

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121018\  
 Data File : VD060517.D  
 Acq On : 10 Dec 2018 11:36  
 Operator : VA/AP  
 Sample : VD1210SBS01  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2018 4:15:07 PM

Quant Time: Dec 11 06:59:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.41  | 168  | 1556257  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.45  | 114  | 2246026  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.29 | 117  | 1752300  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152  | 863943   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.79   | 65  | 592319   | 53.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 107.40% |      |
| 35) Dibromofluoromethane  | 6.33   | 113 | 853796   | 51.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.50% |      |
| 50) Toluene-d8            | 9.45   | 98  | 2451450  | 51.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.70% |      |
| 62) 4-Bromofluorobenzene  | 12.43  | 95  | 855423   | 50.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.16% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.60 | 85  | 464647  | 28.562  | ug/l   | 96     |
| 3) Chloromethane              | 1.78 | 50  | 401968  | 25.139  | ug/l   | 95     |
| 4) Vinyl Chloride             | 1.87 | 62  | 330369  | 25.888  | ug/l   | 96     |
| 5) Bromomethane               | 2.16 | 94  | 62357   | 19.532  | ug/l   | 100    |
| 6) Chloroethane               | 2.27 | 64  | 80409   | 18.127  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.53 | 101 | 327710  | 22.240  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.84 | 74  | 54909   | 21.574  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.11 | 101 | 220706  | 23.085  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.25 | 142 | 247334  | 22.132  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 3.97 | 59  | 44076   | 98.352  | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 3.09 | 96  | 179877  | 23.124  | ug/l   | 98     |
| 13) Acrolein                  | 3.00 | 56  | 52356   | 106.919 | ug/l   | 93     |
| 14) Allyl chloride            | 3.55 | 41  | 338469  | 22.934  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.10 | 53  | 293592  | 115.378 | ug/l   | 98     |
| 16) Acetone                   | 3.17 | 43  | 189529  | 107.192 | ug/l   | 98     |
| 17) Carbon Disulfide          | 3.32 | 76  | 597253  | 23.637  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.57 | 43  | 96894   | 23.058  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 4.13 | 73  | 494256  | 22.912  | ug/l   | 98     |
| 20) Methylene Chloride        | 3.73 | 84  | 412794  | 23.012  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 4.11 | 96  | 399600  | 23.616  | ug/l   | 99     |
| 22) Diisopropyl ether         | 4.86 | 45  | 1244489 | 23.486  | ug/l   | 97     |
| 23) Vinyl Acetate             | 4.81 | 43  | 3049590 | 116.159 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.76 | 63  | 648438  | 23.556  | ug/l   | 99     |
| 25) 2-Butanone                | 5.63 | 43  | 383168  | 110.149 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 5.59 | 77  | 525094  | 24.692  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 5.60 | 96  | 406625  | 23.635  | ug/l   | 96     |
| 28) Bromochloromethane        | 5.93 | 49  | 262023  | 21.487  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 5.96 | 42  | 225453  | 114.451 | ug/l   | 99     |
| 30) Chloroform                | 6.11 | 83  | 642642  | 23.172  | ug/l   | 98     |
| 31) Cyclohexane               | 6.37 | 56  | 604892  | 23.680  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.30 | 97  | 534920  | 23.462  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 6.52 | 75  | 490534  | 22.343  | ug/l   | 97     |
| 37) Ethyl Acetate             | 5.71 | 43  | 220176  | 23.125  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 6.50 | 117 | 455376  | 23.104  | ug/l   | 97     |

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 Operator : VA/AP  
 Sample : VD1210SBS01  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1210SBS01

Manual Integrations  
 APPROVED

MMDadoda  
 12/11/2018 4:15:07 PM

Quant Time: Dec 11 06:59:53 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 06 01:49:20 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.04  | 83   | 575688   | 23.002  | ug/l   | 98       |
| 40) Benzene                    | 6.80  | 78   | 1284134  | 22.886  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.94  | 41   | 129914m  | 25.311  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 6.90  | 62   | 316251   | 22.168  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.34  | 43   | 257610   | 21.918  | ug/l # | 95       |
| 44) Trichloroethene            | 7.74  | 130  | 390098   | 23.264  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.11  | 63   | 317374   | 22.870  | ug/l   | 98       |
| 46) Dibromomethane             | 8.21  | 93   | 179184   | 22.348  | ug/l   | 98       |
| 47) Bromodichloromethane       | 8.49  | 83   | 432548   | 22.737  | ug/l   | 97       |
| 48) Methyl methacrylate        | 8.24  | 41   | 163314   | 23.483  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.22  | 88   | 29825    | 473.188 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.34  | 43   | 816899   | 111.734 | ug/l   | 99       |
| 52) Toluene                    | 9.54  | 92   | 785504   | 22.399  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.92  | 75   | 351684   | 22.498  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.10  | 75   | 464599   | 22.621  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.18 | 97   | 218282   | 22.351  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.03 | 69   | 195717   | 22.143  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.38 | 76   | 330411   | 21.886  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.92  | 63   | 574074   | 108.551 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.49 | 43   | 570309   | 111.600 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.64 | 129  | 274711   | 22.498  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.75 | 107  | 214743   | 21.576  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.25 | 164  | 358057   | 23.076  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.31 | 112  | 860432   | 23.210  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.41 | 131  | 270741   | 22.659  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.42 | 91   | 1434376  | 22.684  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.56 | 106  | 1103234  | 47.161  | ug/l   | 95       |
| 69) o-Xylene                   | 11.93 | 106  | 512376   | 22.983  | ug/l   | 95       |
| 70) Styrene                    | 11.95 | 104  | 833903   | 23.304  | ug/l   | 99       |
| 71) Bromoform                  | 12.11 | 173  | 174522   | 21.893  | ug/l   | 98       |
| 73) Isopropylbenzene           | 12.27 | 105  | 1420000  | 23.227  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.13 | 43   | 331455   | 22.433  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 214803   | 21.947  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.59 | 75   | 217204   | 22.189  | ug/l   | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 367456   | 22.866  | ug/l   | 93       |
| 78) n-propylbenzene            | 12.63 | 91   | 1805128  | 23.358  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.70 | 91   | 973580   | 23.216  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.79 | 105  | 1130625  | 24.203  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.34 | 75   | 59736    | 21.880  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.81 | 91   | 1108352  | 23.532  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.05 | 119  | 1234313  | 23.565  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 13.10 | 105  | 1153613  | 23.849  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 1562901  | 23.940  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 13.34 | 119  | 1211575  | 23.412  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 666943   | 22.922  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.39 | 146  | 660175   | 23.129  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.65 | 91   | 1255031  | 21.942  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.85 | 117  | 302168   | 23.288  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 544931   | 22.918  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.23 | 75   | 26086    | 21.996  | ug/l   | 63       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121018\  
Data File : VD060517.D  
Acq On : 10 Dec 2018 11:36  
Operator : VA/AP  
Sample : VD1210SBS01  
Misc : 5.00g/5ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Manual Integrations  
APPROVED

MMDadoda  
12/11/2018 4:15:07 PM

Quant Time: Dec 11 06:59:53 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.79 | 180  | 422808   | 22.746 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 311786   | 22.734 | ug/l  | 99       |
| 95) Naphthalene            | 14.97 | 128  | 498119   | 22.526 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 330698   | 22.328 | ug/l  | 98       |

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

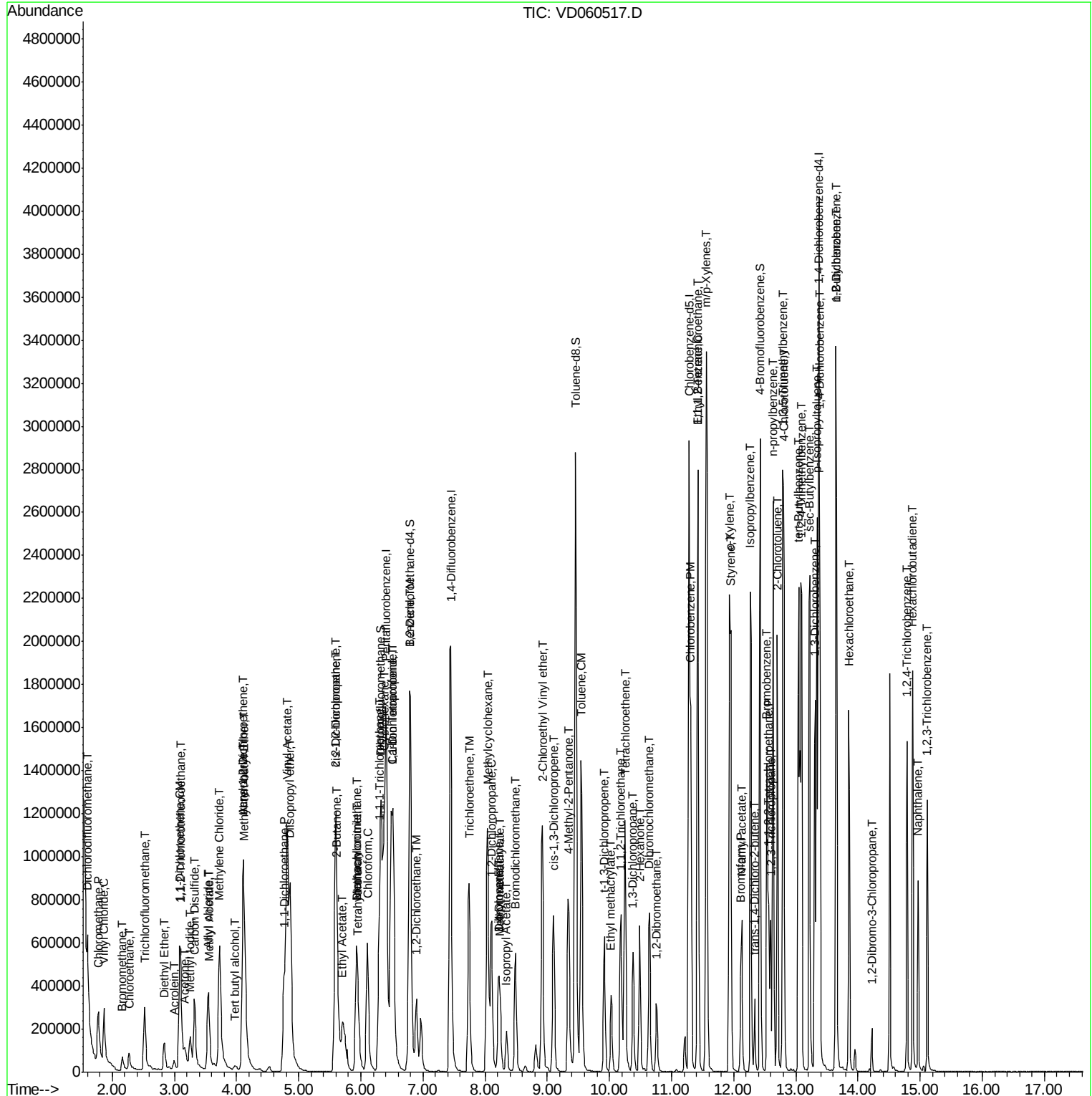
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Data File : VD060517.D  
Acq On : 10 Dec 2018 11:36  
Operator : VA/AP  
Sample : VD1210SBS01  
Misc : 5.00g/5ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

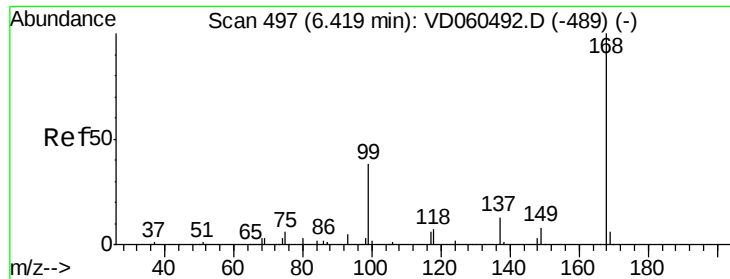
Instrument :  
MSVOA\_D  
ClientSampleID :  
VD1210SBS01

Manual Integrations  
APPROVED

MMDadoda  
12/11/2018 4:15:07 PM

Quant Time: Dec 11 06:59:53 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D120518S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 06 01:49:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion:168 Resp: 1556257

Ion Ratio Lower Upper

168 100

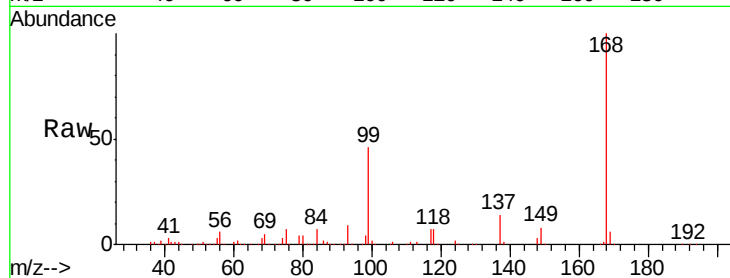
99 45.6 35.6 53.4

Manual Integrations

APPROVED

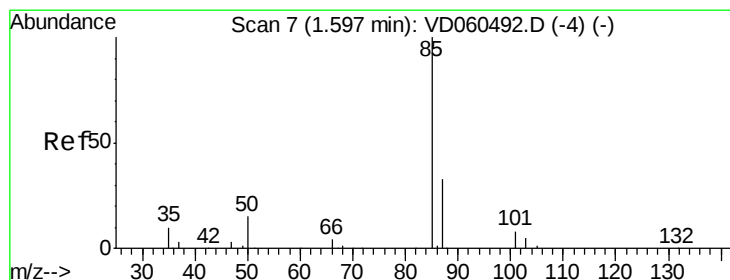
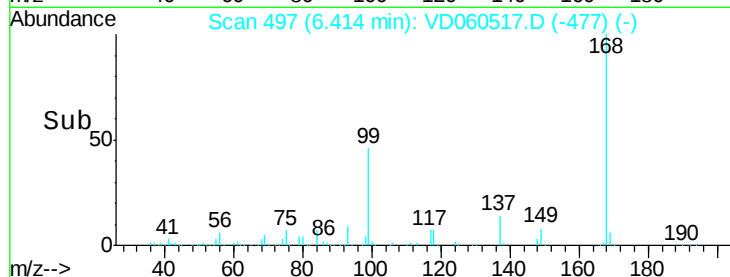
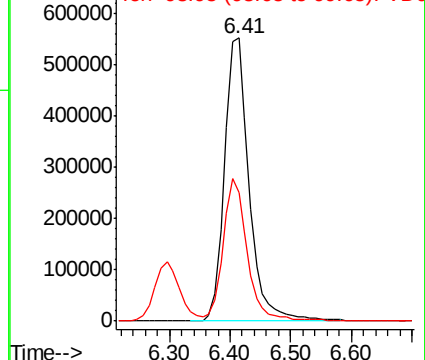
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 28.562 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060517.D

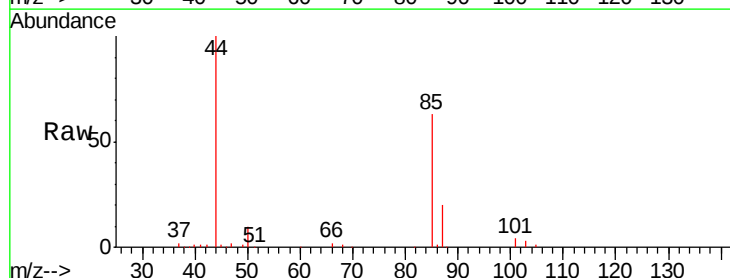
Acq: 10 Dec 2018 11:36

Tgt Ion: 85 Resp: 464647

Ion Ratio Lower Upper

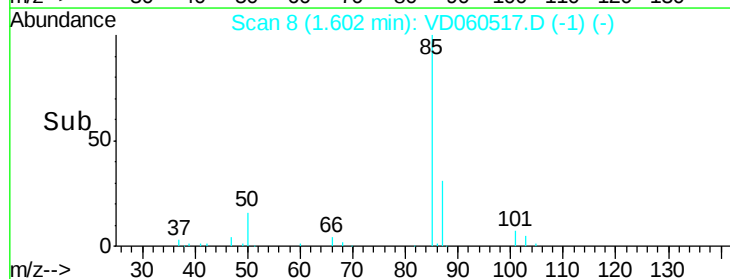
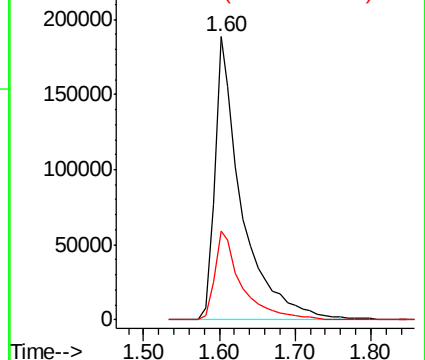
85 100

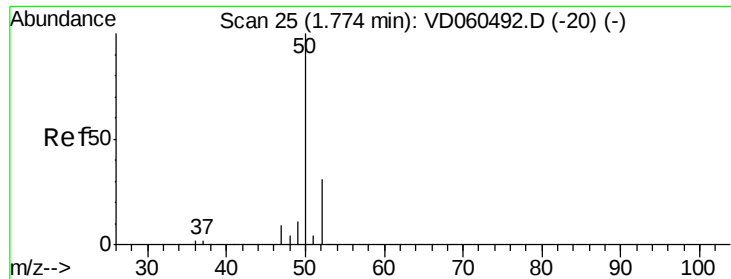
87 31.2 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 25.139 ug/l

RT: 1.78 min Scan# 26

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 50 Resp: 401968

Ion Ratio Lower Upper

50 100

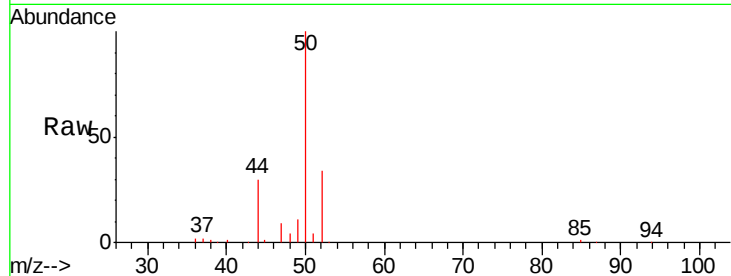
52 33.9 25.0 37.4

Manual Integrations

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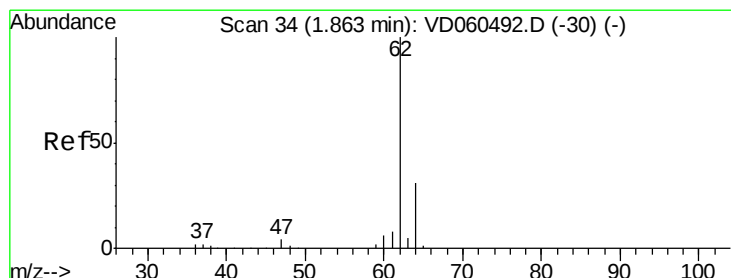
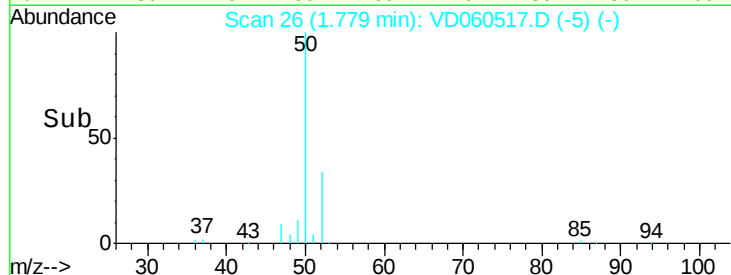
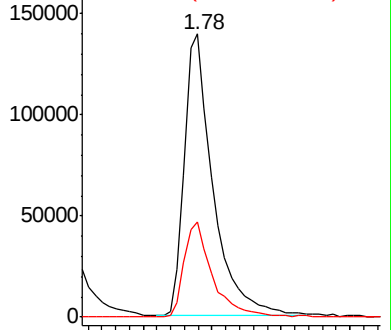
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.888 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060517.D

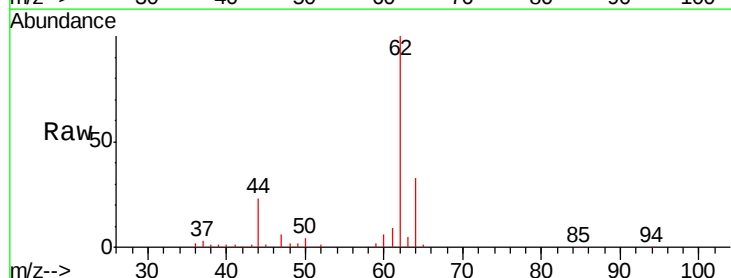
Acq: 10 Dec 2018 11:36

Tgt Ion: 62 Resp: 330369

Ion Ratio Lower Upper

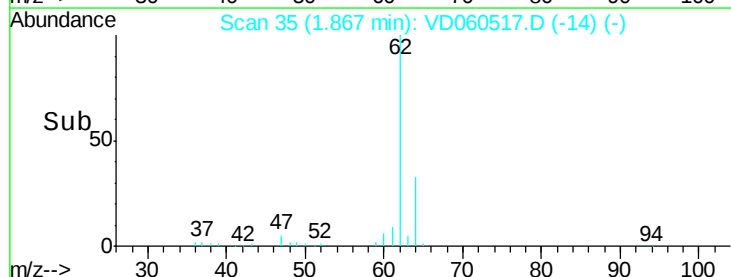
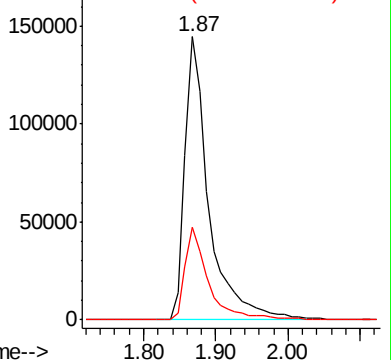
62 100

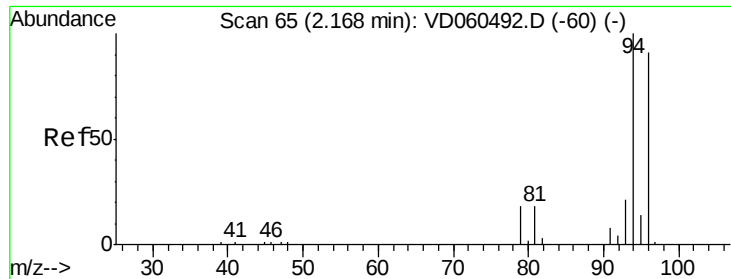
64 32.8 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.532 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 94 Resp: 62357

Ion Ratio Lower Upper

94 100

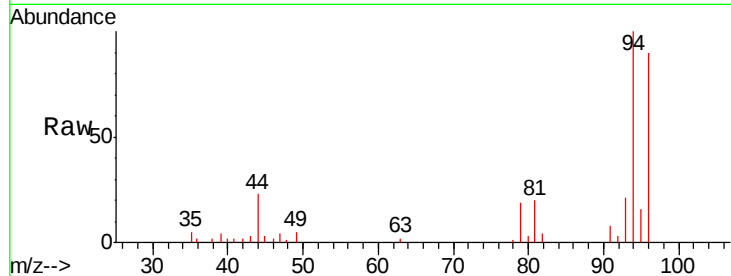
96 90.3 72.6 108.8

Manual Integrations

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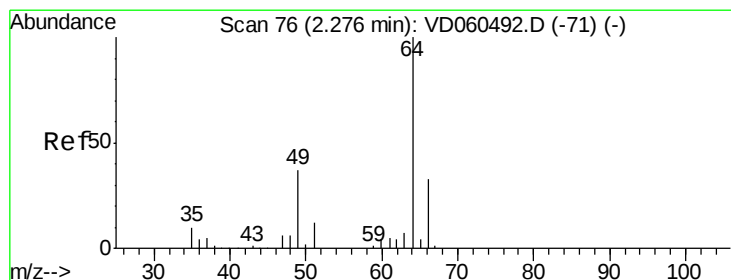
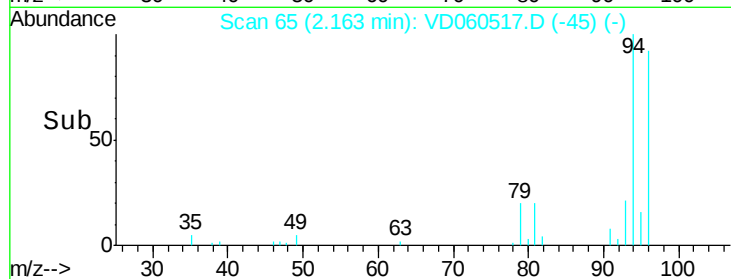
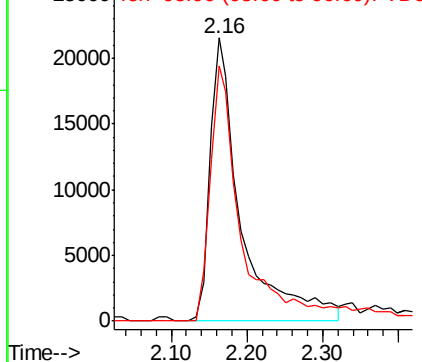
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.127 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060517.D

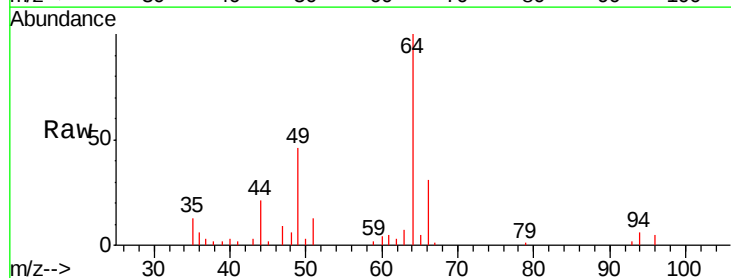
Acq: 10 Dec 2018 11:36

Tgt Ion: 64 Resp: 80409

Ion Ratio Lower Upper

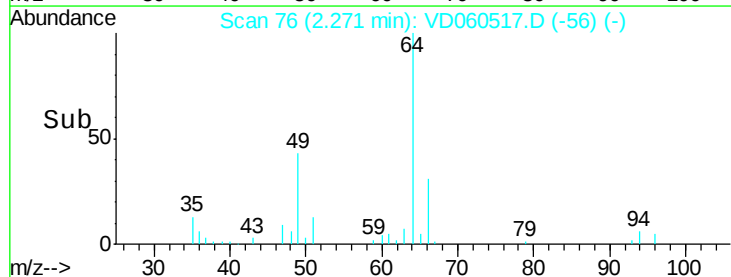
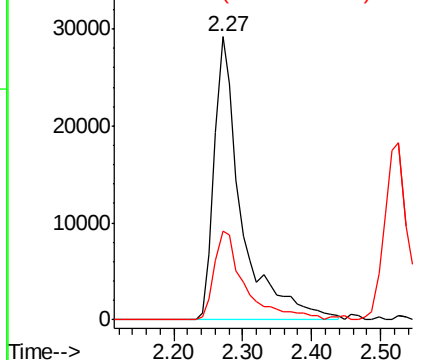
64 100

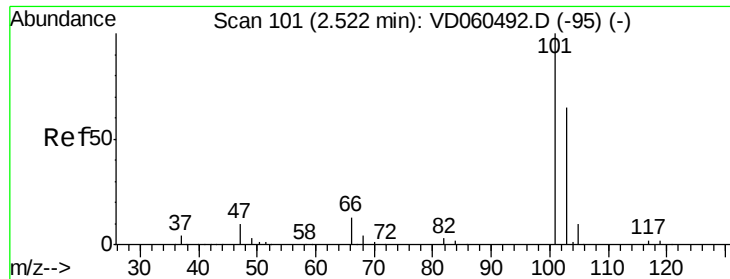
66 31.5 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

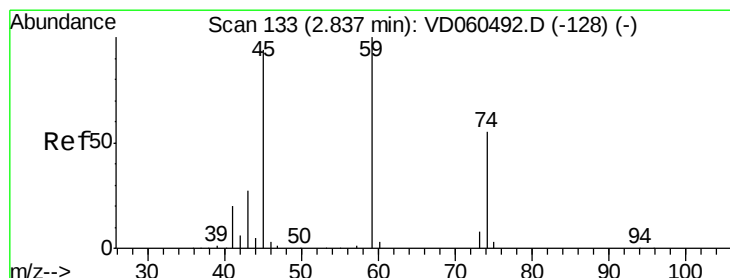
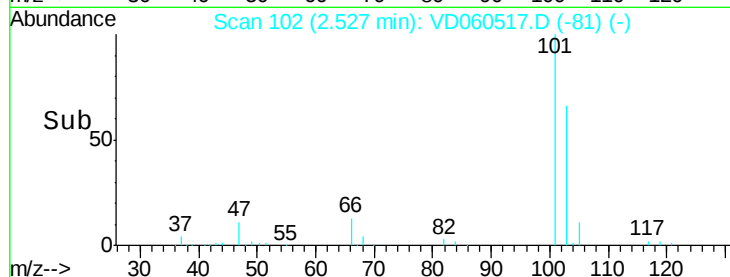
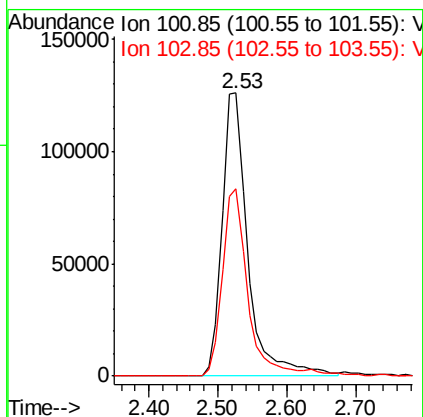
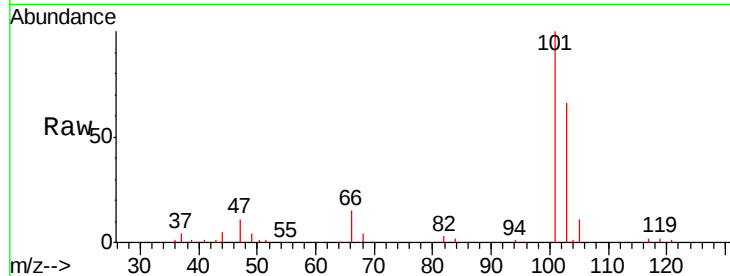
Trichlorofluoromethane  
Concen: 22.240 ug/l  
RT: 2.53 min Scan# 102  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 101 Resp: 327710  
Ion Ratio Lower Upper  
101 100  
103 66.1 51.8 77.8

Manual Integrations  
APPROVED

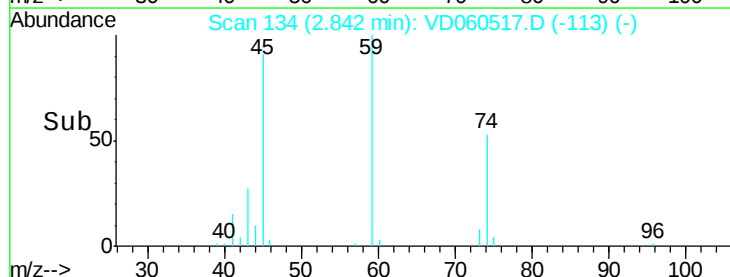
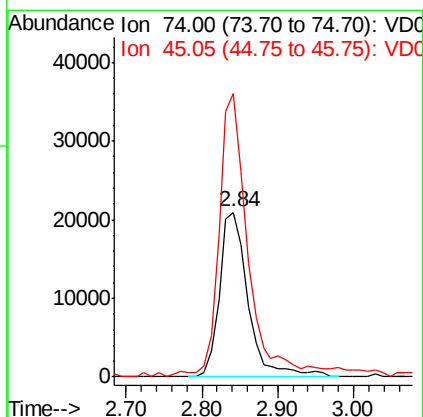
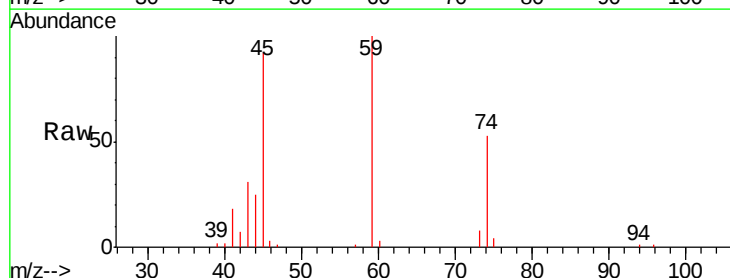
MMDadoda  
12/11/2018 4:15:07 PM

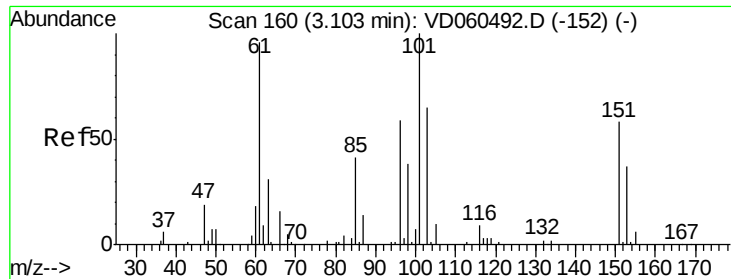


#8

Diethyl Ether  
Concen: 21.574 ug/l  
RT: 2.84 min Scan# 134  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 74 Resp: 54909  
Ion Ratio Lower Upper  
74 100  
45 171.8 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.085 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

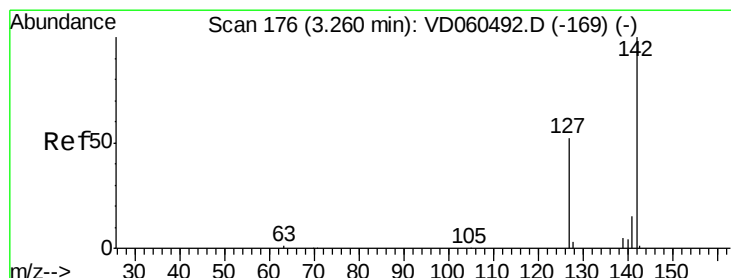
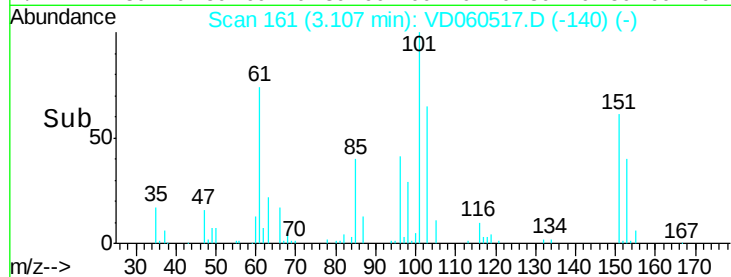
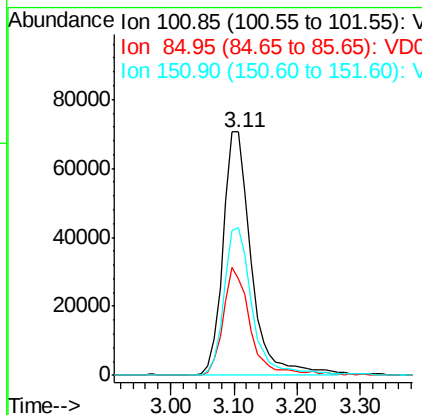
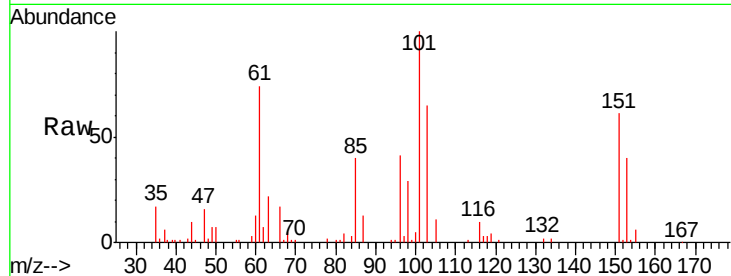
ClientSampleId :

VD1210SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 220706 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 39.7  | 32.7  | 49.1   |
| 151       | 60.5  | 46.6  | 69.8   |

Manual Integrations  
APPROVED

MMDadoda  
12/11/2018 4:15:07 PM



#10

Methyl Iodide

Concen: 22.132 ug/l

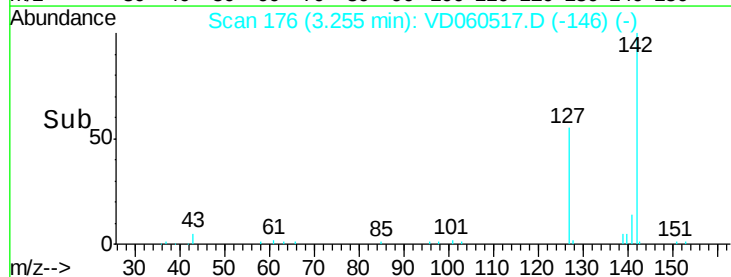
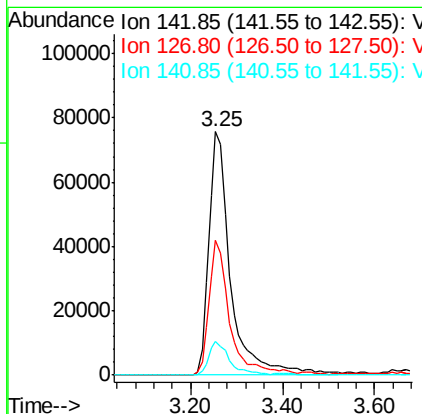
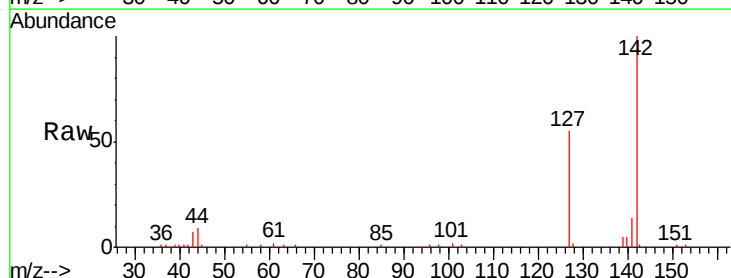
RT: 3.25 min Scan# 176

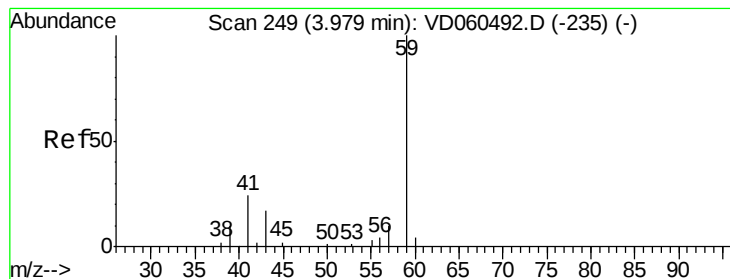
Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 247334 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 55.3  | 41.2  | 61.8   |
| 141       | 13.8  | 11.9  | 17.9   |





#11

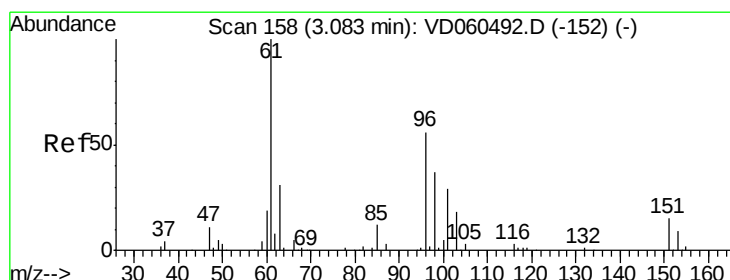
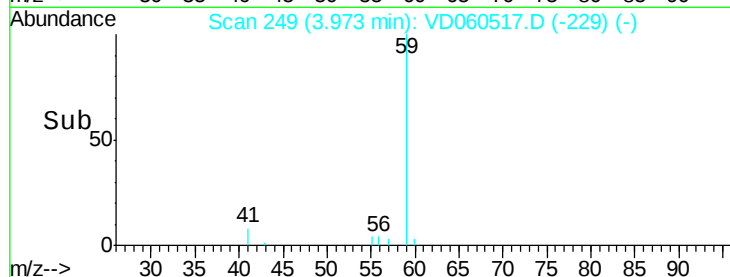
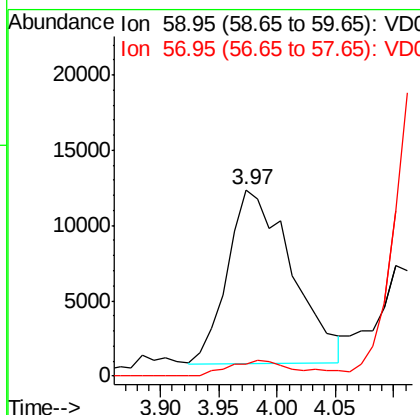
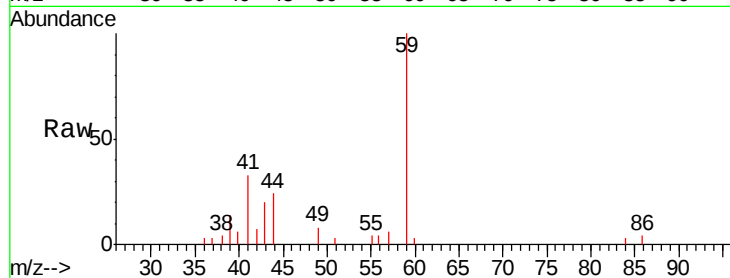
Tert butyl alcohol  
Concen: 98.352 ug/l  
RT: 3.97 min Scan# 249  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 59 Resp: 44076  
Ion Ratio Lower Upper  
59 100  
57 6.3 8.1 12.1#

Manual Integrations  
APPROVED

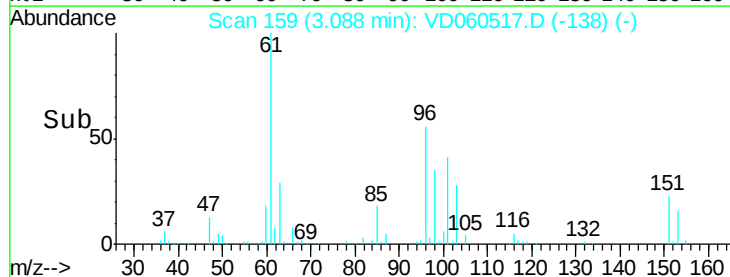
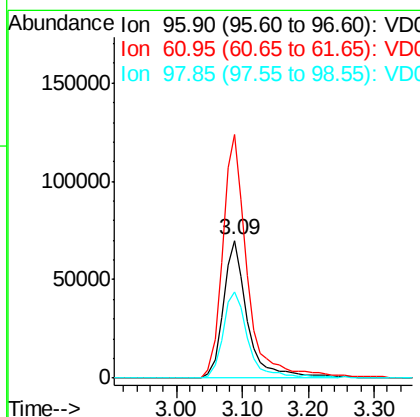
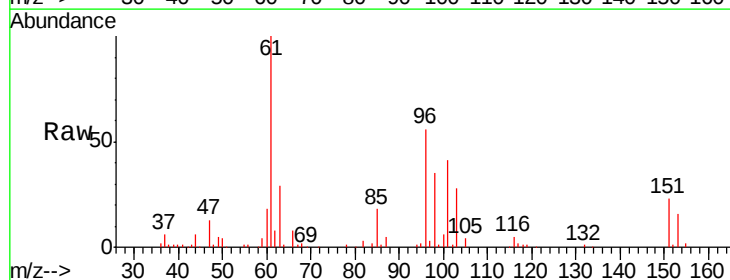
MMDadoda  
12/11/2018 4:15:07 PM

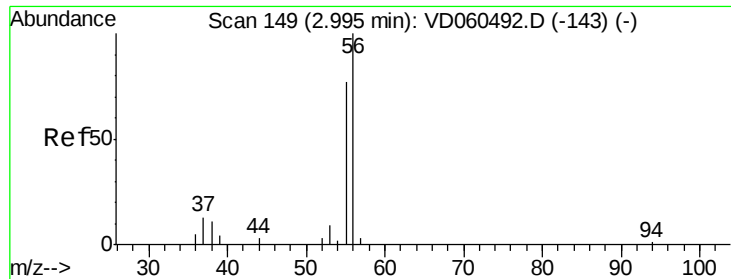


#12

1,1-Dichloroethene  
Concen: 23.124 ug/l  
RT: 3.09 min Scan# 159  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 96 Resp: 179877  
Ion Ratio Lower Upper  
96 100  
61 177.3 143.0 214.4  
98 62.9 53.4 80.0





#13

Acrolein

Concen: 106.919 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 56 Resp: 52356

Ion Ratio Lower Upper

56 100

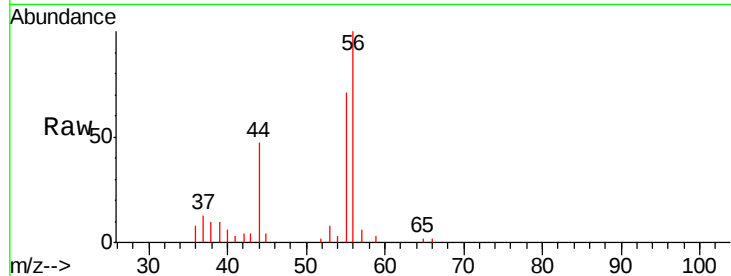
55 71.3 62.0 93.0

Manual Integrations

APPROVED

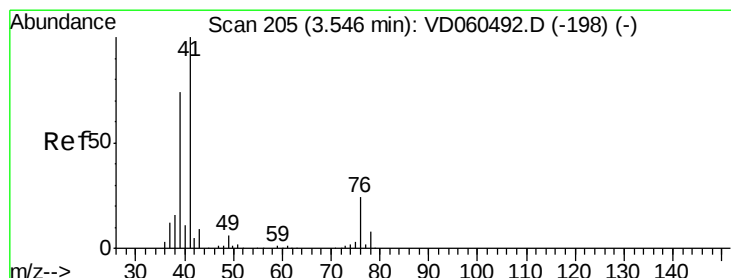
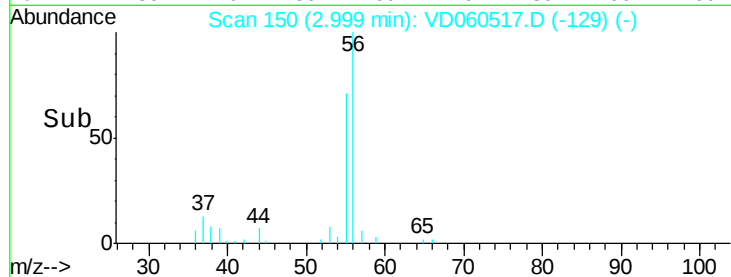
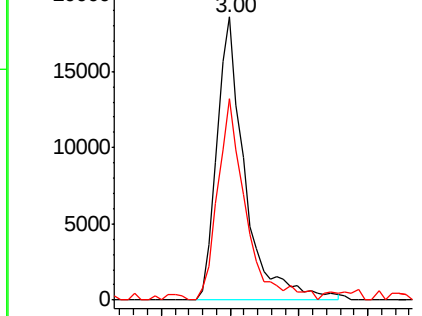
MMDadoda

12/11/2018 4:15:07 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.934 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

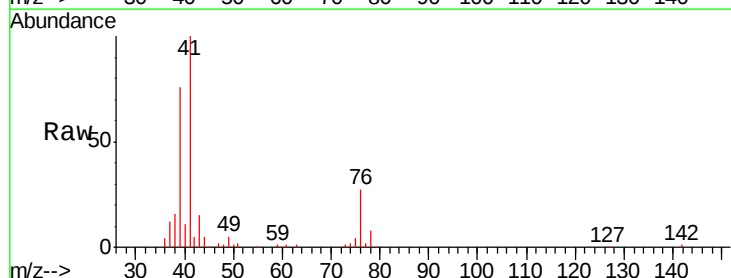
Tgt Ion: 41 Resp: 338469

Ion Ratio Lower Upper

41 100

39 76.2 59.3 88.9

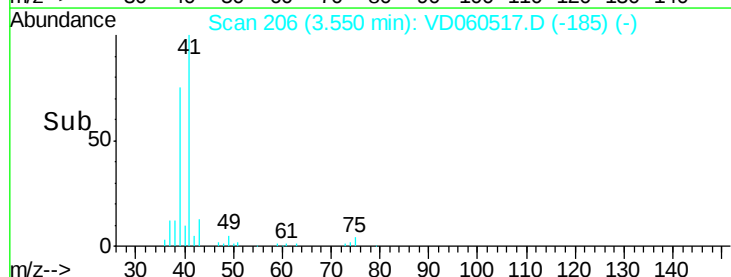
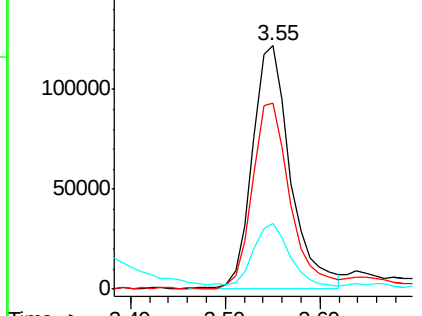
76 27.0 21.0 31.6

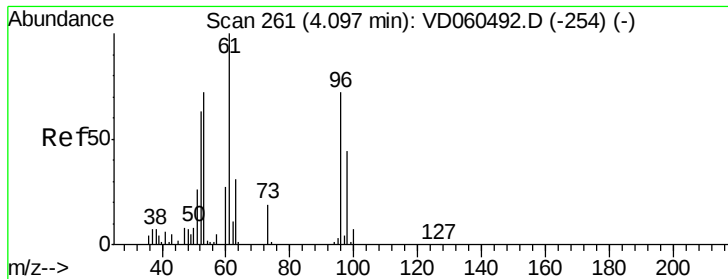


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 115.378 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

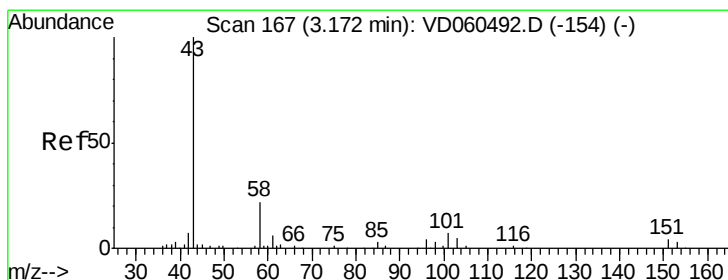
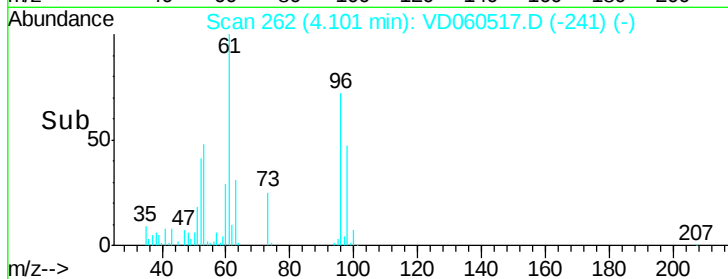
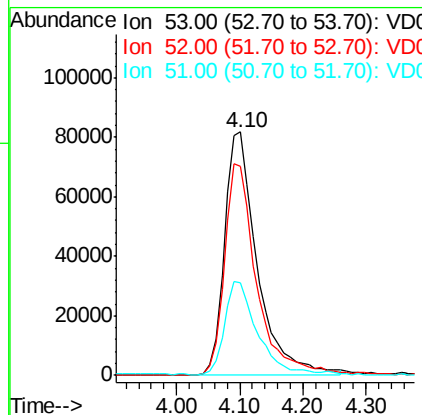
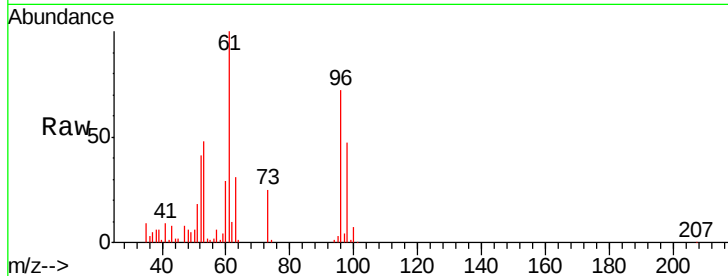
ClientSampleId :

VD1210SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 53    | Resp: | 293592 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 85.6  | 70.0  | 105.0  |
| 51        | 37.9  | 28.8  | 43.2   |

Manual Integrations  
APPROVED

MMDadoda  
12/11/2018 4:15:07 PM



#16

Acetone

Concen: 107.192 ug/l

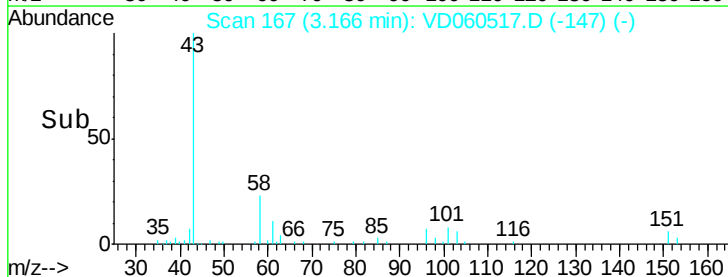
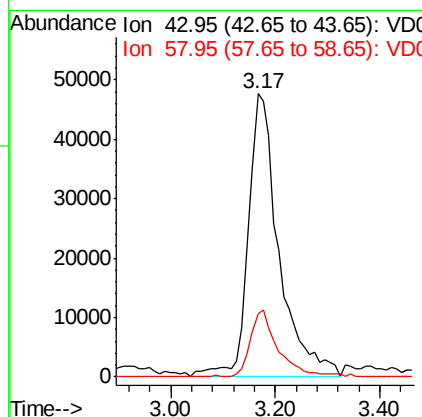
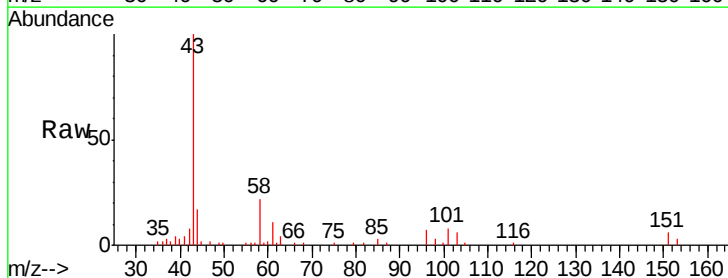
RT: 3.17 min Scan# 167

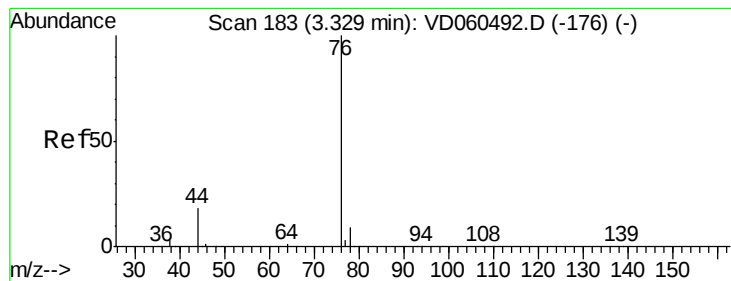
Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 189529 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 22.5  | 17.3  | 25.9   |





#17

Carbon Disulfide

Concen: 23.637 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 76 Resp: 597253

Ion Ratio Lower Upper

76 100

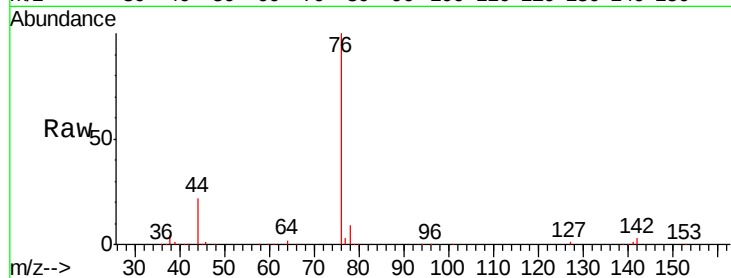
78 9.1 7.0 10.6

Manual Integrations

APPROVED

MMDadoda

12/11/2018 4:15:07 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

250000

200000

150000

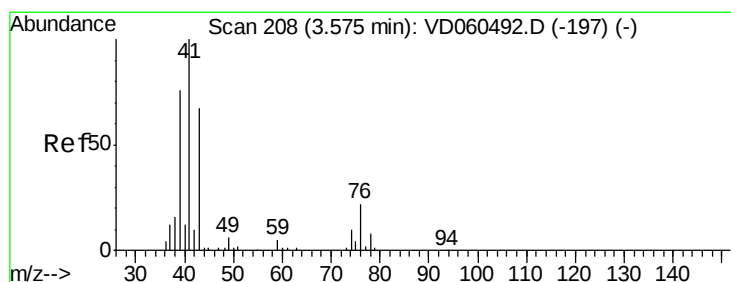
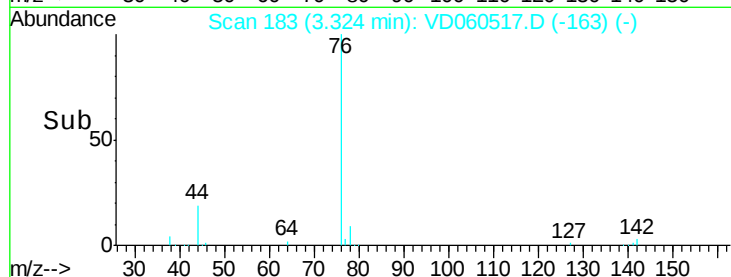
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 23.058 ug/l

RT: 3.57 min Scan# 208

Delta R.T. -0.01 min

Lab File: VD060517.D

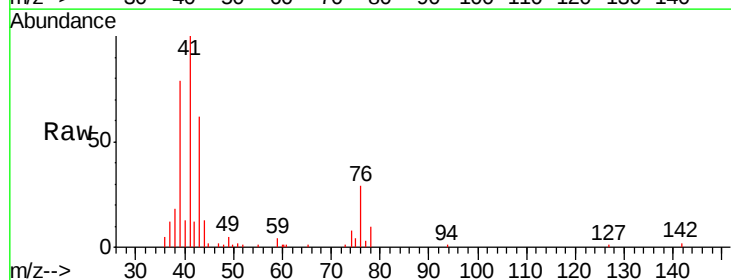
Acq: 10 Dec 2018 11:36

Tgt Ion: 43 Resp: 96894

Ion Ratio Lower Upper

43 100

74 13.4 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

30000

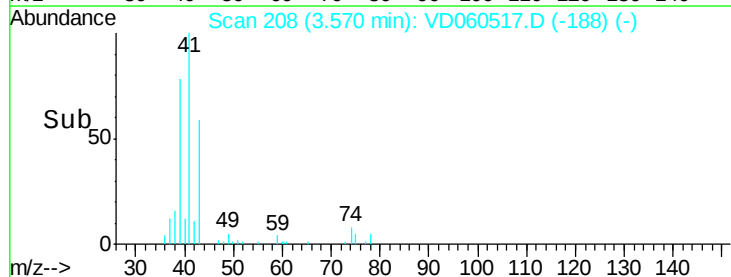
20000

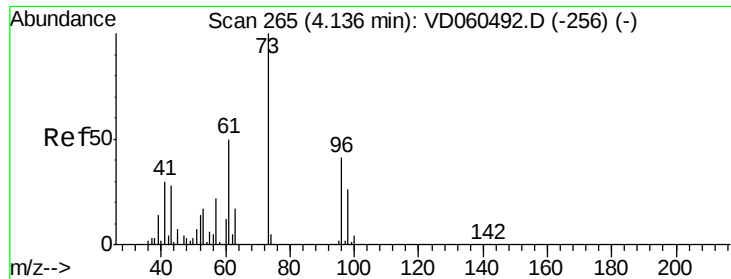
10000

0

3.50 3.60 3.70

Time-->





#19

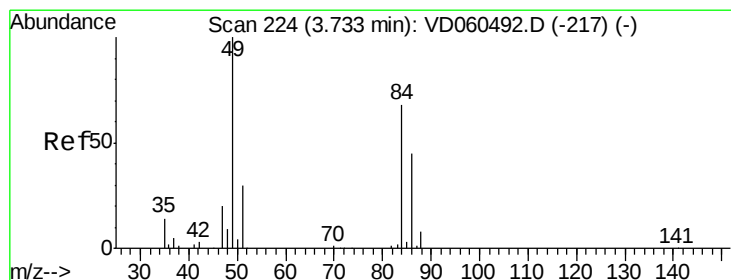
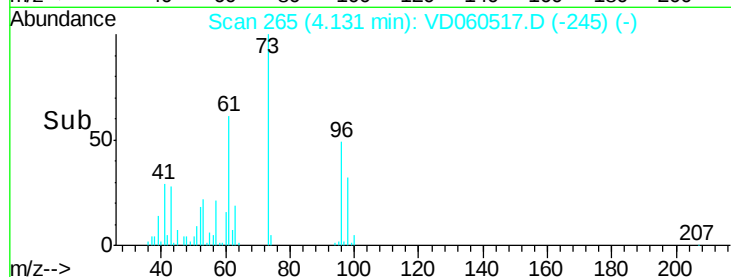
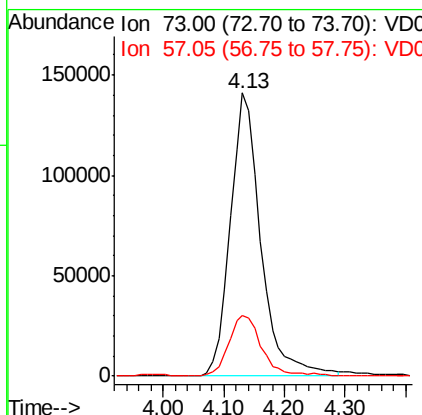
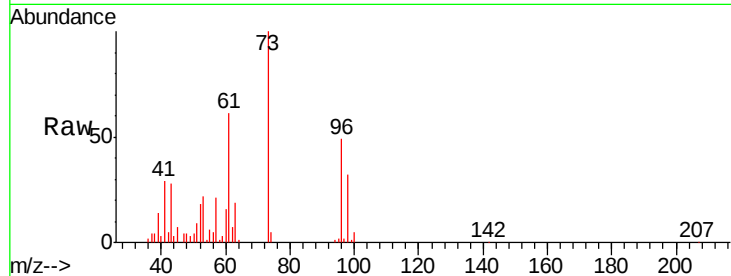
Methyl tert-butyl Ether  
Concen: 22.912 ug/l  
RT: 4.13 min Scan# 265  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 73 Resp: 494256  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.8 26.6

Manual Integrations  
APPROVED

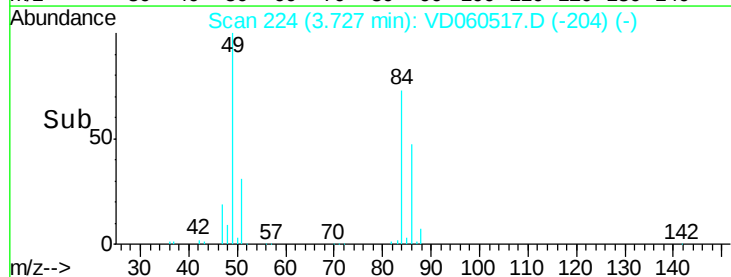
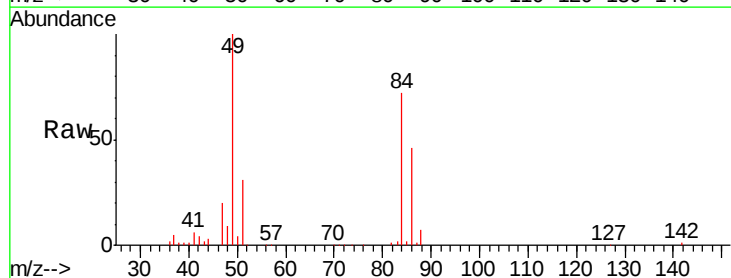
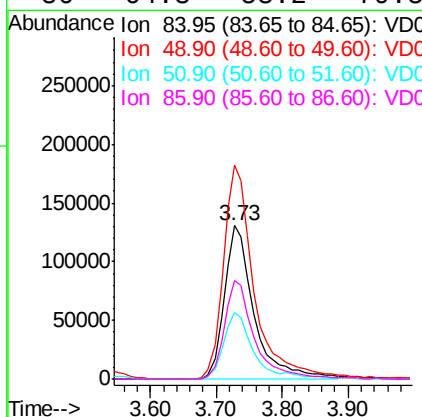
MMDadoda  
12/11/2018 4:15:07 PM

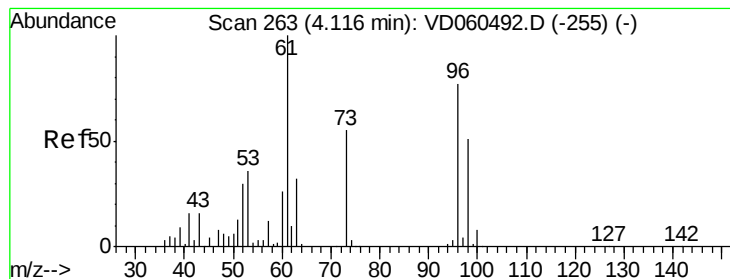


#20

Methylene Chloride  
Concen: 23.012 ug/l  
RT: 3.73 min Scan# 224  
Delta R.T. -0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 84 Resp: 412794  
Ion Ratio Lower Upper  
84 100  
49 139.6 117.2 175.8  
51 43.1 35.3 52.9  
86 64.3 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 23.616 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 96 Resp: 399600

Ion Ratio Lower Upper

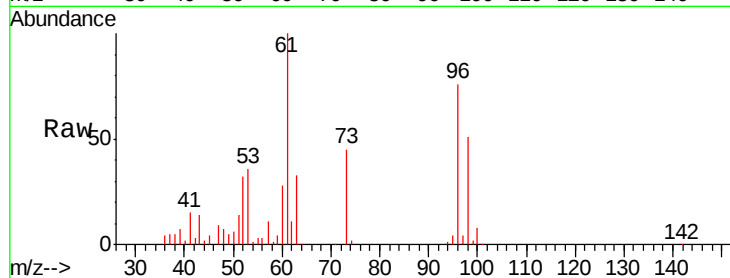
96 100

61 131.1 104.2 156.4

98 66.5 52.8 79.2

Manual Integrations  
APPROVED

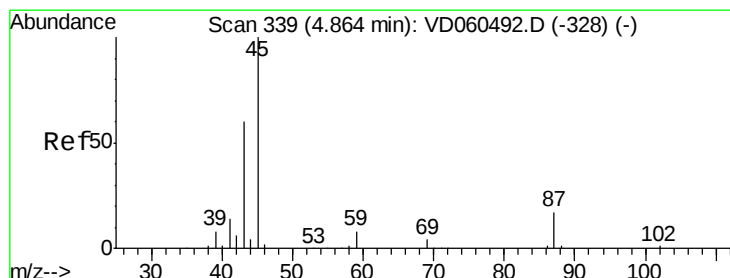
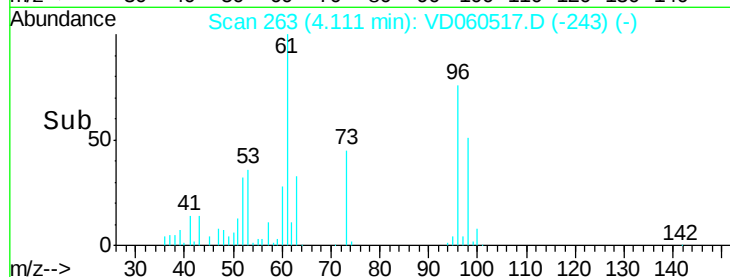
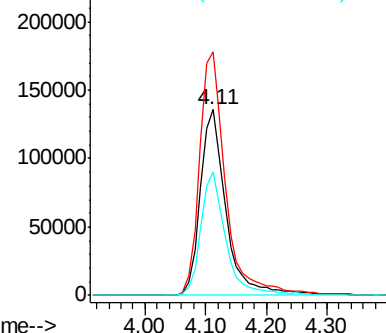
MMDadoda  
12/11/2018 4:15:07 PM



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: 23.486 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Tgt Ion: 45 Resp: 1244489

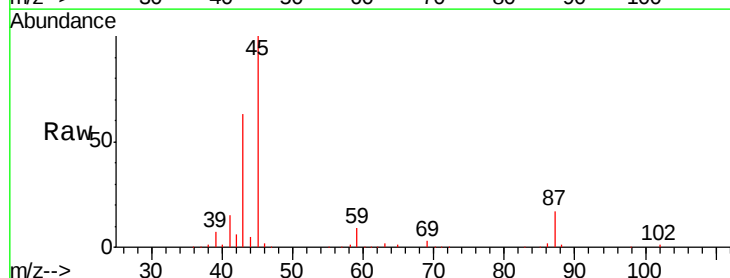
Ion Ratio Lower Upper

45 100

43 63.3 48.6 73.0

87 16.9 14.0 21.0

59 9.3 6.9 10.3

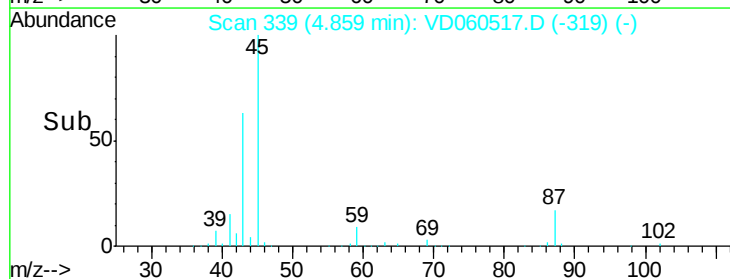
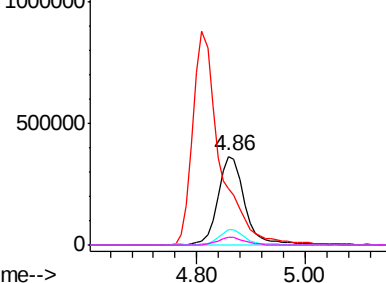


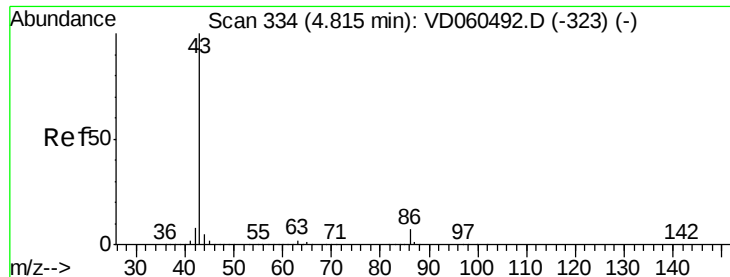
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 116.159 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 43 Resp: 3049590

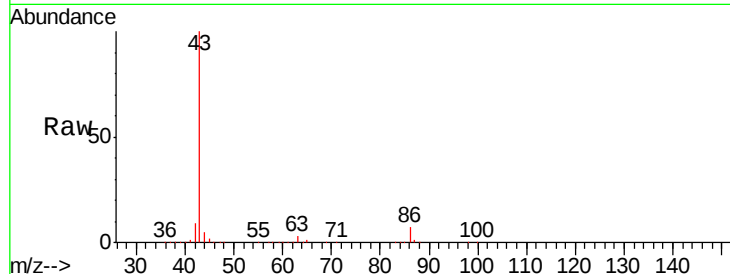
Ion Ratio Lower Upper

43 100

86 6.5 5.5 8.3

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.81

800000

600000

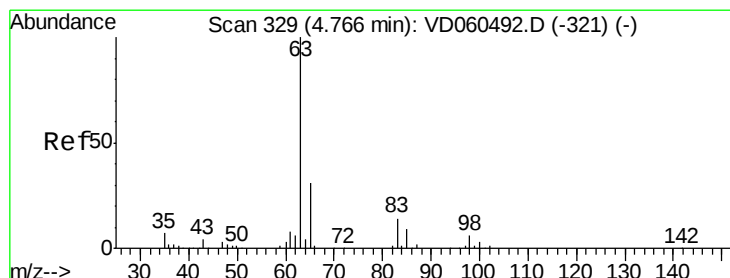
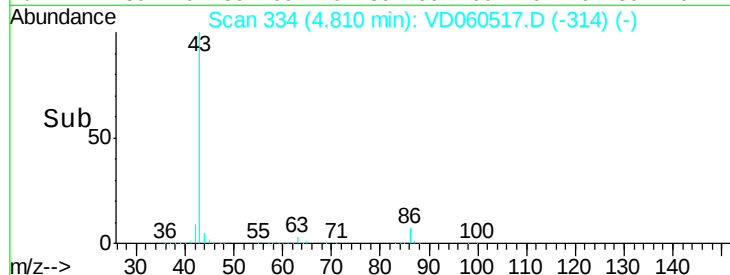
400000

200000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 23.556 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

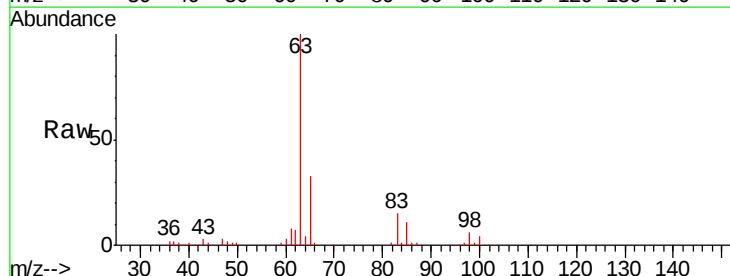
Tgt Ion: 63 Resp: 648438

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.3

100 3.7 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.76

250000

200000

150000

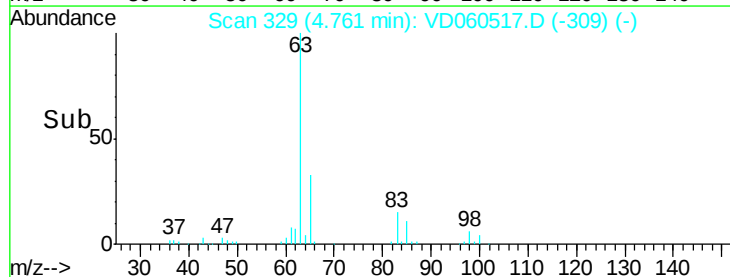
100000

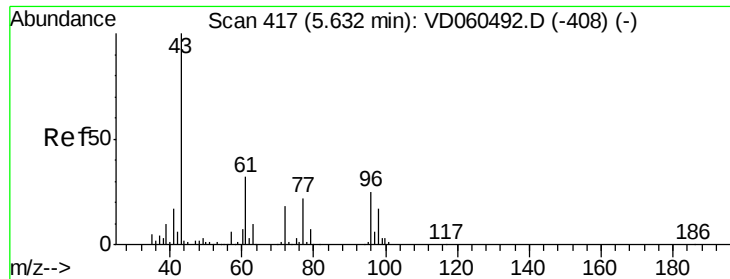
50000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 110.149 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 43 Resp: 383168

Ion Ratio Lower Upper

43 100

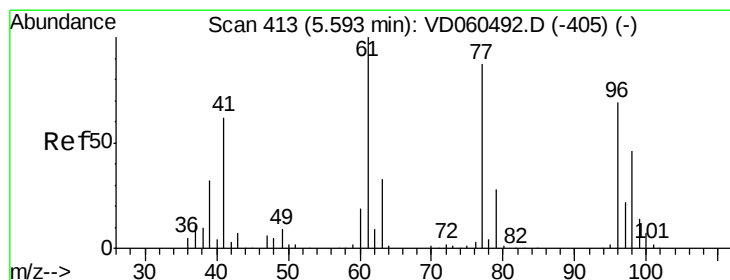
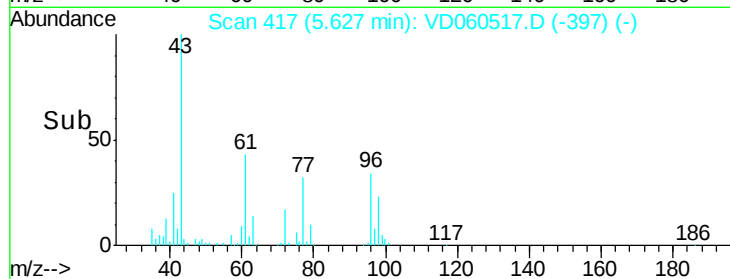
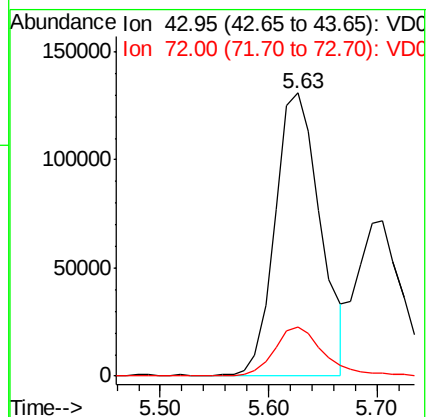
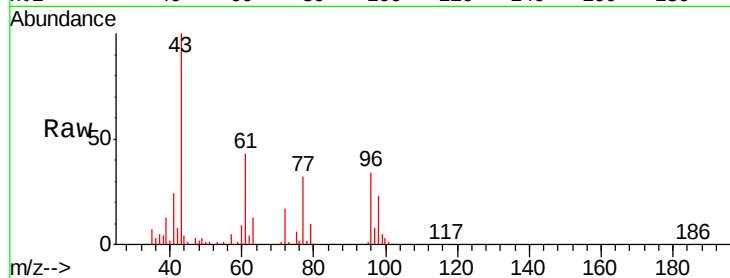
72 17.4 14.6 21.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.692 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060517.D

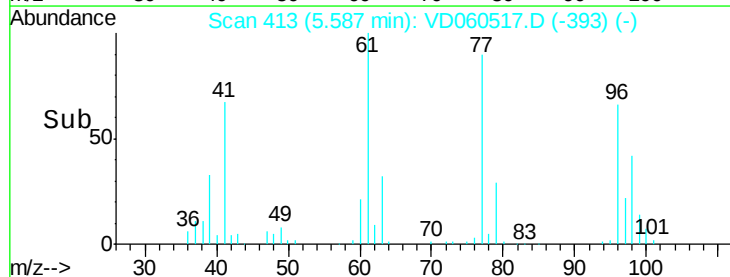
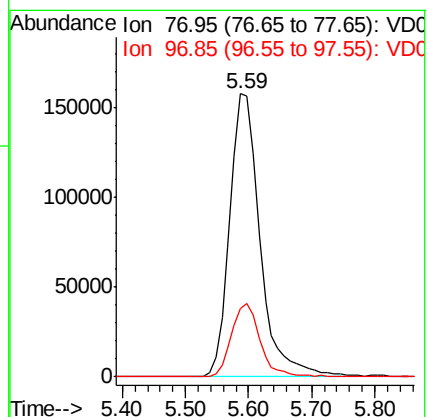
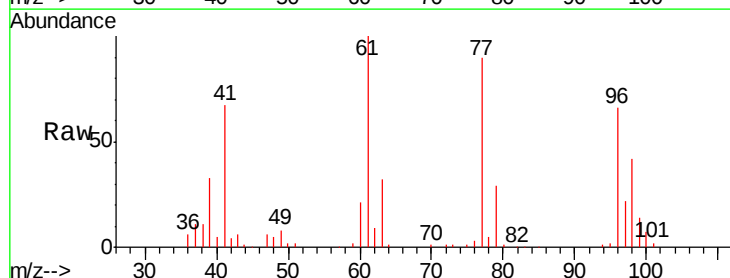
Acq: 10 Dec 2018 11:36

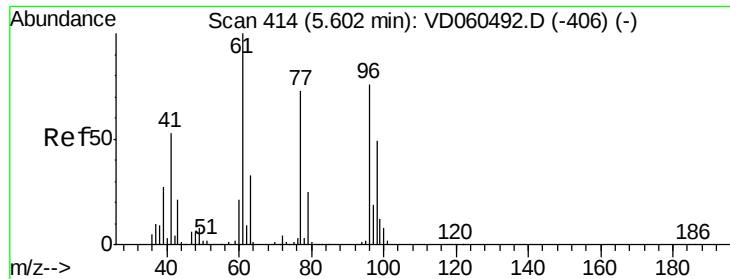
Tgt Ion: 77 Resp: 525094

Ion Ratio Lower Upper

77 100

97 24.0 12.7 38.0





#27

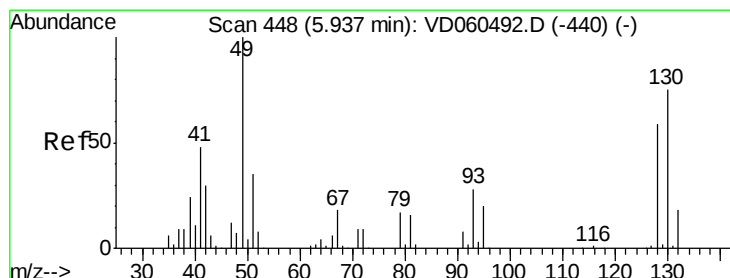
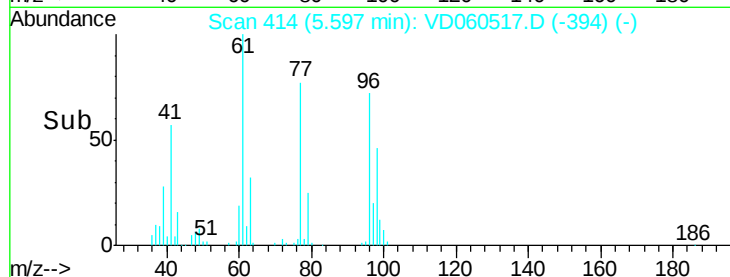
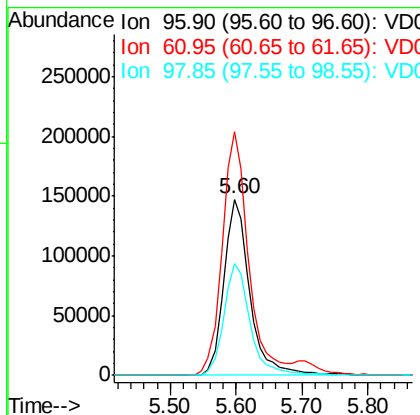
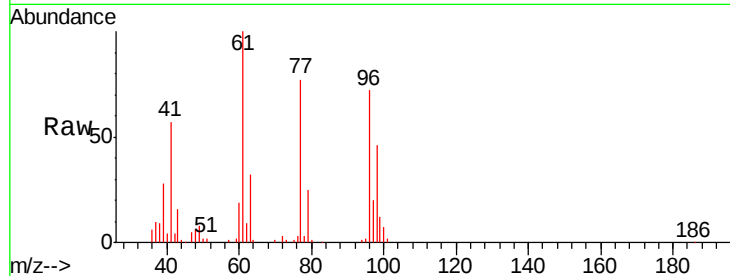
cis-1,2-Dichloroethene  
 Concen: 23.635 ug/l  
 RT: 5.60 min Scan# 414  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 406625 |       |       |
| 61      | 138.2 | 0.0    | 263.6 |       |
| 98      | 63.6  | 0.0    | 128.2 |       |

Manual Integrations  
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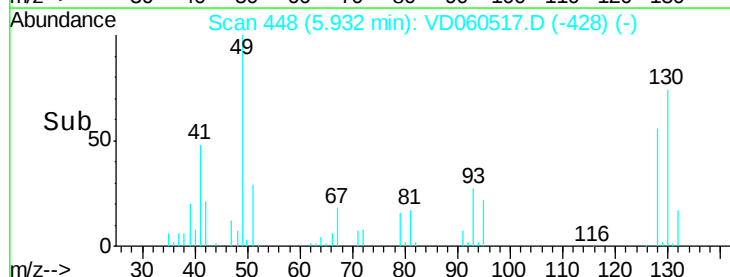
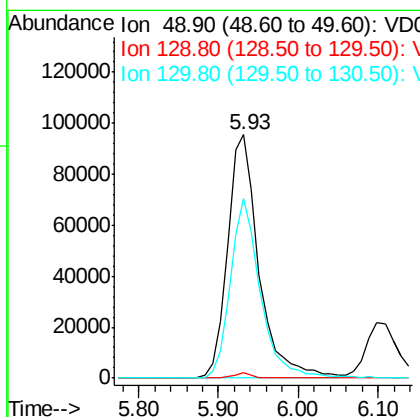
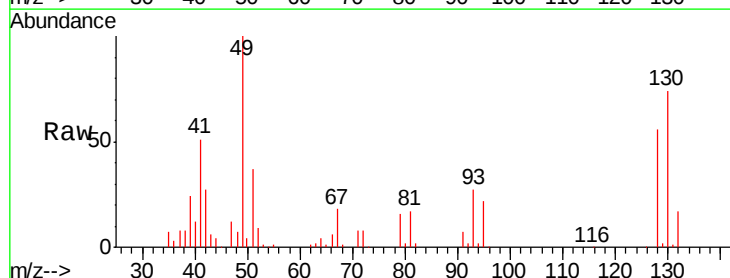
MMDadoda  
 12/11/2018 4:15:07 PM



#28

Bromochloromethane  
 Concen: 21.487 ug/l  
 RT: 5.93 min Scan# 448  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 262023 |       |       |
| 129     | 2.1   | 0.0    | 3.4   |       |
| 130     | 73.6  | 59.8   | 89.6  |       |





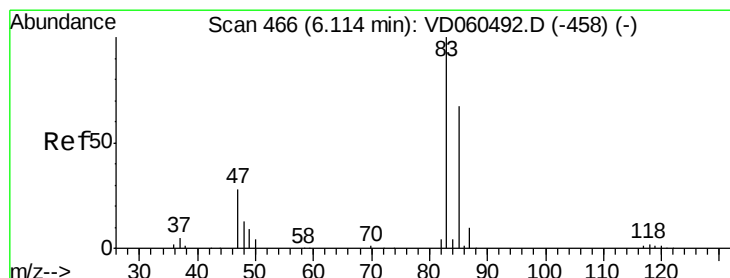
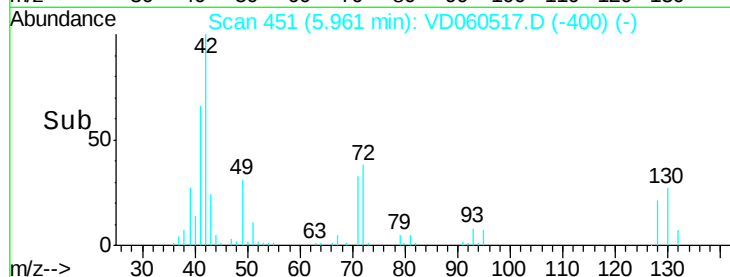
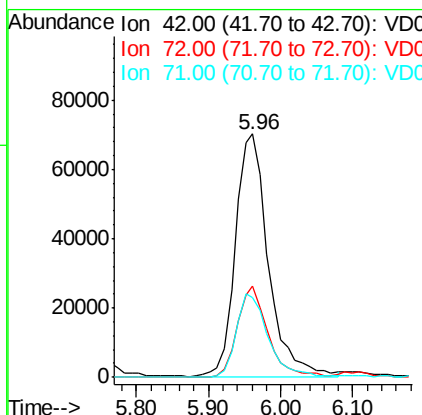
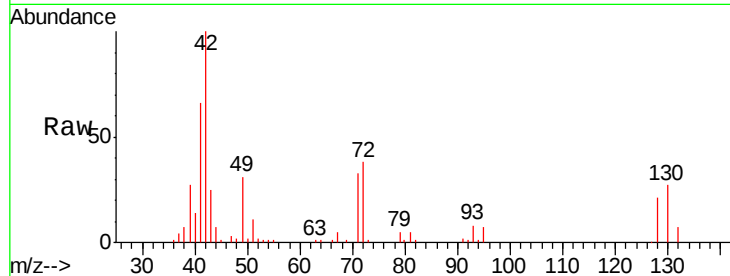
#29  
Tetrahydrofuran  
Concen: 114.451 ug/l  
RT: 5.96 min Scan# 451  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.5  | 28.0  | 42.0  |
| 71      | 33.2  | 27.2  | 40.8  |

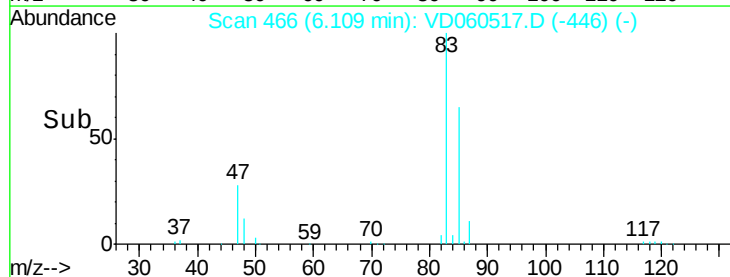
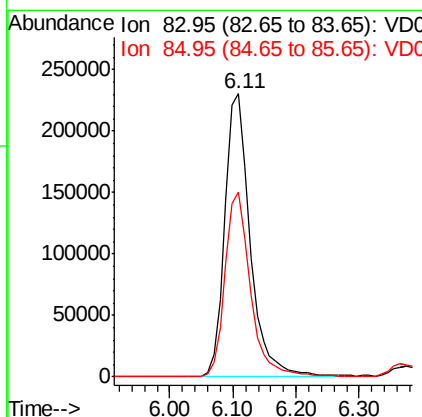
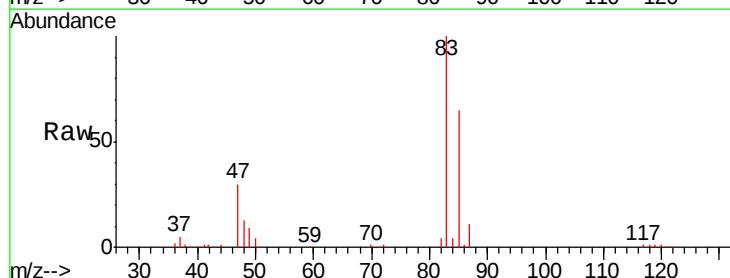
Manual Integrations  
APPROVED

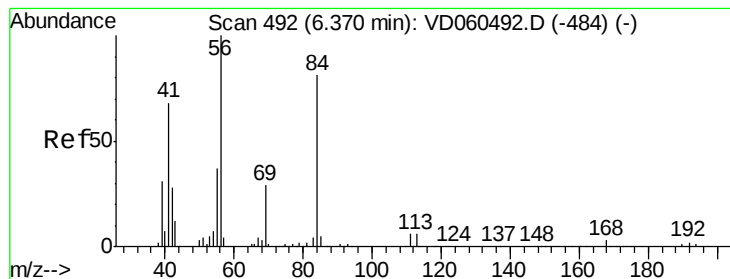
MMDadoda  
12/11/2018 4:15:07 PM



#30  
Chloroform  
Concen: 23.172 ug/l  
RT: 6.11 min Scan# 466  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 53.4  | 80.2  |





#31

Cyclohexane

Concen: 23.680 ug/l

RT: 6.37 min Scan# 493

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 56 Resp: 604892

Ion Ratio Lower Upper

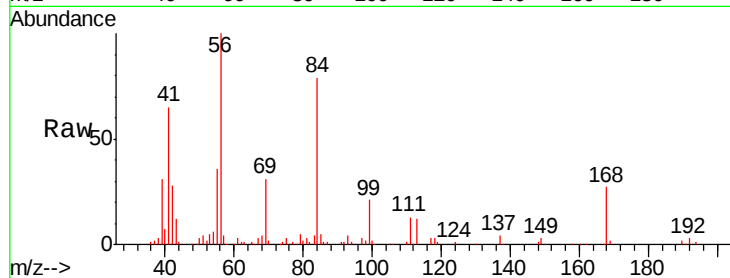
56 100

69 30.8 22.8 34.2

84 79.1 65.1 97.7

Manual Integrations  
APPROVED

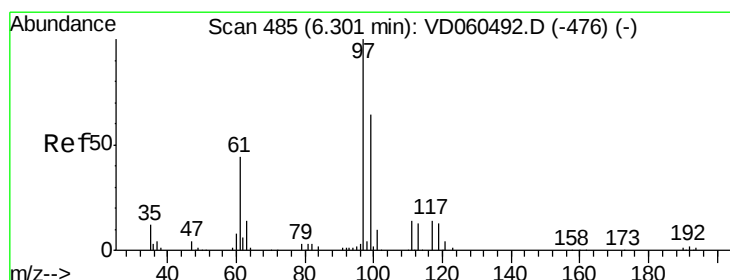
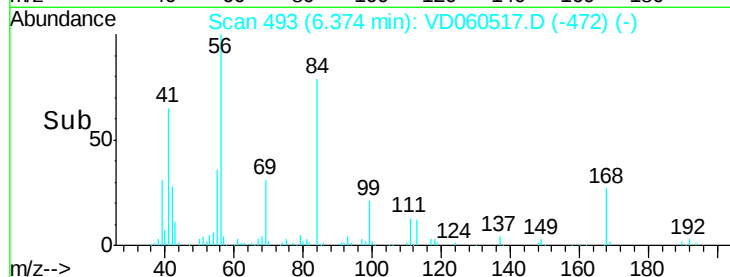
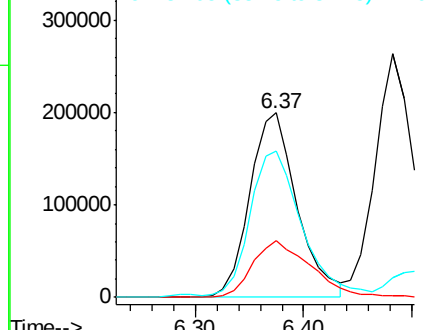
MMDadoda  
12/11/2018 4:15:07 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 23.462 ug/l

RT: 6.30 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

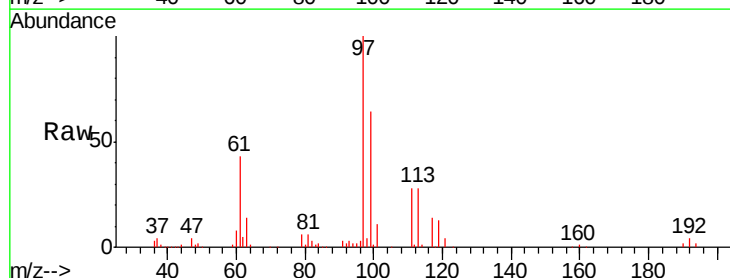
Tgt Ion: 97 Resp: 534920

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

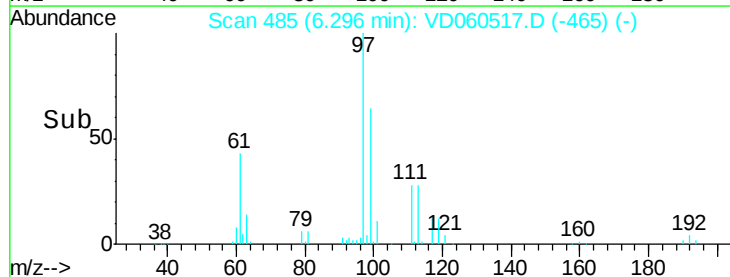
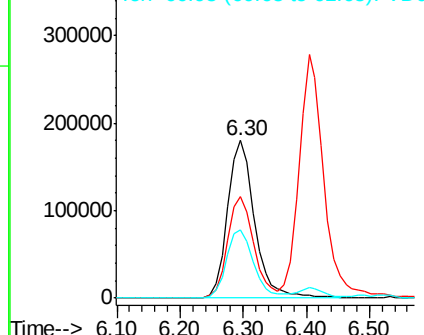
61 43.2 35.3 52.9

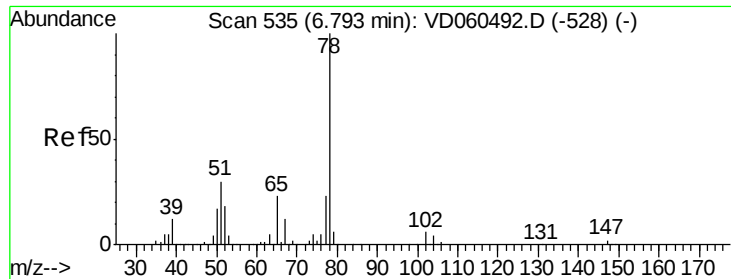


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 23.462 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 65 Resp: 592319

Ion Ratio Lower Upper

65 100

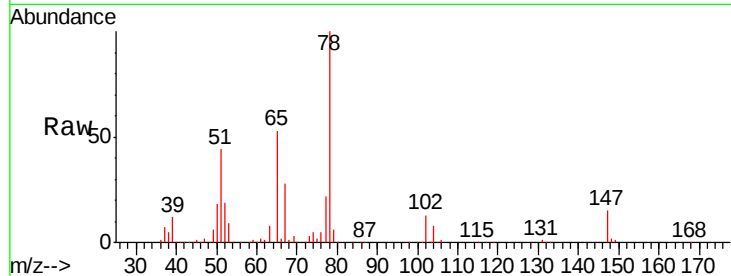
67 52.6 0.0 106.8

Manual Integrations

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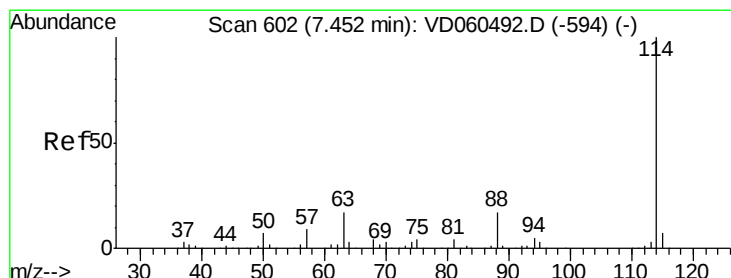
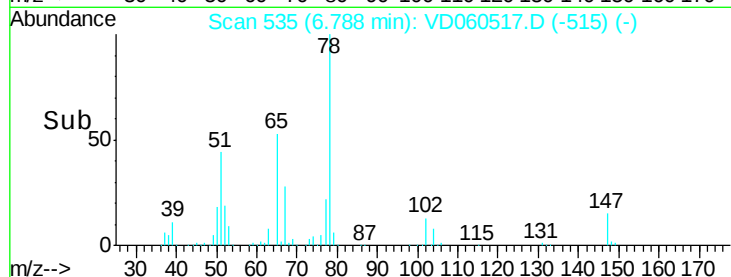
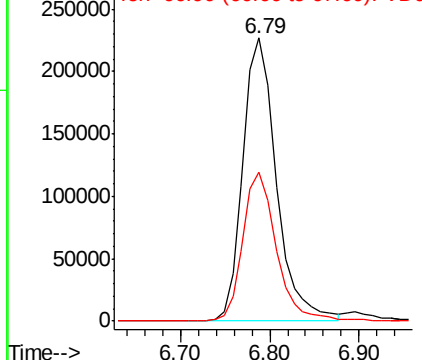
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

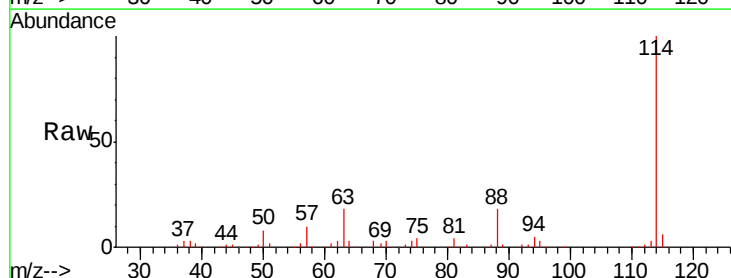
Tgt Ion: 114 Resp: 2246026

Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

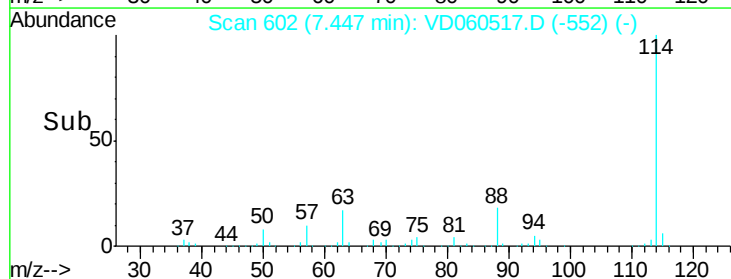
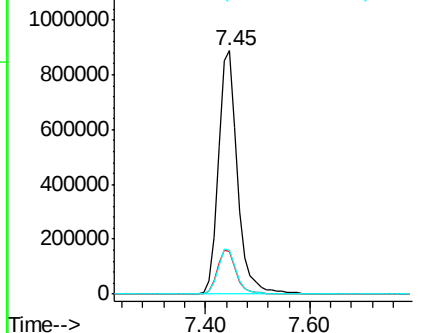
88 18.0 0.0 35.0

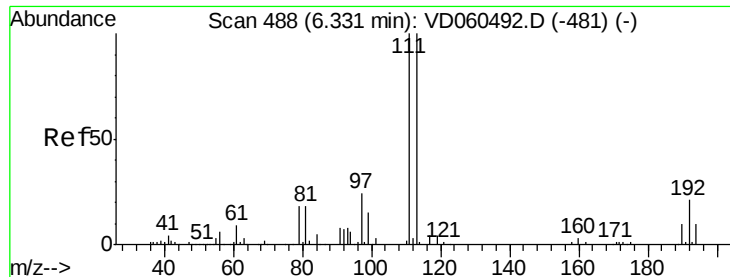


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





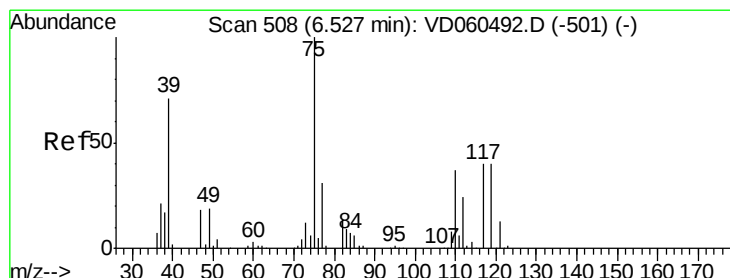
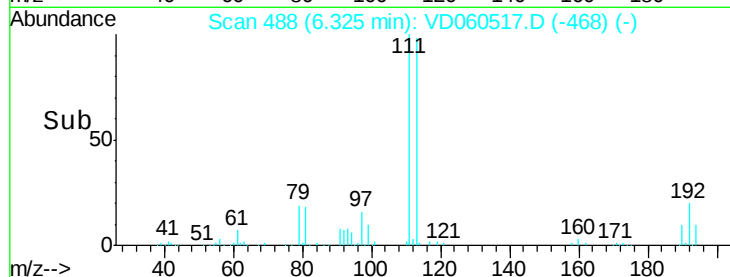
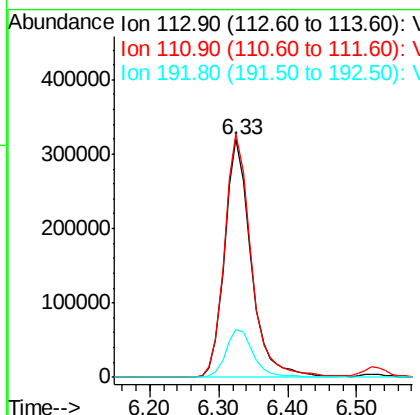
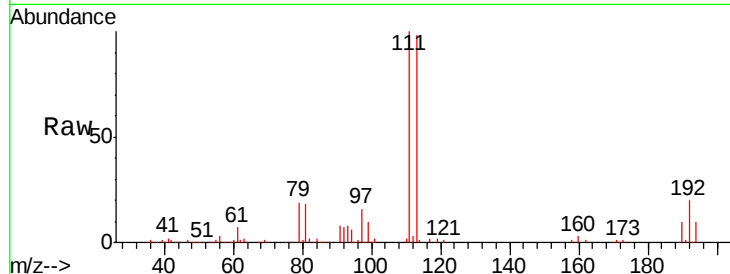
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 6.33 min Scan# 488  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 853796 |       |       |
| 111     | 102.3 |        | 80.2  | 120.4 |
| 192     | 20.3  |        | 16.6  | 24.8  |

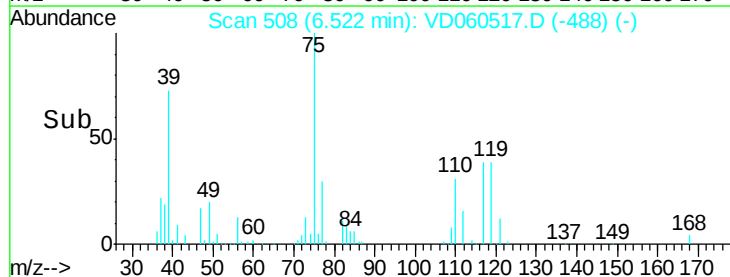
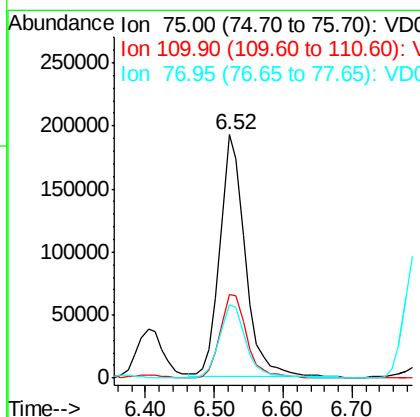
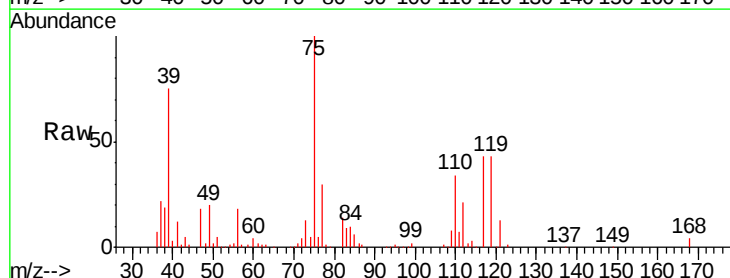
Manual Integrations  
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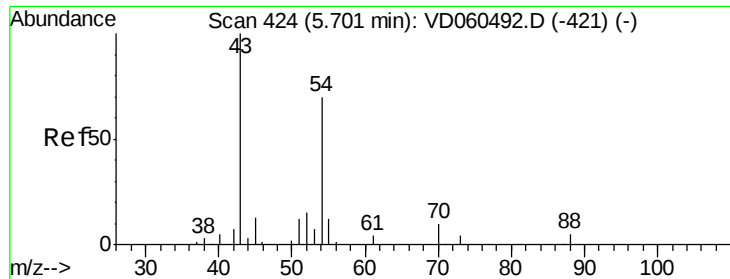
MMDadoda  
12/11/2018 4:15:07 PM



#36  
1,1-Dichloropropene  
Concen: 22.343 ug/l  
RT: 6.52 min Scan# 508  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 490534 |       |       |
| 110     | 34.1  |        | 18.3  | 54.8  |
| 77      | 30.3  |        | 24.6  | 37.0  |





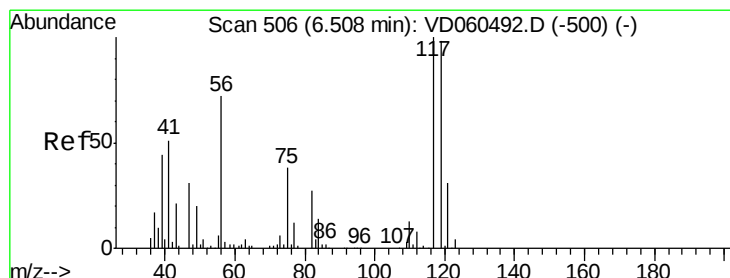
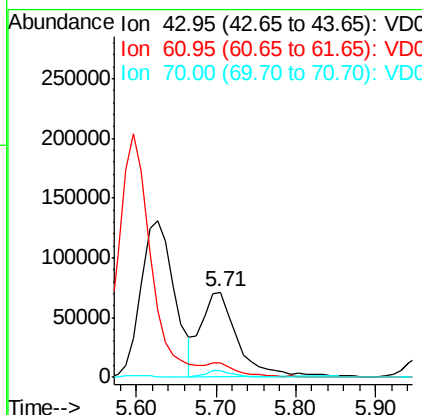
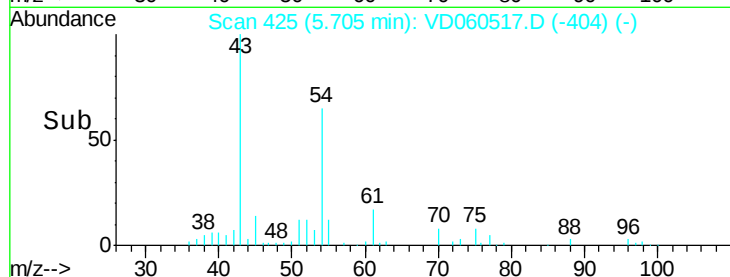
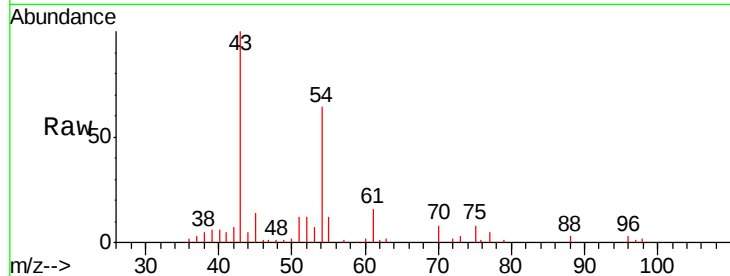
#37  
Ethyl Acetate  
Concen: 23.125 ug/l  
RT: 5.71 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 16.4  | 12.4  | 18.6  |
| 70      | 7.6   | 5.4   | 8.0   |

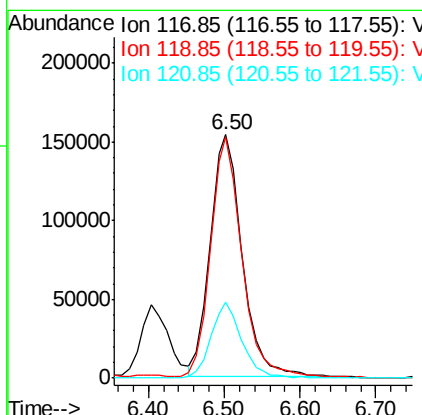
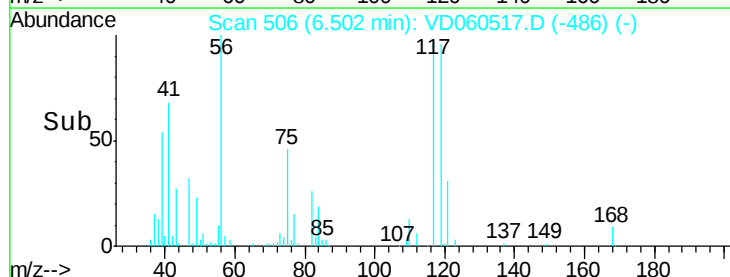
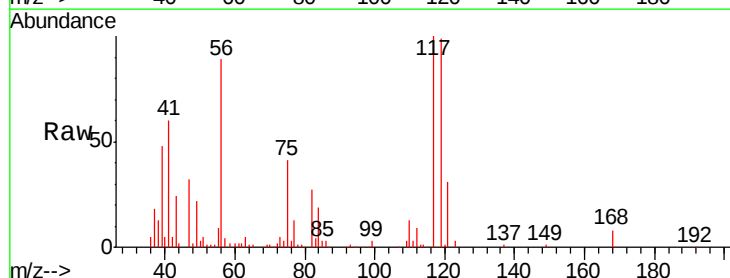
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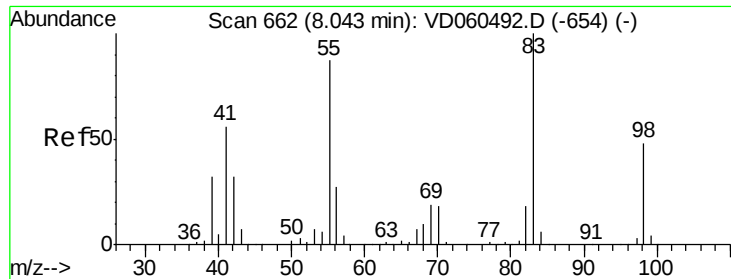
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 23.104 ug/l  
RT: 6.50 min Scan# 506  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 99.0  | 76.8  | 115.2 |
| 121     | 31.4  | 24.4  | 36.6  |





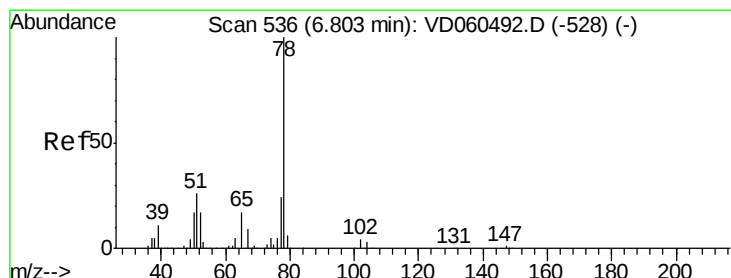
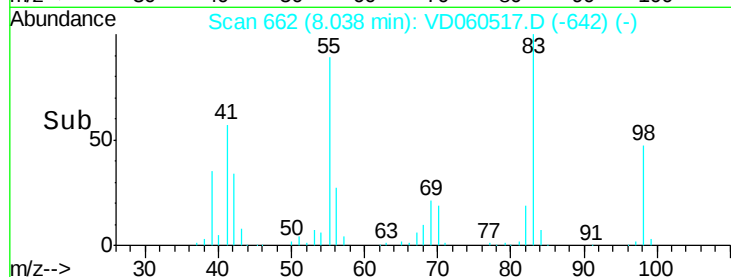
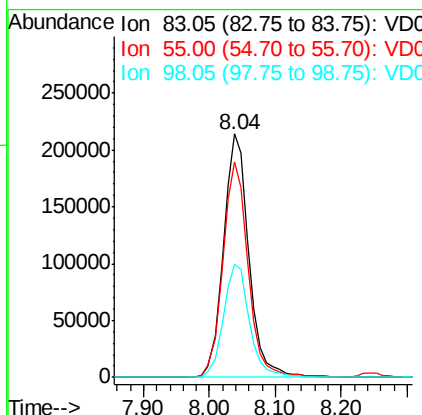
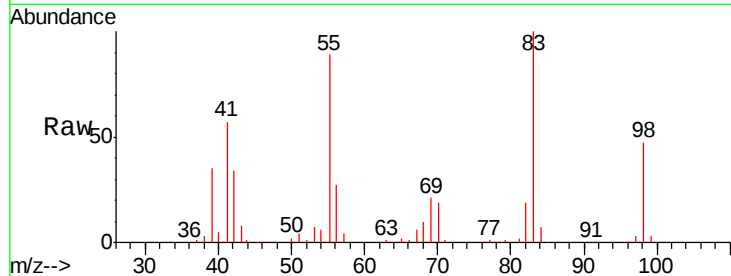
#39  
Methylcyclohexane  
Concen: 23.002 ug/l  
RT: 8.04 min Scan# 662  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 88.7  | 69.8  | 104.8 |
| 98      | 46.5  | 38.4  | 57.6  |

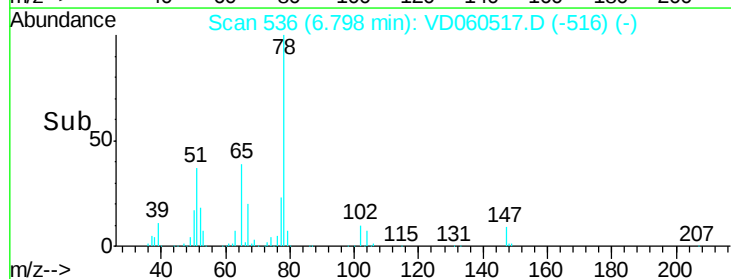
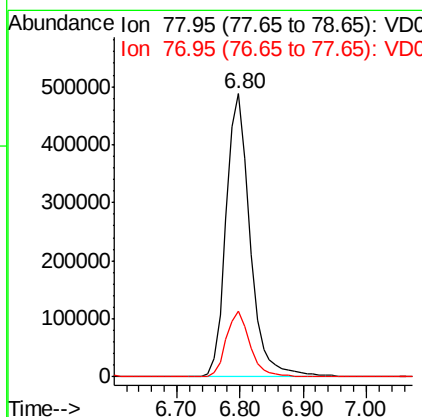
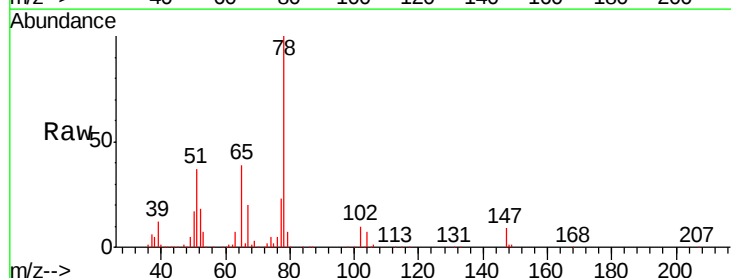
Manual Integrations  
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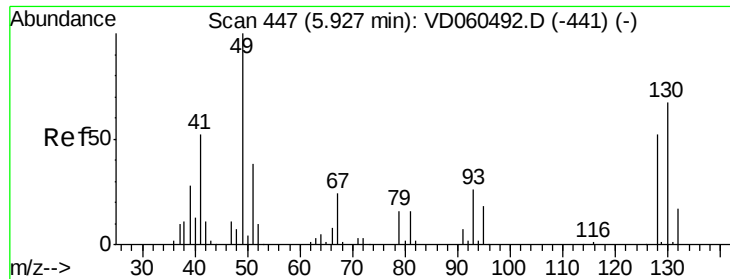
MMDadoda  
12/11/2018 4:15:07 PM



#40  
Benzene  
Concen: 22.886 ug/l  
RT: 6.80 min Scan# 536  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.9  | 28.3  |





#41

Methacrylonitrile

Concen: 25.311 ug/l m

RT: 5.94 min Scan# 449

Delta R.T. 0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 41 Resp: 129914  
Ion Ratio Lower Upper

41 100

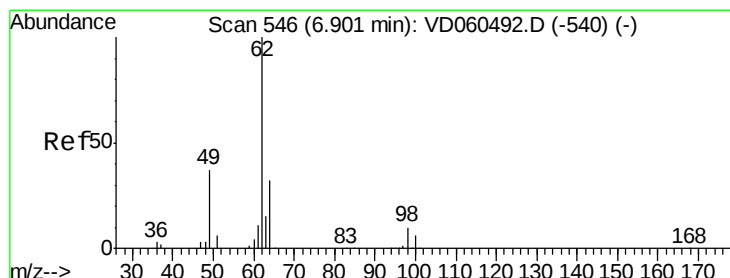
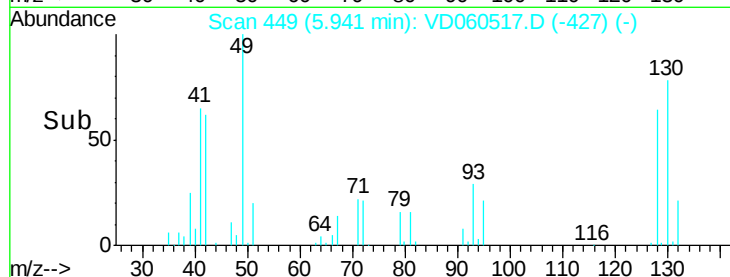
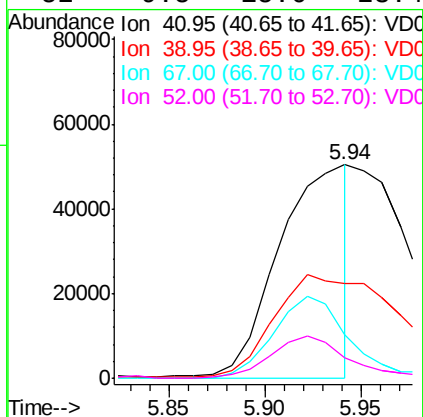
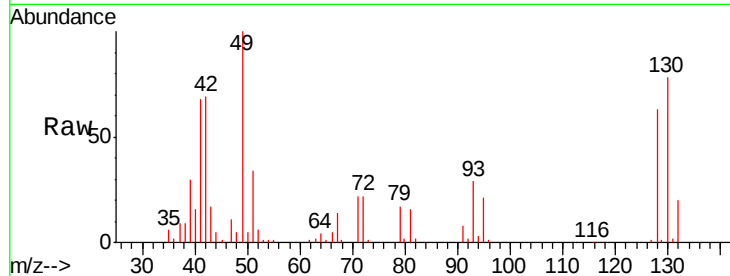
39 44.2 42.6 63.8

67 20.6 36.2 54.4#

52 9.5 15.6 23.4#

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#42

1,2-Dichloroethane

Concen: 22.168 ug/l

RT: 6.90 min Scan# 546

Delta R.T. -0.01 min

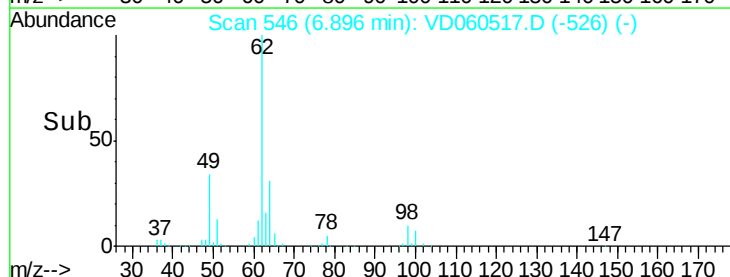
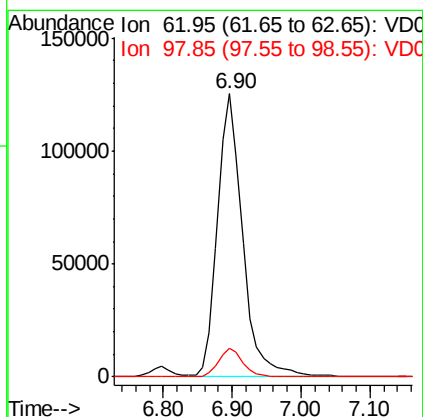
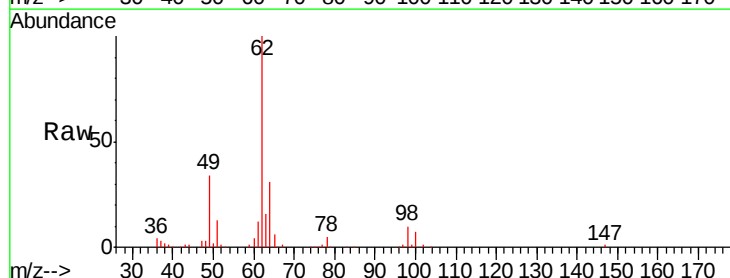
Lab File: VD060517.D

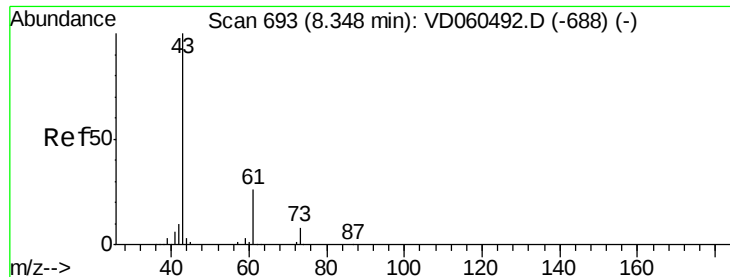
Acq: 10 Dec 2018 11:36

Tgt Ion: 62 Resp: 316251  
Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 21.918 ug/l

RT: 8.34 min Scan# 693

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

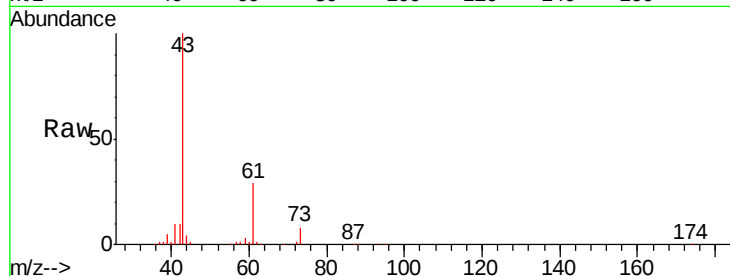
ClientSampleId :

VD1210SBS01

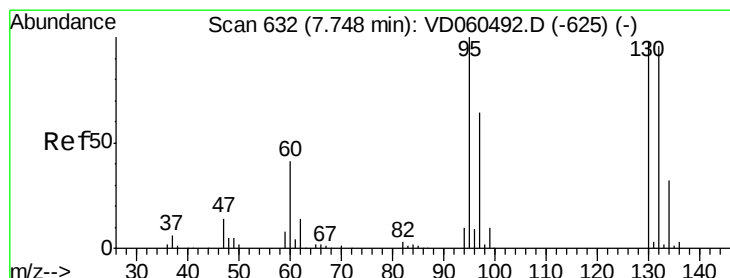
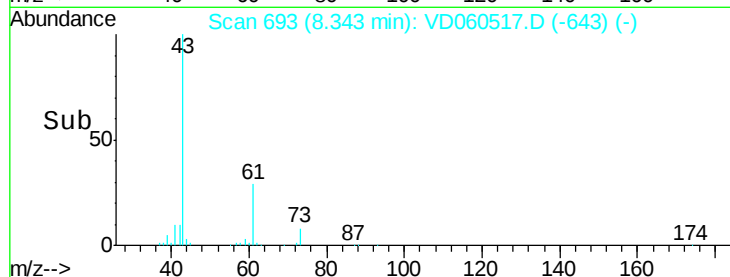
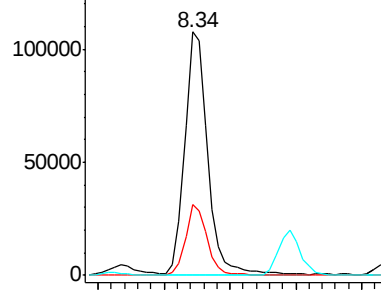
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 257610 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.9  | 21.0  | 31.4   |
| 87       | 0.3   | 0.2   | 0.2#   |

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Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 23.264 ug/l

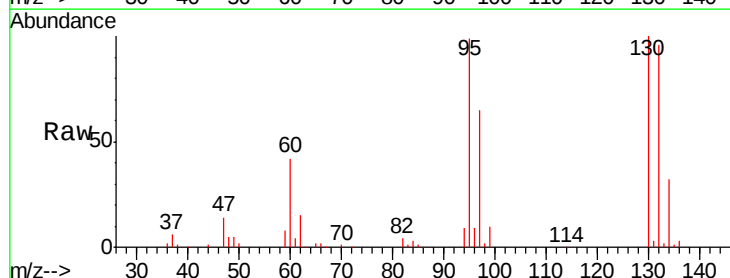
RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

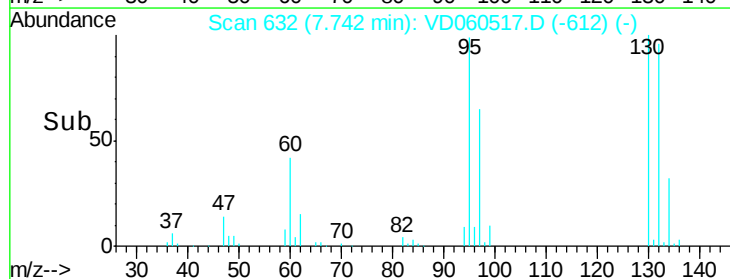
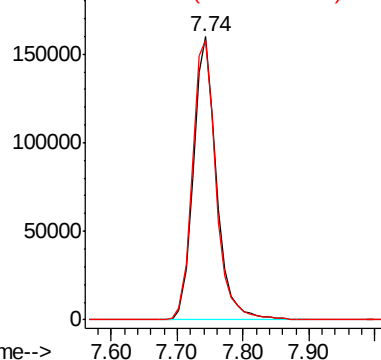
Lab File: VD060517.D

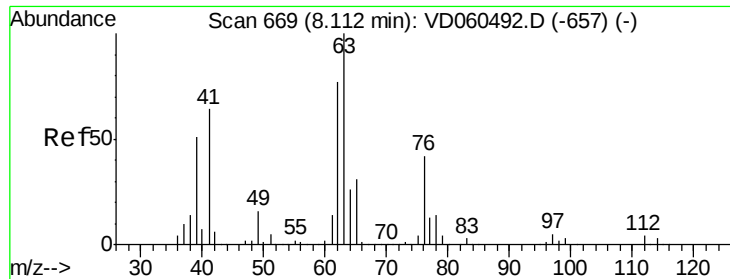
Acq: 10 Dec 2018 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 390098 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 99.0  | 0.0   | 203.8  |



Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 22.870 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 63 Resp: 317374

Ion Ratio Lower Upper

63 100

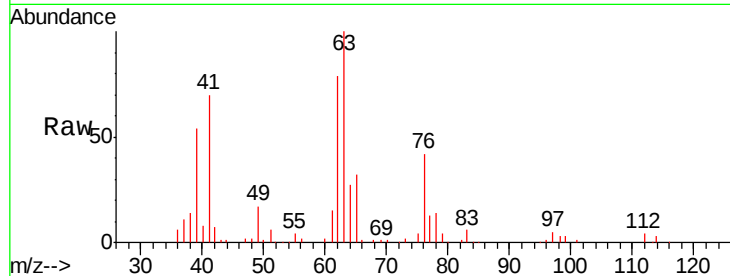
65 31.9 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

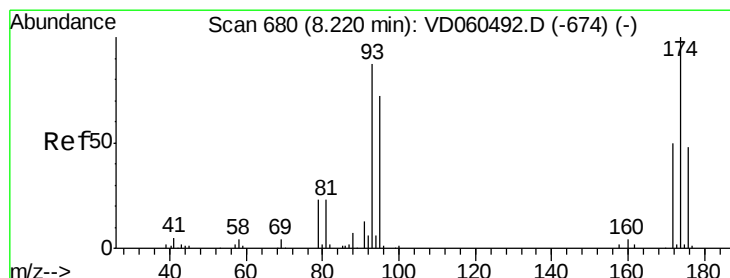
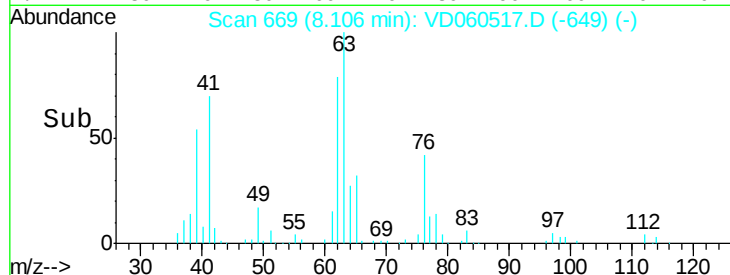
8.11

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 22.348 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

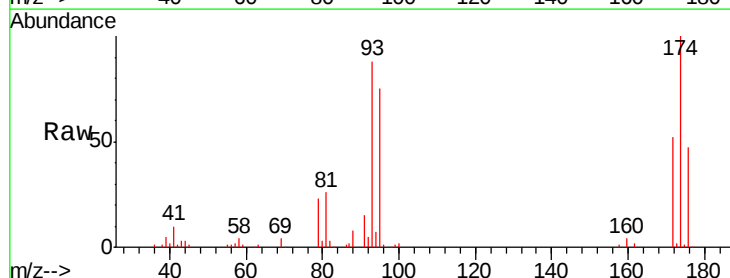
Tgt Ion: 93 Resp: 179184

Ion Ratio Lower Upper

93 100

95 85.0 65.6 98.4

174 113.3 91.7 137.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

120000

100000

80000

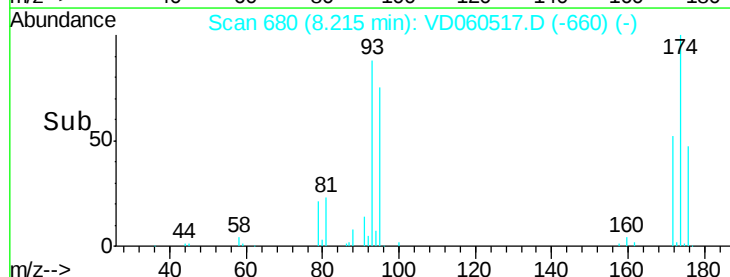
60000

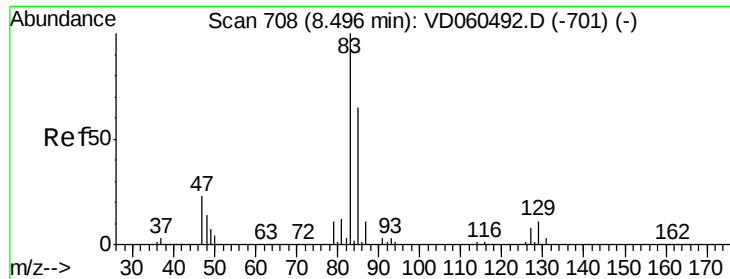
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 22.737 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

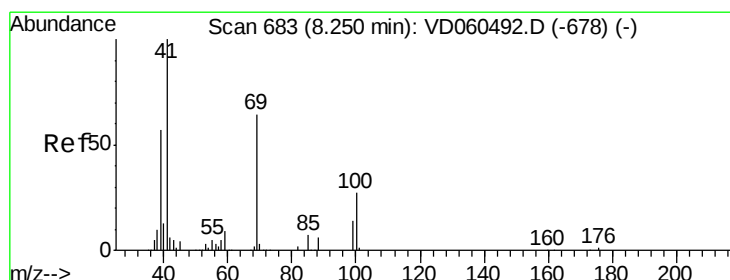
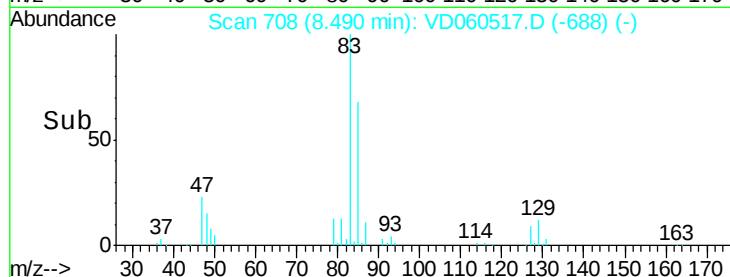
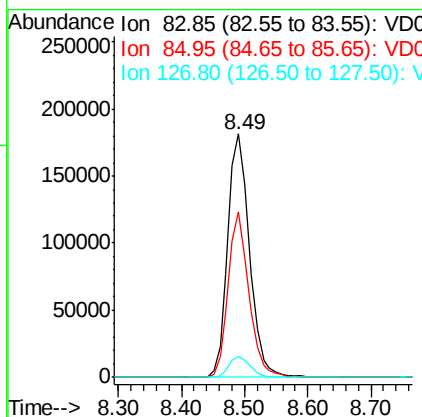
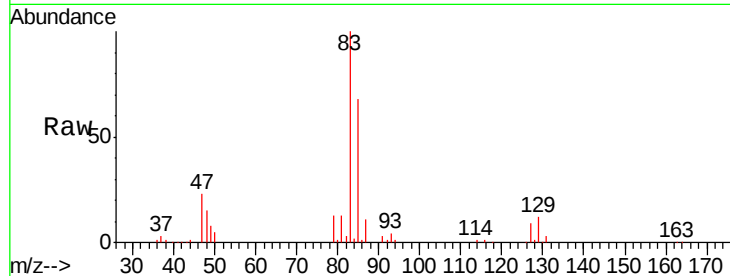
ClientSampleId :

VD1210SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 432548 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 67.9  | 52.2  | 78.4   |
| 127      | 8.7   | 6.7   | 10.1   |

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#48

Methyl methacrylate

Concen: 23.483 ug/l

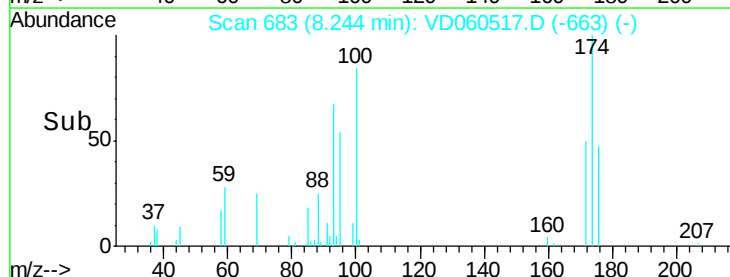
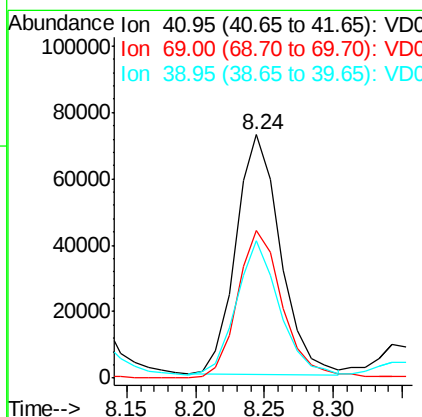
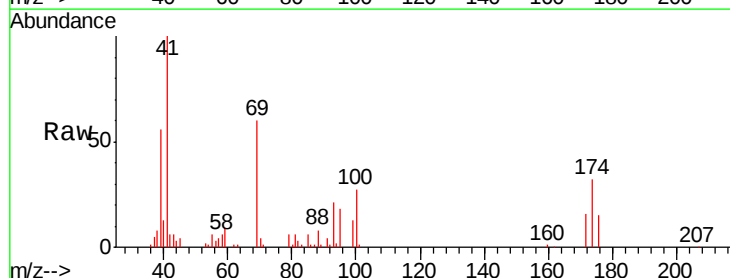
RT: 8.24 min Scan# 683

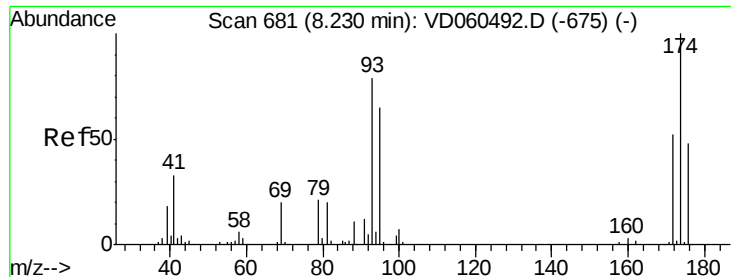
Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 163314 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 60.4  | 50.2  | 75.4   |
| 39       | 56.2  | 46.1  | 69.1   |





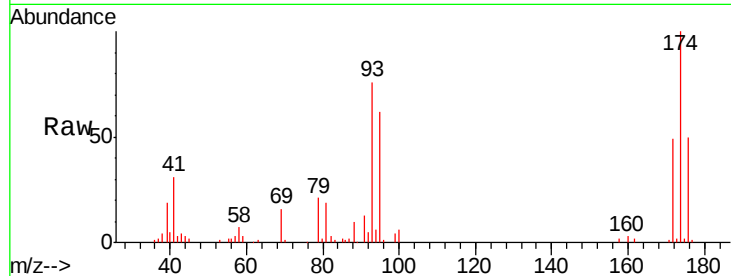
#49  
1,4-Dioxane  
Concen: 473.188 ug/l  
RT: 8.22 min Scan# 681  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

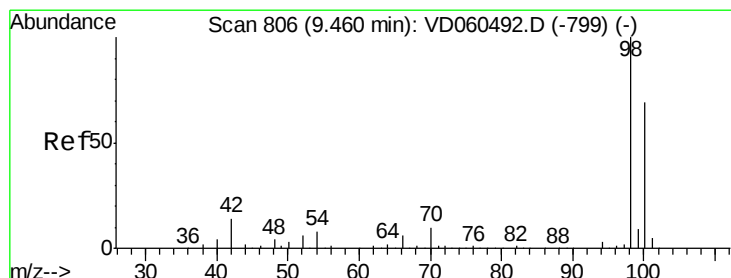
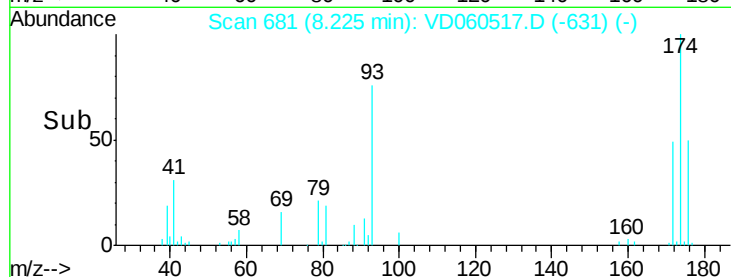
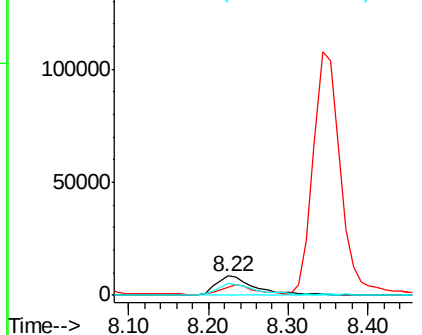
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 39.2  | 32.9  | 49.3  |
| 58      | 63.8  | 47.7  | 71.5  |

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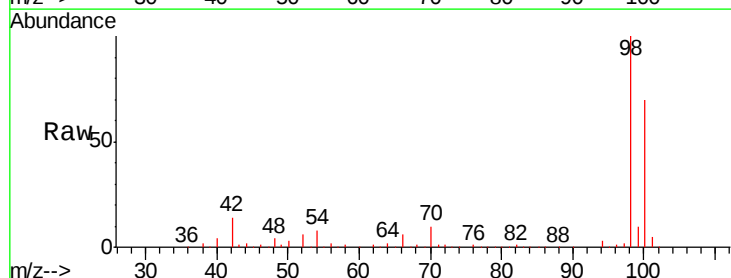


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

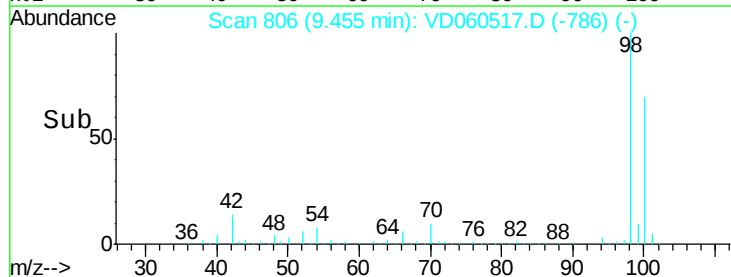
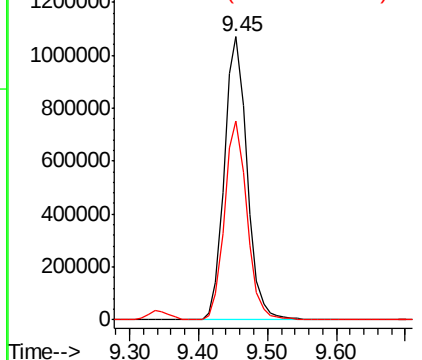


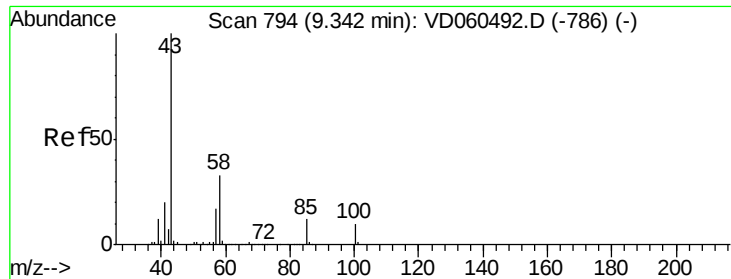
#50  
Toluene-d8  
Concen: 473.188 ug/l  
RT: 9.45 min Scan# 806  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 70.2  | 55.7  | 83.5  |



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





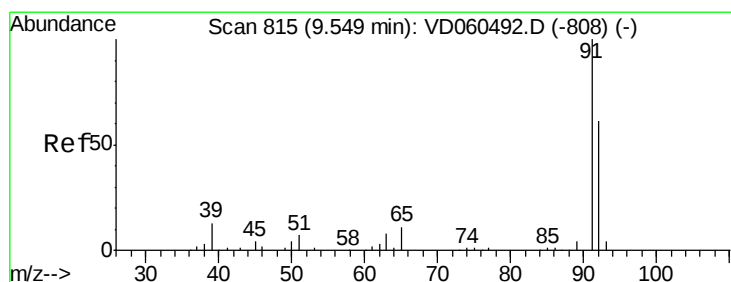
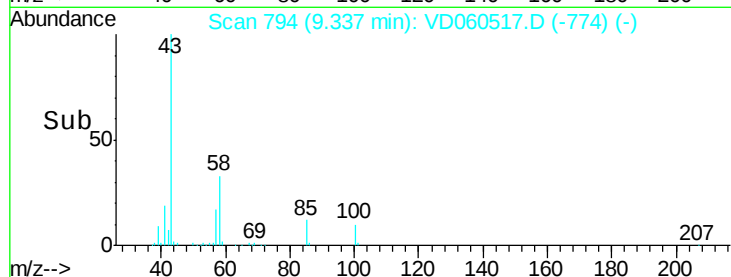
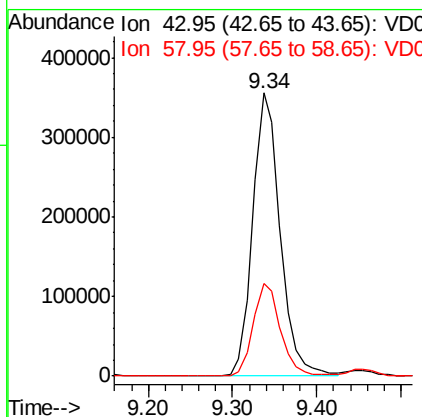
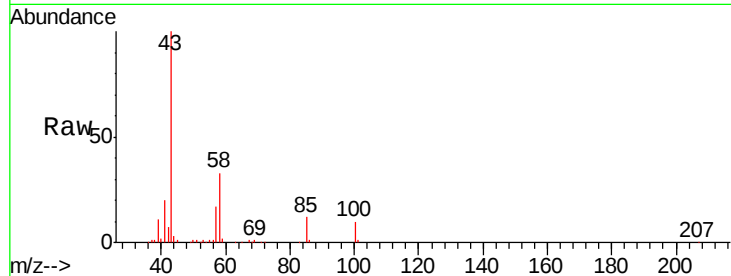
#51  
4-Methyl-2-Pentanone  
Concen: 111.734 ug/l  
RT: 9.34 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 43 Resp: 816899  
Ion Ratio Lower Upper  
43 100  
58 32.5 26.3 39.5

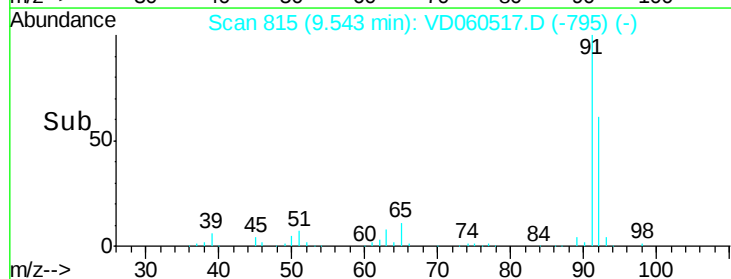
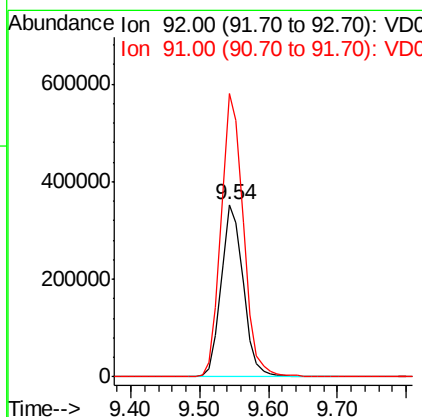
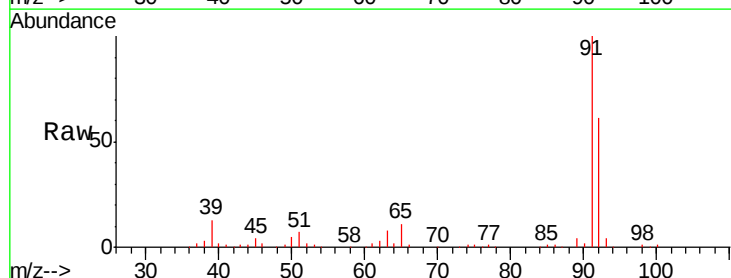
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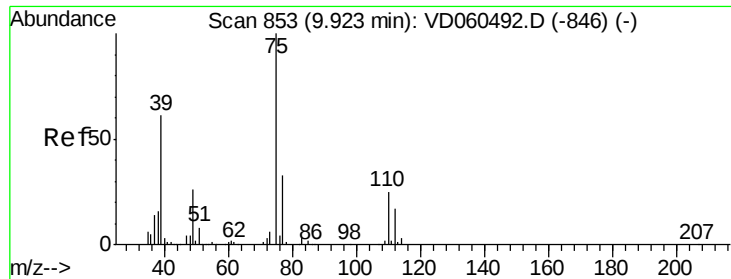
MMDadoda  
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#52  
Toluene  
Concen: 22.399 ug/l  
RT: 9.54 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 92 Resp: 785504  
Ion Ratio Lower Upper  
92 100  
91 164.4 131.7 197.5





#53

t-1,3-Dichloropropene

Concen: 22.498 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 75 Resp: 351684

Ion Ratio Lower Upper

75 100

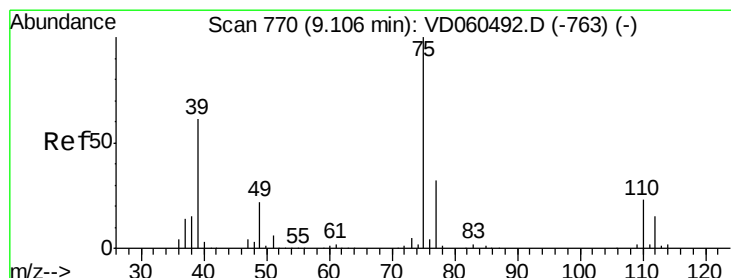
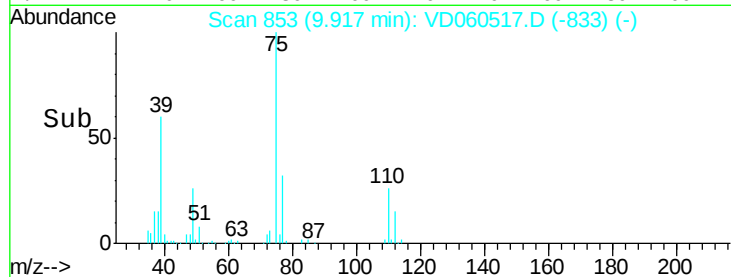
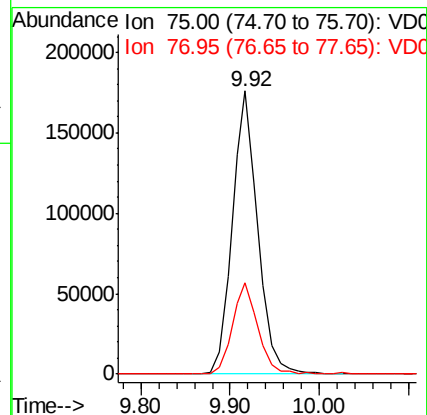
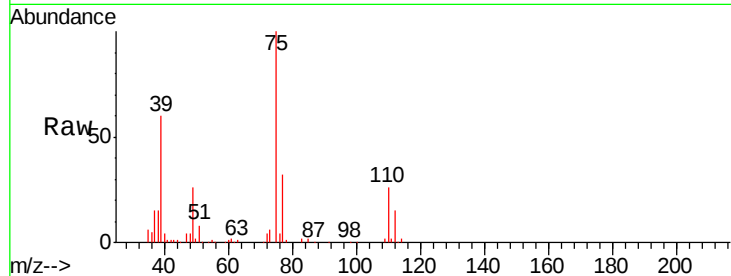
77 32.4 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 22.621 ug/l

RT: 9.10 min Scan# 770

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

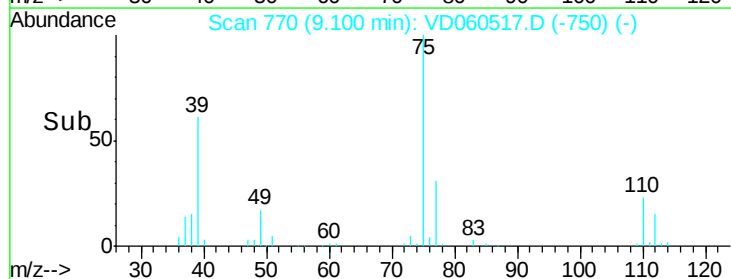
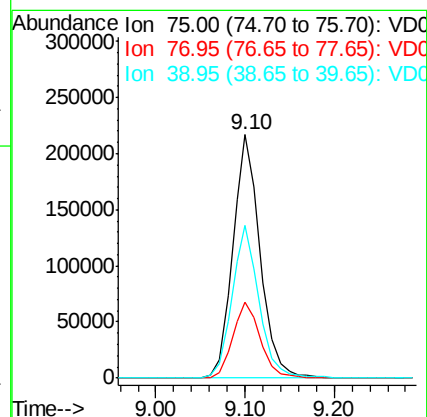
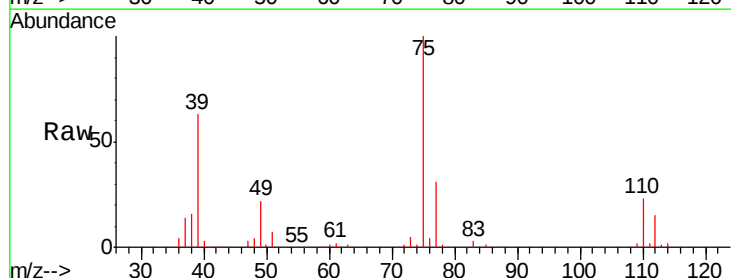
Tgt Ion: 75 Resp: 464599

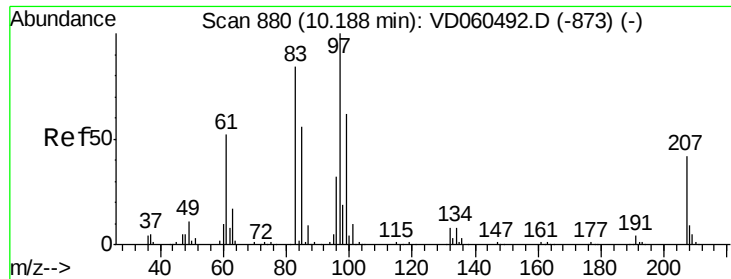
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 62.5 48.6 73.0





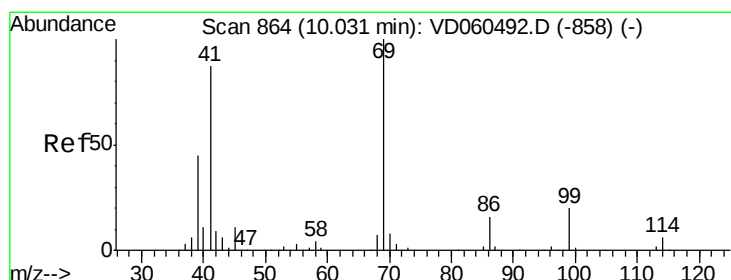
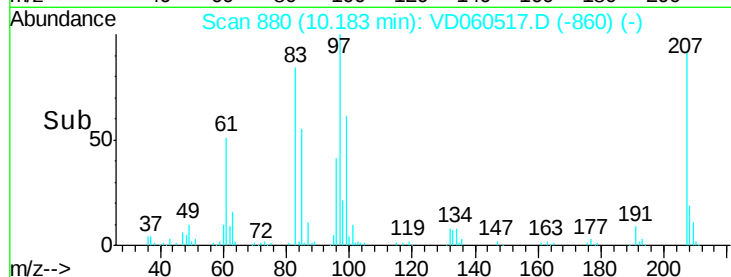
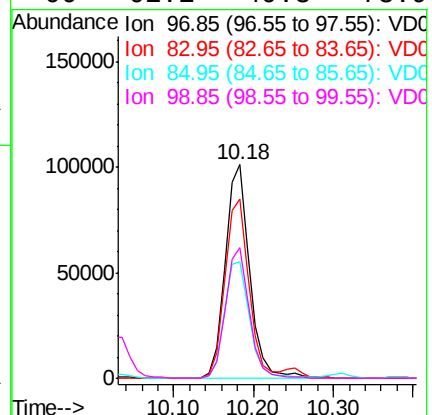
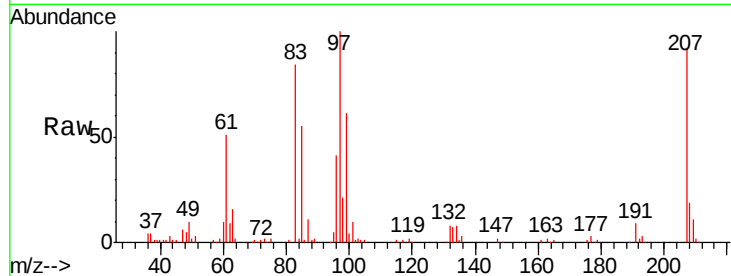
#55  
 1,1,2-Trichloroethane  
 Concen: 22.351 ug/l  
 RT: 10.18 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 97      | 100   | 218282 |       |       |
| 83      | 83.9  | 67.2   | 100.8 |       |
| 85      | 54.7  | 44.5   | 66.7  |       |
| 99      | 61.1  | 49.3   | 73.9  |       |

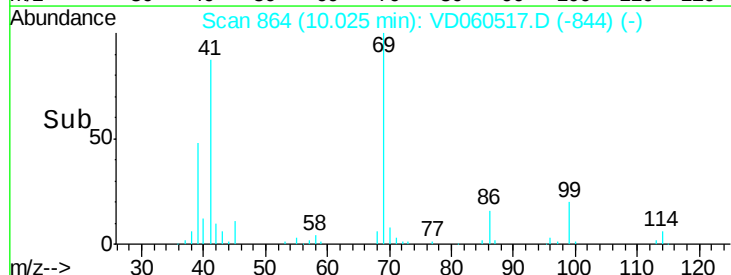
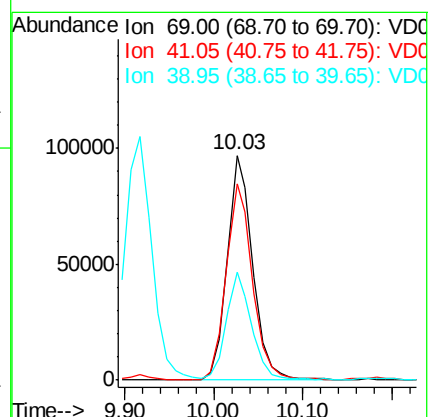
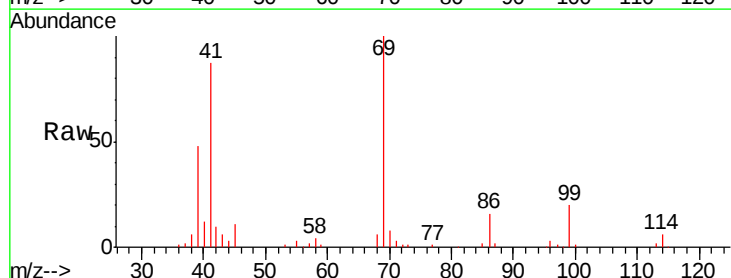
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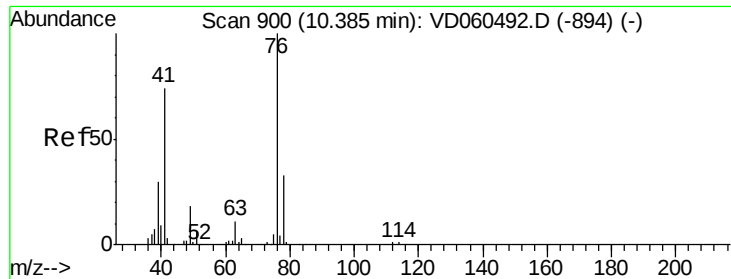
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#56  
 Ethyl methacrylate  
 Concen: 22.143 ug/l  
 RT: 10.03 min Scan# 864  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 69      | 100   | 195717 |       |       |
| 41      | 87.1  | 69.8   | 104.8 |       |
| 39      | 48.2  | 37.5   | 56.3  |       |





#57

1,3-Dichloropropane

Concen: 21.886 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 76 Resp: 330411

Ion Ratio Lower Upper

76 100

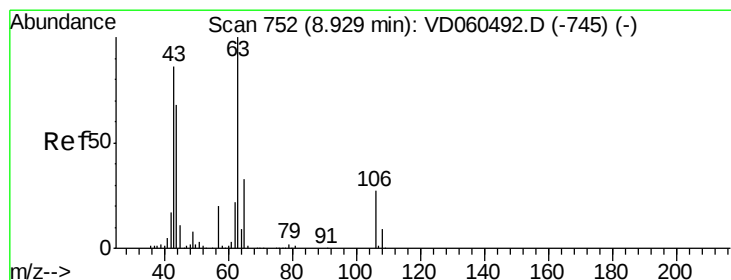
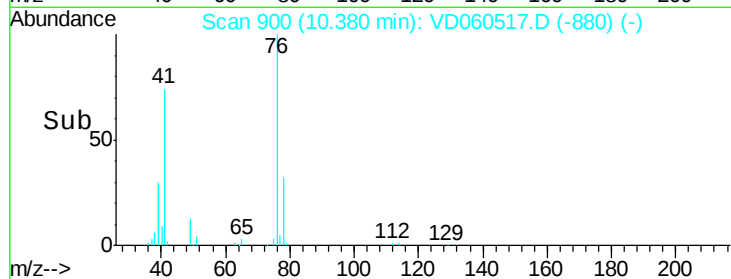
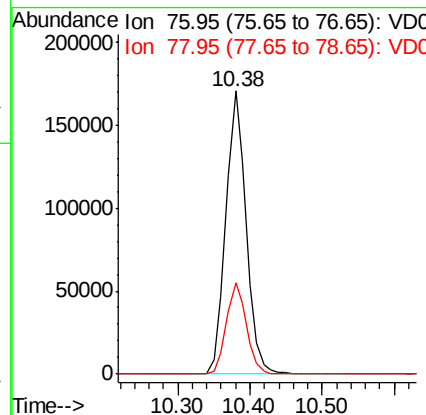
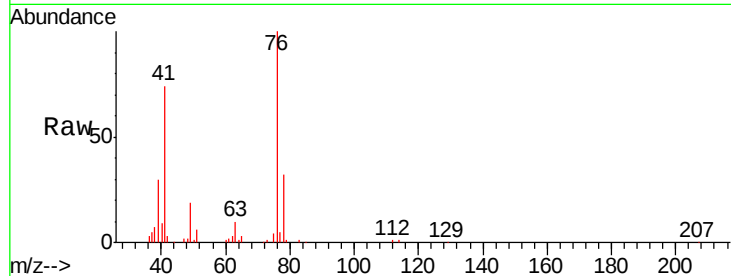
78 32.2 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 108.551 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060517.D

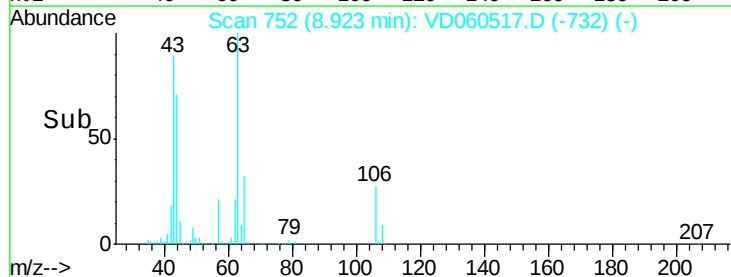
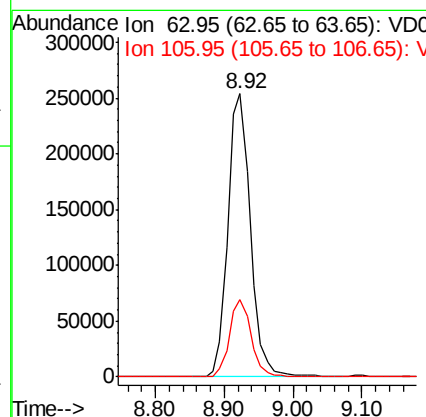
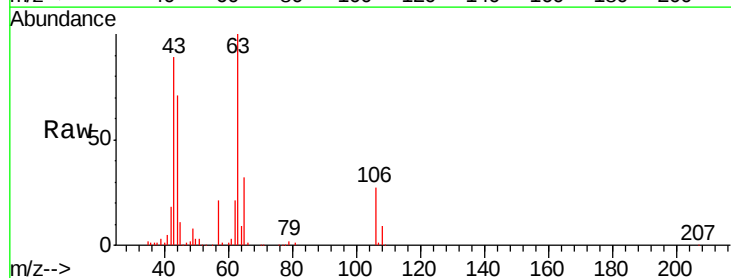
Acq: 10 Dec 2018 11:36

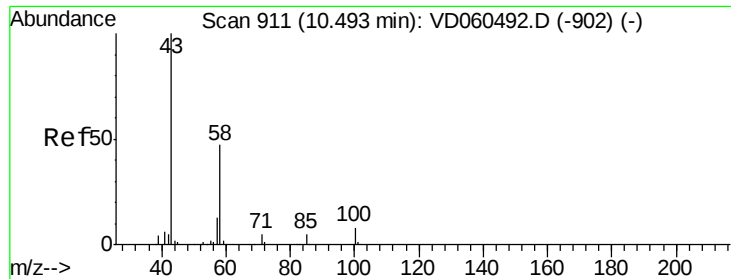
Tgt Ion: 63 Resp: 574074

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





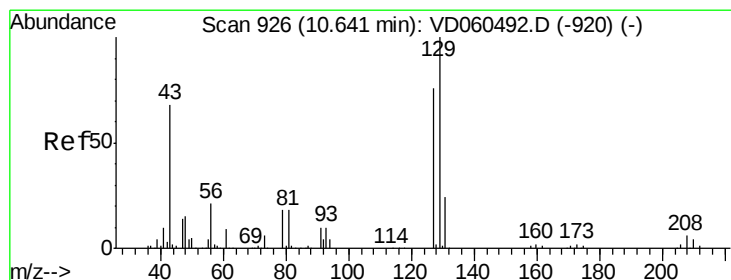
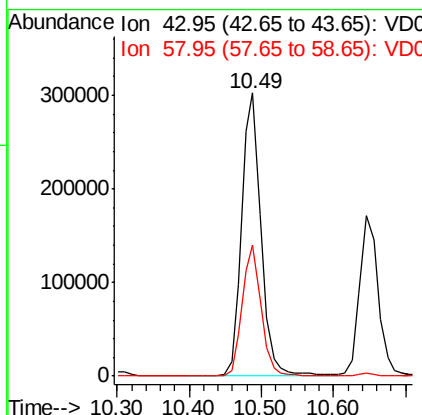
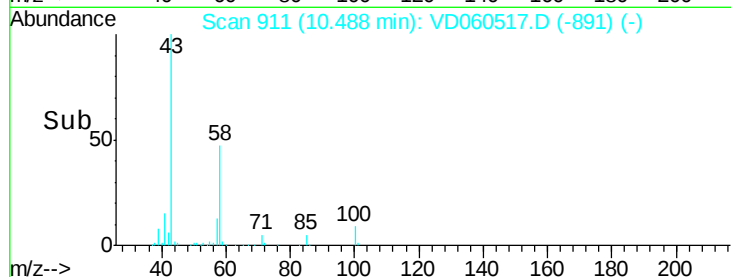
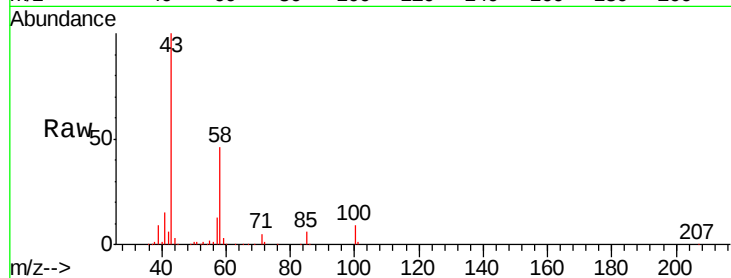
#59  
2-Hexanone  
Concen: 111.600 ug/l  
RT: 10.49 min Scan# 911  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 43 Resp: 570309  
Ion Ratio Lower Upper  
43 100  
58 46.4 23.4 70.2

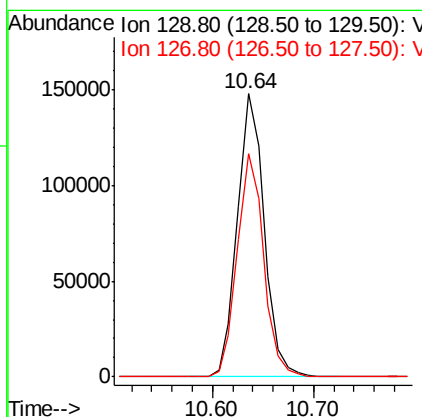
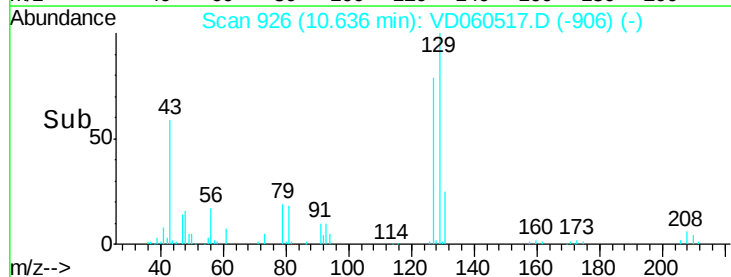
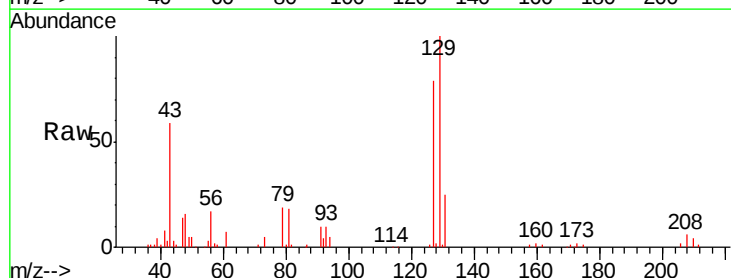
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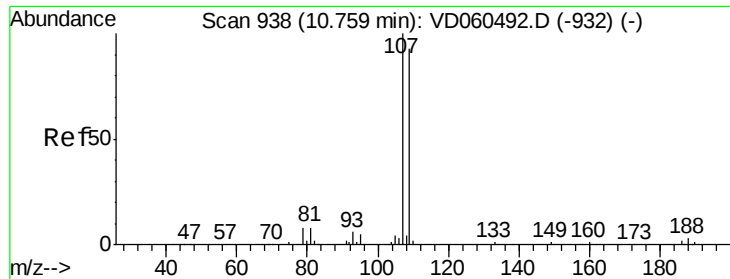
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#60  
Dibromochloromethane  
Concen: 22.498 ug/l  
RT: 10.64 min Scan# 926  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 129 Resp: 274711  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.1 114.3





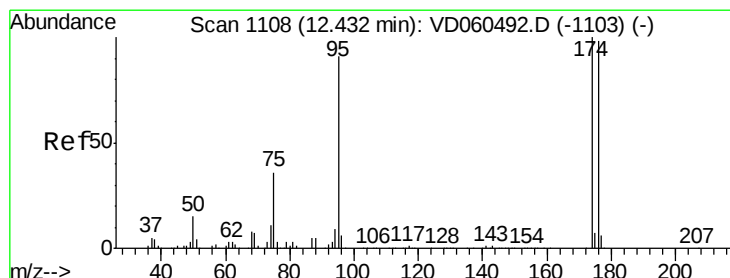
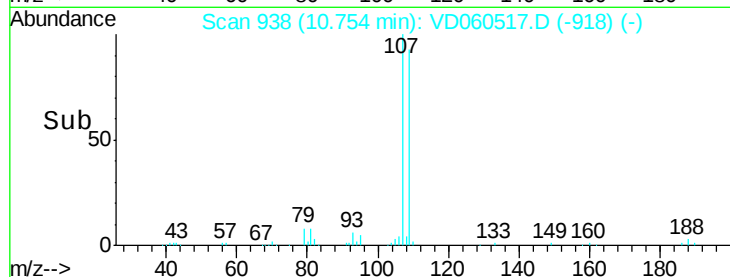
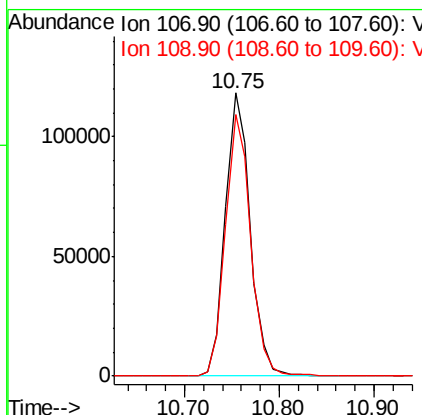
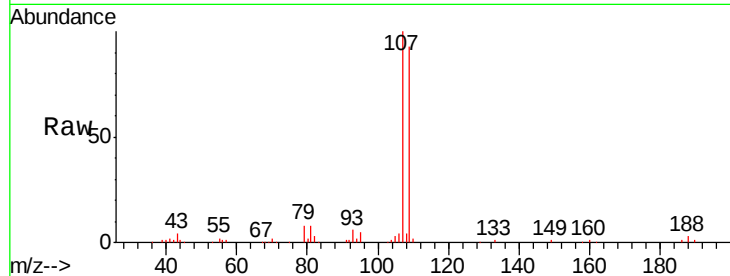
#61  
1,2-Dibromoethane  
Concen: 21.576 ug/l  
RT: 10.75 min Scan# 938  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 107 Resp: 214743  
Ion Ratio Lower Upper  
107 100  
109 92.6 74.7 112.1

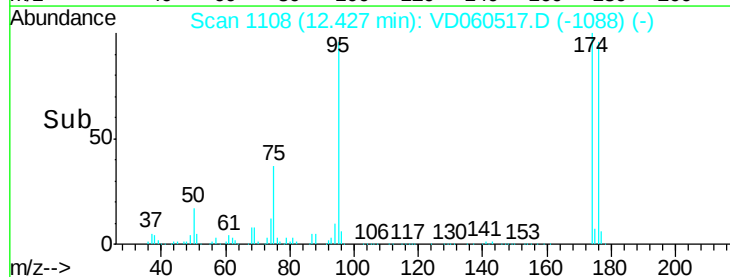
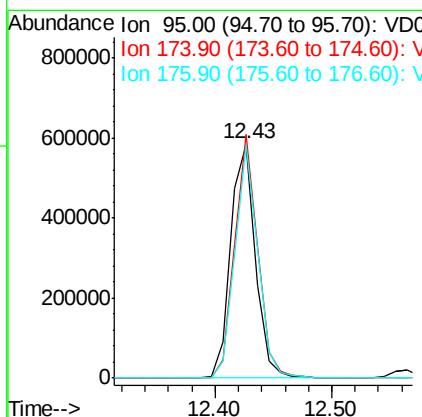
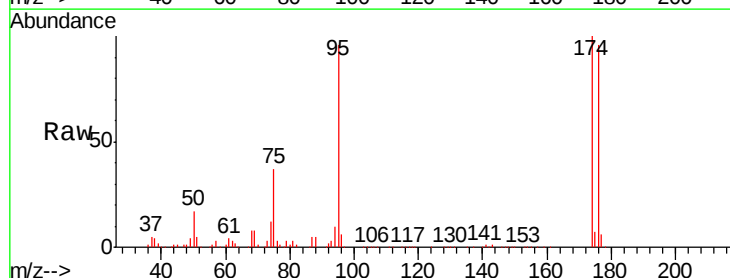
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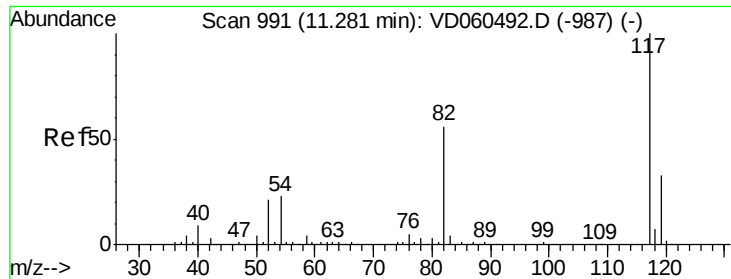
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#62  
4-Bromofluorobenzene  
Concen: 21.576 ug/l  
RT: 12.43 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 95 Resp: 855423  
Ion Ratio Lower Upper  
95 100  
174 104.1 0.0 219.4  
176 99.8 0.0 214.6





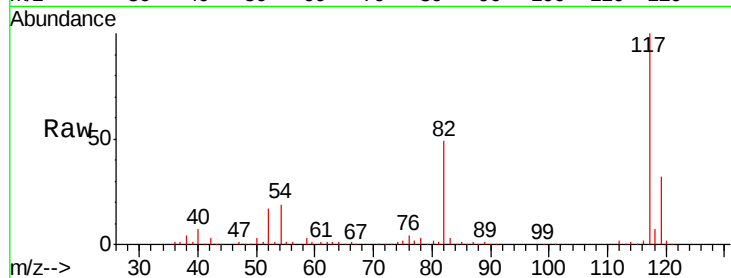
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.29 min Scan# 992  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

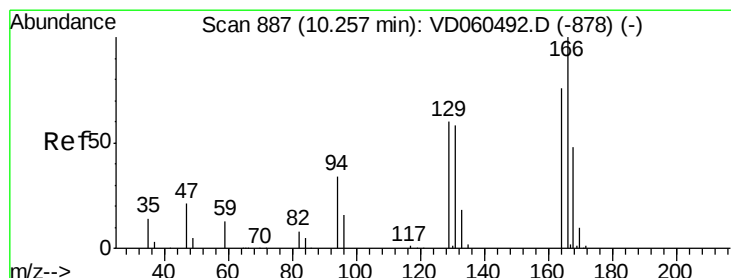
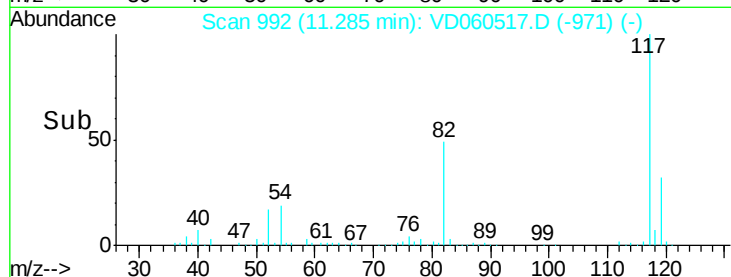
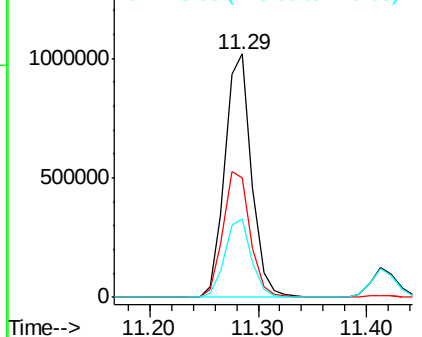
Tgt Ion:117 Resp: 1752300  
Ion Ratio Lower Upper  
117 100  
82 49.0 45.2 67.8  
119 32.3 26.1 39.1

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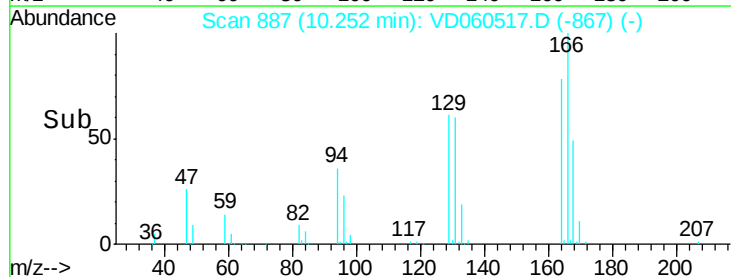
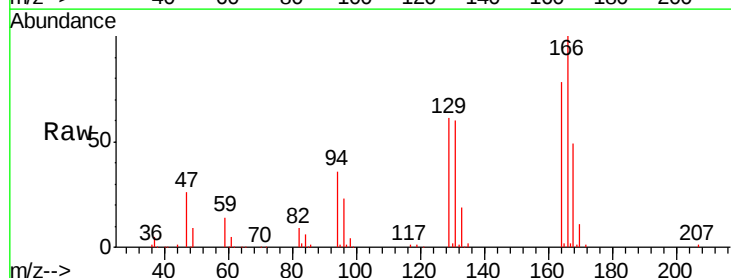
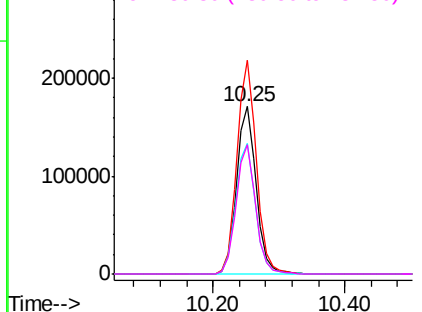
Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#64  
Tetrachloroethene  
Concen: 23.076 ug/l  
RT: 10.25 min Scan# 887  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion:164 Resp: 358057  
Ion Ratio Lower Upper  
164 100  
166 127.5 105.0 157.6  
129 78.0 63.0 94.4  
131 77.1 60.6 90.8

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





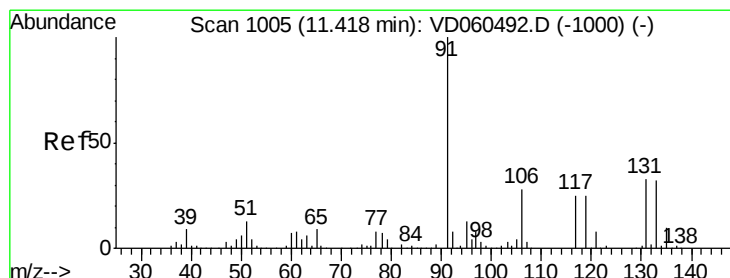
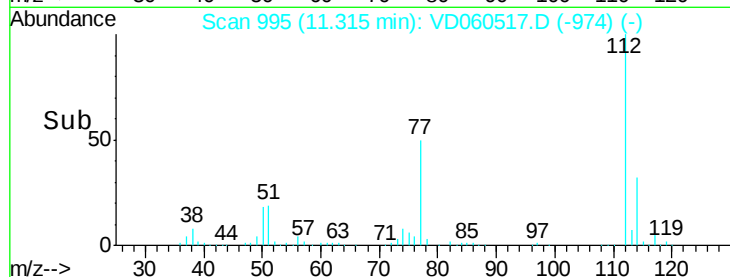
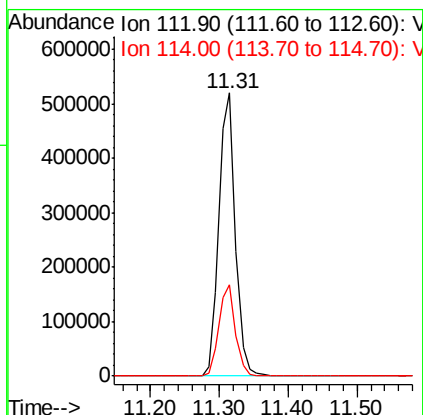
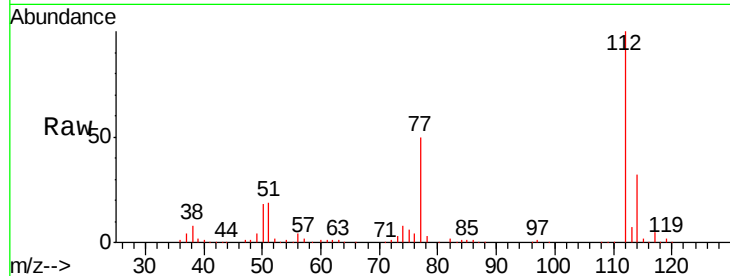
#65  
Chlorobenzene  
Concen: 23.210 ug/l  
RT: 11.31 min Scan# 995  
Delta R.T. 0.00 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion:112 Resp: 860432  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.2 39.4

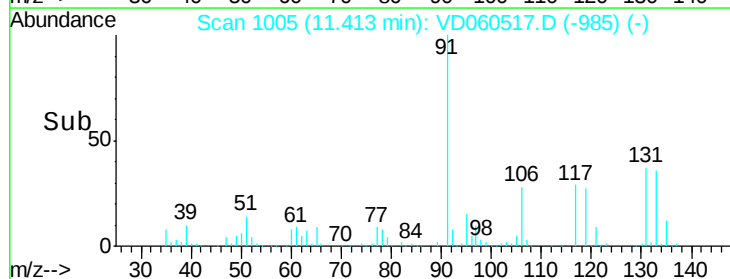
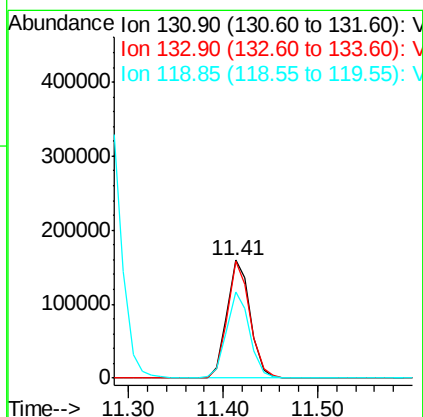
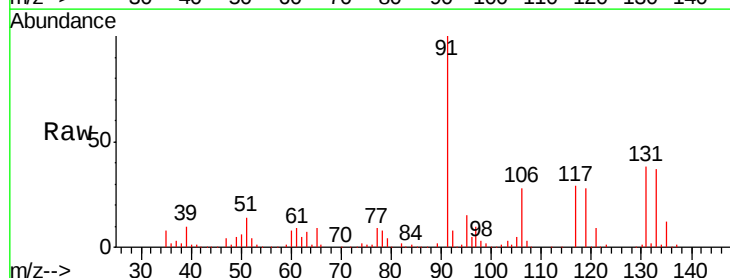
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.659 ug/l  
RT: 11.41 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion:131 Resp: 270741  
Ion Ratio Lower Upper  
131 100  
133 98.8 49.1 147.3  
119 73.6 37.5 112.3





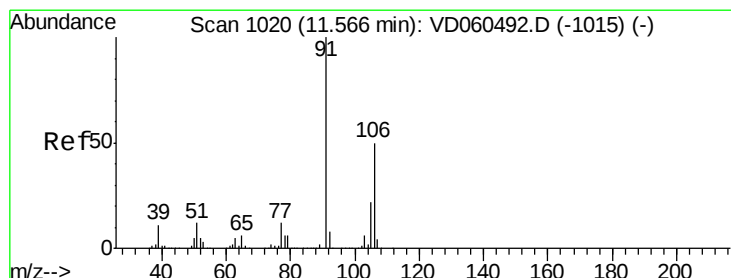
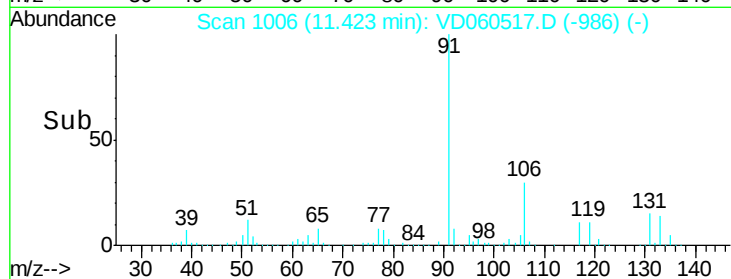
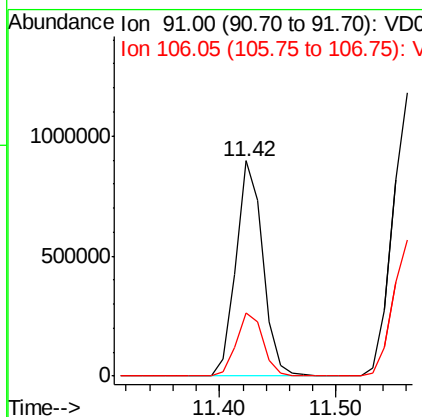
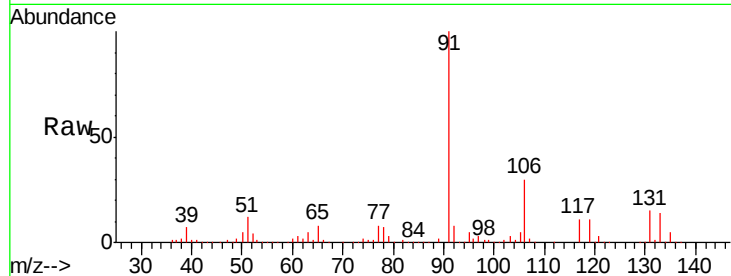
#67  
Ethyl Benzene  
Concen: 22.684 ug/l  
RT: 11.42 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 91 Resp: 1434376  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.6 37.0

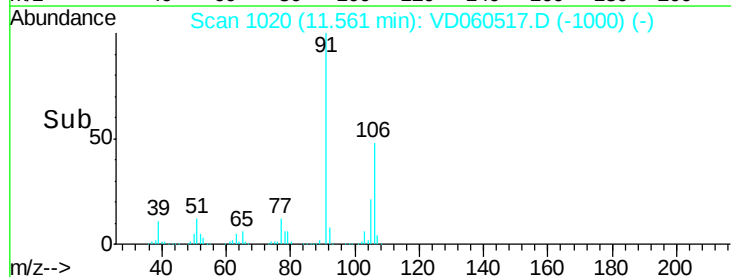
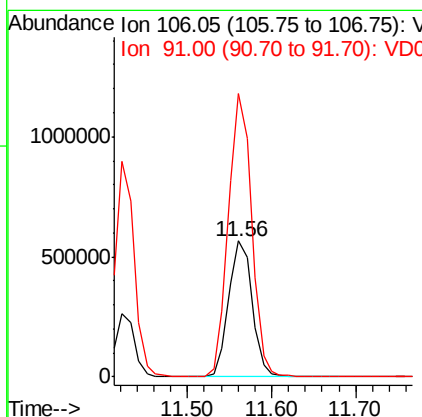
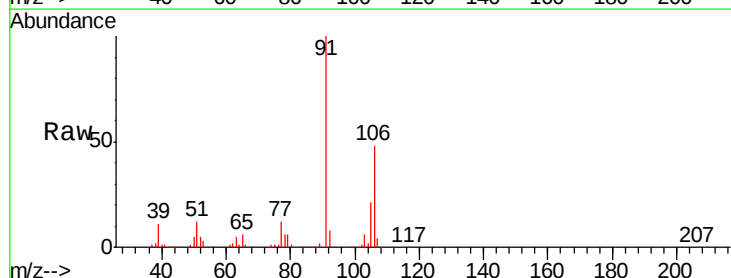
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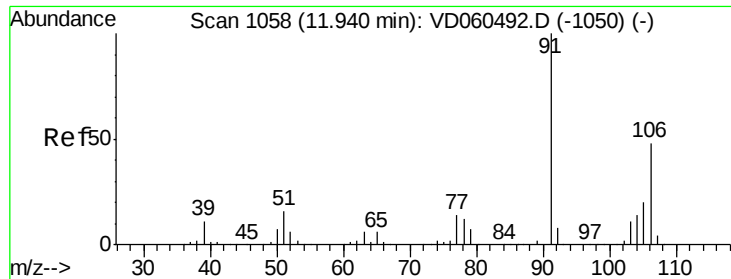
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#68  
m/p-Xylenes  
Concen: 47.161 ug/l  
RT: 11.56 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 106 Resp: 1103234  
Ion Ratio Lower Upper  
106 100  
91 208.5 160.5 240.7





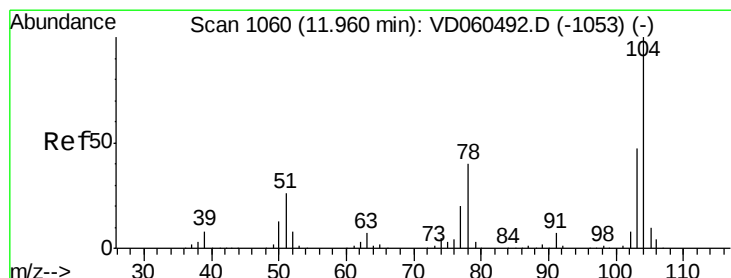
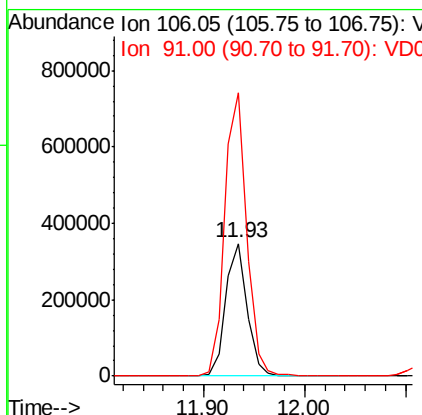
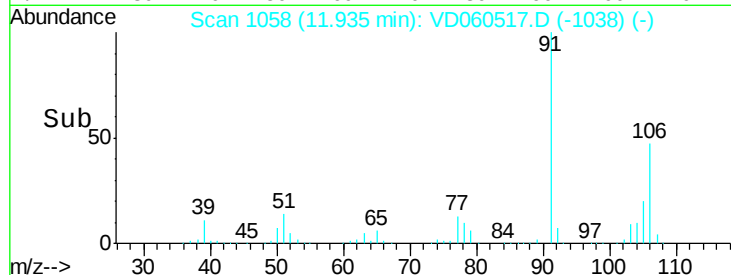
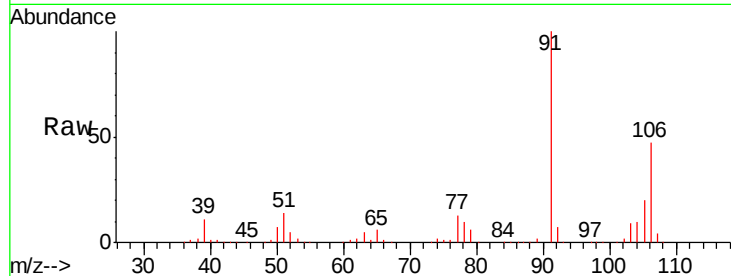
#69  
o-Xylene  
Concen: 22.983 ug/l  
RT: 11.93 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion:106 Resp: 512376  
Ion Ratio Lower Upper  
106 100  
91 213.8 103.4 310.1

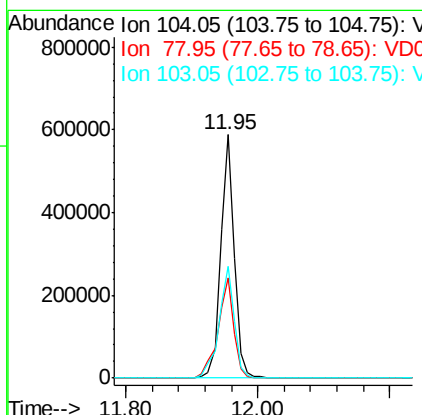
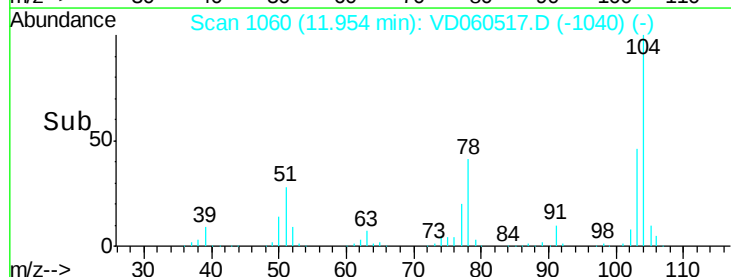
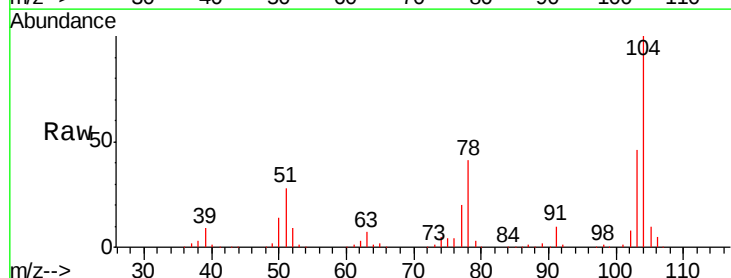
Manual Integrations  
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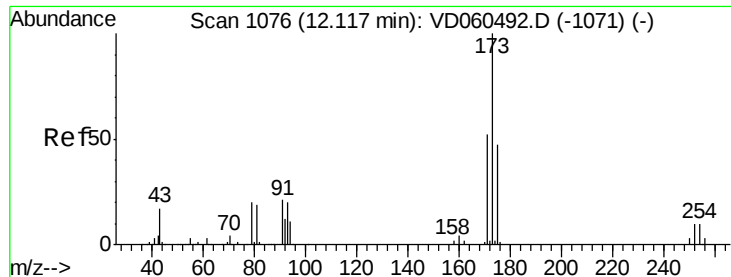
MMDadoda  
12/11/2018 4:15:07 PM



#70  
Styrene  
Concen: 23.304 ug/l  
RT: 11.95 min Scan# 1060  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion:104 Resp: 833903  
Ion Ratio Lower Upper  
104 100  
78 41.1 32.1 48.1  
103 46.1 37.2 55.8





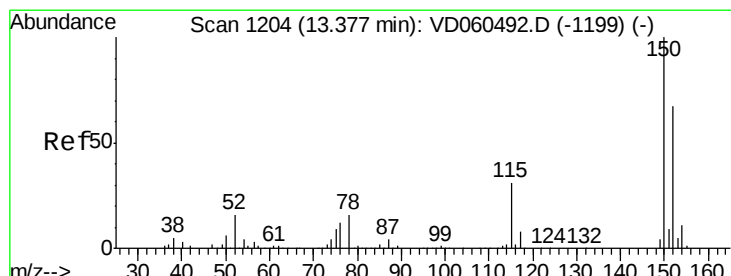
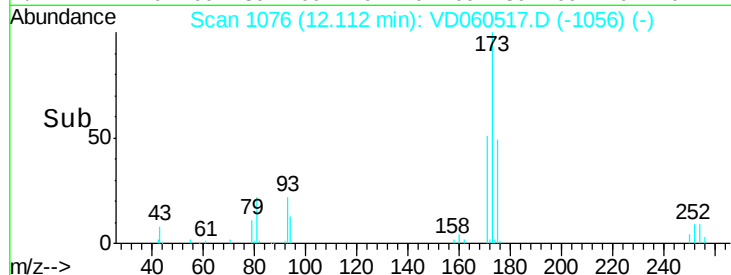
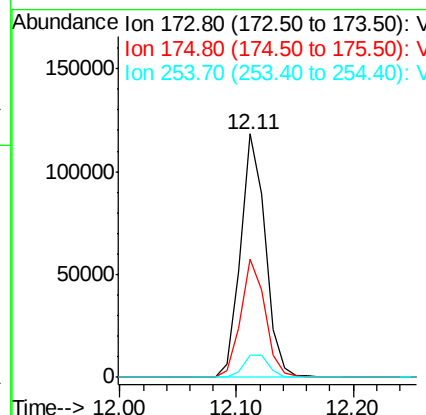
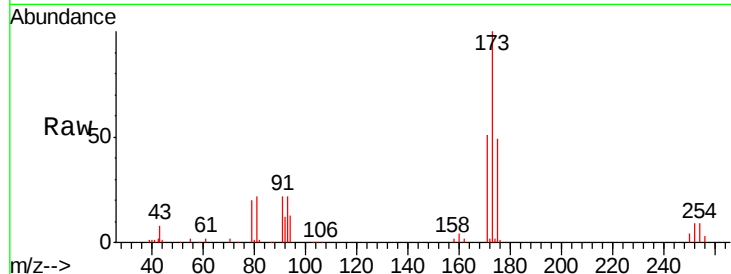
#71  
Bromoform  
Concen: 21.893 ug/l  
RT: 12.11 min Scan# 1076  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.8  | 23.5  | 70.6  |
| 254     | 9.4   | 7.8   | 11.8  |

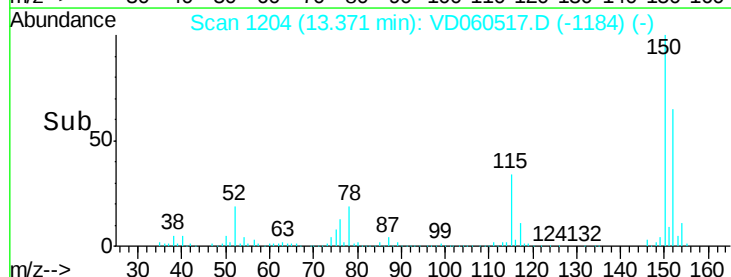
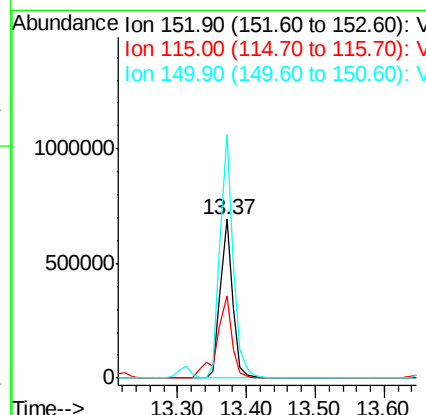
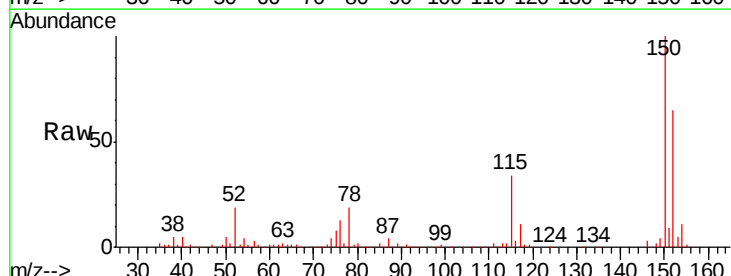
Manual Integrations  
APPROVED

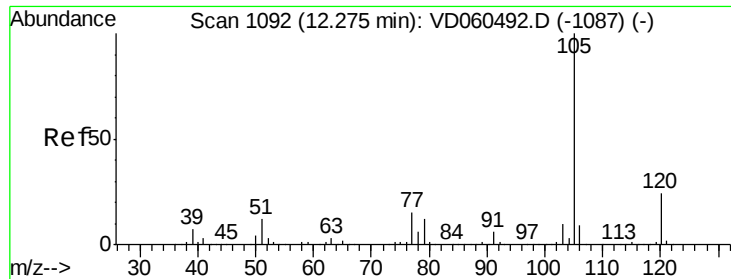
MMDadoda  
12/11/2018 4:15:07 PM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.37 min Scan# 1204  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 51.6  | 24.6  | 74.0  |
| 150     | 153.4 | 0.0   | 309.0 |





#73

Isopropylbenzene

Concen: 23.227 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 105 Resp: 1420000

Ion Ratio Lower Upper

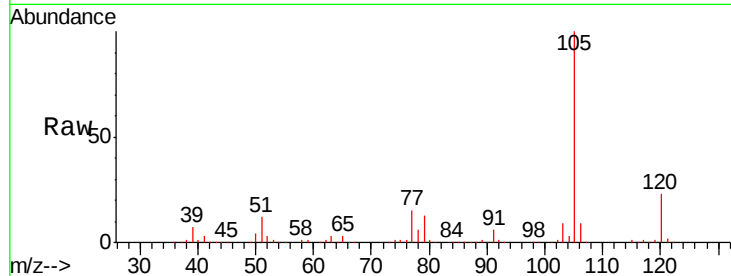
105 100

120 23.1 11.9 35.9

Manual Integrations  
APPROVED

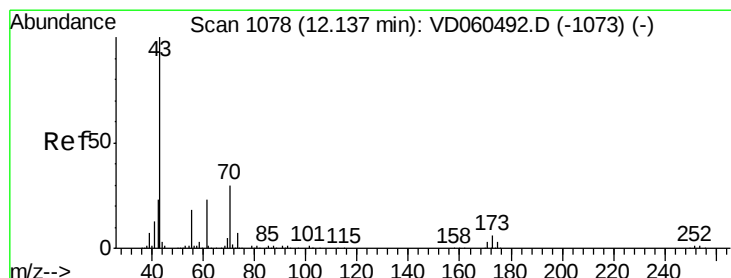
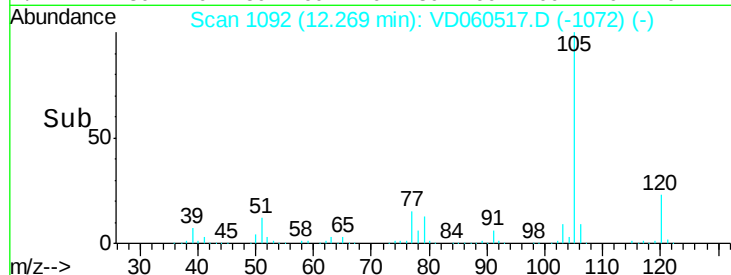
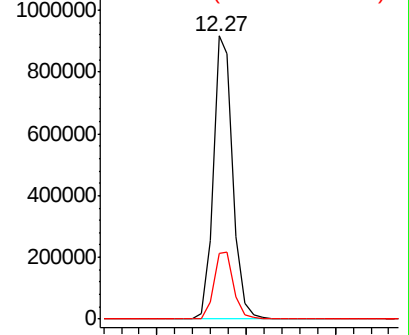
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.433 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Tgt Ion: 43 Resp: 331455

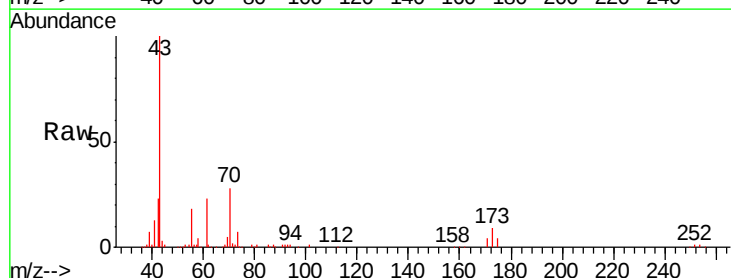
Ion Ratio Lower Upper

43 100

70 28.4 23.8 35.8

55 17.7 14.2 21.2

61 23.5 18.1 27.1

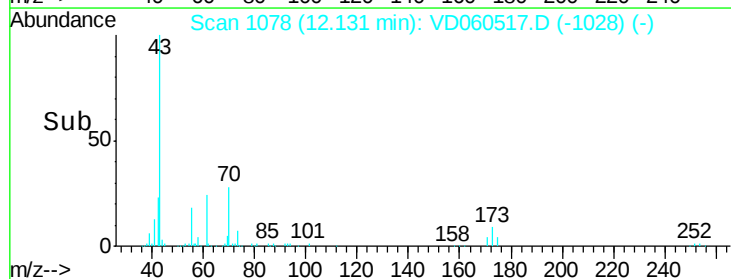
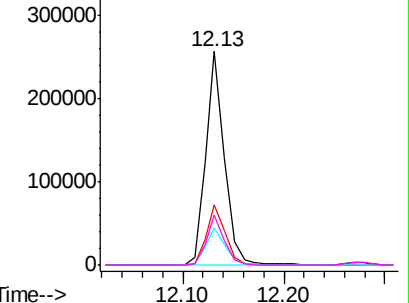


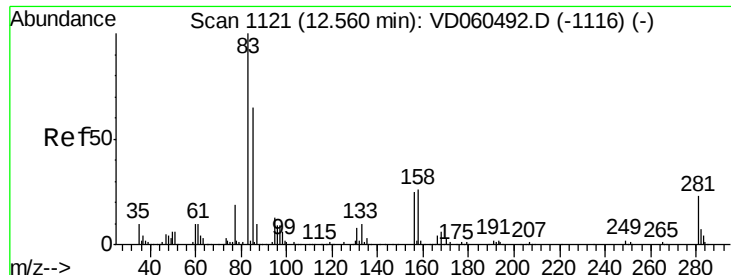
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.947 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 83 Resp: 214803

Ion Ratio Lower Upper

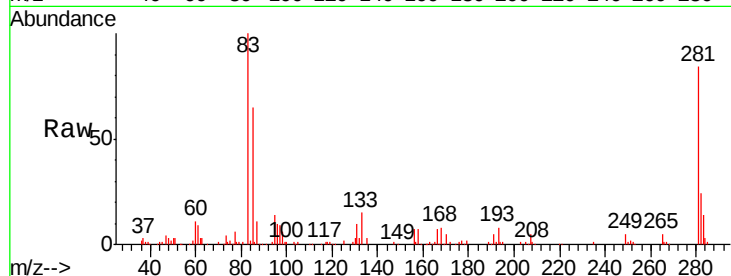
83 100

131 9.8 3.8 11.4

85 64.7 32.3 96.9

Manual Integrations  
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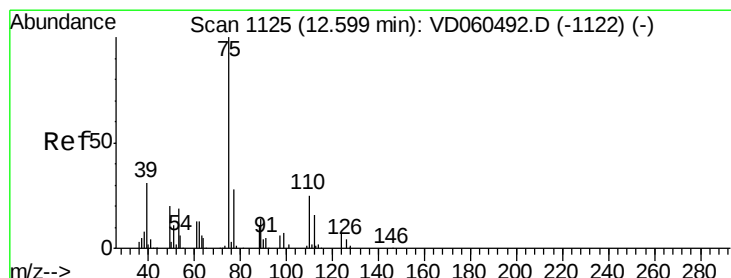
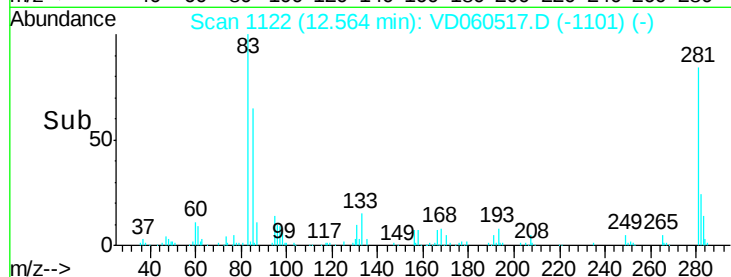
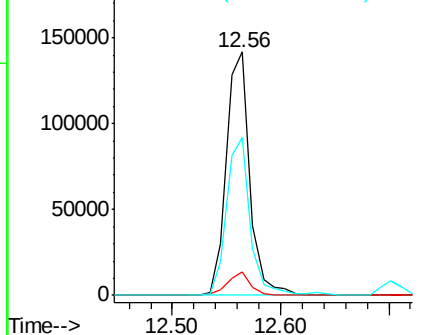
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.189 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060517.D

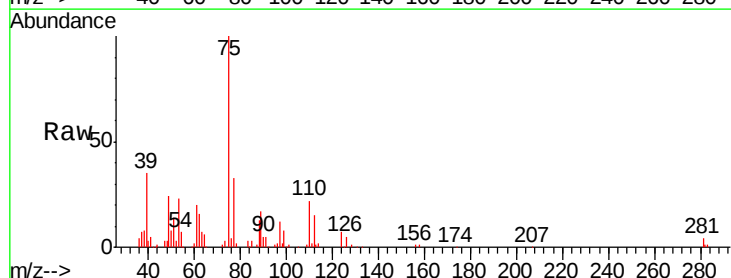
Acq: 10 Dec 2018 11:36

Tgt Ion: 75 Resp: 217204

Ion Ratio Lower Upper

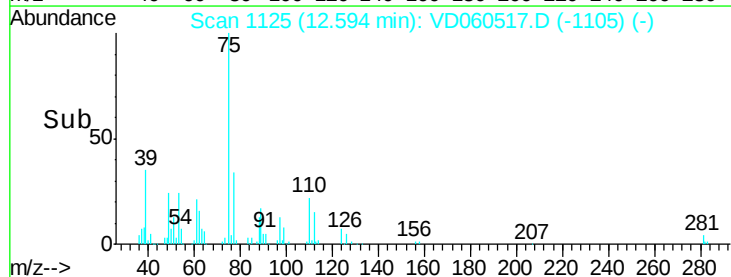
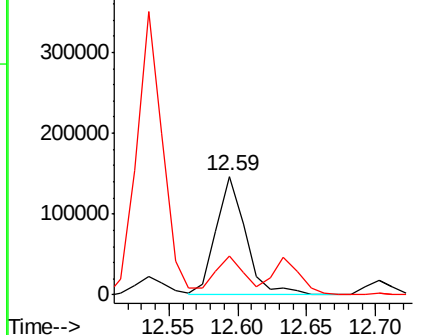
75 100

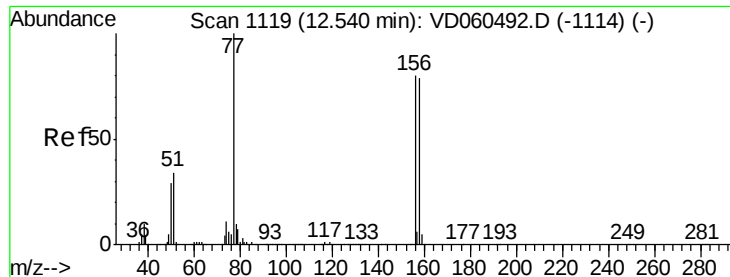
77 32.9 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.866 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

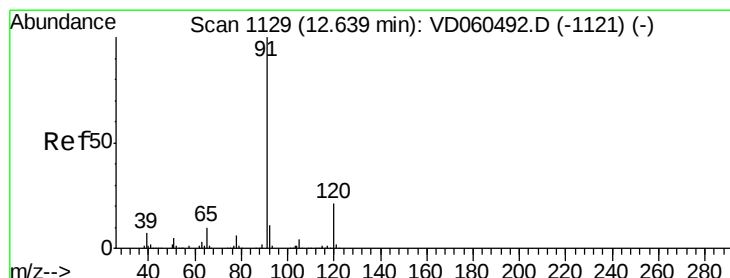
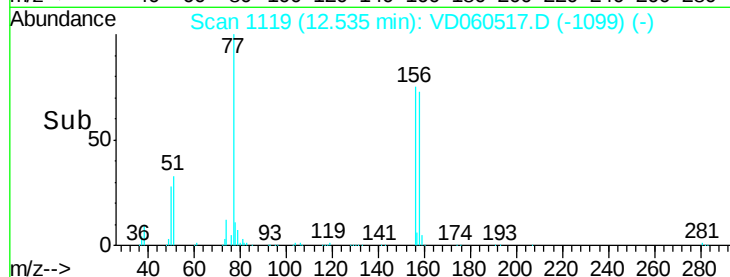
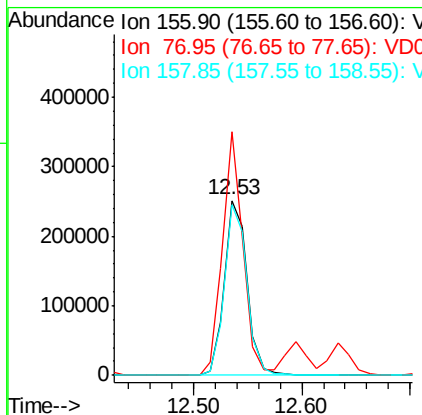
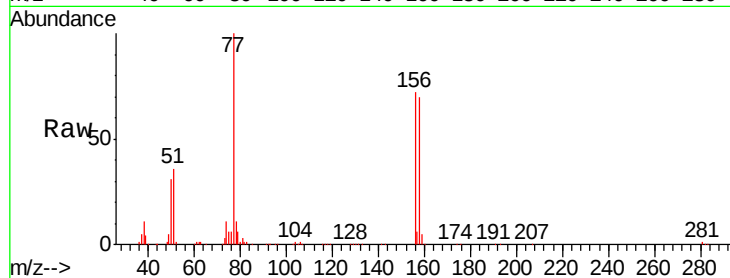
ClientSampleId :

VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 139.1 | 62.5  | 187.6 |
| 158     | 97.5  | 49.4  | 148.2 |

Manual Integrations  
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#78

n-propylbenzene

Concen: 23.358 ug/l

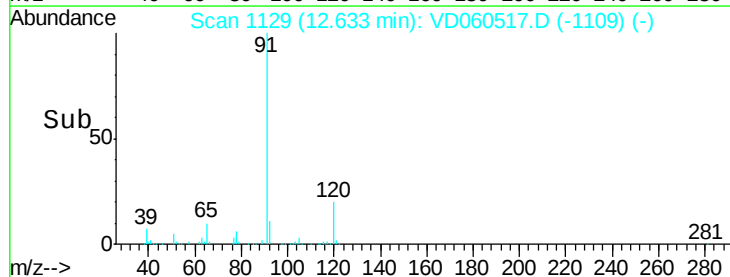
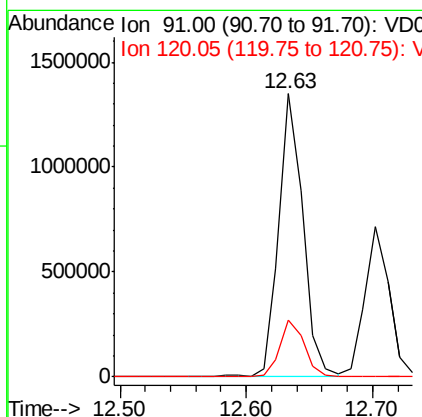
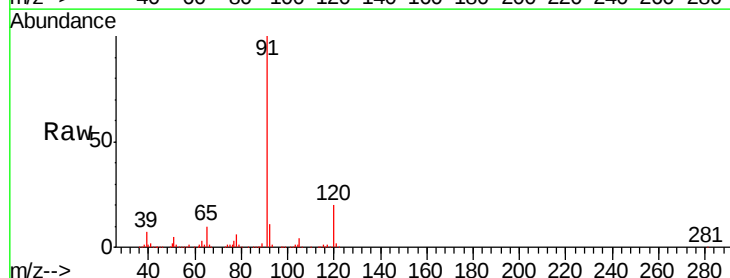
RT: 12.63 min Scan# 1129

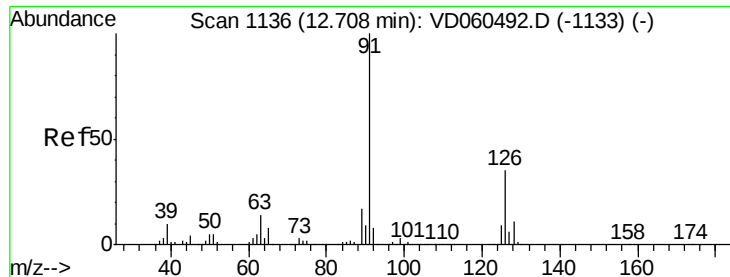
Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 20.1  | 10.4  | 31.1  |





#79

2-Chlorotoluene

Concen: 23.216 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060517.D

Acq: 10 Dec 2018 11:36

Instrument :

MSVOA\_D

ClientSampleId :

VD1210SBS01

Tgt Ion: 91 Resp: 973580

Ion Ratio Lower Upper

91 100

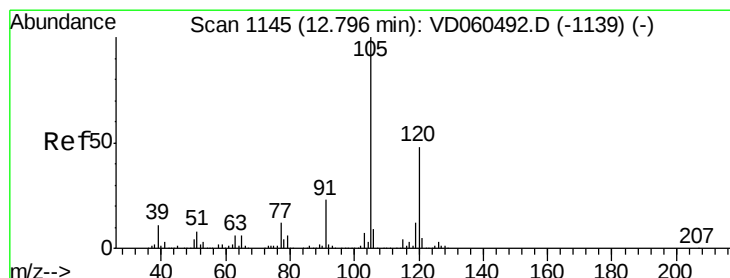
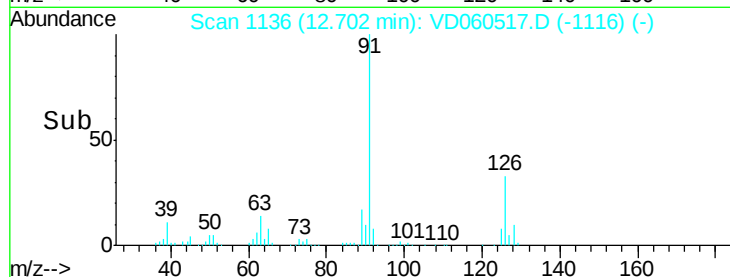
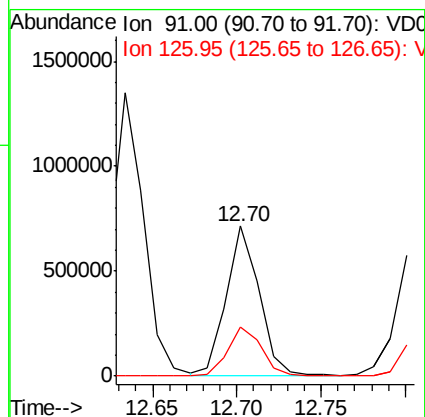
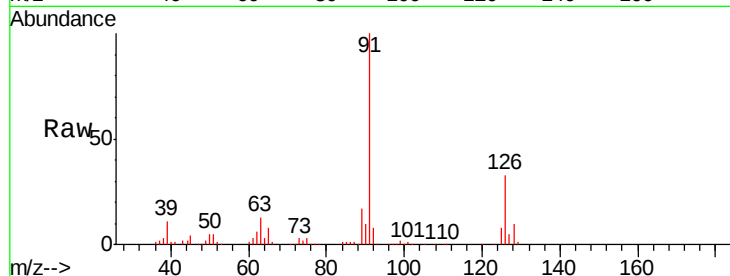
126 32.9 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 24.203 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060517.D

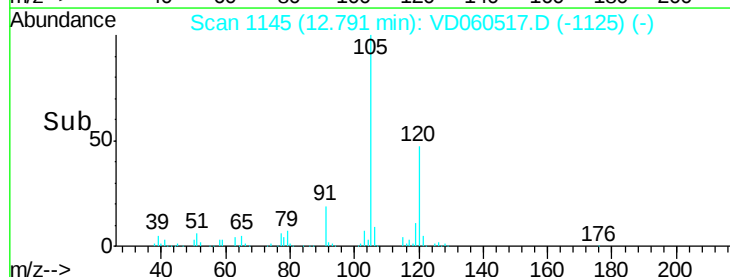
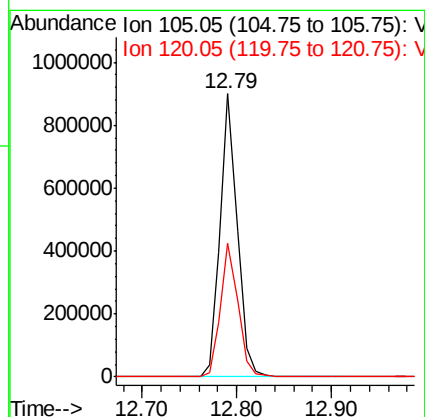
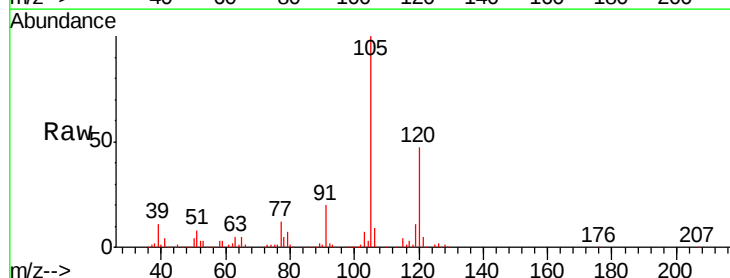
Acq: 10 Dec 2018 11:36

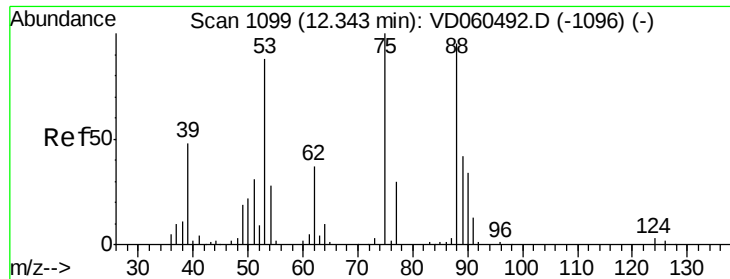
Tgt Ion: 105 Resp: 1130625

Ion Ratio Lower Upper

105 100

120 47.0 24.2 72.6





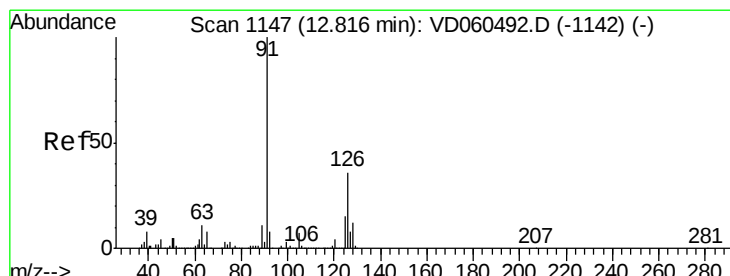
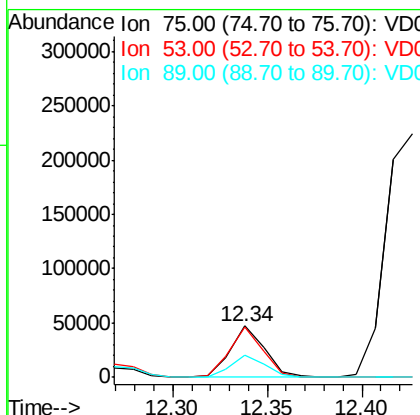
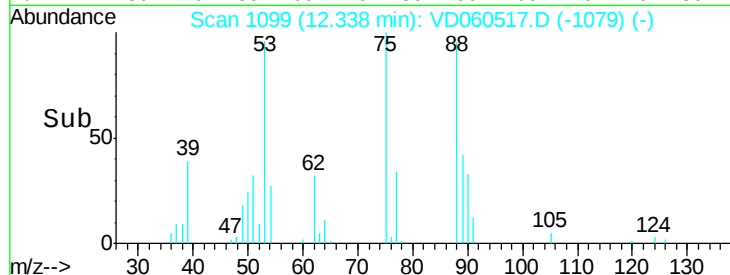
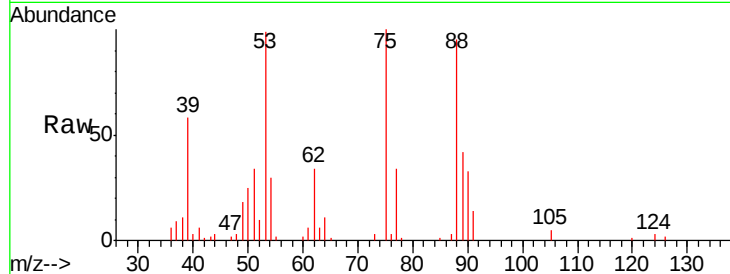
#81  
trans-1,4-Dichloro-2-butene  
Concen: 21.880 ug/l  
RT: 12.34 min Scan# 1099  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 75 Resp: 59736  
Ion Ratio Lower Upper  
75 100  
53 98.7 70.5 105.7  
89 42.5 33.6 50.4

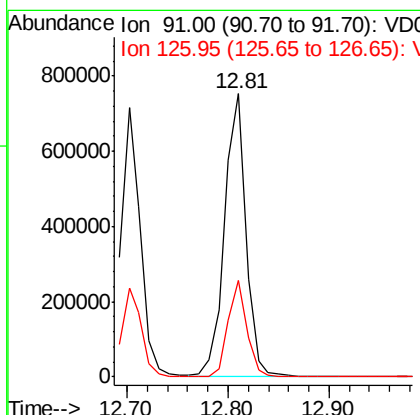
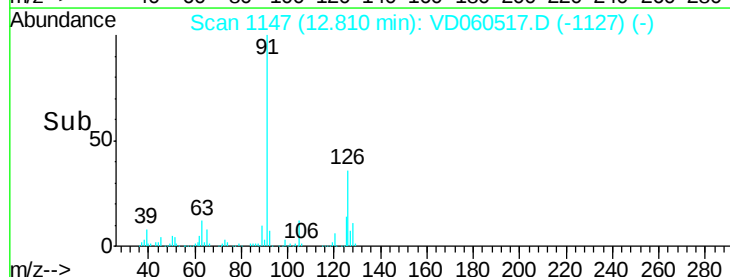
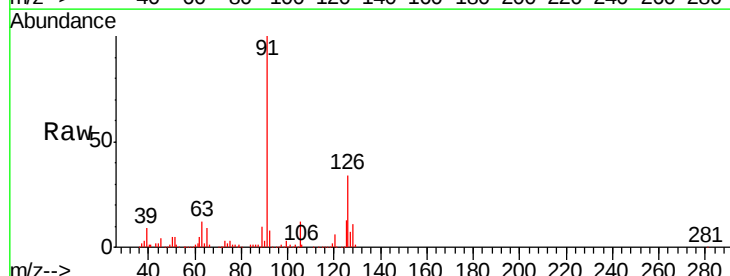
Manual Integrations  
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#82  
4-Chlorotoluene  
Concen: 23.532 ug/l  
RT: 12.81 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 91 Resp: 1108352  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.8 53.4





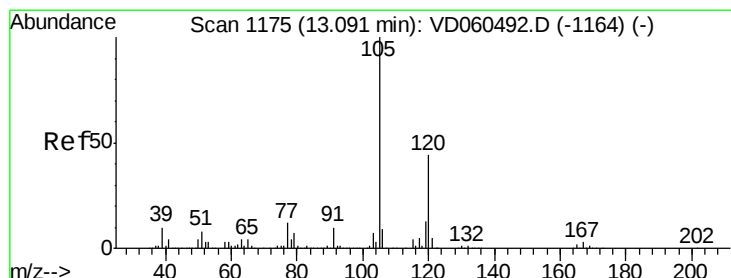
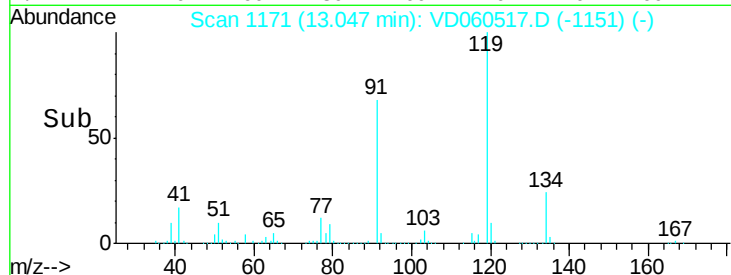
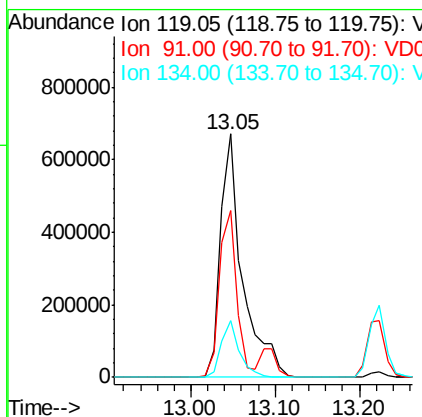
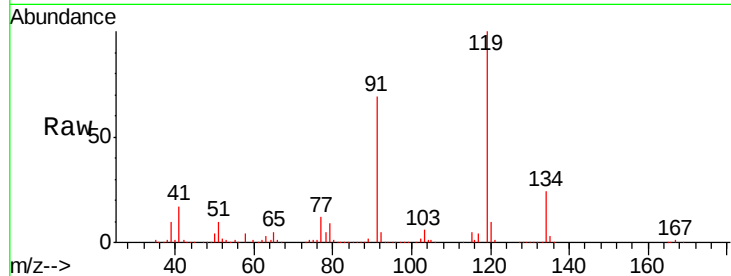
#83  
 tert-Butylbenzene  
 Concen: 23.565 ug/l  
 RT: 13.05 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

Tgt Ion:119 Resp: 1234313  
 Ion Ratio Lower Upper  
 119 100  
 91 68.7 33.1 99.2  
 134 23.5 12.0 36.0

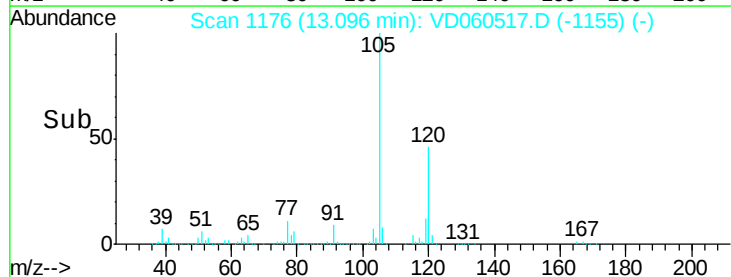
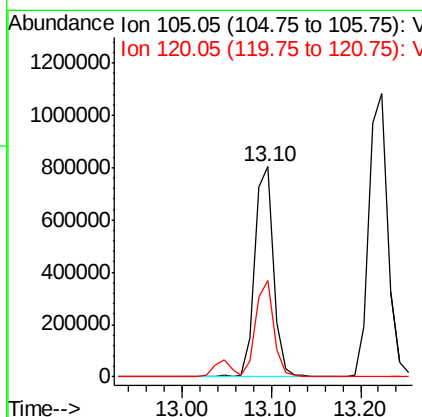
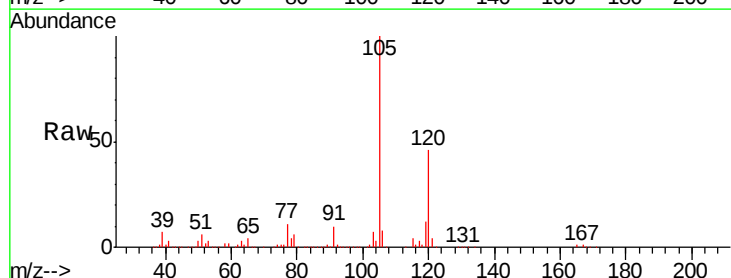
Manual Integrations  
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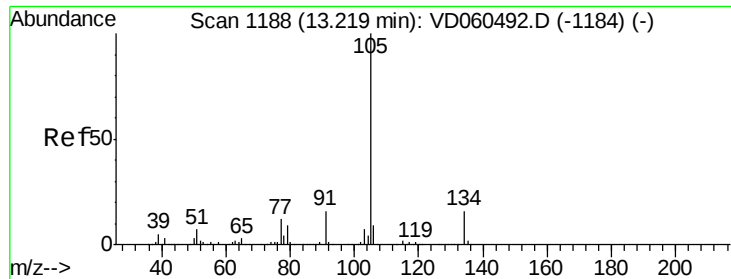
MMDadoda  
 12/11/2018 4:15:07 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 23.849 ug/l  
 RT: 13.10 min Scan# 1176  
 Delta R.T. 0.00 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Tgt Ion:105 Resp: 1153613  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 22.3 66.8





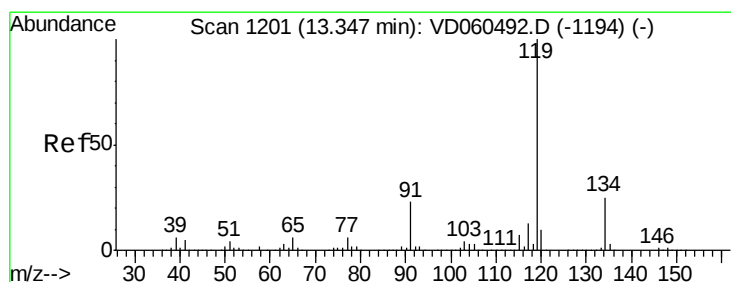
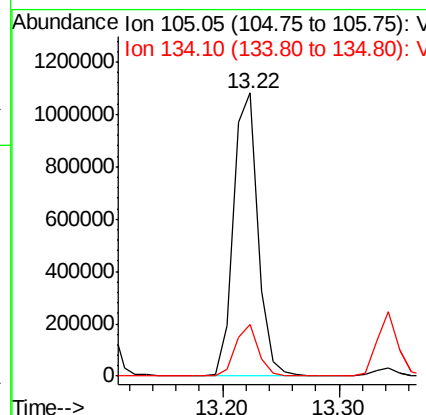
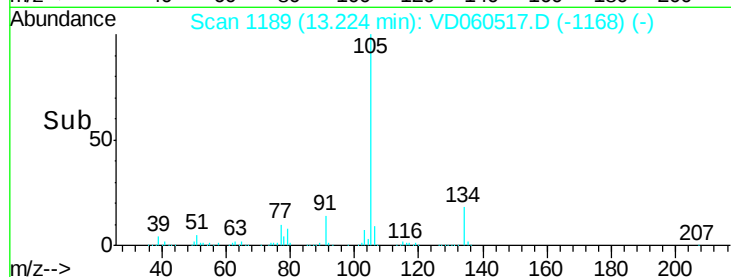
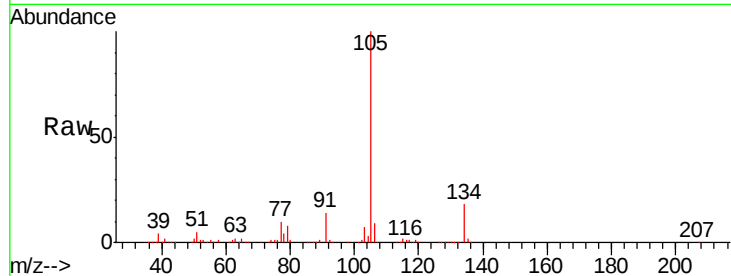
#85  
 sec-Butylbenzene  
 Concen: 23.940 ug/l  
 RT: 13.22 min Scan# 1189  
 Delta R.T. 0.00 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

Tgt Ion:105 Resp: 1562901  
 Ion Ratio Lower Upper  
 105 100  
 134 18.4 7.9 23.7

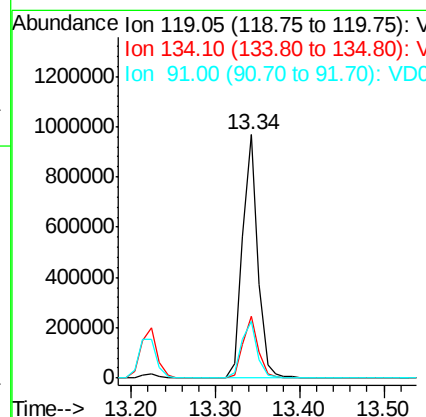
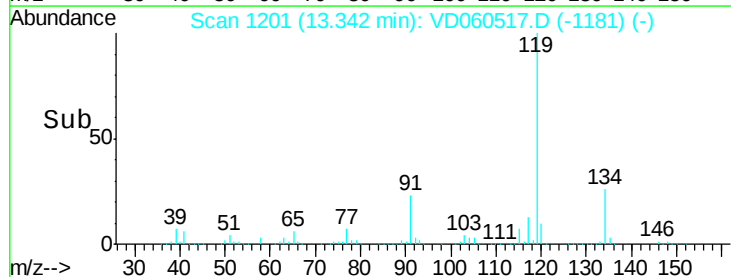
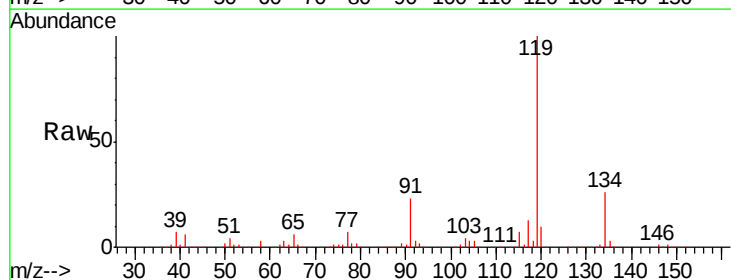
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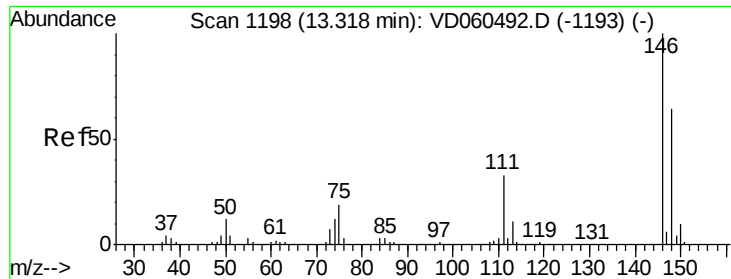
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#86  
 p-Isopropyltoluene  
 Concen: 23.412 ug/l  
 RT: 13.34 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Tgt Ion:119 Resp: 1211575  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 12.5 37.5  
 91 23.2 11.5 34.4





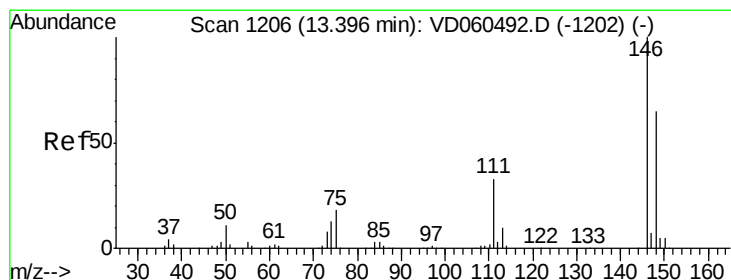
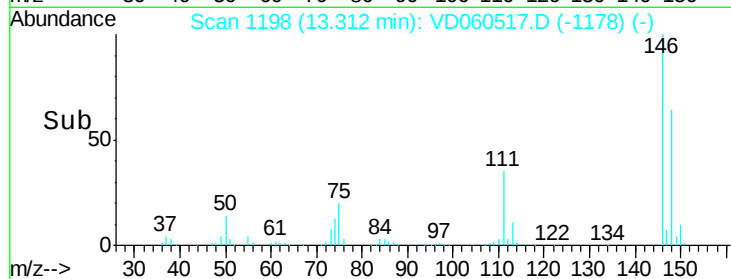
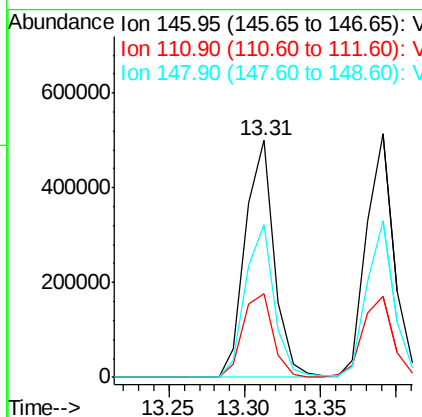
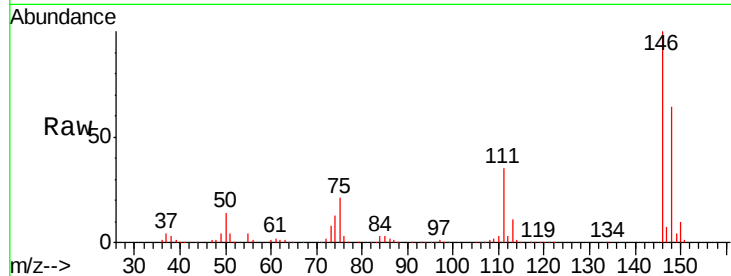
#87  
 1,3-Dichlorobenzene  
 Concen: 22.922 ug/l  
 RT: 13.31 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 666943 |       |       |
| 111     | 35.2  | 16.5   | 49.5  |       |
| 148     | 64.3  | 32.3   | 96.8  |       |

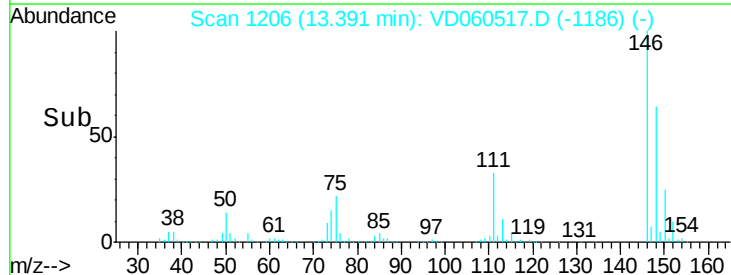
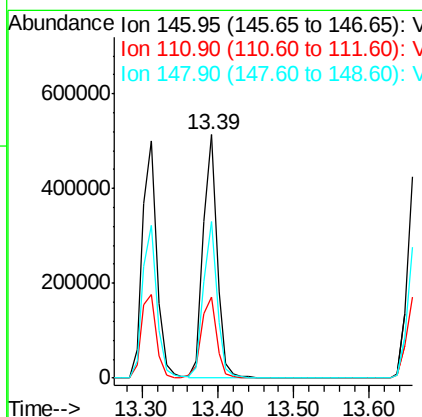
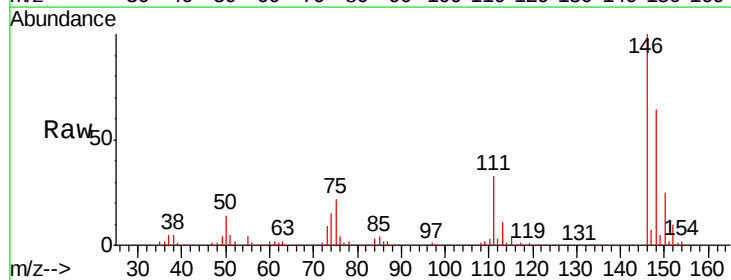
Manual Integrations  
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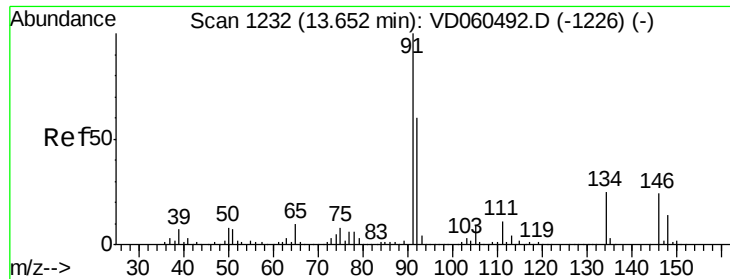
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#88  
 1,4-Dichlorobenzene  
 Concen: 23.129 ug/l  
 RT: 13.39 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 660175 |       |       |
| 111     | 33.4  | 16.4   | 49.1  |       |
| 148     | 64.4  | 32.6   | 98.0  |       |





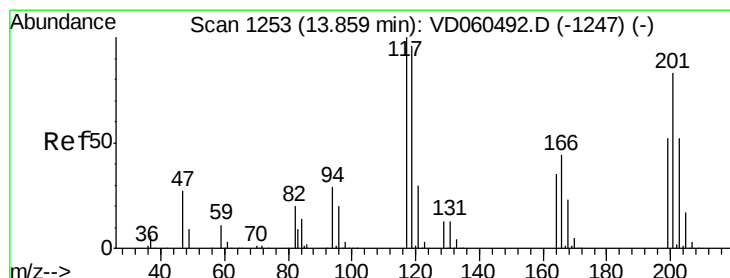
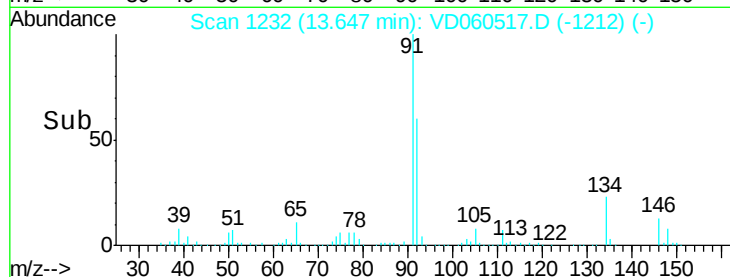
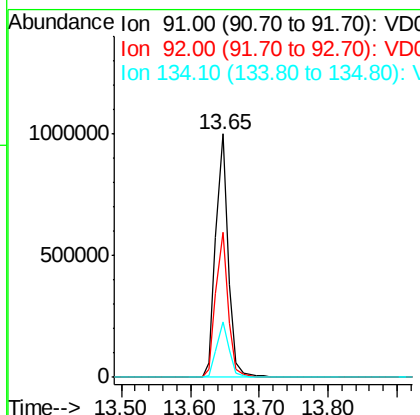
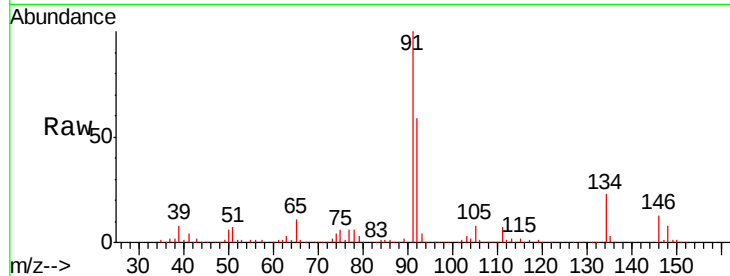
#89  
n-Butylbenzene  
Concen: 21.942 ug/l  
RT: 13.65 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

Tgt Ion: 91 Resp: 1255031  
Ion Ratio Lower Upper  
91 100  
92 59.5 30.0 90.1  
134 23.0 12.5 37.5

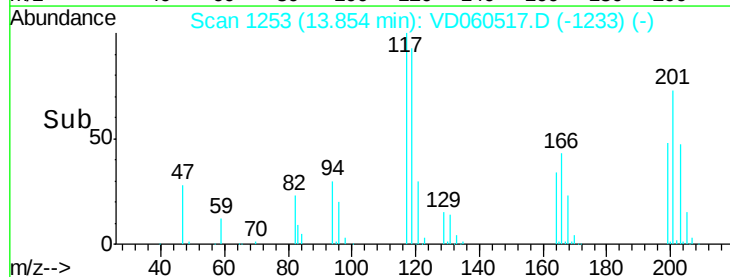
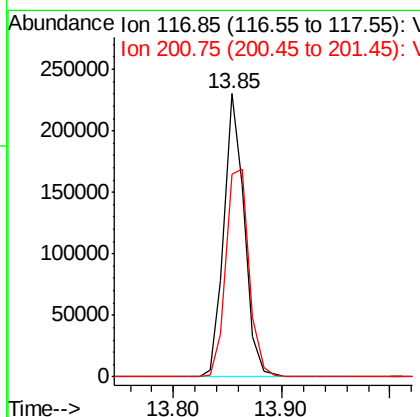
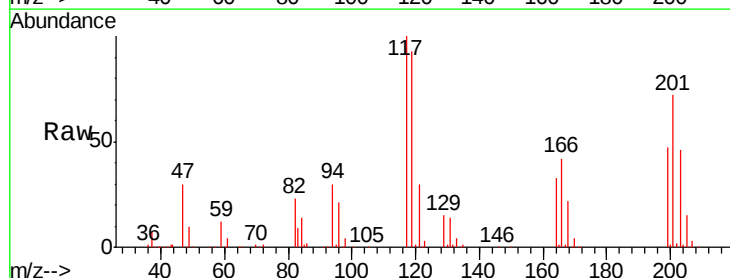
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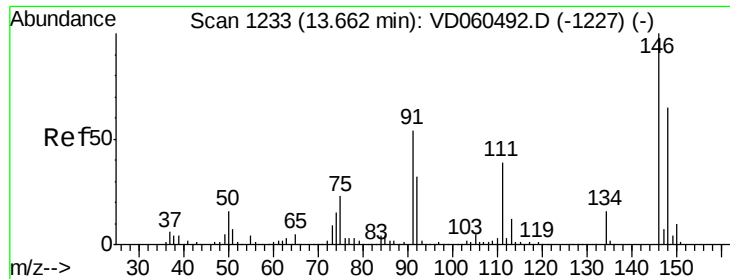
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#90  
Hexachloroethane  
Concen: 23.288 ug/l  
RT: 13.85 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Tgt Ion: 117 Resp: 302168  
Ion Ratio Lower Upper  
117 100  
201 71.8 41.3 123.9





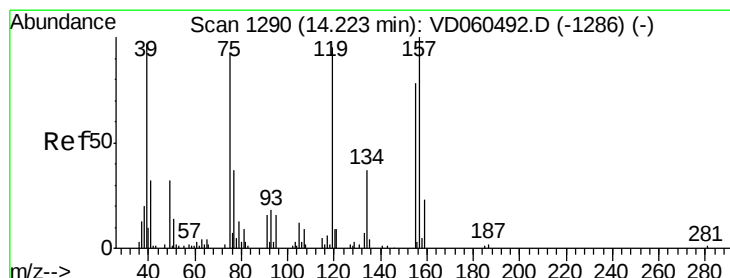
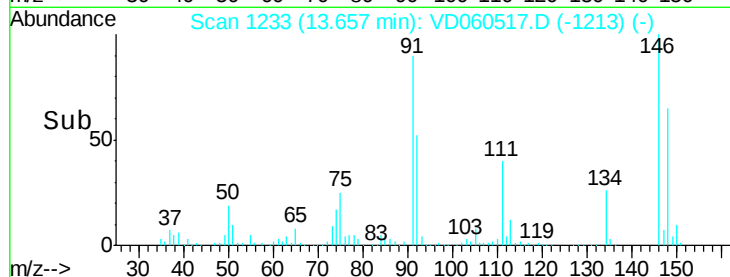
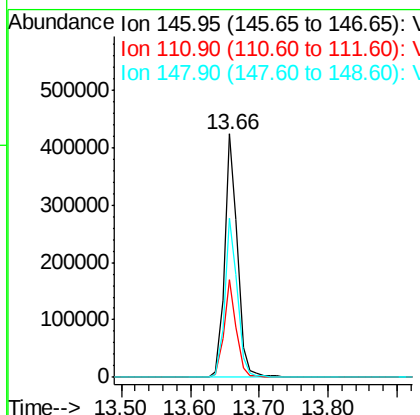
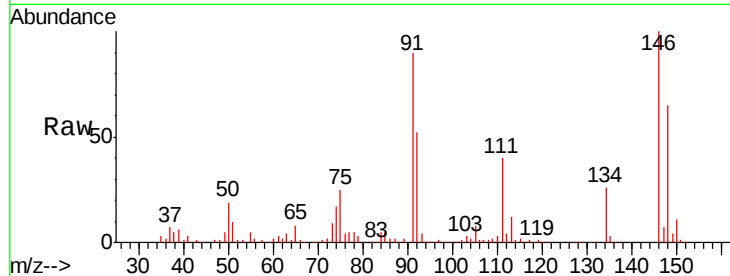
#91  
 1,2-Dichlorobenzene  
 Concen: 22.918 ug/l  
 RT: 13.66 min Scan# 1233  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.3  | 19.3  | 57.8  |
| 148     | 65.1  | 32.3  | 96.8  |

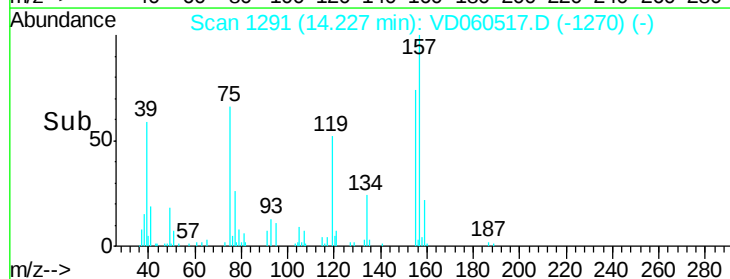
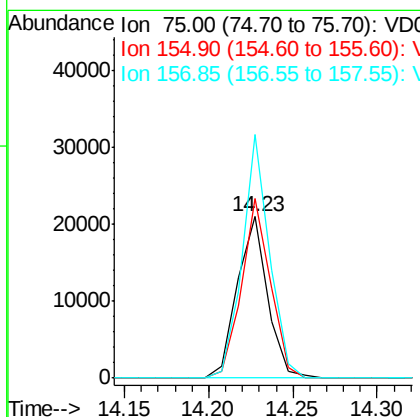
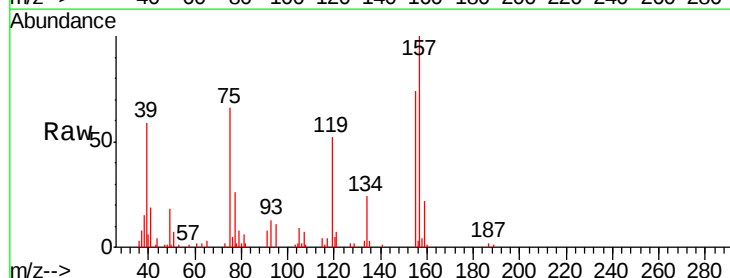
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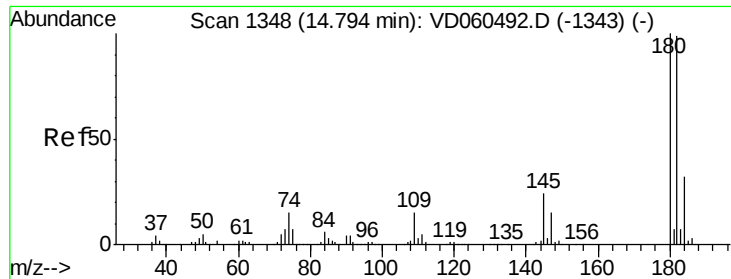
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.996 ug/l  
 RT: 14.23 min Scan# 1291  
 Delta R.T. 0.00 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 111.5 | 41.6  | 124.9 |
| 157     | 150.9 | 53.6  | 160.8 |





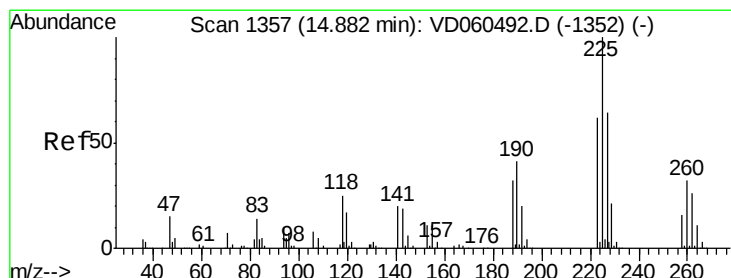
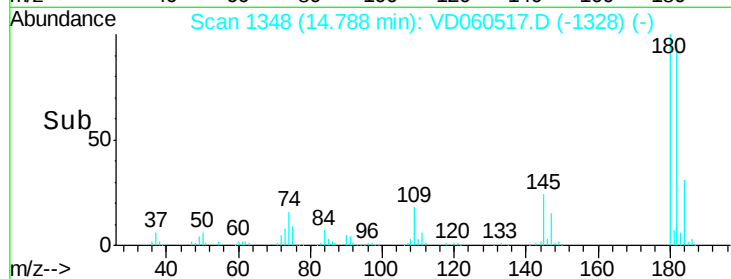
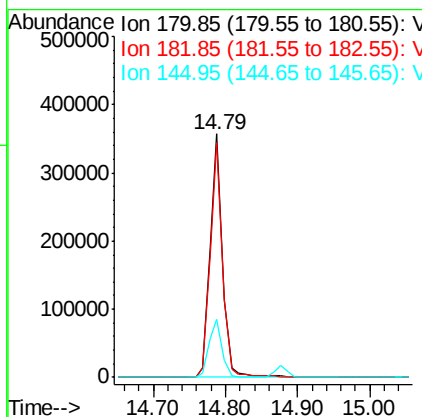
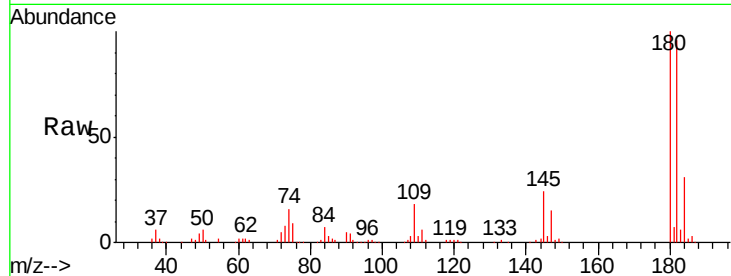
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.746 ug/l  
 RT: 14.79 min Scan# 1348  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 422808 |       |       |
| 182     | 96.3  | 49.4   | 148.0 |       |
| 145     | 23.9  | 11.9   | 35.9  |       |

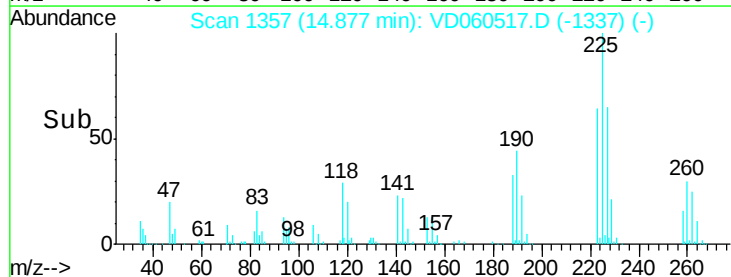
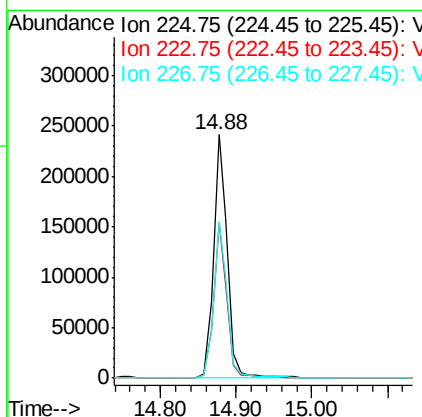
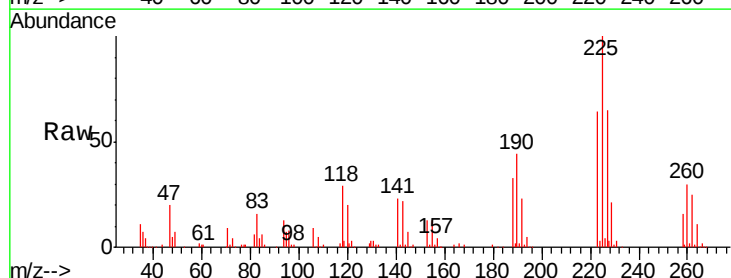
Manual Integrations  
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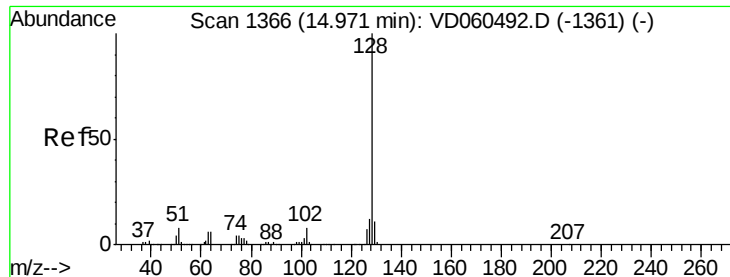
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#94  
 Hexachlorobutadiene  
 Concen: 22.734 ug/l  
 RT: 14.88 min Scan# 1357  
 Delta R.T. -0.01 min  
 Lab File: VD060517.D  
 Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 311786 |       |       |
| 223     | 63.6  | 31.2   | 93.6  |       |
| 227     | 64.5  | 32.0   | 96.0  |       |





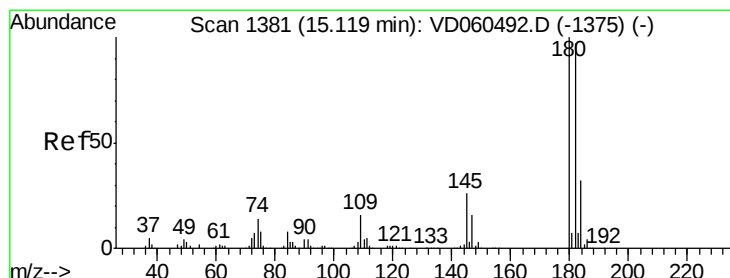
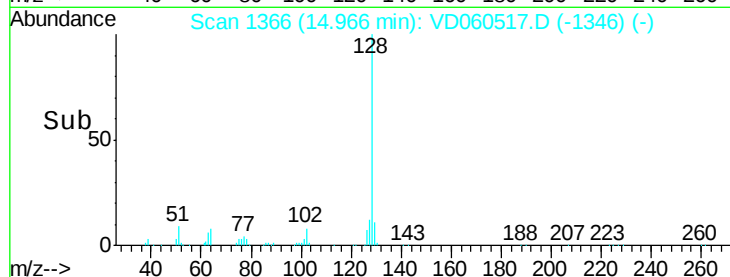
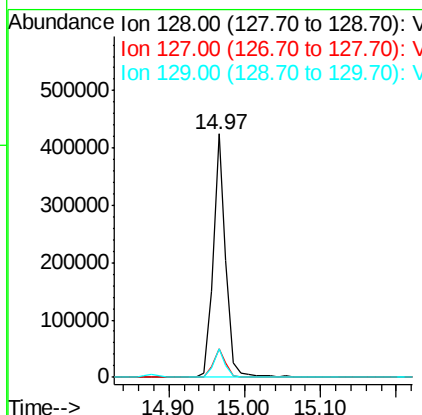
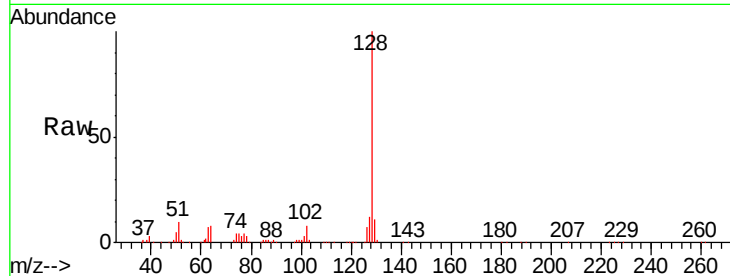
#95  
Naphthalene  
Concen: 22.526 ug/l  
RT: 14.97 min Scan# 1366  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1210SBS01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 498119 |       |       |
| 127     | 11.9  | 9.8    | 14.8  |       |
| 129     | 11.5  | 8.6    | 13.0  |       |

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#96  
1,2,3-Trichlorobenzene  
Concen: 22.328 ug/l  
RT: 15.11 min Scan# 1381  
Delta R.T. -0.01 min  
Lab File: VD060517.D  
Acq: 10 Dec 2018 11:36

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 330698 |       |       |
| 182     | 95.4  | 48.5   | 145.5 |       |
| 145     | 27.1  | 12.9   | 38.7  |       |

