

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\  
 Data File : VD060797.D  
 Acq On : 28 Jan 2019 18:04  
 Operator : JC/SY  
 Sample : VSTDICV050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICSV012819

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 4:55:56 PM

Quant Time: Jan 29 14:12:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 29 13:53:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.80  | 168  | 606156   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.98  | 114  | 837415   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.15 | 117  | 693691   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.32 | 152  | 352065   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.21   | 65  | 440861   | 47.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.88%  |      |
| 35) Dibromofluoromethane  | 6.68   | 113 | 398516   | 49.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.24%  |      |
| 50) Toluene-d8            | 10.18  | 98  | 941960   | 50.23 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.46% |      |
| 62) 4-Bromofluorobenzene  | 13.35  | 95  | 447670   | 47.49 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.98%  |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85  | 410596  | 55.713  | ug/l   | 95     |
| 3) Chloromethane              | 1.76 | 50  | 231906  | 52.557  | ug/l   | 91     |
| 4) Vinyl Chloride             | 1.85 | 62  | 247711  | 52.888  | ug/l   | 93     |
| 5) Bromomethane               | 2.13 | 94  | 76629   | 51.792  | ug/l   | 94     |
| 6) Chloroethane               | 2.24 | 64  | 99666   | 56.791  | ug/l # | 87     |
| 7) Trichlorofluoromethane     | 2.49 | 101 | 477857  | 51.830  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.80 | 74  | 73428   | 54.048  | ug/l   | 91     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.06 | 101 | 240731  | 51.521  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.21 | 142 | 259826  | 53.113  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 3.92 | 59  | 120980  | 272.418 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.04 | 96  | 167608  | 52.493  | ug/l   | 97     |
| 13) Acrolein                  | 2.95 | 56  | 41443   | 279.080 | ug/l   | 89     |
| 14) Allyl chloride            | 3.50 | 41  | 383860  | 51.660  | ug/l # | 96     |
| 15) Acrylonitrile             | 4.03 | 53  | 279008  | 280.394 | ug/l   | 96     |
| 16) Acetone                   | 3.13 | 43  | 327317  | 243.866 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.28 | 76  | 541080  | 47.840  | ug/l   | 97     |
| 18) Methyl Acetate            | 3.52 | 43  | 138439  | 52.029  | ug/l   | 94     |
| 19) Methyl tert-butyl Ether   | 4.07 | 73  | 793711  | 54.449  | ug/l   | 96     |
| 20) Methylene Chloride        | 3.68 | 84  | 302649  | 51.411  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 4.05 | 96  | 301280  | 53.525  | ug/l   | 98     |
| 22) Diisopropyl ether         | 4.89 | 45  | 992546  | 51.836  | ug/l   | 90     |
| 23) Vinyl Acetate             | 4.83 | 43  | 2910418 | 263.945 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 4.77 | 63  | 653768  | 52.156  | ug/l   | 99     |
| 25) 2-Butanone                | 5.83 | 43  | 491101  | 285.864 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 5.78 | 77  | 690842  | 52.306  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 5.79 | 96  | 347381  | 54.187  | ug/l   | 87     |
| 28) Bromochloromethane        | 6.20 | 49  | 248886  | 50.898  | ug/l   | 93     |
| 29) Tetrahydrofuran           | 6.23 | 42  | 210924  | 255.666 | ug/l   | 98     |
| 30) Chloroform                | 6.42 | 83  | 759649  | 51.274  | ug/l   | 97     |
| 31) Cyclohexane               | 6.72 | 56  | 447520  | 52.473  | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 6.63 | 97  | 743469  | 52.110  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 6.91 | 75  | 517926  | 51.800  | ug/l   | 98     |
| 37) Ethyl Acetate             | 5.93 | 43  | 215746  | 48.338  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 6.87 | 117 | 659816  | 52.626  | ug/l   | 99     |

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 Sample : VSTDICV050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 ICVVD012819

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 4:55:56 PM

Quant Time: Jan 29 14:12:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 29 13:53:55 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.63  | 83   | 405717   | 48.454   | ug/l   | 92       |
| 40) Benzene                    | 7.21  | 78   | 1018324  | 51.603   | ug/l   | 96       |
| 41) Methacrylonitrile          | 6.20  | 41   | 127914m  | 45.127   | ug/l   |          |
| 42) 1,2-Dichloroethane         | 7.34  | 62   | 617015   | 53.822   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.00  | 43   | 324218   | 55.695   | ug/l # | 99       |
| 44) Trichloroethene            | 8.30  | 130  | 367234   | 54.895   | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 8.71  | 63   | 272472   | 51.006   | ug/l   | 97       |
| 46) Dibromomethane             | 8.83  | 93   | 220116   | 53.079   | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.14  | 83   | 575078   | 51.377   | ug/l   | 98       |
| 48) Methyl methacrylate        | 8.88  | 41   | 207106   | 51.592   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 8.86  | 88   | 36057    | 1035.088 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.08 | 43   | 1003082  | 266.082  | ug/l   | 100      |
| 52) Toluene                    | 10.28 | 92   | 637964   | 50.965   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.69 | 75   | 535084   | 54.346   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 549887   | 54.463   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.97 | 97   | 225925   | 52.937   | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.82 | 69   | 281090   | 54.370   | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 11.19 | 76   | 359860   | 49.337   | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.63  | 63   | 689022   | 254.002  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.32 | 43   | 752398   | 265.440  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.47 | 129  | 394331   | 51.395   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.59 | 107  | 260866   | 51.902   | ug/l   | 100      |
| 64) Tetrachloroethene          | 11.04 | 164  | 293951   | 46.172   | ug/l   | 97       |
| 65) Chlorobenzene              | 12.19 | 112  | 777934   | 49.074   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.30 | 131  | 340505   | 49.996   | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.31 | 91   | 1389953  | 48.761   | ug/l   | 98       |
| 68) m/p-Xylenes                | 12.46 | 106  | 880102   | 94.899   | ug/l   | 97       |
| 69) o-Xylene                   | 12.84 | 106  | 411753   | 44.858   | ug/l   | 91       |
| 70) Styrene                    | 12.87 | 104  | 661403   | 42.969   | ug/l   | 95       |
| 71) Bromoform                  | 13.03 | 173  | 263463   | 51.343   | ug/l # | 96       |
| 73) Isopropylbenzene           | 13.20 | 105  | 1234495  | 43.979   | ug/l   | 100      |
| 74) N-amyl acetate             | 13.06 | 43   | 437607   | 50.710   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.50 | 83   | 244491   | 47.835   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.53 | 75   | 307897   | 47.691   | ug/l   | 99       |
| 77) Bromobenzene               | 13.47 | 156  | 350050   | 48.512   | ug/l   | 87       |
| 78) n-propylbenzene            | 13.57 | 91   | 1597664  | 45.339   | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 13.64 | 91   | 1040946  | 48.432   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 14.03 | 105  | 1103885  | 45.680   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 13.28 | 75   | 80962    | 48.102   | ug/l   | 87       |
| 82) 4-Chlorotoluene            | 13.75 | 91   | 1173558  | 49.128   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.99 | 119  | 1222771  | 48.364   | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene     | 14.03 | 105  | 1103885  | 45.680   | ug/l   | 97       |
| 85) sec-Butylbenzene           | 14.17 | 105  | 1416637  | 49.224   | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 14.29 | 119  | 1134870  | 48.570   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.26 | 146  | 636177   | 49.292   | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 14.34 | 146  | 599215   | 47.784   | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.60 | 91   | 1069053  | 43.852   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.81 | 117  | 345636   | 49.709   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene        | 14.61 | 146  | 482378   | 45.029   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.19 | 75   | 61655    | 50.775   | ug/l   | 88       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012819\  
Data File : VD060797.D  
Acq On : 28 Jan 2019 18:04  
Operator : JC/SY  
Sample : VSTDICV050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Manual Integrations  
APPROVED

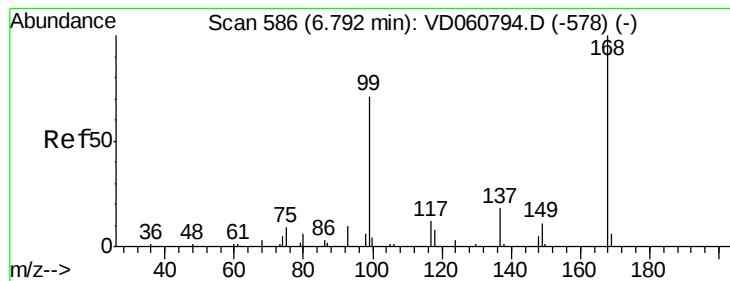
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1/29/2019 4:55:56 PM

Quant Time: Jan 29 14:12:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D012819S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 29 13:53:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.75 | 180  | 463810   | 50.002 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.84 | 225  | 330302   | 47.459 | ug/l  | 97       |
| 95) Naphthalene            | 15.92 | 128  | 725820   | 50.928 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 16.07 | 180  | 380958   | 47.231 | ug/l  | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.80 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion:168 Resp: 606156

Ion Ratio Lower Upper

168 100

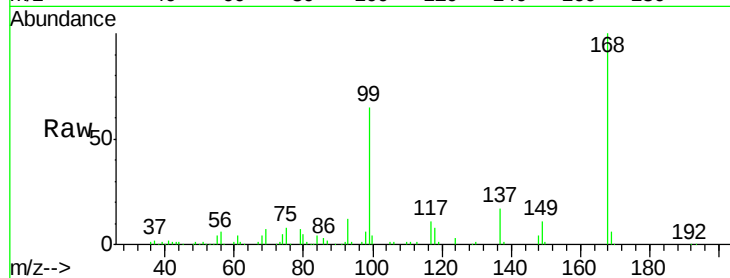
99 65.4 59.2 88.8

Manual Integrations

APPROVED

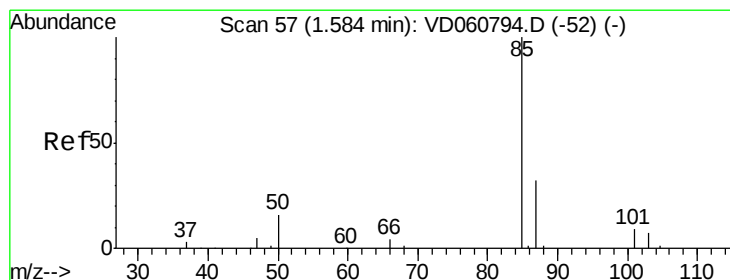
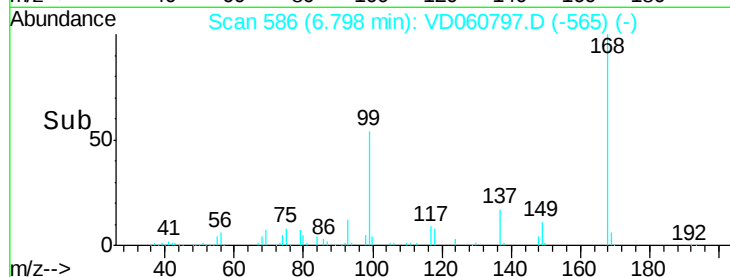
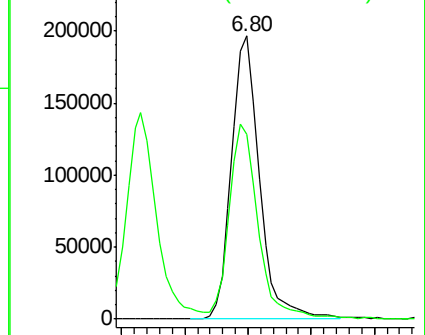
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 55.713 ug/l

RT: 1.58 min Scan# 56

Delta R.T. -0.00 min

Lab File: VD060797.D

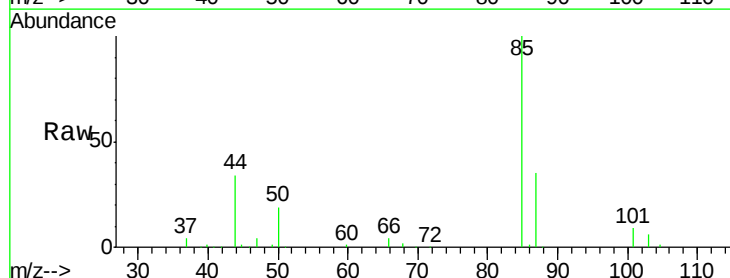
Acq: 28 Jan 2019 18:04

Tgt Ion: 85 Resp: 410596

Ion Ratio Lower Upper

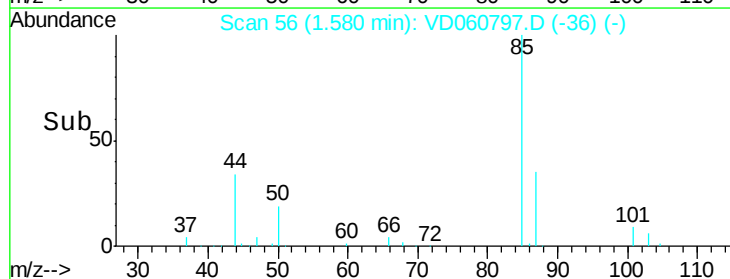
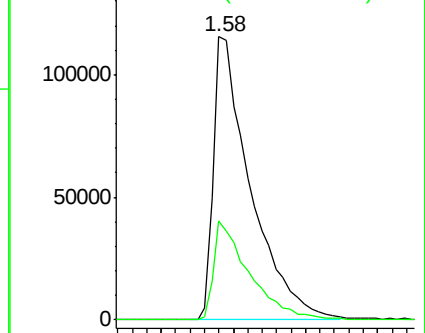
85 100

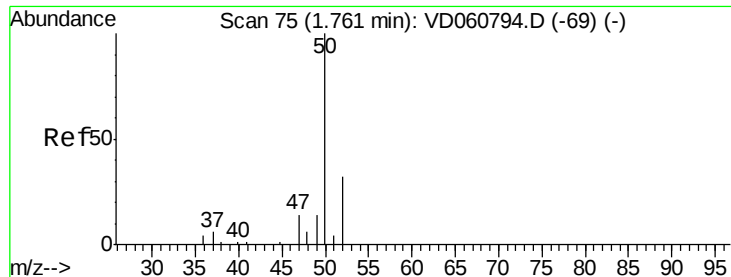
87 35.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.557 ug/l

RT: 1.76 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 50 Resp: 231906

Ion Ratio Lower Upper

50 100

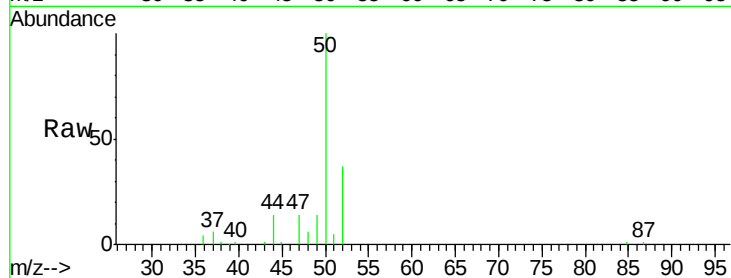
52 36.7 25.2 37.8

Manual Integrations

APPROVED

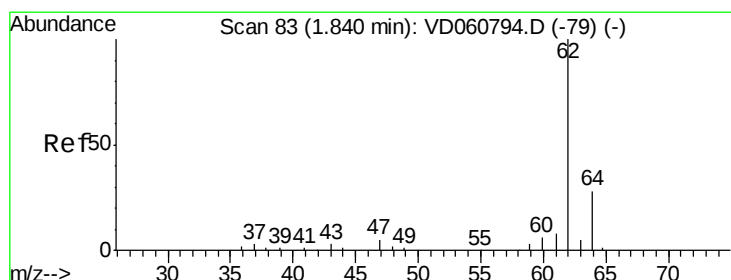
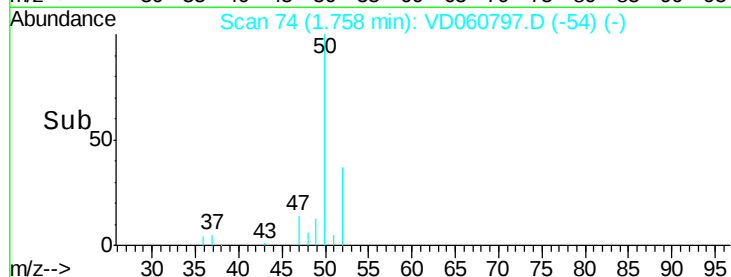
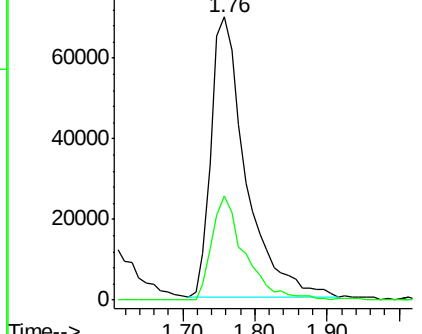
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.888 ug/l

RT: 1.85 min Scan# 83

Delta R.T. 0.01 min

Lab File: VD060797.D

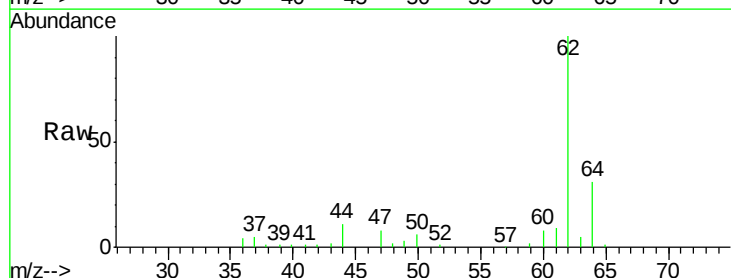
Acq: 28 Jan 2019 18:04

Tgt Ion: 62 Resp: 247711

Ion Ratio Lower Upper

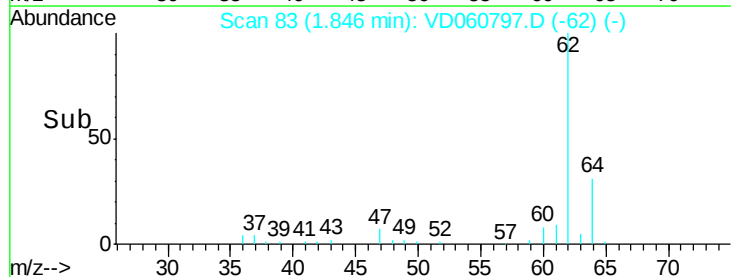
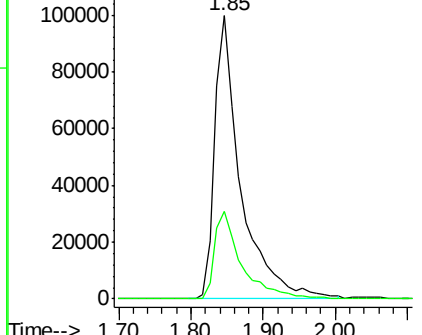
62 100

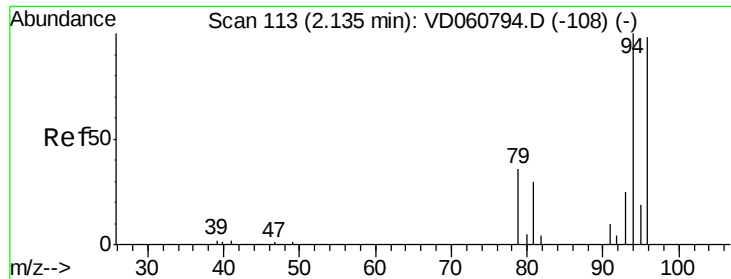
64 31.1 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 51.792 ug/l

RT: 2.13 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 94 Resp: 76629

Ion Ratio Lower Upper

94 100

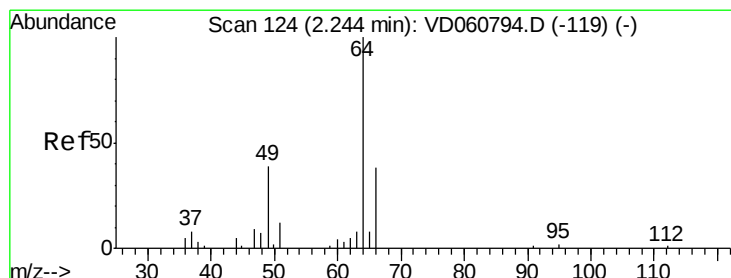
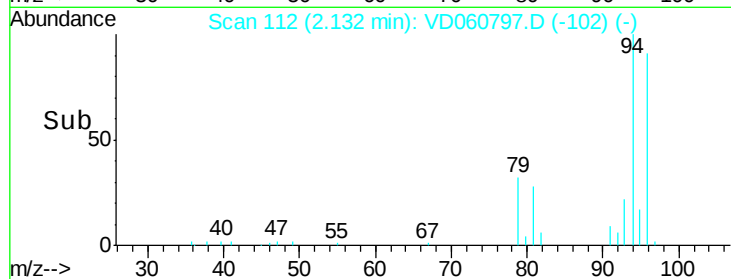
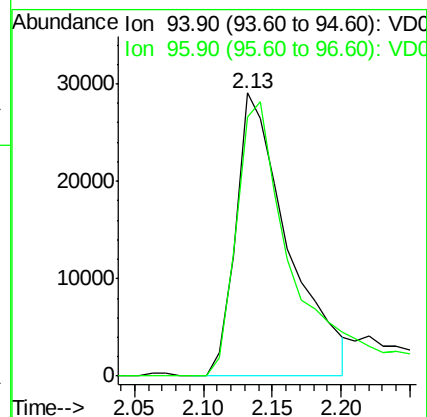
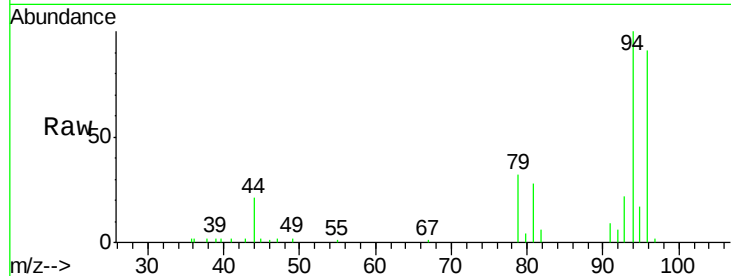
96 91.4 78.0 117.0

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 56.791 ug/l

RT: 2.24 min Scan# 123

Delta R.T. -0.00 min

Lab File: VD060797.D

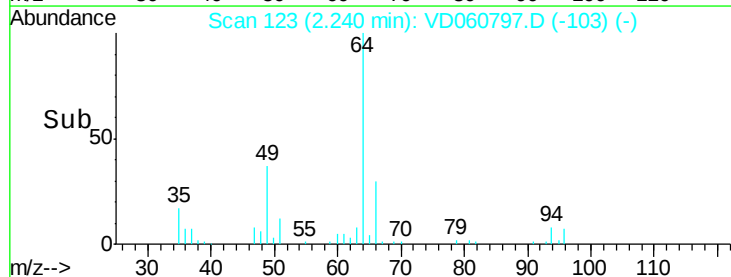
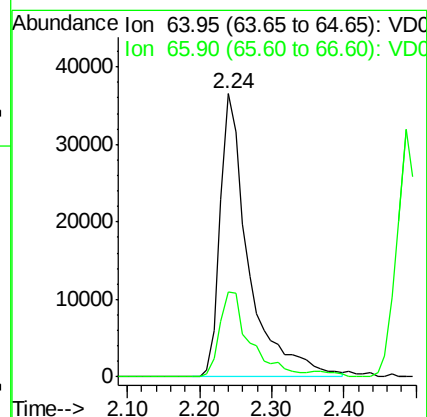
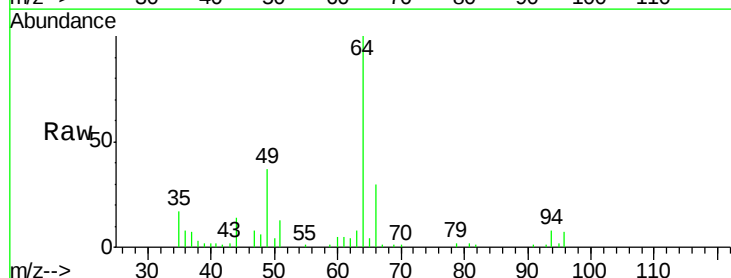
Acq: 28 Jan 2019 18:04

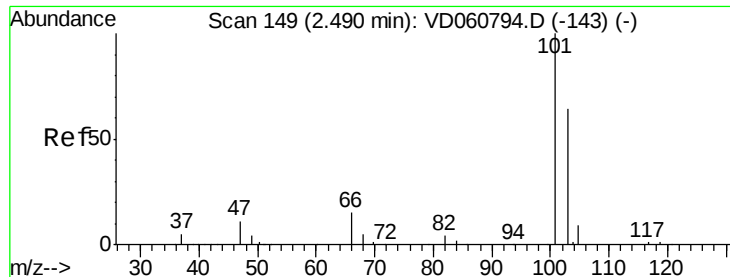
Tgt Ion: 64 Resp: 99666

Ion Ratio Lower Upper

64 100

66 29.9 30.2 45.4#





#7

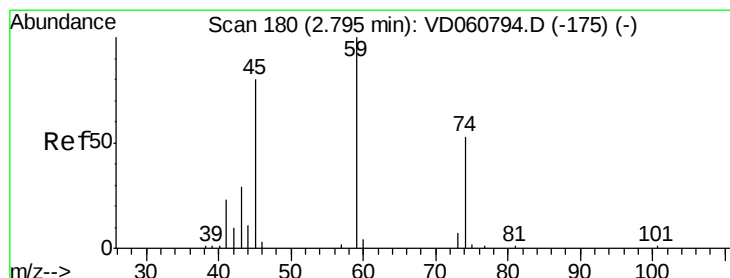
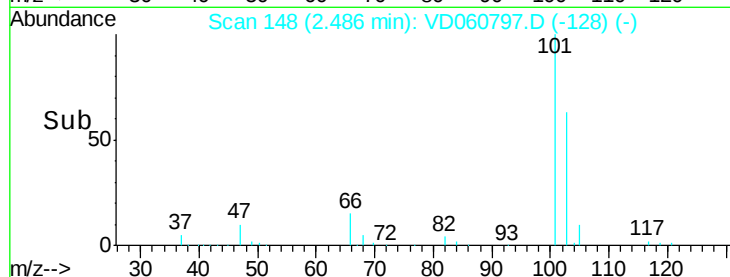
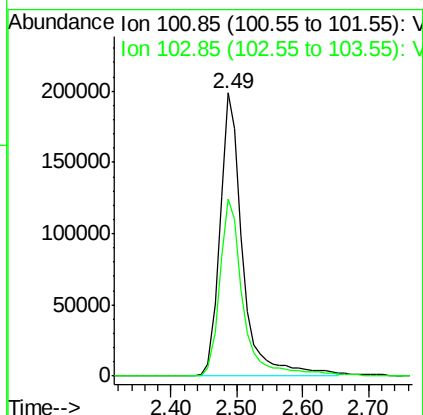
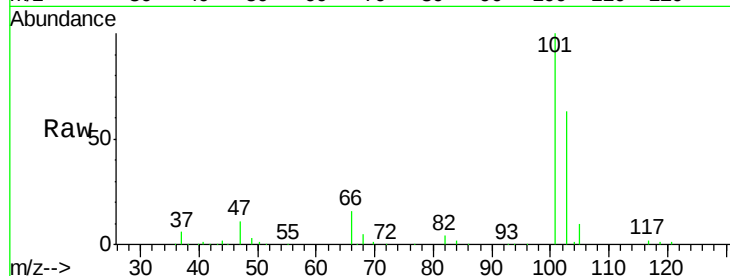
Trichlorofluoromethane  
Concen: 51.830 ug/l  
RT: 2.49 min Scan# 148  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion:101 Resp: 477857  
Ion Ratio Lower Upper  
101 100  
103 62.7 51.3 76.9

Manual Integrations  
APPROVED

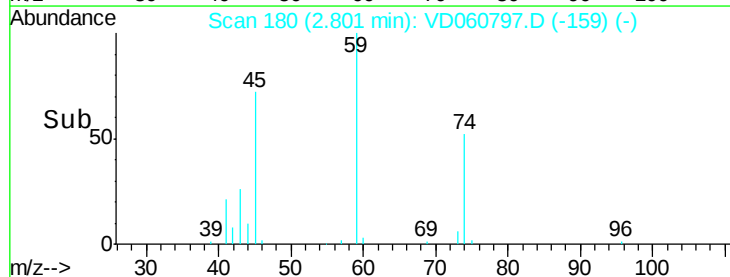
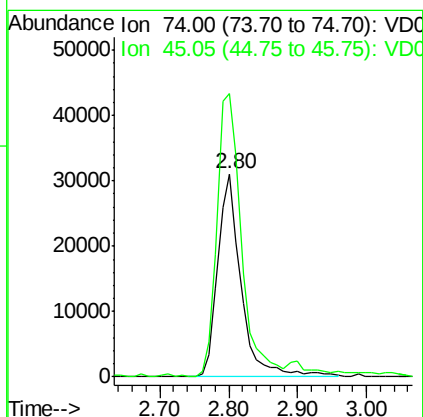
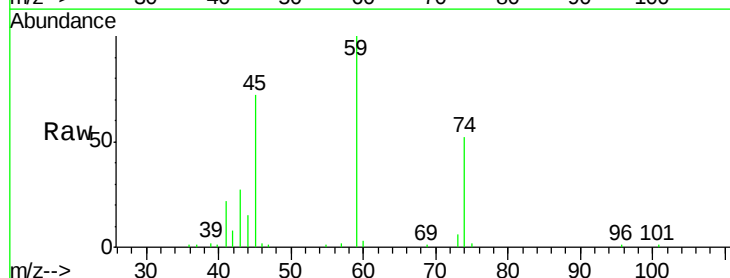
MMDadoda  
1/29/2019 4:55:56 PM

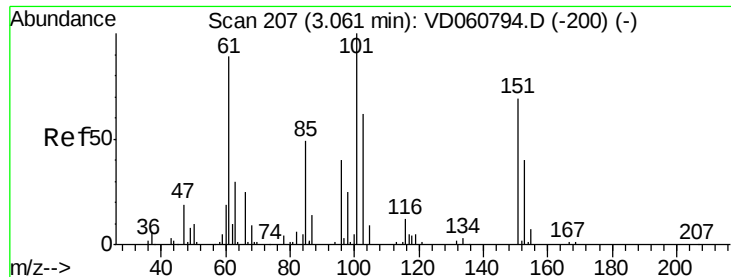


#8

Diethyl Ether  
Concen: 54.048 ug/l  
RT: 2.80 min Scan# 180  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 74 Resp: 73428  
Ion Ratio Lower Upper  
74 100  
45 139.6 75.6 226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.521 ug/l

RT: 3.06 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

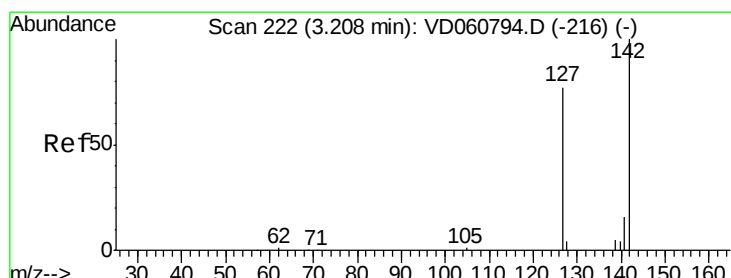
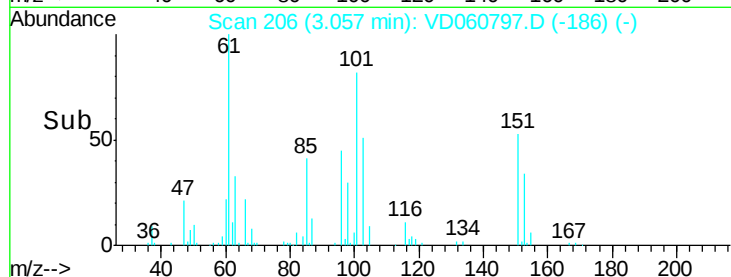
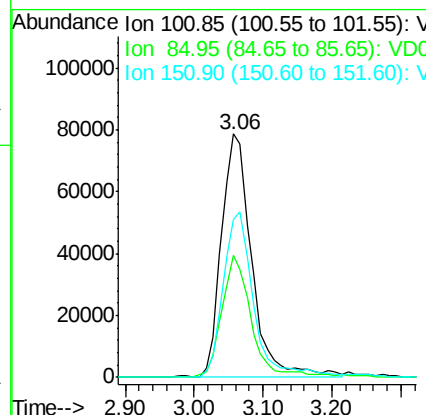
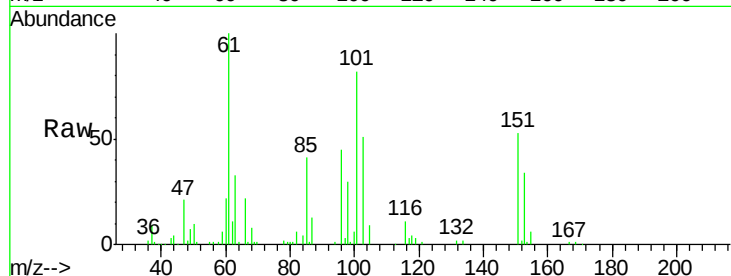
ClientSampled :

ICVVD012819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 240731 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 49.9  | 39.3  | 58.9   |
| 151       | 65.1  | 55.1  | 82.7   |

Manual Integrations  
APPROVED

MMDadoda  
1/29/2019 4:55:56 PM



#10

Methyl Iodide

Concen: 53.113 ug/l

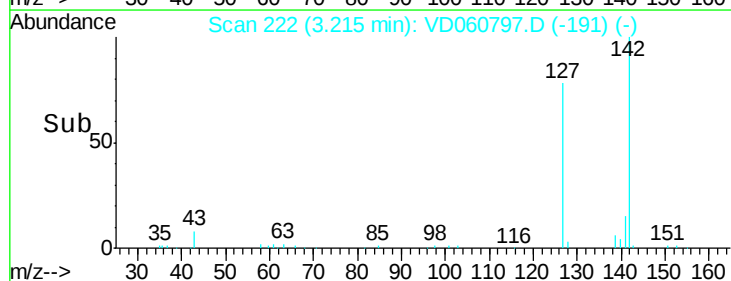
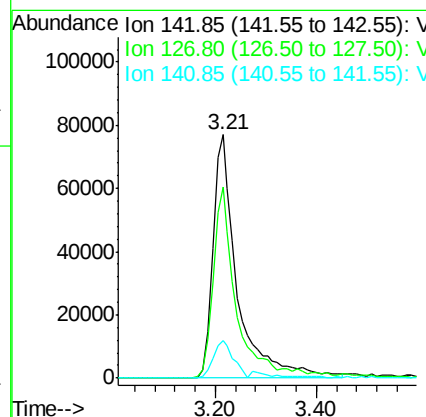
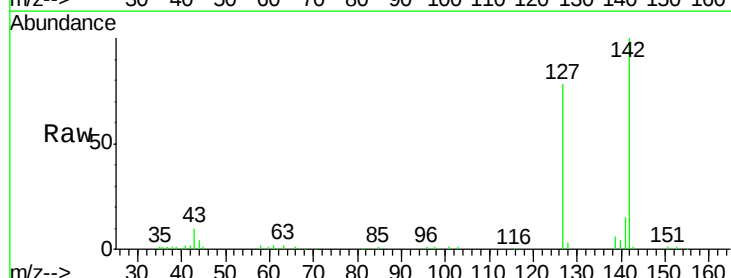
RT: 3.21 min Scan# 222

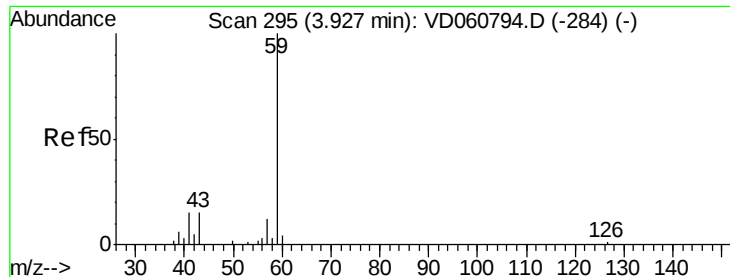
Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 259826 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 78.5  | 61.6  | 92.4   |
| 141       | 15.3  | 12.5  | 18.7   |





#11

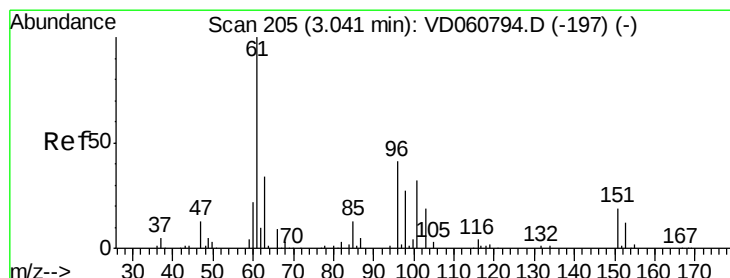
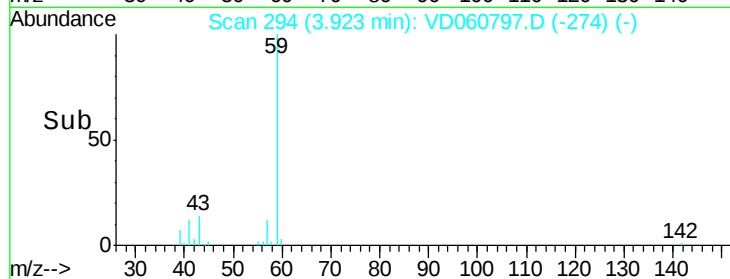
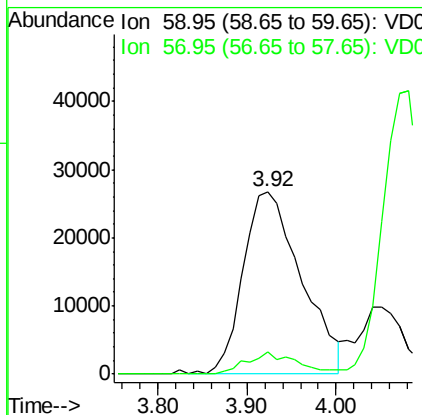
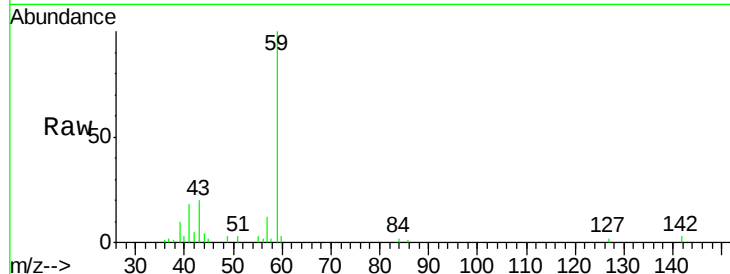
Tert butyl alcohol  
Concen: 272.418 ug/l  
RT: 3.92 min Scan# 294  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion   | 59   | Resp  | 120980 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 57        | 12.4 | 9.8   | 14.6   |

Manual Integrations  
APPROVED

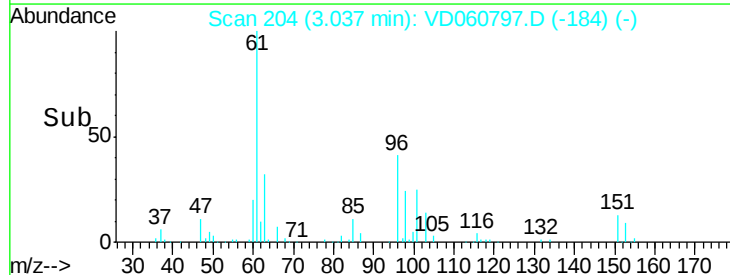
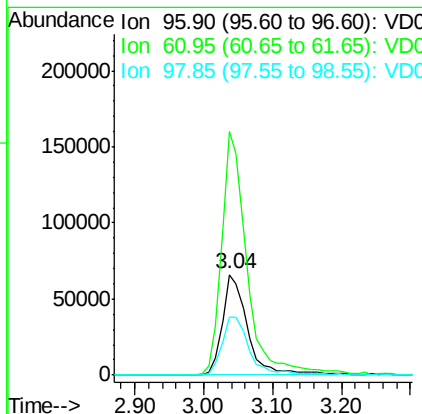
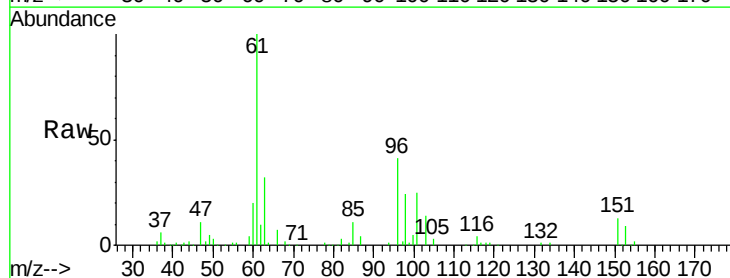
MMDadoda  
1/29/2019 4:55:56 PM

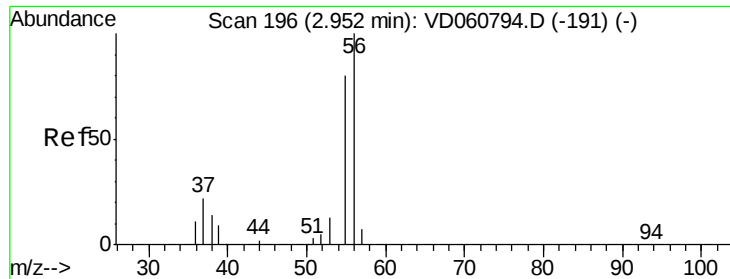


#12

1,1-Dichloroethene  
Concen: 52.493 ug/l  
RT: 3.04 min Scan# 204  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion   | 96    | Resp  | 167608 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 242.4 | 195.1 | 292.7  |
| 98        | 58.0  | 52.5  | 78.7   |





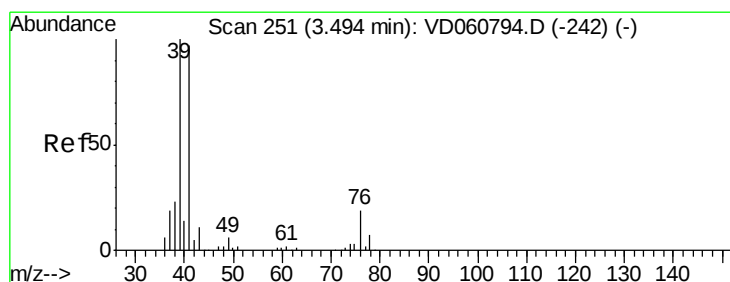
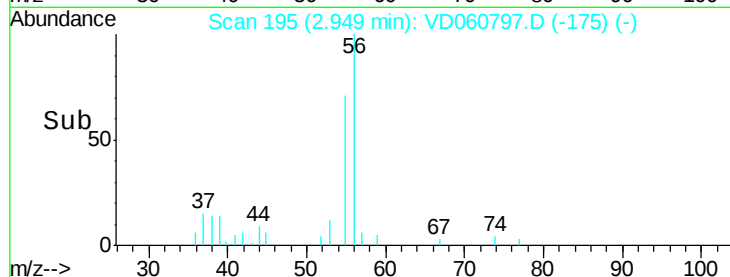
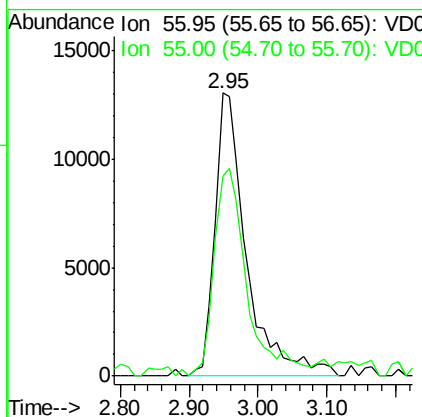
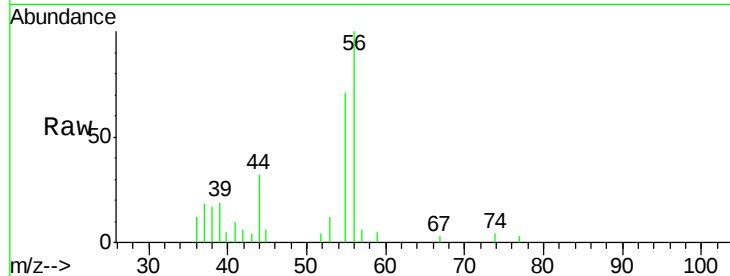
#13  
Acrolein  
Concen: 279.080 ug/l  
RT: 2.95 min Scan# 195  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 56 Resp: 41443  
Ion Ratio Lower Upper  
56 100  
55 70.8 64.2 96.2

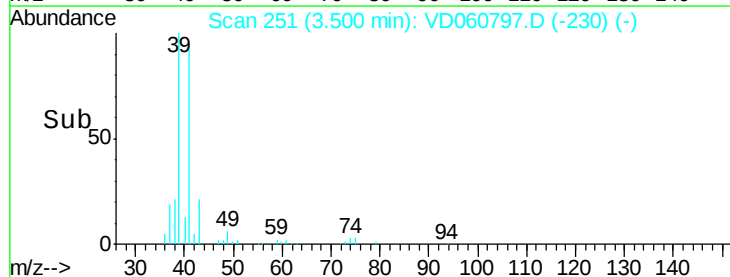
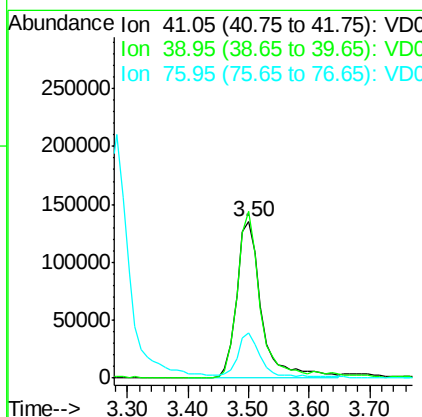
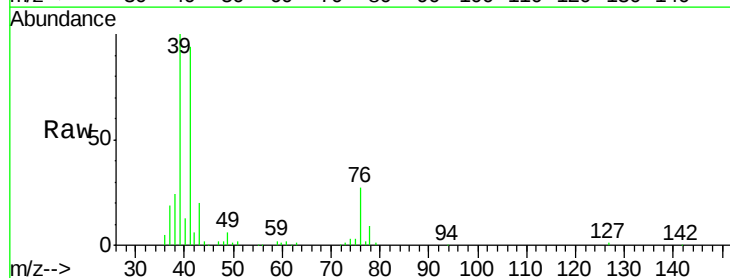
Manual Integrations  
APPROVED

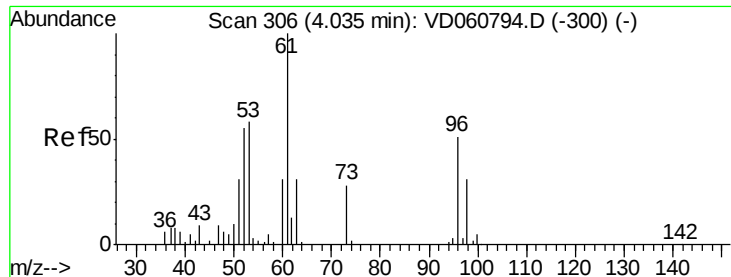
MMDadoda  
1/29/2019 4:55:56 PM



#14  
Allyl chloride  
Concen: 51.660 ug/l  
RT: 3.50 min Scan# 251  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 41 Resp: 383860  
Ion Ratio Lower Upper  
41 100  
39 106.3 82.6 123.8  
76 28.8 18.9 28.3#





#15

Acrylonitrile

Concen: 280.394 ug/l

RT: 4.03 min Scan# 305

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

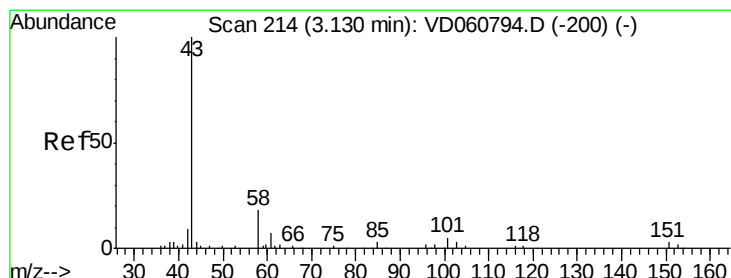
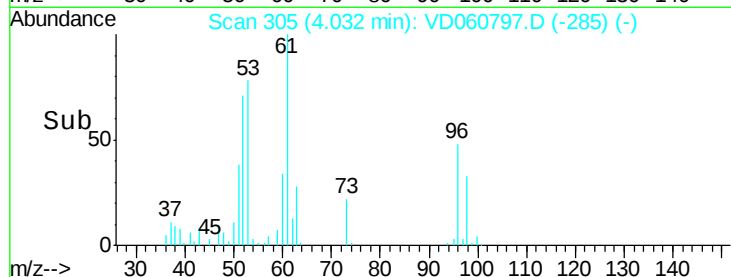
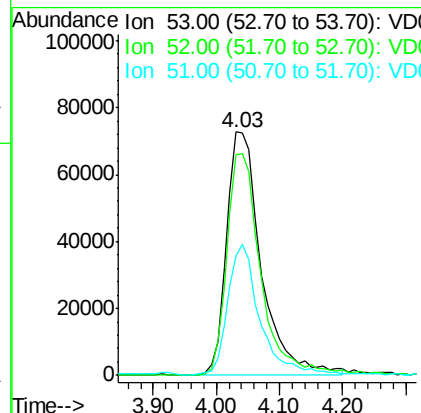
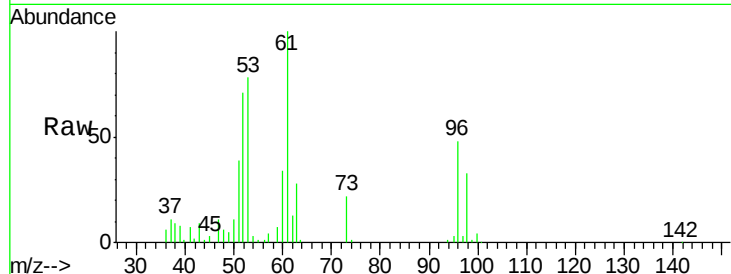
ClientSampleId :

ICVVD012819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 279008 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 90.4  | 75.4  | 113.2  |
| 51       | 49.3  | 42.5  | 63.7   |

Manual Integrations  
APPROVED

MMDadoda  
1/29/2019 4:55:56 PM



#16

Acetone

Concen: 243.866 ug/l

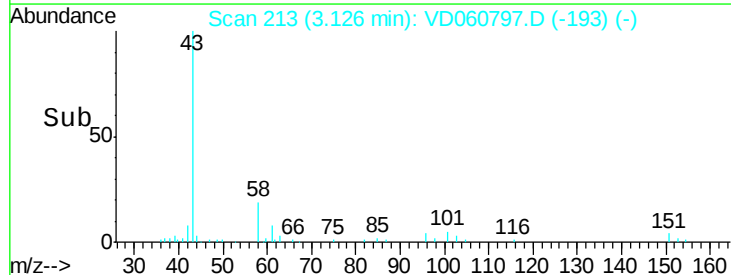
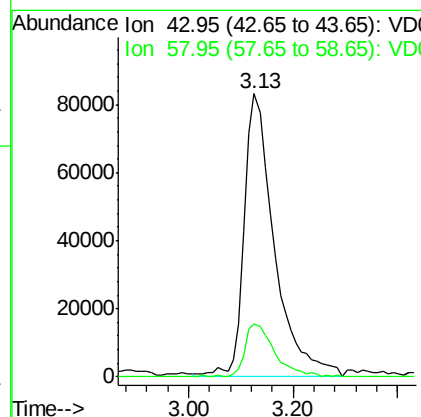
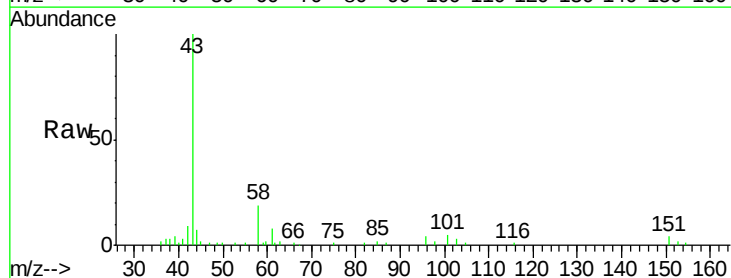
RT: 3.13 min Scan# 213

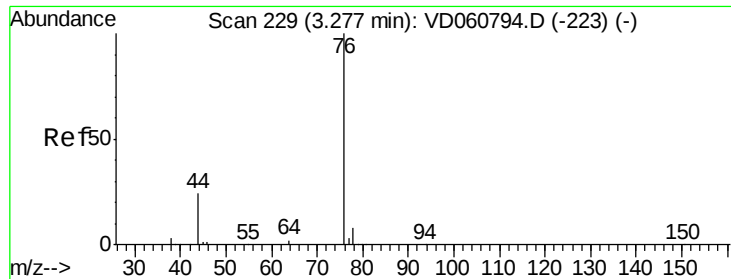
Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 327317 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 18.7  | 14.5  | 21.7   |





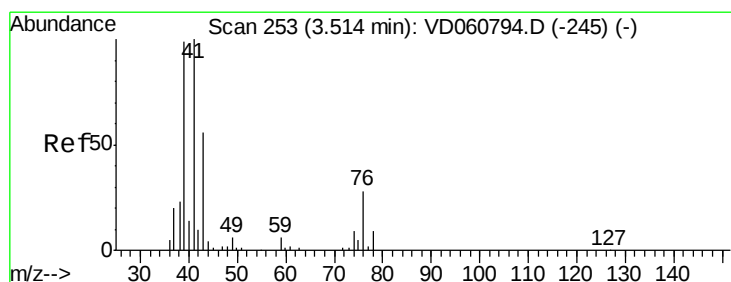
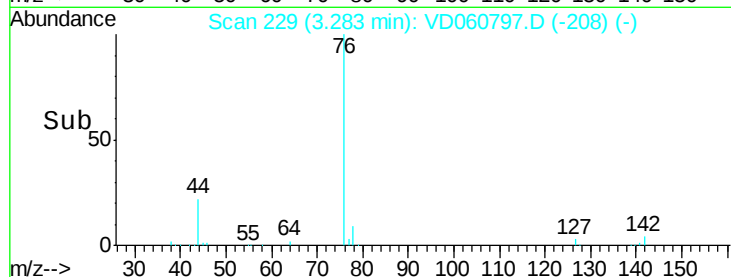
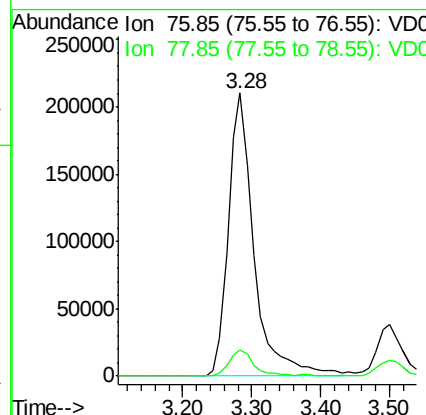
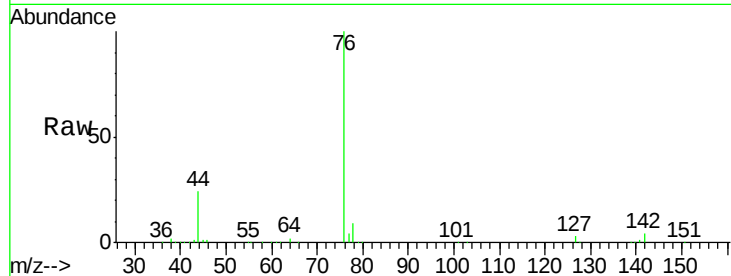
#17  
Carbon Disulfide  
Concen: 47.840 ug/l  
RT: 3.28 min Scan# 229  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 6.5   | 9.7   |

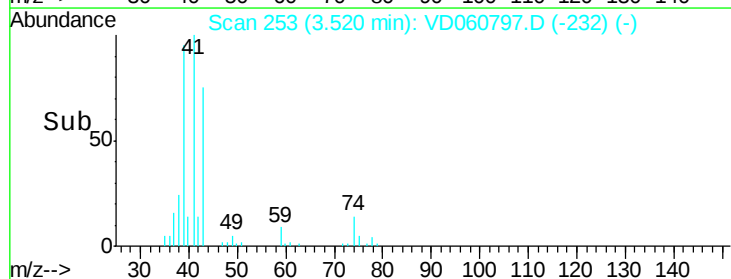
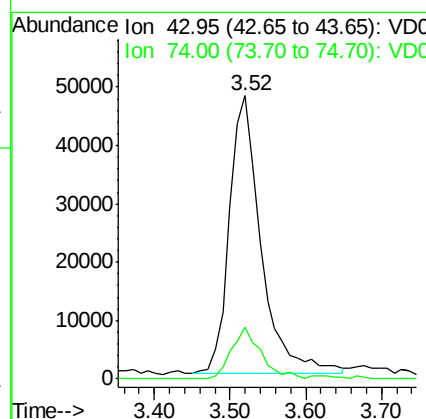
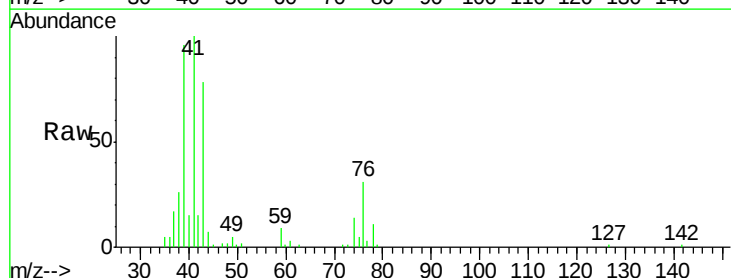
Manual Integrations  
APPROVED

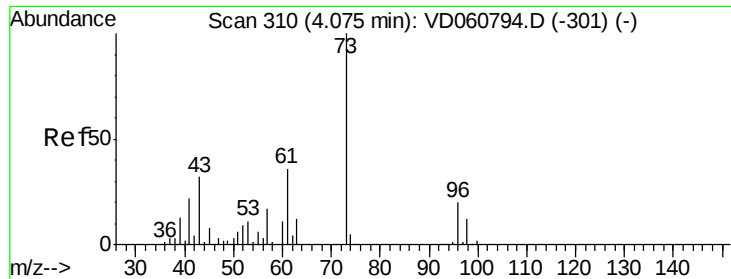
MMDadoda  
1/29/2019 4:55:56 PM



#18  
Methyl Acetate  
Concen: 52.029 ug/l  
RT: 3.52 min Scan# 253  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 18.3  | 12.5  | 18.7  |





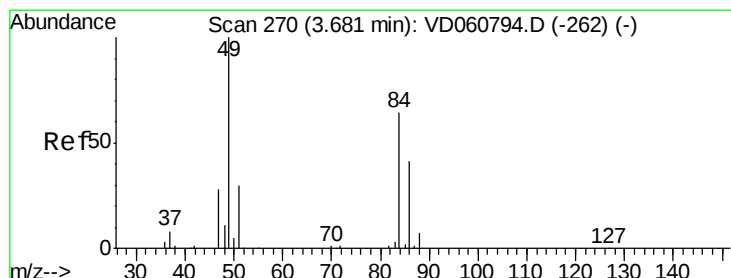
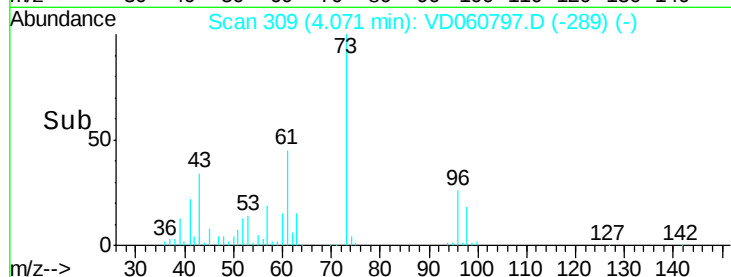
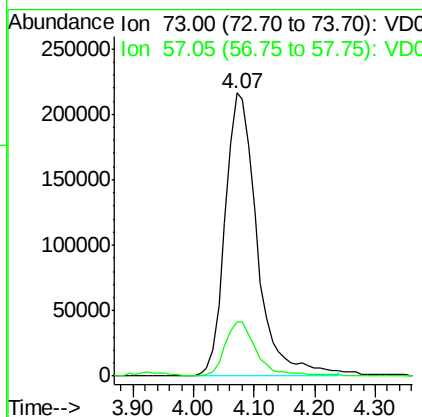
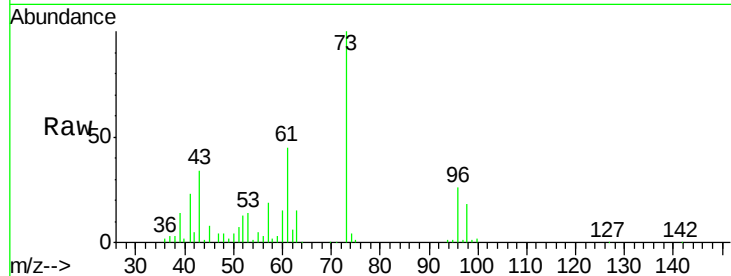
#19  
Methyl tert-butyl Ether  
Concen: 54.449 ug/l  
RT: 4.07 min Scan# 309  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 73 Resp: 793711  
Ion Ratio Lower Upper  
73 100  
57 19.1 14.0 21.0

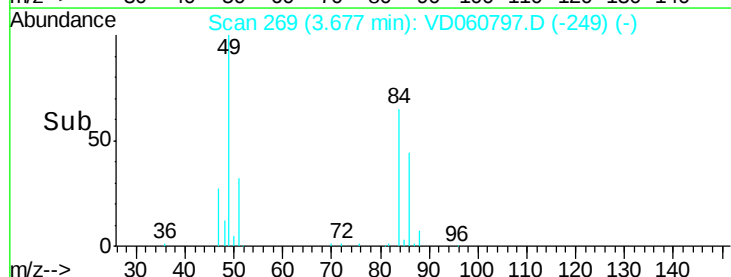
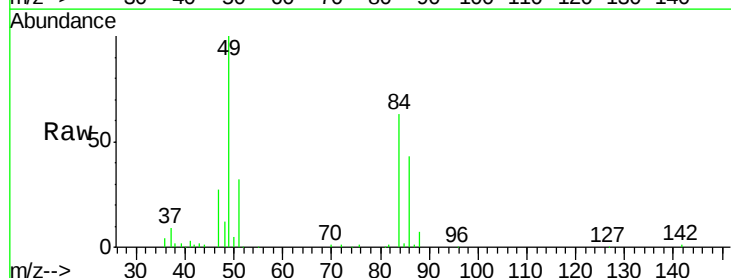
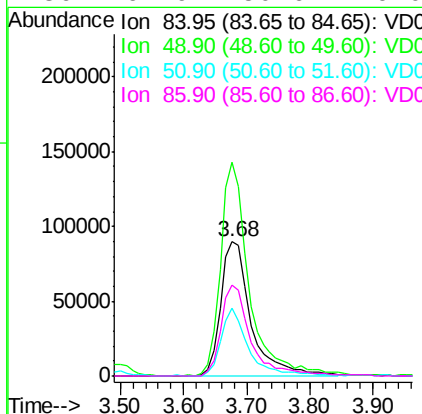
Manual Integrations  
APPROVED

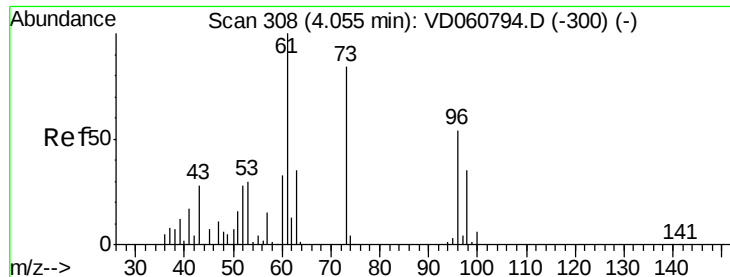
MMDadoda  
1/29/2019 4:55:56 PM



#20  
Methylene Chloride  
Concen: 51.411 ug/l  
RT: 3.68 min Scan# 269  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 84 Resp: 302649  
Ion Ratio Lower Upper  
84 100  
49 159.6 124.2 186.2  
51 51.1 38.1 57.1  
86 67.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 53.525 ug/l

RT: 4.05 min Scan# 307

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 96 Resp: 301280

Ion Ratio Lower Upper

96 100

61 181.3 147.4 221.2

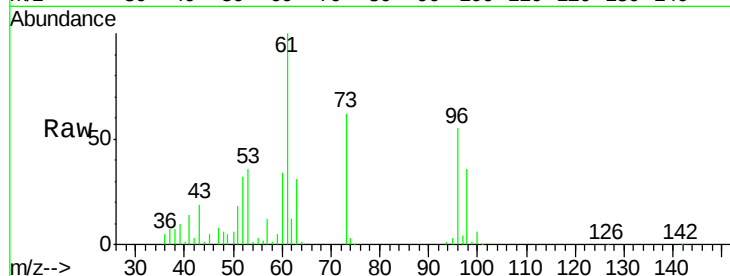
98 64.7 51.5 77.3

Manual Integrations

APPROVED

MMDadoda

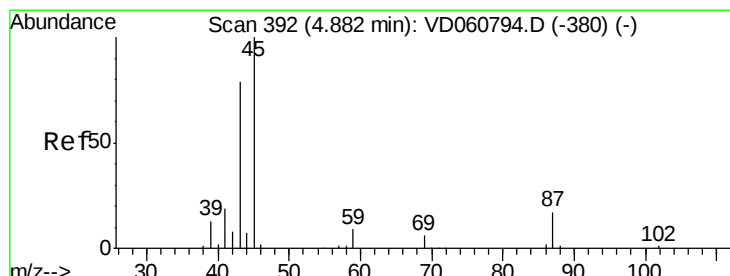
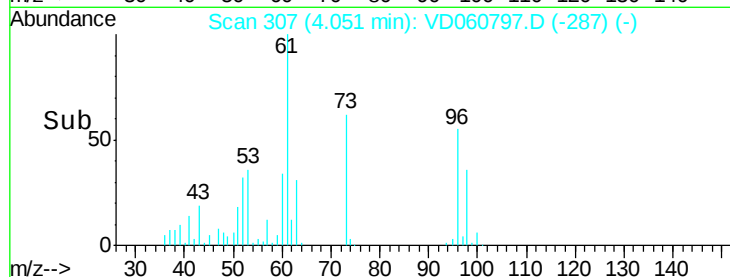
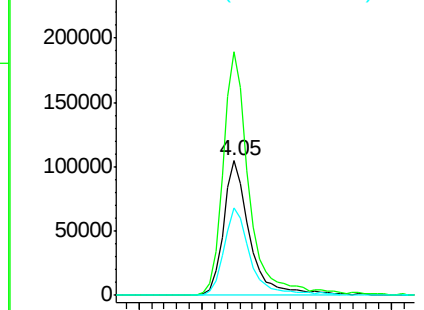
1/29/2019 4:55:56 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.836 ug/l

RT: 4.89 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Tgt Ion: 45 Resp: 992546

Ion Ratio Lower Upper

45 100

43 69.1 64.3 96.5

87 19.0 14.3 21.5

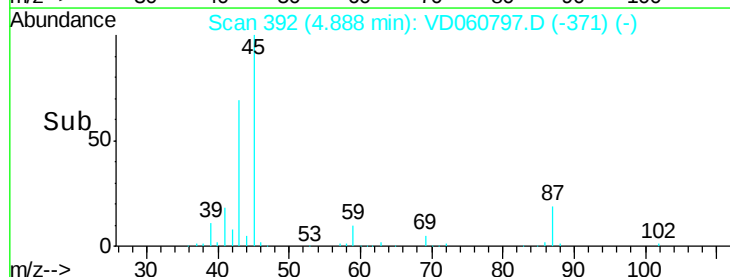
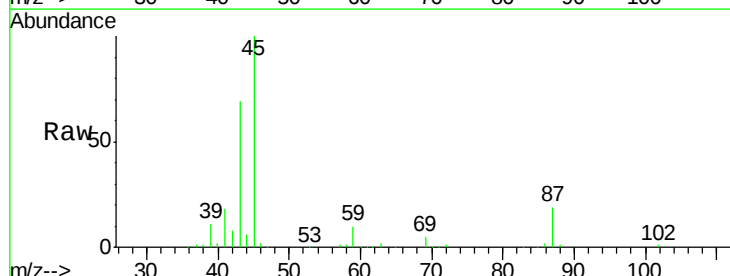
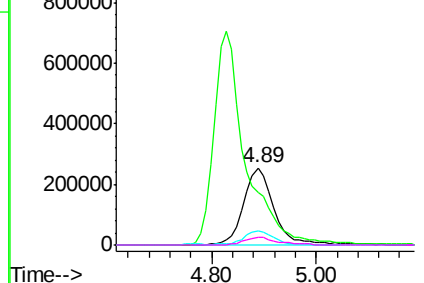
59 9.7 7.8 11.8

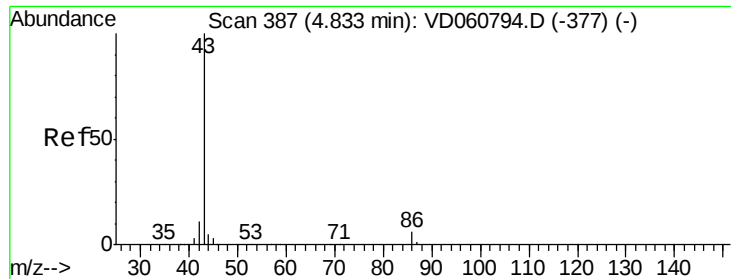
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 263.945 ug/l

RT: 4.83 min Scan# 386

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 43 Resp: 2910418

Ion Ratio Lower Upper

43 100

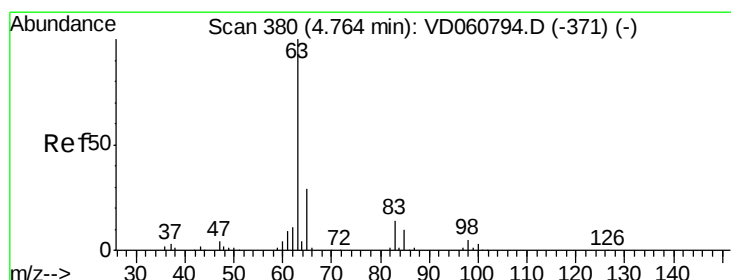
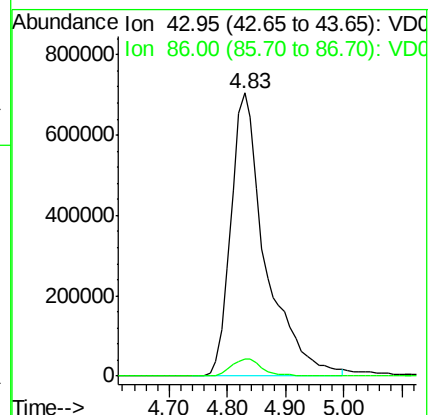
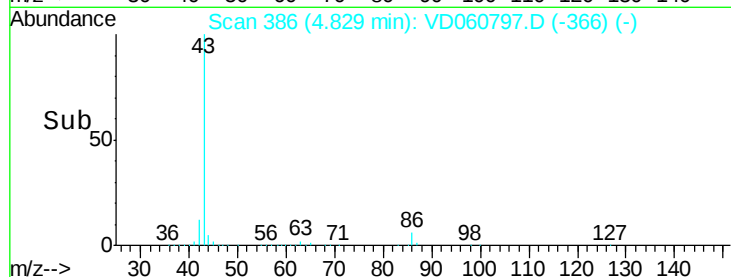
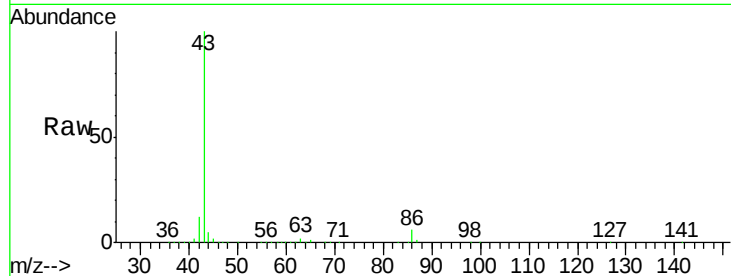
86 5.9 4.7 7.1

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.156 ug/l

RT: 4.77 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

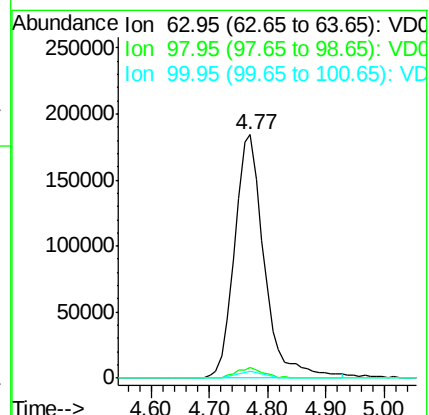
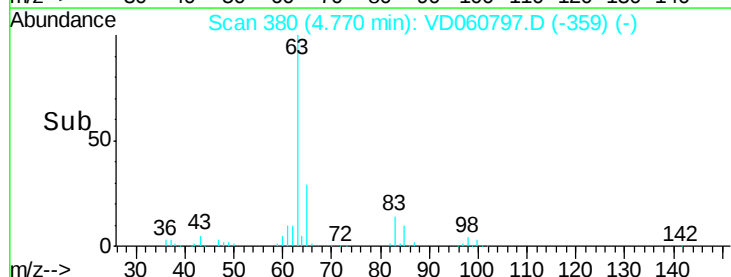
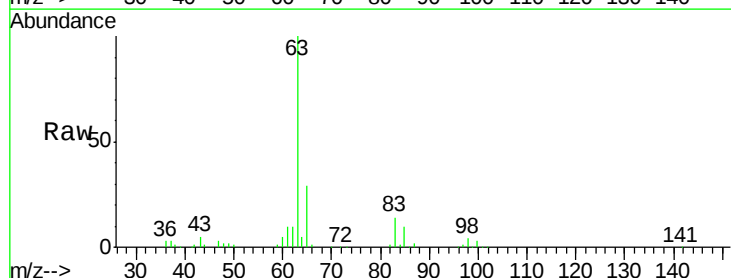
Tgt Ion: 63 Resp: 653768

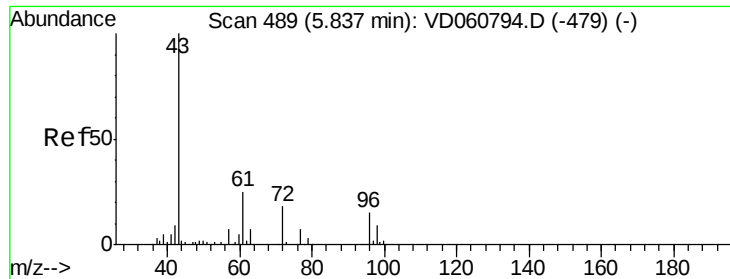
Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

100 2.9 1.3 3.8





#25

2-Butanone

Concen: 285.864 ug/l

RT: 5.83 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 43 Resp: 491101

Ion Ratio Lower Upper

43 100

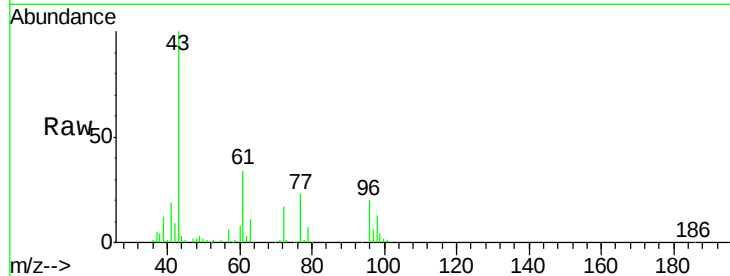
72 16.8 14.4 21.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

100000

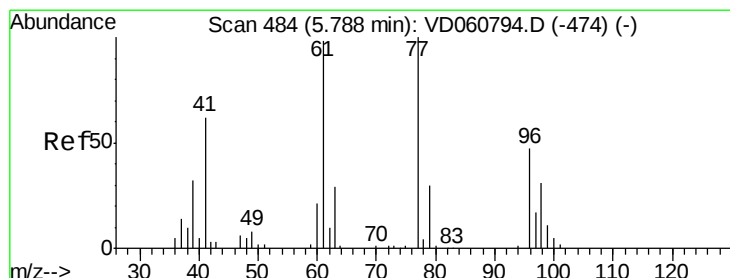
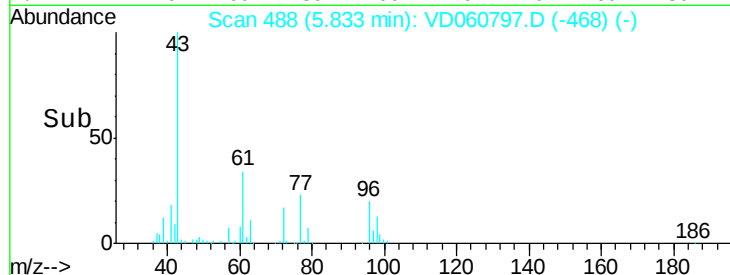
50000

0

5.70 5.80 5.90

5.83

Time-->



#26

2,2-Dichloropropane

Concen: 52.306 ug/l

RT: 5.78 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD060797.D

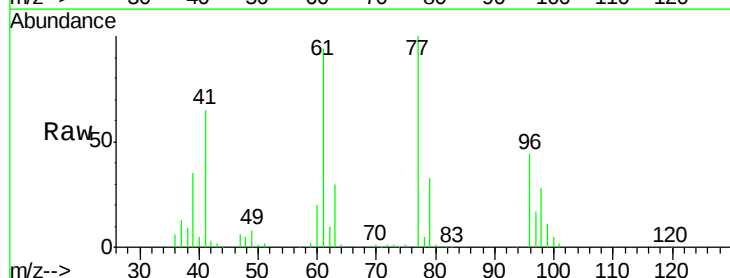
Acq: 28 Jan 2019 18:04

Tgt Ion: 77 Resp: 690842

Ion Ratio Lower Upper

77 100

97 17.2 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

200000

150000

100000

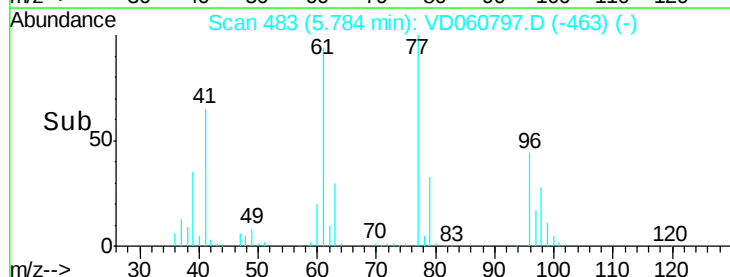
50000

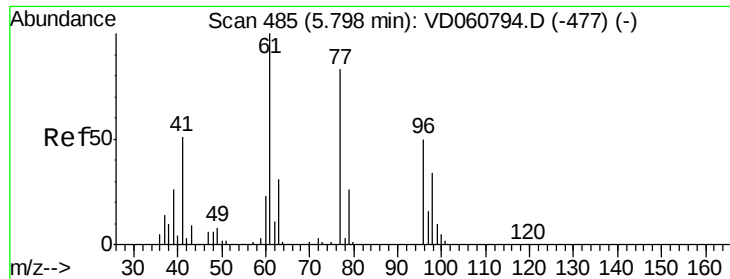
0

5.60 5.70 5.80 5.90 6.00

5.78

Time-->





#27

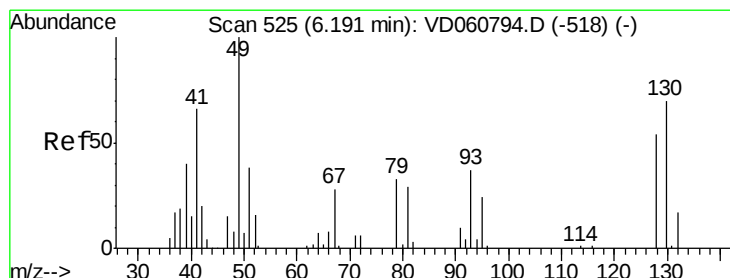
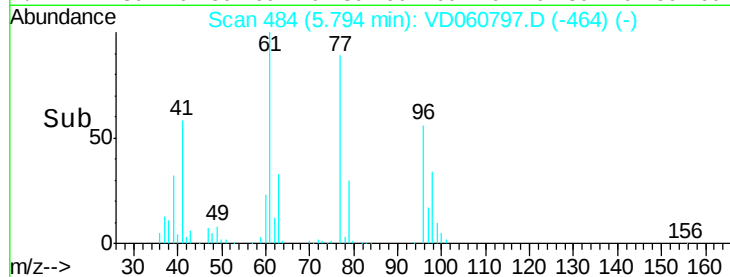
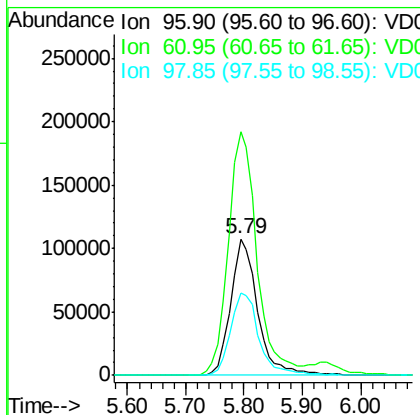
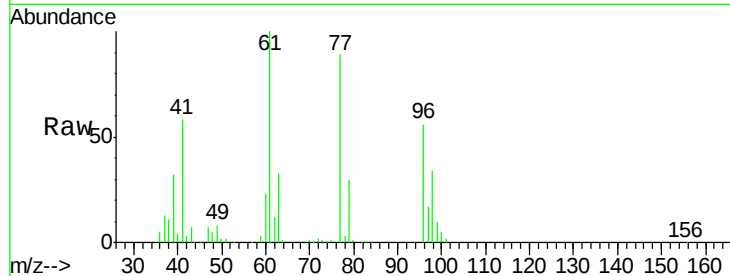
cis-1,2-Dichloroethene  
Concen: 54.187 ug/l  
RT: 5.79 min Scan# 484  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 347381 |       |       |
| 61      | 178.9 | 0.0    | 400.0 |       |
| 98      | 60.2  | 0.0    | 136.4 |       |

Manual Integrations  
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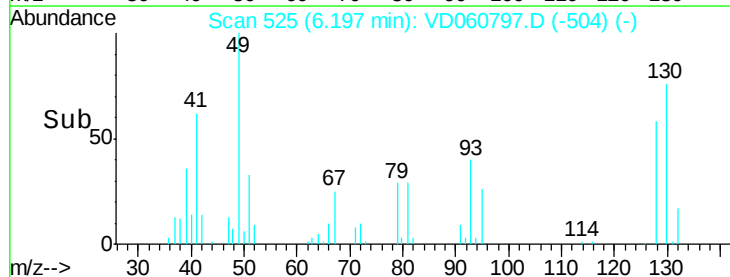
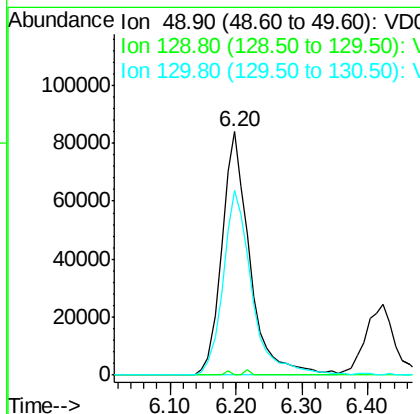
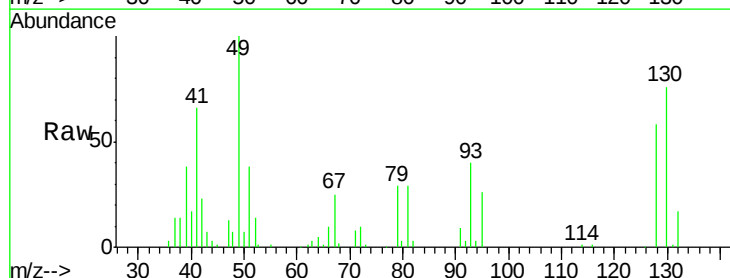
MMDadoda  
1/29/2019 4:55:56 PM

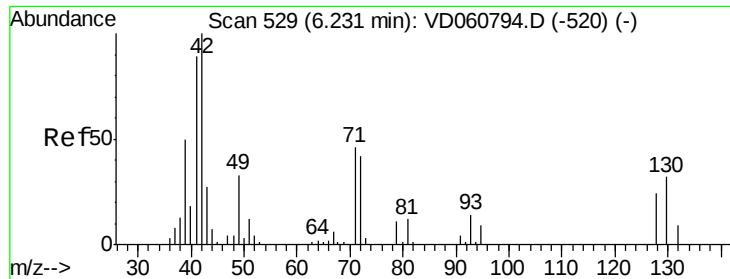


#28

Bromochloromethane  
Concen: 50.898 ug/l  
RT: 6.20 min Scan# 525  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 248886 |       |       |
| 129     | 0.0   | 0.0    | 0.0   |       |
| 130     | 75.9  | 56.1   | 84.1  |       |





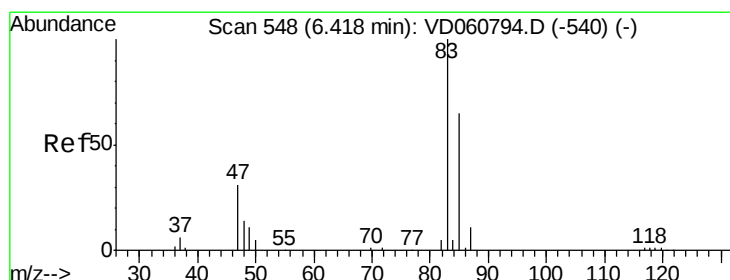
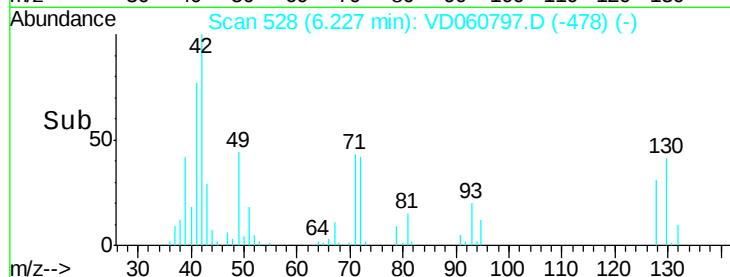
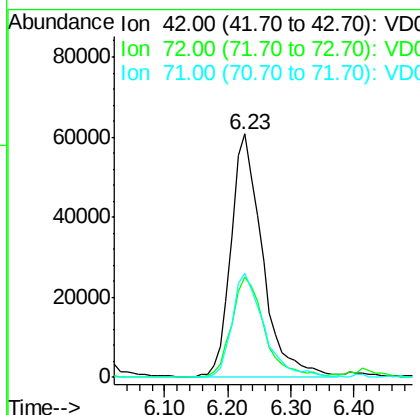
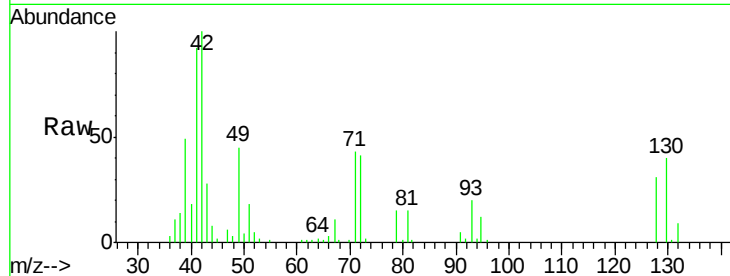
#29  
Tetrahydrofuran  
Concen: 255.666 ug/l  
RT: 6.23 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 42.7  | 32.8  | 49.2  |
| 71      | 43.1  | 34.6  | 52.0  |

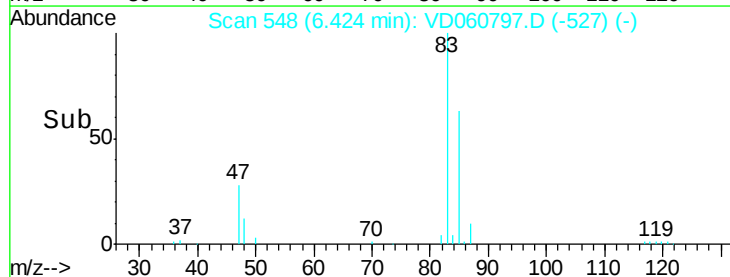
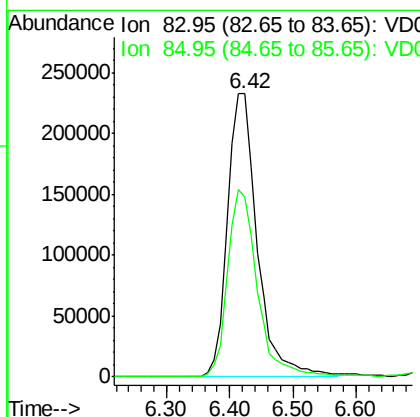
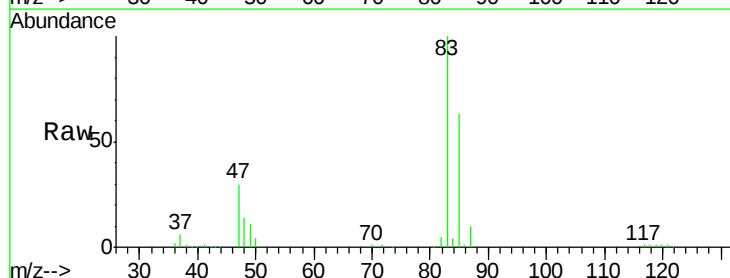
Manual Integrations  
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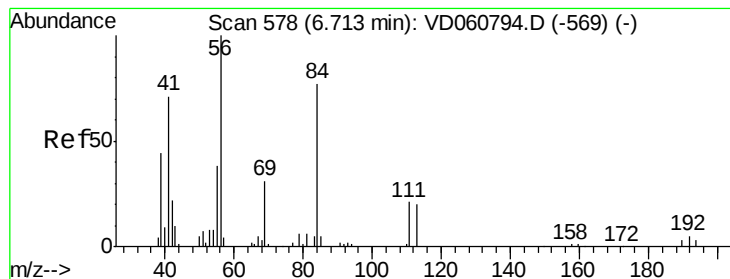
MMDadoda  
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#30  
Chloroform  
Concen: 51.274 ug/l  
RT: 6.42 min Scan# 548  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.4  | 52.3  | 78.5  |





#31

Cyclohexane

Concen: 52.473 ug/l

RT: 6.72 min Scan# 578

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

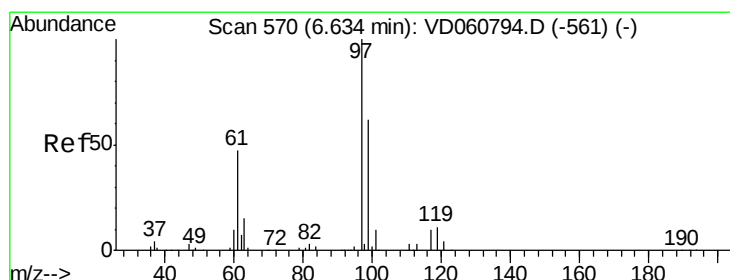
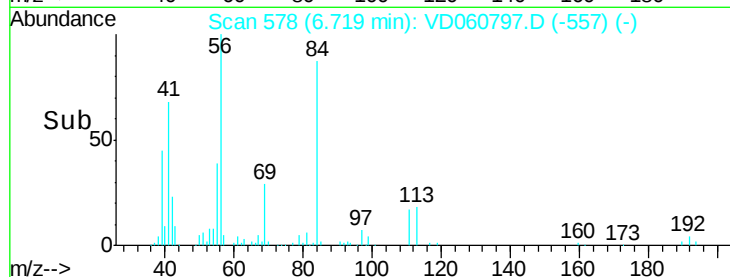
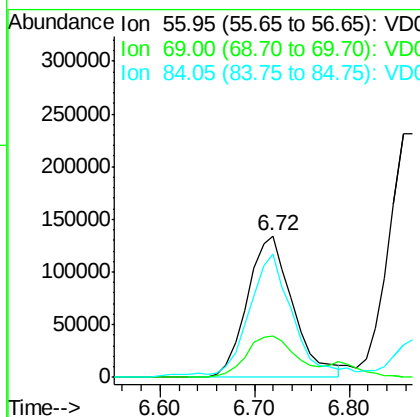
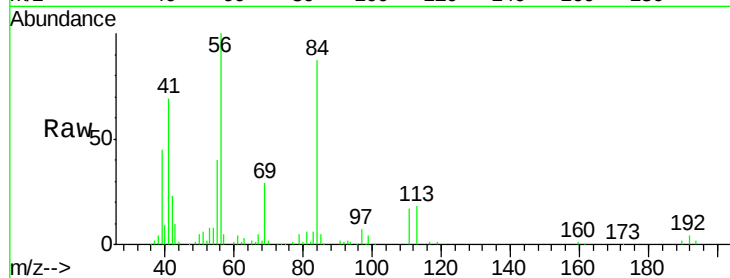
ClientSampleId :

ICVVD012819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 56    | Resp: | 447520 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 28.8  | 25.1  | 37.7   |
| 84       | 87.1  | 63.9  | 95.9   |

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#32

1,1,1-Trichloroethane

Concen: 52.110 ug/l

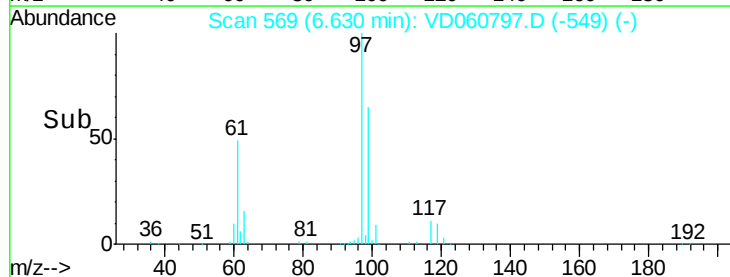
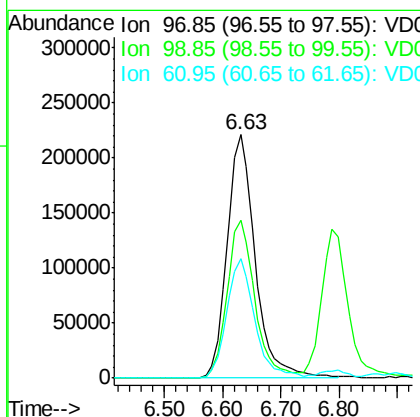
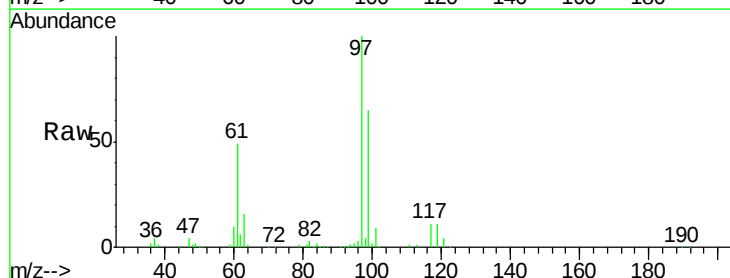
RT: 6.63 min Scan# 569

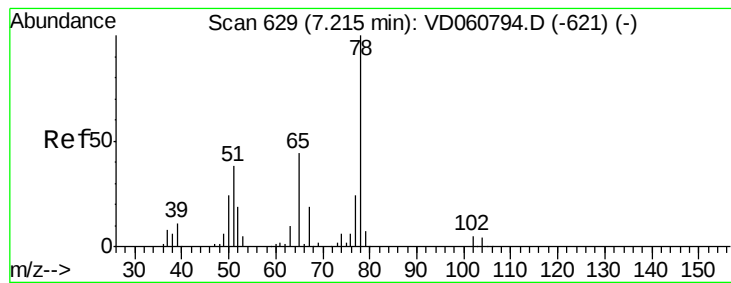
Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 743469 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 64.7  | 49.6  | 74.4   |
| 61       | 48.9  | 37.4  | 56.2   |





#33

1,2-Dichloroethane-d4

Concen: 52.110 ug/l

RT: 7.21 min Scan# 628

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 65 Resp: 440861

Ion Ratio Lower Upper

65 100

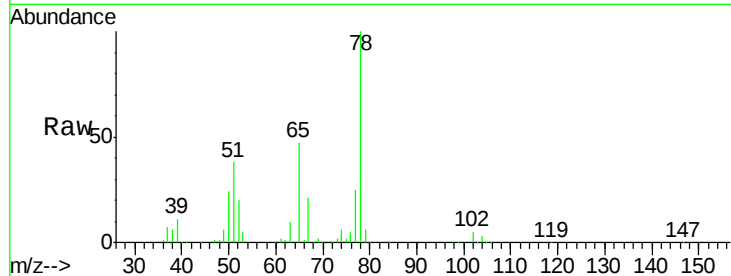
67 44.2 0.0 85.8

Manual Integrations

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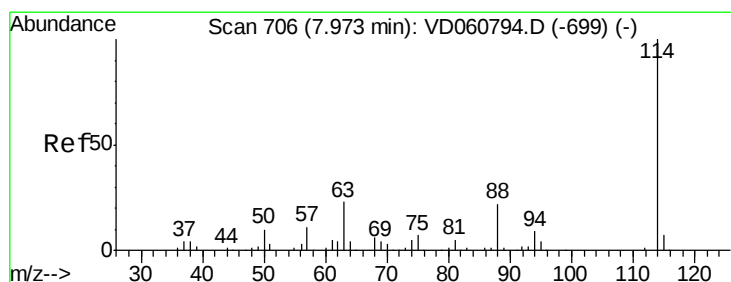
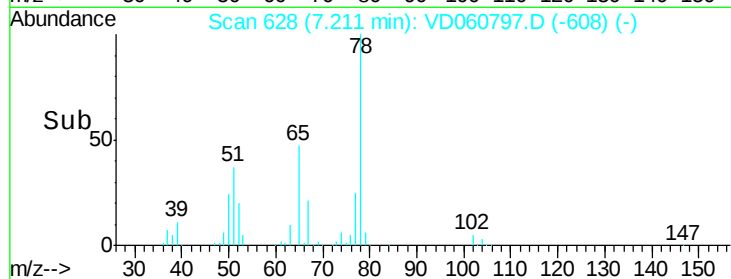
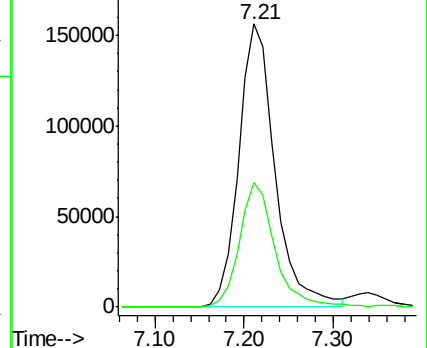
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

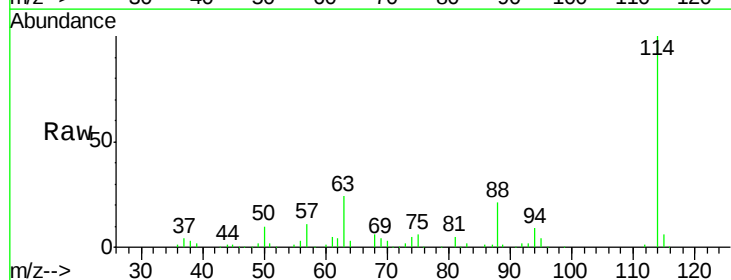
Tgt Ion: 114 Resp: 837415

Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.6

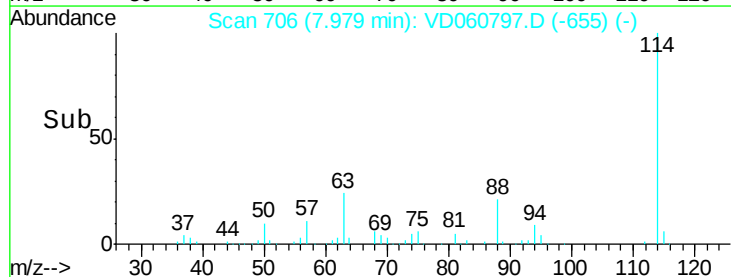
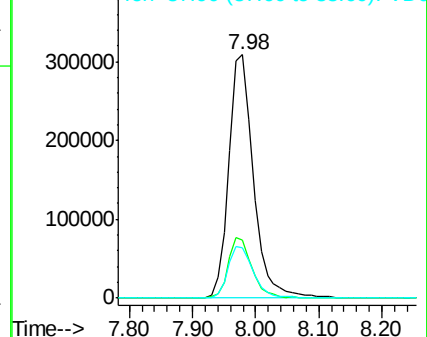
88 20.5 0.0 44.0

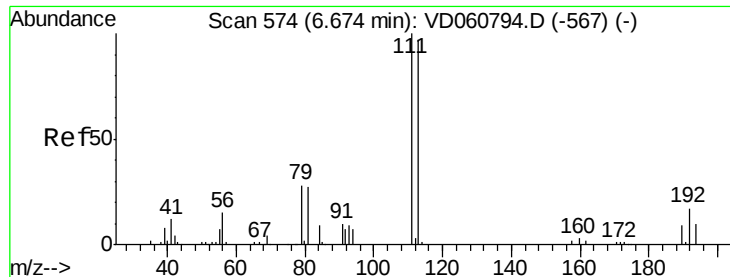


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 574

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

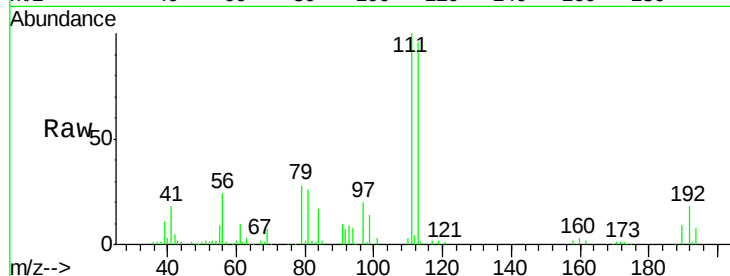
ClientSampleId :

ICVVD012819

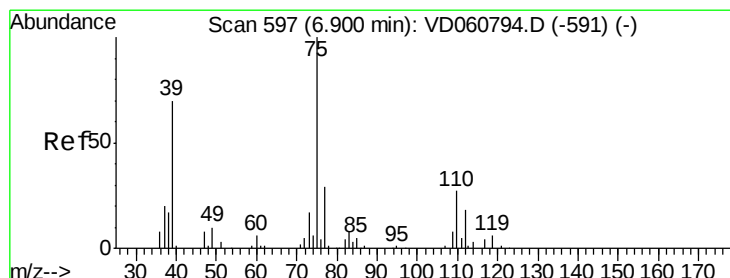
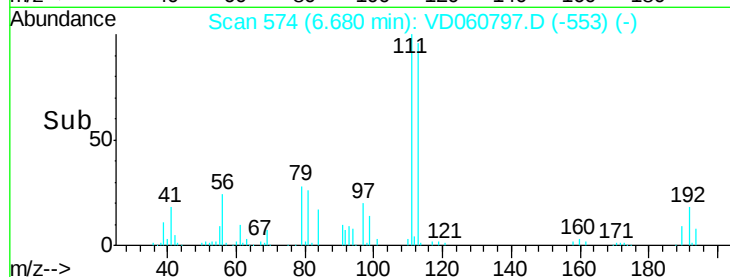
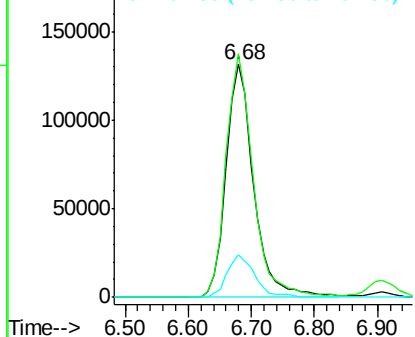
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 398516 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 104.5 | 82.3  | 123.5  |
| 192       | 18.3  | 14.4  | 21.6   |

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Abundance Ion 112.90 (112.60 to 113.60): V  
Ion 110.90 (110.60 to 111.60): V  
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.800 ug/l

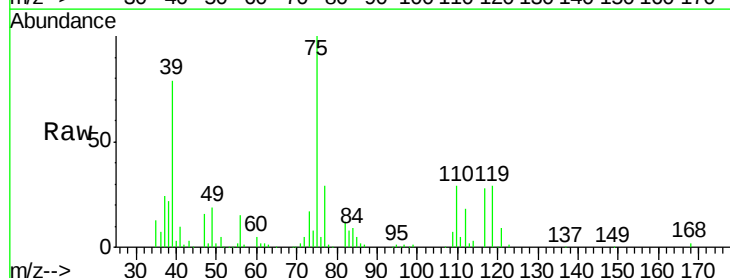
RT: 6.91 min Scan# 597

Delta R.T. 0.01 min

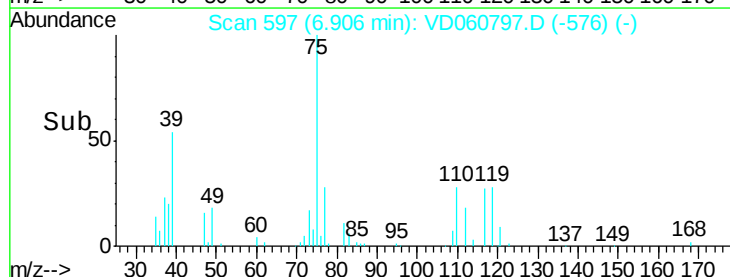
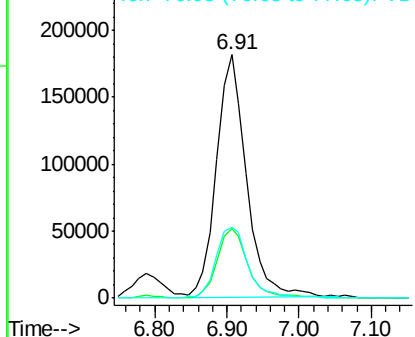
Lab File: VD060797.D

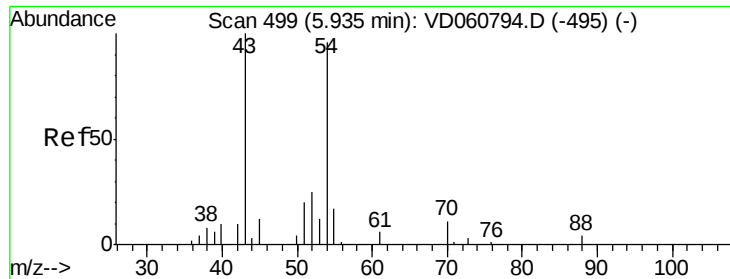
Acq: 28 Jan 2019 18:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 517926 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 28.5  | 13.5  | 40.4   |
| 77        | 29.1  | 23.4  | 35.2   |



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.95 (76.65 to 77.65): VDC





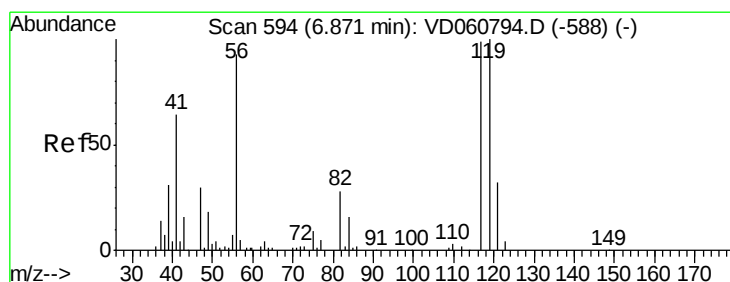
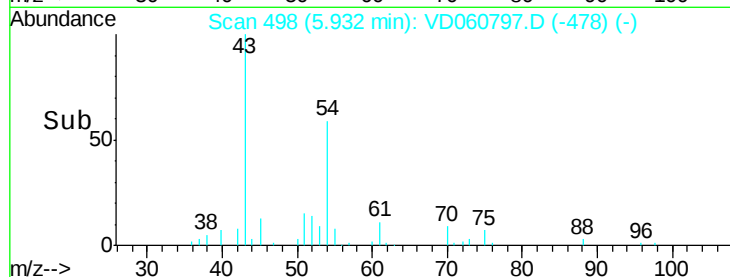
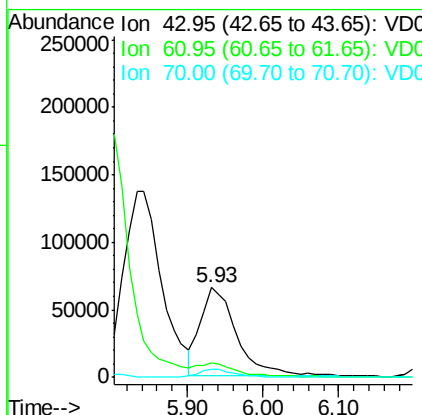
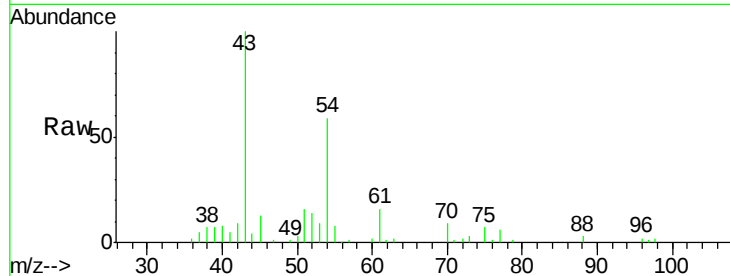
#37  
Ethyl Acetate  
Concen: 48.338 ug/l  
RT: 5.93 min Scan# 498  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleID :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.3  | 12.3  | 18.5  |
| 70      | 8.9   | 7.4   | 11.0  |

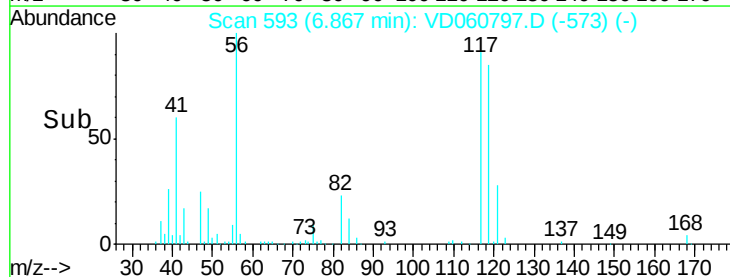
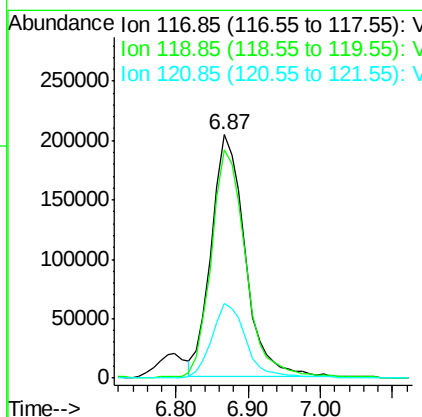
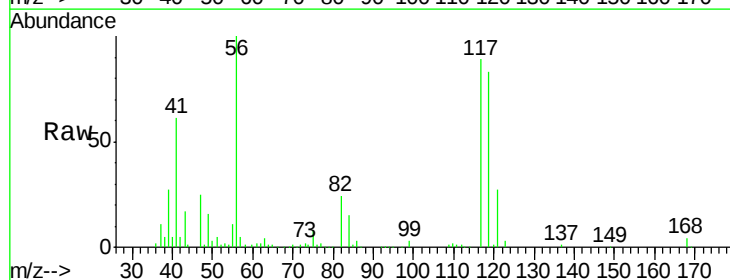
Manual Integrations  
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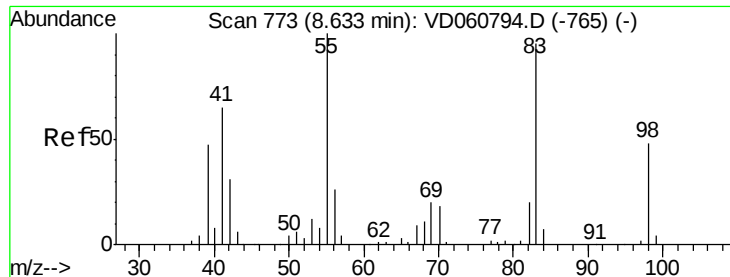
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1/29/2019 4:55:56 PM



#38  
Carbon Tetrachloride  
Concen: 52.626 ug/l  
RT: 6.87 min Scan# 593  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.0  | 75.6  | 113.4 |
| 121     | 30.6  | 23.4  | 35.2  |





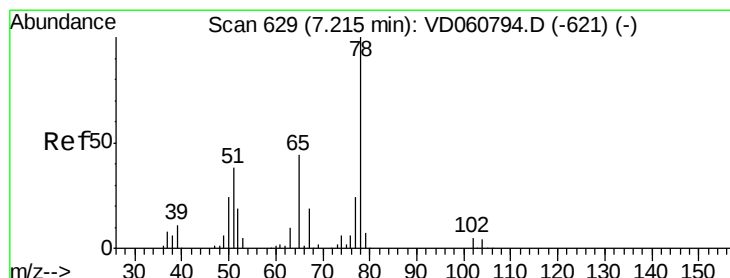
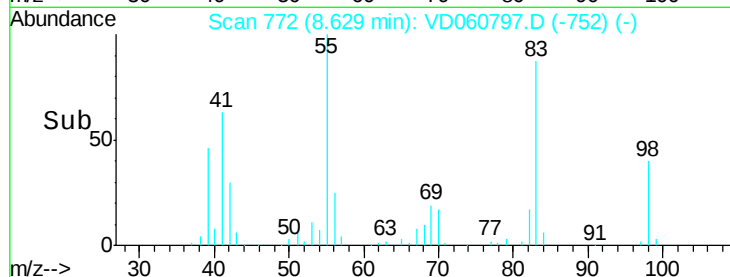
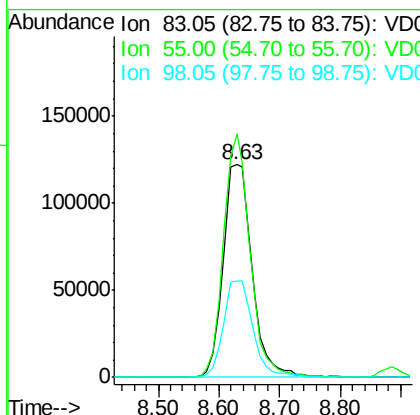
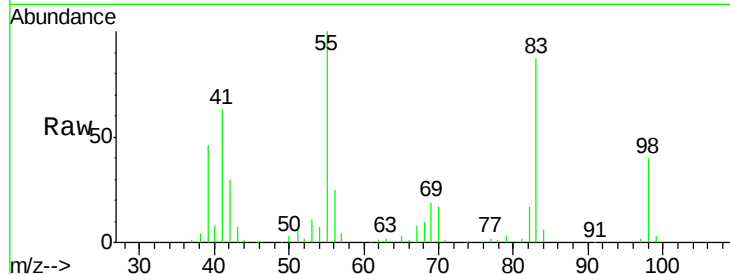
#39  
Methvlcvclohexane  
Concen: 48.454 ug/l  
RT: 8.63 min Scan# 772  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | 83    | Resp  | 405717 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 114.5 | 83.8  | 125.8  |
| 98      | 45.6  | 39.8  | 59.8   |

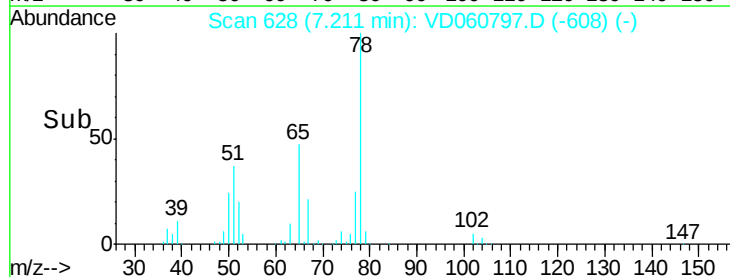
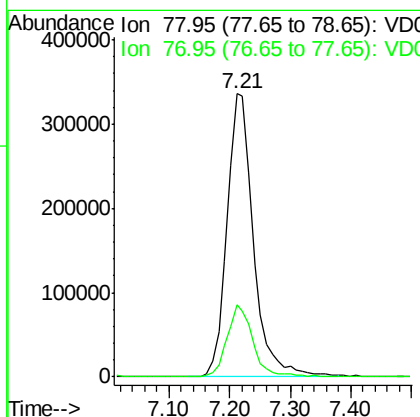
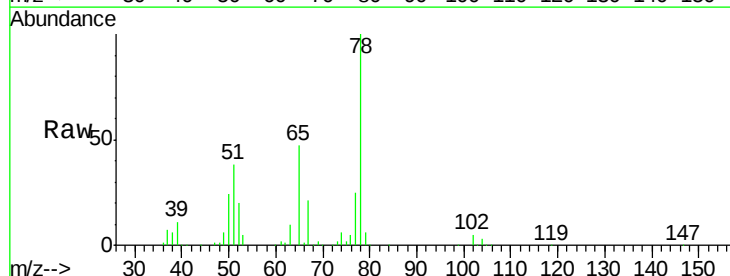
Manual Integrations  
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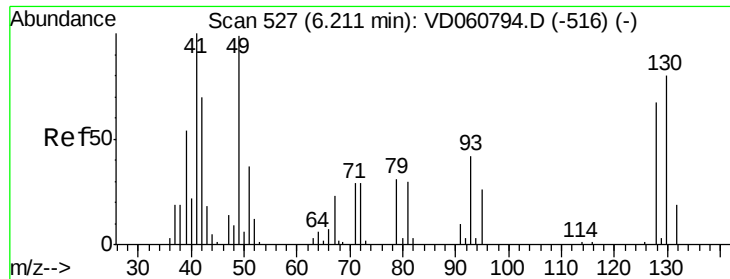
MMDadoda  
1/29/2019 4:55:56 PM



#40  
Benzene  
Concen: 51.603 ug/l  
RT: 7.21 min Scan# 628  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | 78    | Resp  | 1018324 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 78      | 100   |       |         |
| 77      | 25.5  | 18.9  | 28.3    |





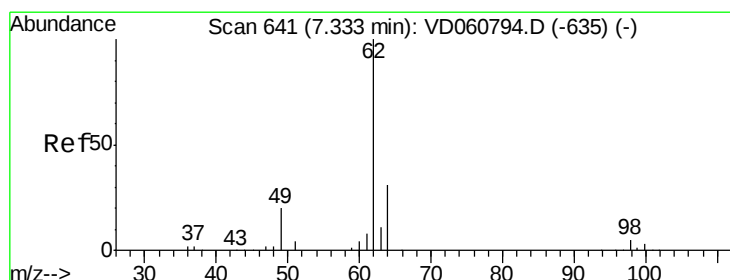
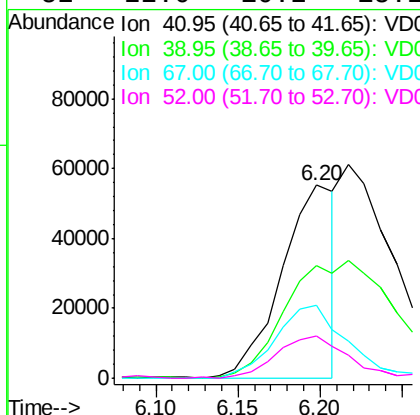
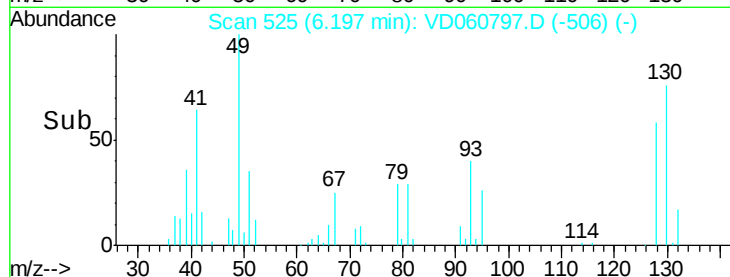
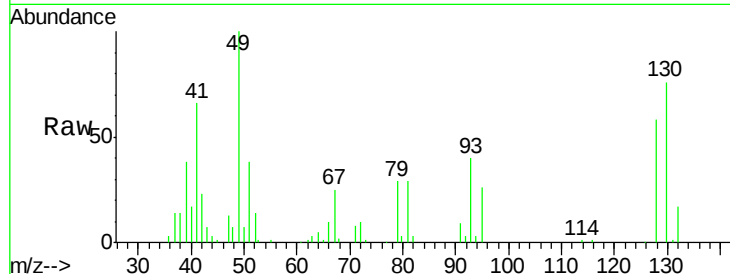
#41  
Methacrylonitrile  
Concen: 45.127 ug/l m  
RT: 6.20 min Scan# 525  
Delta R.T. -0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.1  | 43.6  | 65.4  |
| 67      | 38.0  | 18.5  | 27.7# |
| 52      | 22.0  | 10.2  | 15.2# |

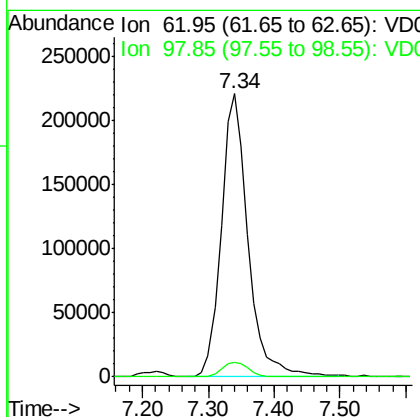
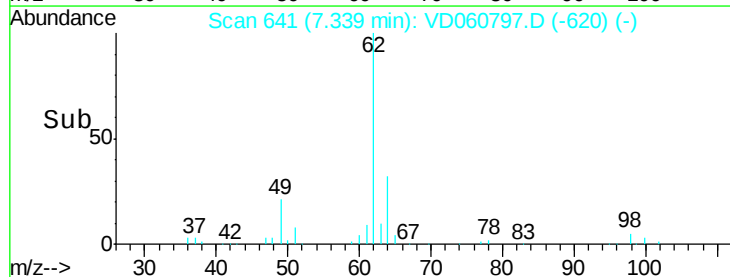
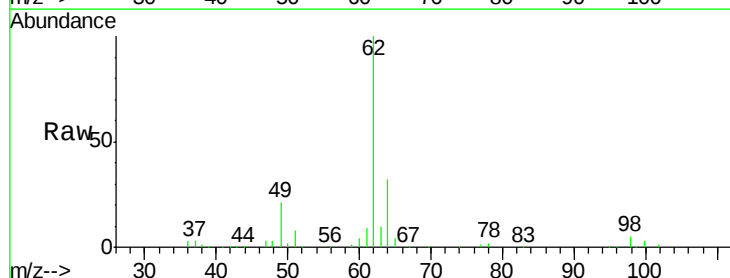
Manual Integrations  
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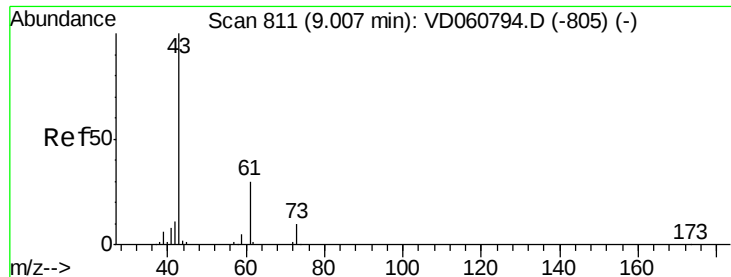
MMDadoda  
1/29/2019 4:55:56 PM



#42  
1,2-Dichloroethane  
Concen: 53.822 ug/l  
RT: 7.34 min Scan# 641  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 5.2   | 0.0   | 10.2  |





#43

Isopropyl Acetate

Concen: 55.695 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

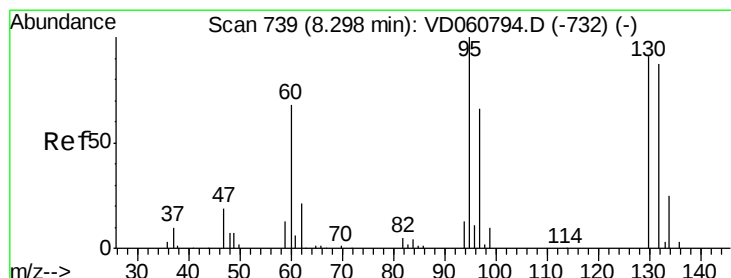
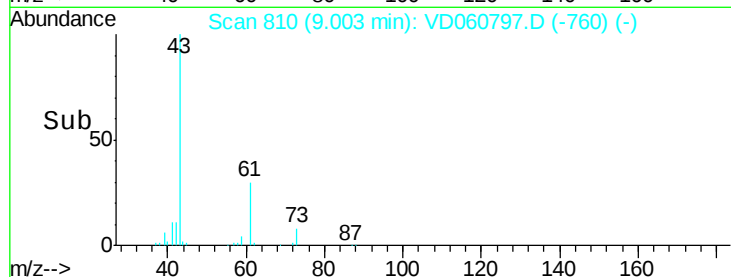
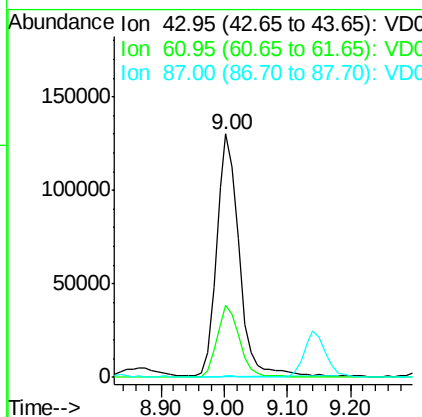
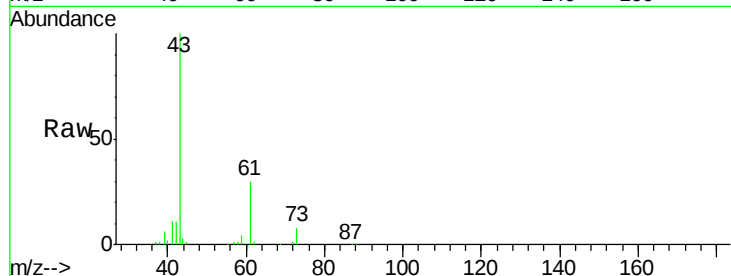
ClientSampleId :

ICVVD012819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 324218 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.6  | 24.1  | 36.1   |
| 87       | 0.4   | 0.0   | 0.0    |

Manual Integrations  
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1/29/2019 4:55:56 PM



#44

Trichloroethene

Concen: 54.895 ug/l

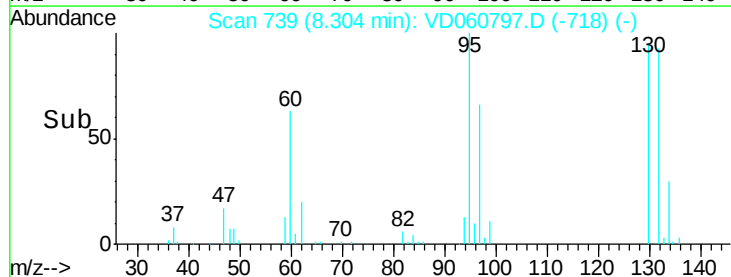
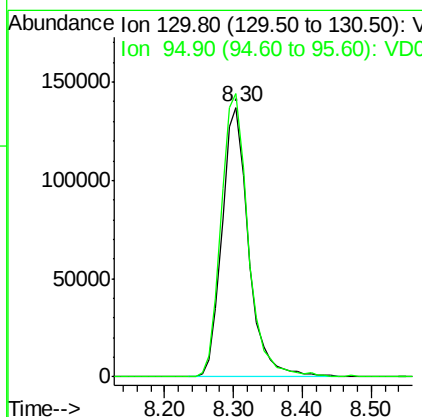
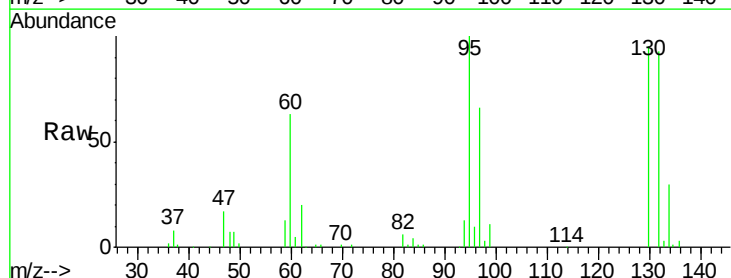
RT: 8.30 min Scan# 739

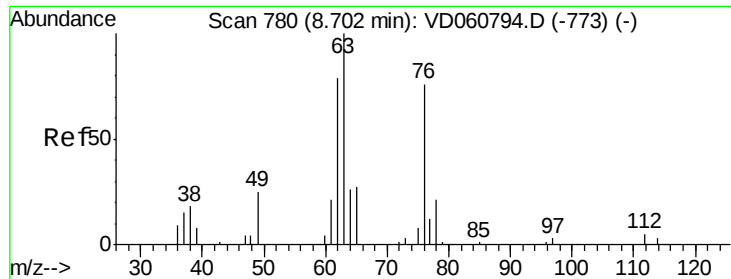
Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 367234 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 104.9 | 0.0   | 221.0  |





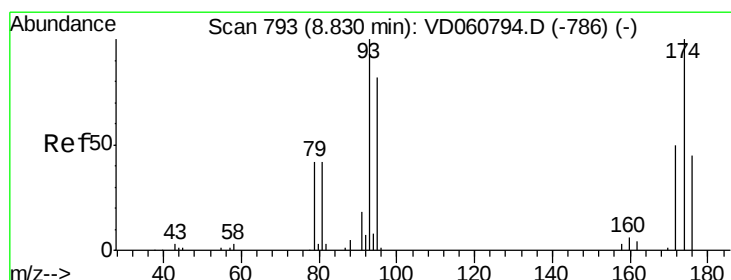
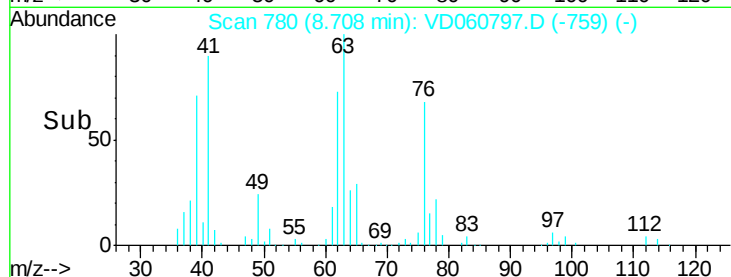
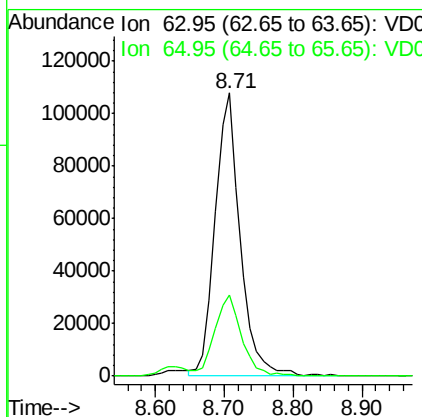
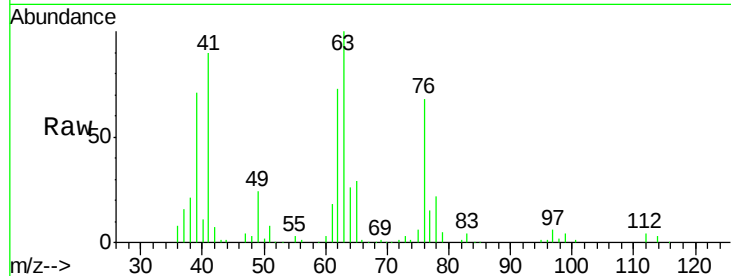
#45  
 1,2-Dichloropropane  
 Concen: 51.006 ug/l  
 RT: 8.71 min Scan# 780  
 Delta R.T. 0.01 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

Tot Ion: 63 Resp: 272472  
 Ion Ratio Lower Upper  
 63 100  
 65 28.5 24.1 36.1

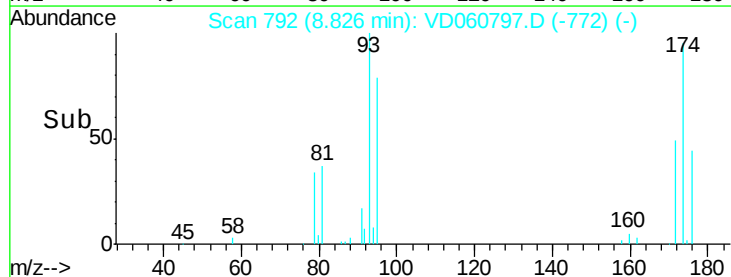
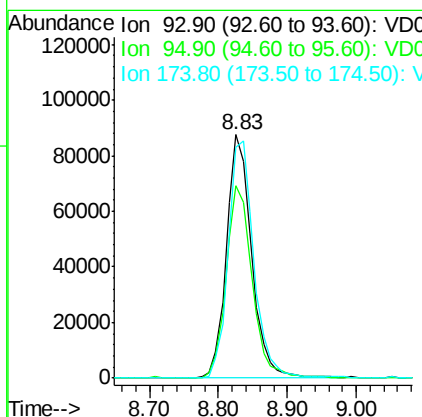
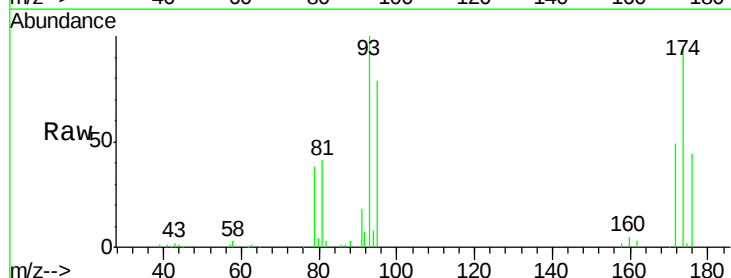
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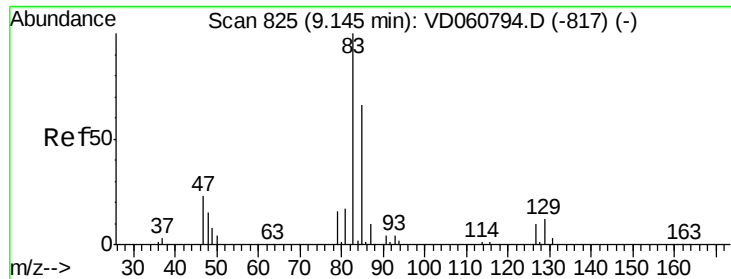
MMDadoda  
 1/29/2019 4:55:56 PM



#46  
 Dibromomethane  
 Concen: 53.079 ug/l  
 RT: 8.83 min Scan# 792  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Tgt Ion: 93 Resp: 220116  
 Ion Ratio Lower Upper  
 93 100  
 95 79.1 65.8 98.8  
 174 95.0 79.8 119.6





#47

Bromodichloromethane

Concen: 51.377 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

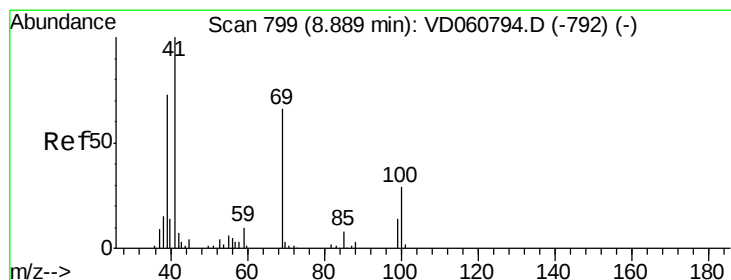
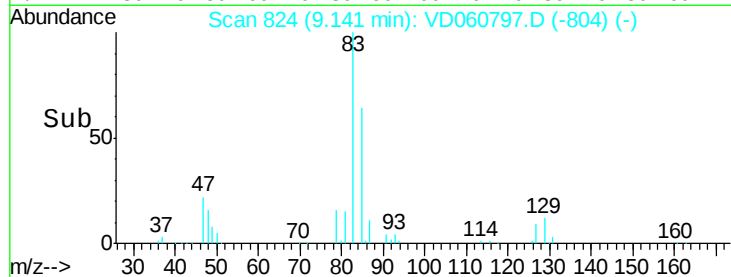
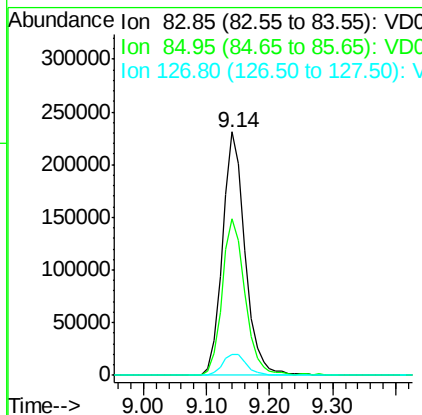
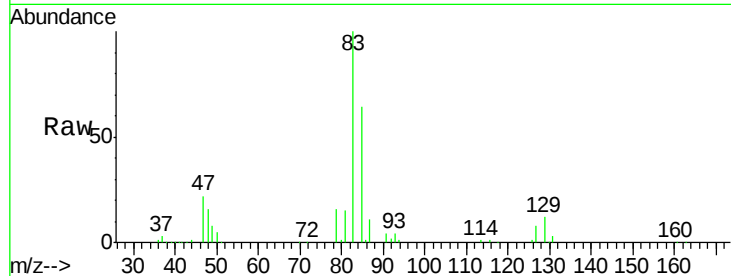
ClientSampleId :

ICVVD012819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 575078 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.2  | 52.6  | 79.0   |
| 127      | 8.5   | 7.7   | 11.5   |

Manual Integrations  
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MMDadoda  
1/29/2019 4:55:56 PM



#48

Methyl methacrylate

Concen: 51.592 ug/l

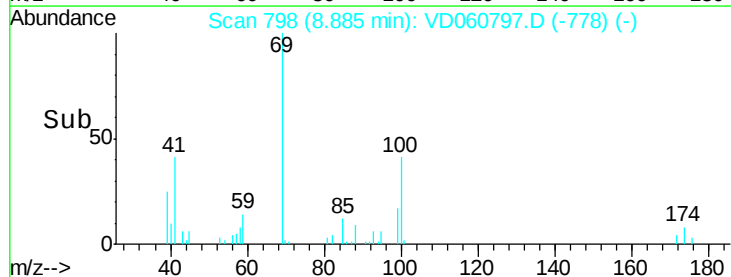
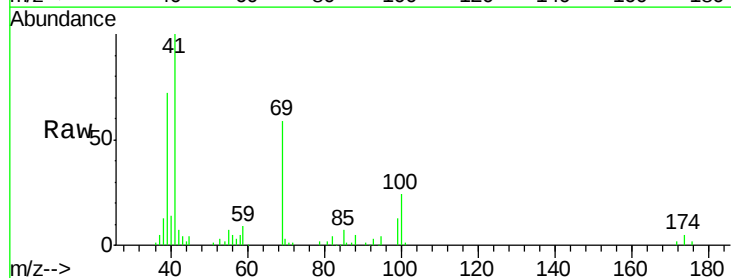
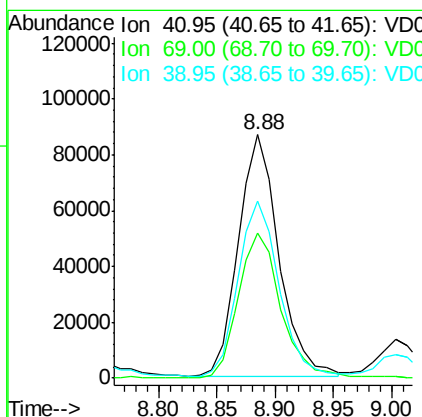
RT: 8.88 min Scan# 798

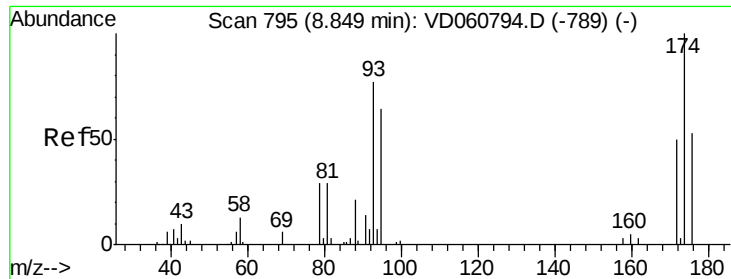
Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 207106 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 59.3  | 52.5  | 78.7   |
| 39       | 72.5  | 59.0  | 88.6   |





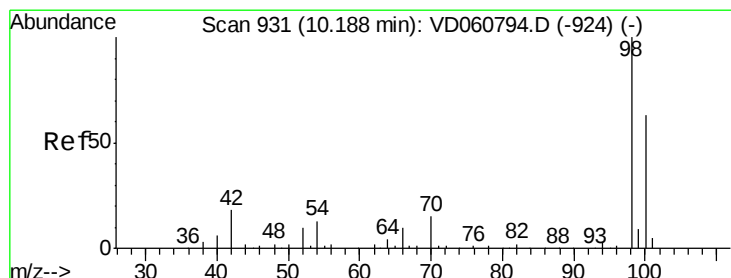
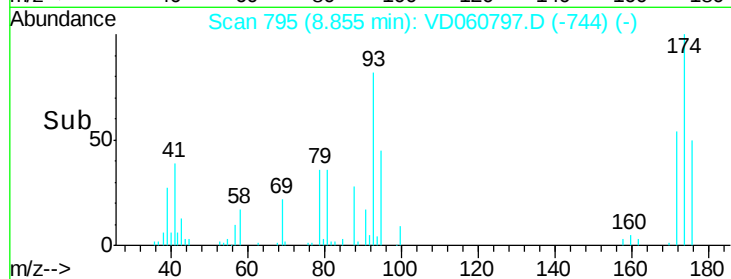
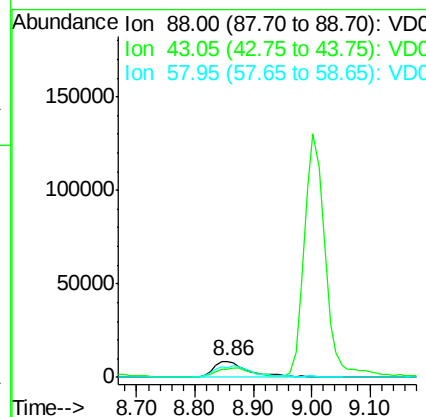
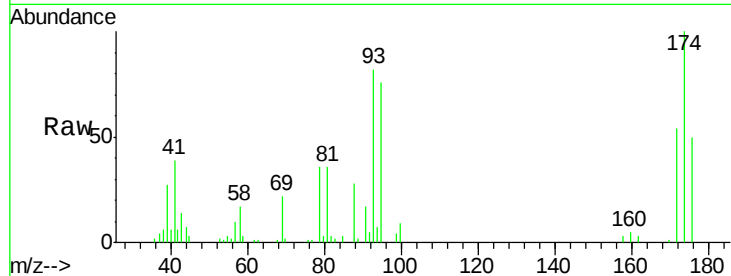
#49  
1,4-Dioxane  
Concen: 1035.088 ug/l  
RT: 8.86 min Scan# 795  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 50.8  | 40.9  | 61.3  |
| 58      | 61.3  | 52.2  | 78.4  |

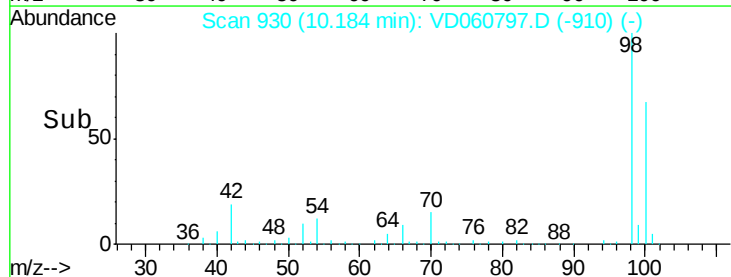
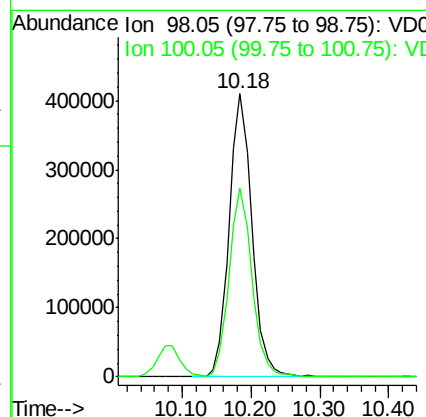
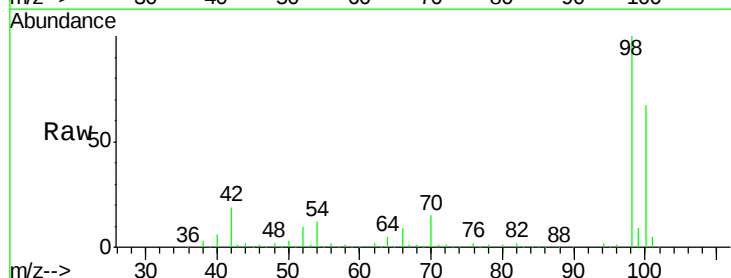
Manual Integrations  
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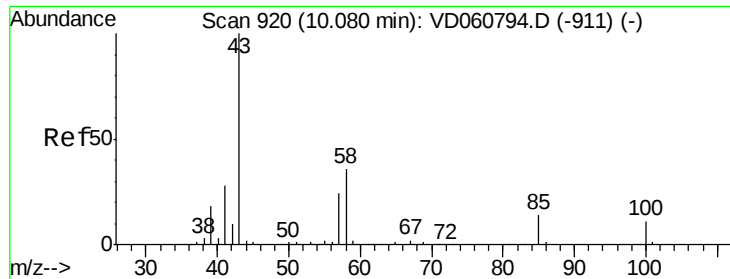
MMDadoda  
1/29/2019 4:55:56 PM



#50  
Toluene-d8  
Concen: 1035.088 ug/l  
RT: 10.18 min Scan# 930  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.6  | 51.0  | 76.6  |





#51

4-Methyl-2-Pentanone

Concen: 266.082 ug/l

RT: 10.08 min Scan# 919

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 43 Resp: 1003082

Ion Ratio Lower Upper

43 100

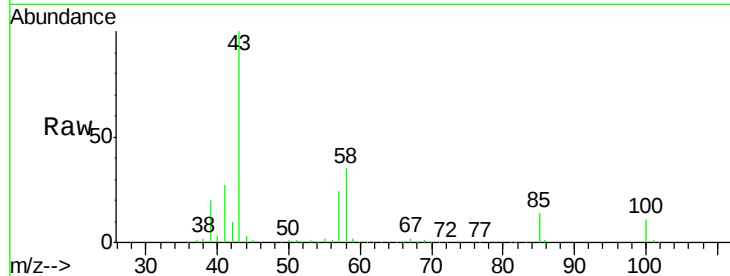
58 35.4 28.4 42.6

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.08

400000

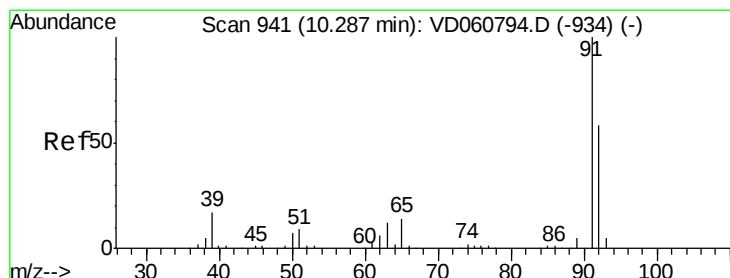
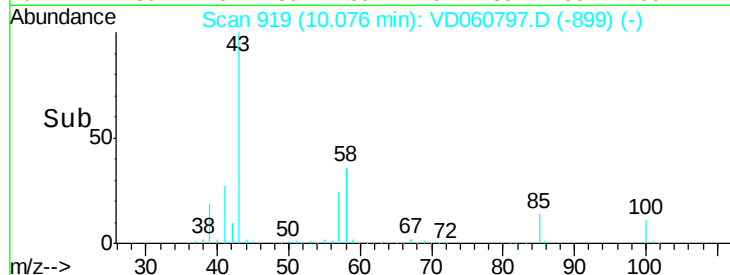
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.965 ug/l

RT: 10.28 min Scan# 940

Delta R.T. -0.00 min

Lab File: VD060797.D

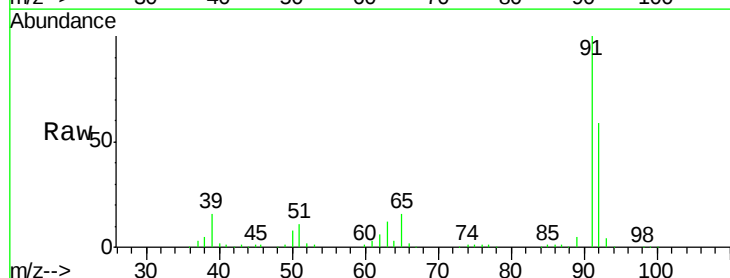
Acq: 28 Jan 2019 18:04

Tgt Ion: 92 Resp: 637964

Ion Ratio Lower Upper

92 100

91 170.2 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.28

500000

400000

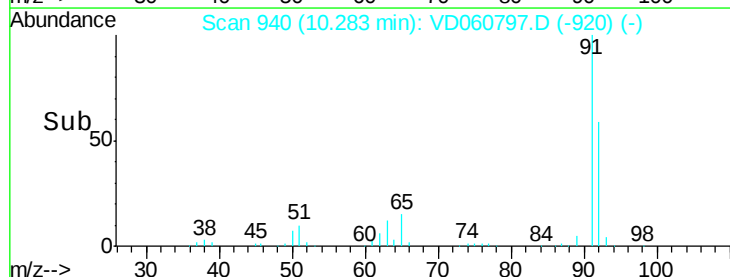
300000

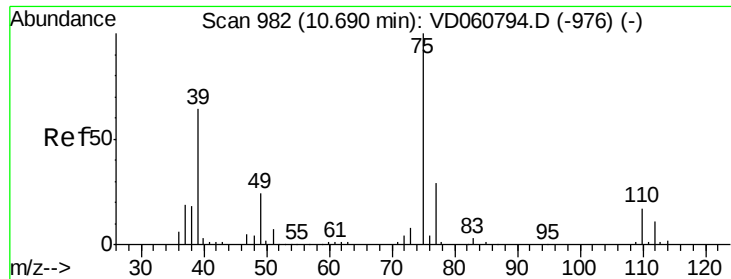
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.346 ug/l

RT: 10.69 min Scan# 981

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 75 Resp: 535084

Ion Ratio Lower Upper

75 100

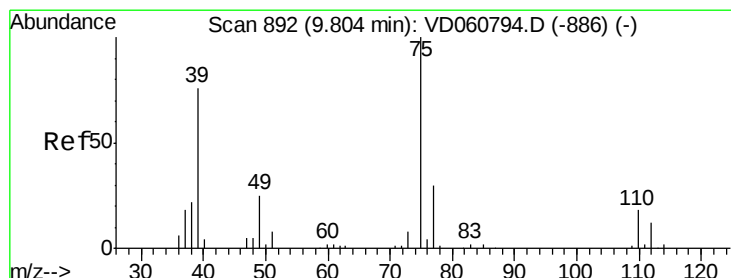
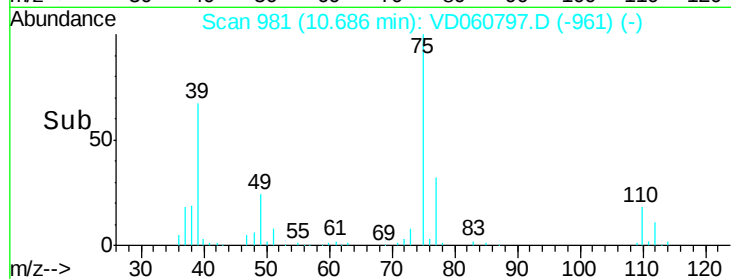
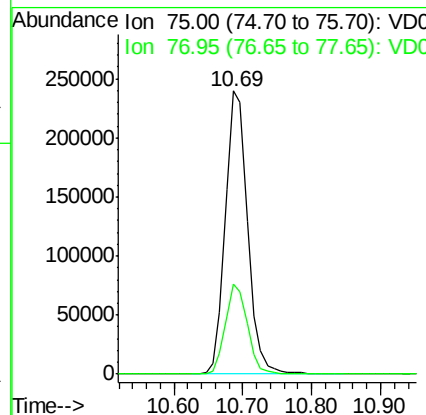
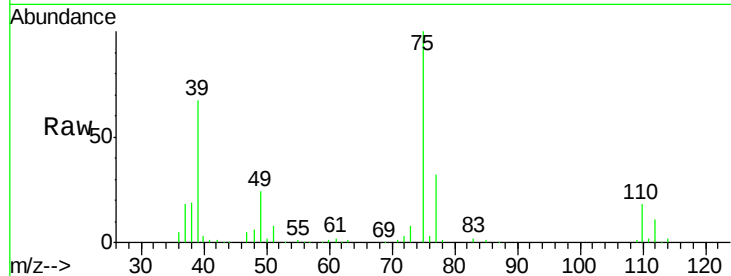
77 31.6 23.0 34.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.463 ug/l

RT: 9.81 min Scan# 892

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

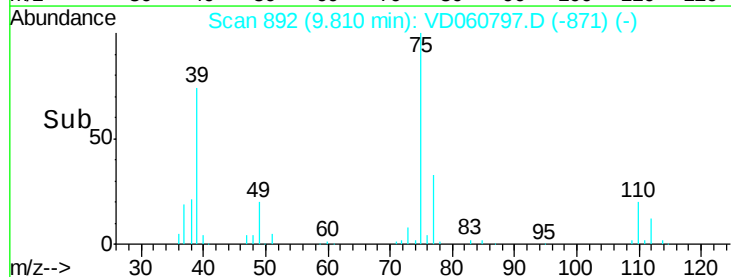
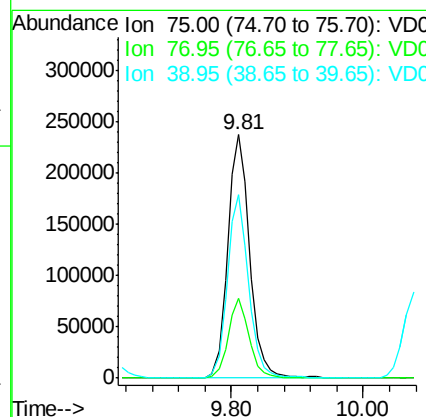
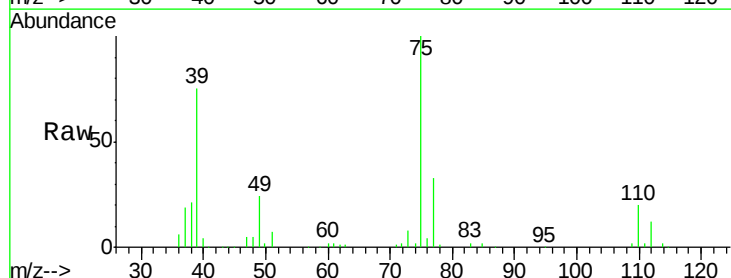
Tgt Ion: 75 Resp: 549887

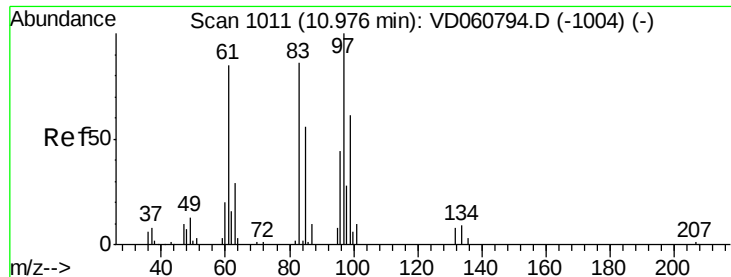
Ion Ratio Lower Upper

75 100

77 33.0 23.9 35.9

39 75.5 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 52.937 ug/l

RT: 10.97 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

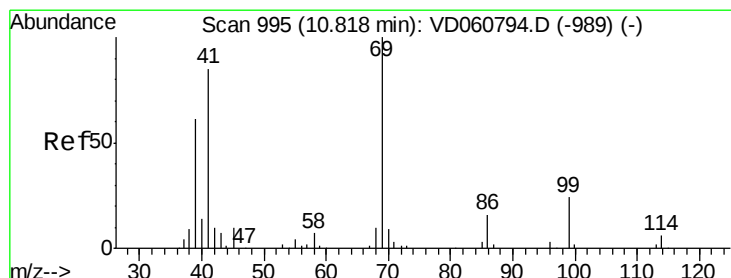
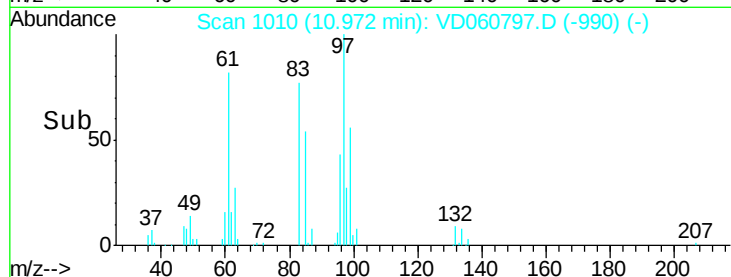
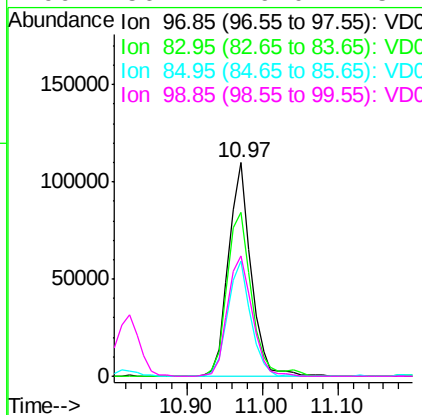
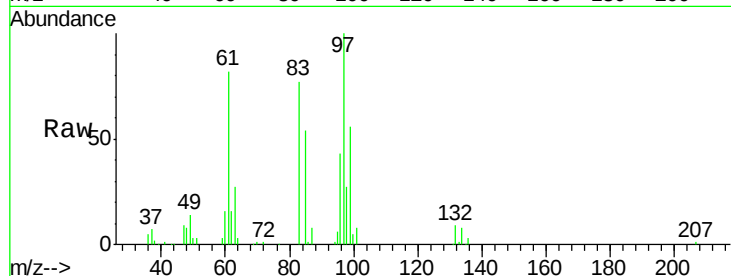
ClientSampleId :

ICVVD012819

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 225925 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 76.7  | 68.5  | 102.7  |
| 85       | 53.9  | 45.0  | 67.6   |
| 99       | 56.1  | 49.0  | 73.4   |

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#56

Ethyl methacrylate

Concen: 54.370 ug/l

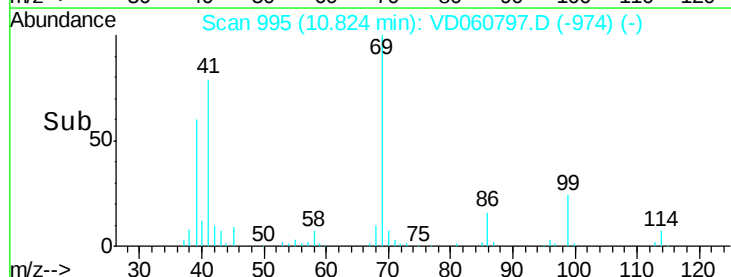
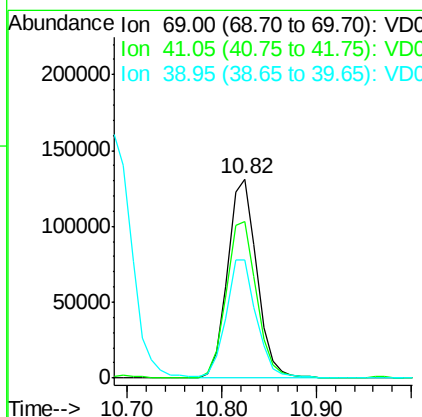
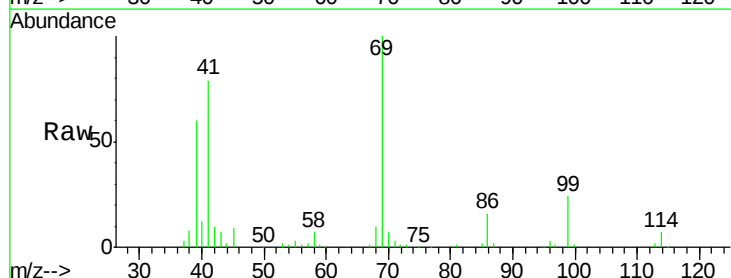
RT: 10.82 min Scan# 995

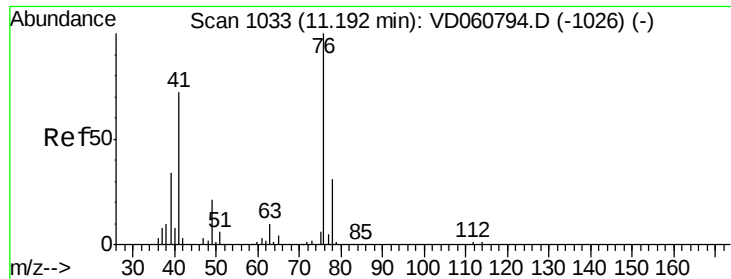
Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 281090 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 78.6  | 68.2  | 102.2  |
| 39       | 59.5  | 49.4  | 74.0   |





#57

1,3-Dichloropropane

Concen: 49.337 ug/l

RT: 11.19 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 76 Resp: 359860

Ion Ratio Lower Upper

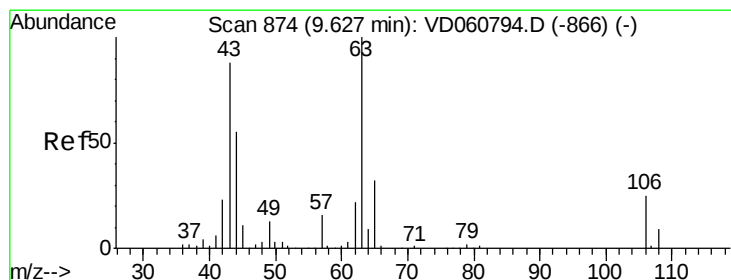
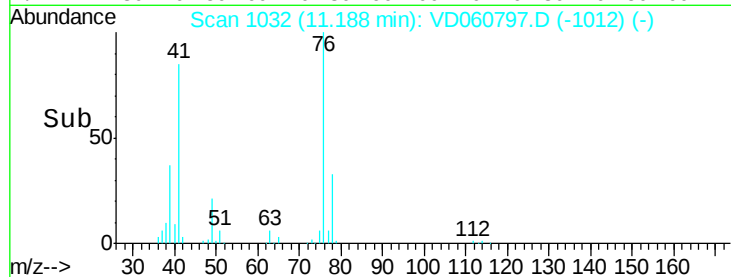
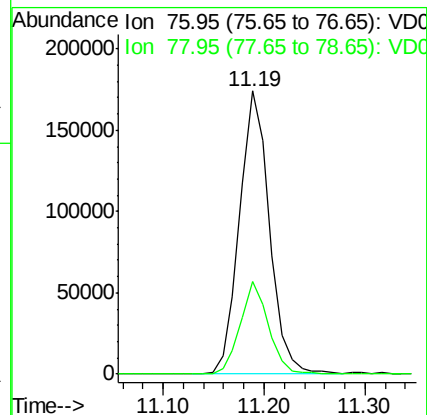
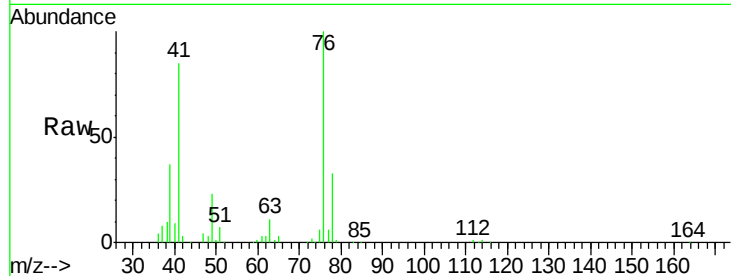
76 100

78 32.7 24.5 36.7

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#58

2-Chloroethyl Vinyl ether

Concen: 254.002 ug/l

RT: 9.63 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD060797.D

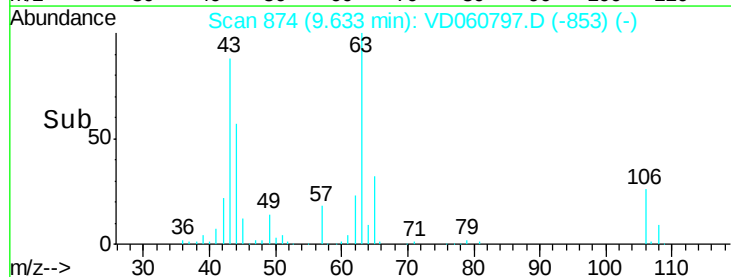
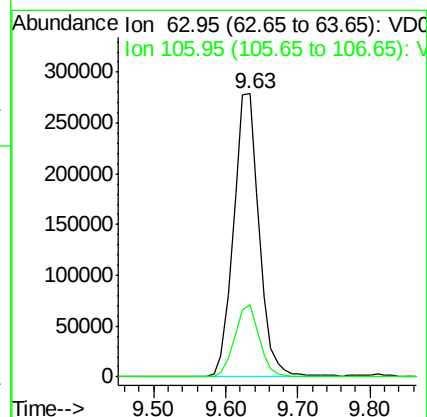
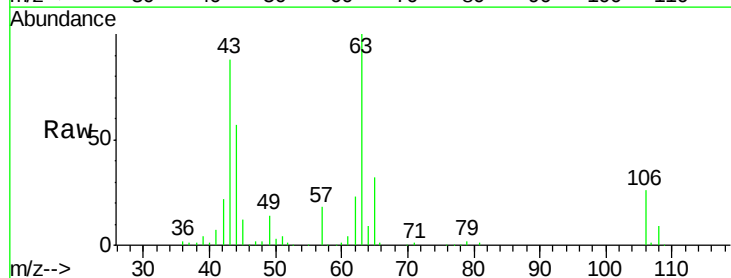
Acq: 28 Jan 2019 18:04

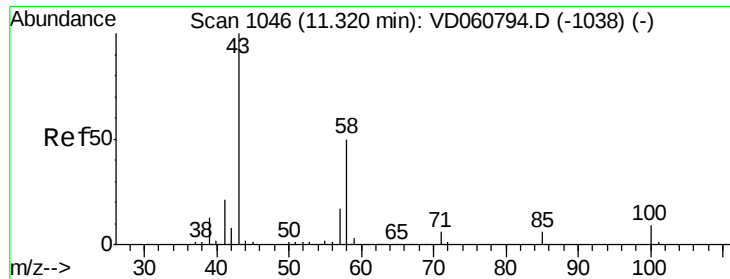
Tgt Ion: 63 Resp: 689022

Ion Ratio Lower Upper

63 100

106 25.6 19.9 29.9





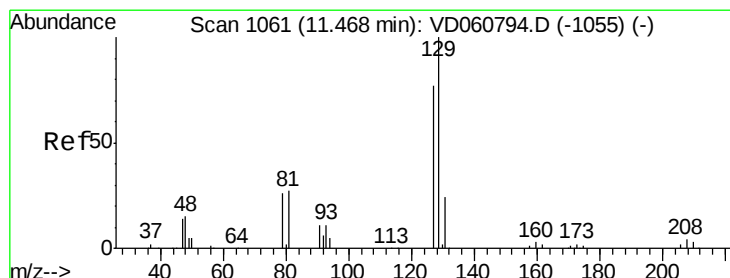
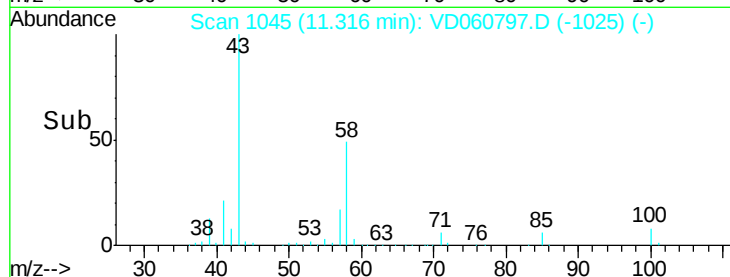
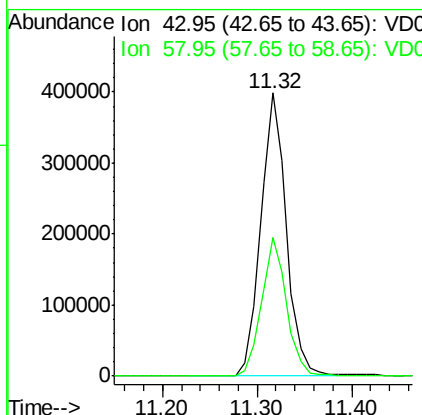
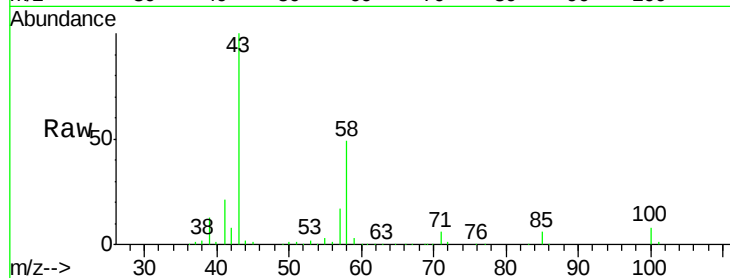
#59  
2-Hexanone  
Concen: 265.440 ug/l  
RT: 11.32 min Scan# 1045  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 43 Resp: 752398  
Ion Ratio Lower Upper  
43 100  
58 48.9 25.0 75.0

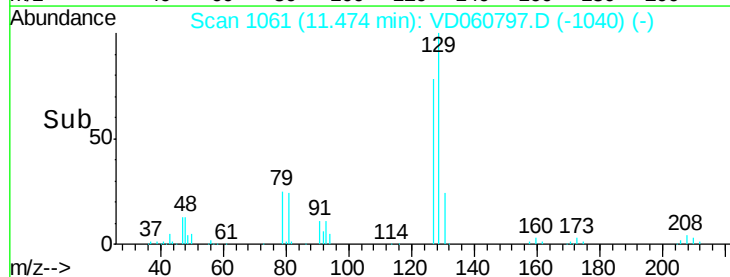
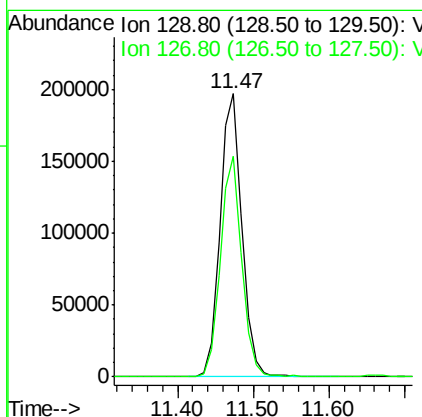
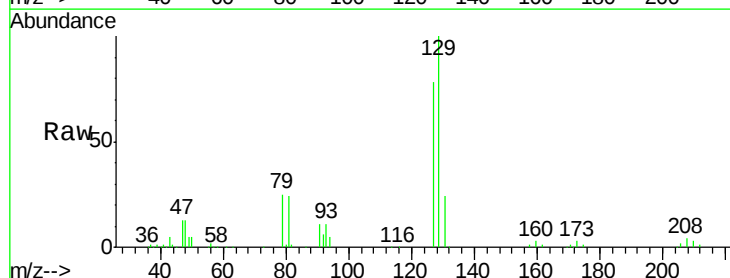
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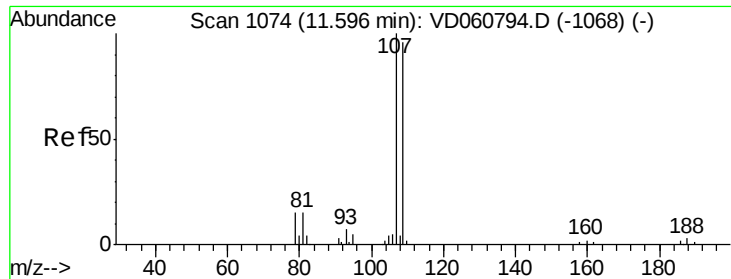
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#60  
Dibromochloromethane  
Concen: 51.395 ug/l  
RT: 11.47 min Scan# 1061  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion:129 Resp: 394331  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 115.7





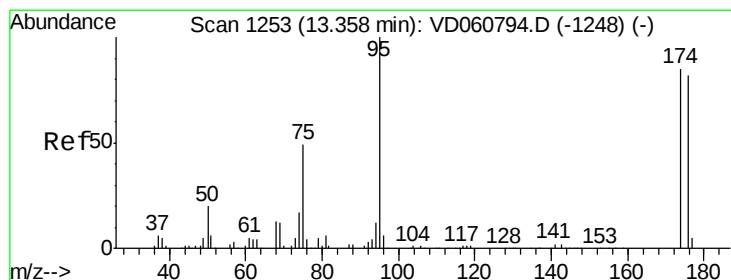
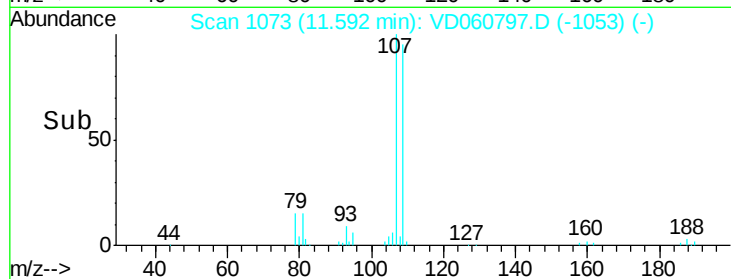
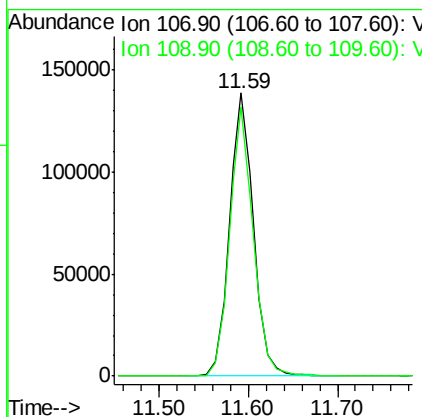
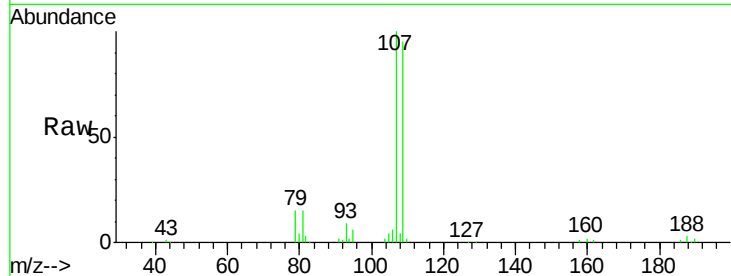
#61  
 1,2-Dibromoethane  
 Concen: 51.902 ug/l  
 RT: 11.59 min Scan# 1073  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

Tot Ion:107 Resp: 260866  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 76.6 114.8

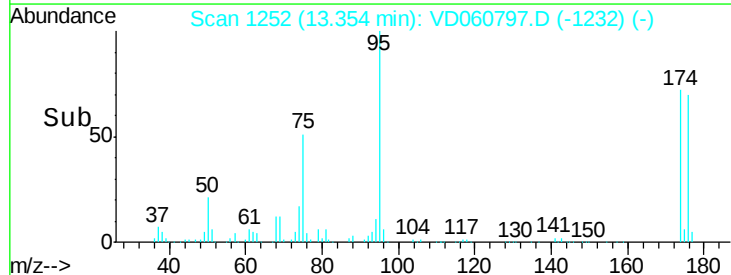
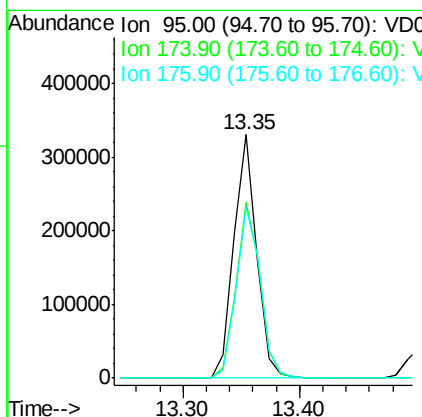
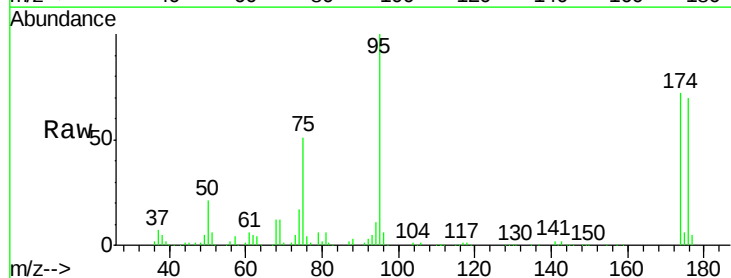
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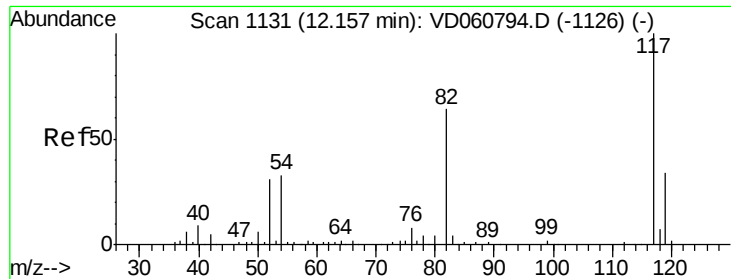
MMDadoda  
 1/29/2019 4:55:56 PM



#62  
 4-Bromofluorobenzene  
 Concen: 51.902 ug/l  
 RT: 13.35 min Scan# 1252  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Tgt Ion: 95 Resp: 447670  
 Ion Ratio Lower Upper  
 95 100  
 174 72.0 0.0 169.6  
 176 70.1 0.0 163.8





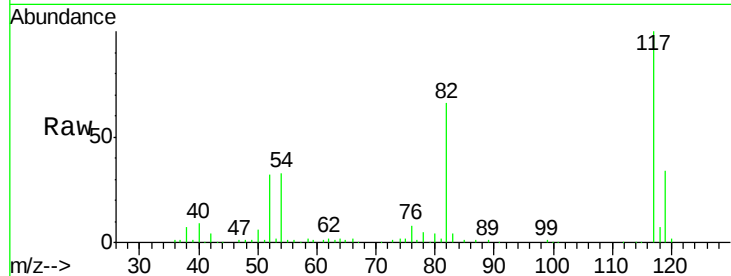
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.15 min Scan# 1130  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

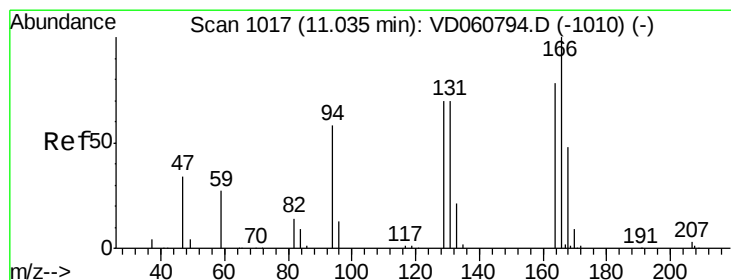
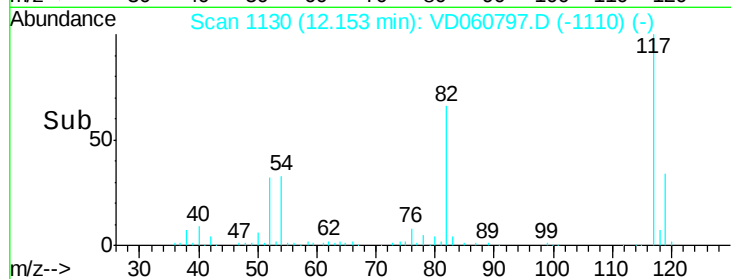
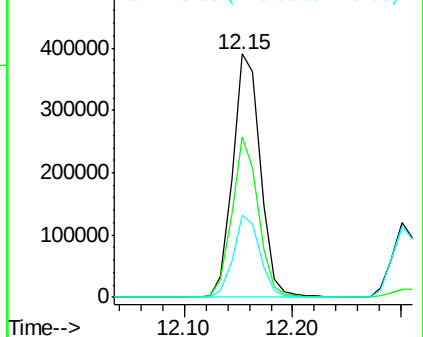
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 65.9  | 51.5  | 77.3  |
| 119     | 33.6  | 27.1  | 40.7  |

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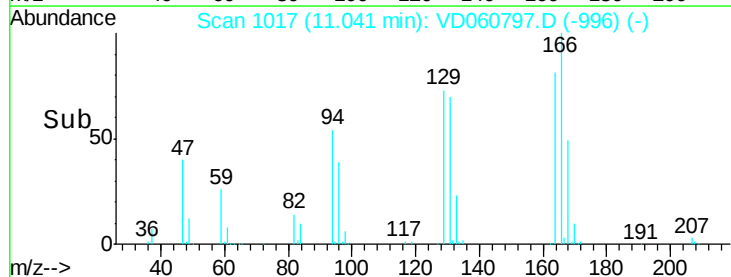
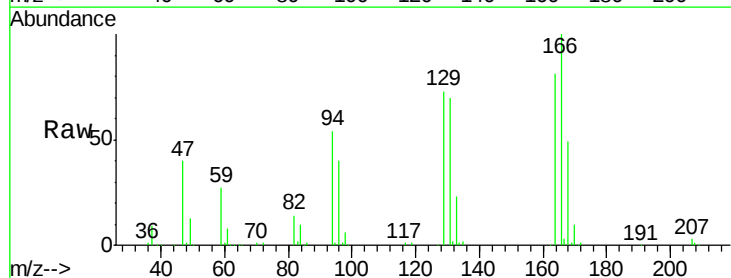
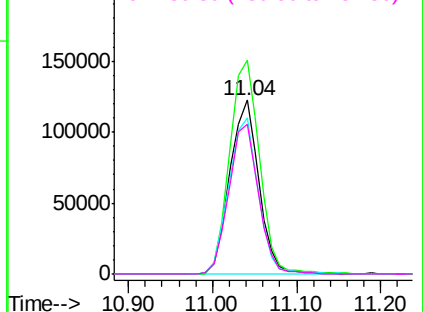
Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

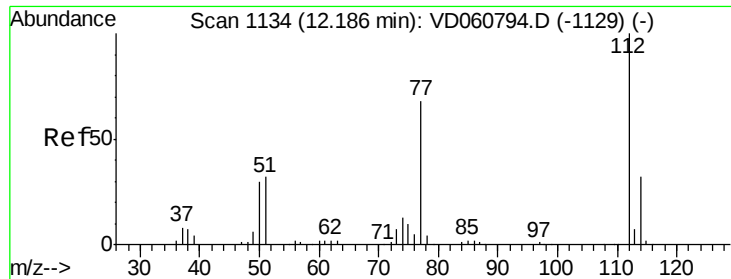


#64  
Tetrachloroethene  
Concen: 46.172 ug/l  
RT: 11.04 min Scan# 1017  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.1 | 102.6 | 154.0 |
| 129     | 89.8  | 72.3  | 108.5 |
| 131     | 86.0  | 72.1  | 108.1 |

Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.85 (165.55 to 166.55): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





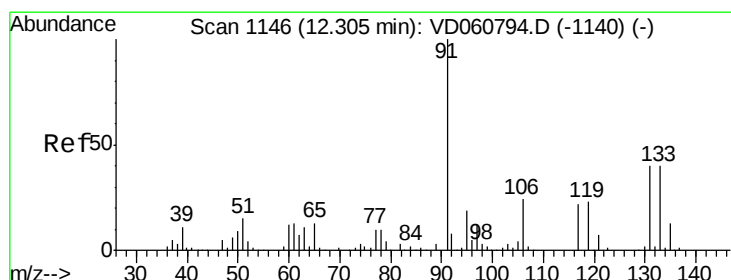
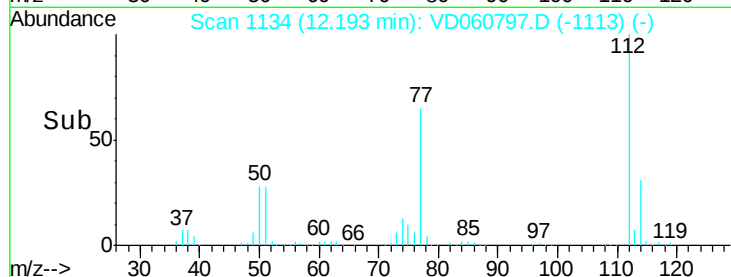
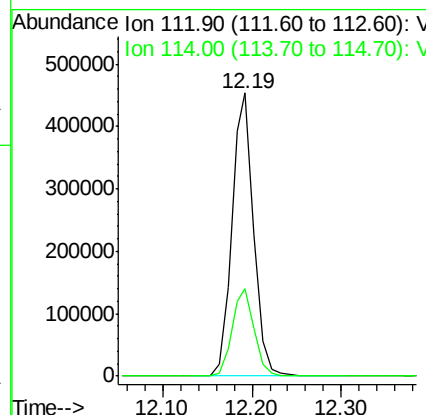
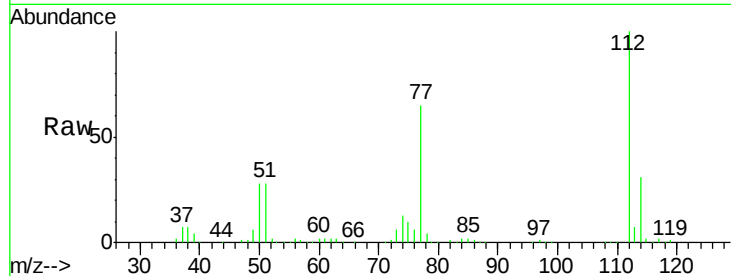
#65  
Chlorobenzene  
Concen: 49.074 ug/l  
RT: 12.19 min Scan# 1134  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion:112 Resp: 777934  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.2 37.8

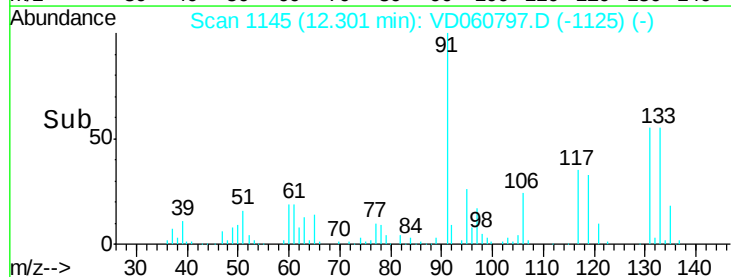
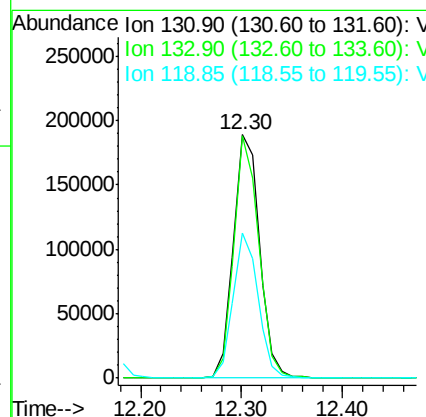
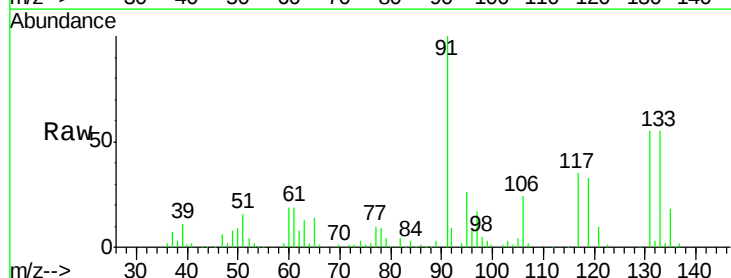
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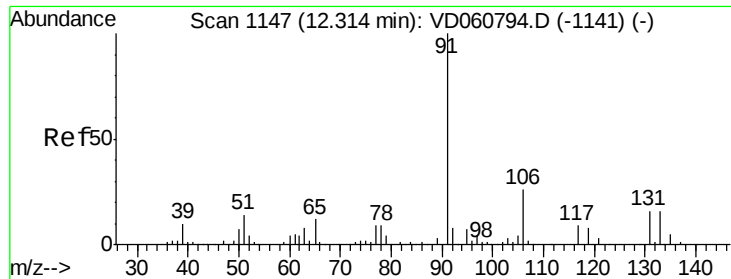
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.996 ug/l  
RT: 12.30 min Scan# 1145  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion:131 Resp: 340505  
Ion Ratio Lower Upper  
131 100  
133 99.4 49.9 149.7  
119 59.8 28.5 85.5





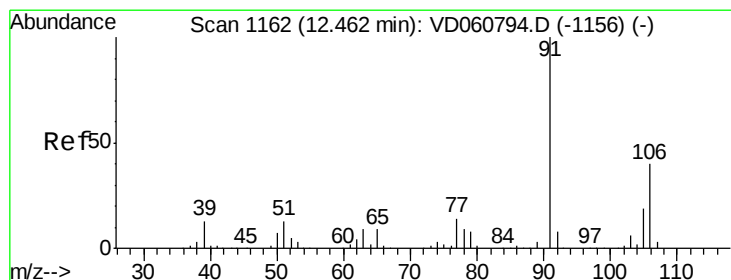
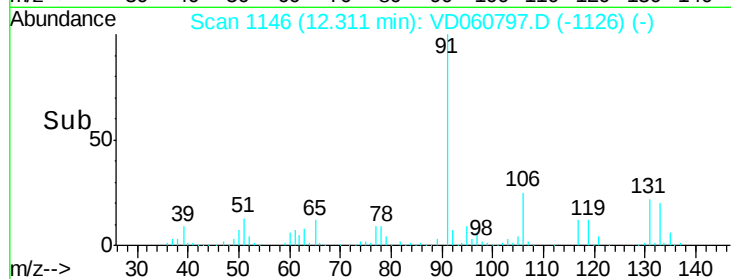
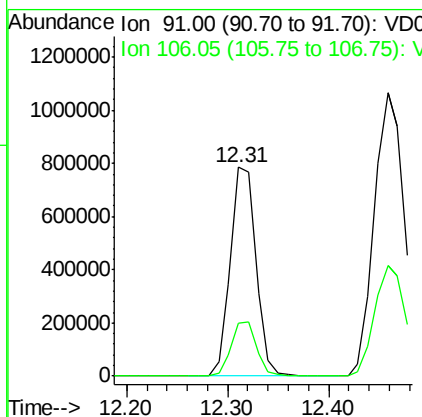
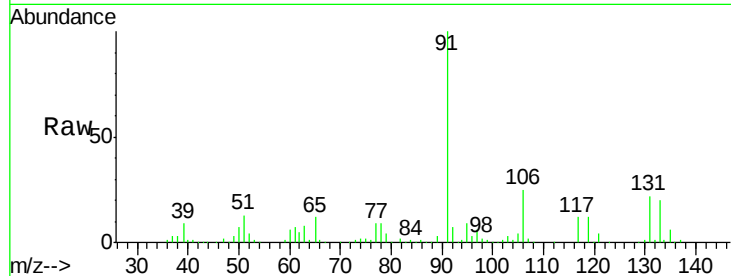
#67  
Ethyl Benzene  
Concen: 48.761 ug/l  
RT: 12.31 min Scan# 1146  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 91 Resp: 1389953  
Ion Ratio Lower Upper  
91 100  
106 25.4 21.0 31.6

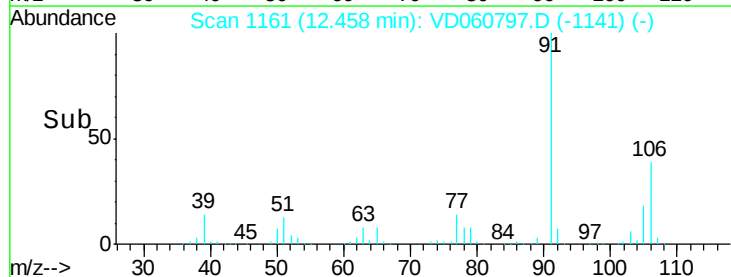
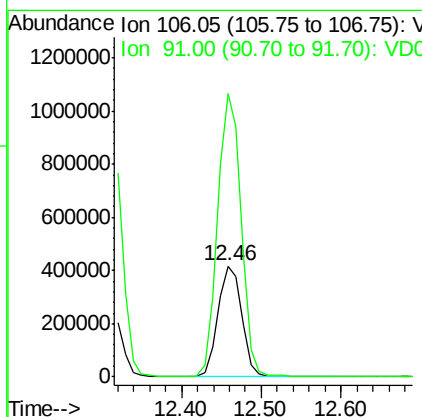
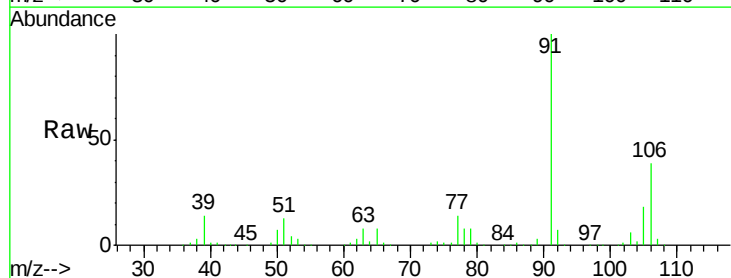
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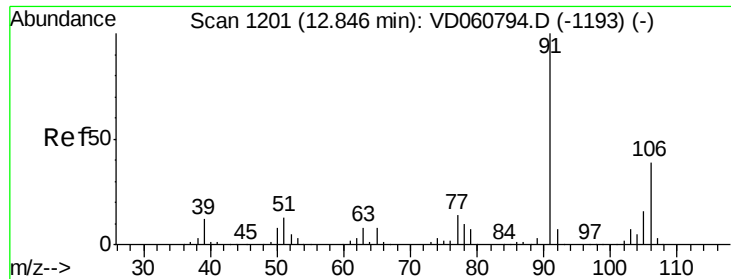
MMDadoda  
1/29/2019 4:55:56 PM



#68  
m/p-Xylenes  
Concen: 94.899 ug/l  
RT: 12.46 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 106 Resp: 880102  
Ion Ratio Lower Upper  
106 100  
91 255.4 200.5 300.7





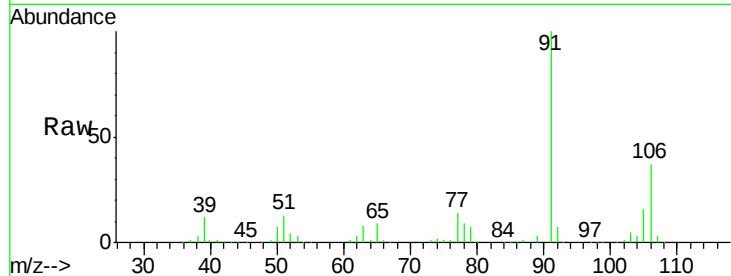
#69  
o-Xylene  
Concen: 44.858 ug/l  
RT: 12.84 min Scan# 1200  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

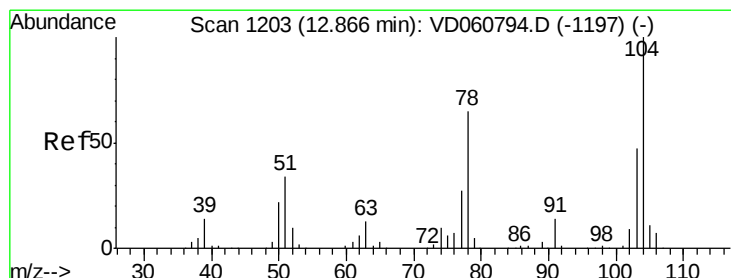
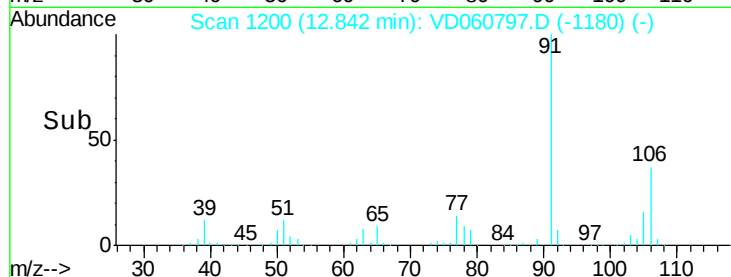
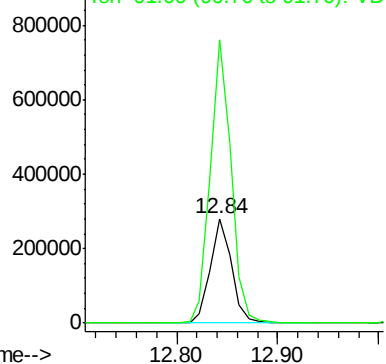
Tot Ion:106 Resp: 411753  
Ion Ratio Lower Upper  
106 100  
91 270.4 127.6 382.7

Manual Integrations  
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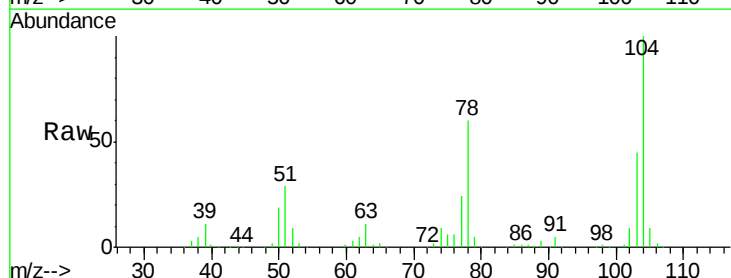


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

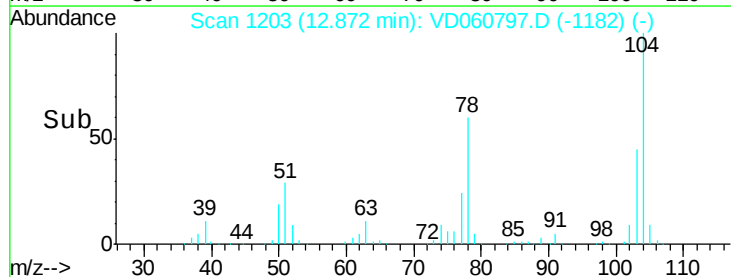
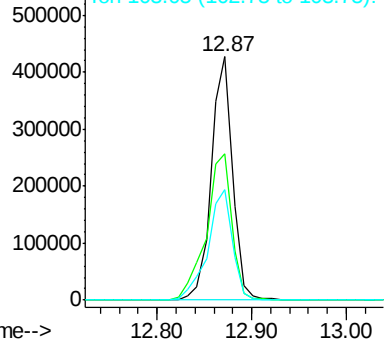


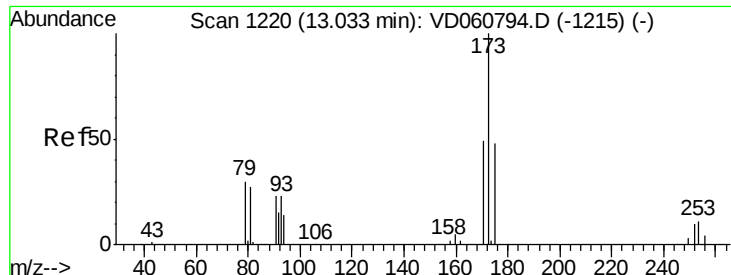
#70  
Styrene  
Concen: 42.969 ug/l  
RT: 12.87 min Scan# 1203  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion:104 Resp: 661403  
Ion Ratio Lower Upper  
104 100  
78 60.1 52.0 78.0  
103 45.1 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V





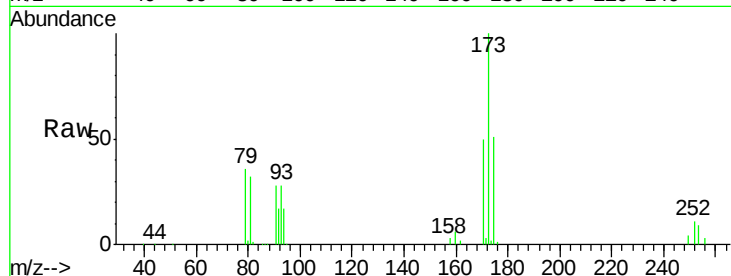
#71  
Bromoform  
Concen: 51.343 ug/l  
RT: 13.03 min Scan# 1219  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

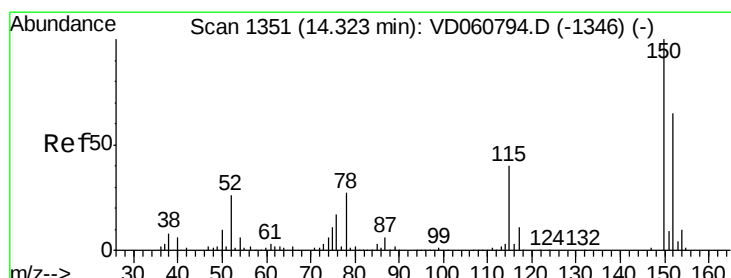
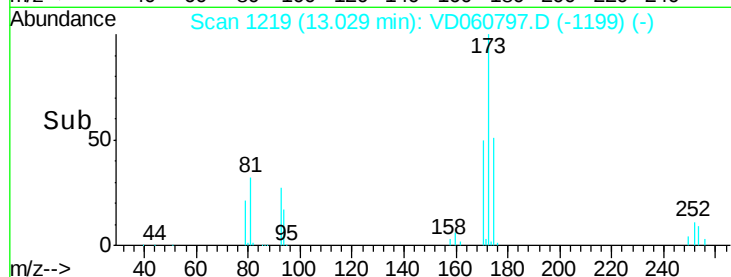
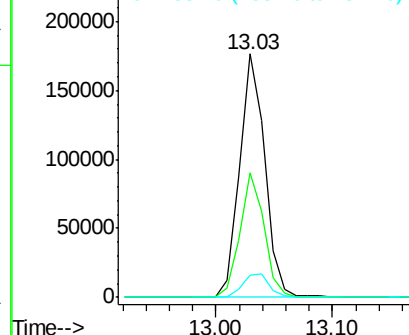
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 51.0  | 24.1  | 72.4  |
| 254     | 9.0   | 9.1   | 13.7# |

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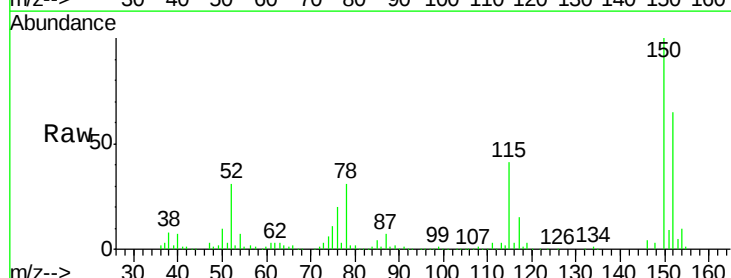


Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V

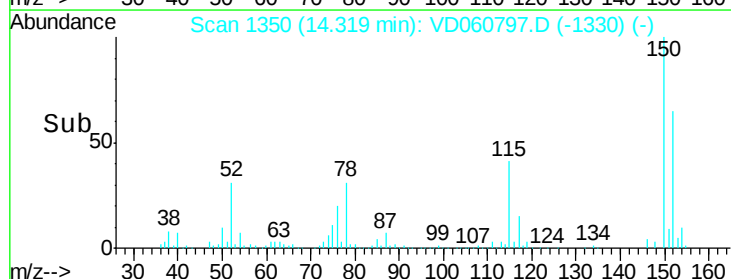
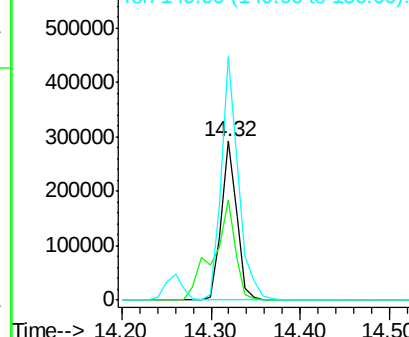


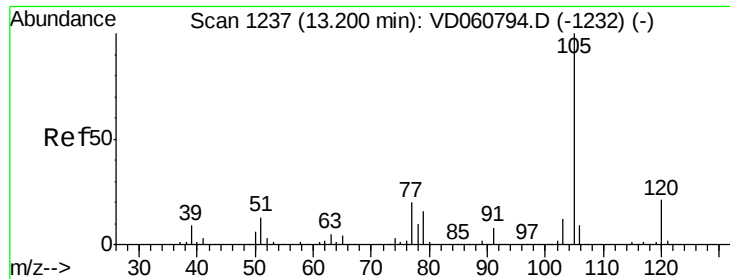
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.1  | 31.6  | 95.0  |
| 150     | 153.3 | 0.0   | 317.6 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





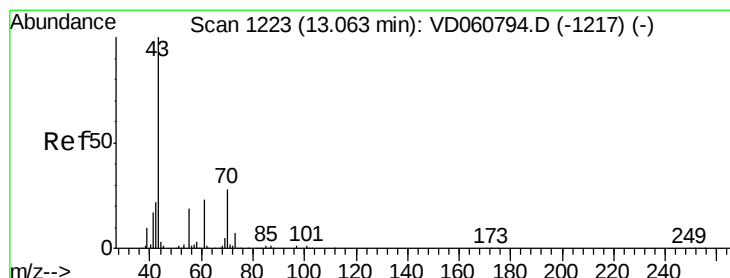
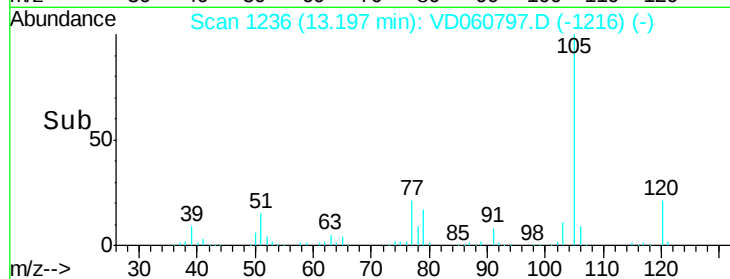
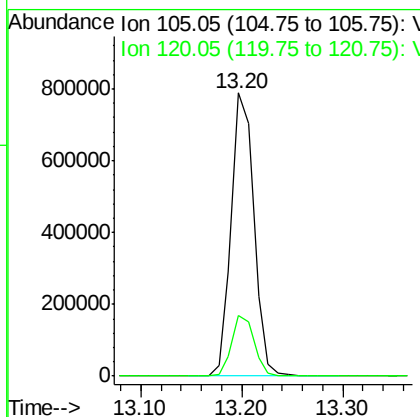
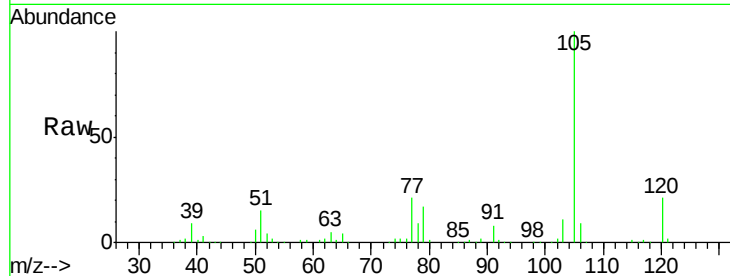
#73  
Isopropylbenzene  
Concen: 43.979 ug/l  
RT: 13.20 min Scan# 1236  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 105 Resp: 1234495  
Ion Ratio Lower Upper  
105 100  
120 21.4 10.7 32.1

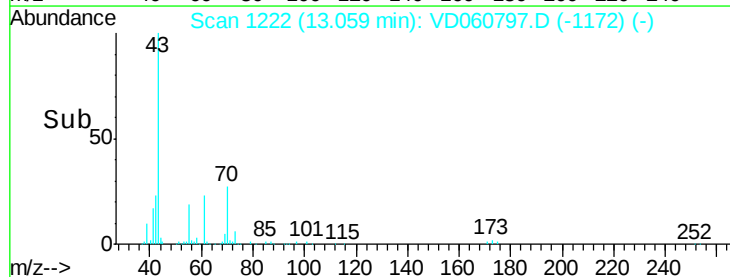
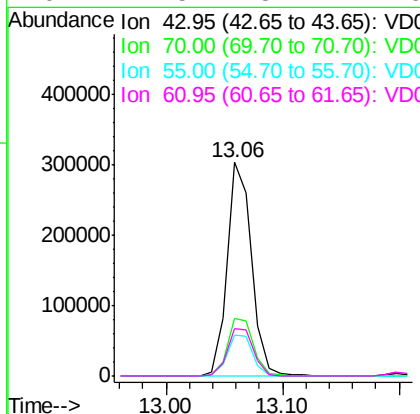
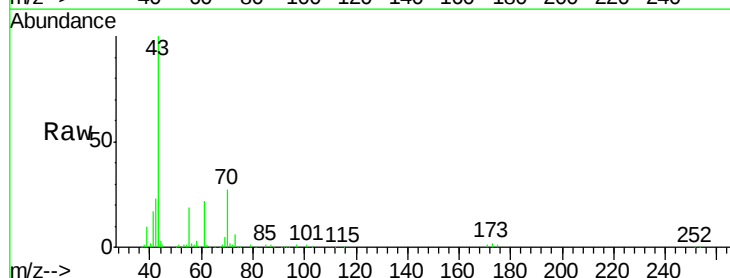
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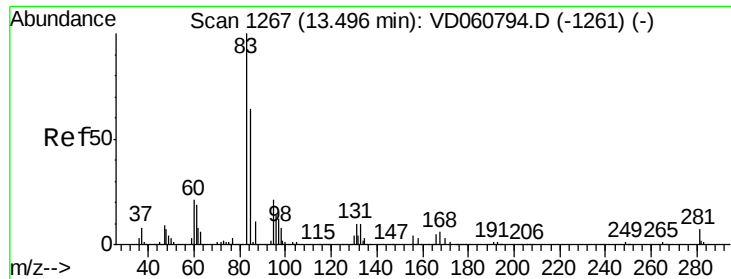
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#74  
N-ethyl acetate  
Concen: 50.710 ug/l  
RT: 13.06 min Scan# 1222  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 43 Resp: 437607  
Ion Ratio Lower Upper  
43 100  
70 27.1 22.2 33.4  
55 19.0 15.5 23.3  
61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.835 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

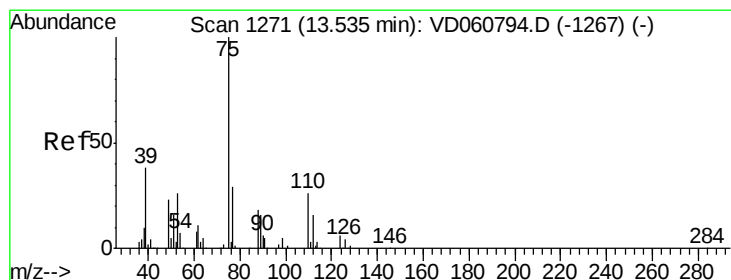
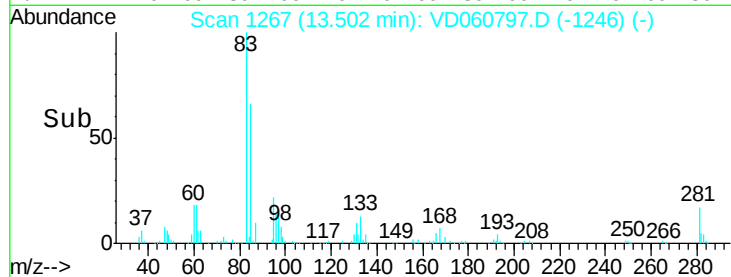
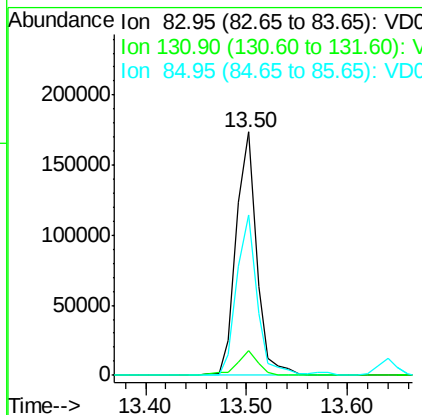
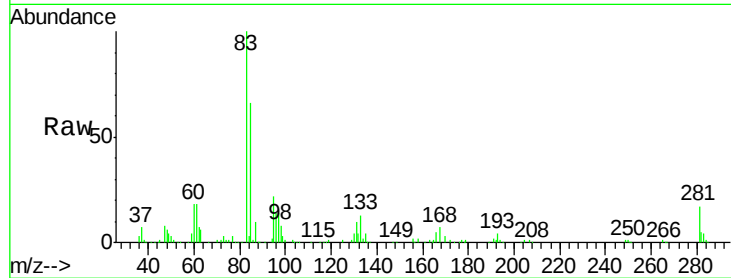
ClientSampleId :

ICVVD012819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 244491 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 9.9   | 5.0   | 15.0   |
| 85        | 65.7  | 31.8  | 95.4   |

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#76

1,2,3-Trichloropropane

Concen: 47.691 ug/l

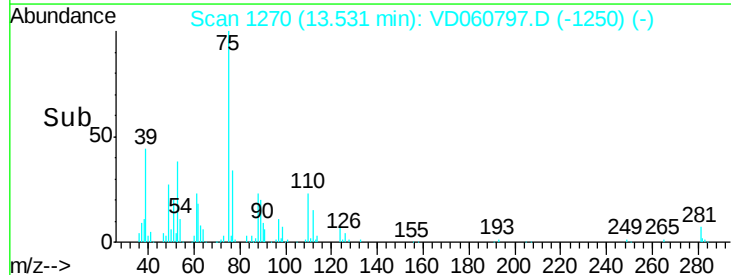
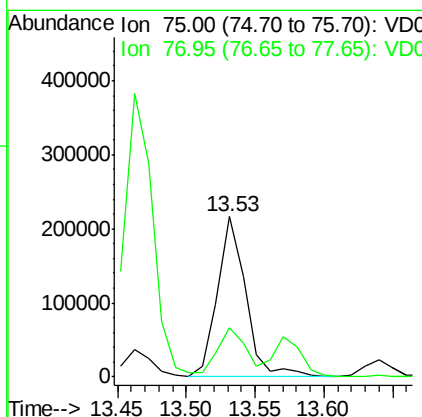
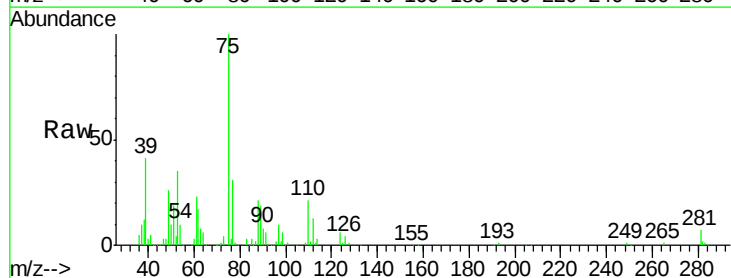
RT: 13.53 min Scan# 1270

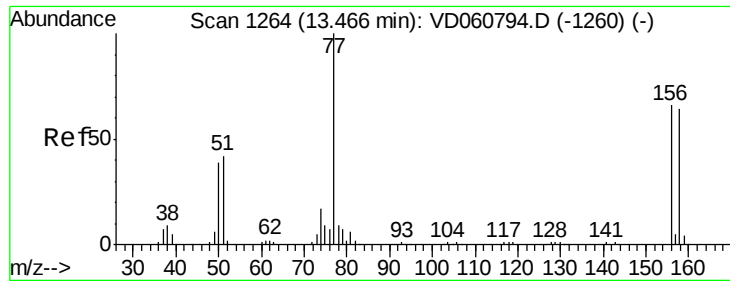
Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 307897 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 31.0  | 15.9  | 47.7   |





#77

Bromobenzene

Concen: 48.512 ug/l

RT: 13.47 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion:156 Resp: 350050

Ion Ratio Lower Upper

156 100

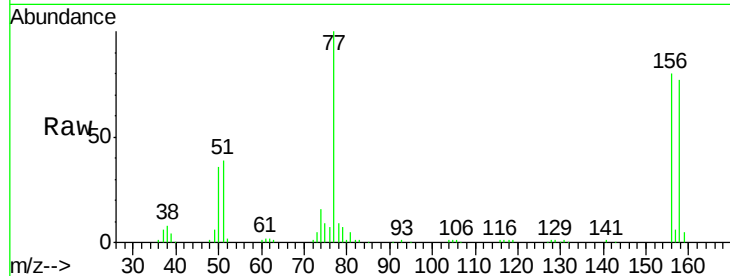
77 125.3 76.0 228.0

158 96.8 48.4 145.0

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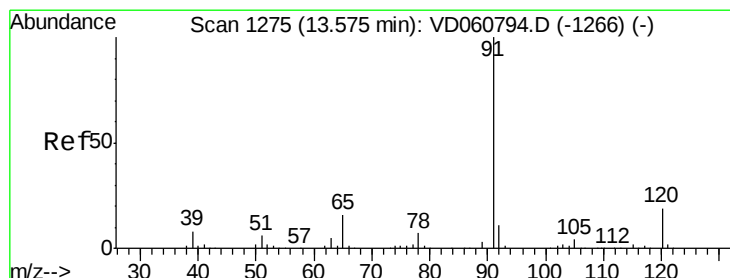
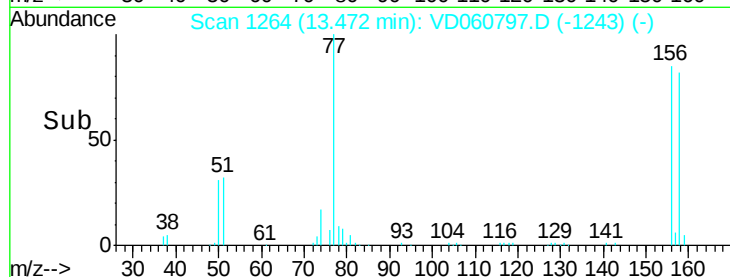
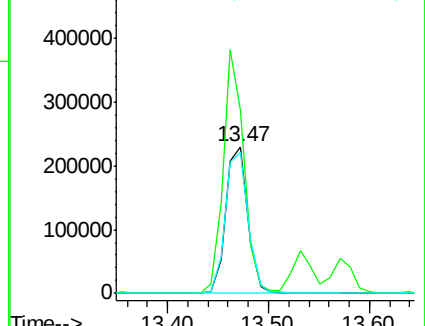
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.339 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD060797.D

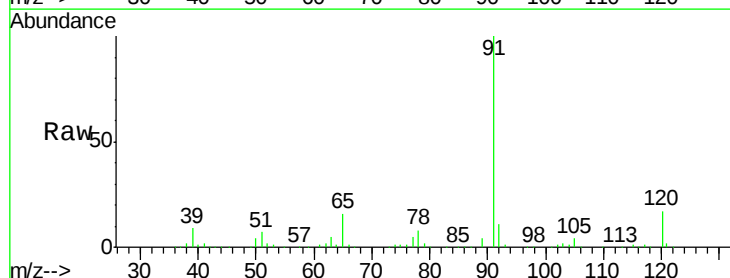
Acq: 28 Jan 2019 18:04

Tgt Ion: 91 Resp: 1597664

Ion Ratio Lower Upper

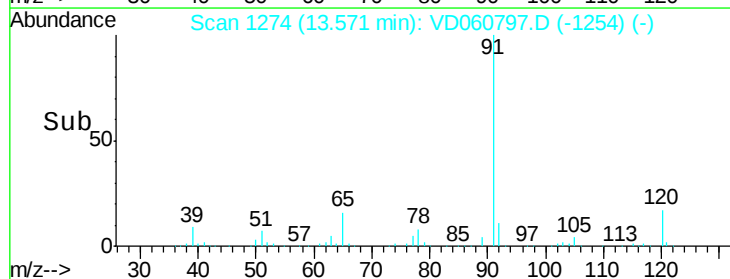
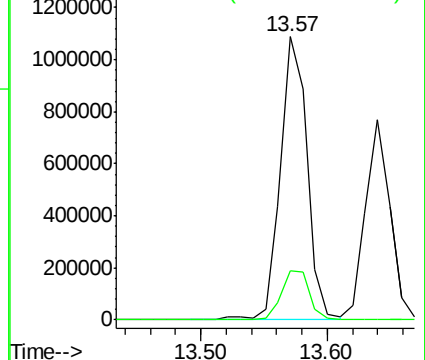
91 100

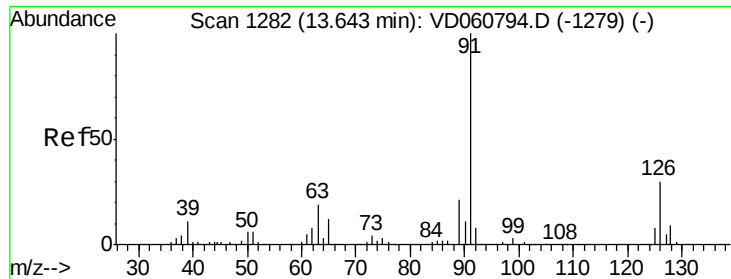
120 17.1 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.432 ug/l

RT: 13.64 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

ClientSampleId :

ICVVD012819

Tot Ion: 91 Resp: 1040946

Ion Ratio Lower Upper

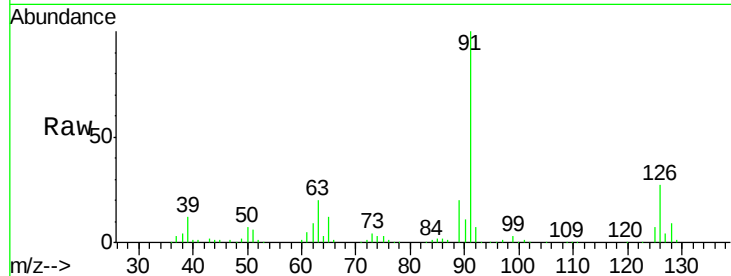
91 100

126 27.5 14.7 44.1

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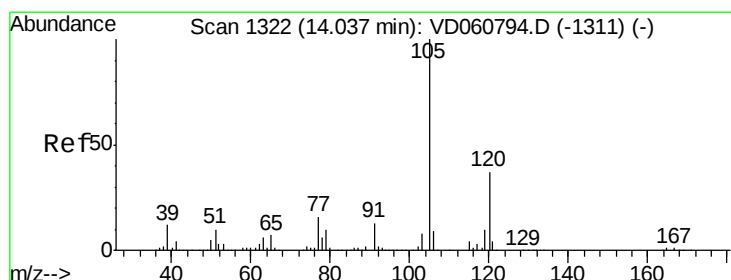
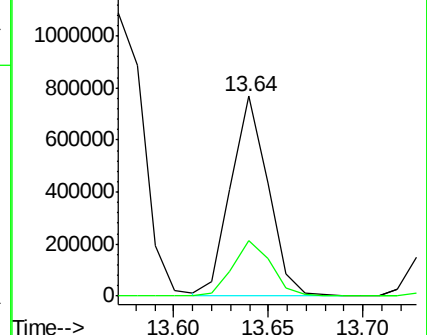
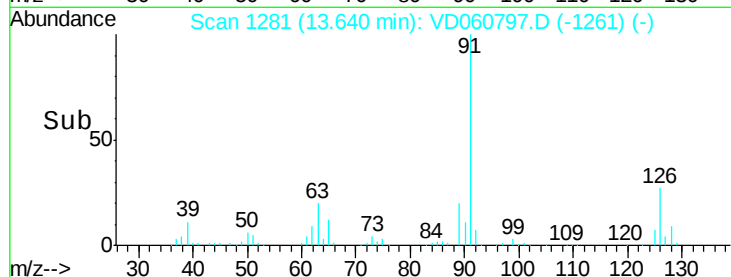
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Abundance Ion 91.00 (90.70 to 91.70): VD060797.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD060797.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.680 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VD060797.D

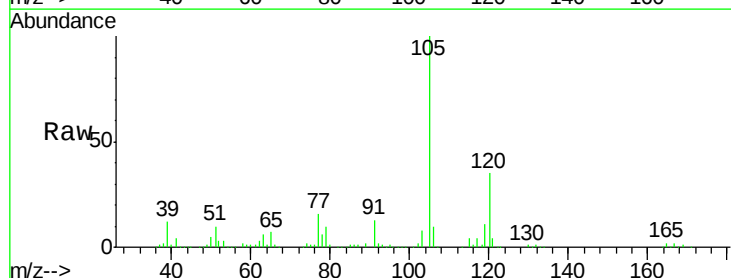
Acq: 28 Jan 2019 18:04

Tgt Ion:105 Resp: 1103885

Ion Ratio Lower Upper

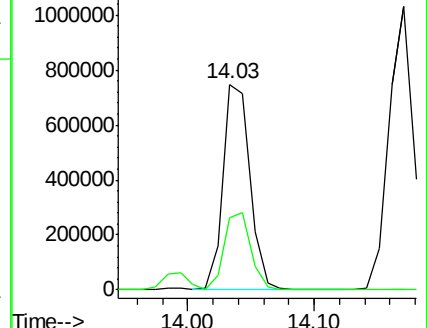
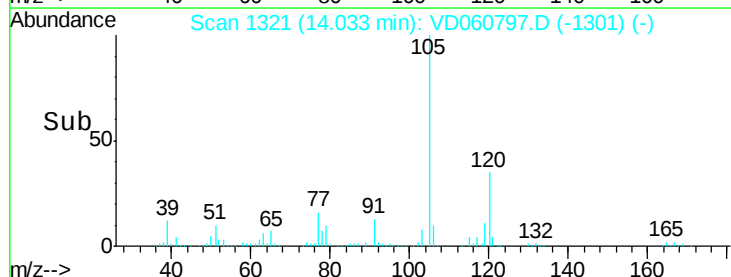
105 100

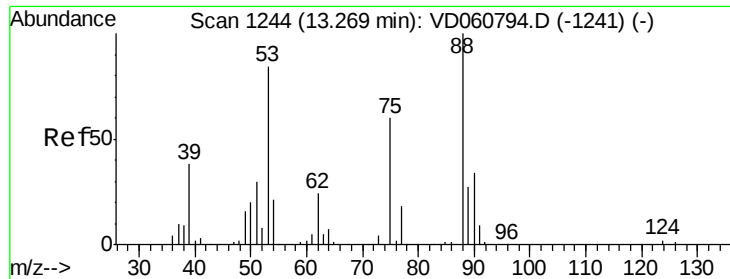
120 35.1 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): VD060797.D (-1301) (-)

Ion 120.05 (119.75 to 120.75): VD060797.D (-1301) (-)





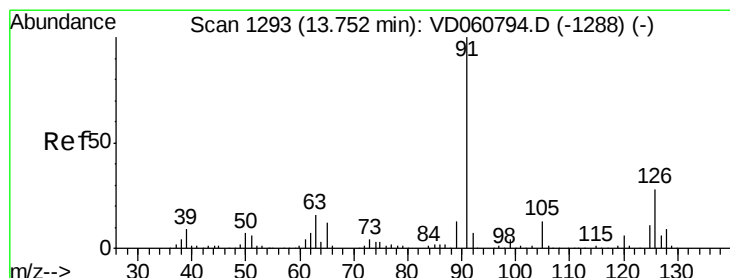
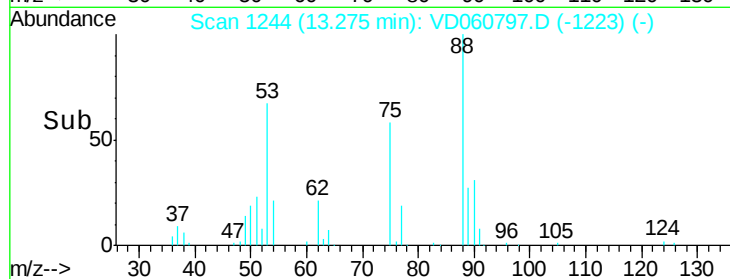
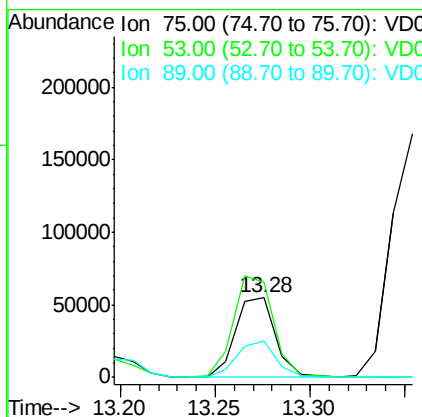
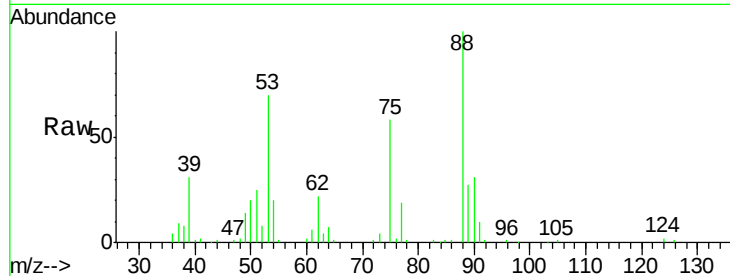
#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.102 ug/l  
RT: 13.28 min Scan# 1244  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 119.8 | 111.6 | 167.4 |
| 89      | 46.4  | 35.9  | 53.9  |

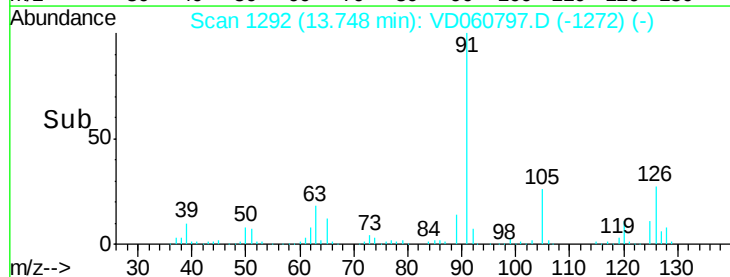
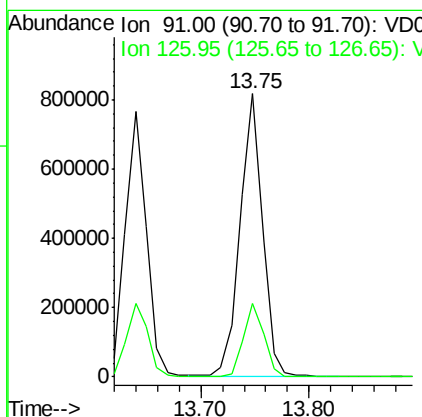
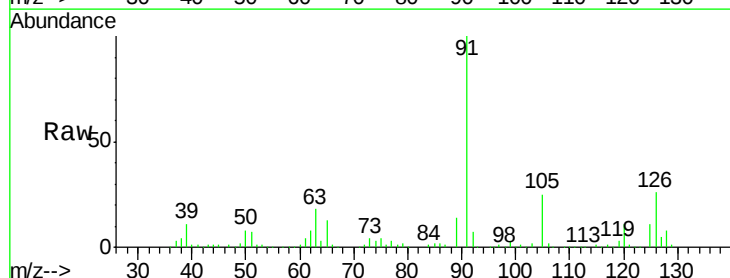
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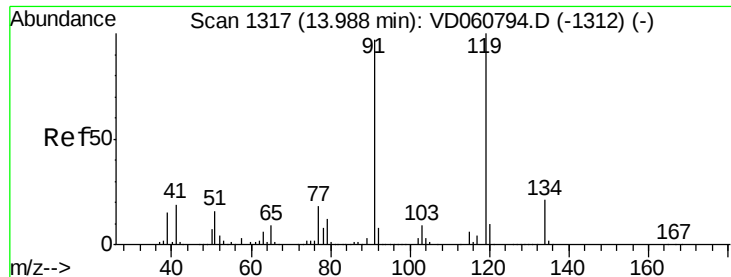
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1/29/2019 4:55:56 PM



#82  
4-Chlorotoluene  
Concen: 49.128 ug/l  
RT: 13.75 min Scan# 1292  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 25.9  | 13.9  | 41.7  |





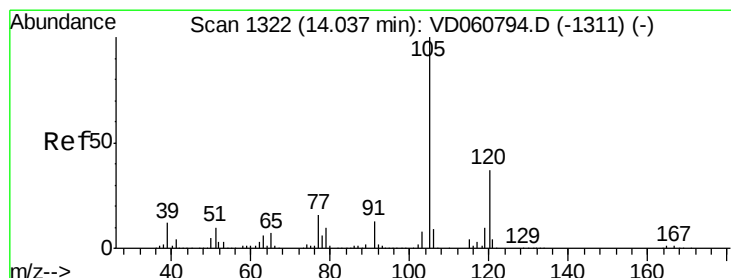
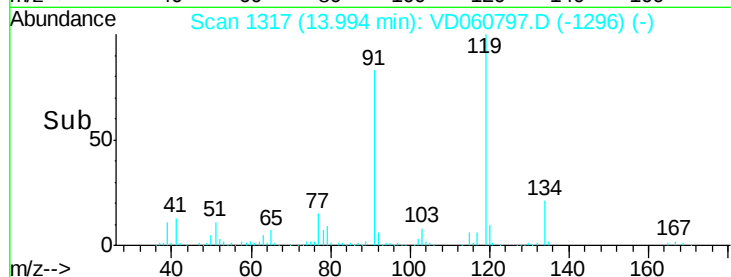
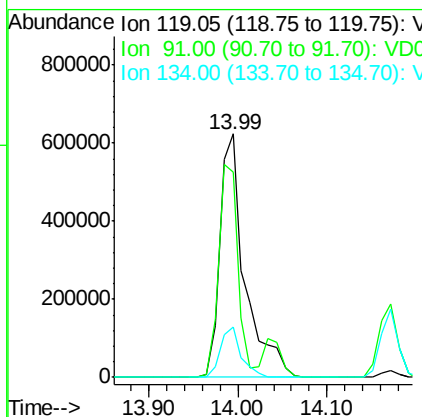
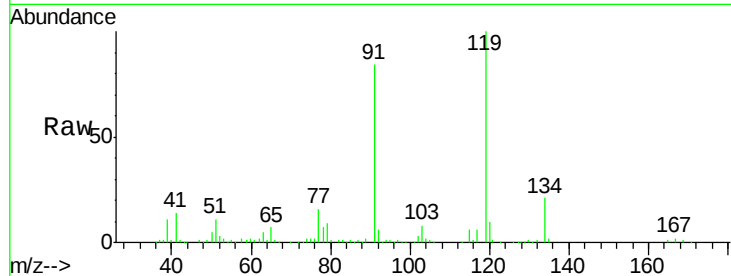
#83  
tert-Butylbenzene  
Concen: 48.364 ug/l  
RT: 13.99 min Scan# 1317  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion:119 Resp: 1222771  
Ion Ratio Lower Upper  
119 100  
91 84.2 48.5 145.5  
134 20.7 10.3 30.8

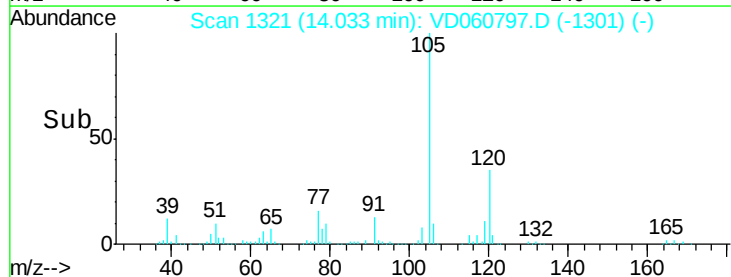
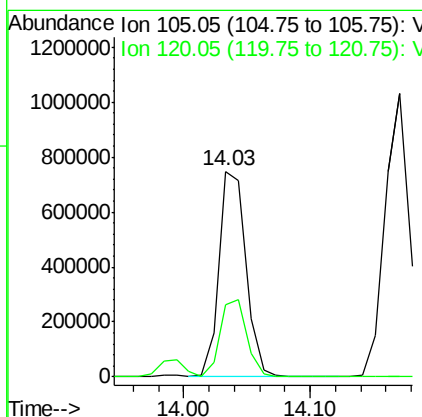
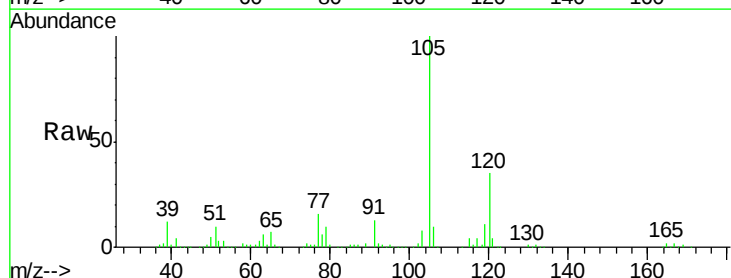
Manual Integrations  
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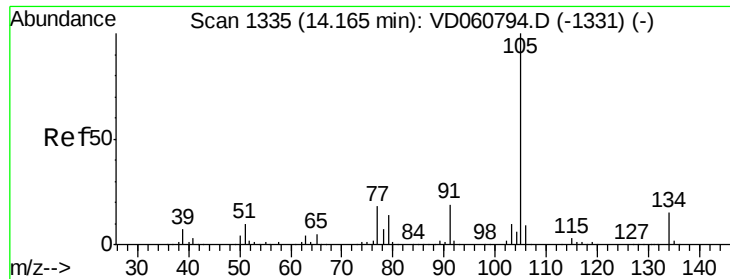
MMDadoda  
1/29/2019 4:55:56 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 45.680 ug/l  
RT: 14.03 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion:105 Resp: 1103885  
Ion Ratio Lower Upper  
105 100  
120 35.1 18.4 55.2





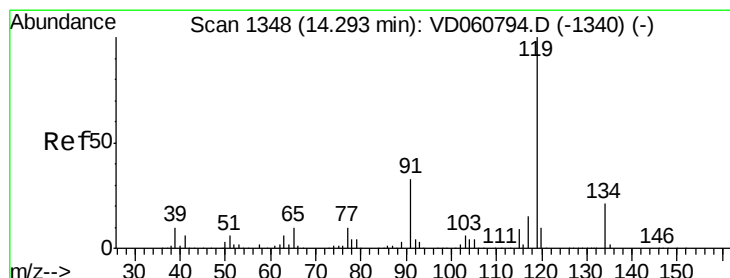
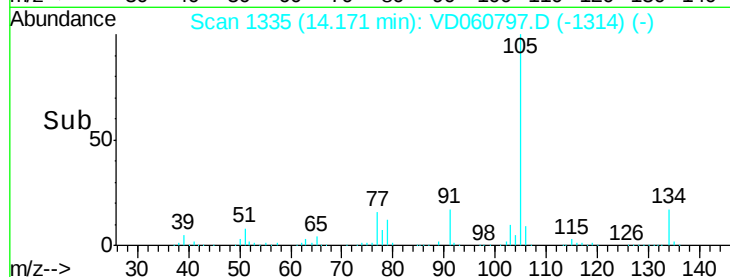
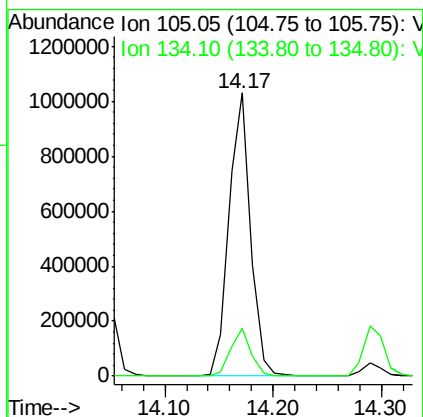
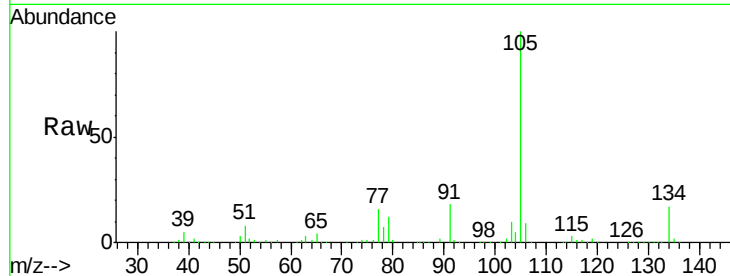
#85  
 sec-Butylbenzene  
 Concen: 49.224 ug/l  
 RT: 14.17 min Scan# 1335  
 Delta R.T. 0.01 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

Tot Ion:105 Resp: 1416637  
 Ion Ratio Lower Upper  
 105 100  
 134 16.8 7.4 22.2

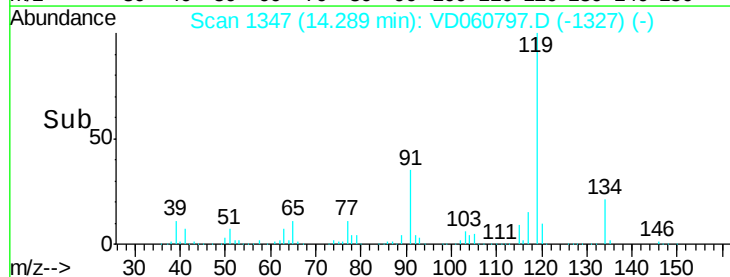
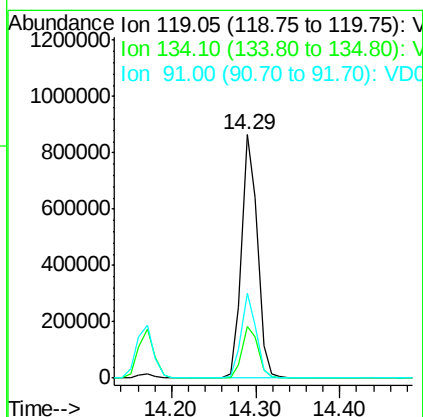
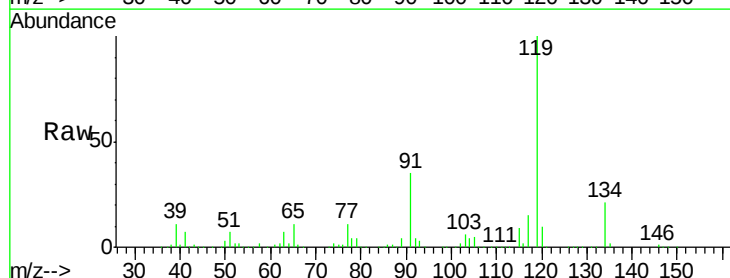
Manual Integrations  
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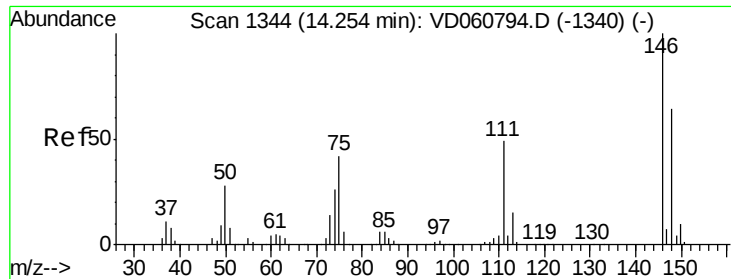
MMDadoda  
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#86  
 p-Isopropyltoluene  
 Concen: 48.570 ug/l  
 RT: 14.29 min Scan# 1347  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Tgt Ion:119 Resp: 1134870  
 Ion Ratio Lower Upper  
 119 100  
 134 21.3 10.8 32.3  
 91 34.7 16.7 50.0





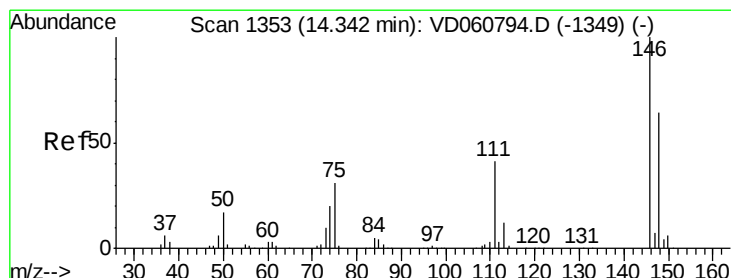
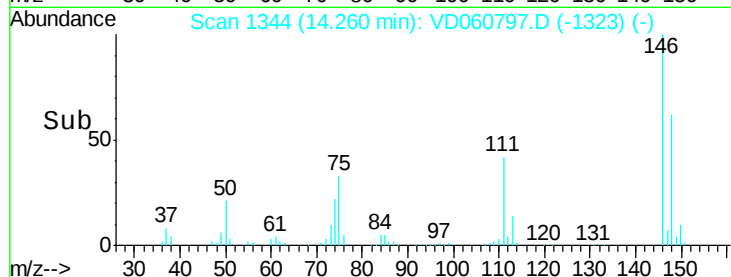
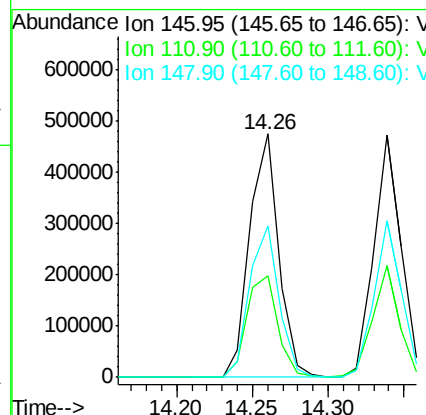
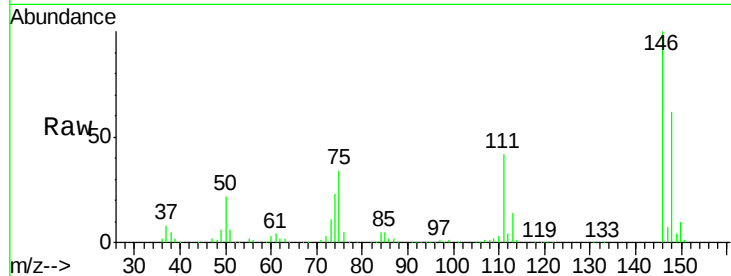
#87  
 1,3-Dichlorobenzene  
 Concen: 49.292 ug/l  
 RT: 14.26 min Scan# 1344  
 Delta R.T. 0.01 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 24.3  | 73.0  |
| 148     | 62.3  | 32.1  | 96.5  |

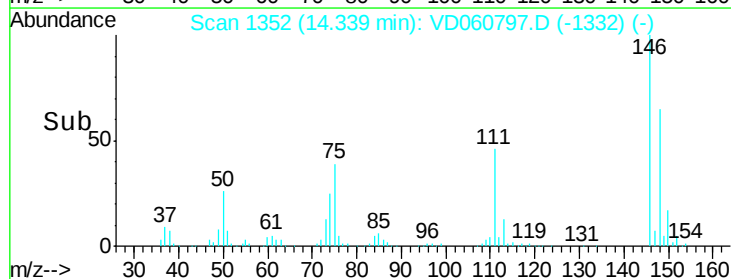
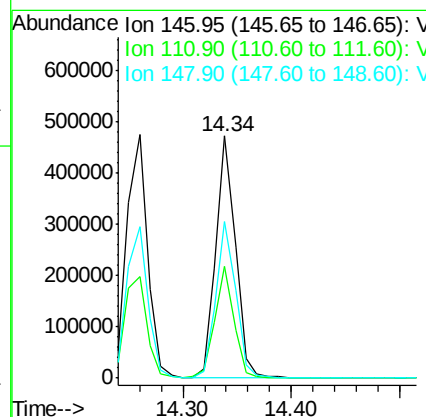
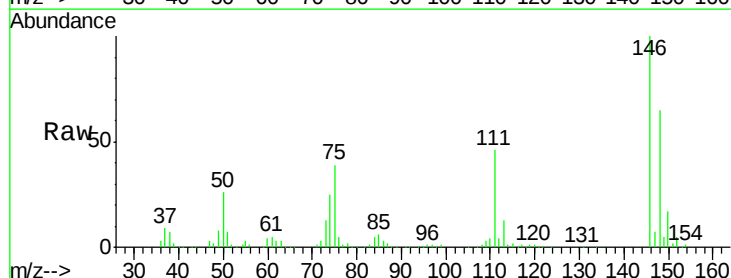
Manual Integrations  
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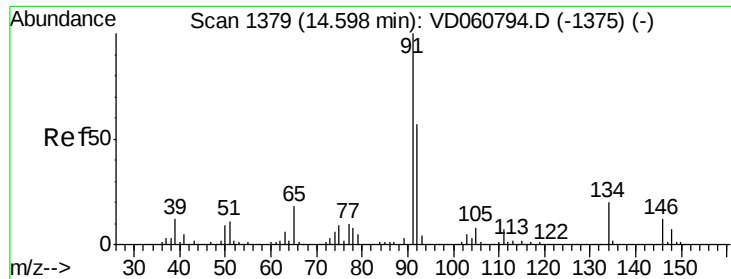
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#88  
 1,4-Dichlorobenzene  
 Concen: 47.784 ug/l  
 RT: 14.34 min Scan# 1352  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 46.2  | 20.6  | 61.8  |
| 148     | 64.7  | 31.9  | 95.7  |





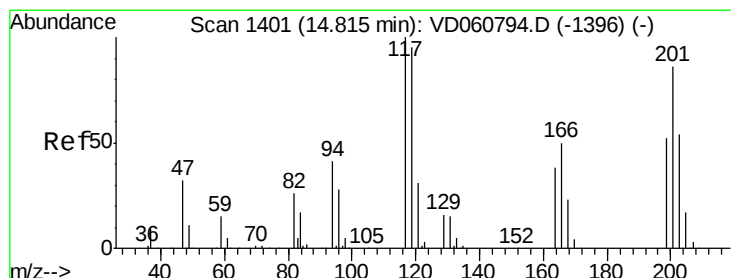
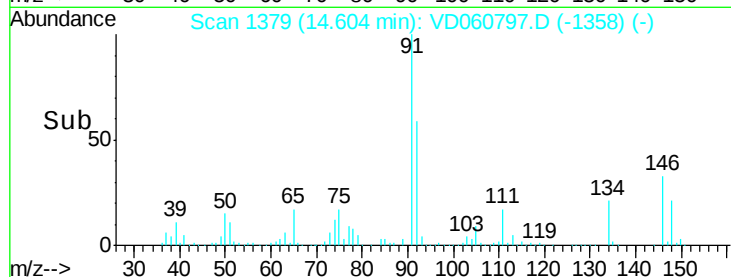
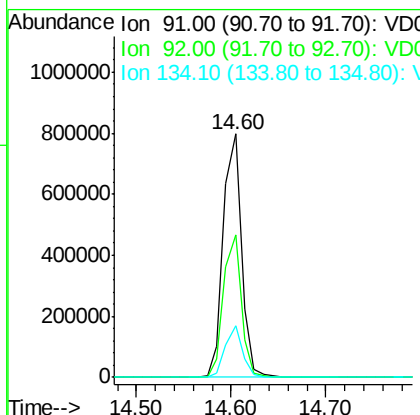
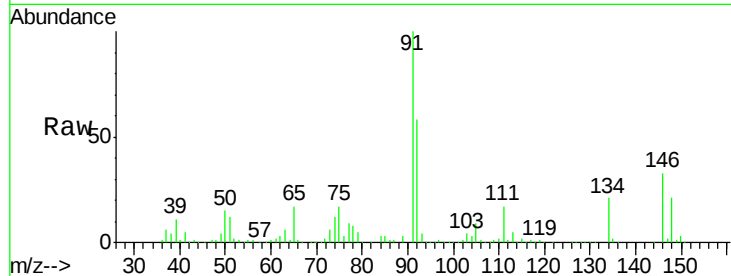
#89  
n-Butylbenzene  
Concen: 43.852 ug/l  
RT: 14.60 min Scan# 1379  
Delta R.T. 0.01 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Instrument :  
MSVOA\_D  
ClientSampleId :  
ICVVD012819

Tot Ion: 91 Resp: 1069053  
Ion Ratio Lower Upper  
91 100  
92 58.5 28.5 85.5  
134 21.3 10.0 29.8

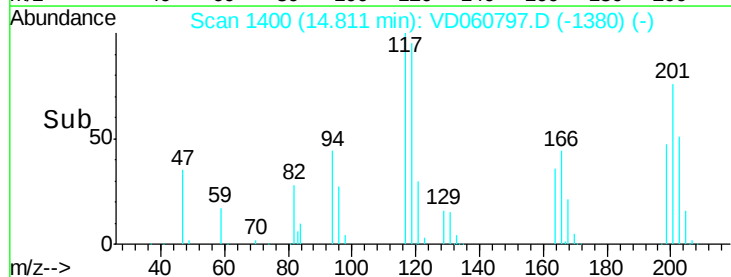
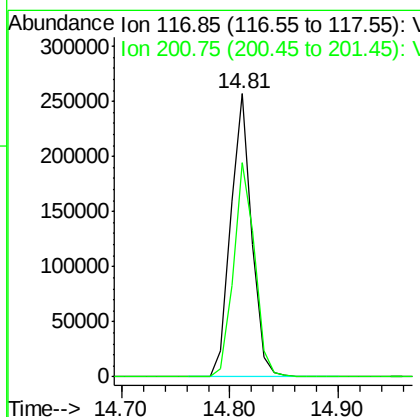
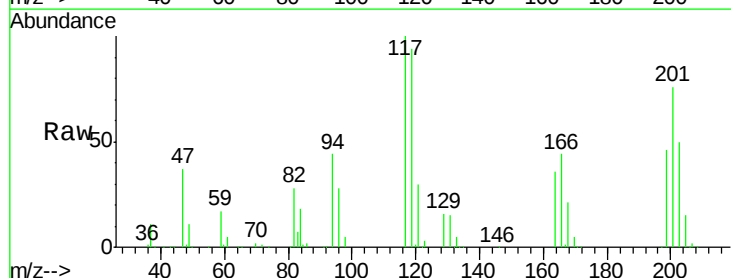
Manual Integrations  
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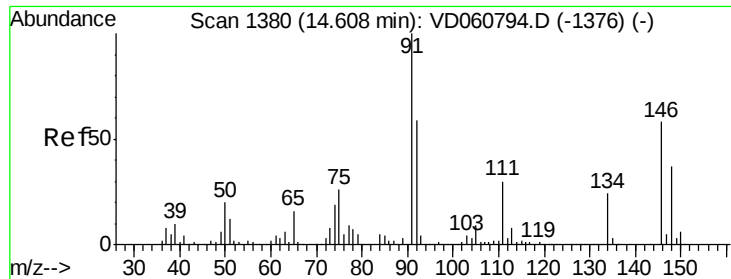
MMDadoda  
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#90  
Hexachloroethane  
Concen: 49.709 ug/l  
RT: 14.81 min Scan# 1400  
Delta R.T. -0.00 min  
Lab File: VD060797.D  
Acq: 28 Jan 2019 18:04

Tgt Ion: 117 Resp: 345636  
Ion Ratio Lower Upper  
117 100  
201 75.7 43.0 128.8





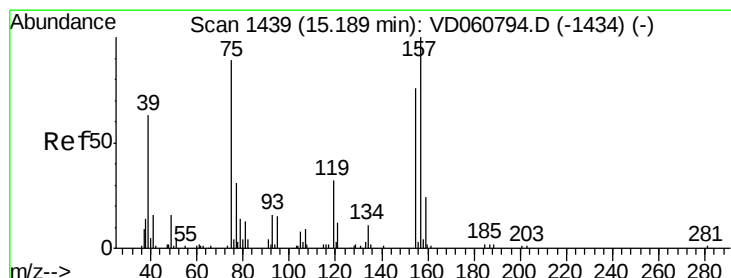
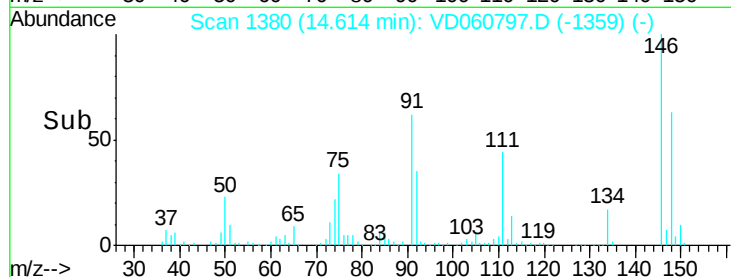
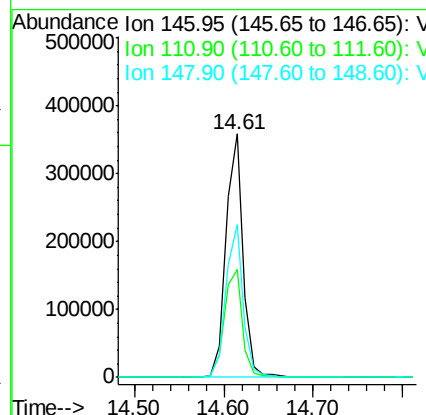
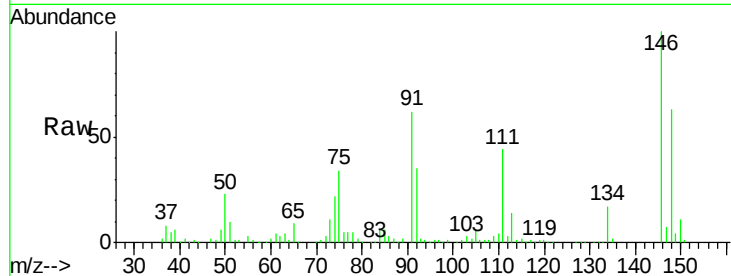
#91  
 1,2-Dichlorobenzene  
 Concen: 45.029 ug/l  
 RT: 14.61 min Scan# 1380  
 Delta R.T. 0.01 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 44.2  | 25.6  | 76.8  |
| 148     | 63.0  | 31.4  | 94.3  |

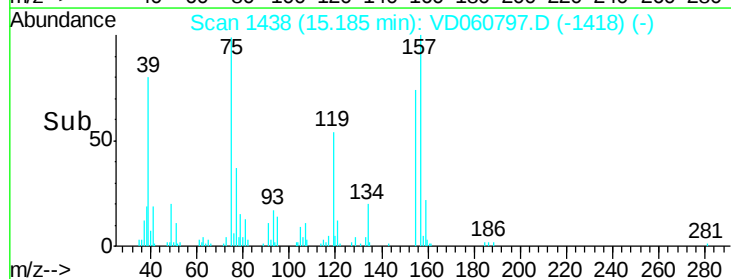
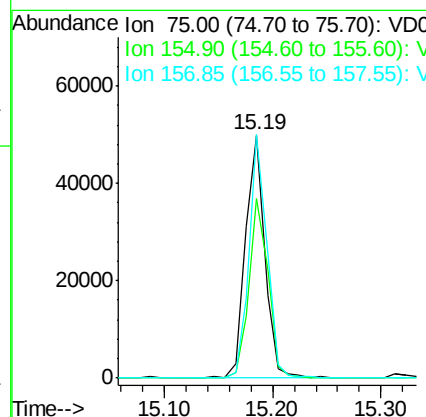
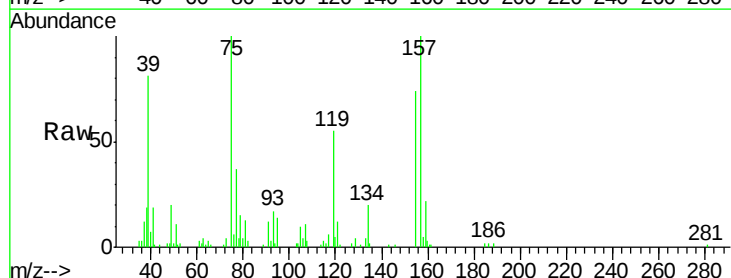
Manual Integrations  
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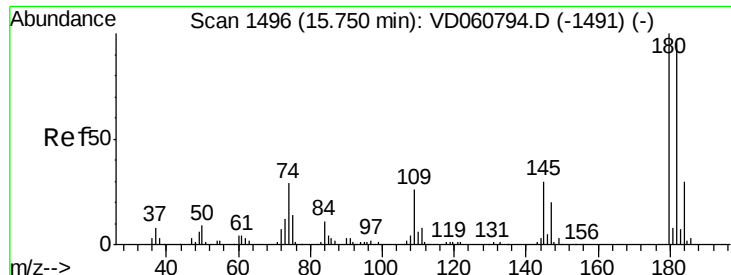
MMDadoda  
 1/29/2019 4:55:56 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.775 ug/l  
 RT: 15.19 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 73.9  | 43.0  | 129.0 |
| 157     | 100.3 | 56.3  | 168.9 |





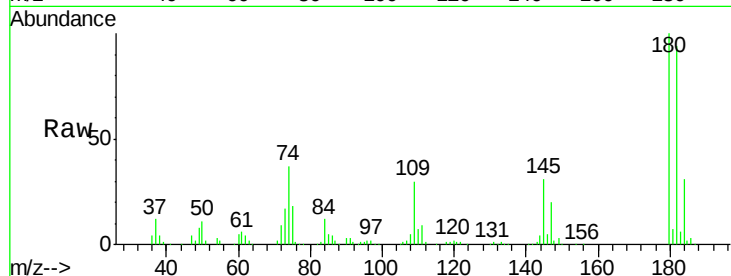
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.002 ug/l  
 RT: 15.75 min Scan# 1495  
 Delta R.T. -0.00 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 ICVVD012819

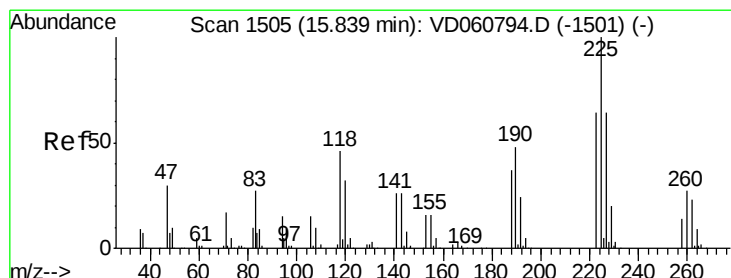
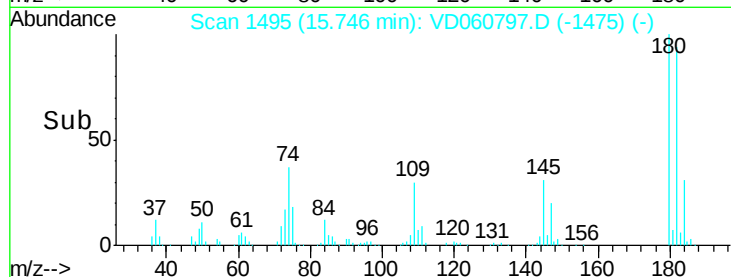
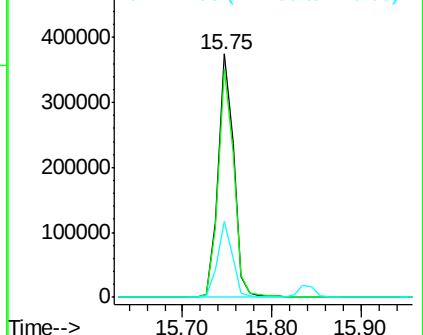
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.7  | 47.9  | 143.7 |
| 145     | 31.2  | 15.0  | 45.1  |

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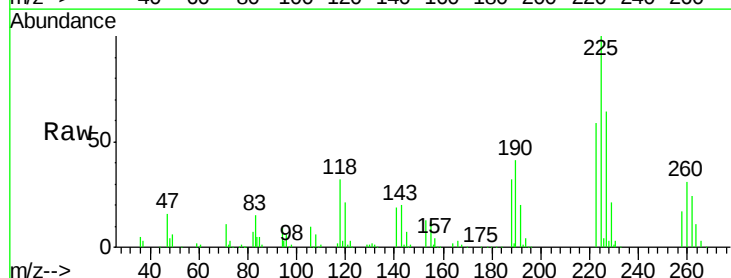


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

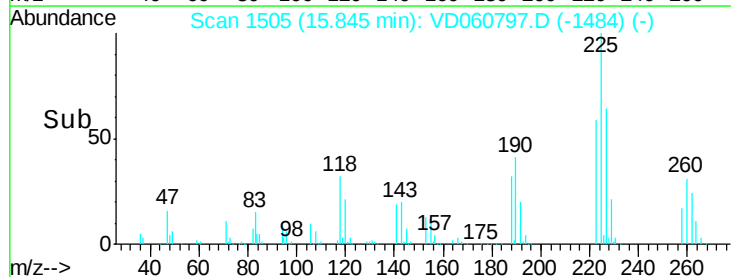
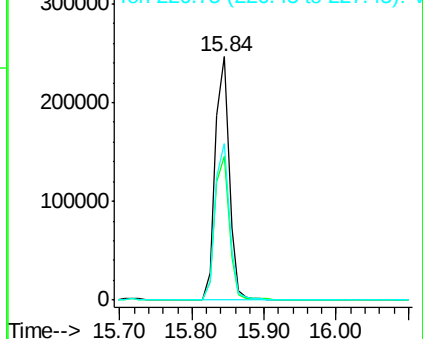


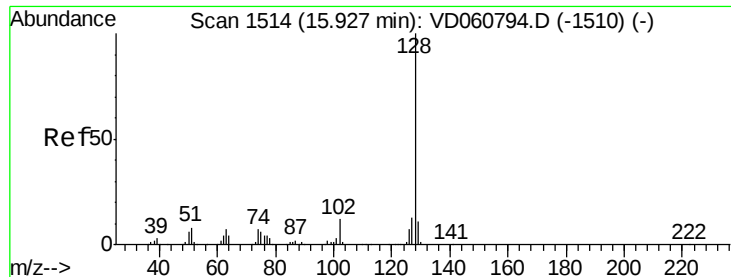
#94  
 Hexachlorobutadiene  
 Concen: 47.459 ug/l  
 RT: 15.84 min Scan# 1505  
 Delta R.T. 0.01 min  
 Lab File: VD060797.D  
 Acq: 28 Jan 2019 18:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 59.0  | 31.8  | 95.4  |
| 227     | 64.1  | 31.9  | 95.5  |



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 50.928 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

Instrument :

MSVOA\_D

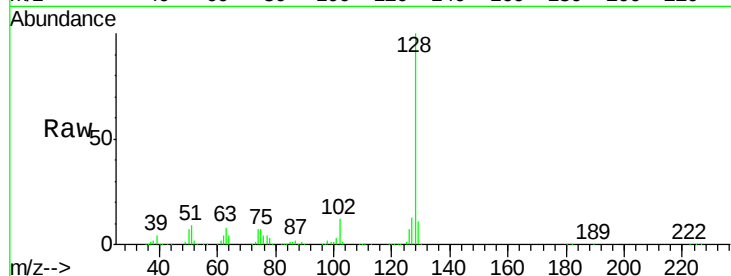
ClientSampleId :

ICVVD012819

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 725820 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.4  | 15.6   |
| 129       | 10.9  | 8.7   | 13.1   |

Manual Integrations  
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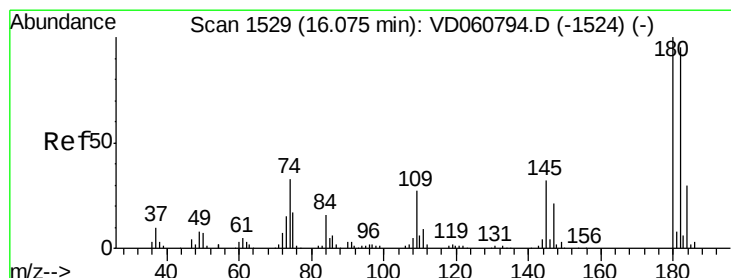
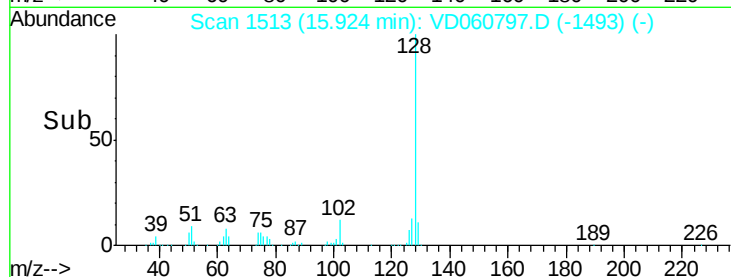
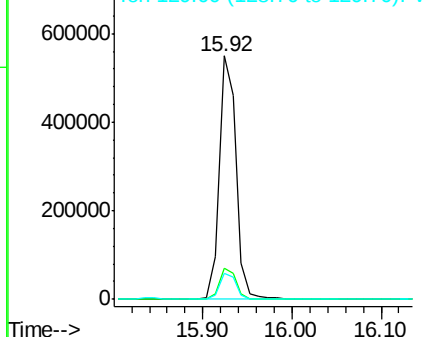
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.231 ug/l

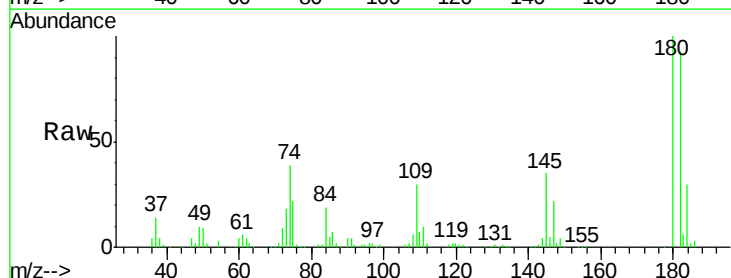
RT: 16.07 min Scan# 1528

Delta R.T. -0.00 min

Lab File: VD060797.D

Acq: 28 Jan 2019 18:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 380958 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.3  | 47.4  | 142.3  |
| 145       | 35.2  | 15.8  | 47.4   |



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

