

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\  
 Data File : VD060198.D  
 Acq On : 25 Oct 2018 16:42  
 Operator : JC/SY  
 Sample : VD1025SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

Manual Integrations  
 APPROVED

apatel  
 10/26/2018 10:51:00 AM

Quant Time: Oct 26 03:59:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.40  | 168  | 1560130  | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 7.44  | 114  | 2184682  | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 1848133  | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152  | 976323   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.78   | 65  | 652302   | 55.16 | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 110.32% |      |
| 35) Dibromofluoromethane  | 6.32   | 113 | 885926   | 53.40 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.80% |      |
| 50) Toluene-d8            | 9.45   | 98  | 2467950  | 52.17 | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.34% |      |
| 62) 4-Bromofluorobenzene  | 12.43  | 95  | 940909   | 53.12 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 106.24% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85  | 279914  | 19.073  | ug/l   | 99     |
| 3) Chloromethane              | 1.76 | 50  | 305331  | 23.073  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.85 | 62  | 240958  | 22.249  | ug/l   | 96     |
| 5) Bromomethane               | 2.13 | 94  | 22725   | 16.712  | ug/l   | 93     |
| 6) Chloroethane               | 2.24 | 64  | 51567   | 17.449  | ug/l # | 87     |
| 7) Trichlorofluoromethane     | 2.50 | 101 | 269384  | 20.774  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.82 | 74  | 66193   | 24.824  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.09 | 101 | 195324  | 24.178  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.24 | 142 | 172676  | 20.156  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 3.97 | 59  | 91590   | 107.989 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.07 | 96  | 150703  | 23.680  | ug/l   | 92     |
| 13) Acrolein                  | 2.98 | 56  | 41786   | 79.922  | ug/l   | 97     |
| 14) Allyl chloride            | 3.53 | 41  | 310616  | 23.500  | ug/l   | 98     |
| 15) Acrylonitrile             | 4.08 | 53  | 408855  | 116.464 | ug/l   | 100    |
| 16) Acetone                   | 3.16 | 43  | 318349  | 148.354 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.30 | 76  | 472600  | 22.083  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.55 | 43  | 107956  | 23.407  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 4.12 | 73  | 657616  | 23.502  | ug/l   | 98     |
| 20) Methylene Chloride        | 3.72 | 84  | 364425  | 18.900  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 4.09 | 96  | 360846  | 21.954  | ug/l   | 98     |
| 22) Diisopropyl ether         | 4.86 | 45  | 1352076 | 22.905  | ug/l   | 97     |
| 23) Vinyl Acetate             | 4.80 | 43  | 3943493 | 118.848 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.75 | 63  | 604083  | 22.570  | ug/l   | 99     |
| 25) 2-Butanone                | 5.62 | 43  | 695629  | 129.759 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 5.59 | 77  | 485181  | 23.912  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 5.59 | 96  | 381863  | 21.928  | ug/l   | 92     |
| 28) Bromochloromethane        | 5.92 | 49  | 296855  | 22.824  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 5.95 | 42  | 352975  | 113.355 | ug/l   | 99     |
| 30) Chloroform                | 6.10 | 83  | 621986  | 22.974  | ug/l   | 98     |
| 31) Cyclohexane               | 6.36 | 56  | 547150  | 21.356  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.29 | 97  | 491551  | 22.161  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 6.52 | 75  | 452369  | 21.669  | ug/l   | 97     |
| 37) Ethyl Acetate             | 5.69 | 43  | 321662  | 23.213  | ug/l   | 95     |
| 38) Carbon Tetrachloride      | 6.49 | 117 | 409787  | 21.627  | ug/l   | 100    |

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 Sample : VD1025SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1025SBS01

Manual Integrations  
 APPROVED

apatel  
 10/26/2018 10:51:00 AM

Quant Time: Oct 26 03:59:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.04  | 83   | 520416   | 21.940  | ug/l   | 98       |
| 40) Benzene                    | 6.79  | 78   | 1148663  | 21.031  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.91  | 41   | 163535m  | 20.880  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 6.89  | 62   | 362307   | 23.138  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.35  | 43   | 408881   | 22.429  | ug/l # | 99       |
| 44) Trichloroethene            | 7.74  | 130  | 359229   | 21.248  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.10  | 63   | 324677   | 22.703  | ug/l   | 98       |
| 46) Dibromomethane             | 8.21  | 93   | 205238   | 22.167  | ug/l   | 92       |
| 47) Bromodichloromethane       | 8.49  | 83   | 449906   | 22.806  | ug/l   | 96       |
| 48) Methyl methacrylate        | 8.24  | 41   | 235980   | 22.725  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.22  | 88   | 46043    | 450.634 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone       | 9.34  | 43   | 1365338  | 118.740 | ug/l   | 96       |
| 52) Toluene                    | 9.55  | 92   | 773976   | 22.004  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.92  | 75   | 407051   | 22.804  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.10  | 75   | 494689   | 22.442  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.18 | 97   | 259301   | 22.550  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.03 | 69   | 289648   | 22.819  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.38 | 76   | 406237   | 23.164  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.92  | 63   | 862824   | 122.408 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.49 | 43   | 1047851  | 126.730 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.63 | 129  | 314893   | 22.319  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 10.75 | 107  | 265754   | 21.751  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.25 | 164  | 327088   | 20.207  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.31 | 112  | 851043   | 21.286  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.42 | 131  | 294527   | 22.082  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.43 | 91   | 1449462  | 22.376  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.57 | 106  | 1071957  | 44.289  | ug/l   | 99       |
| 69) o-Xylene                   | 11.93 | 106  | 505834   | 21.129  | ug/l   | 93       |
| 70) Styrene                    | 11.95 | 104  | 865824   | 21.626  | ug/l   | 99       |
| 71) Bromoform                  | 12.11 | 173  | 220013   | 20.371  | ug/l   | 97       |
| 73) Isopropylbenzene           | 12.28 | 105  | 1391135  | 21.598  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.13 | 43   | 517776   | 21.946  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 309596   | 22.017  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.59 | 75   | 302822   | 21.537  | ug/l   | 99       |
| 77) Bromobenzene               | 12.54 | 156  | 394516   | 21.078  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.64 | 91   | 1738426  | 21.736  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 12.70 | 91   | 983790   | 22.163  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.79 | 105  | 1099303  | 22.052  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.34 | 75   | 82167    | 20.798  | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.81 | 91   | 1116764  | 22.244  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.05 | 119  | 1248615  | 21.827  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 1156436  | 22.011  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 1517955  | 22.442  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.34 | 119  | 1235574  | 22.272  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 698667   | 21.425  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.39 | 146  | 710589   | 21.694  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.65 | 91   | 1261078  | 23.296  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.85 | 117  | 275936   | 21.491  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 622429   | 22.700  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.23 | 75   | 40830    | 21.747  | ug/l   | 86       |

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Sample : VD1025SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

Manual Integrations  
APPROVED

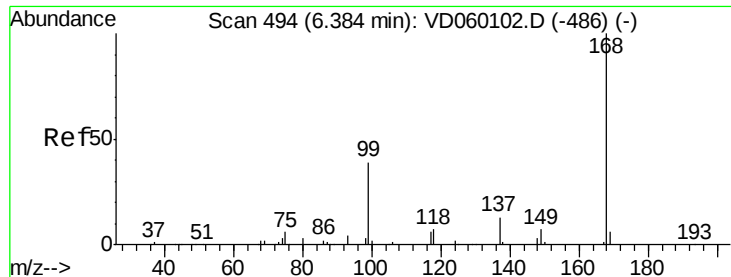
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10/26/2018 10:51:00 AM

Quant Time: Oct 26 03:59:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.79 | 180  | 486834   | 20.918 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 329696   | 21.312 | ug/l  | 98       |
| 95) Naphthalene            | 14.96 | 128  | 719620   | 20.860 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 410554   | 20.279 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion:168 Resp: 1560130

Ion Ratio Lower Upper

168 100

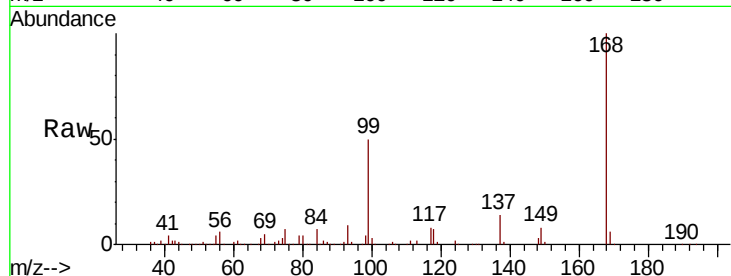
99 49.8 35.4 53.0

Manual Integrations

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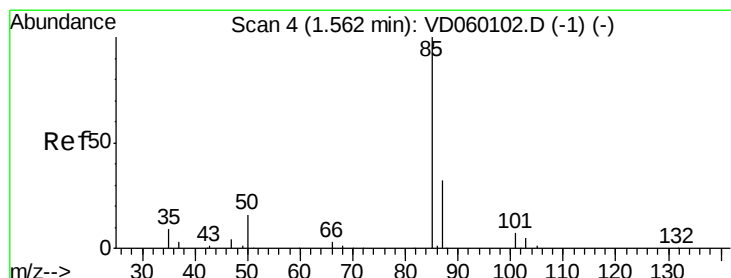
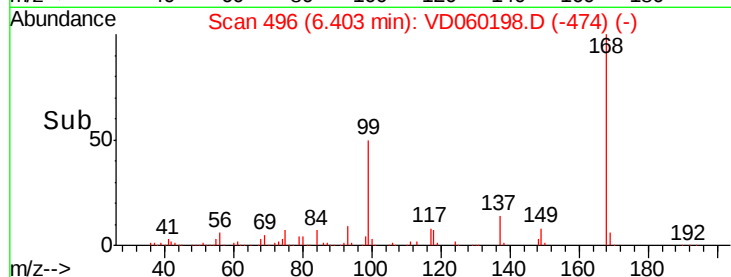
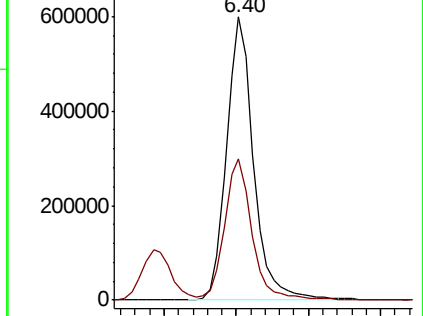
apatel

10/26/2018 10:51:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.073 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060198.D

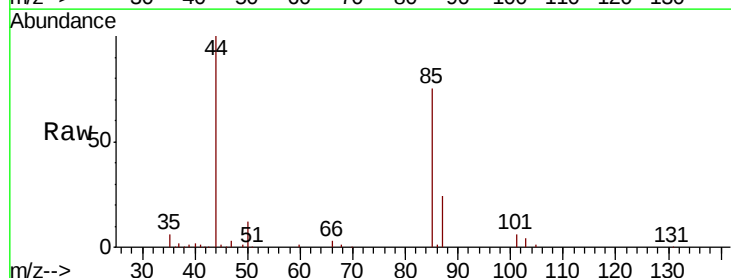
Acq: 25 Oct 2018 16:42

Tgt Ion: 85 Resp: 279914

Ion Ratio Lower Upper

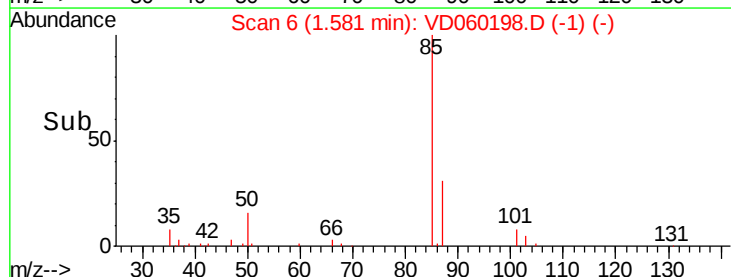
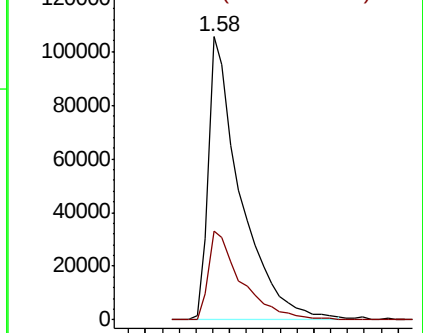
85 100

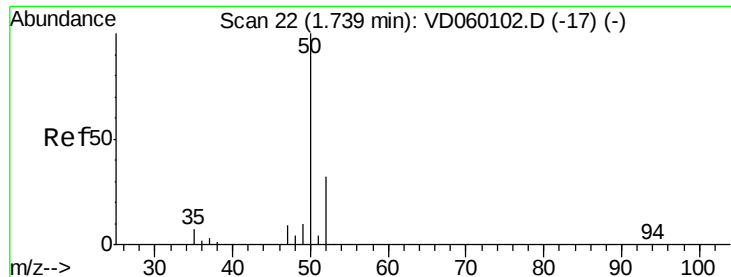
87 31.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 23.073 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 50 Resp: 305331

Ion Ratio Lower Upper

50 100

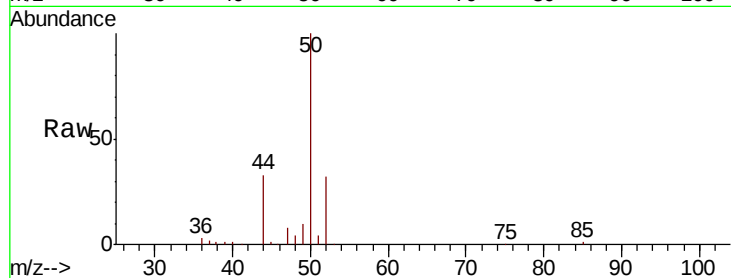
52 31.7 25.3 37.9

Manual Integrations

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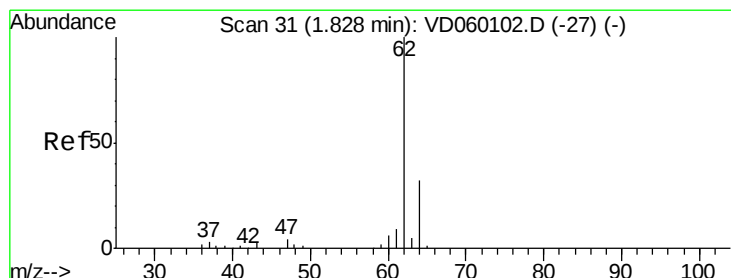
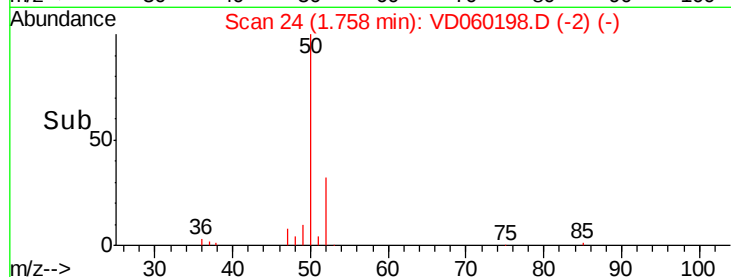
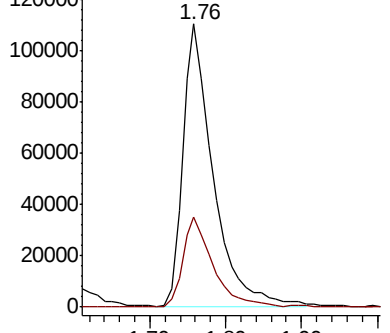
apatel

10/26/2018 10:51:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.249 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060198.D

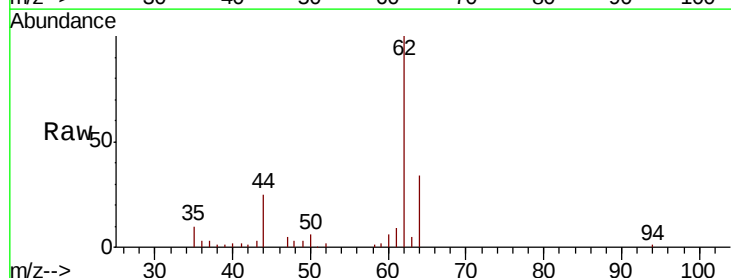
Acq: 25 Oct 2018 16:42

Tgt Ion: 62 Resp: 240958

Ion Ratio Lower Upper

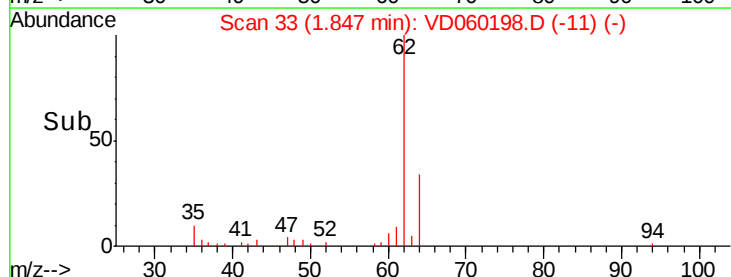
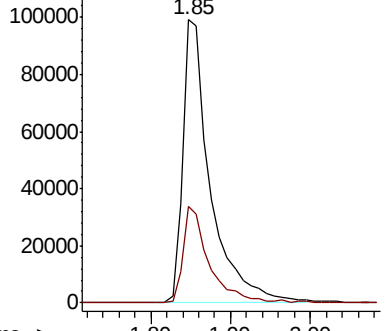
62 100

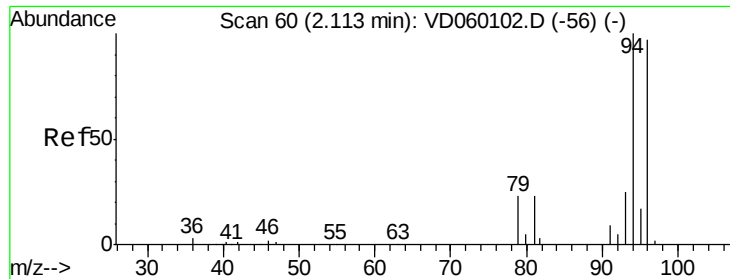
64 33.9 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





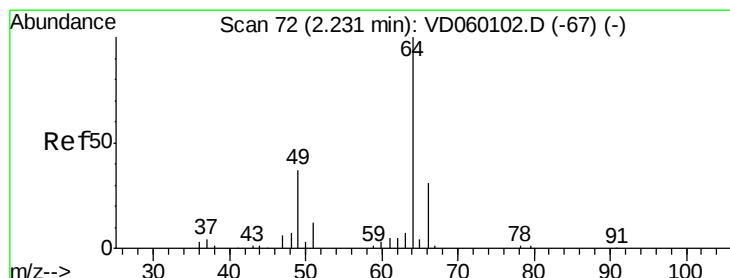
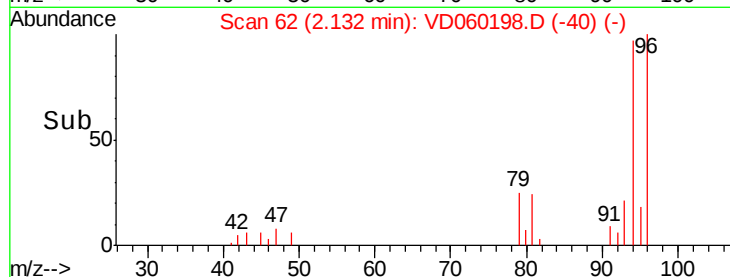
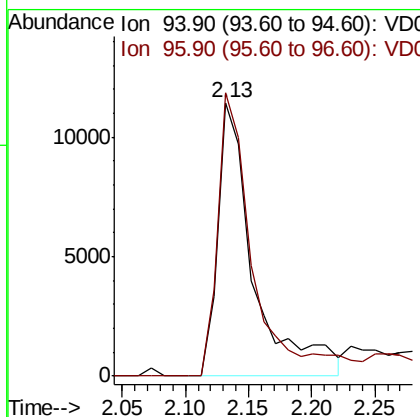
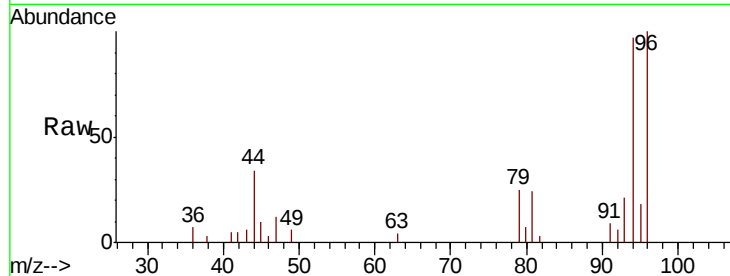
#5  
Bromomethane  
Concen: 16.712 ug/l  
RT: 2.13 min Scan# 62  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

Tot Ion: 94 Resp: 22725  
Ion Ratio Lower Upper  
94 100  
96 103.4 77.4 116.2

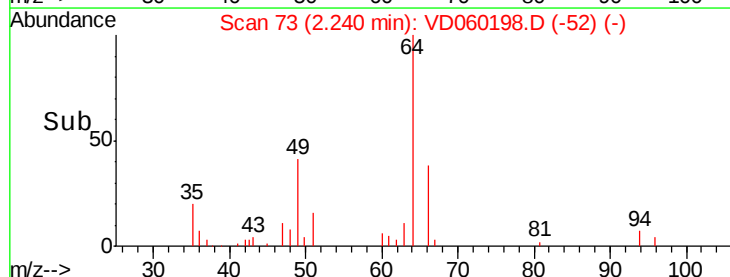
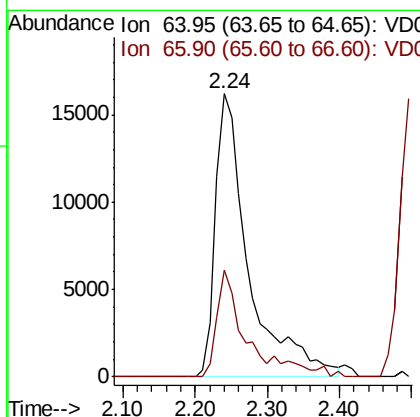
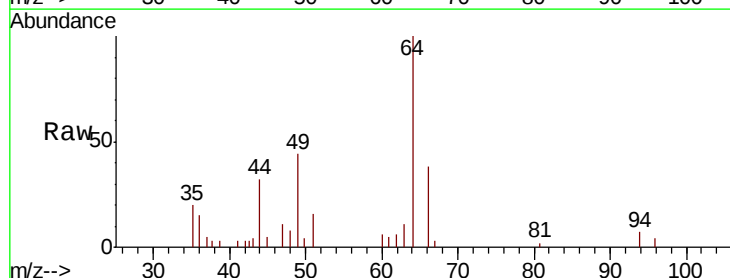
Manual Integrations  
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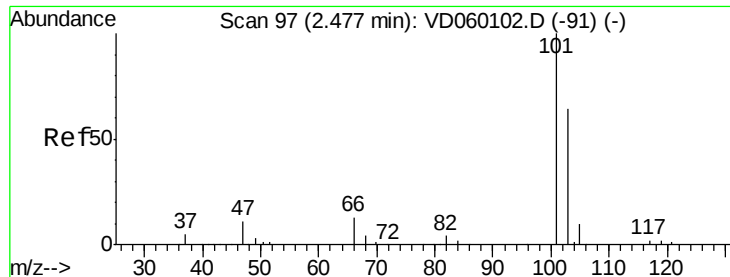
apatel  
10/26/2018 10:51:00 AM



#6  
Chloroethane  
Concen: 17.449 ug/l  
RT: 2.24 min Scan# 73  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion: 64 Resp: 51567  
Ion Ratio Lower Upper  
64 100  
66 37.9 24.6 37.0#





#7

Trichlorofluoromethane

Concen: 20.774 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBSD01

Tot Ion:101 Resp: 269384

Ion Ratio Lower Upper

101 100

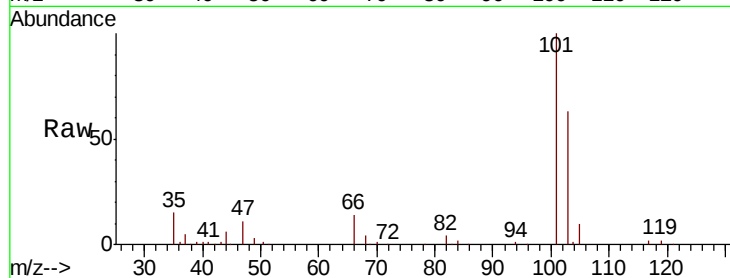
103 62.8 51.5 77.3

Manual Integrations

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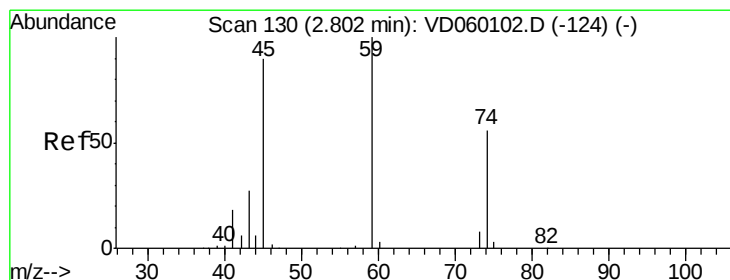
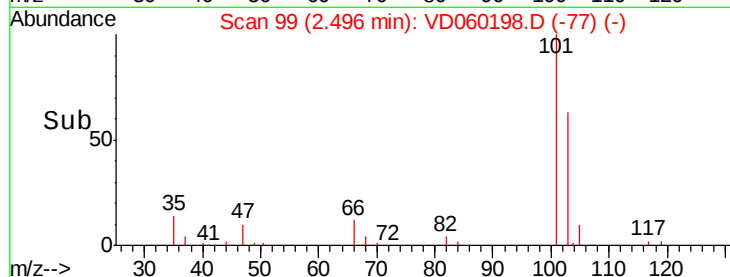
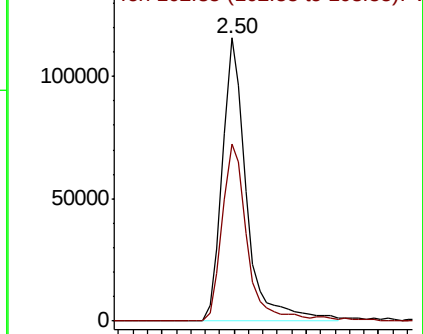
apatel

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 24.824 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060198.D

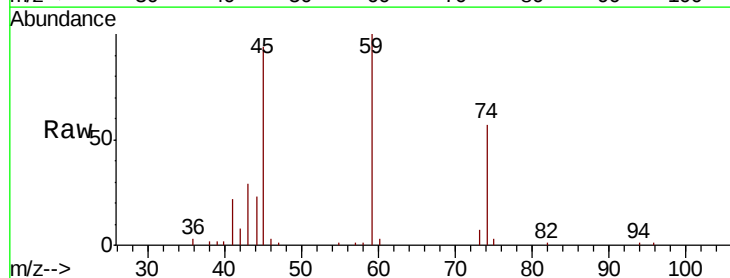
Acq: 25 Oct 2018 16:42

Tgt Ion: 74 Resp: 66193

Ion Ratio Lower Upper

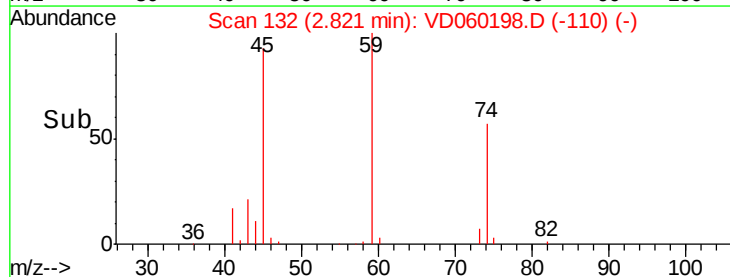
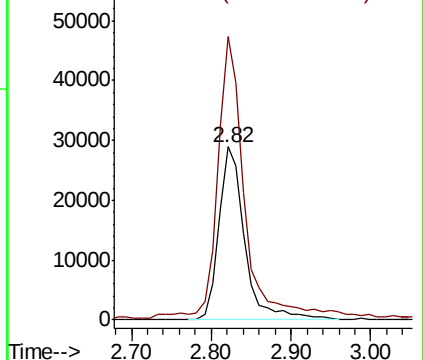
74 100

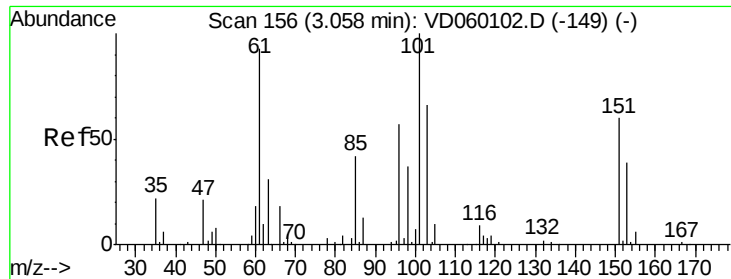
45 163.7 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.178 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

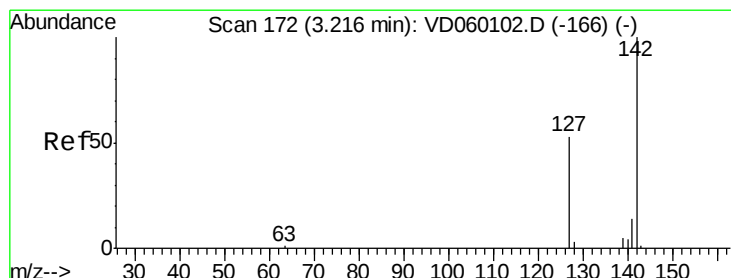
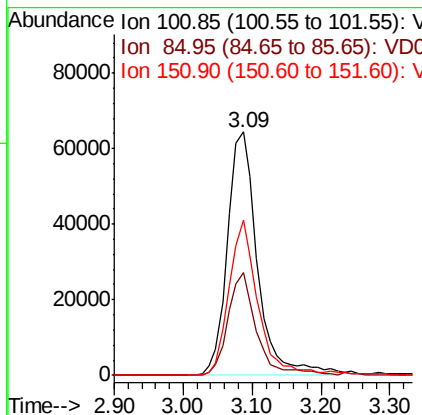
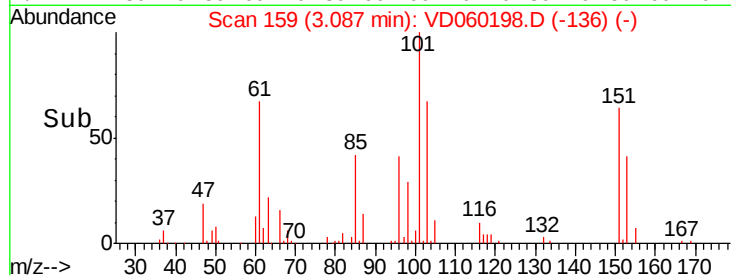
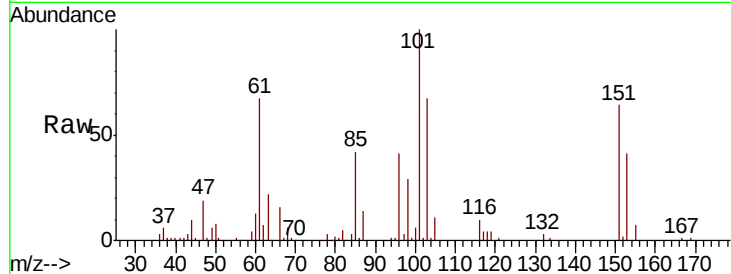
ClientSampleId :

VD1025SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 195324 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.4  | 33.4  | 50.0   |
| 151       | 63.7  | 48.0  | 72.0   |

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#10

Methyl Iodide

Concen: 20.156 ug/l

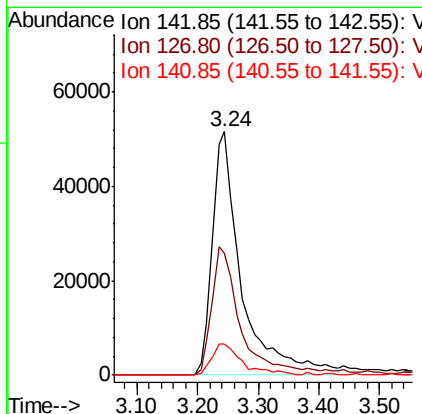
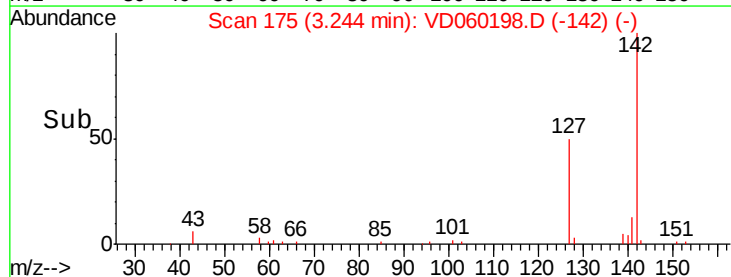
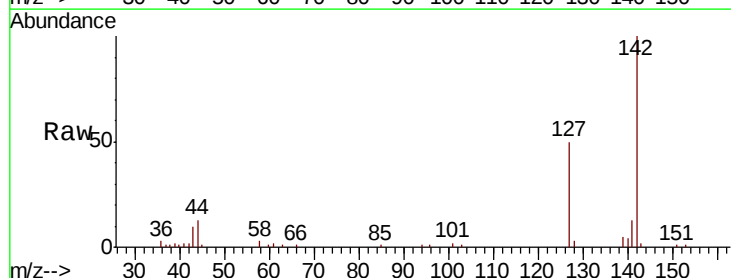
RT: 3.24 min Scan# 175

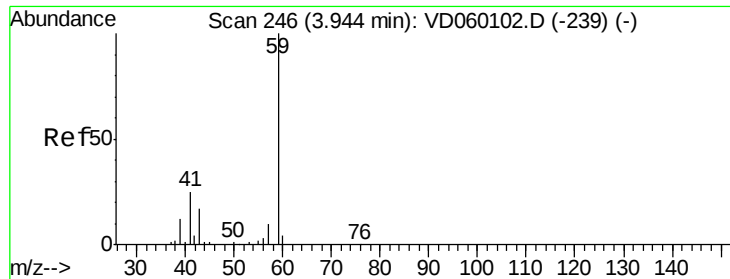
Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 172676 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 49.9  | 42.0  | 63.0   |
| 141       | 12.6  | 11.4  | 17.0   |





#11

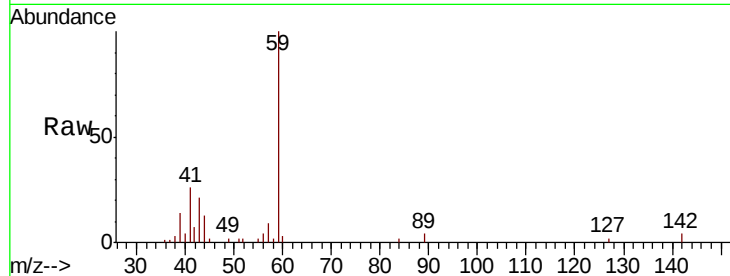
Tert butyl alcohol  
 Concen: 107.989 ug/l  
 RT: 3.97 min Scan# 249  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

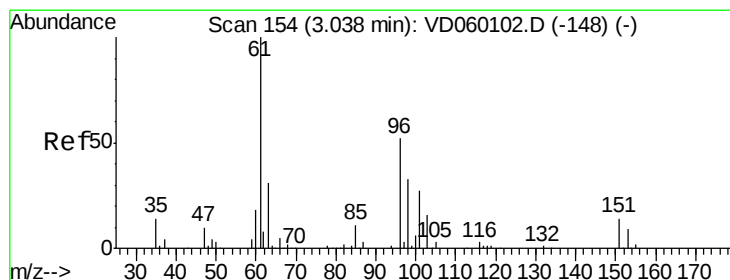
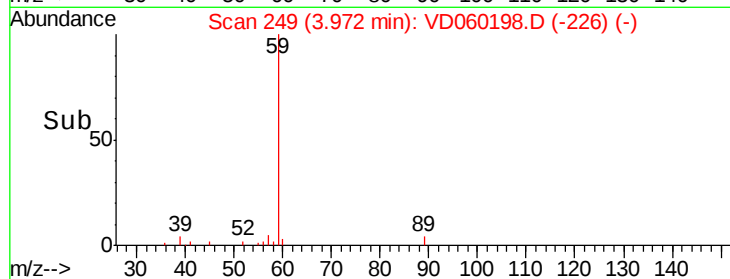
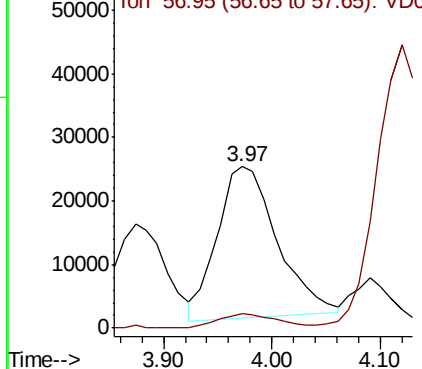
| Tot Ion   | 59  | Resp  | 91590 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 57        | 8.8 | 7.8   | 11.6  |

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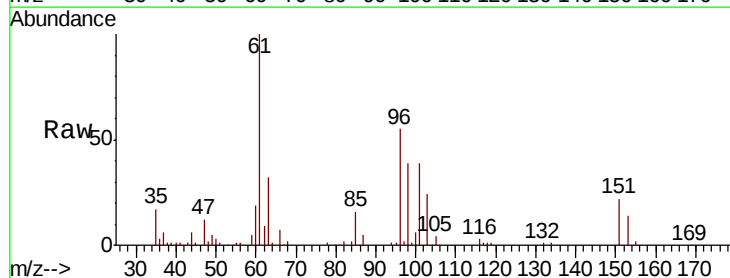
Abundance Ion 58.95 (58.65 to 59.65): VDC  
 Ion 56.95 (56.65 to 57.65): VDC



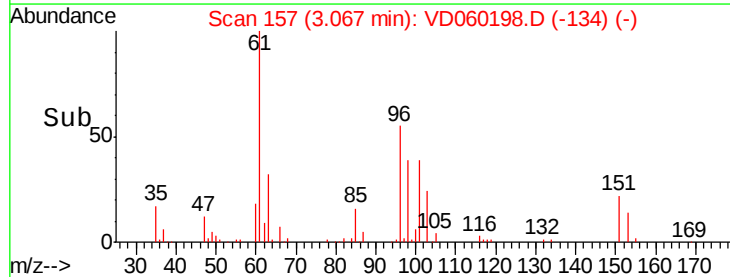
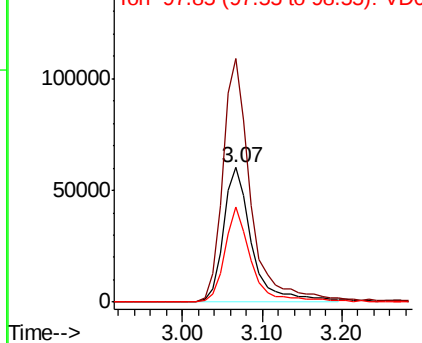
#12

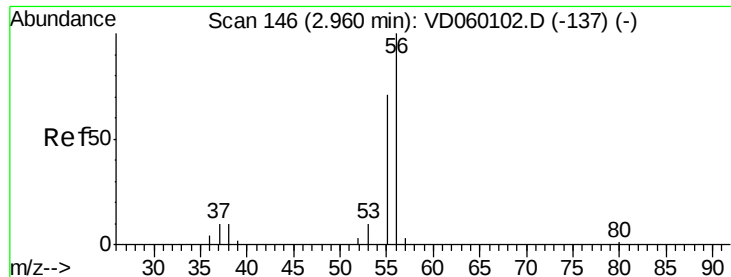
1,1-Dichloroethene  
 Concen: 23.680 ug/l  
 RT: 3.07 min Scan# 157  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion   | 96    | Resp  | 150703 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 61        | 181.0 | 153.0 | 229.4  |
| 98        | 71.1  | 51.1  | 76.7   |



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





#13

Acrolein

Concen: 79.922 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBSD01

Tot Ion: 56 Resp: 41786

Ion Ratio Lower Upper

56 100

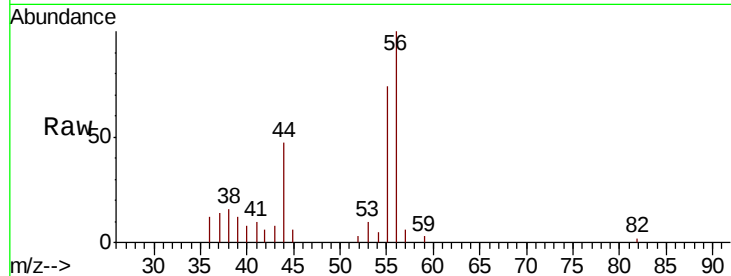
55 73.9 57.4 86.2

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

5000

0

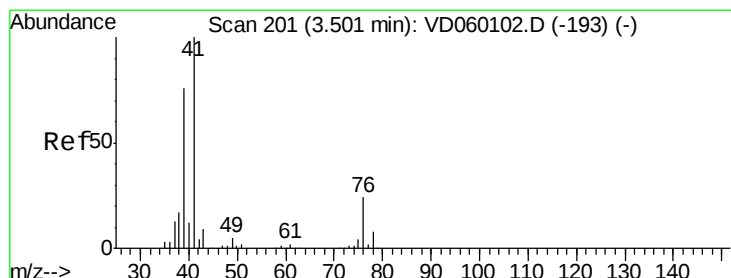
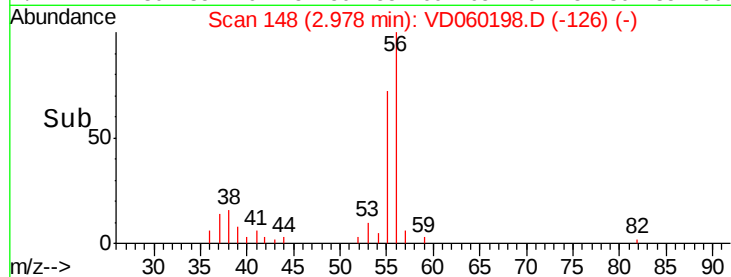
2.98

2.90

3.00

3.10

Time-->



#14

Allyl chloride

Concen: 23.500 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

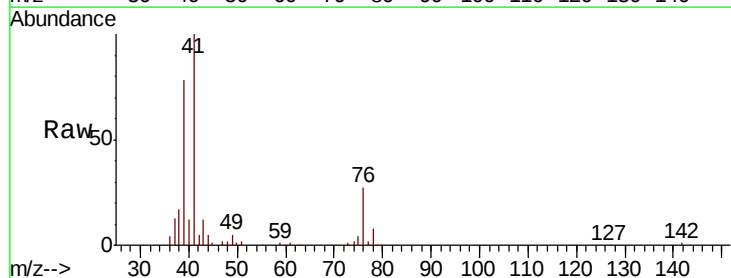
Tgt Ion: 41 Resp: 310616

Ion Ratio Lower Upper

41 100

39 78.3 60.6 90.8

76 26.9 21.3 31.9



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

150000

100000

50000

0

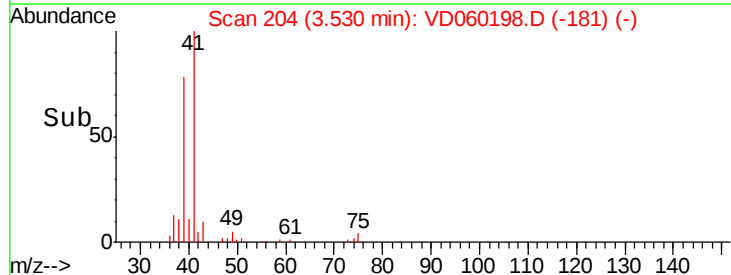
3.53

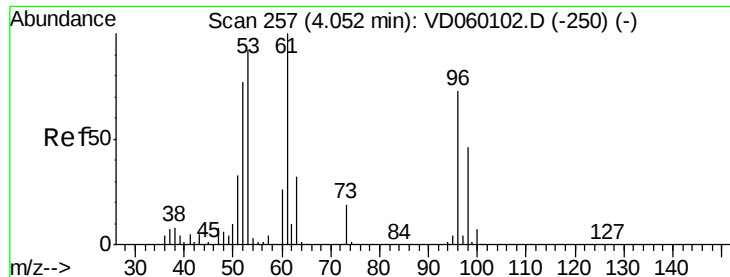
3.40

3.50

3.60

Time-->





#15

Acrylonitrile

Concen: 116.464 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 53 Resp: 408855

Ion Ratio Lower Upper

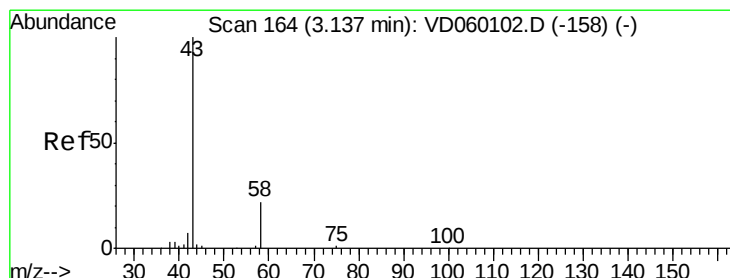
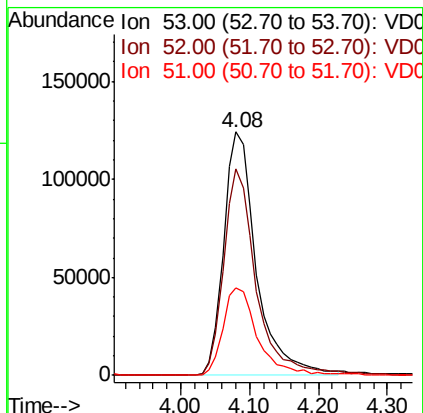
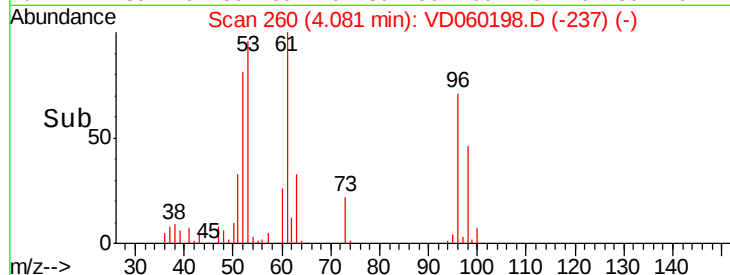
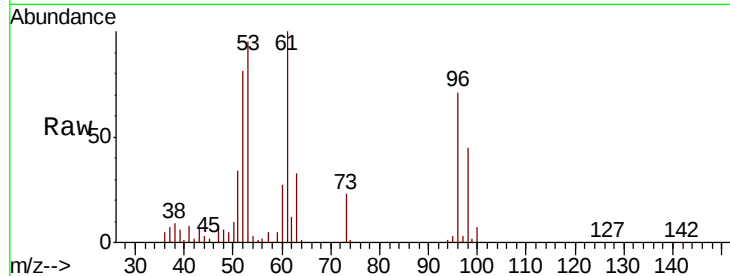
53 100

52 84.6 67.5 101.3

51 36.0 29.3 43.9

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#16

Acetone

Concen: 148.354 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060198.D

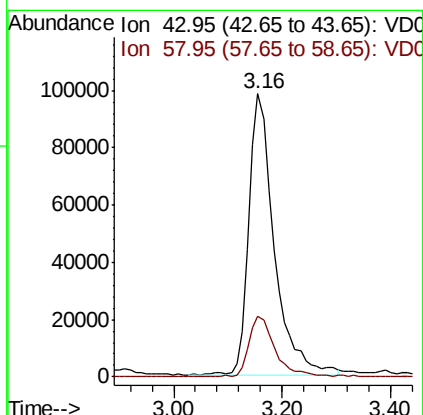
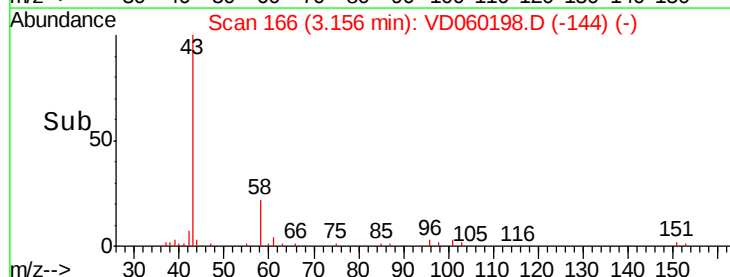
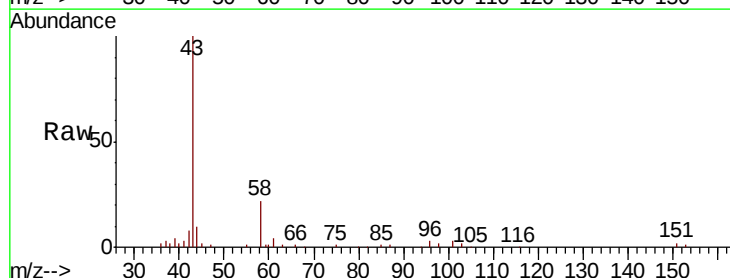
Acq: 25 Oct 2018 16:42

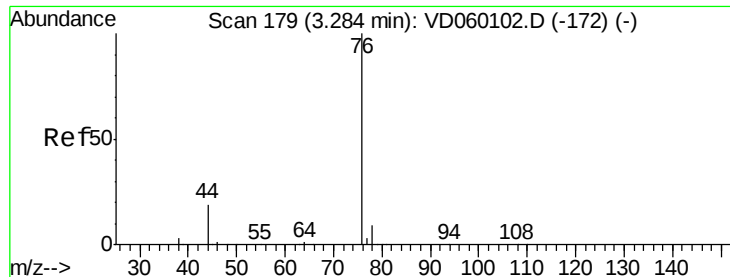
Tgt Ion: 43 Resp: 318349

Ion Ratio Lower Upper

43 100

58 21.6 17.7 26.5





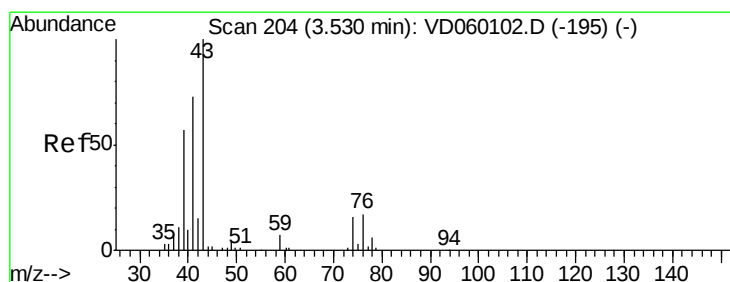
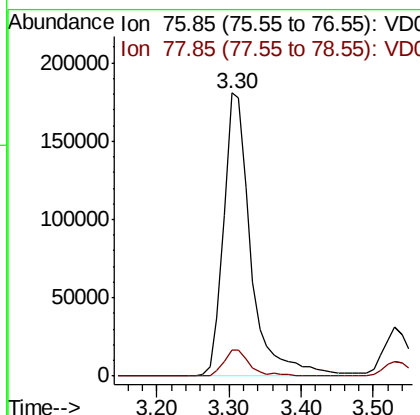
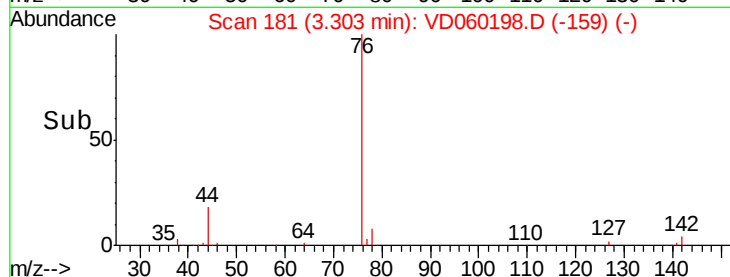
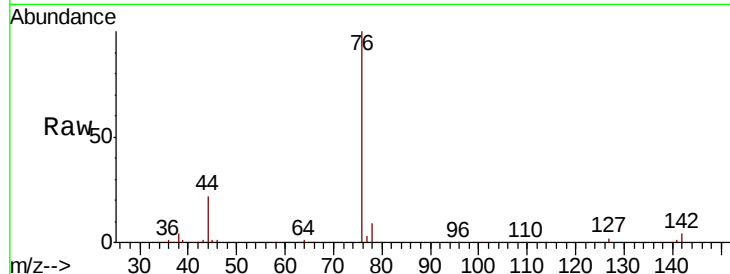
#17  
Carbon Disulfide  
Concen: 22.083 ug/l  
RT: 3.30 min Scan# 181  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

Tot Ion: 76 Resp: 472600  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.2

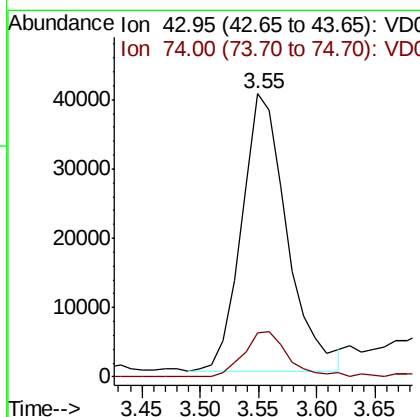
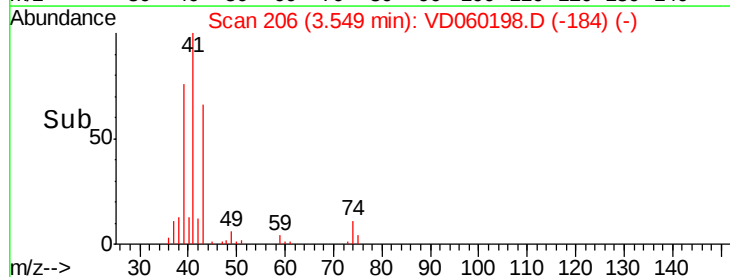
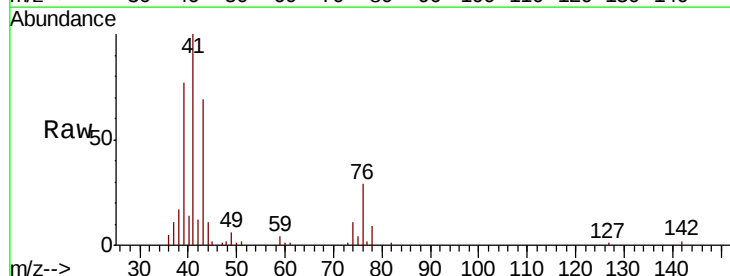
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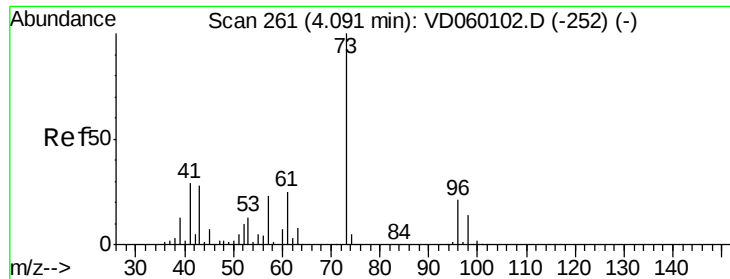
apatel  
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#18  
Methyl Acetate  
Concen: 23.407 ug/l  
RT: 3.55 min Scan# 206  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion: 43 Resp: 107956  
Ion Ratio Lower Upper  
43 100  
74 15.7 12.6 19.0





#19

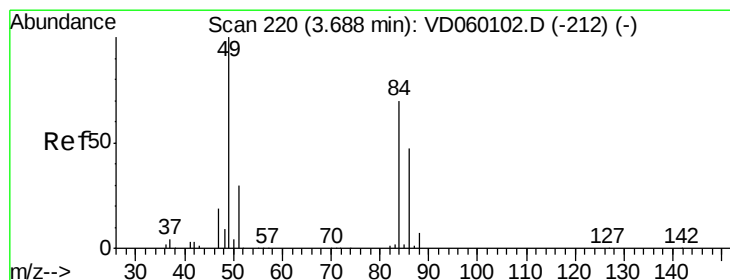
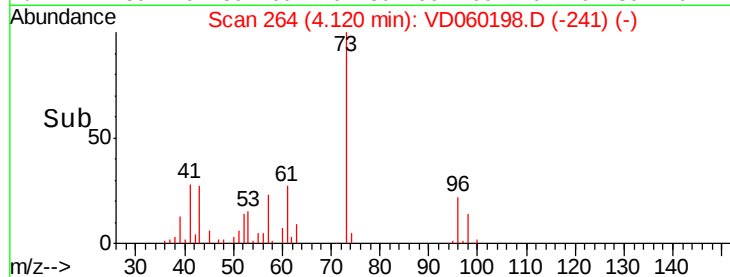
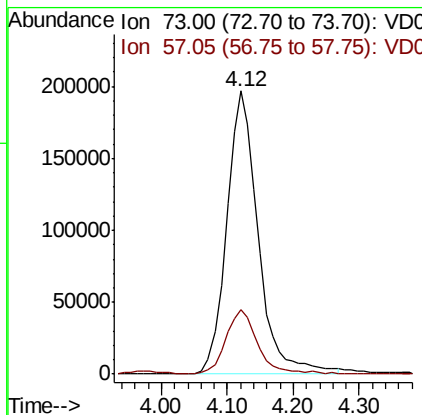
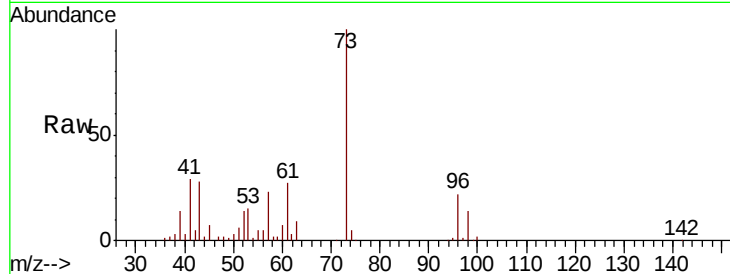
Methyl tert-butyl Ether  
 Concen: 23.502 ug/l  
 RT: 4.12 min Scan# 264  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

Tot Ion: 73 Resp: 657616  
 Ion Ratio Lower Upper  
 73 100  
 57 22.6 18.7 28.1

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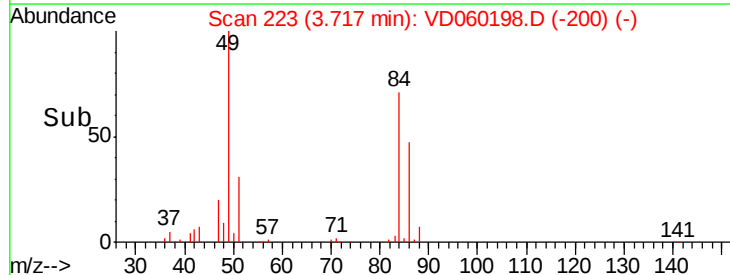
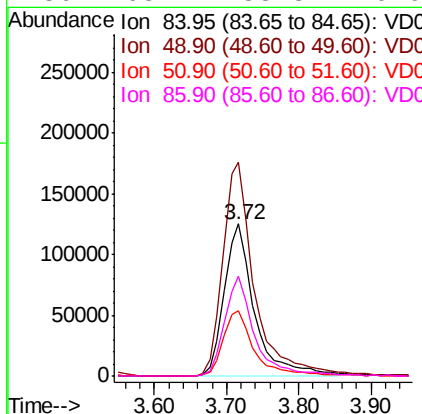
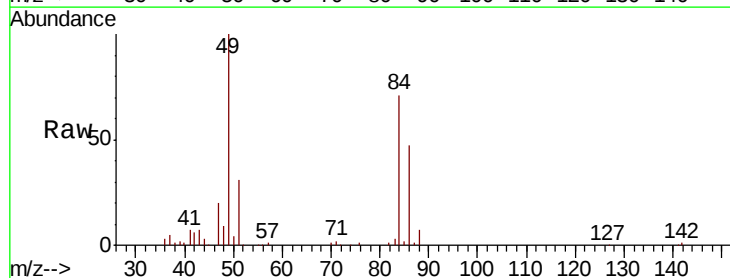
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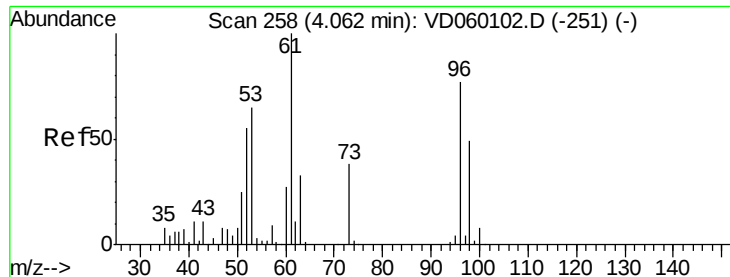


#20

Methylene Chloride  
 Concen: 18.900 ug/l  
 RT: 3.72 min Scan# 223  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Tgt Ion: 84 Resp: 364425  
 Ion Ratio Lower Upper  
 84 100  
 49 140.6 114.6 172.0  
 51 43.1 33.8 50.8  
 86 65.4 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.954 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 96 Resp: 360846

Ion Ratio Lower Upper

96 100

61 132.7 103.3 154.9

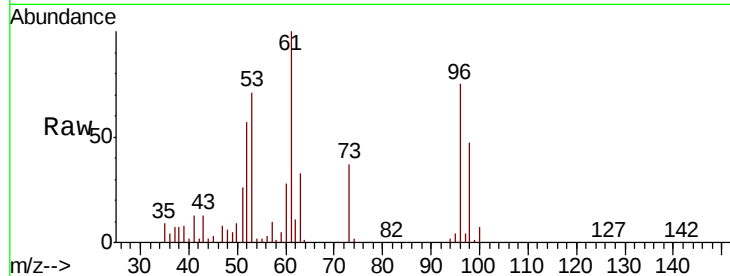
98 62.8 50.4 75.6

Manual Integrations

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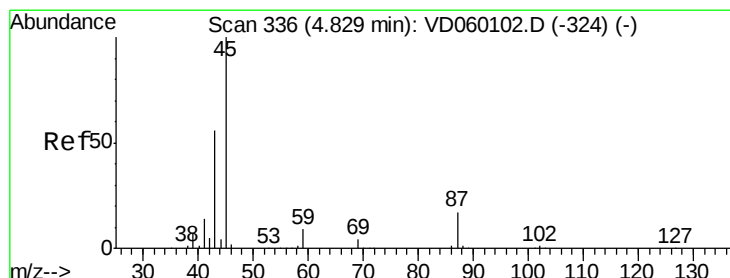
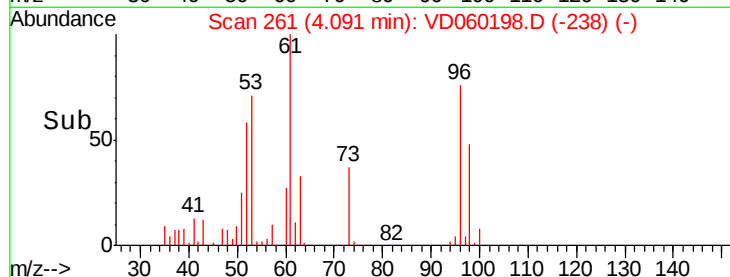
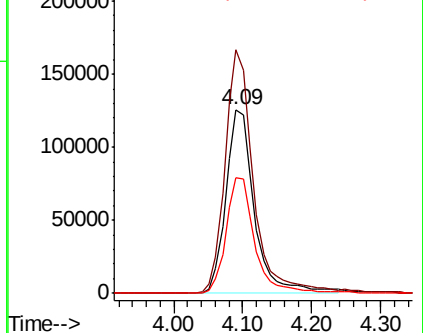
10/26/2018 10:51:00 AM



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: 22.905 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Tgt Ion: 45 Resp: 1352076

Ion Ratio Lower Upper

45 100

43 58.7 44.8 67.2

87 17.0 13.9 20.9

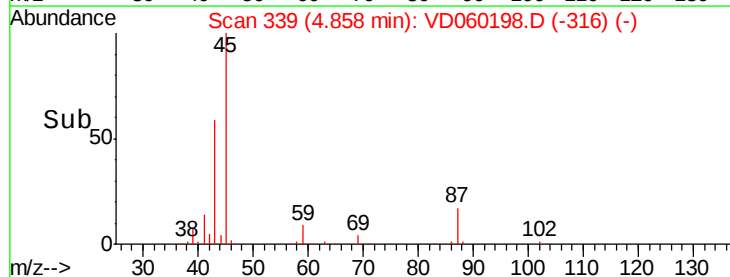
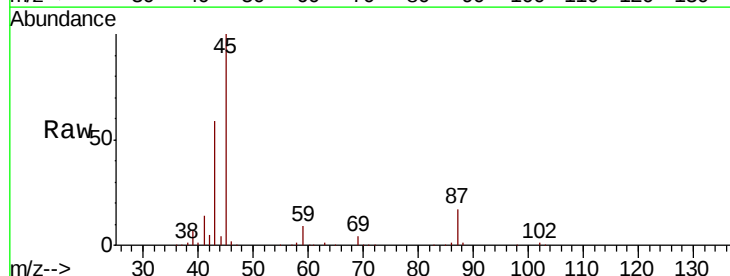
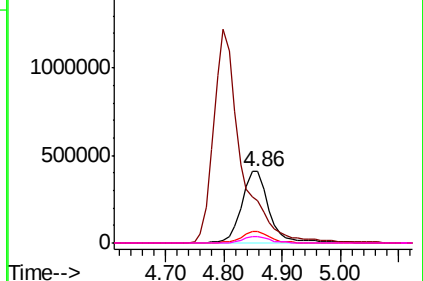
59 8.5 7.1 10.7

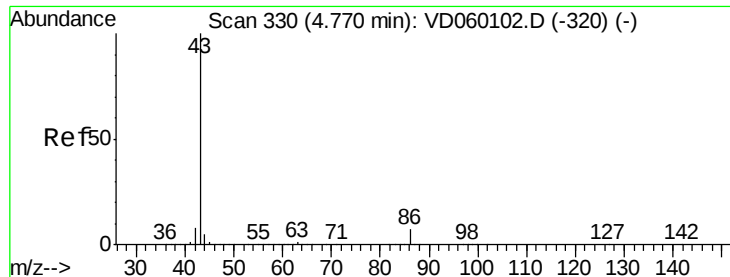
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 118.848 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleID :

VD1025SBS01

Tot Ion: 43 Resp: 3943493

Ion Ratio Lower Upper

43 100

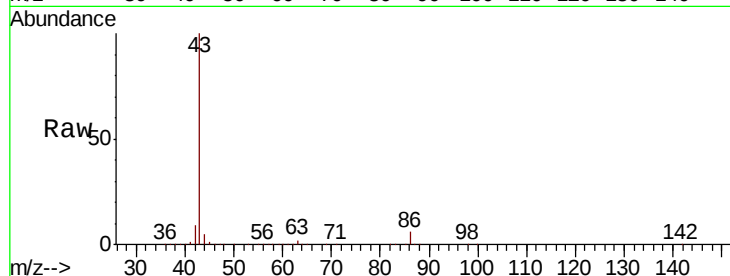
86 6.5 5.6 8.4

Manual Integrations

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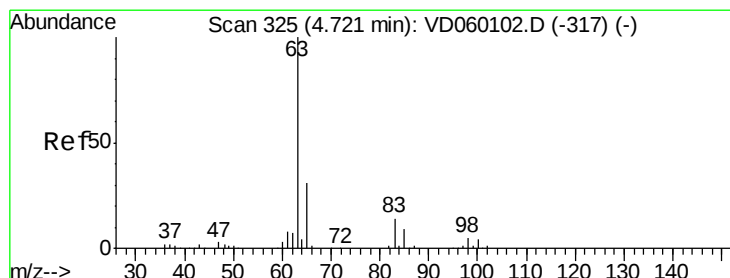
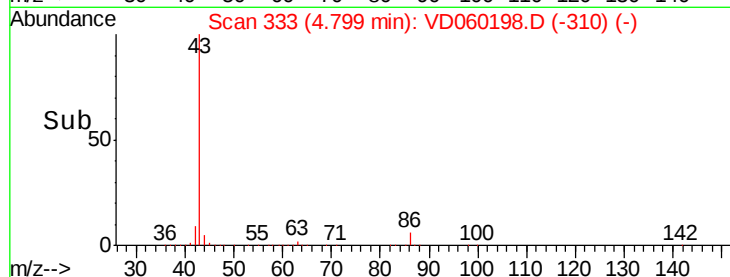
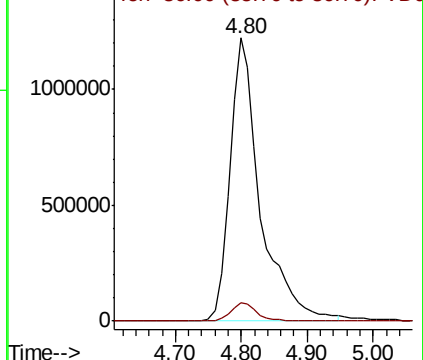
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.570 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

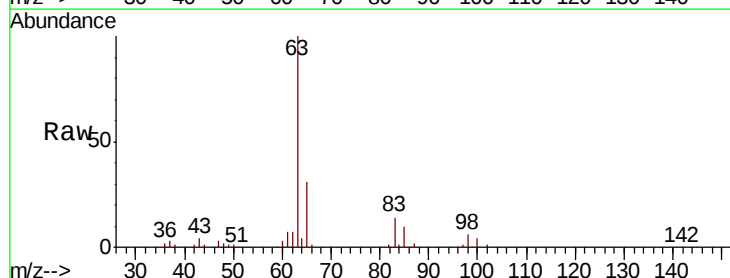
Tgt Ion: 63 Resp: 604083

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

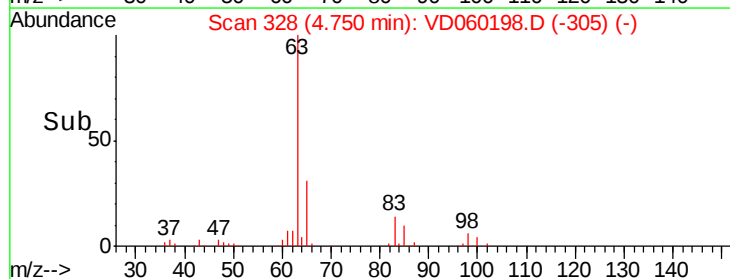
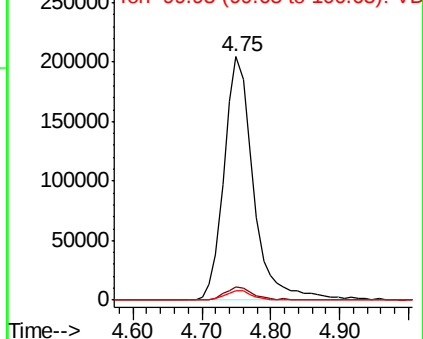
100 4.0 1.8 5.3

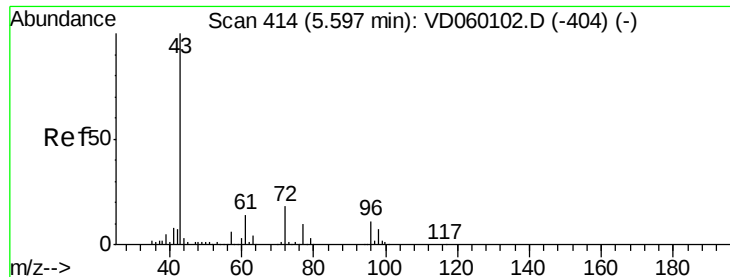


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 129.759 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 695629

Ion Ratio Lower Upper

43 100

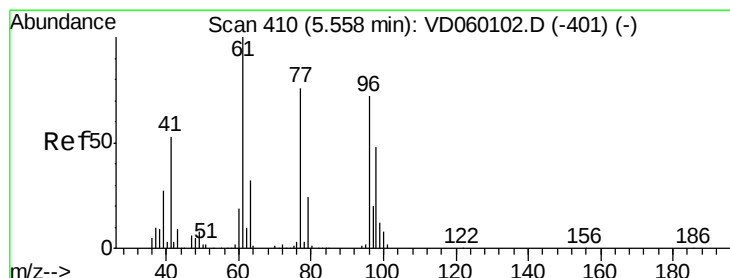
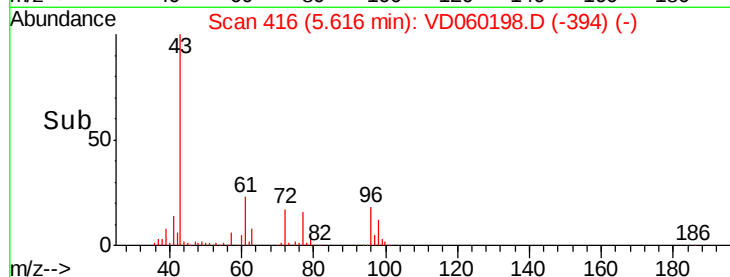
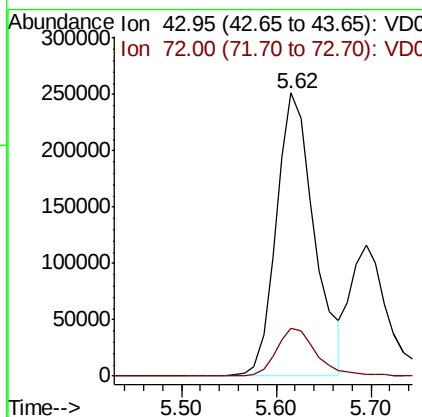
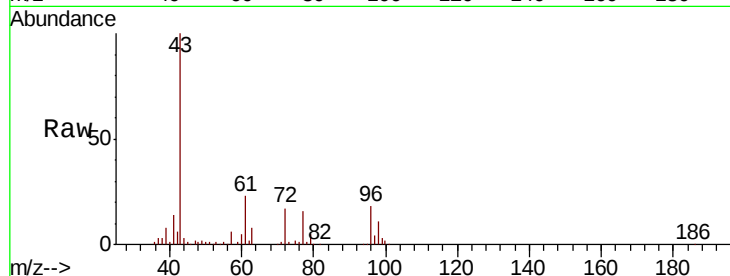
72 16.8 14.5 21.7

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#26

2,2-Dichloropropane

Concen: 23.912 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060198.D

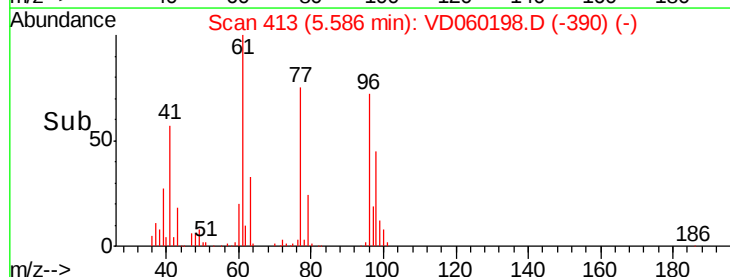
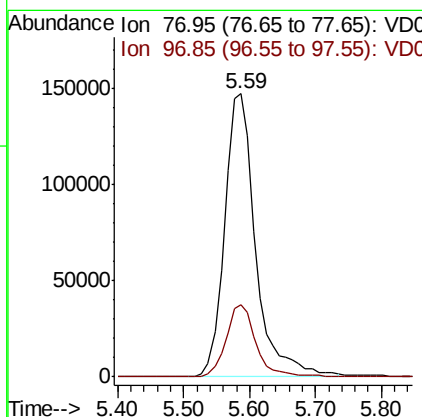
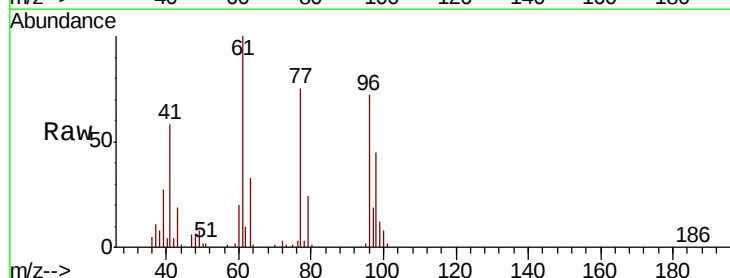
Acq: 25 Oct 2018 16:42

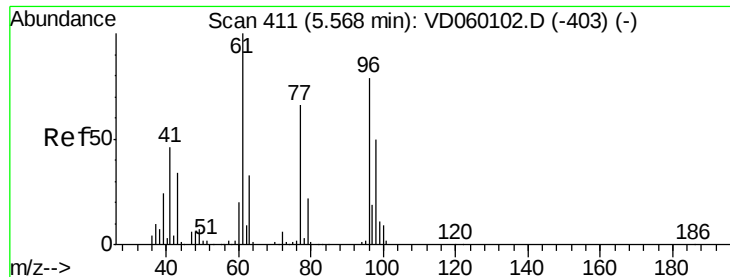
Tgt Ion: 77 Resp: 485181

Ion Ratio Lower Upper

77 100

97 25.4 13.3 39.9





#27

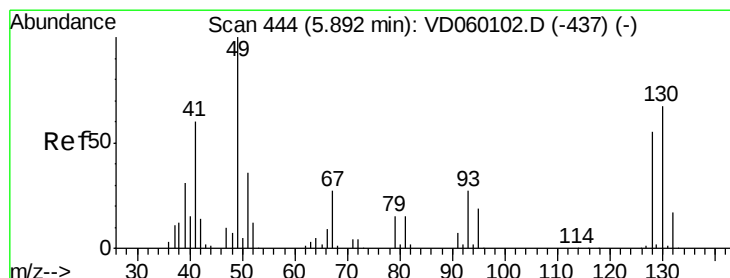
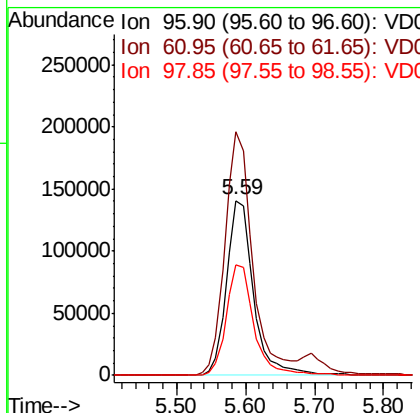
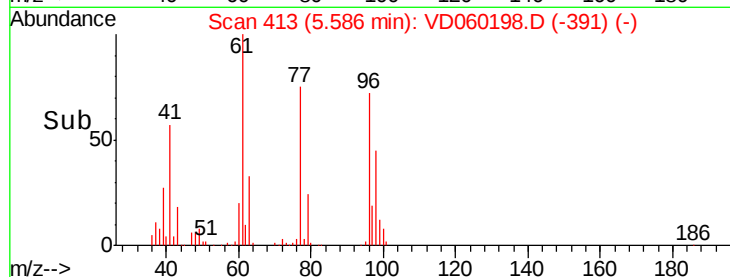
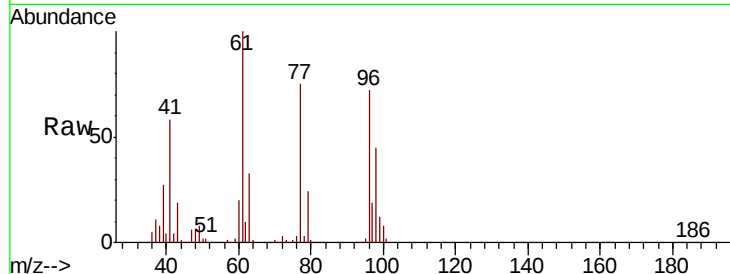
cis-1,2-Dichloroethene  
Concen: 21.928 ug/l  
RT: 5.59 min Scan# 413  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 96      | 100   |      |       |       |
| 61      | 139.1 | 0.0  | 251.8 |       |
| 98      | 62.9  | 0.0  | 125.2 |       |

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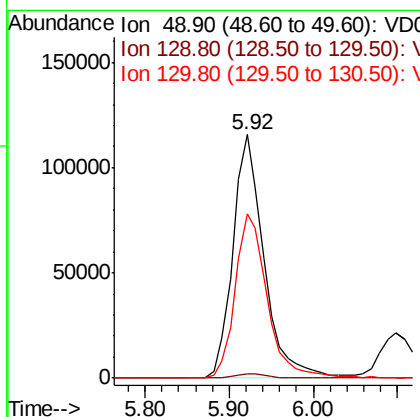
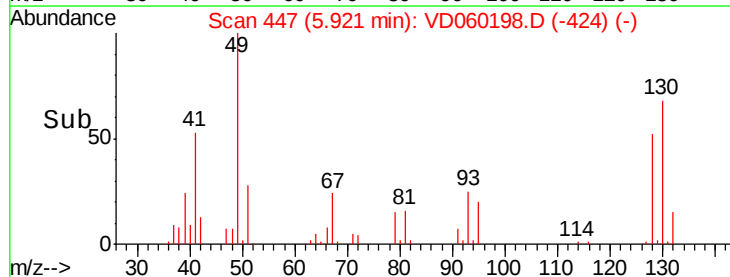
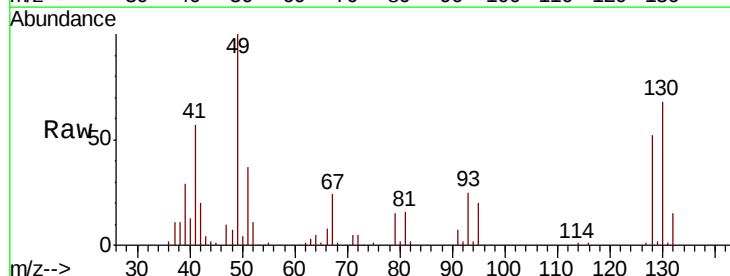
apatel  
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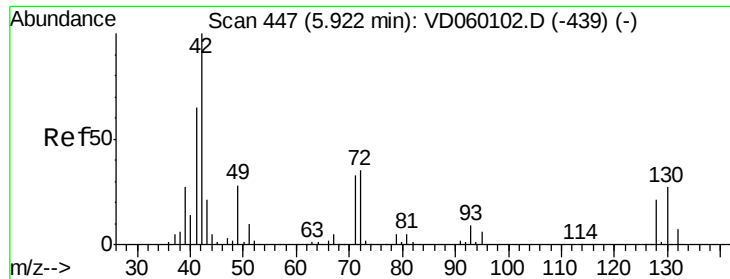


#28

Bromochloromethane  
Concen: 22.824 ug/l  
RT: 5.92 min Scan# 447  
Delta R.T. 0.03 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 49      | 100   |      |       |       |
| 129     | 1.8   | 0.0  | 3.6   |       |
| 130     | 67.7  | 53.9 | 80.9  |       |





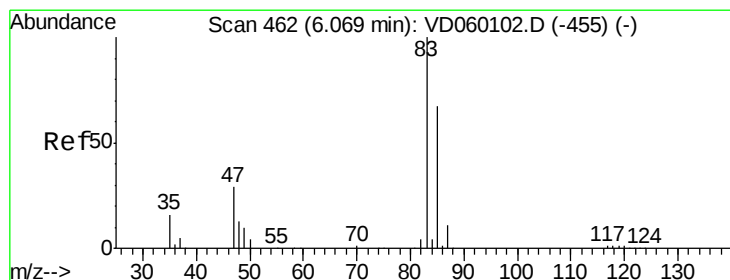
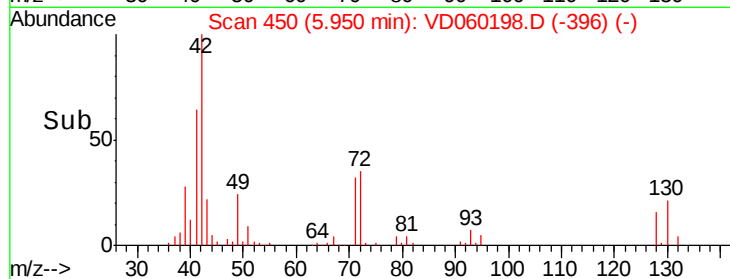
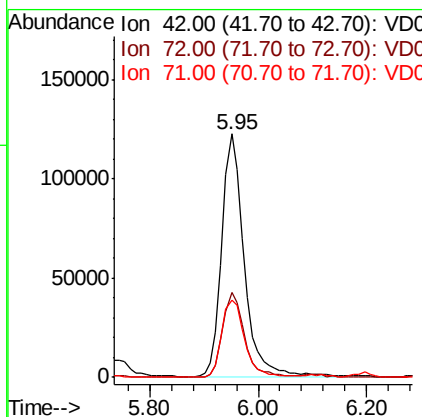
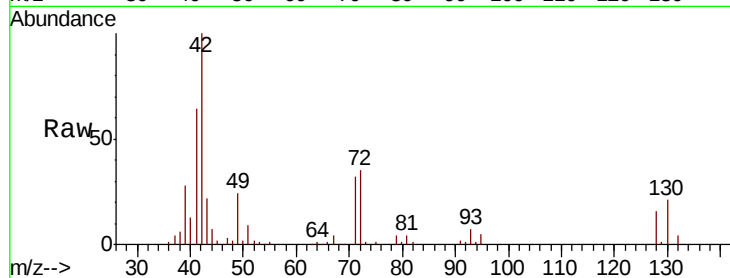
#29  
Tetrahydrofuran  
Concen: 113.355 ug/l  
RT: 5.95 min Scan# 450  
Delta R.T. 0.03 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 34.2  | 26.9  | 40.3  |
| 71      | 32.9  | 26.7  | 40.1  |

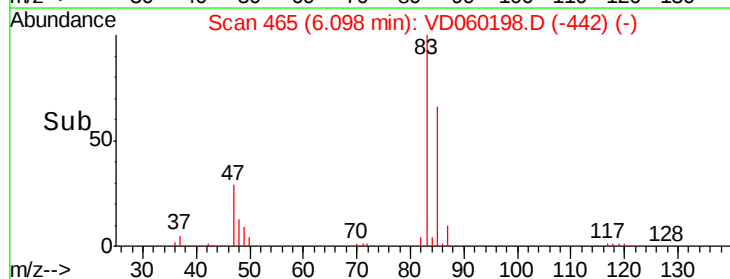
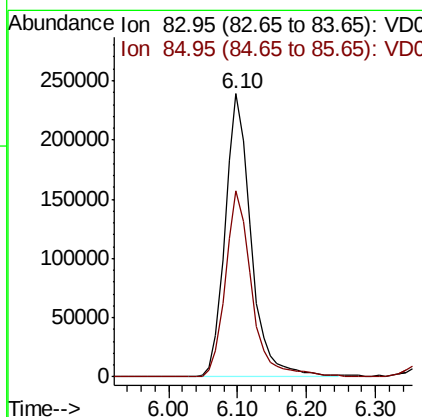
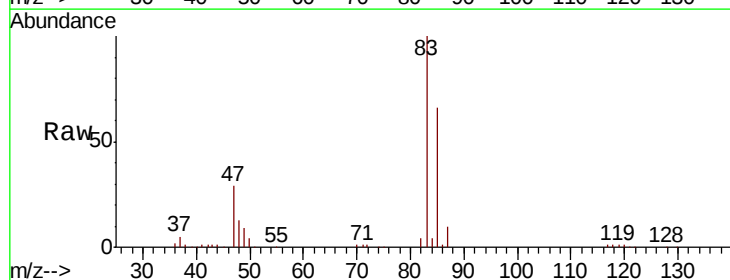
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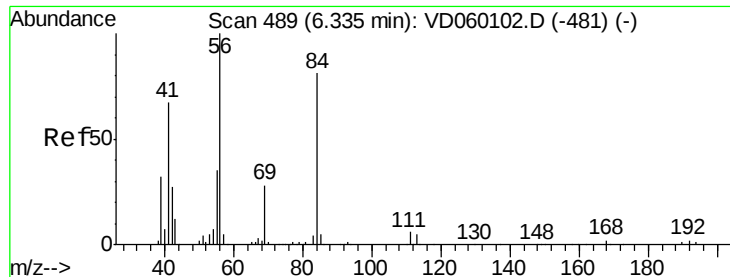
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#30  
Chloroform  
Concen: 22.974 ug/l  
RT: 6.10 min Scan# 465  
Delta R.T. 0.03 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.9  | 53.8  | 80.8  |





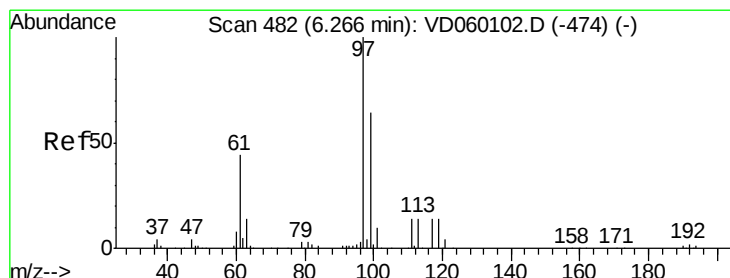
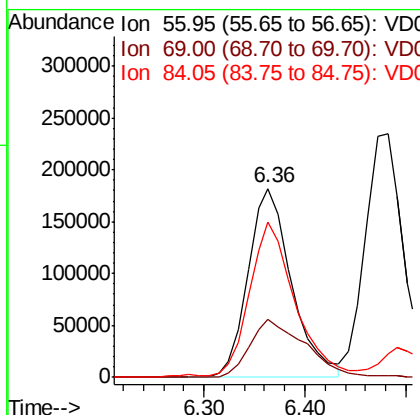
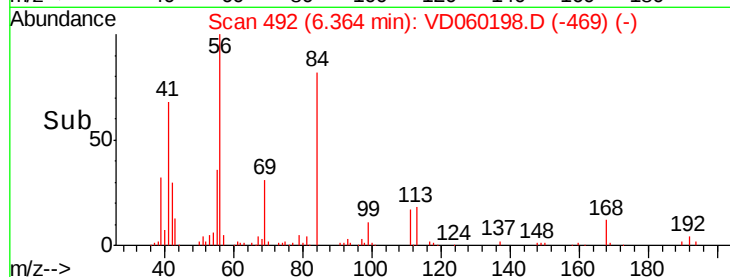
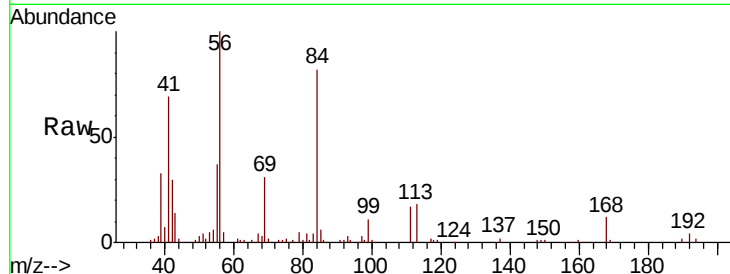
#31  
Cvclohexane  
Concen: 21.356 ug/l  
RT: 6.36 min Scan# 492  
Delta R.T. 0.03 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 30.6  | 22.8  | 34.2  |
| 84      | 82.3  | 64.9  | 97.3  |

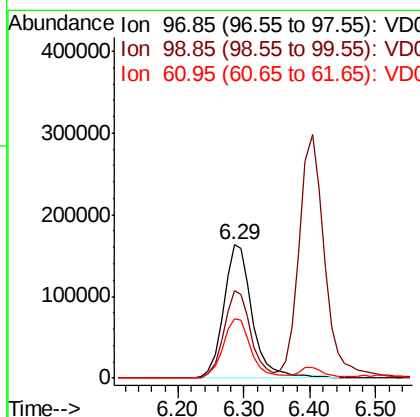
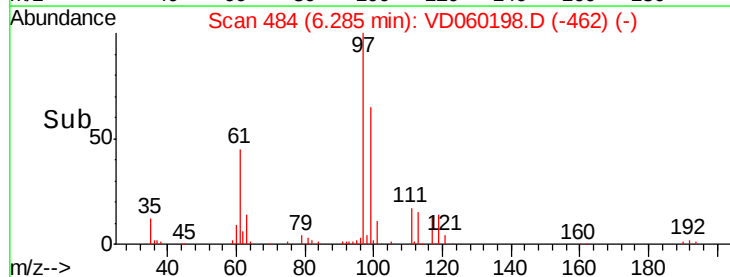
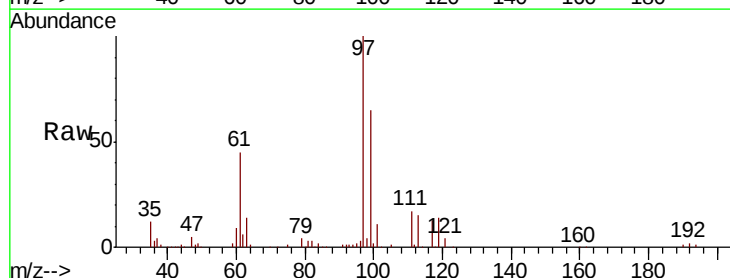
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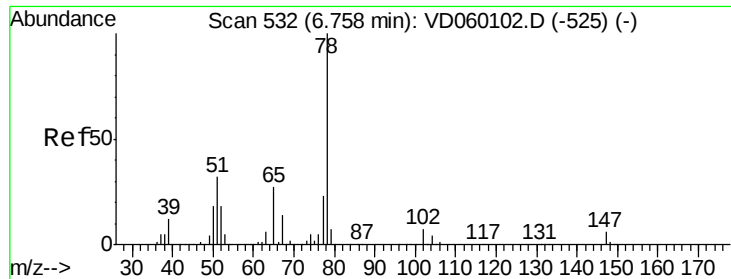
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#32  
1,1,1-Trichloroethane  
Concen: 22.161 ug/l  
RT: 6.29 min Scan# 484  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.4  | 51.4  | 77.0  |
| 61      | 44.6  | 35.5  | 53.3  |





#33

1,2-Dichloroethane-d4

Concen: 22.161 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 65 Resp: 652302

Ion Ratio Lower Upper

65 100

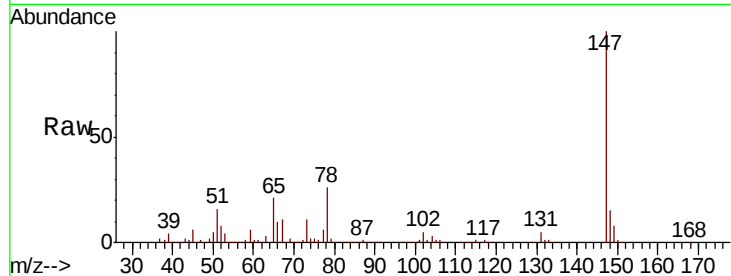
67 55.0 0.0 106.2

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

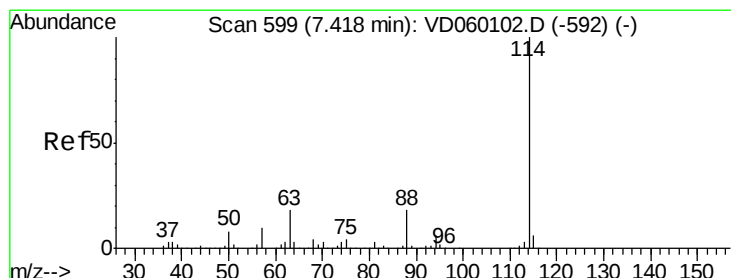
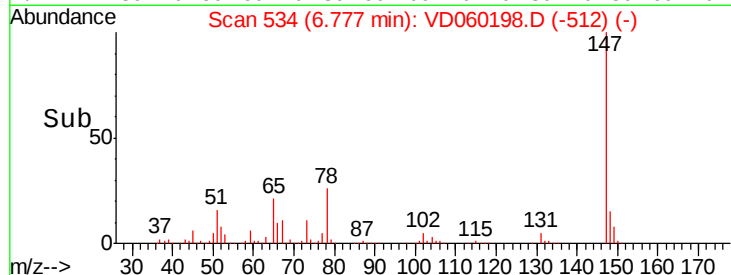
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

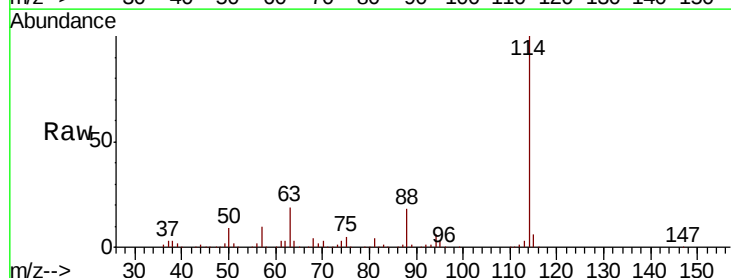
Tgt Ion: 114 Resp: 2184682

Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.0

88 18.3 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

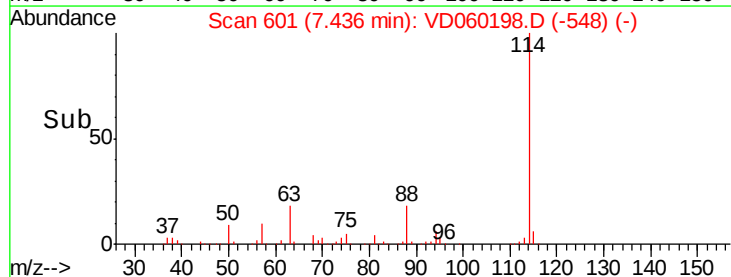
200000

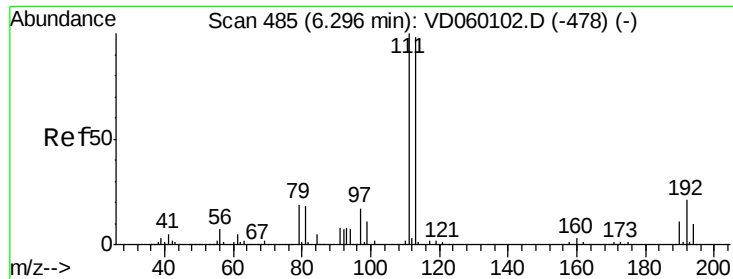
0

7.40

7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 488

Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

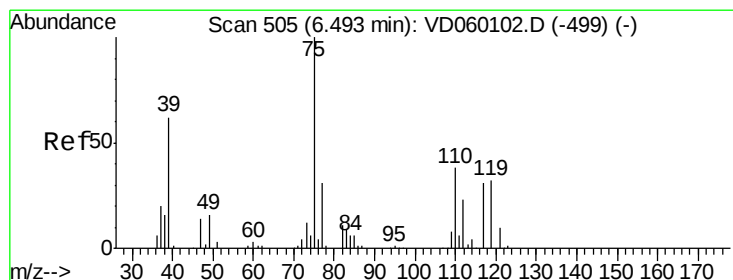
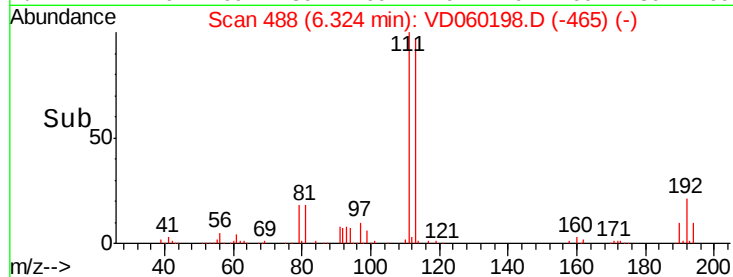
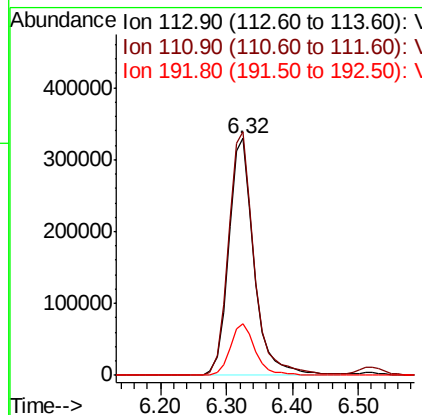
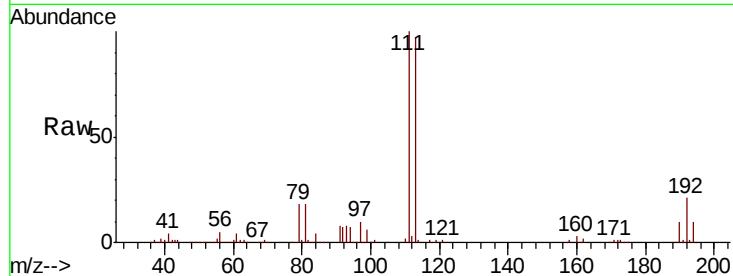
ClientSampleId :

VD1025SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 113   | Resp: | 885926 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 102.7 | 81.5  | 122.3  |
| 192       | 21.6  | 17.4  | 26.0   |

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#36

1,1-Dichloropropene

Concen: 21.669 ug/l

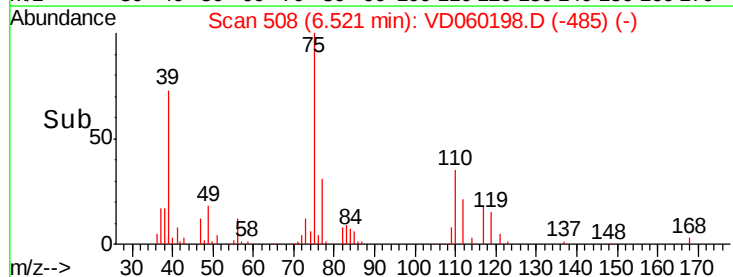
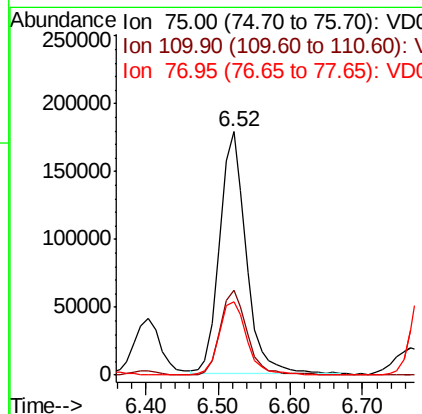
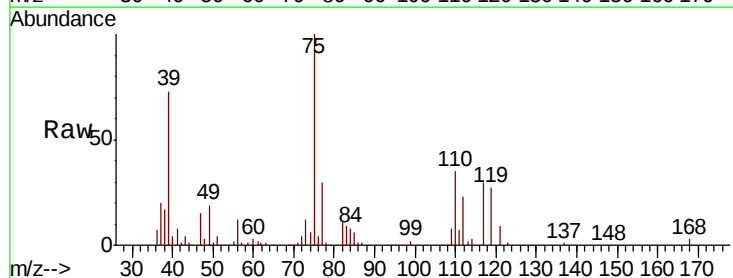
RT: 6.52 min Scan# 508

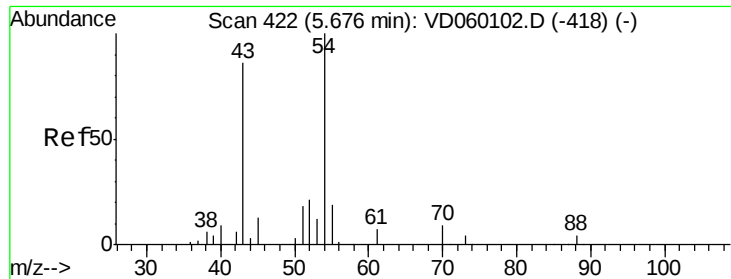
Delta R.T. 0.03 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 452369 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 110       | 35.1  | 19.0  | 57.0   |
| 77        | 30.3  | 24.9  | 37.3   |





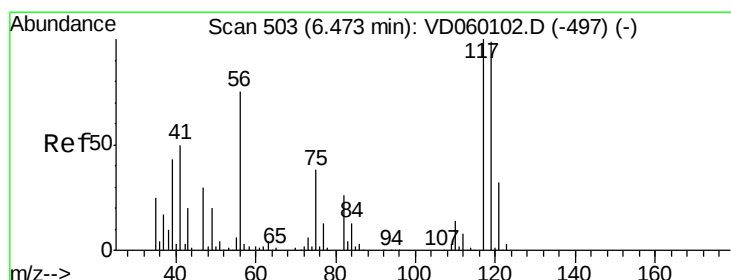
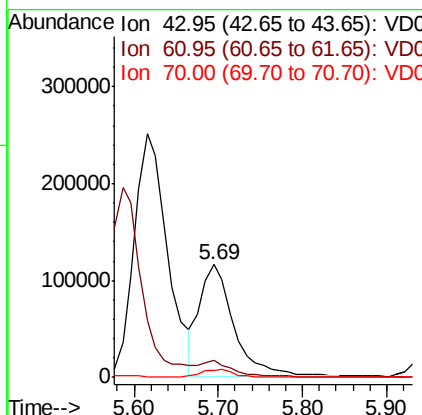
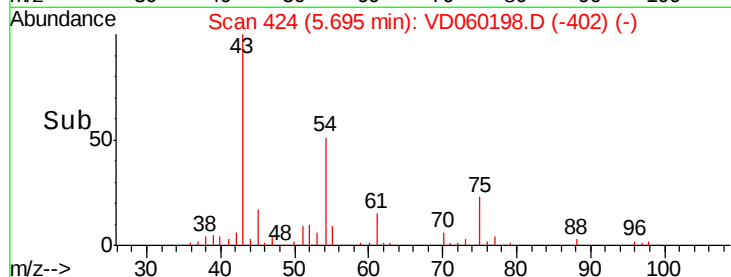
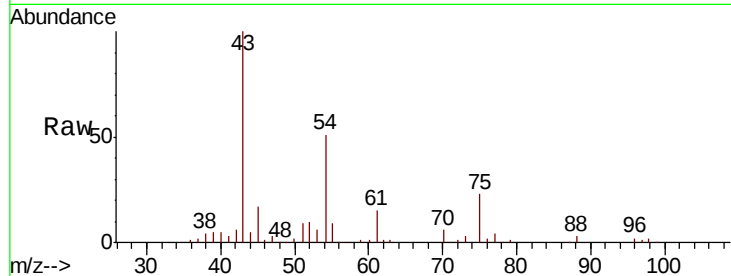
#37  
Ethyl Acetate  
Concen: 23.213 ug/l  
RT: 5.69 min Scan# 424  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.2  | 10.5  | 15.7  |
| 70      | 6.4   | 6.3   | 9.5   |

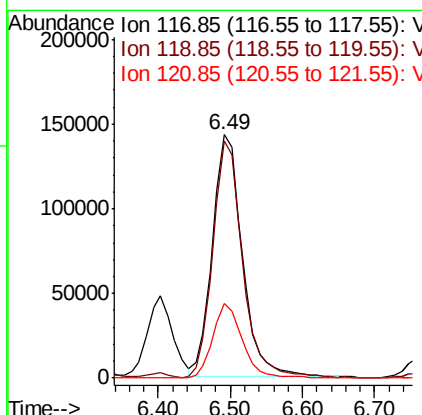
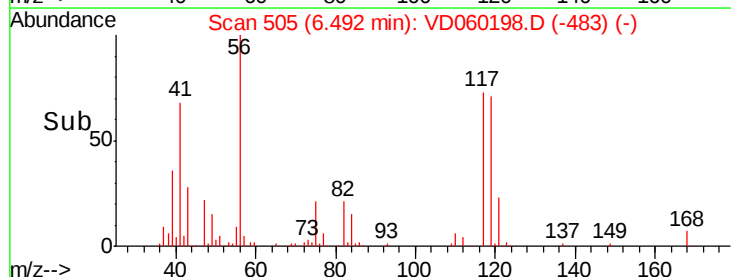
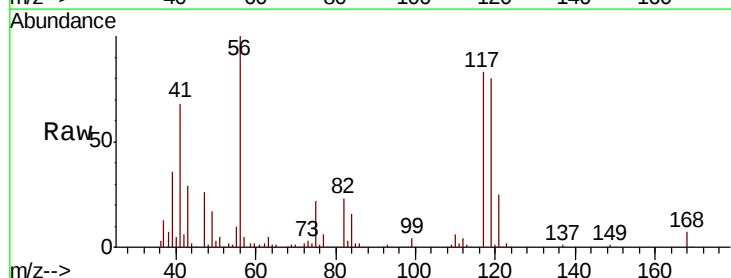
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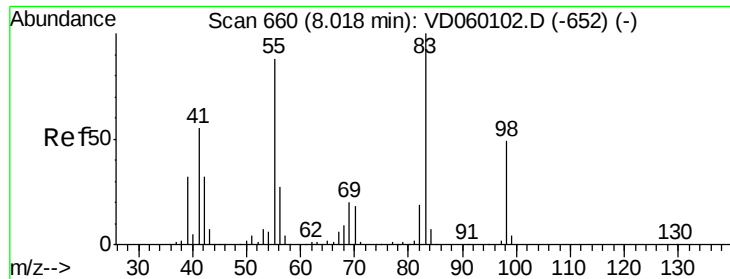
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#38  
Carbon Tetrachloride  
Concen: 21.627 ug/l  
RT: 6.49 min Scan# 505  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 97.4  | 77.8  | 116.6 |
| 121     | 30.7  | 24.8  | 37.2  |





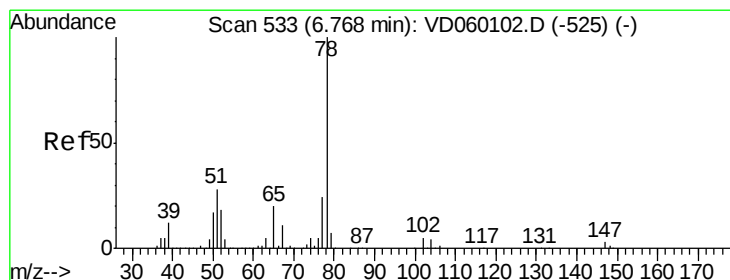
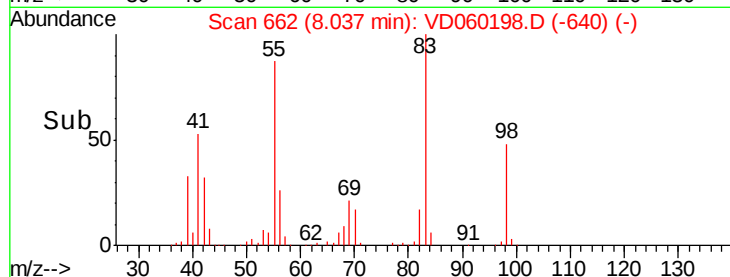
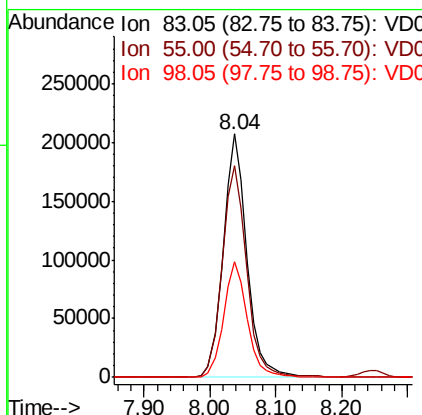
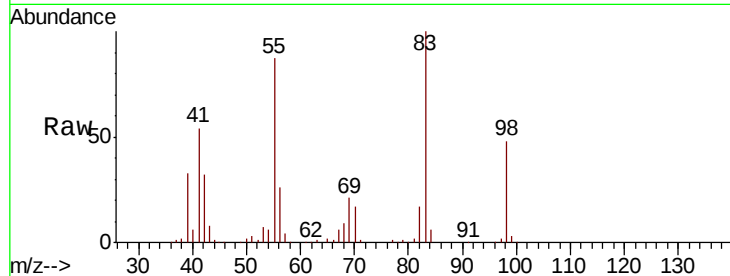
#39  
Methvlcvclohexane  
Concen: 21.940 ug/l  
RT: 8.04 min Scan# 662  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.7  | 70.5  | 105.7 |
| 98      | 47.5  | 39.4  | 59.2  |

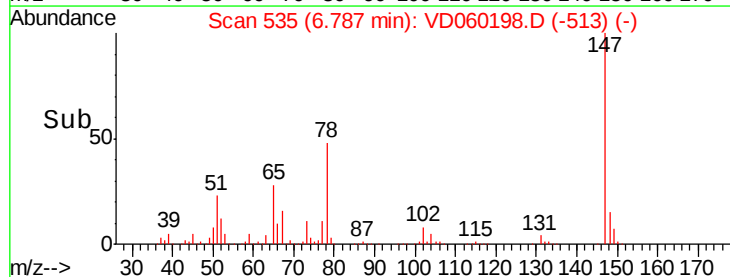
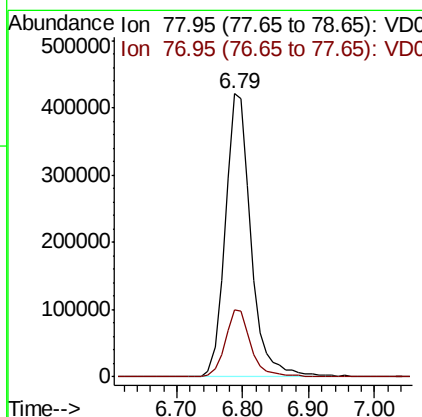
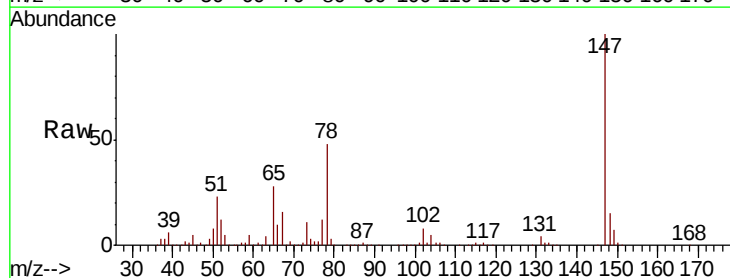
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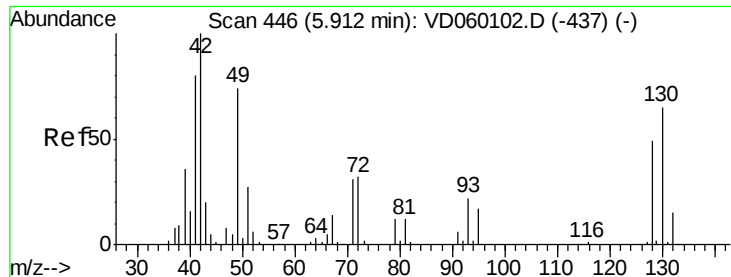
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#40  
Benzene  
Concen: 21.031 ug/l  
RT: 6.79 min Scan# 535  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.9  | 19.0  | 28.4  |





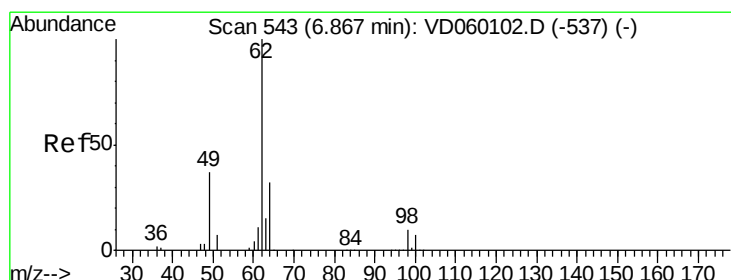
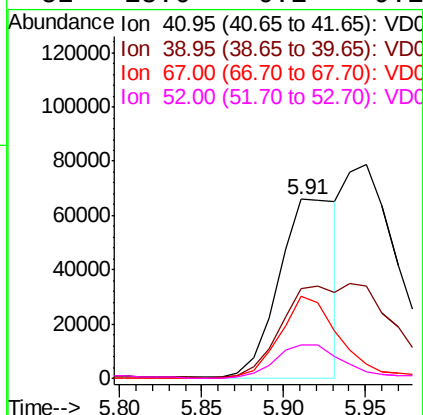
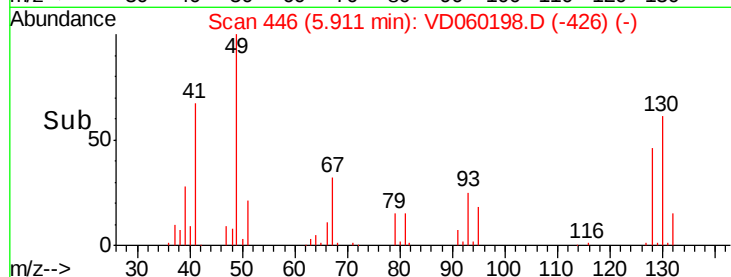
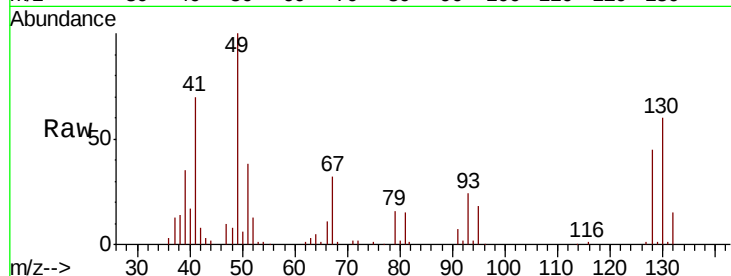
#41  
Methacrylonitrile  
Concen: 20.880 ug/l m  
RT: 5.91 min Scan# 446  
Delta R.T. -0.00 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 50.3  | 36.0  | 54.0  |
| 67      | 45.9  | 13.9  | 20.9  |
| 52      | 18.6  | 6.1   | 9.1   |

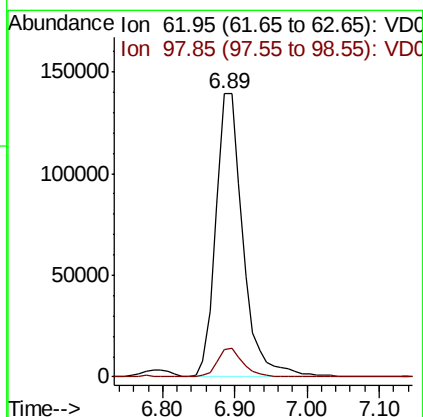
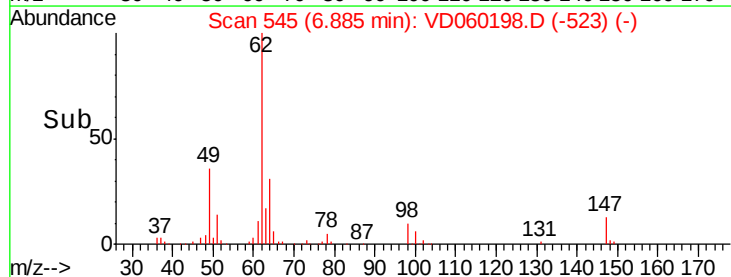
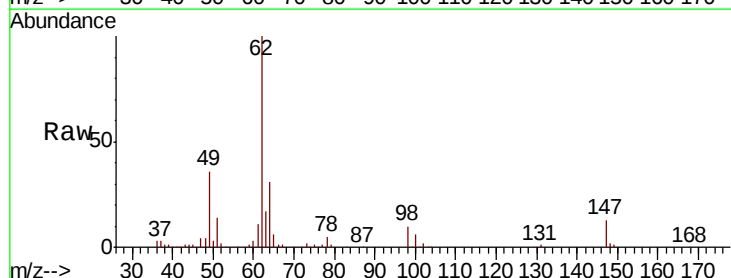
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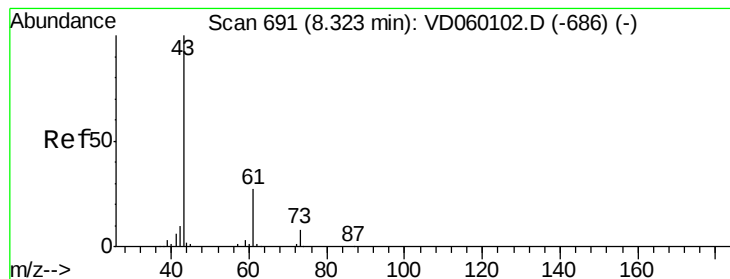
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10/26/2018 10:51:00 AM



#42  
1,2-Dichloroethane  
Concen: 23.138 ug/l  
RT: 6.89 min Scan# 545  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.8   | 0.0   | 20.6  |





#43

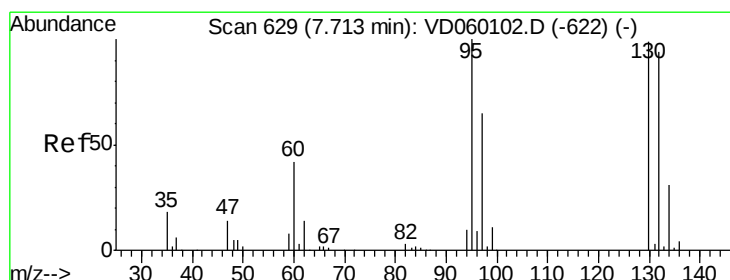
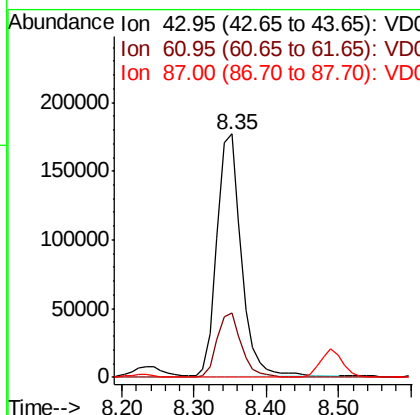
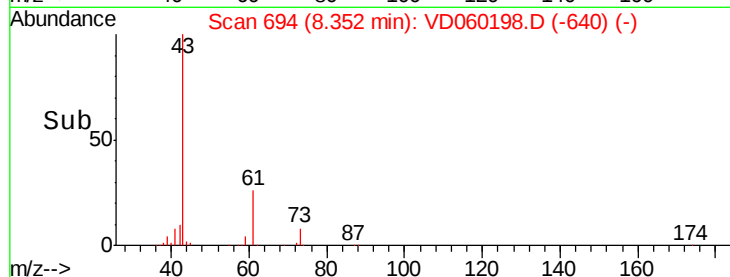
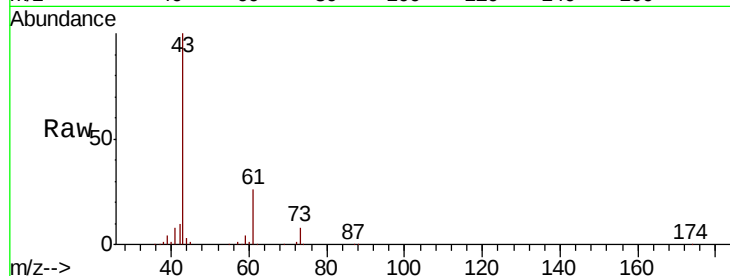
Isopropyl Acetate  
 Concen: 22.429 ug/l  
 RT: 8.35 min Scan# 694  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 26.2  | 21.4  | 32.2  |
| 87      | 0.2   | 0.2   | 0.2   |

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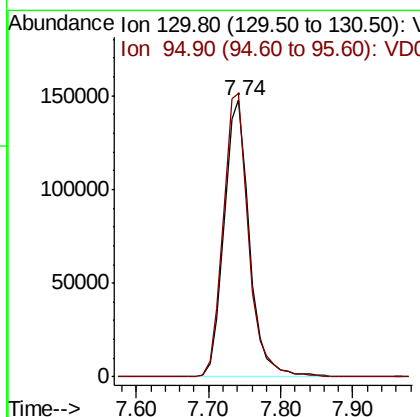
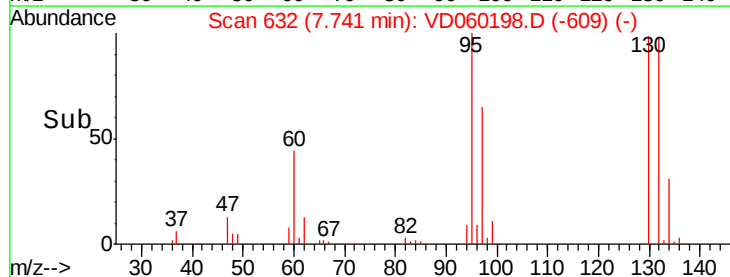
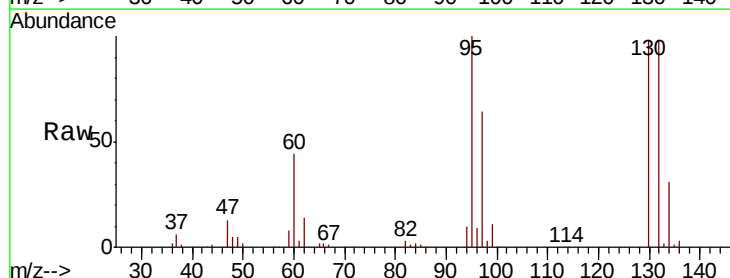
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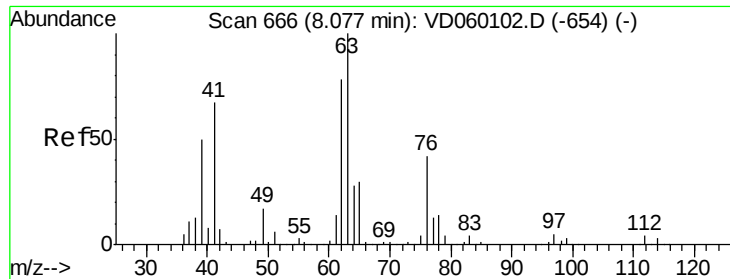


#44

Trichloroethene  
 Concen: 21.248 ug/l  
 RT: 7.74 min Scan# 632  
 Delta R.T. 0.03 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 102.3 | 0.0   | 202.2 |





#45

1,2-Dichloropropane

Concen: 22.703 ug/l

RT: 8.10 min Scan# 668

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 63 Resp: 324677

Ion Ratio Lower Upper

63 100

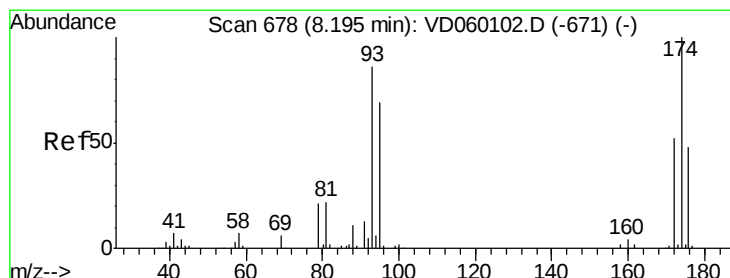
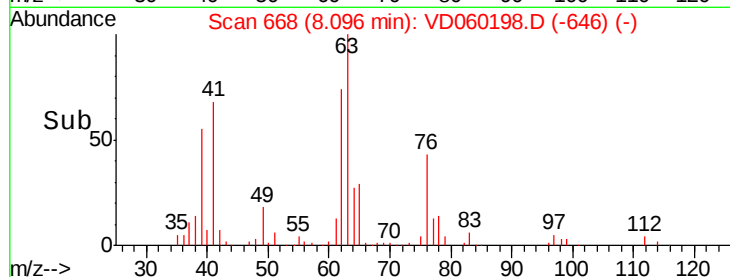
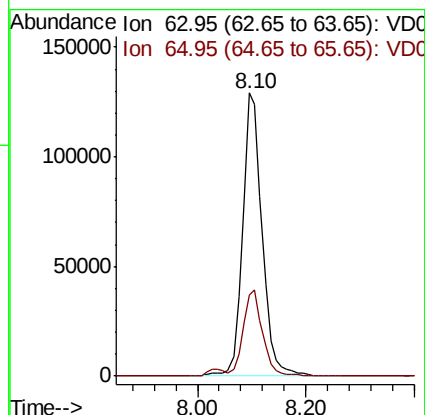
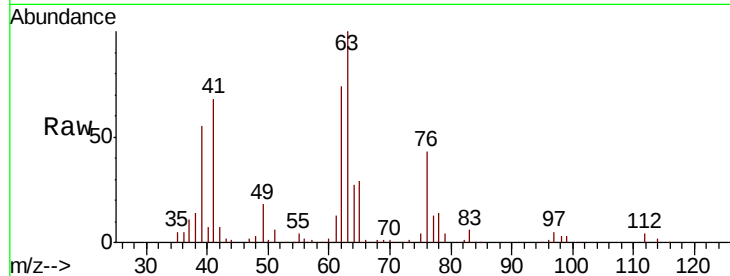
65 28.8 24.1 36.1

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#46

Dibromomethane

Concen: 22.167 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

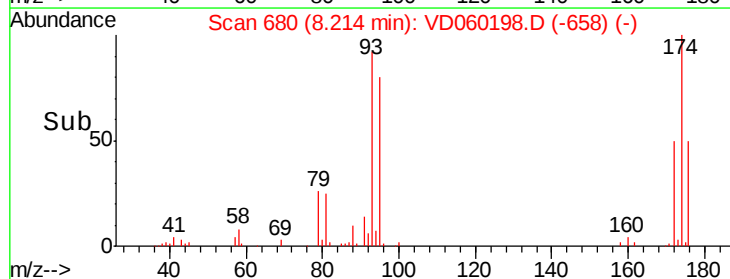
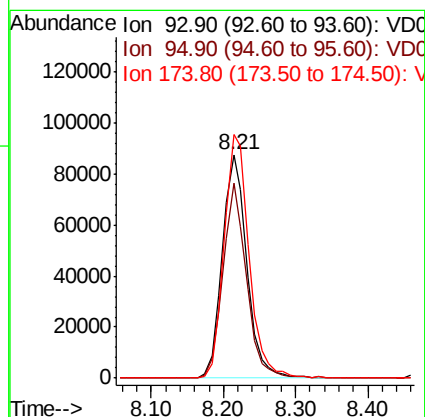
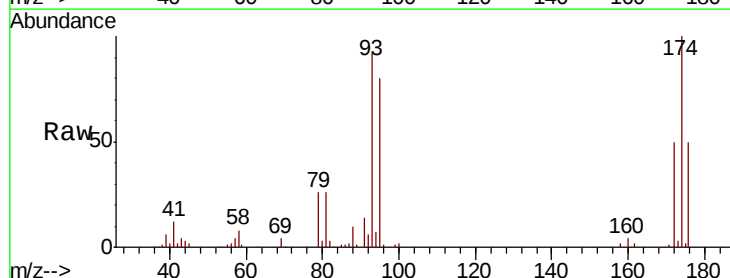
Tgt Ion: 93 Resp: 205238

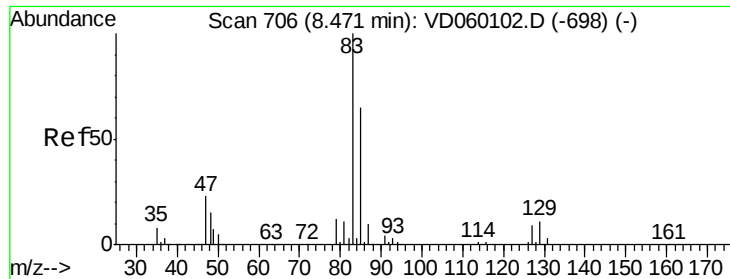
Ion Ratio Lower Upper

93 100

95 87.4 63.8 95.6

174 108.9 92.9 139.3





#47

Bromodichloromethane

Concen: 22.806 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

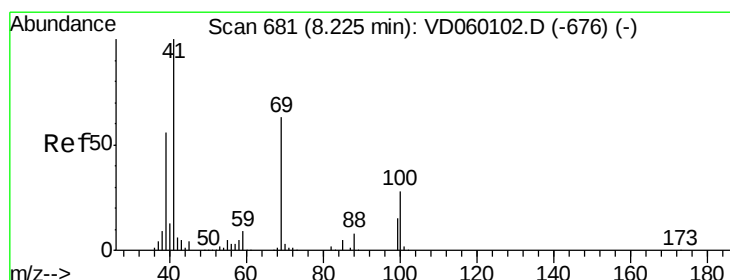
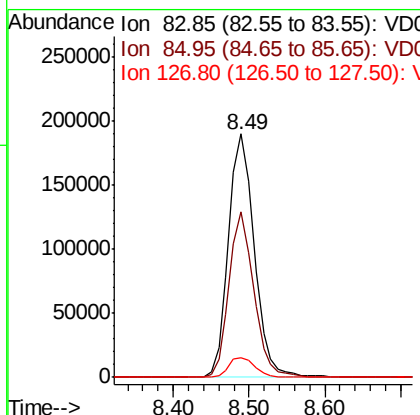
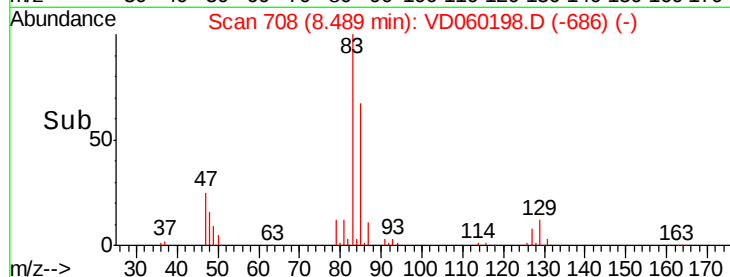
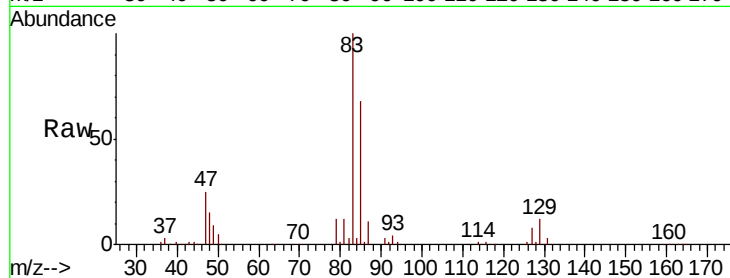
ClientSampleId :

VD1025SBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 449906 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 68.1  | 52.2  | 78.2   |
| 127       | 8.3   | 7.4   | 11.0   |

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#48

Methyl methacrylate

Concen: 22.725 ug/l

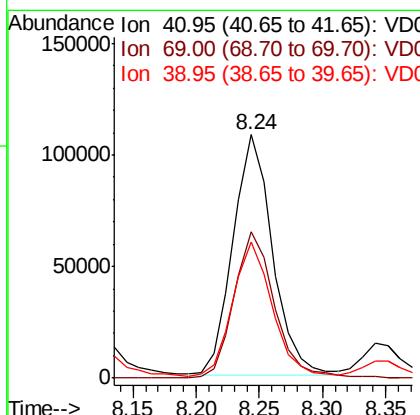
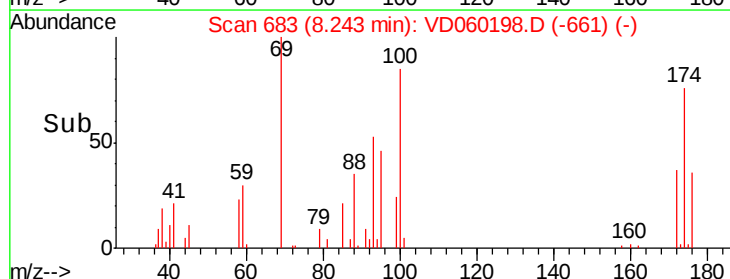
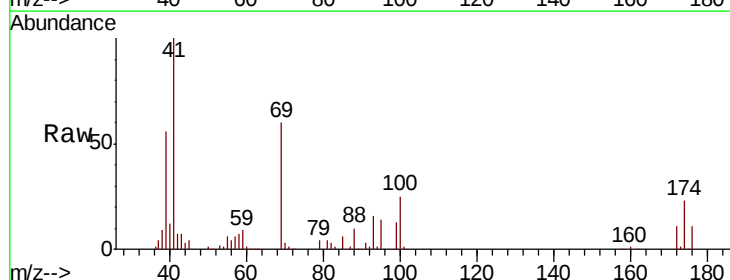
RT: 8.24 min Scan# 683

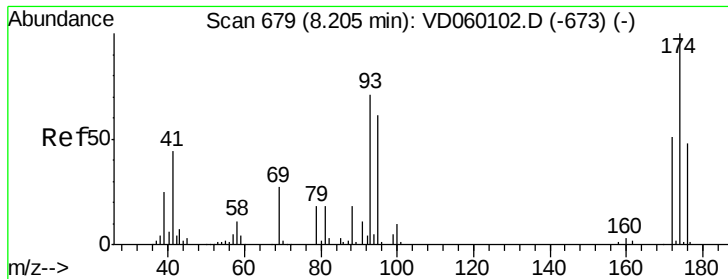
Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 235980 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 60.2  | 49.7  | 74.5   |
| 39        | 55.6  | 45.2  | 67.8   |





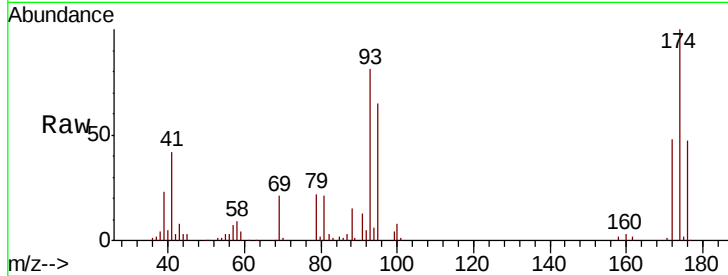
#49  
1,4-Dioxane  
Concen: 450.634 ug/l  
RT: 8.22 min Scan# 681  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

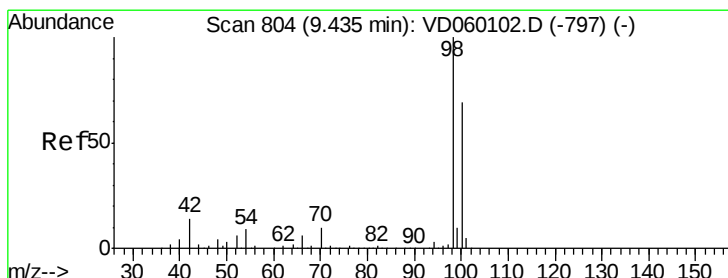
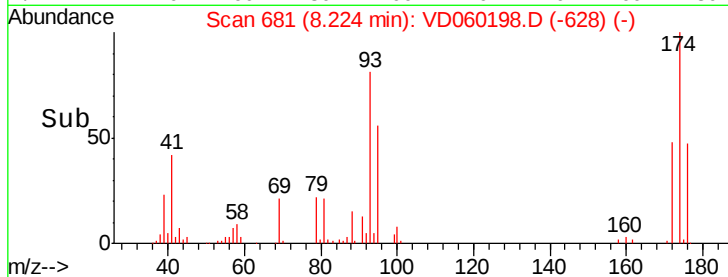
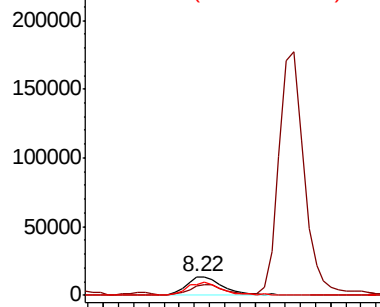
Tot Ion: 88 Resp: 46043  
Ion Ratio Lower Upper  
88 100  
43 50.9 33.7 50.5#  
58 56.4 49.1 73.7

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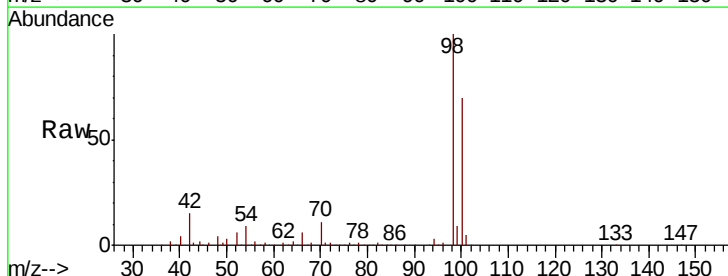


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

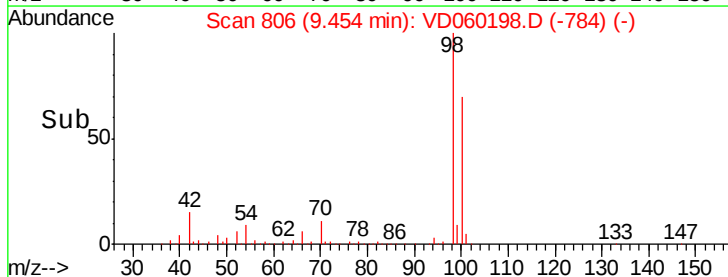
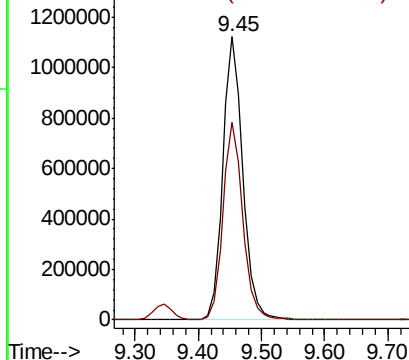


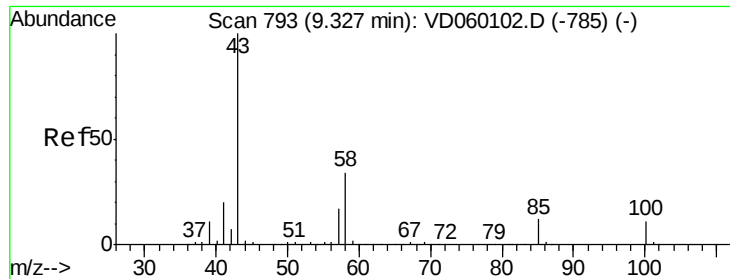
#50  
Toluene-d8  
Concen: 450.634 ug/l  
RT: 9.45 min Scan# 806  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion: 98 Resp: 2467950  
Ion Ratio Lower Upper  
98 100  
100 69.6 55.4 83.0



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: 118.740 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 1365338

Ion Ratio Lower Upper

43 100

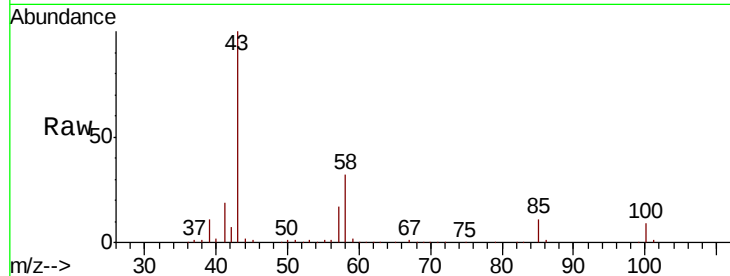
58 32.0 27.2 40.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

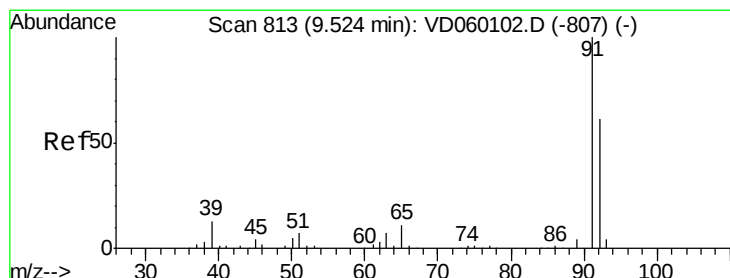
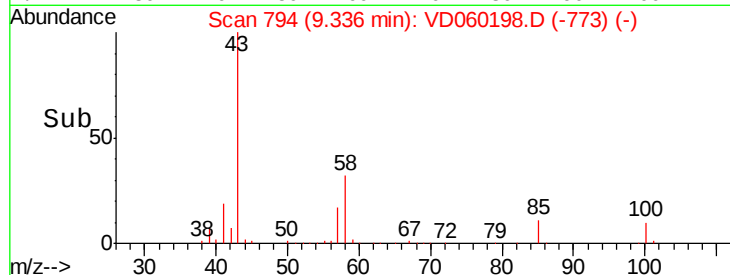
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 22.004 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060198.D

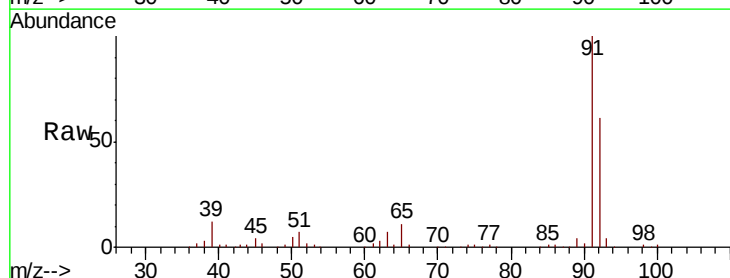
Acq: 25 Oct 2018 16:42

Tgt Ion: 92 Resp: 773976

Ion Ratio Lower Upper

92 100

91 163.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.55

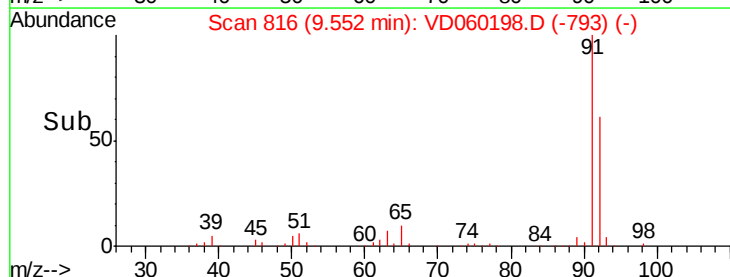
600000

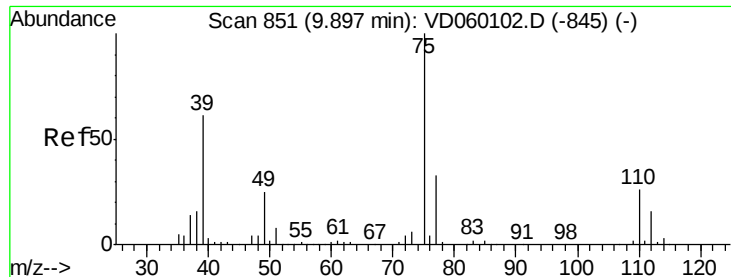
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.804 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBSD01

Tot Ion: 75 Resp: 407051

Ion Ratio Lower Upper

75 100

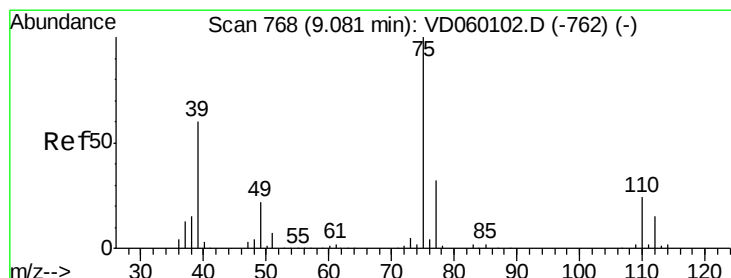
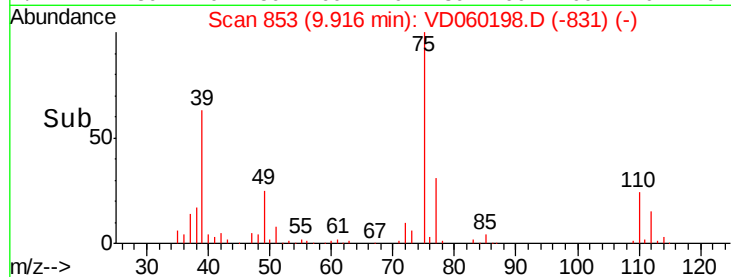
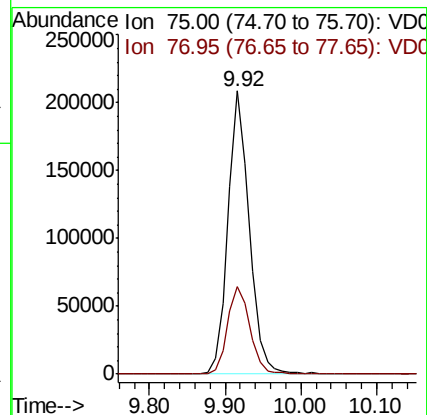
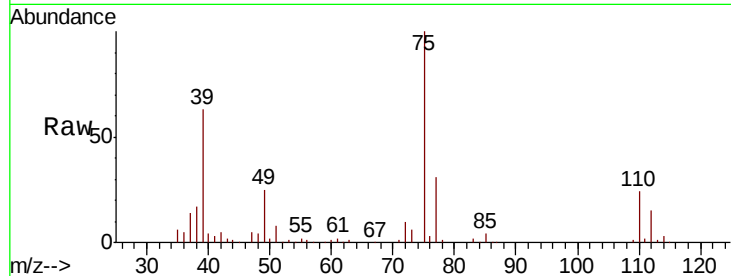
77 30.8 26.2 39.2

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#54

cis-1,3-Dichloropropene

Concen: 22.442 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

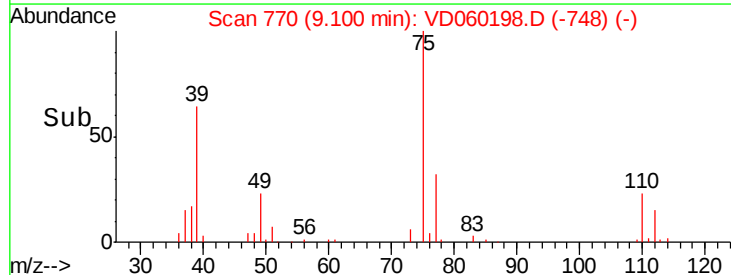
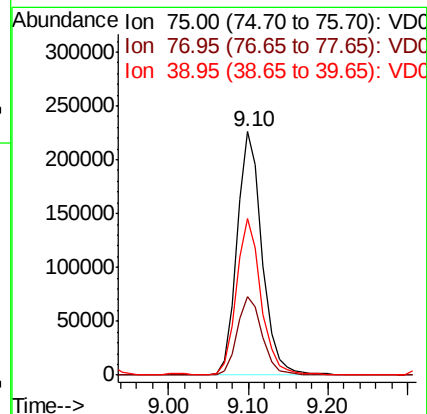
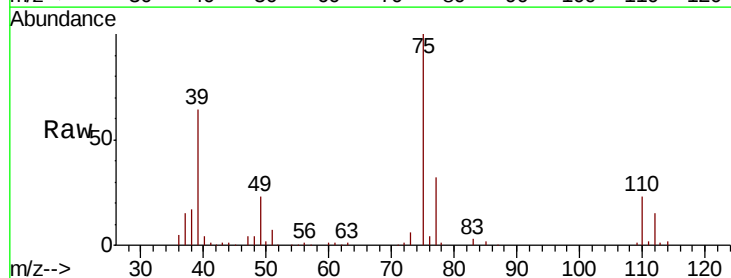
Tgt Ion: 75 Resp: 494689

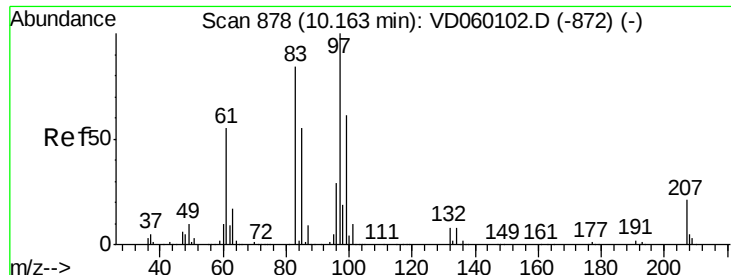
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 64.4 48.2 72.4





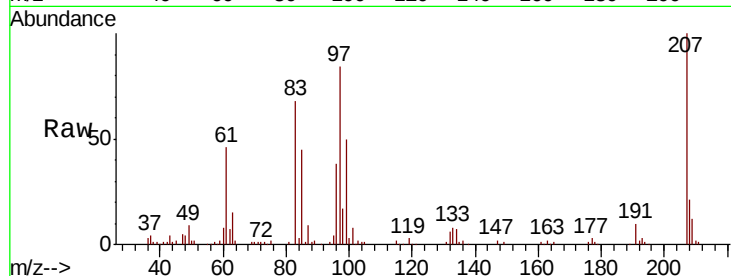
#55  
 1,1,2-Trichloroethane  
 Concen: 22.550 ug/l  
 RT: 10.18 min Scan# 880  
 Delta R.T. 0.02 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

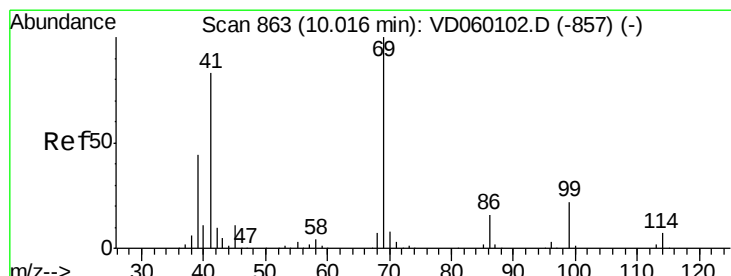
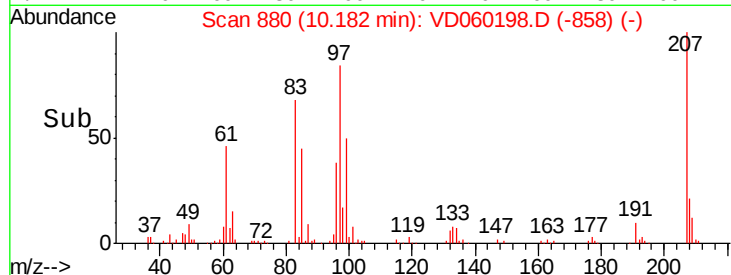
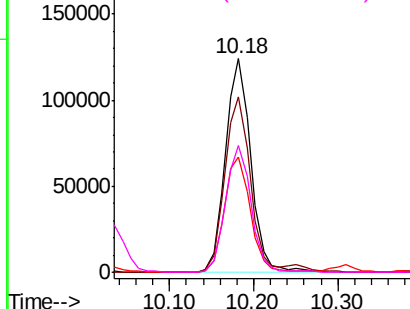
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 97      | 100  |       | 259301 |       |       |
| 83      | 82.0 | 67.0  | 100.6  |       |       |
| 85      | 54.2 | 43.9  | 65.9   |       |       |
| 99      | 59.5 | 49.1  | 73.7   |       |       |

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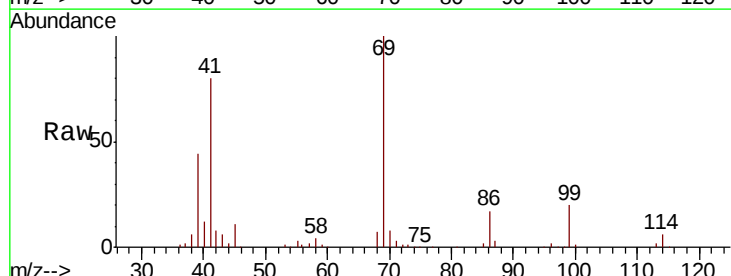


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

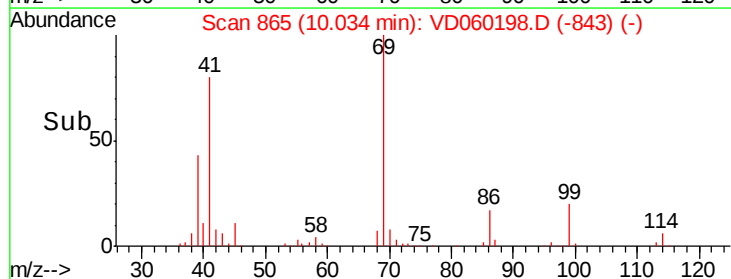
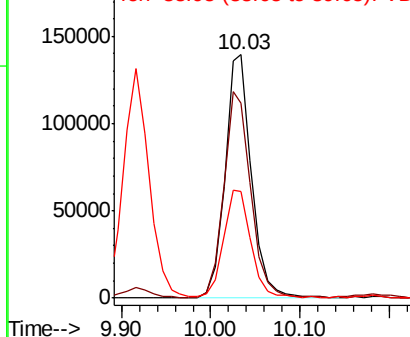


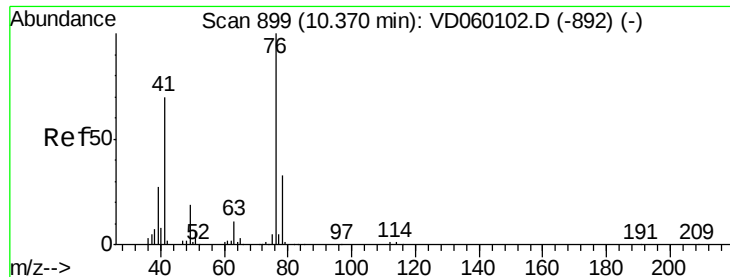
#56  
 Ethyl methacrylate  
 Concen: 22.819 ug/l  
 RT: 10.03 min Scan# 865  
 Delta R.T. 0.02 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 289648 |       |       |
| 41      | 80.1 | 66.6  | 100.0  |       |       |
| 39      | 43.7 | 36.0  | 54.0   |       |       |



Abundance Ion 69.00 (68.70 to 69.70): VDC  
 Ion 41.05 (40.75 to 41.75): VDC  
 Ion 38.95 (38.65 to 39.65): VDC





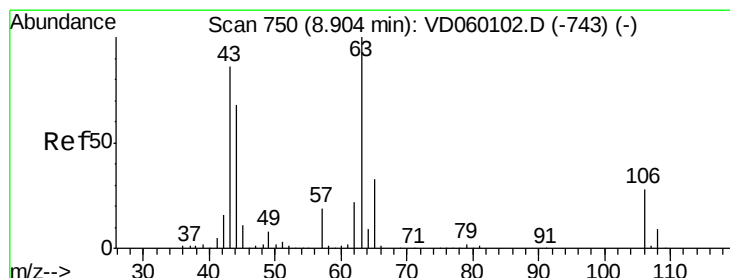
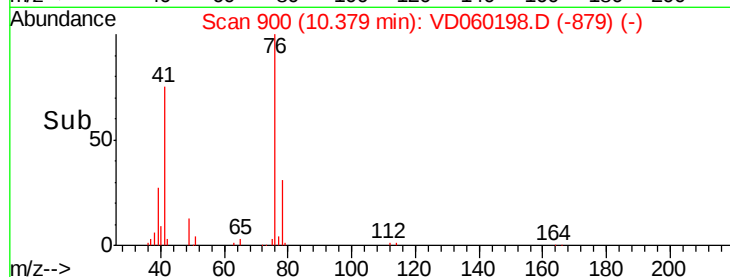
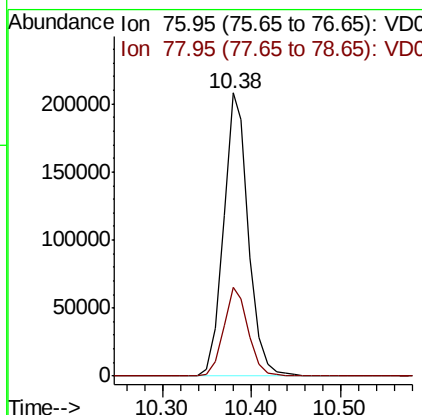
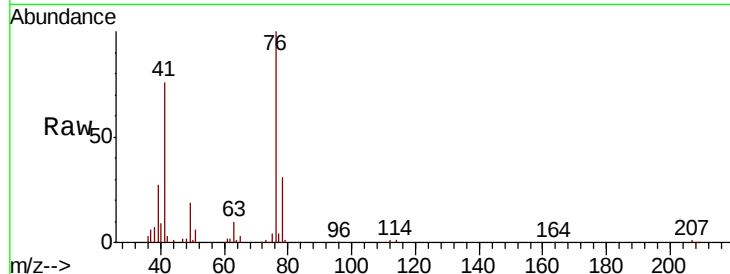
#57  
 1,3-Dichloropropane  
 Concen: 23.164 ug/l  
 RT: 10.38 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

Tot Ion: 76 Resp: 406237  
 Ion Ratio Lower Upper  
 76 100  
 78 31.4 26.2 39.2

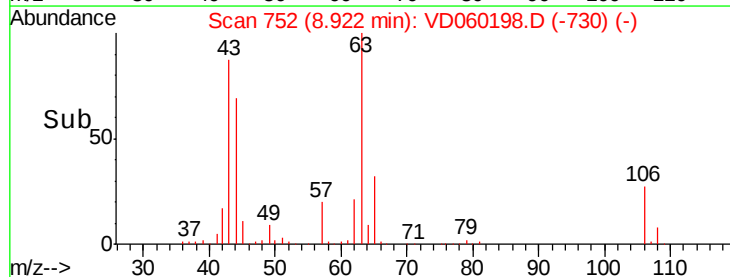
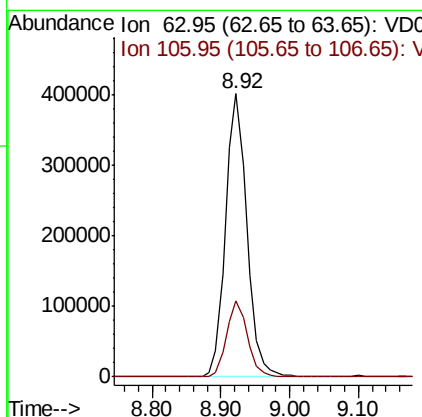
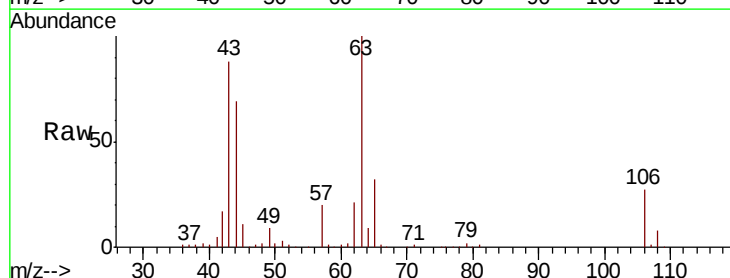
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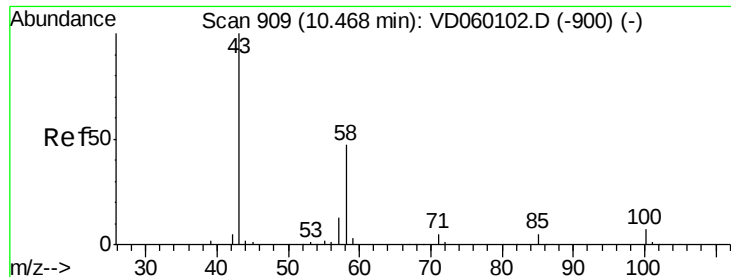
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 122.408 ug/l  
 RT: 8.92 min Scan# 752  
 Delta R.T. 0.02 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Tgt Ion: 63 Resp: 862824  
 Ion Ratio Lower Upper  
 63 100  
 106 27.0 22.6 34.0





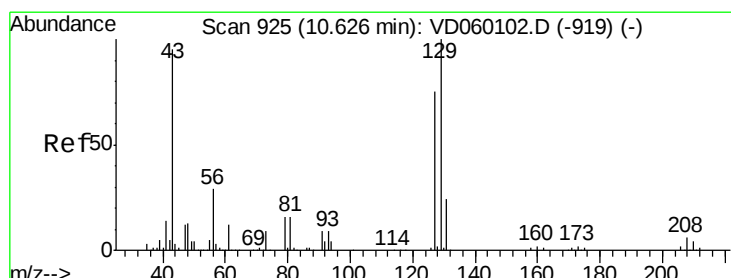
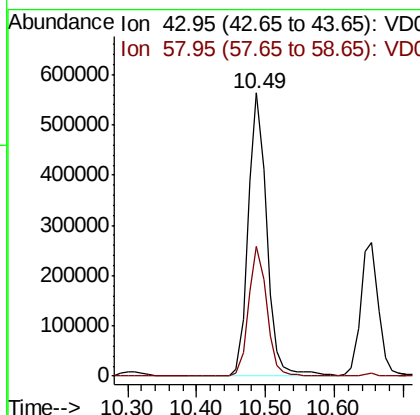
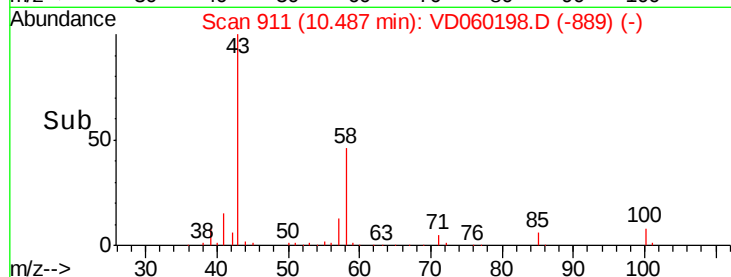
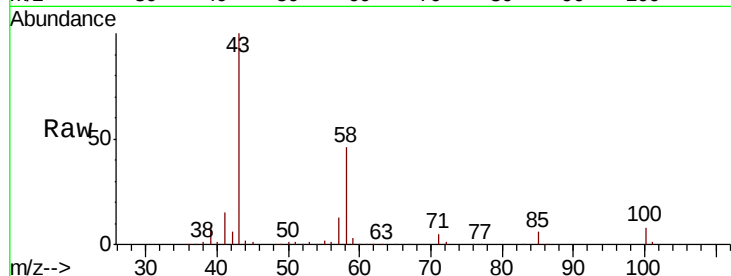
#59  
2-Hexanone  
Concen: 126.730 ug/l  
RT: 10.49 min Scan# 911  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

Tot Ion: 43 Resp: 1047851  
Ion Ratio Lower Upper  
43 100  
58 45.9 23.3 69.9

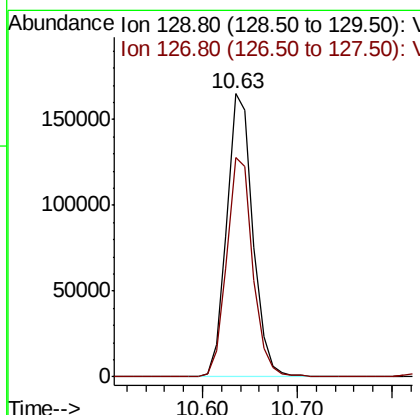
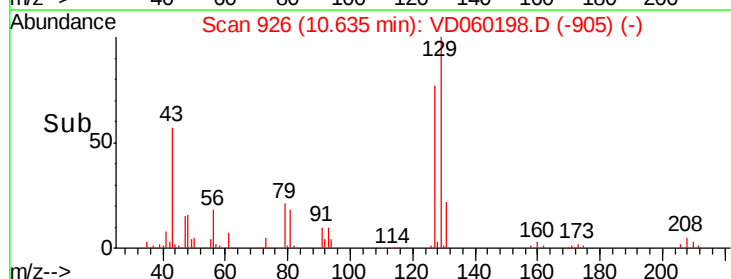
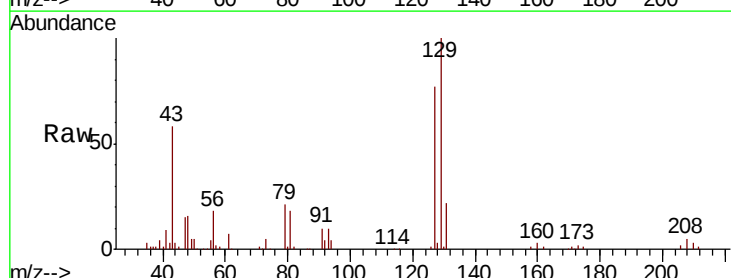
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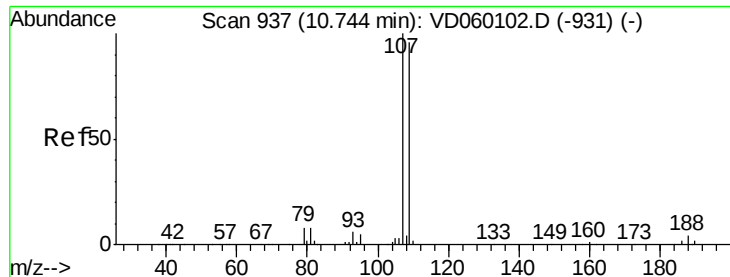
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#60  
Dibromochloromethane  
Concen: 22.319 ug/l  
RT: 10.63 min Scan# 926  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion:129 Resp: 314893  
Ion Ratio Lower Upper  
129 100  
127 77.5 37.4 112.2





#61

1,2-Dibromoethane

Concen: 21.751 ug/l

RT: 10.75 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBSD01

Tot Ion: 107 Resp: 265754

Ion Ratio Lower Upper

107 100

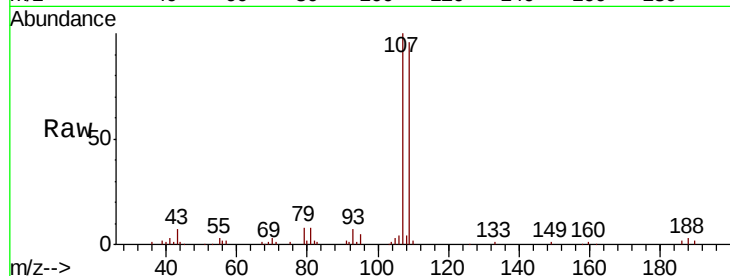
109 96.2 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

150000

100000

50000

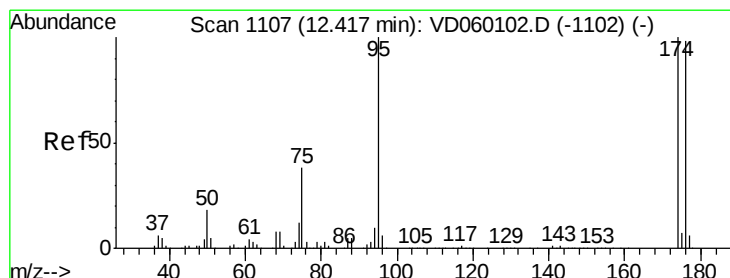
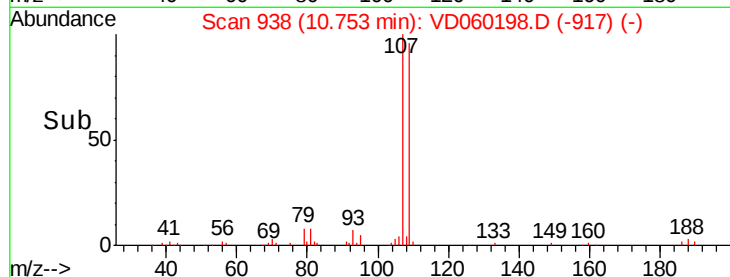
0

10.75

10.80

10.90

Time-->



#62

4-Bromofluorobenzene

Concen: 21.751 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

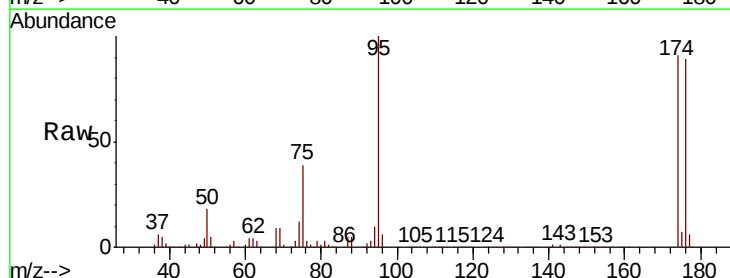
Tgt Ion: 95 Resp: 940909

Ion Ratio Lower Upper

95 100

174 90.9 0.0 200.2

176 89.3 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

600000

400000

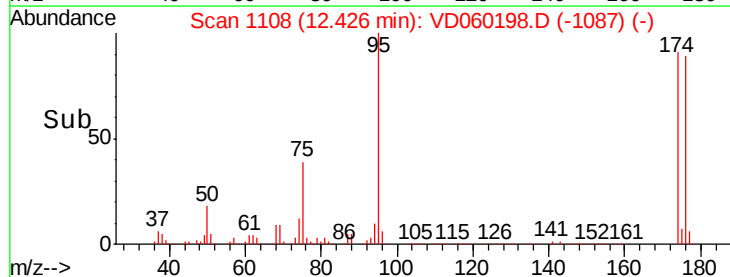
200000

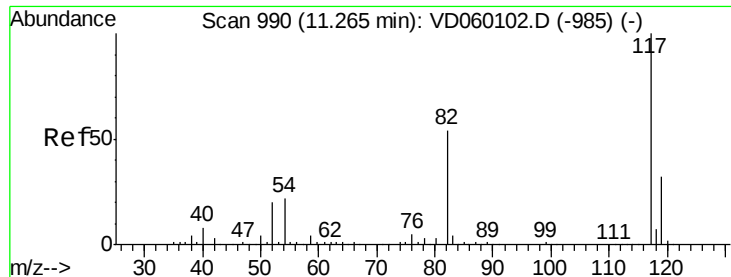
0

12.43

12.50

Time-->





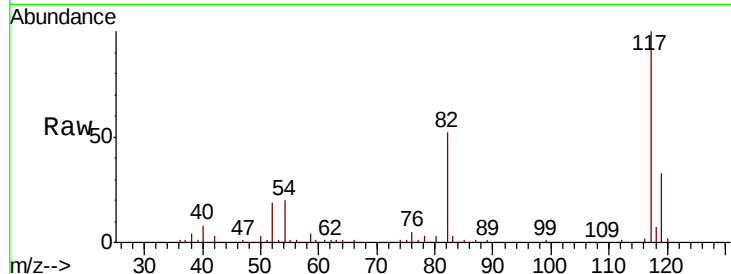
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 992  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

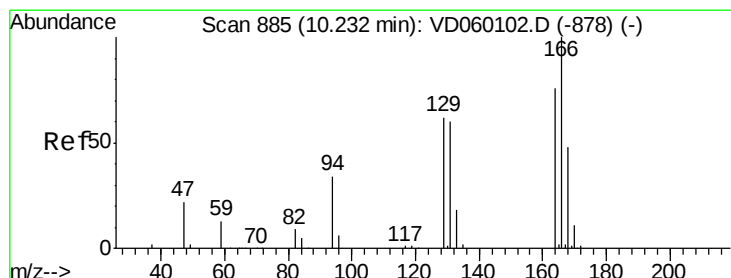
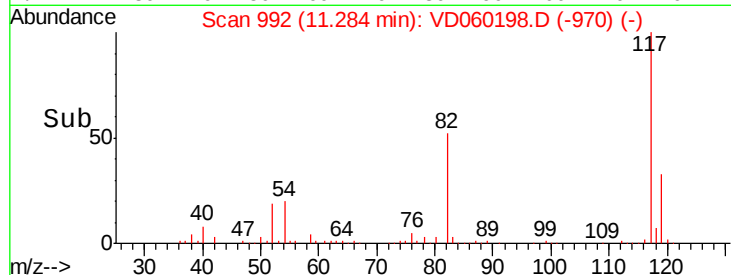
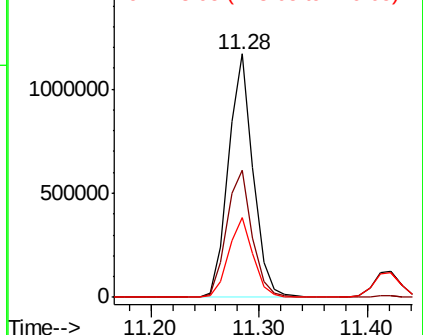
Tot Ion:117 Resp: 1848133  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.4 65.2  
119 32.8 26.0 39.0

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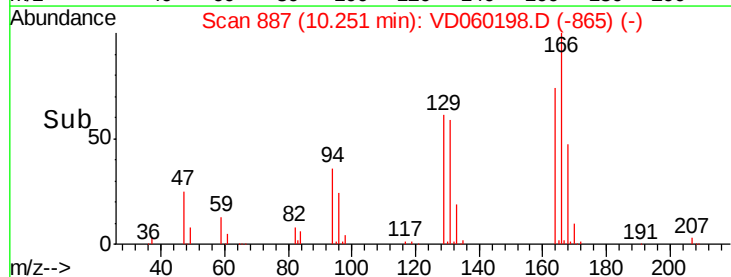
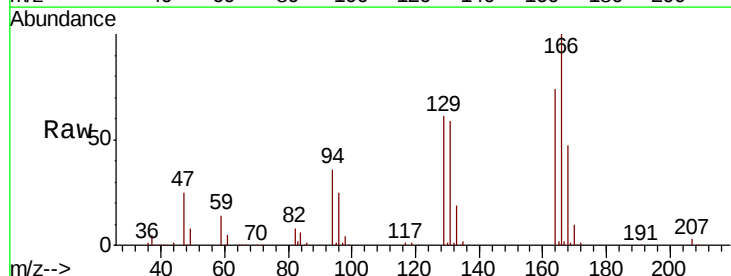
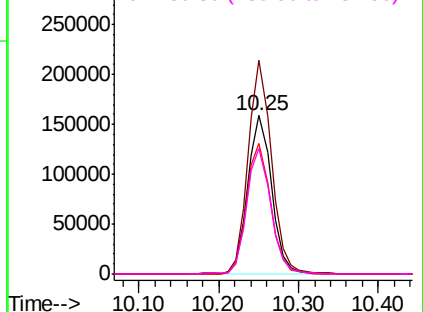
Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

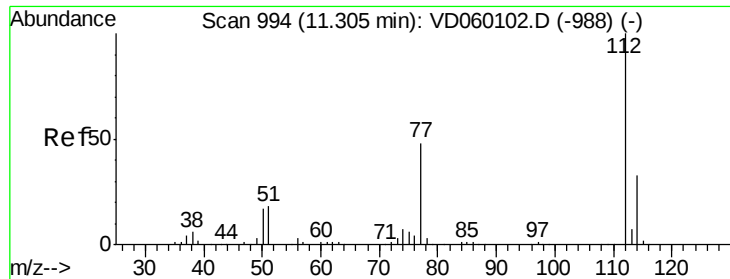


#64  
Tetrachloroethene  
Concen: 20.207 ug/l  
RT: 10.25 min Scan# 887  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion:164 Resp: 327088  
Ion Ratio Lower Upper  
164 100  
166 134.7 105.4 158.0  
129 82.6 65.7 98.5  
131 79.5 62.9 94.3

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





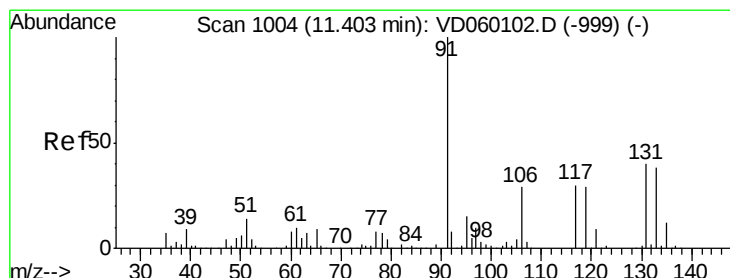
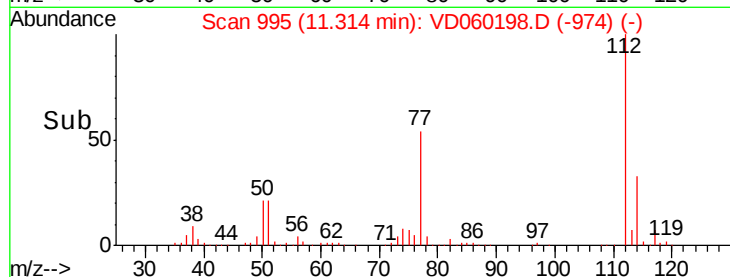
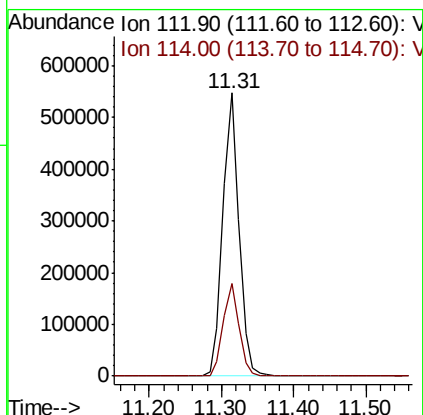
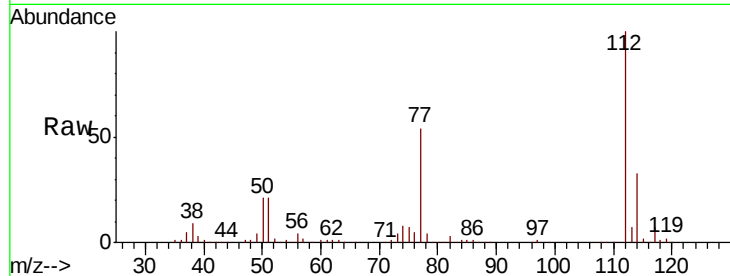
#65  
Chlorobenzene  
Concen: 21.286 ug/l  
RT: 11.31 min Scan# 995  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBSD01

Tot Ion:112 Resp: 851043  
Ion Ratio Lower Upper  
112 100  
114 32.9 26.0 39.0

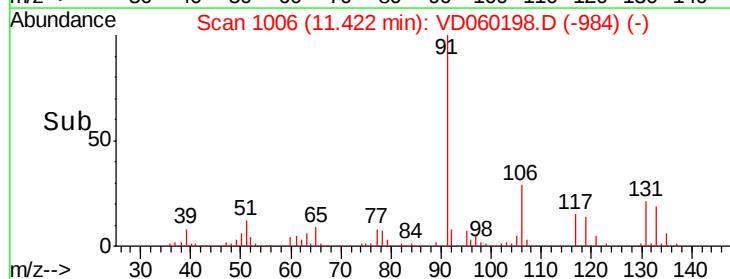
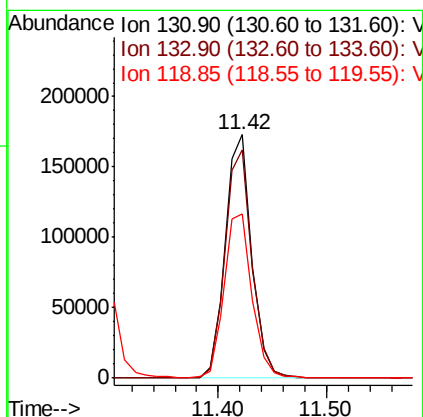
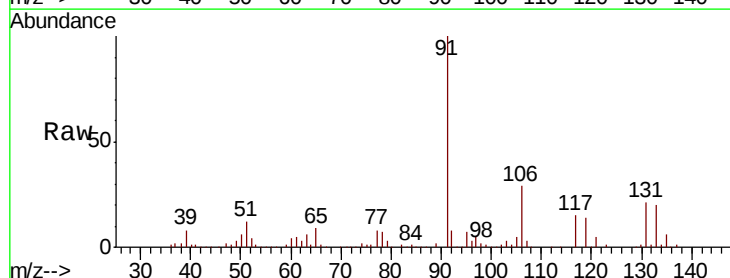
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.082 ug/l  
RT: 11.42 min Scan# 1006  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion:131 Resp: 294527  
Ion Ratio Lower Upper  
131 100  
133 93.8 47.4 142.3  
119 67.7 36.1 108.3





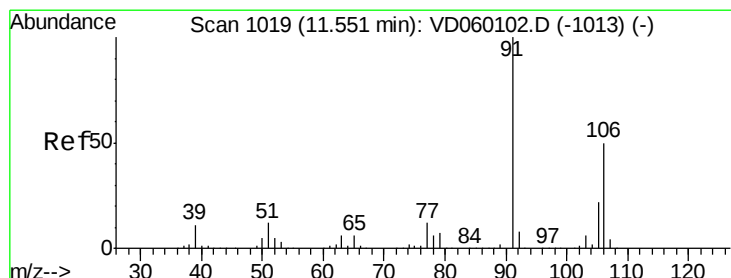
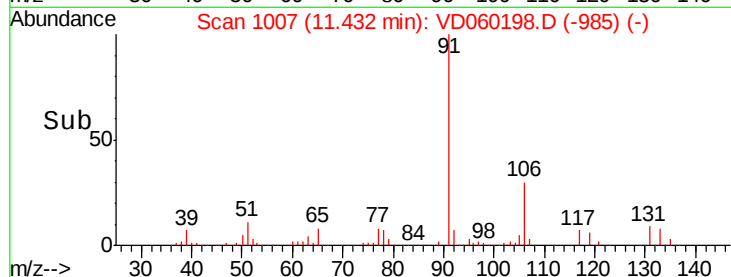
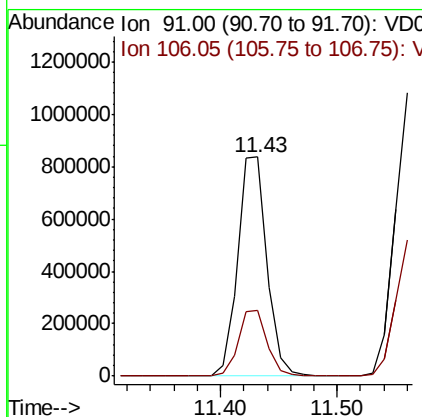
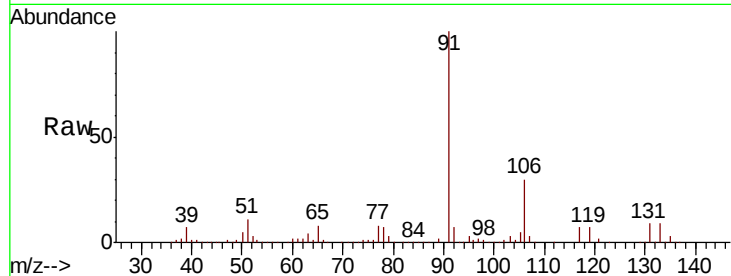
#67  
Ethyl Benzene  
Concen: 22.376 ug/l  
RT: 11.43 min Scan# 1007  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

Tot Ion: 91 Resp: 1449462  
Ion Ratio Lower Upper  
91 100  
106 30.0 24.4 36.6

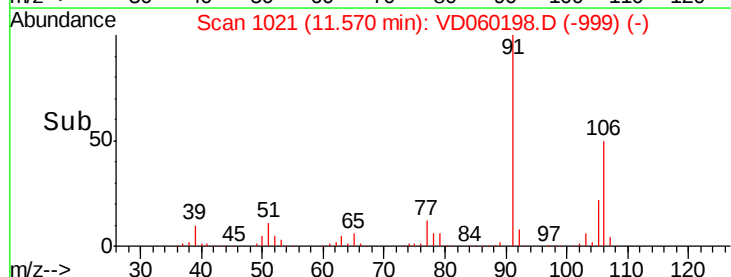
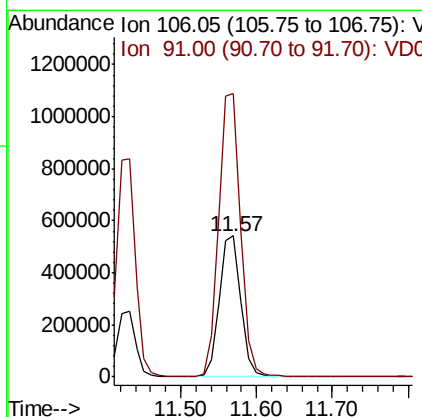
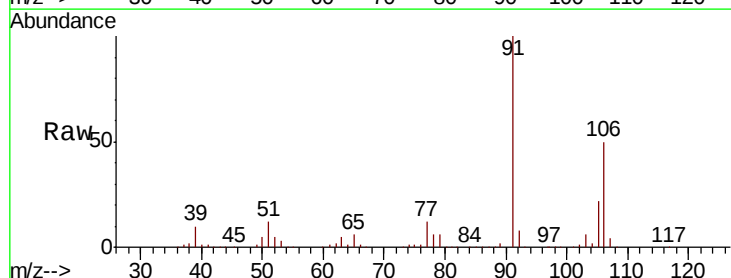
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#68  
m/p-Xylenes  
Concen: 44.289 ug/l  
RT: 11.57 min Scan# 1021  
Delta R.T. 0.02 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion: 106 Resp: 1071957  
Ion Ratio Lower Upper  
106 100  
91 201.1 160.0 240.0





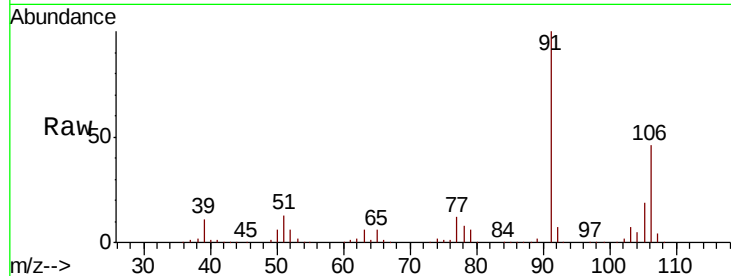
#69  
o-Xylene  
Concen: 21.129 ug/l  
RT: 11.93 min Scan# 1058  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

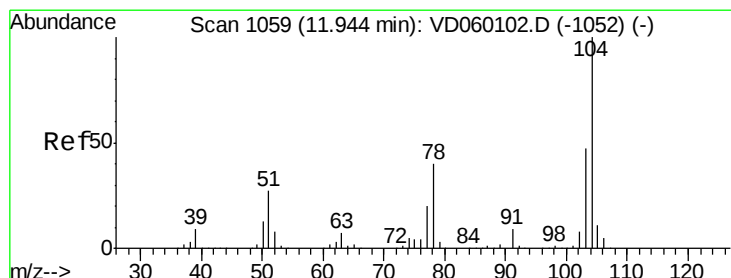
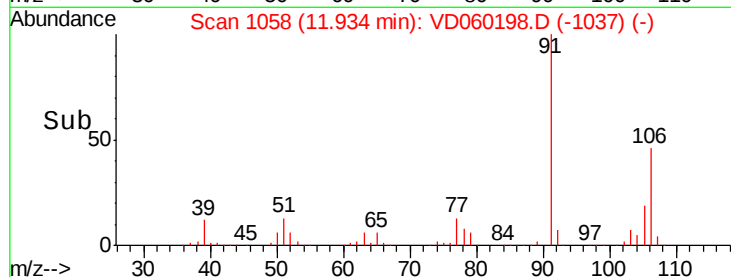
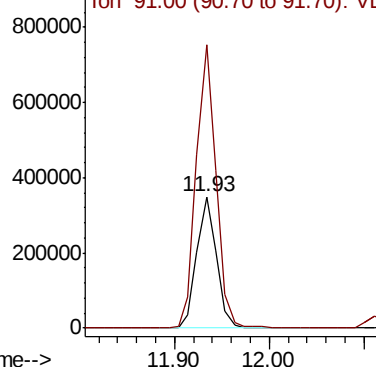
Tot Ion:106 Resp: 505834  
Ion Ratio Lower Upper  
106 100  
91 215.6 102.5 307.5

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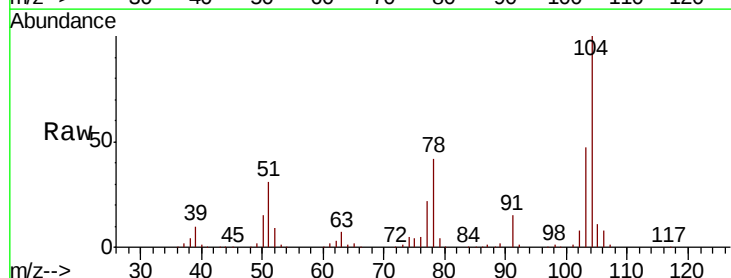


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

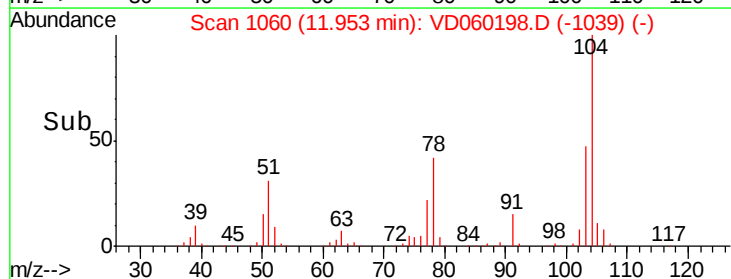
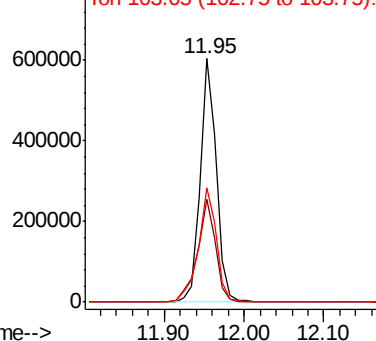


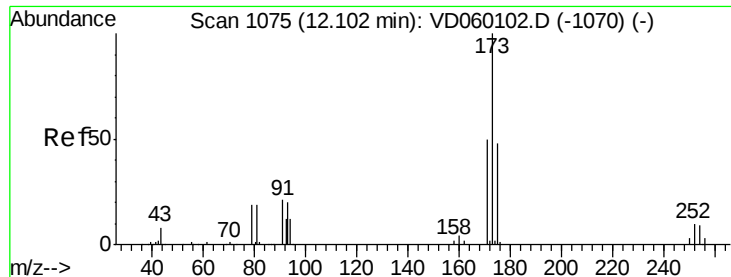
#70  
Styrene  
Concen: 21.626 ug/l  
RT: 11.95 min Scan# 1060  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion:104 Resp: 865824  
Ion Ratio Lower Upper  
104 100  
78 42.0 32.2 48.4  
103 46.8 37.4 56.0



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





#71

Bromoform

Concen: 20.371 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

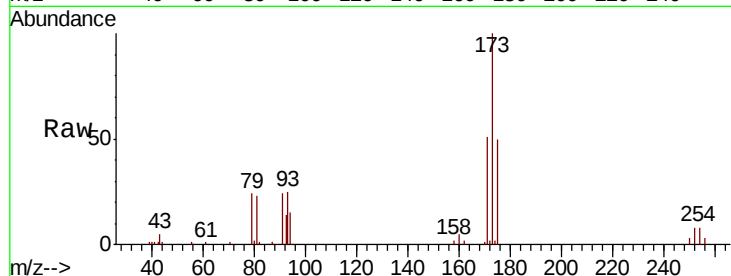
ClientSampleID :

VD1025SBS01

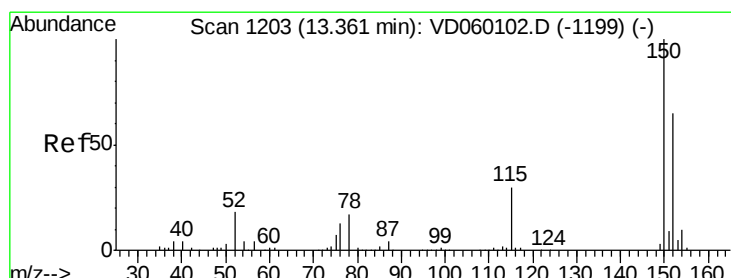
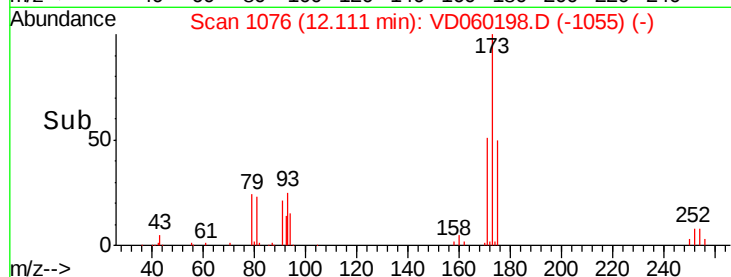
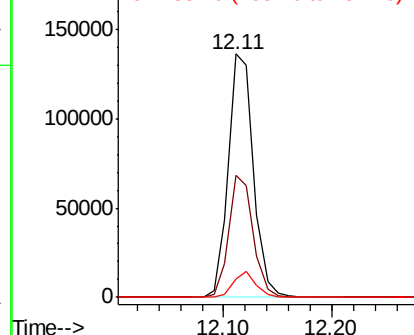
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.9  | 24.1  | 72.4  |
| 254     | 7.8   | 7.4   | 11.0  |

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

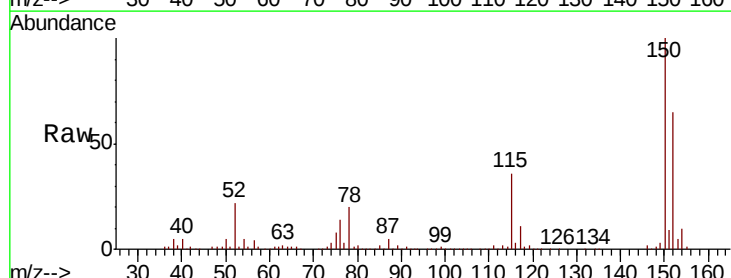
RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

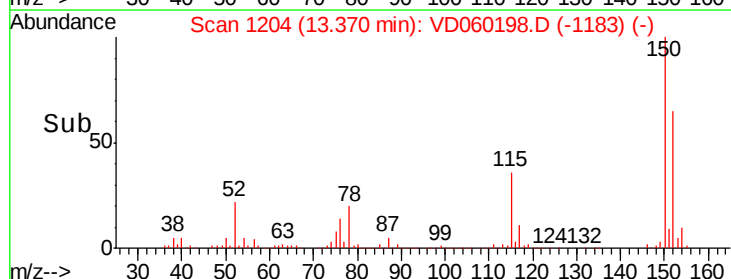
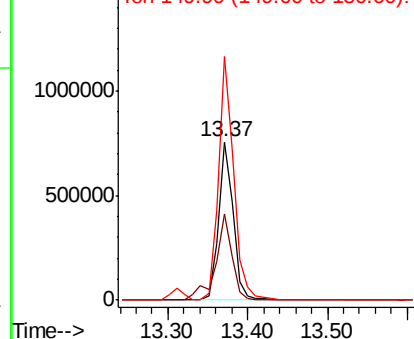
Lab File: VD060198.D

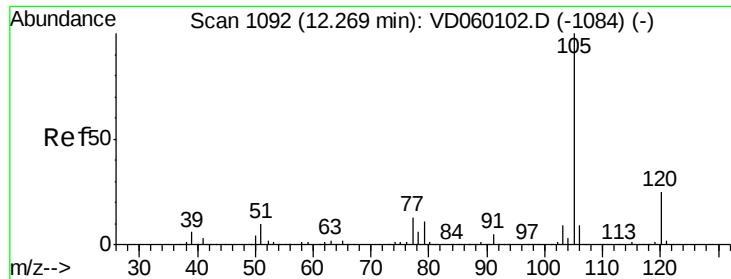
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 27.1  | 81.2  |
| 150     | 154.1 | 0.0   | 311.8 |



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





#73

Isopropylbenzene

Concen: 21.598 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion:105 Resp: 1391135

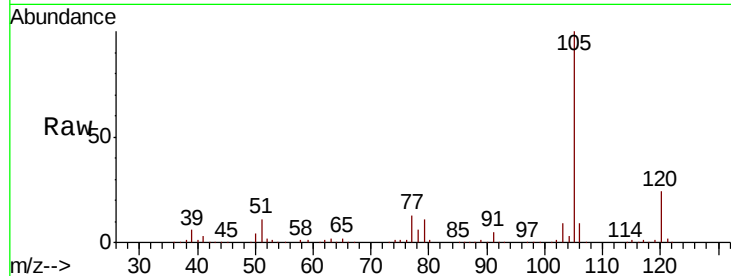
Ion Ratio Lower Upper

105 100

120 24.4 12.6 37.6

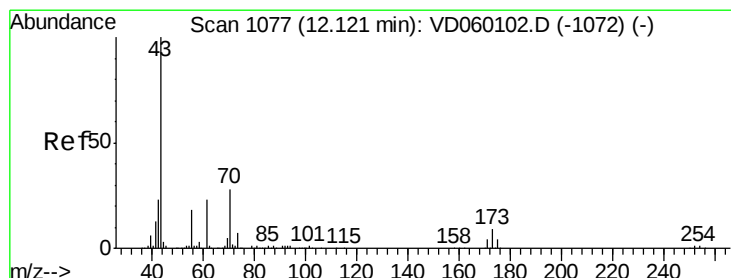
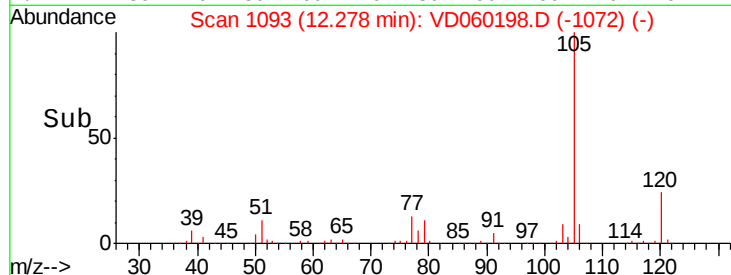
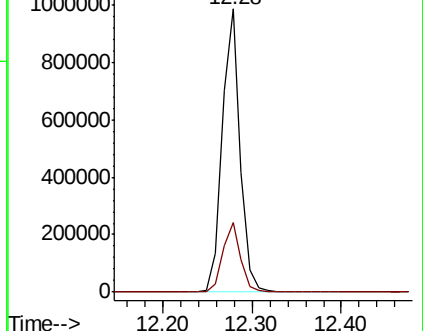
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.946 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Tgt Ion: 43 Resp: 517776

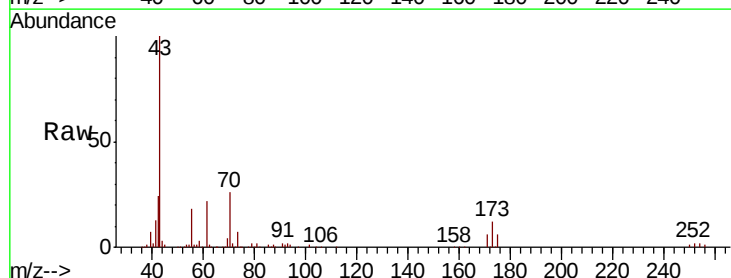
Ion Ratio Lower Upper

43 100

70 26.4 22.1 33.1

55 17.6 14.1 21.1

61 21.8 18.4 27.6

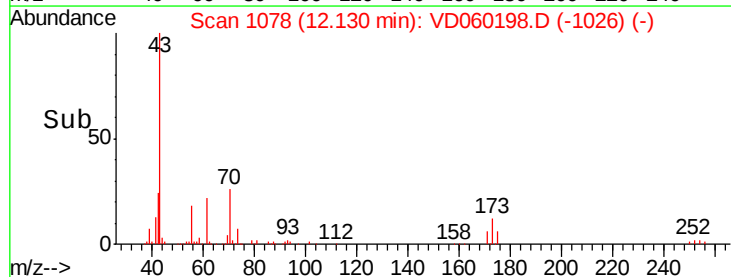
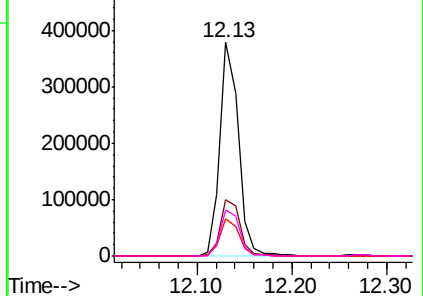


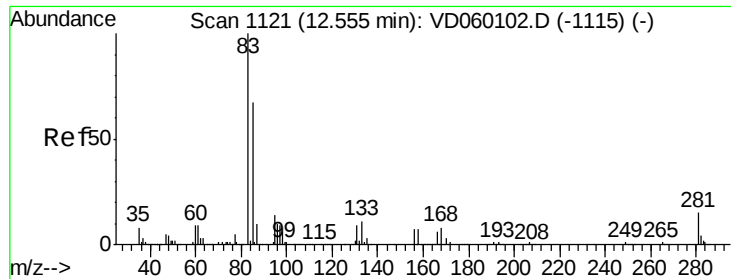
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.017 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

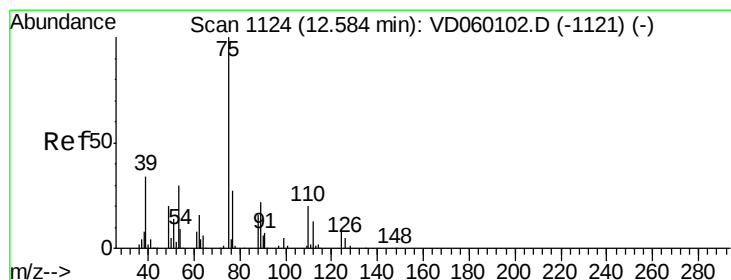
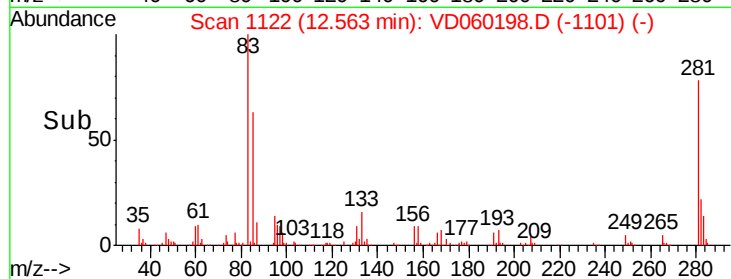
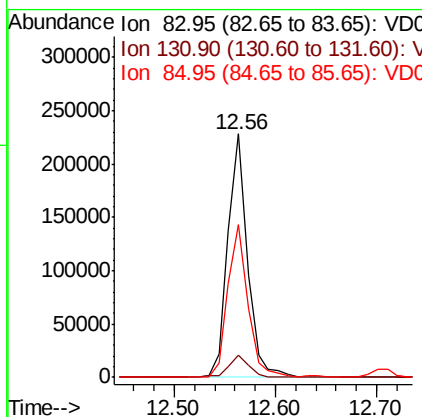
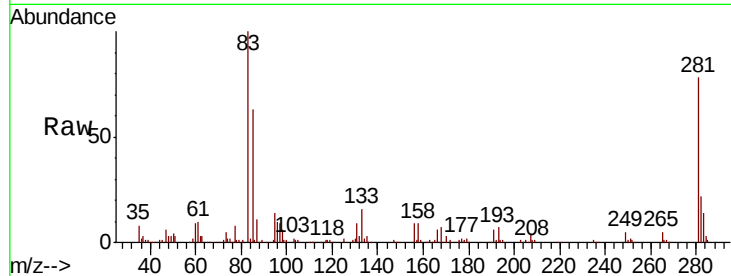
ClientSampleId :

VD1025SBSD01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 309596 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 8.9   | 4.5   | 13.4   |
| 85        | 62.8  | 33.3  | 99.9   |

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#76

1,2,3-Trichloropropane

Concen: 21.537 ug/l

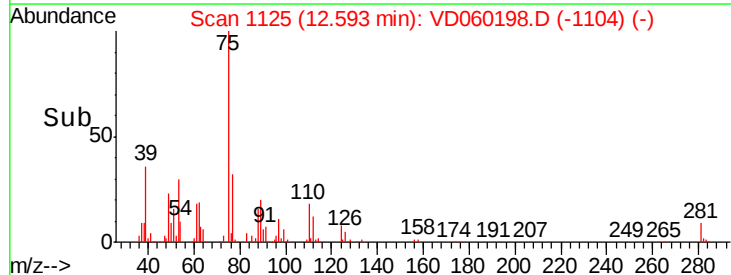
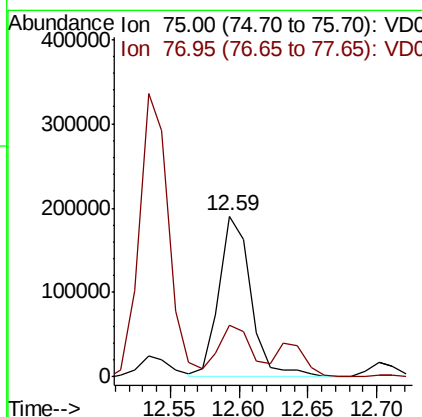
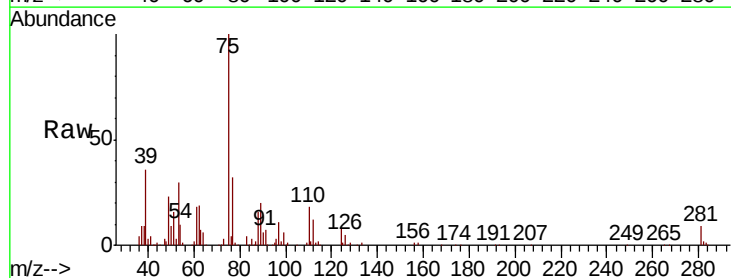
RT: 12.59 min Scan# 1125

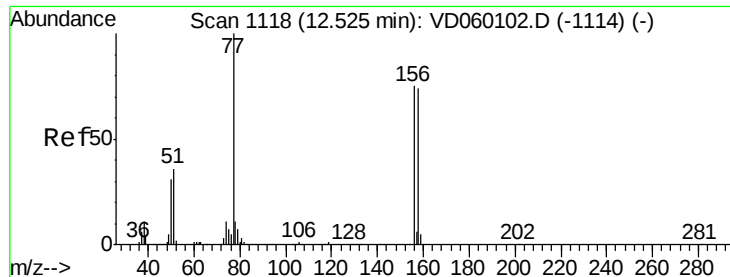
Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 302822 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 32.1  | 16.3  | 48.9   |





#77

Bromobenzene

Concen: 21.078 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

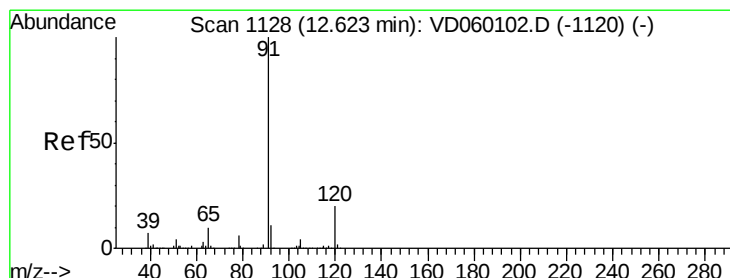
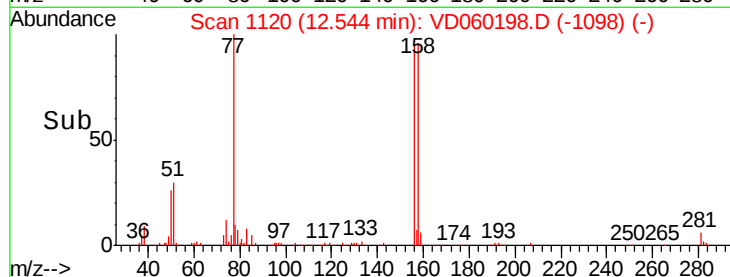
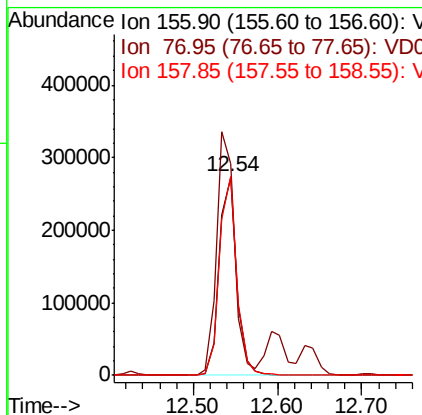
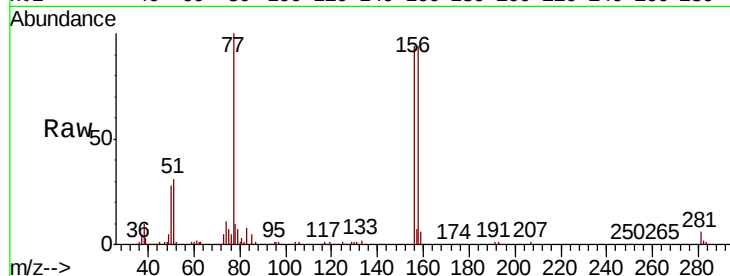
ClientSampleId :

VD1025SBSD01

| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 156     | 100   |       |       |       |       |
| 77      | 106.9 | 66.9  | 200.7 |       |       |
| 158     | 100.5 | 49.1  | 147.4 |       |       |

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#78

n-propylbenzene

Concen: 21.736 ug/l

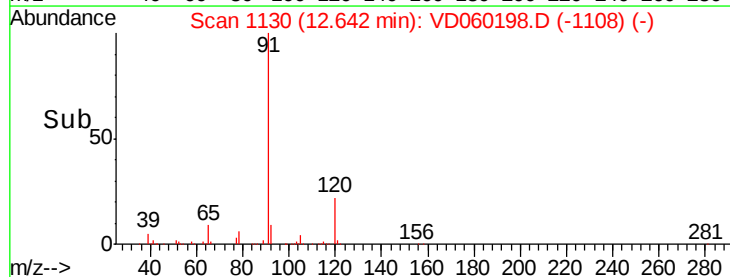
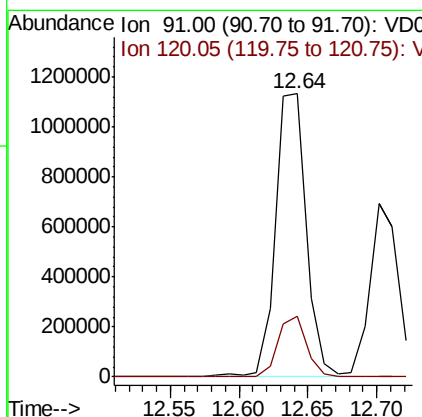
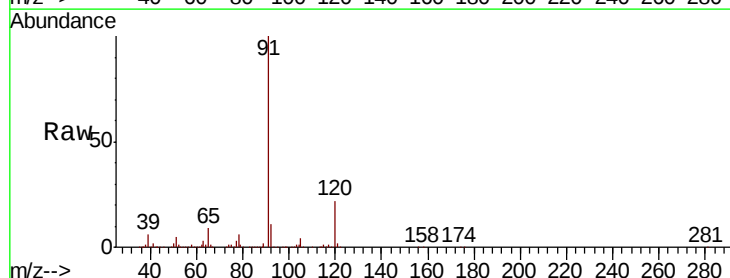
RT: 12.64 min Scan# 1130

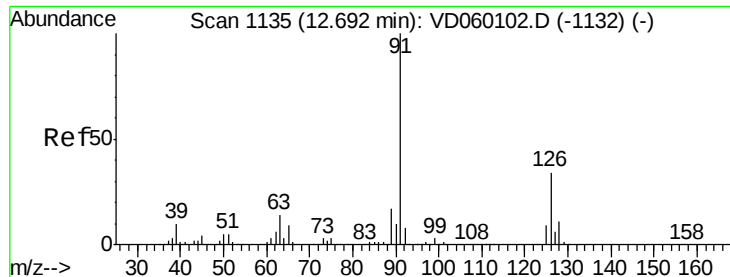
Delta R.T. 0.02 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 91      | 100  |       |      |       |       |
| 120     | 21.6 | 10.0  | 30.0 |       |       |





#79

2-Chlorotoluene

Concen: 22.163 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 983790

Ion Ratio Lower Upper

91 100

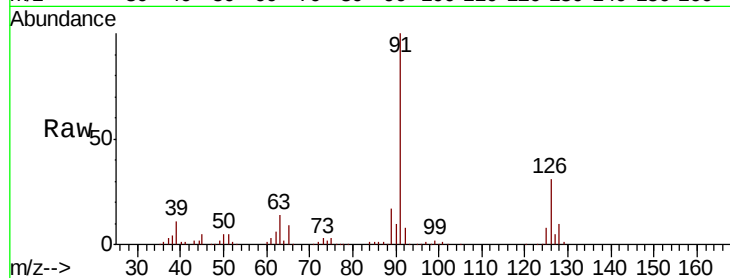
126 31.3 16.8 50.3

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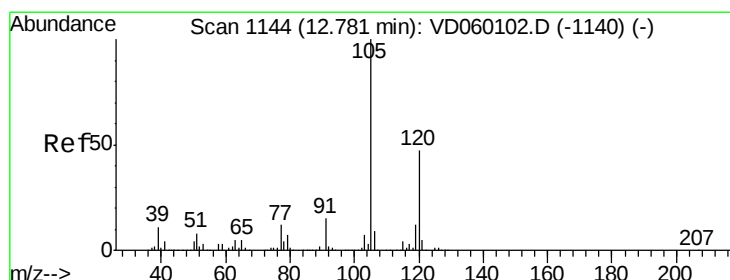
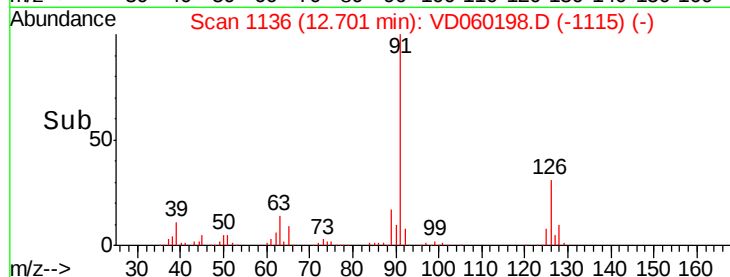
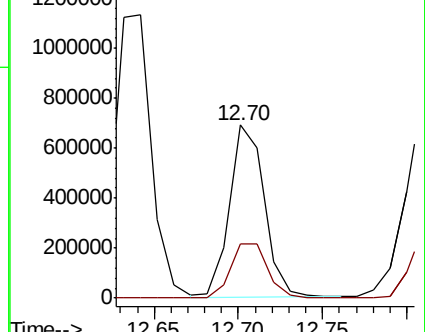
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.052 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060198.D

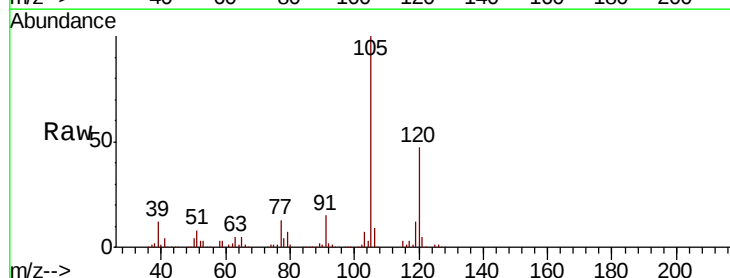
Acq: 25 Oct 2018 16:42

Tgt Ion:105 Resp: 1099303

Ion Ratio Lower Upper

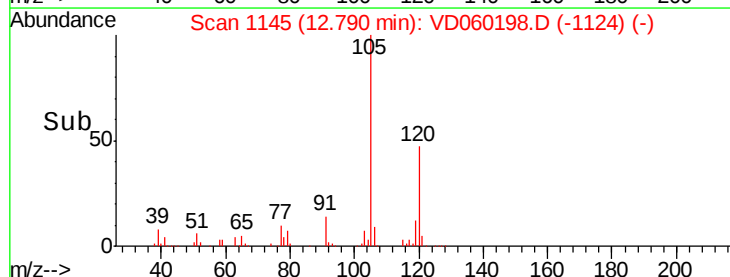
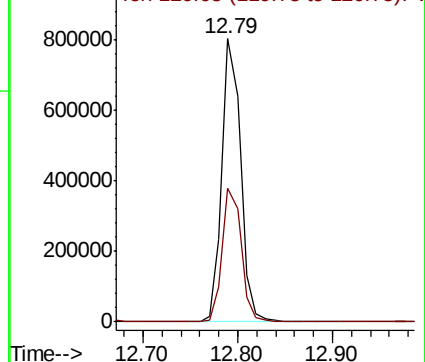
105 100

120 47.2 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.798 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleId :

VD1025SBS01

Tot Ion: 75 Resp: 82167

Ion Ratio Lower Upper

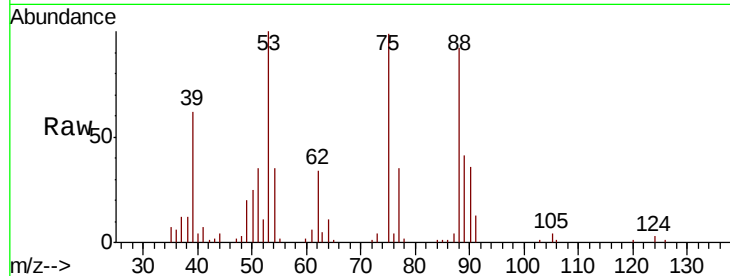
75 100

53 101.2 73.0 109.6

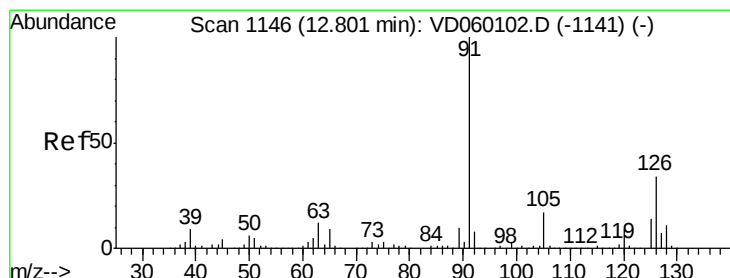
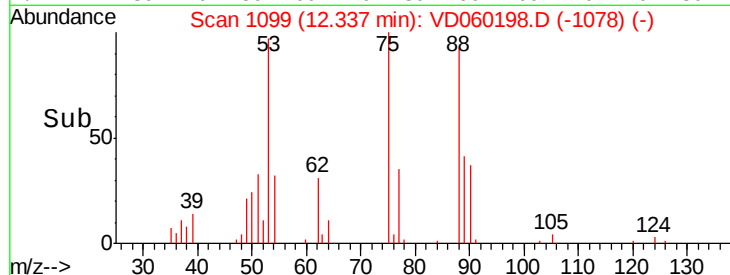
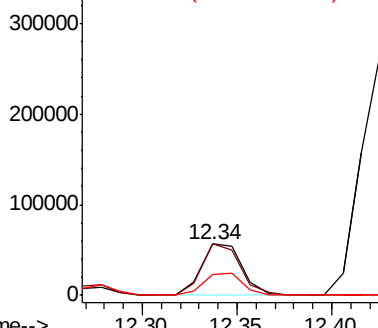
89 41.0 32.0 48.0

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Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.244 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060198.D

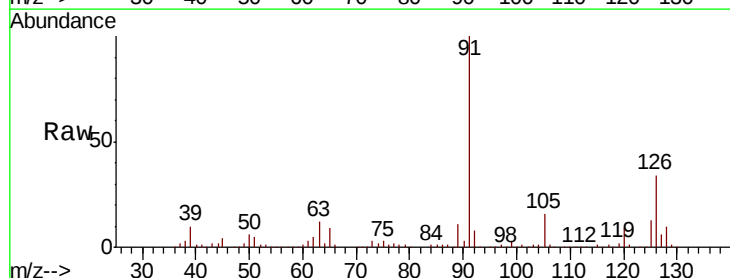
Acq: 25 Oct 2018 16:42

Tgt Ion: 91 Resp: 1116764

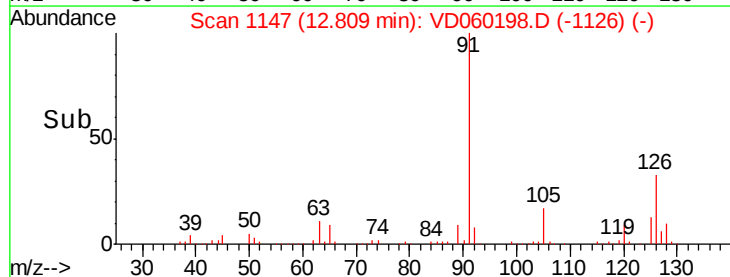
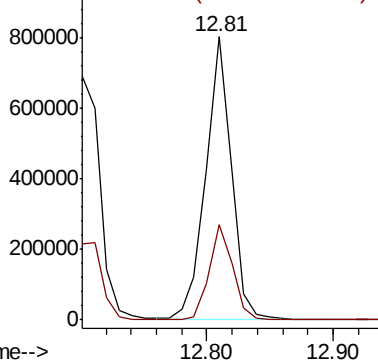
Ion Ratio Lower Upper

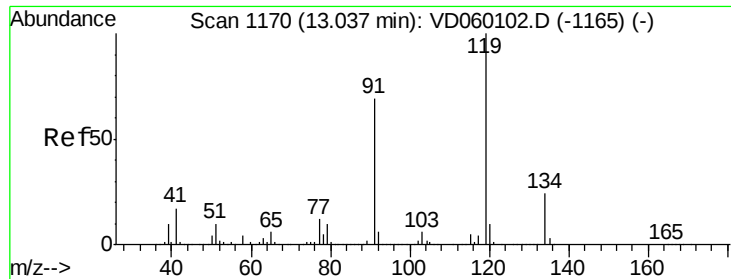
91 100

126 33.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.95 (125.65 to 126.65): V





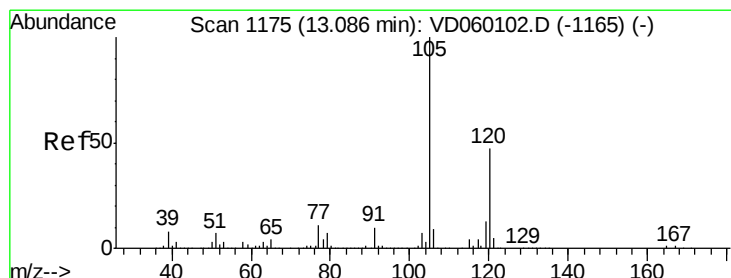
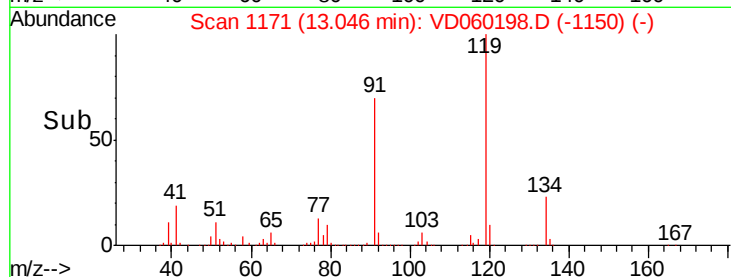
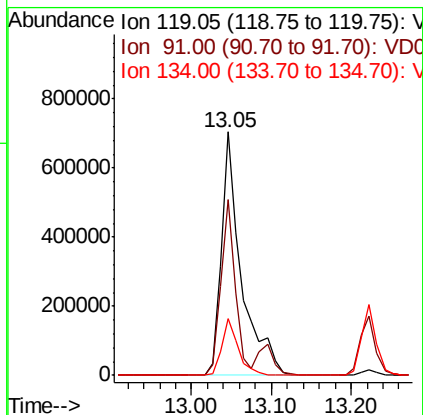
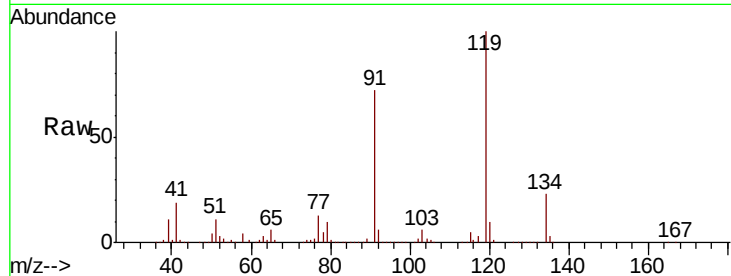
#83  
tert-Butylbenzene  
Concen: 21.827 ug/l  
RT: 13.05 min Scan# 1171  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 72.1  | 34.8  | 104.4 |
| 134     | 23.4  | 11.8  | 35.4  |

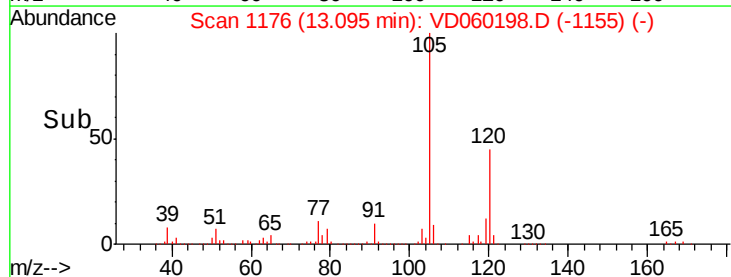
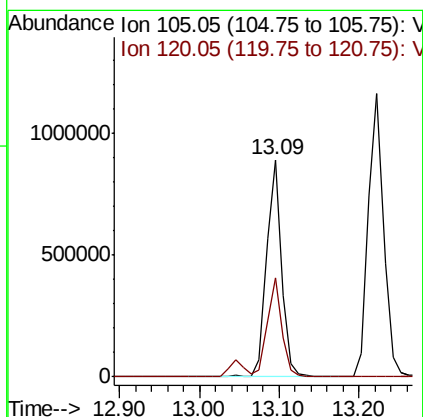
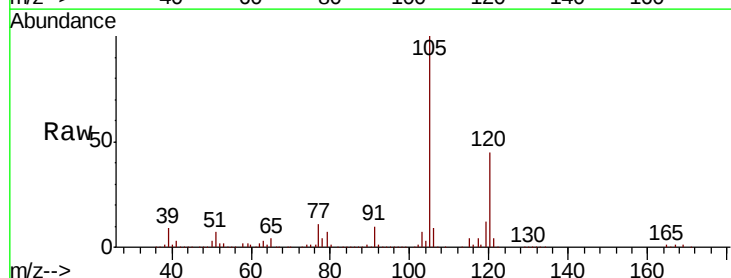
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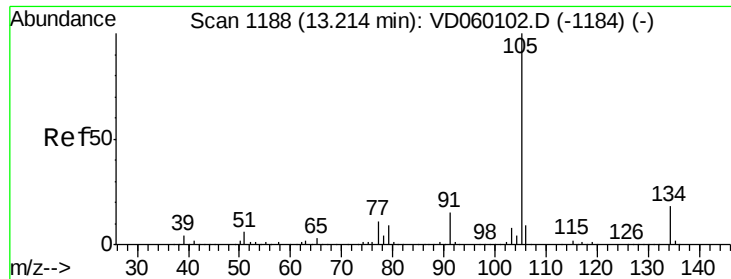
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#84  
1,2,4-Trimethylbenzene  
Concen: 22.011 ug/l  
RT: 13.09 min Scan# 1176  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.3  | 23.4  | 70.0  |





#85

sec-Butylbenzene

Concen: 22.442 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

ClientSampleID :

VD1025SBS01

Tot Ion:105 Resp: 1517955

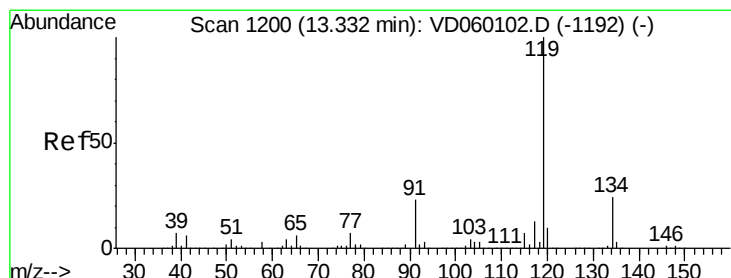
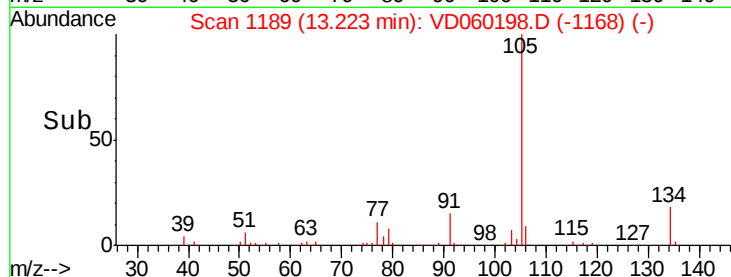
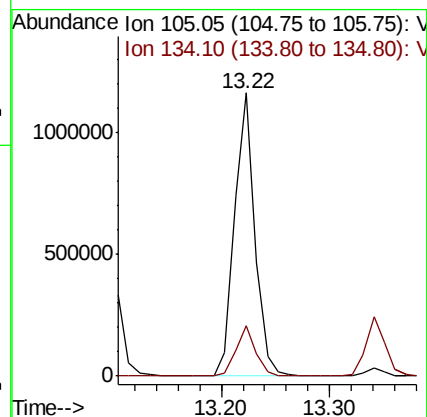
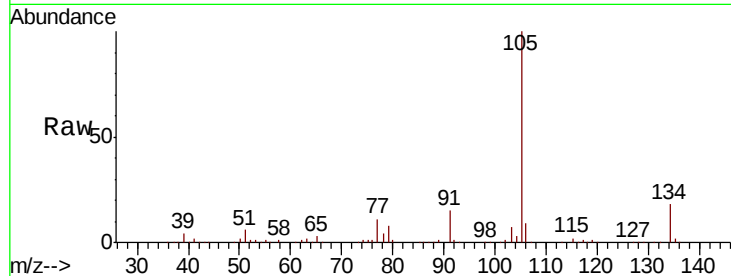
Ion Ratio Lower Upper

105 100

134 17.6 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 22.272 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

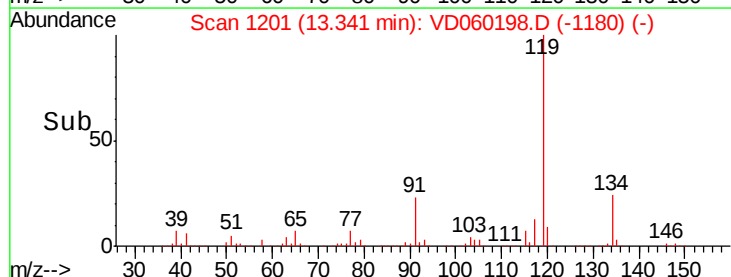
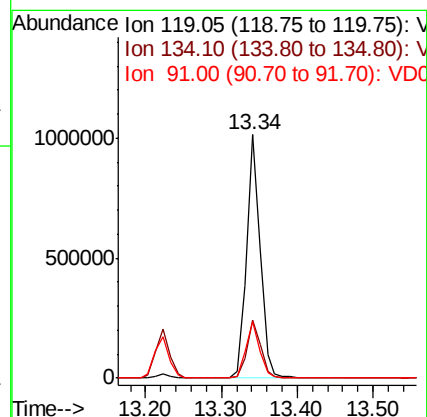
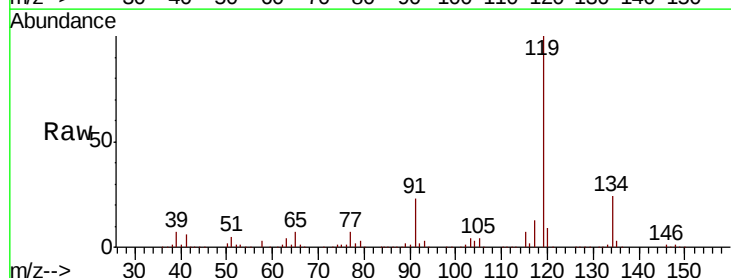
Tgt Ion:119 Resp: 1235574

Ion Ratio Lower Upper

119 100

134 23.8 12.3 36.8

91 23.4 11.8 35.4





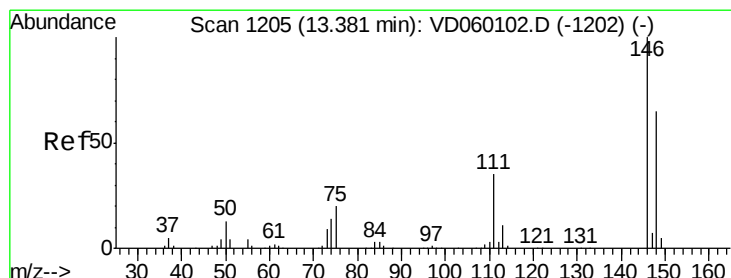
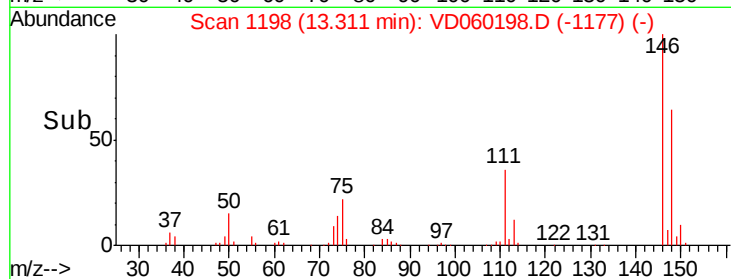
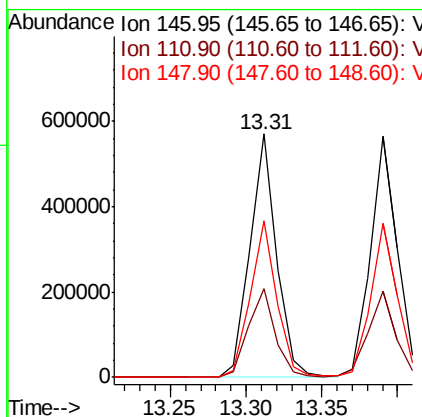
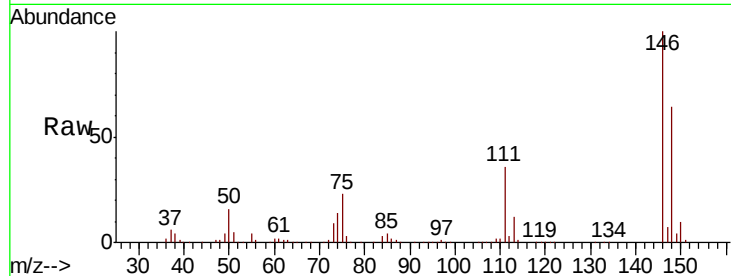
#87  
 1,3-Dichlorobenzene  
 Concen: 21.425 ug/l  
 RT: 13.31 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.1  | 54.3  |
| 148     | 64.3  | 32.3  | 96.9  |

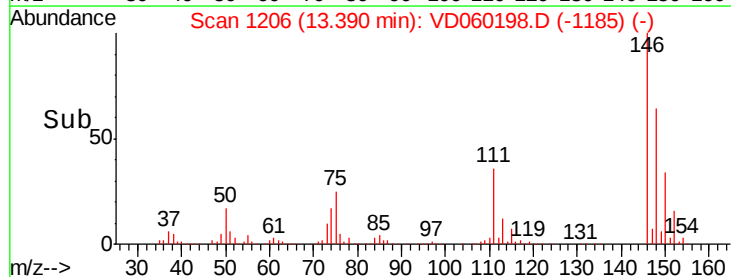
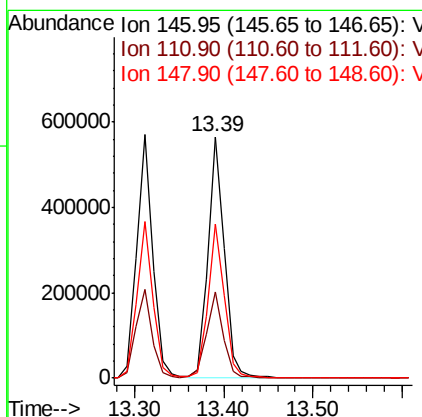
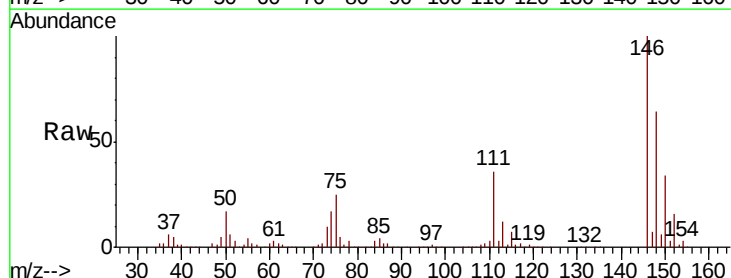
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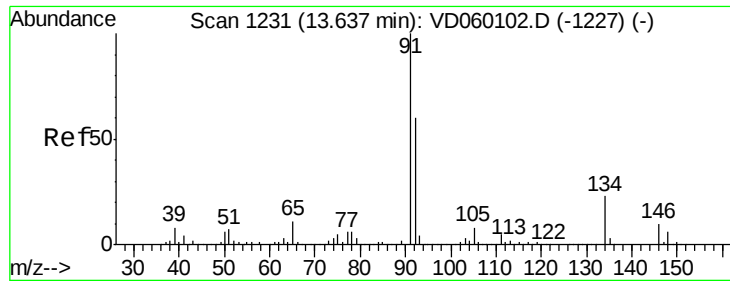
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#88  
 1,4-Dichlorobenzene  
 Concen: 21.694 ug/l  
 RT: 13.39 min Scan# 1206  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.8  | 17.8  | 53.3  |
| 148     | 64.0  | 32.4  | 97.2  |





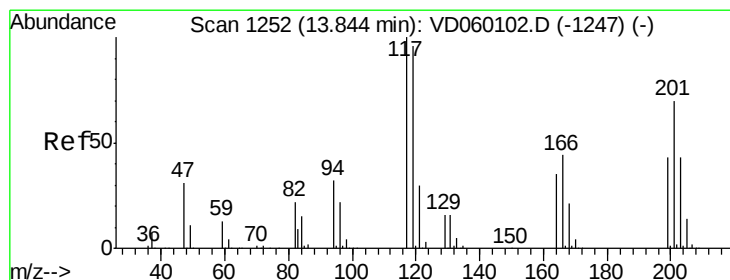
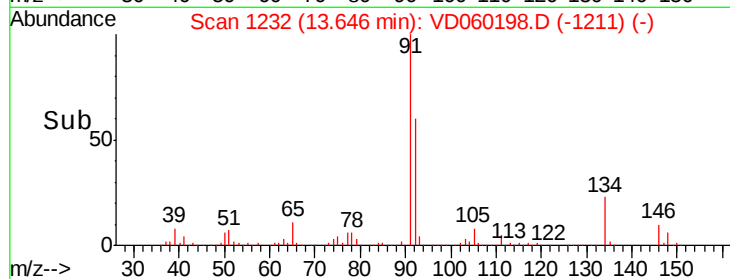
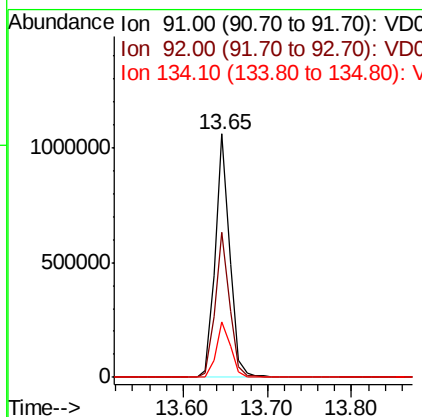
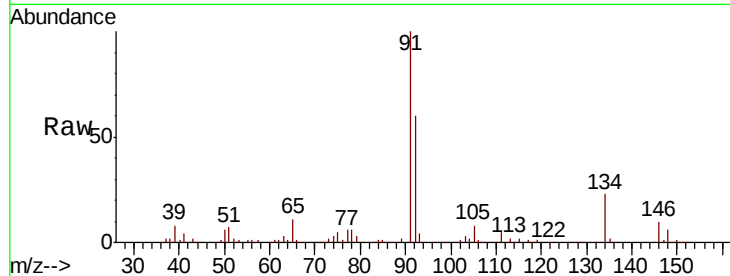
#89  
n-Butylbenzene  
Concen: 23.296 ug/l  
RT: 13.65 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1025SBS01

Tot Ion: 91 Resp: 1261078  
Ion Ratio Lower Upper  
91 100  
92 59.6 30.1 90.3  
134 22.9 11.6 34.7

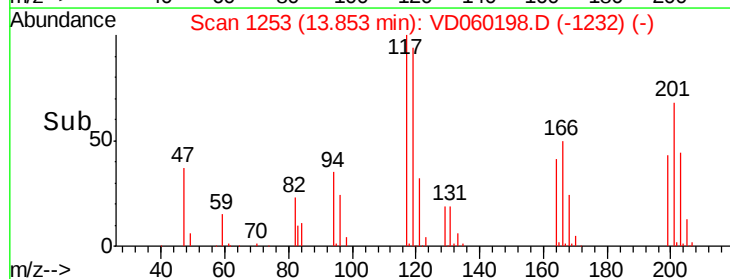
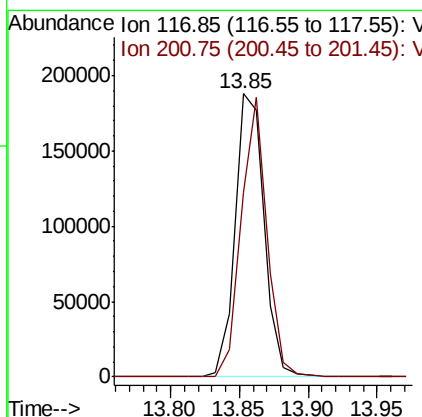
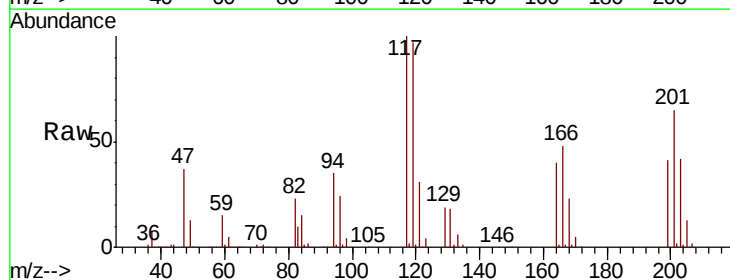
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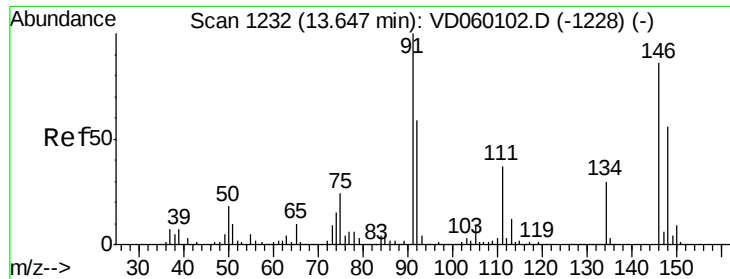
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#90  
Hexachloroethane  
Concen: 21.491 ug/l  
RT: 13.85 min Scan# 1253  
Delta R.T. 0.01 min  
Lab File: VD060198.D  
Acq: 25 Oct 2018 16:42

Tgt Ion: 117 Resp: 275936  
Ion Ratio Lower Upper  
117 100  
201 65.2 34.8 104.5





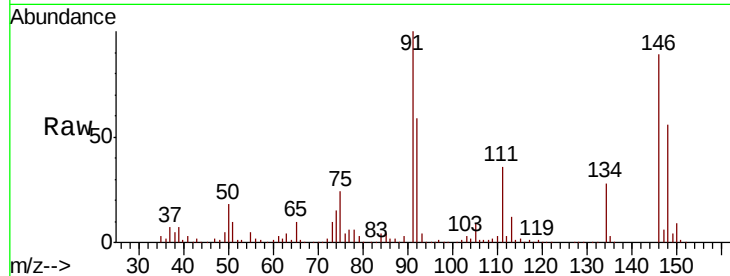
#91  
 1,2-Dichlorobenzene  
 Concen: 22.700 ug/l  
 RT: 13.66 min Scan# 1233  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.8  | 21.4  | 64.3  |
| 148     | 63.3  | 32.2  | 96.6  |

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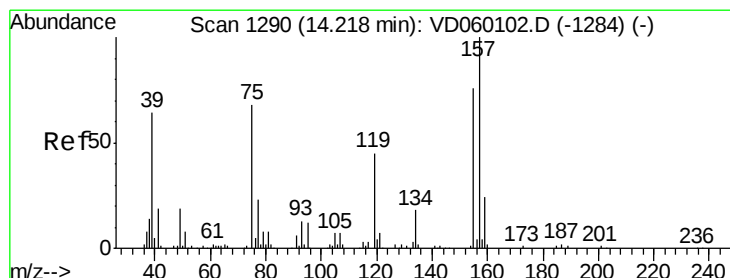
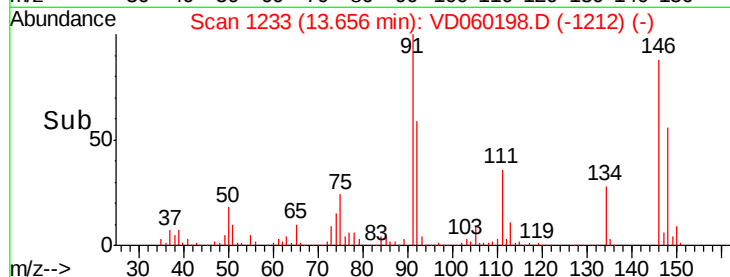
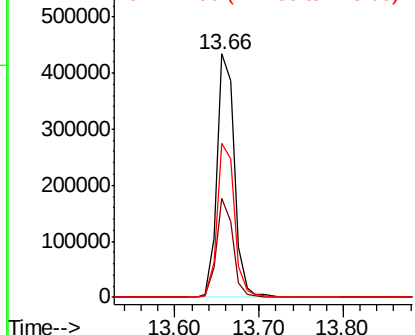


Abundance

Ion 145.95 (145.65 to 146.65): V

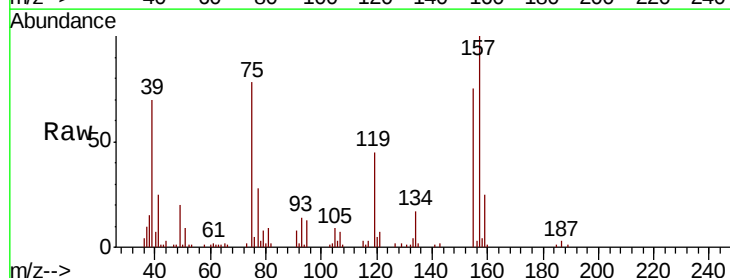
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.747 ug/l  
 RT: 14.23 min Scan# 1291  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.3  | 55.9  | 167.7 |
| 157     | 128.5 | 73.3  | 219.8 |

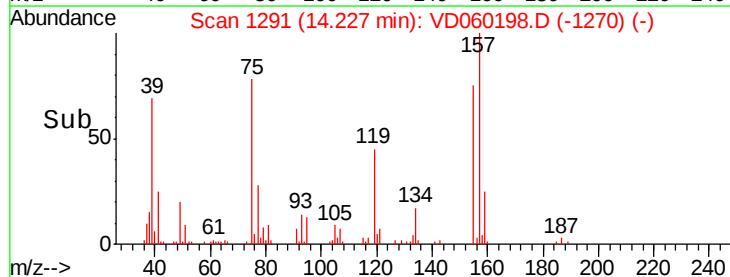
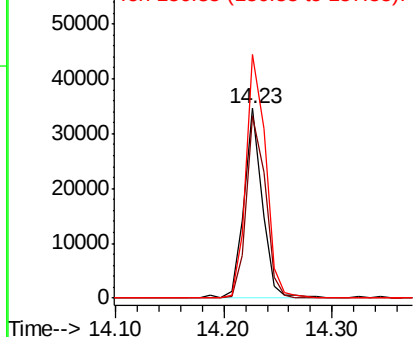


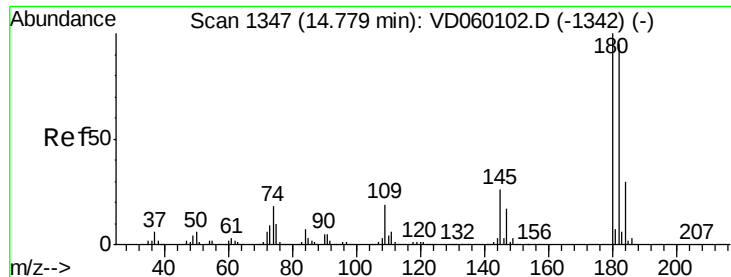
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





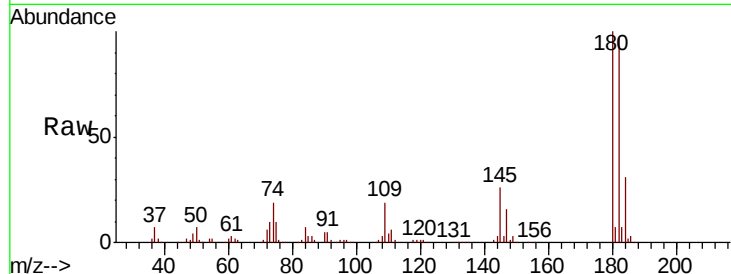
#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.918 ug/l  
 RT: 14.79 min Scan# 1348  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1025SBS01

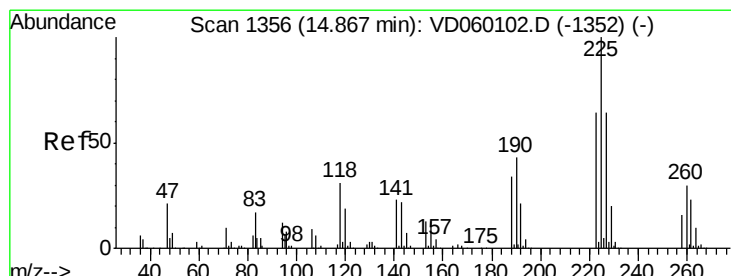
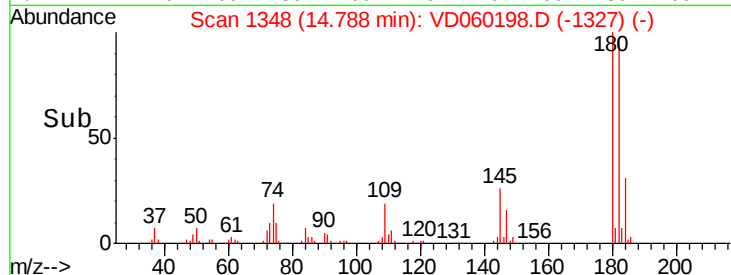
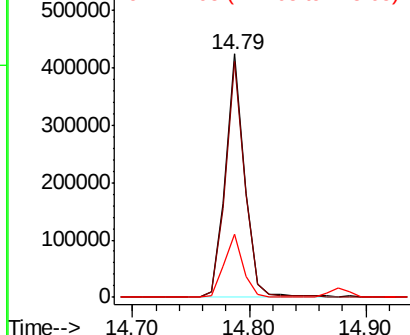
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.7  | 47.3 | 141.8 |       |
| 145     | 25.8  | 13.0 | 38.9  |       |

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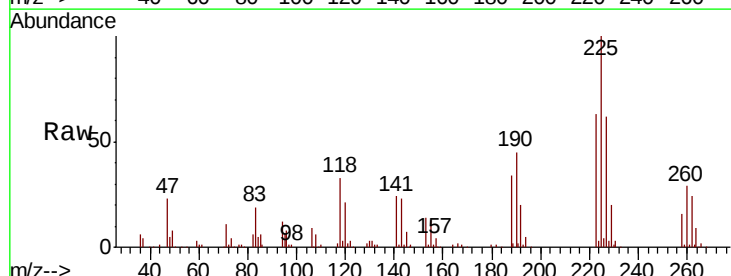


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

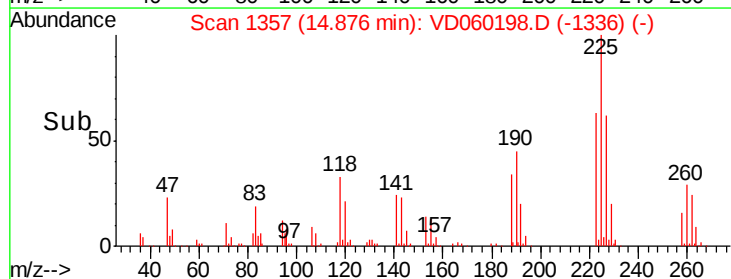
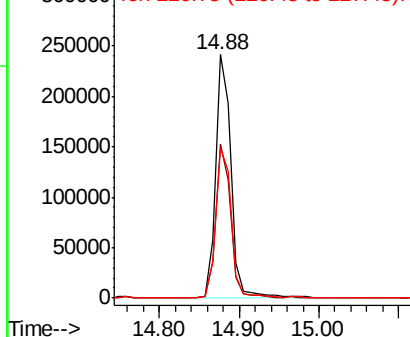


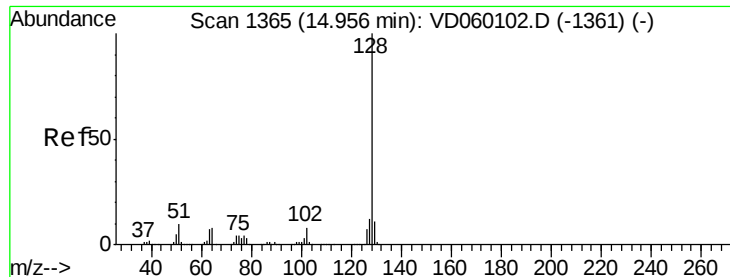
#94  
 Hexachlorobutadiene  
 Concen: 21.312 ug/l  
 RT: 14.88 min Scan# 1357  
 Delta R.T. 0.01 min  
 Lab File: VD060198.D  
 Acq: 25 Oct 2018 16:42

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 63.5  | 31.8 | 95.4  |       |
| 227     | 61.6  | 32.0 | 96.0  |       |



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





#95

Naphthalene

Concen: 20.860 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

Instrument :

MSVOA\_D

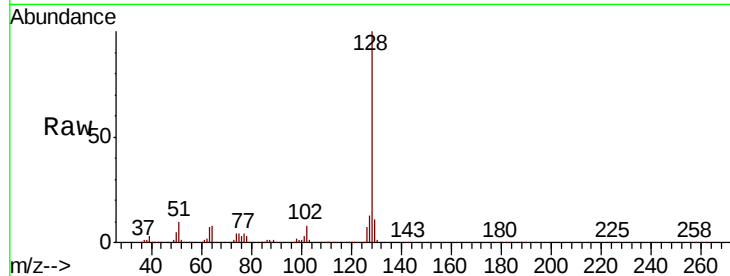
ClientSampleId :

VD1025SBS01

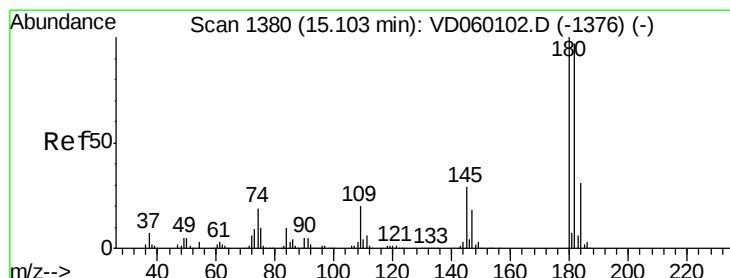
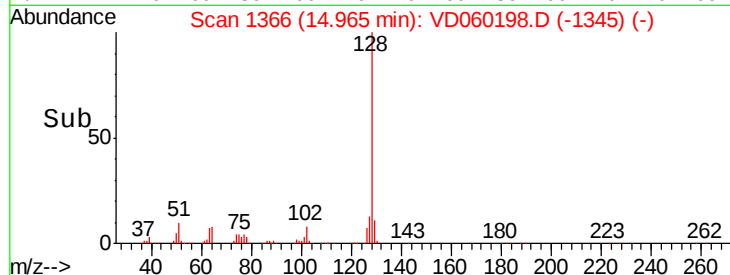
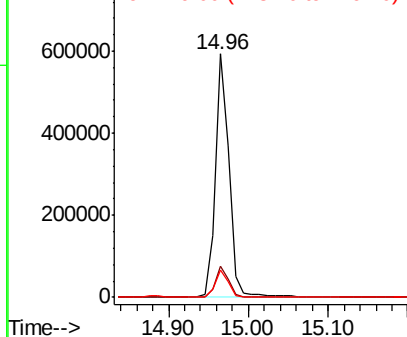
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 719620 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 9.9   | 14.9   |
| 129       | 11.0  | 8.8   | 13.2   |

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Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.279 ug/l

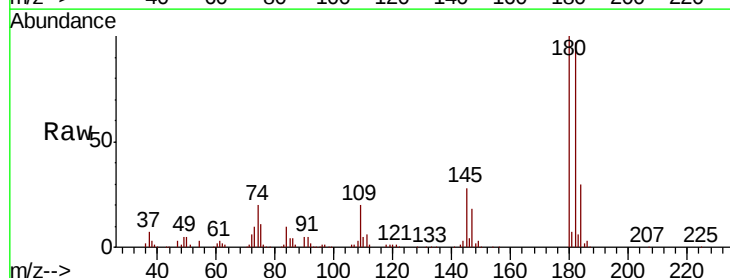
RT: 15.11 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060198.D

Acq: 25 Oct 2018 16:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 410554 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 97.5  | 48.4  | 145.0  |
| 145       | 27.6  | 14.5  | 43.6   |



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

