

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD101619\  
 Data File : VD063983.D  
 Acq On : 16 Oct 2019 13:14  
 Operator : VA/SY  
 Sample : VD1016SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 16 13:36:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 177706   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 277403   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 272254   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 141154   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.34  | 65   | 81188    | 46.93 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.86%  |          |
| 35) Dibromofluoromethane    | 7.92  | 113  | 84777    | 50.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.02% |          |
| 50) Toluene-d8              | 10.34 | 98   | 357982   | 52.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.06% |          |
| 62) 4-Bromofluorobenzene    | 12.64 | 95   | 116176   | 48.59 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.18%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85   | 25271    | 20.052 | ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50   | 71602    | 18.252 | ug/l   | 95     |
| 4) Vinyl Chloride             | 2.35 | 62   | 85166    | 20.909 | ug/l   | 97     |
| 5) Bromomethane               | 2.76 | 94   | 54388    | 20.770 | ug/l   | 92     |
| 6) Chloroethane               | 2.92 | 64   | 58310    | 21.647 | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 3.27 | 101  | 120225   | 22.325 | ug/l   | 93     |
| 8) Diethyl Ether              | 3.71 | 74   | 15871    | 18.361 | ug/l   | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101  | 31899    | 21.399 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142  | 38138    | 18.567 | ug/l   | 97     |
| 11) Tert butyl alcohol        | 5.23 | 59   | 4683     | 31.967 | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 4.06 | 96   | 31292    | 21.011 | ug/l   | 93     |
| 13) Acrolein                  | 3.92 | 56   | 10000    | 64.716 | ug/l   | 89     |
| 14) Allyl chloride            | 4.71 | 41   | 49756    | 20.095 | ug/l   | 97     |
| 15) Acrylonitrile             | 5.43 | 53   | 36548    | 95.903 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43   | 37838    | 84.002 | ug/l # | 88     |
| 17) Carbon Disulfide          | 4.40 | 76   | 96318    | 17.791 | ug/l # | 93     |
| 18) Methyl Acetate            | 4.73 | 43   | 19557    | 22.198 | ug/l   | 91     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73   | 70736    | 18.342 | ug/l # | 88     |
| 20) Methylene Chloride        | 4.96 | 84   | 43799    | 20.115 | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96   | 36432    | 19.650 | ug/l # | 85     |
| 22) Diisopropyl ether         | 6.37 | 45   | 99082    | 19.593 | ug/l   | 95     |
| 23) Vinyl Acetate             | 6.31 | 43   | 284381   | 94.531 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 6.27 | 63   | 61842    | 19.854 | ug/l # | 90     |
| 25) 2-Butanone                | 7.23 | 43   | 47833    | 89.605 | ug/l # | 89     |
| 26) 2,2-Dichloropropane       | 7.21 | 77   | 55297    | 19.625 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96   | 40987    | 19.531 | ug/l   | 98     |
| 28) Bromochloromethane        | 7.55 | 49   | 20240    | 18.318 | ug/l   | 94     |
| 29) Tetrahydrofuran           | 7.57 | 42   | 29256    | 93.895 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83   | 67902    | 20.071 | ug/l   | 93     |
| 31) Cyclohexane               | 7.98 | 56   | 62649    | 22.099 | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 7.91 | 97   | 62307    | 21.470 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 8.12 | 75   | 56407    | 22.239 | ug/l   | 97     |
| 37) Ethyl Acetate             | 7.30 | 43   | 21274    | 18.397 | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117  | 53381    | 20.827 | ug/l   | 91     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD101619\  
 Data File : VD063983.D  
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 Operator : VA/SY  
 Sample : VD1016SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Oct 16 13:36:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 05 03:51:17 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 67415    | 21.617  | ug/l   | 92       |
| 40) Benzene                    | 8.36  | 78   | 148537   | 20.436  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 8068     | 13.720  | ug/l # | 74       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 42406    | 20.169  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 38415    | 18.060  | ug/l   | 97       |
| 44) Trichloroethene            | 9.12  | 130  | 42884    | 20.461  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 35422    | 19.910  | ug/l   | 92       |
| 46) Dibromomethane             | 9.48  | 93   | 20547    | 20.279  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.67  | 83   | 49881    | 19.122  | ug/l # | 96       |
| 48) Methyl methacrylate        | 9.47  | 41   | 17915    | 17.578  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 5527     | 399.635 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.24 | 43   | 105737   | 95.850  | ug/l   | 97       |
| 52) Toluene                    | 10.41 | 92   | 107056   | 21.456  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.63 | 75   | 47951    | 18.837  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.10 | 75   | 56519    | 19.289  | ug/l # | 93       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 29140    | 20.369  | ug/l   | 85       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 33317    | 18.390  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 50269    | 20.537  | ug/l   | 91       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 77215    | 99.157  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.99 | 43   | 73615    | 92.251  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 34664    | 18.612  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 27068    | 19.517  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.88 | 164  | 36607    | 19.696  | ug/l # | 79       |
| 65) Chlorobenzene              | 11.67 | 112  | 114820   | 21.000  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 40237    | 19.972  | ug/l   | 97       |
| 67) Ethyl Benzene              | 11.75 | 91   | 210660   | 21.367  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.86 | 106  | 163321   | 42.918  | ug/l   | 96       |
| 69) o-Xylene                   | 12.18 | 106  | 72495    | 19.895  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 125163   | 20.291  | ug/l   | 99       |
| 71) Bromoform                  | 12.36 | 173  | 21318    | 19.717  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.48 | 105  | 203591   | 21.455  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 36896    | 18.060  | ug/l # | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 32223    | 19.515  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 41740    | 44.150  | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 48050    | 20.325  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 247830   | 22.251  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 130840   | 21.304  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.96 | 105  | 173415   | 21.905  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-buten | 12.54 | 75   | 10088    | 18.883  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 139669   | 21.438  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 143210   | 20.326  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 170797   | 20.928  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.41 | 105  | 212126   | 22.294  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 198983   | 22.101  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 96509    | 20.660  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 98293    | 21.329  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.85 | 91   | 188181   | 22.454  | ug/l   | 96       |
| 90) Hexachloroethane           | 14.11 | 117  | 35524    | 21.938  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 13.89 | 146  | 83882    | 20.837  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 5451     | 19.761  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA D\Data\VD101619\  
Data File : VD063983.D  
Acq On : 16 Oct 2019 13:14  
Operator : VA/SY  
Sample : VD1016SBSD01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

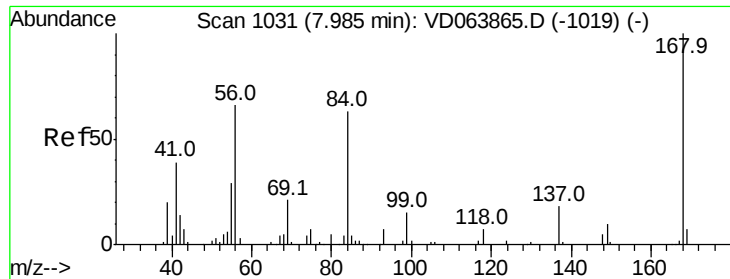
Quant Time: Oct 16 13:36:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100219S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 05 03:51:17 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 58974    | 18.986 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.27 | 225  | 36238    | 21.141 | ug/l  | 95       |
| 95) Naphthalene            | 15.41 | 128  | 98508    | 18.868 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.60 | 180  | 52209    | 19.481 | ug/l  | 99       |

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

82D100219S.M Wed Oct 16 13:34:51 2019





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

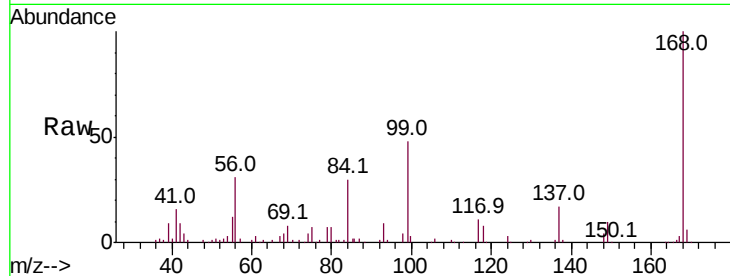
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:168 Resp: 177706

Ion Ratio Lower Upper

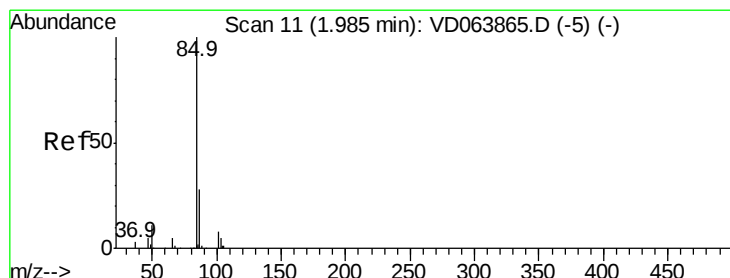
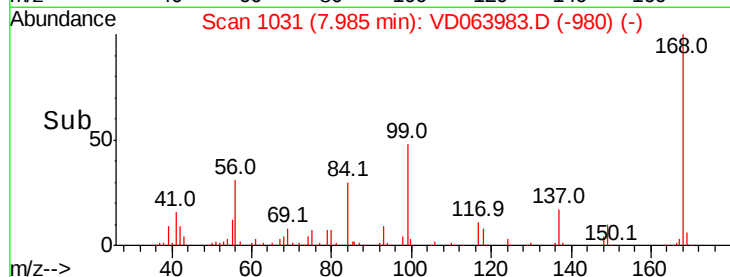
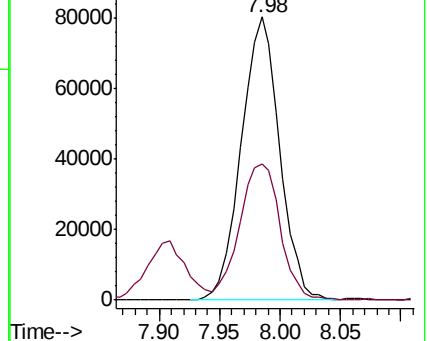
168 100

99 48.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.052 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063983.D

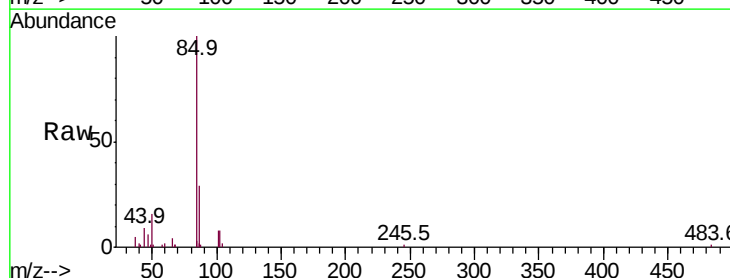
Acq: 16 Oct 2019 13:14

Tgt Ion: 85 Resp: 25271

Ion Ratio Lower Upper

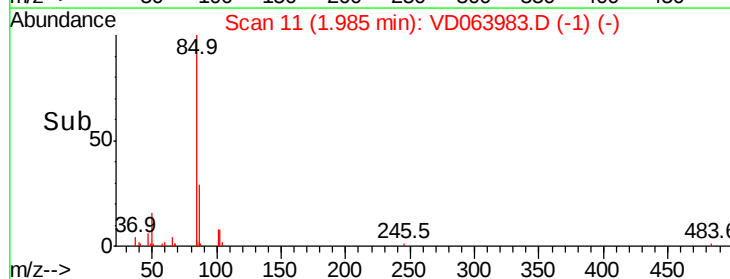
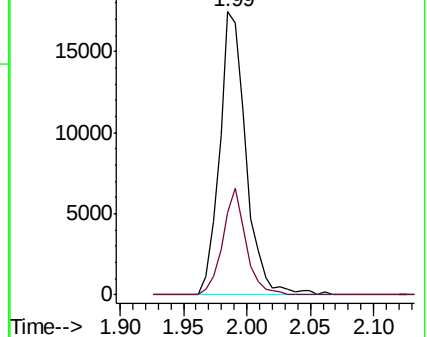
85 100

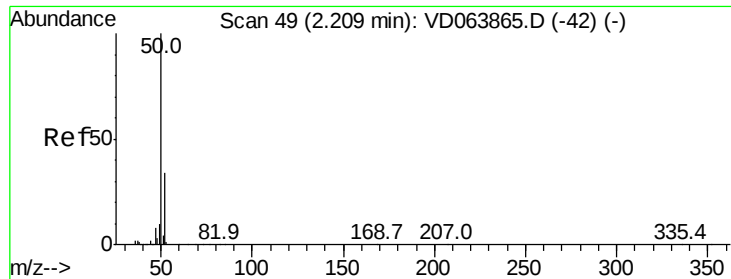
87 29.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.252 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

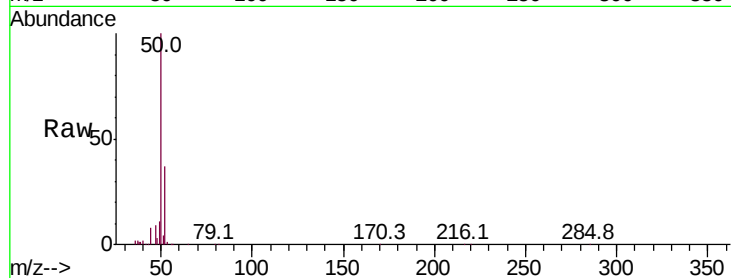
ClientSampleId :

Tot Ion: 50 Resp: 71602

Ion Ratio Lower Upper

50 100

52 37.1 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

50000

40000

30000

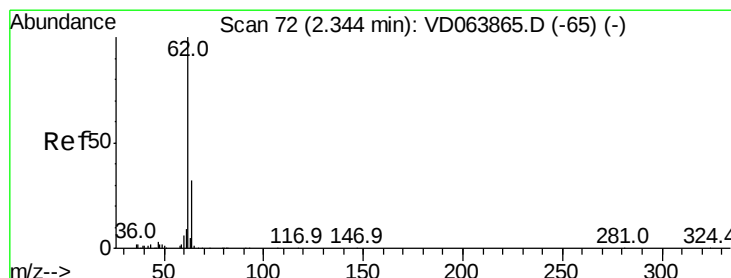
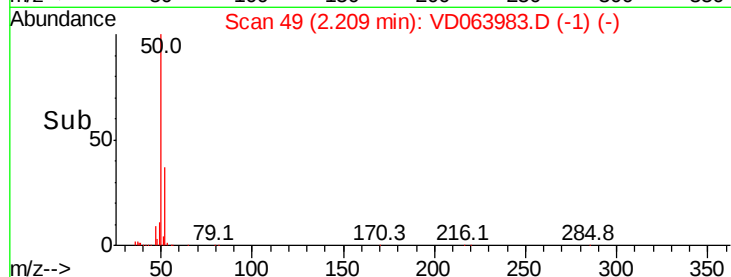
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.909 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063983.D

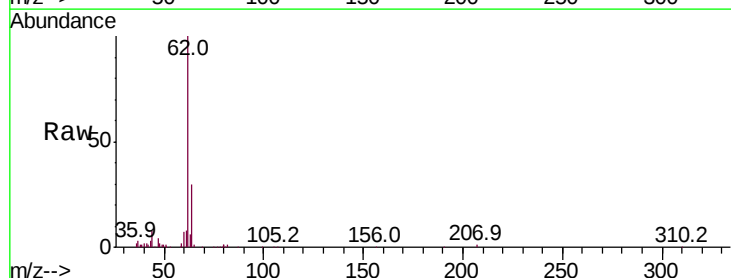
Acq: 16 Oct 2019 13:14

Tgt Ion: 62 Resp: 85166

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

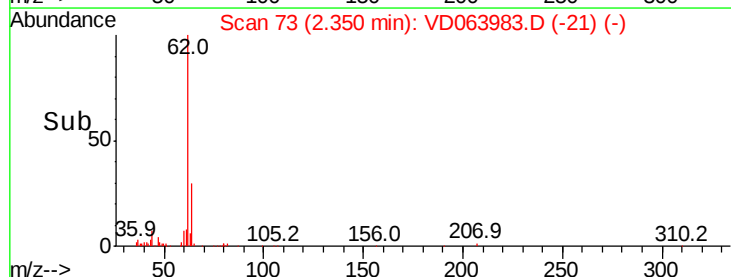
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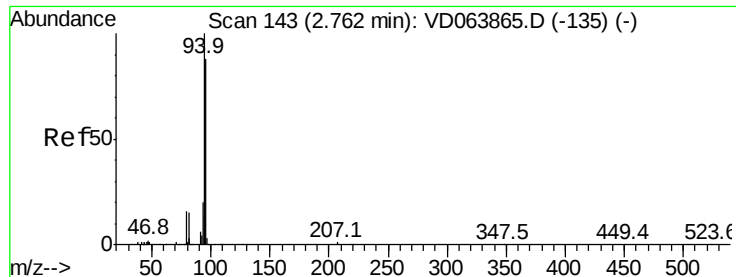
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Time-->

2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 20.770 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

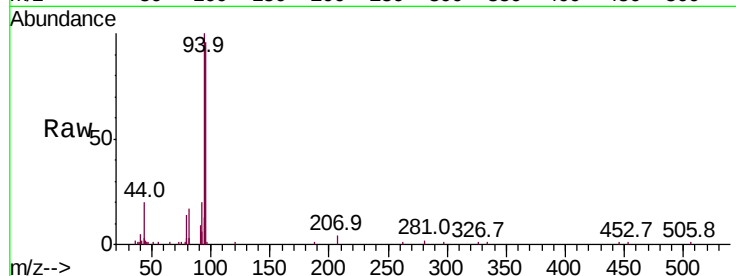
ClientSampled :

Tot Ion: 94 Resp: 54388

Ion Ratio Lower Upper

94 100

96 96.3 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

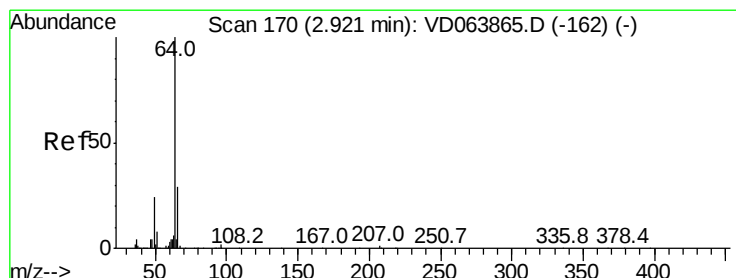
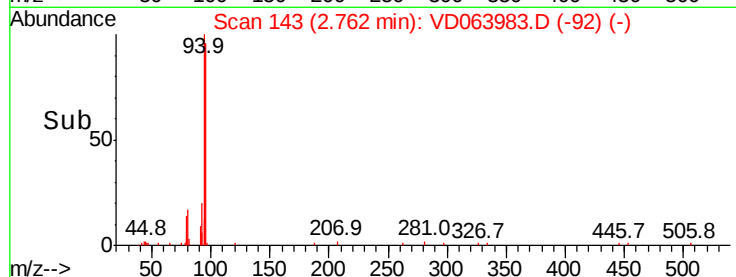
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 21.647 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063983.D

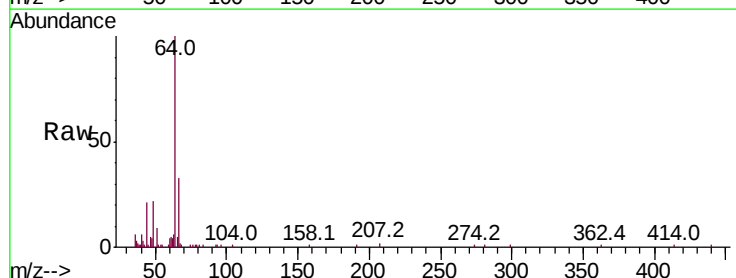
Acq: 16 Oct 2019 13:14

Tgt Ion: 64 Resp: 58310

Ion Ratio Lower Upper

64 100

66 32.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

15000

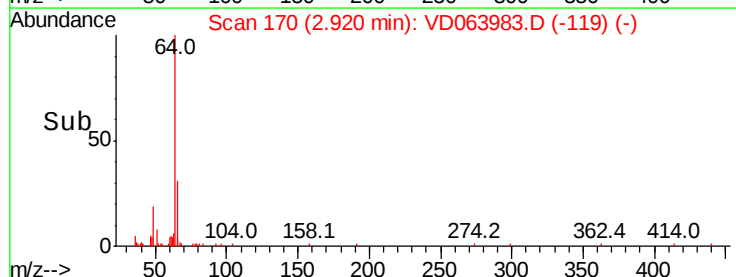
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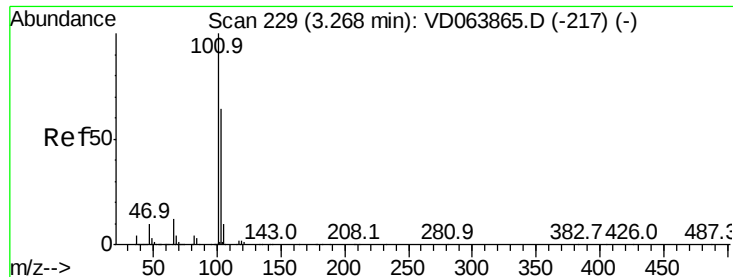
5000

0

2.80 2.90 3.00

Time-->



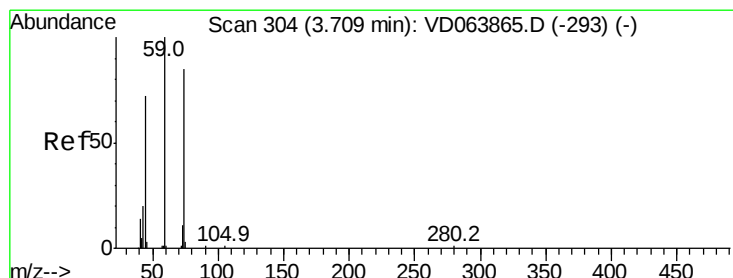
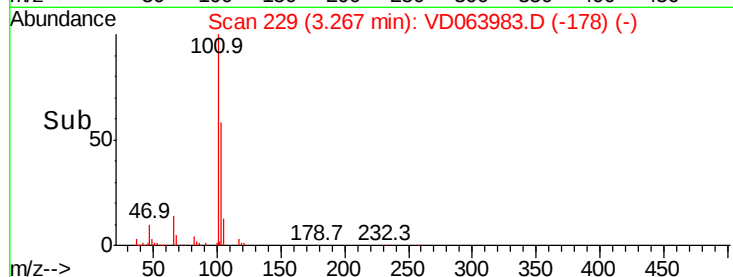
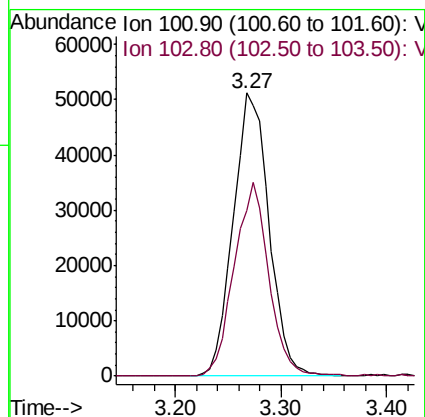
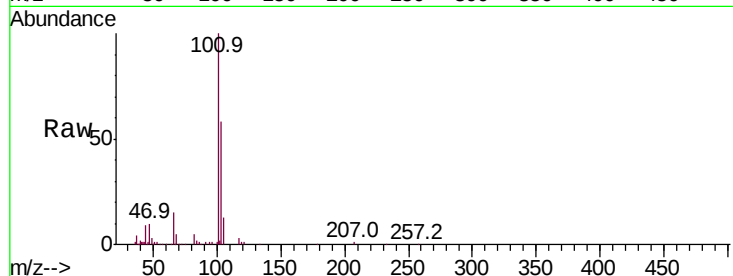


#7

Trichlorofluoromethane  
Concen: 22.325 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampled :

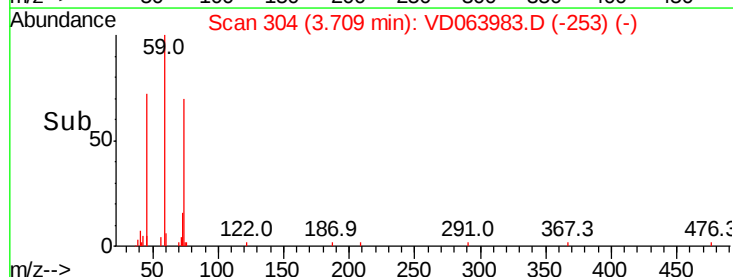
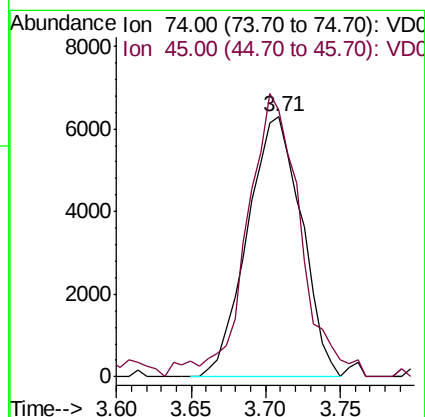
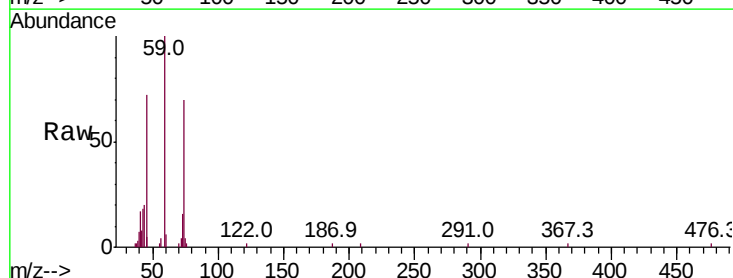
Tot Ion:101 Resp: 120225  
Ion Ratio Lower Upper  
101 100  
103 58.4 51.1 76.7

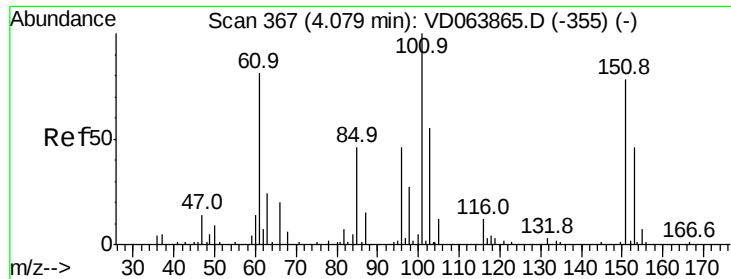


#8

Diethyl Ether  
Concen: 18.361 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 74 Resp: 15871  
Ion Ratio Lower Upper  
74 100  
45 107.3 48.1 144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.399 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

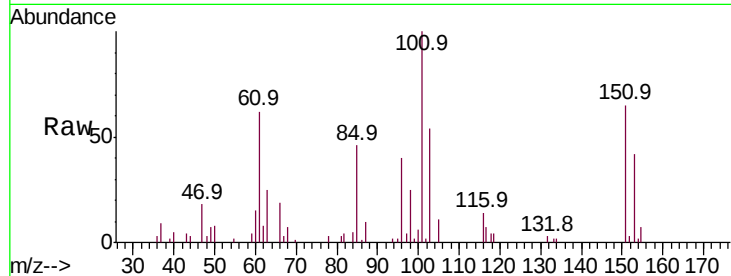
Tot Ion:101 Resp: 31899

Ion Ratio Lower Upper

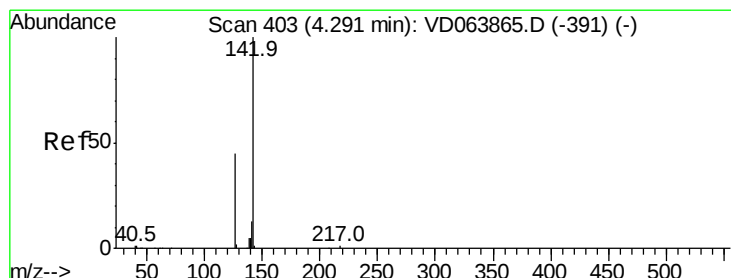
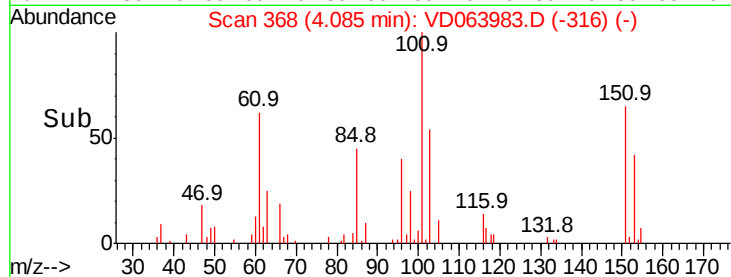
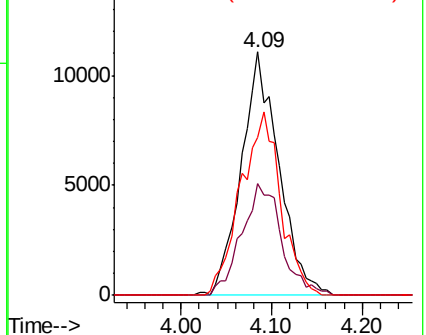
101 100

85 48.5 37.5 56.3

151 79.9 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 84.90 (84.60 to 85.60): V  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.567 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

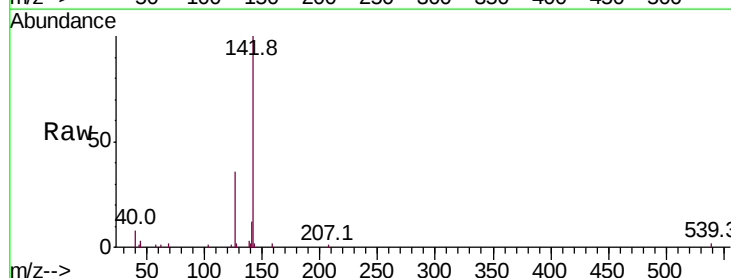
Tgt Ion:142 Resp: 38138

Ion Ratio Lower Upper

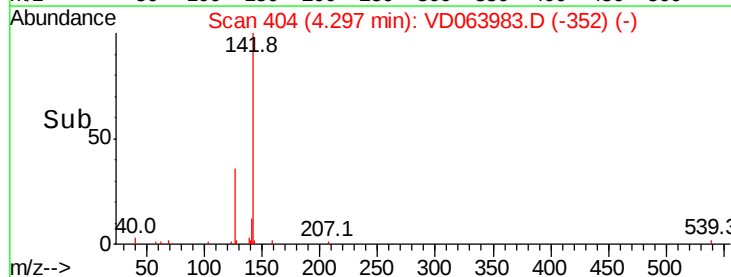
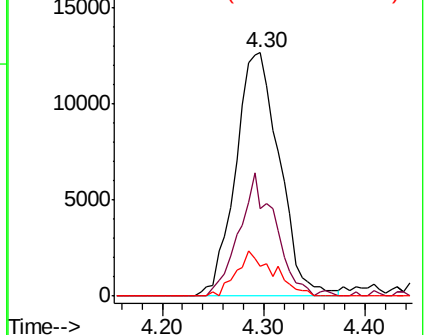
142 100

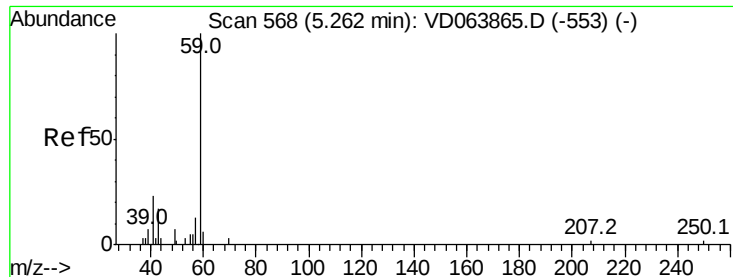
127 41.8 35.3 52.9

141 15.8 12.2 18.2



Abundance Ion 141.80 (141.50 to 142.50): V  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V



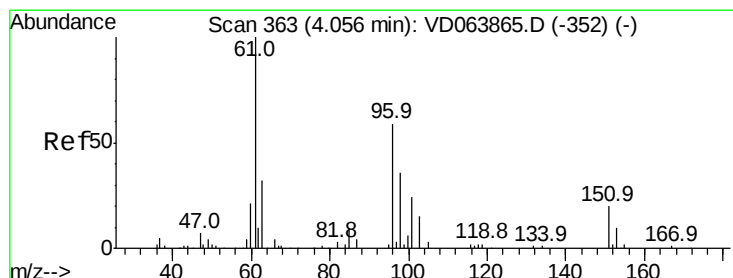
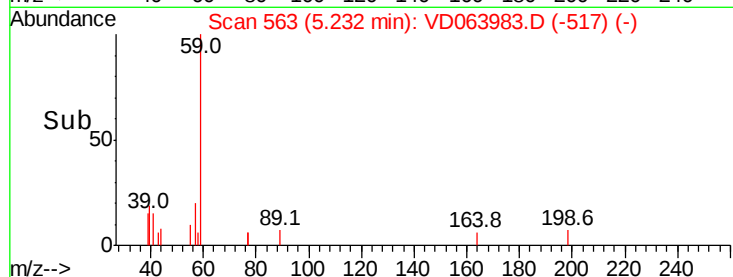
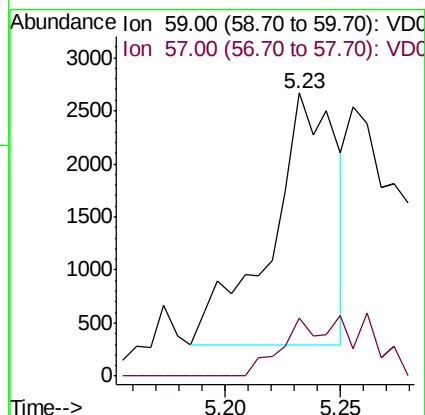
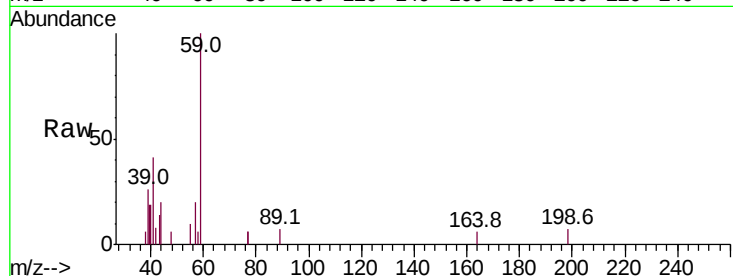


#11

Tert butyl alcohol  
 Concen: 31.967 ug/l  
 RT: 5.23 min Scan# 563  
 Delta R.T. -0.03 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :

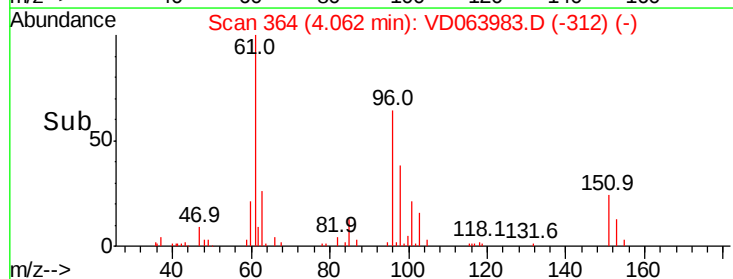
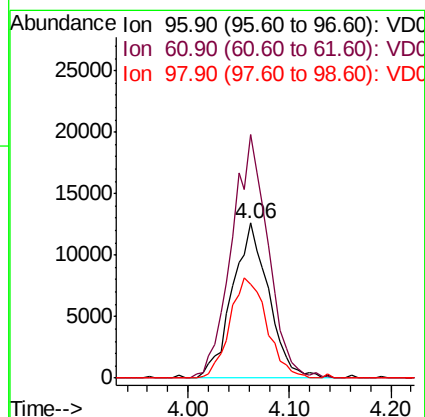
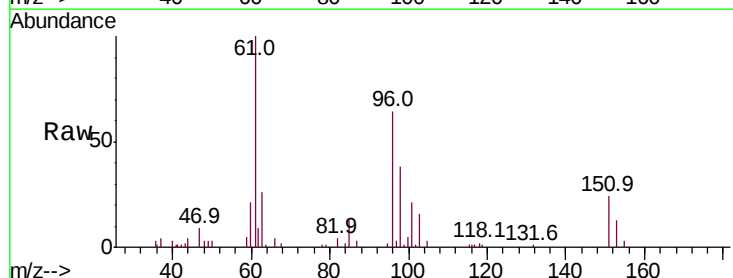
Tot Ion: 59 Resp: 4683  
 Ion Ratio Lower Upper  
 59 100  
 57 14.7 8.8 13.2#

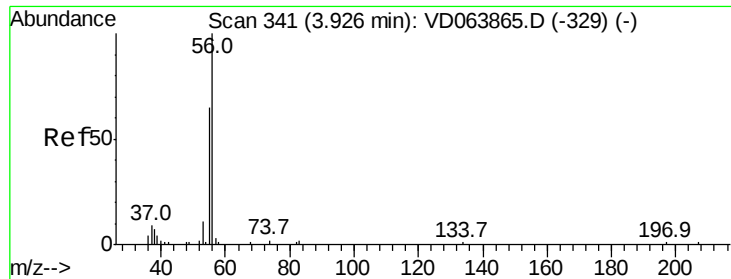


#12

1,1-Dichloroethene  
 Concen: 21.011 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Tgt Ion: 96 Resp: 31292  
 Ion Ratio Lower Upper  
 96 100  
 61 157.4 135.6 203.4  
 98 60.4 49.2 73.8





#13

Acrolein

Concen: 64.716 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

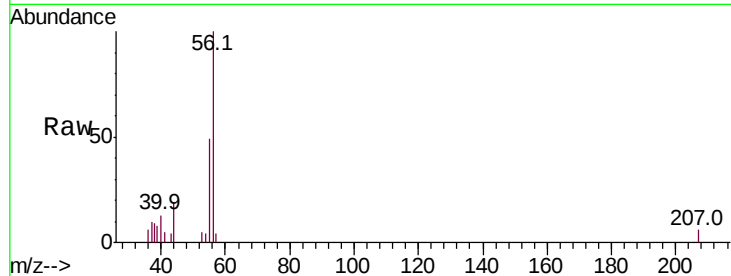
ClientSampleId :

Tot Ion: 56 Resp: 10000

Ion Ratio Lower Upper

56 100

55 74.9 53.0 79.6

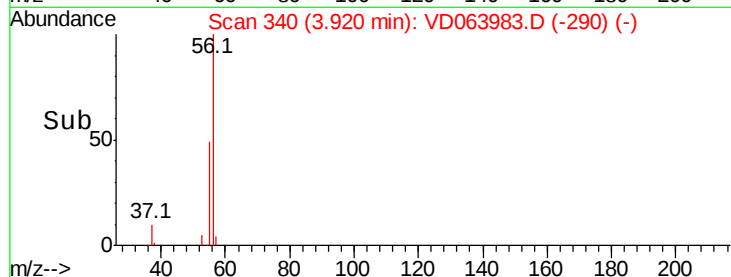


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



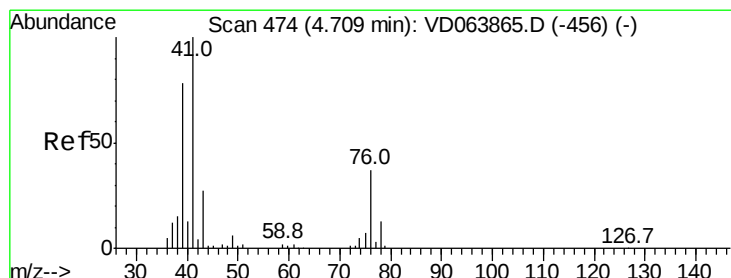
Abundance

Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

Time-->



#14

Allyl chloride

Concen: 20.095 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

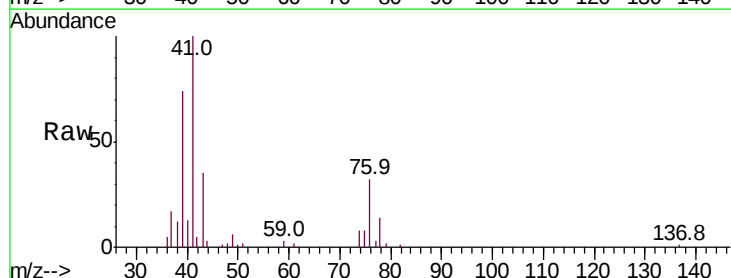
Tgt Ion: 41 Resp: 49756

Ion Ratio Lower Upper

41 100

39 76.2 61.8 92.6

76 35.5 31.3 46.9



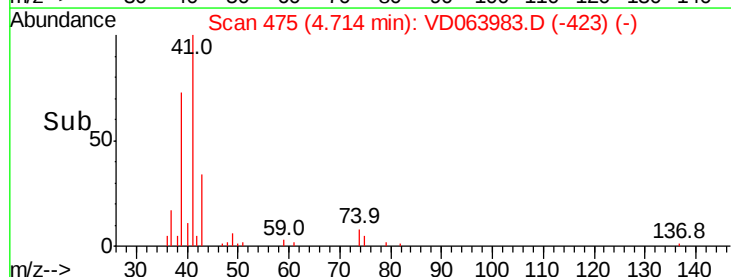
Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

Time-->



Abundance

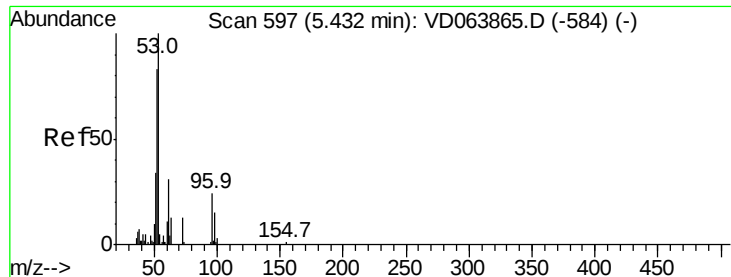
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

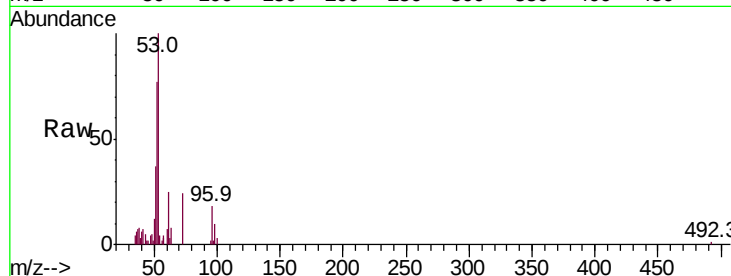
Time-->



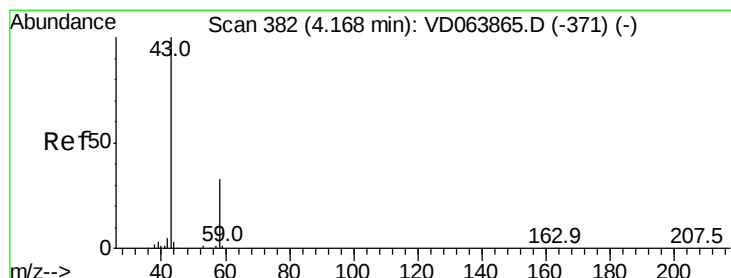
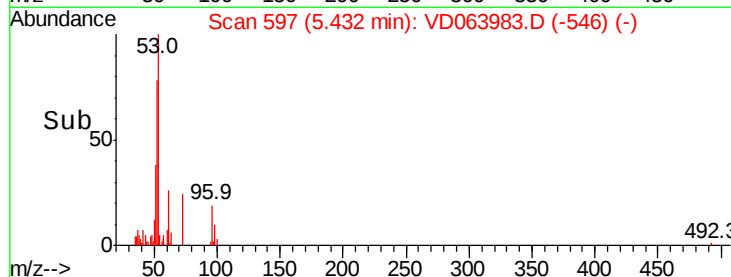
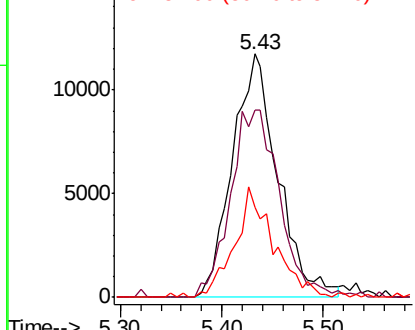
#15  
 Acrylonitrile  
 Concen: 95.903 ug/l  
 RT: 5.43 min Scan# 597  
 Delta R.T. -0.00 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Instrument :  
 MSVOA\_D  
 ClientSampleID :

Tot Ion: 53 Resp: 36548  
 Ion Ratio Lower Upper  
 53 100  
 52 83.5 67.3 100.9  
 51 38.7 30.5 45.7

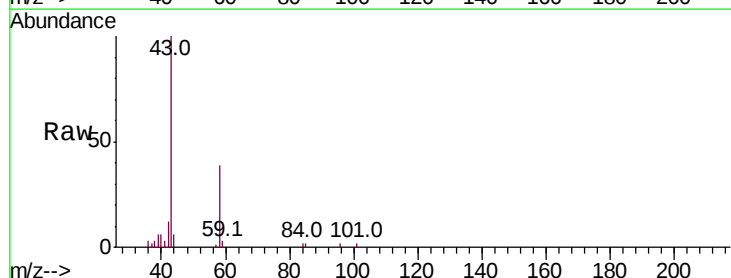


Abundance Ion 53.00 (52.70 to 53.70): VDC  
 Ion 52.00 (51.70 to 52.70): VDC  
 Ion 51.00 (50.70 to 51.70): VDC

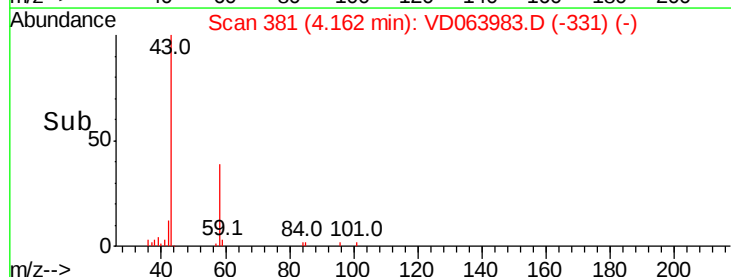
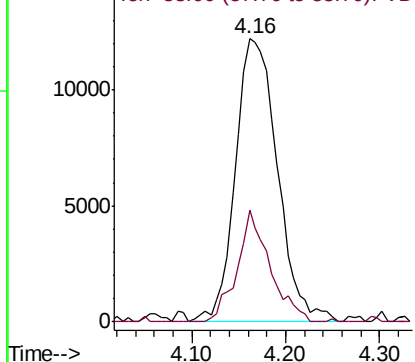


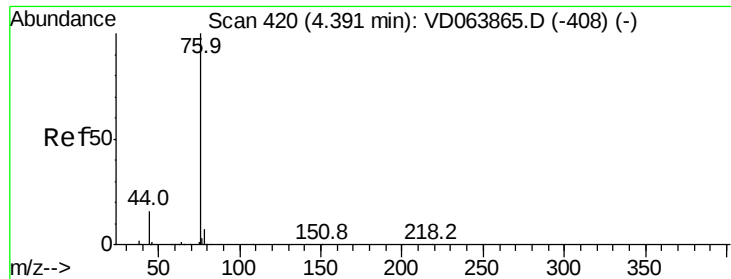
#16  
 Acetone  
 Concen: 84.002 ug/l  
 RT: 4.16 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 37838  
 Ion Ratio Lower Upper  
 43 100  
 58 39.4 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC  
 Ion 58.00 (57.70 to 58.70): VDC

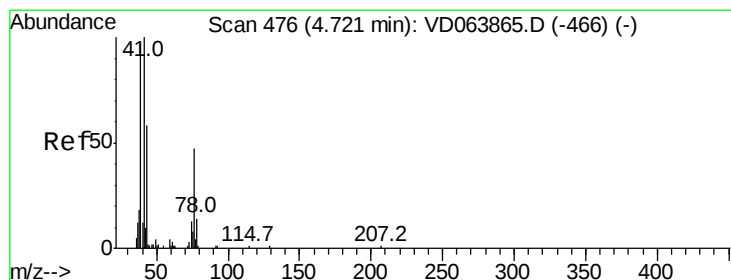
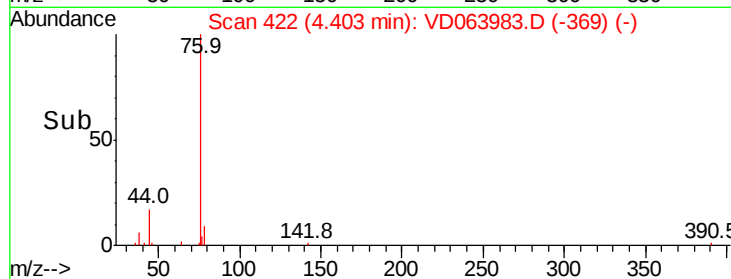
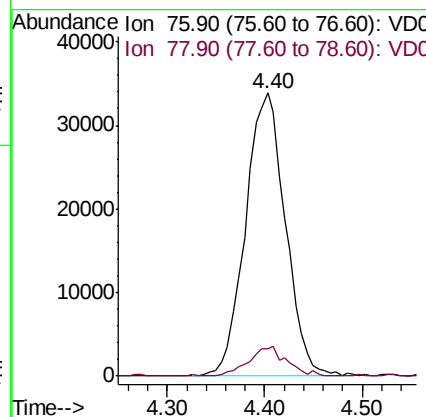
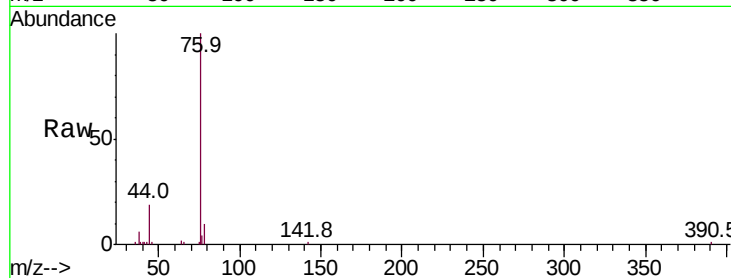




#17  
Carbon Disulfide  
Concen: 17.791 ug/l  
RT: 4.40 min Scan# 422  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

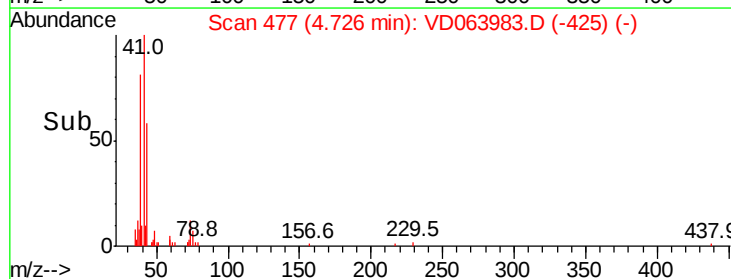
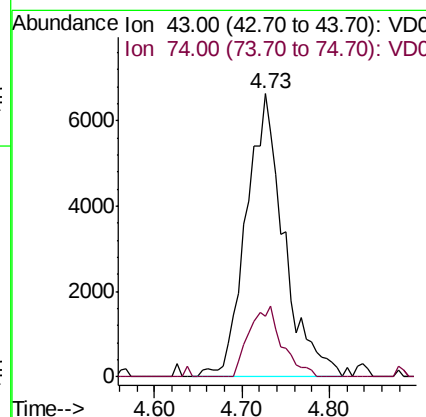
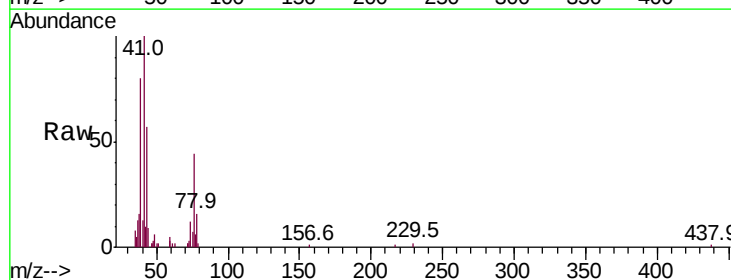
Instrument :  
MSVOA\_D  
ClientSampleId :

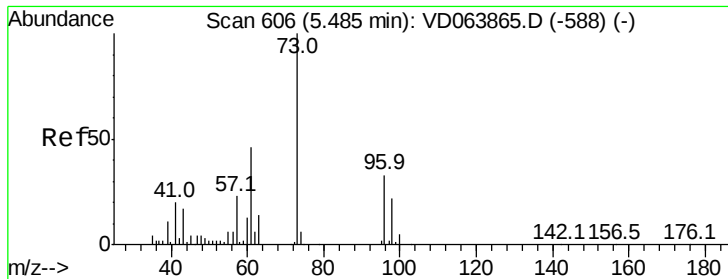
Tot Ion: 76 Resp: 96318  
Ion Ratio Lower Upper  
76 100  
78 9.8 5.8 8.8#



#18  
Methyl Acetate  
Concen: 22.198 ug/l  
RT: 4.73 min Scan# 477  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 19557  
Ion Ratio Lower Upper  
43 100  
74 21.5 20.8 31.2



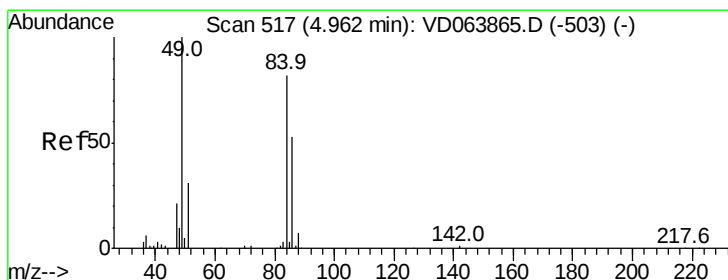
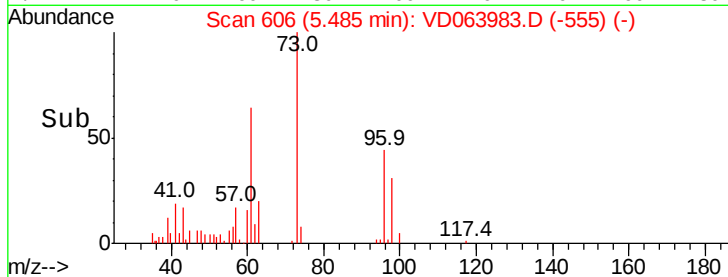
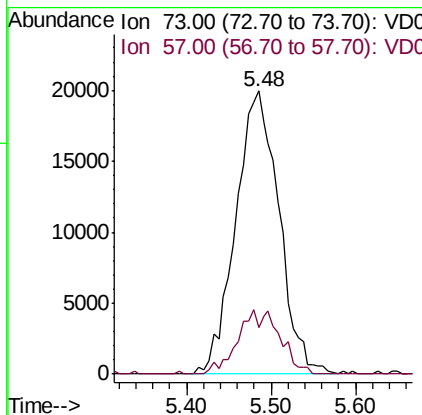
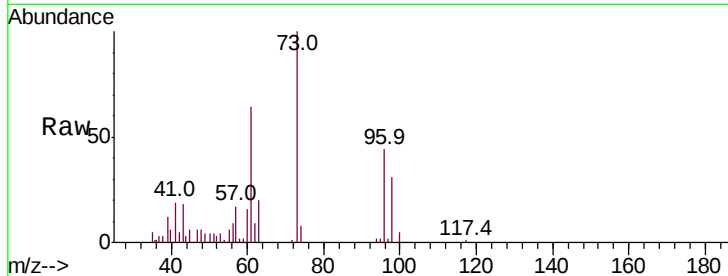


#19

Methyl tert-butyl Ether  
 Concen: 18.342 ug/l  
 RT: 5.48 min Scan# 606  
 Delta R.T. -0.00 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :

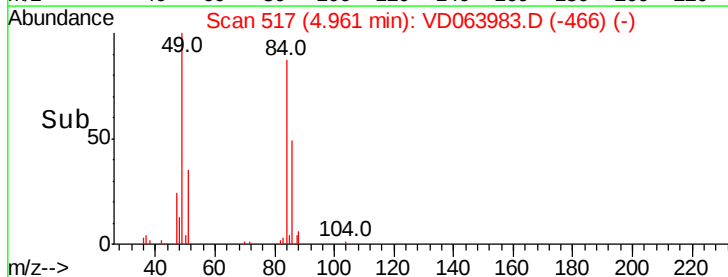
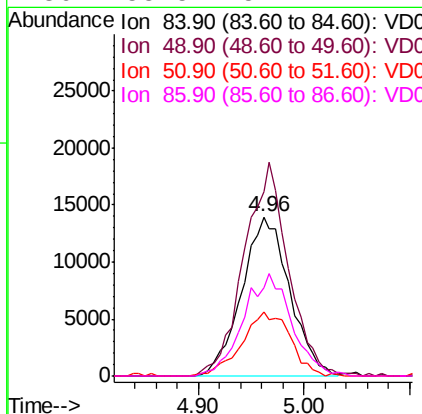
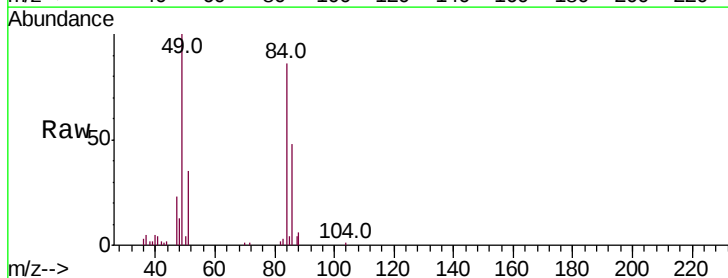
Tot Ion: 73 Resp: 70736  
 Ion Ratio Lower Upper  
 73 100  
 57 16.7 18.1 27.1#

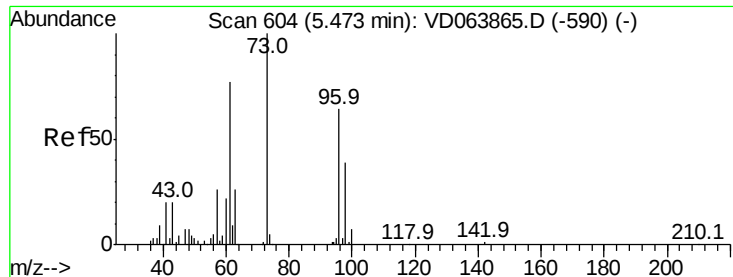


#20

Methylene Chloride  
 Concen: 20.115 ug/l  
 RT: 4.96 min Scan# 517  
 Delta R.T. 0.00 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Tgt Ion: 84 Resp: 43799  
 Ion Ratio Lower Upper  
 84 100  
 49 115.7 97.3 145.9  
 51 40.2 30.1 45.1  
 86 55.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

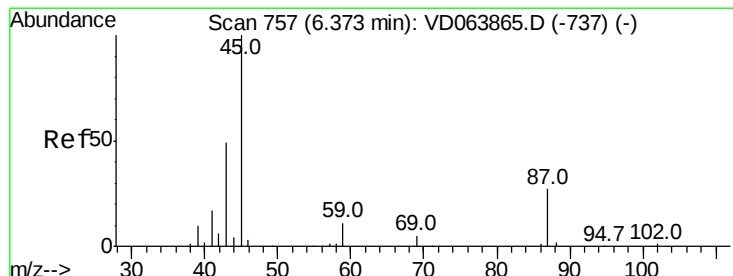
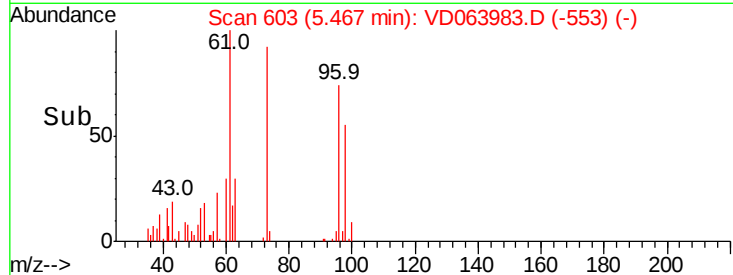
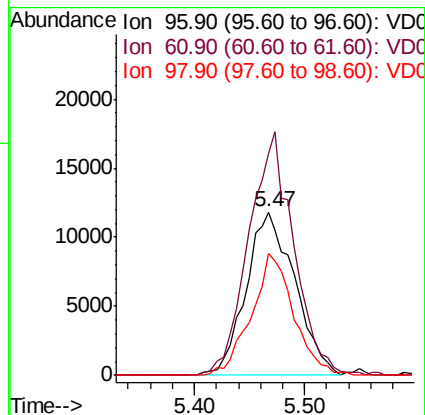
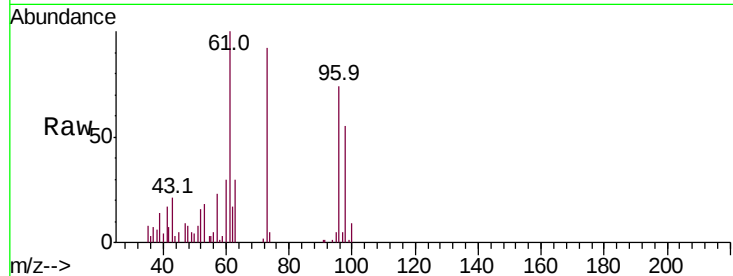
Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 96 Resp: 36432

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 135.9 | 96.6  | 145.0 |
| 98  | 74.9  | 48.7  | 73.1# |



#22

Diisopropyl ether

Concen: 19.593 ug/l

RT: 6.37 min Scan# 757

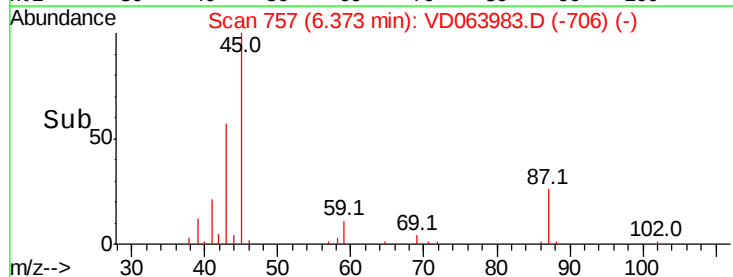
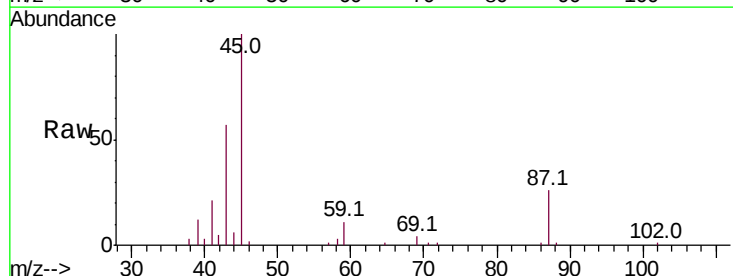
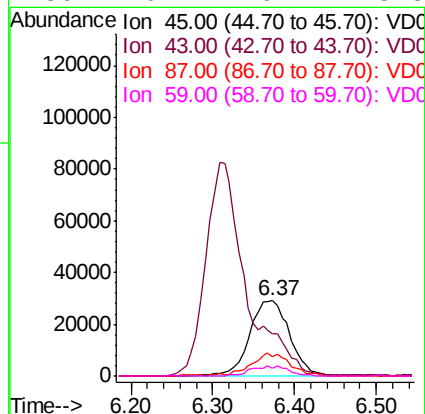
Delta R.T. -0.00 min

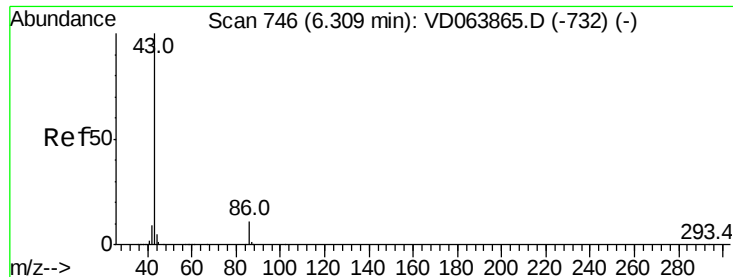
Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion: 45 Resp: 99082

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 55.6  | 41.2  | 61.8  |
| 87  | 26.2  | 22.2  | 33.4  |
| 59  | 10.7  | 9.2   | 13.8  |





#23

Vinyl Acetate

Concen: 94.531 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

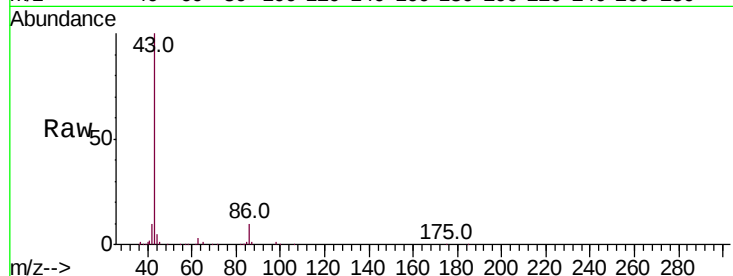
ClientSampleId :

Tot Ion: 43 Resp: 284381

Ion Ratio Lower Upper

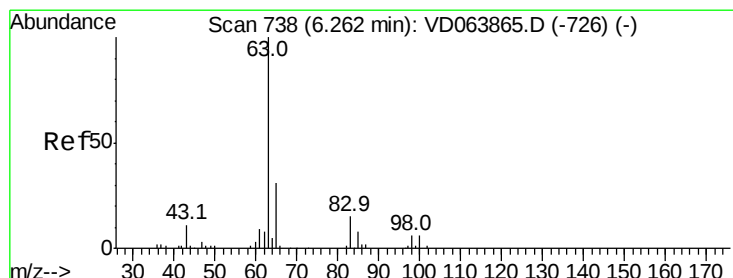
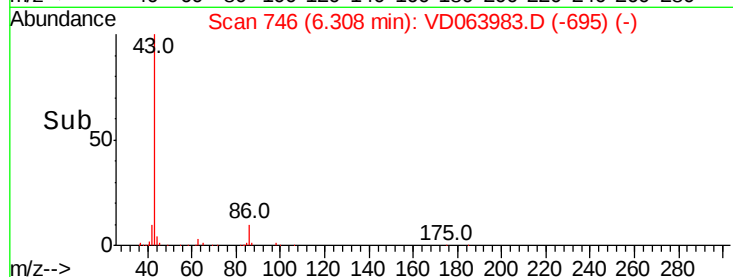
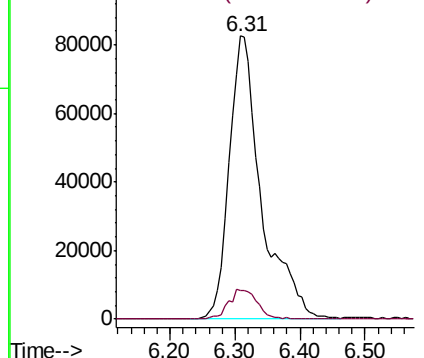
43 100

86 9.9 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.854 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

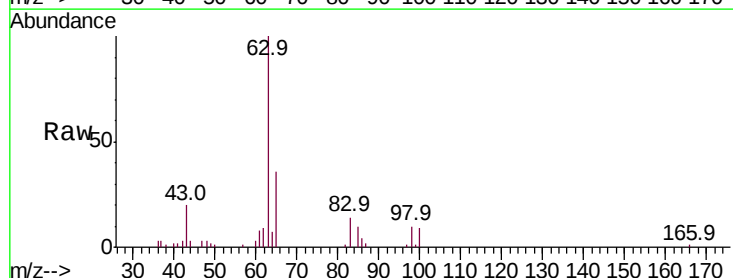
Tgt Ion: 63 Resp: 61842

Ion Ratio Lower Upper

63 100

98 10.1 3.1 9.4#

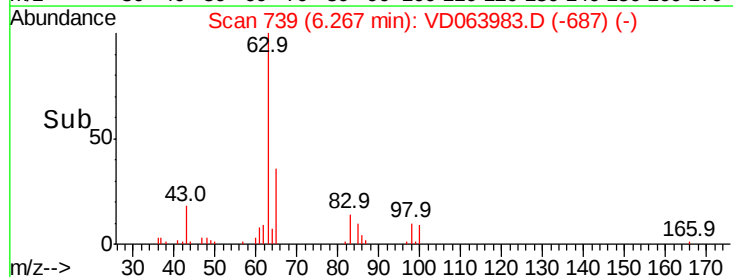
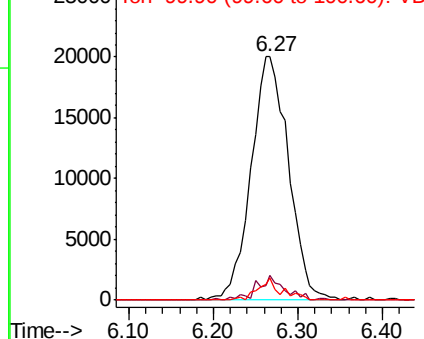
100 8.9 3.0 9.2

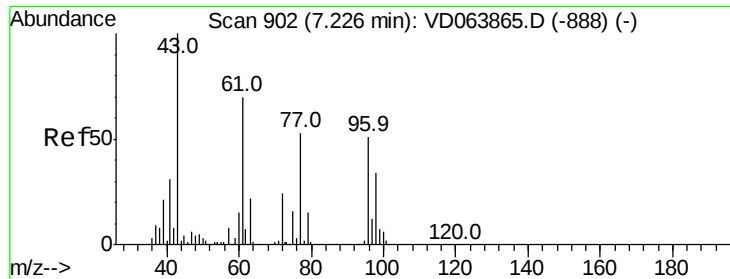


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.605 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

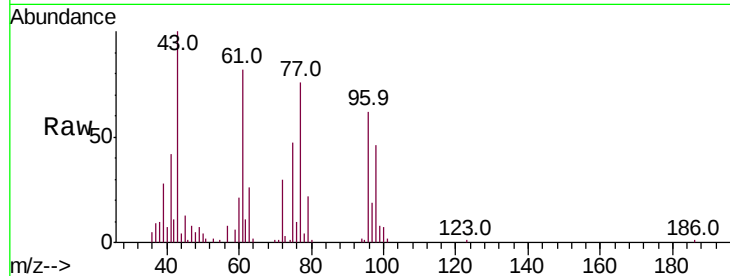
ClientSampleId :

Tot Ion: 43 Resp: 47833

Ion Ratio Lower Upper

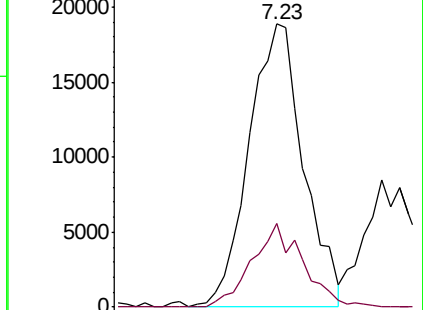
43 100

72 29.6 19.2 28.8#

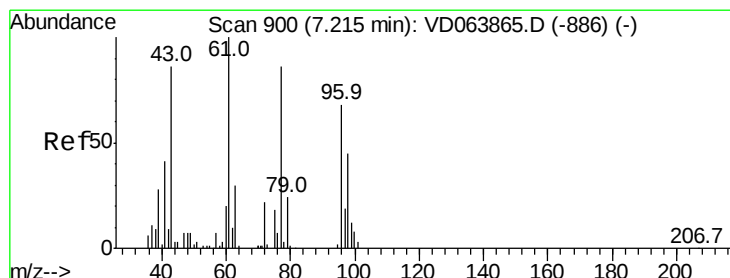
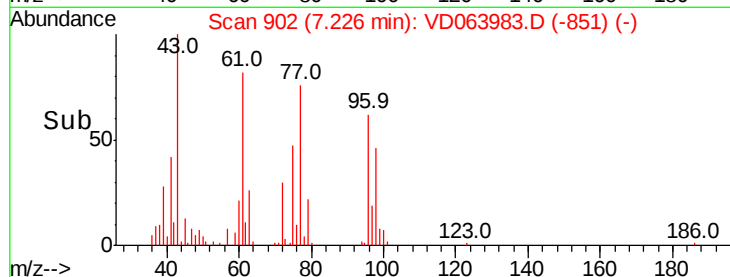


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.625 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063983.D

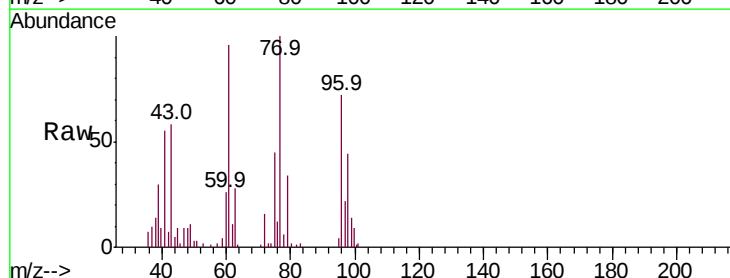
Acq: 16 Oct 2019 13:14

Tgt Ion: 77 Resp: 55297

Ion Ratio Lower Upper

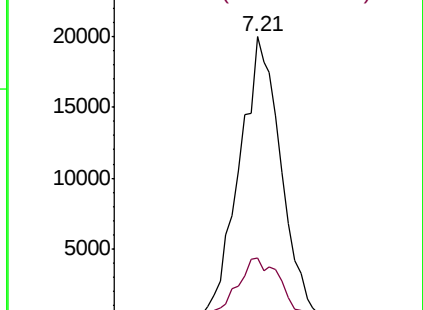
77 100

97 23.3 11.4 34.1

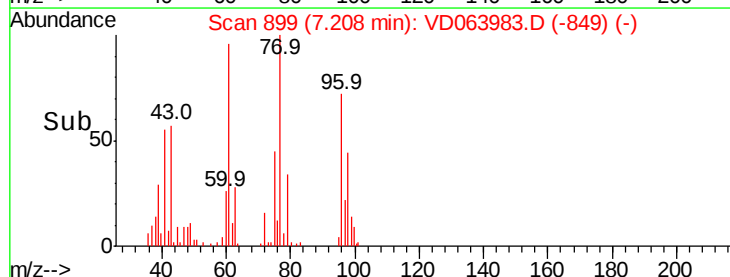


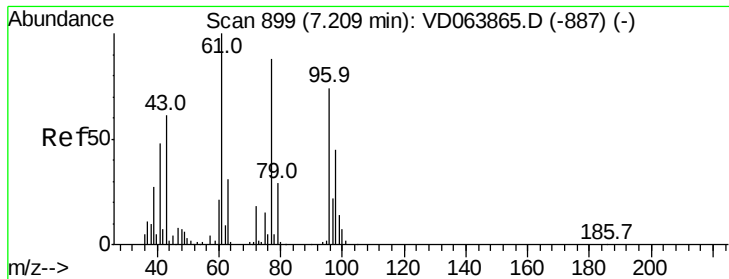
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->



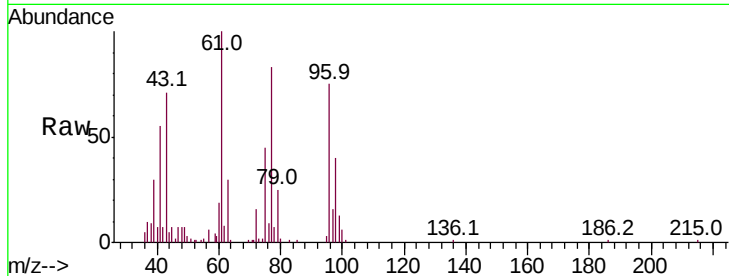


#27

cis-1,2-Dichloroethene  
Concen: 19.531 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampled :

| Tot Ion | 96    | Resp  | 40987 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 142.2 | 0.0   | 280.0 |
| 98      | 64.0  | 0.0   | 130.4 |

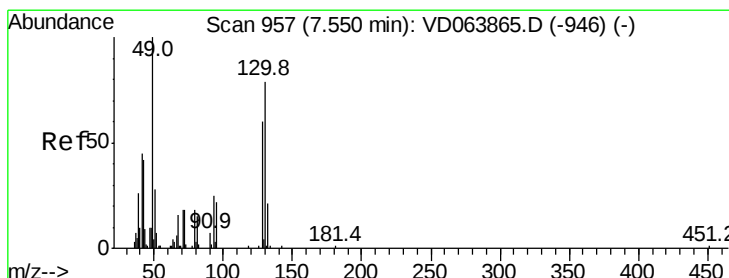
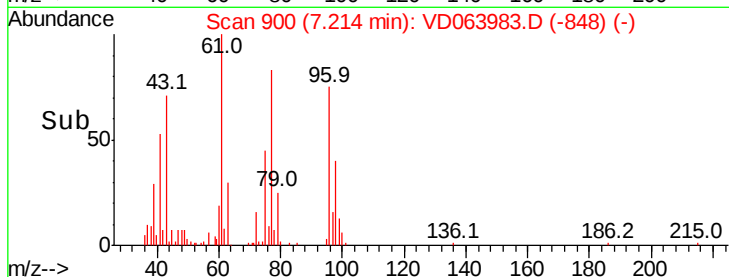
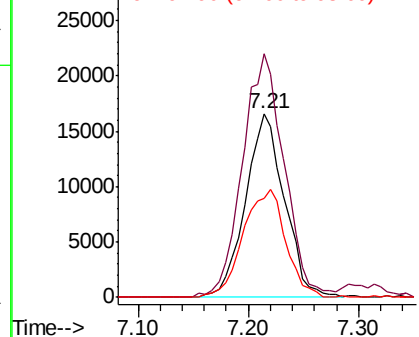


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

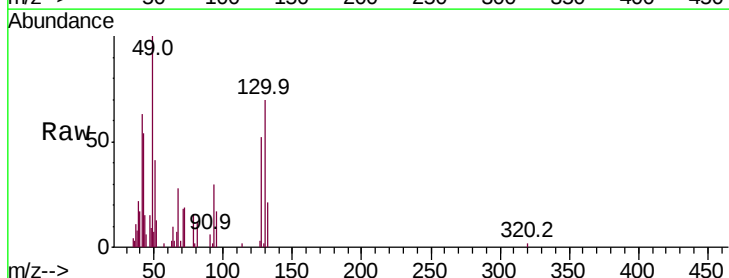
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane  
Concen: 18.318 ug/l  
RT: 7.55 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

| Tgt Ion | 49    | Resp  | 20240 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 49      | 100   |       |       |
| 129     | 2.2   | 0.0   | 5.6   |
| 130     | 78.2  | 66.8  | 100.2 |

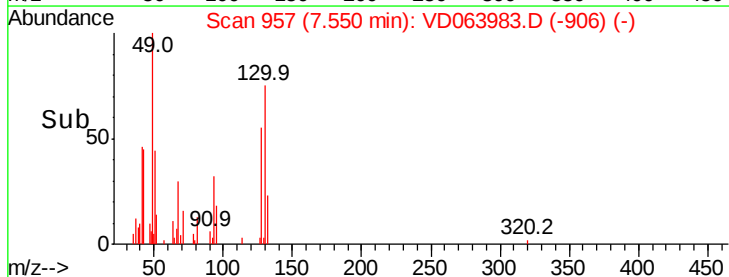
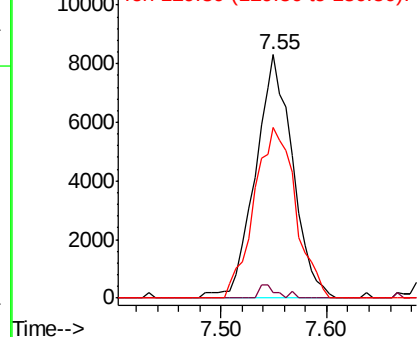


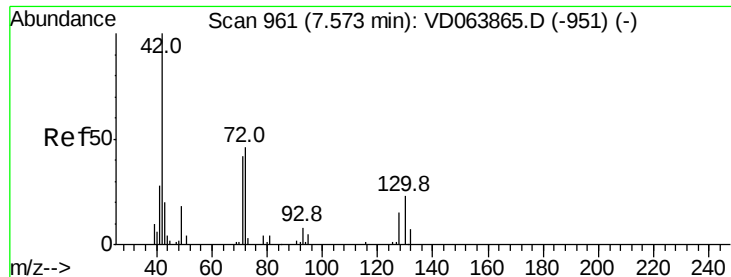
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

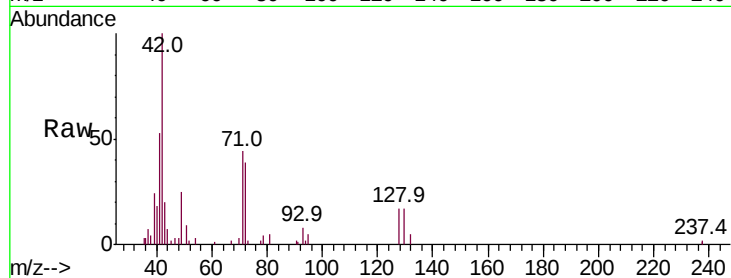




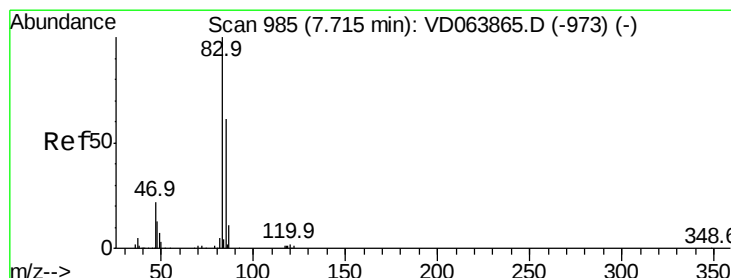
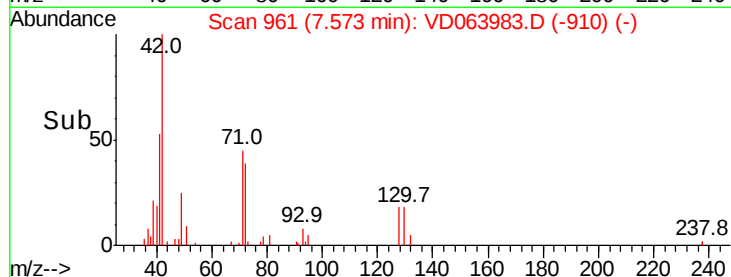
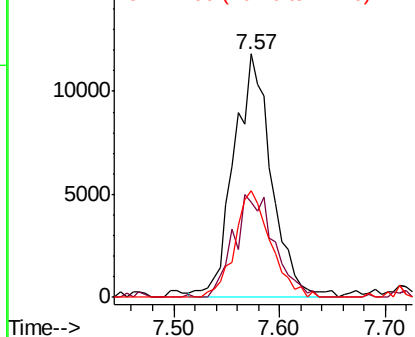
#29  
Tetrahydrofuran  
Concen: 93.895 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 42 Resp: 29256  
Ion Ratio Lower Upper  
42 100  
72 45.4 37.6 56.4  
71 41.6 35.0 52.6

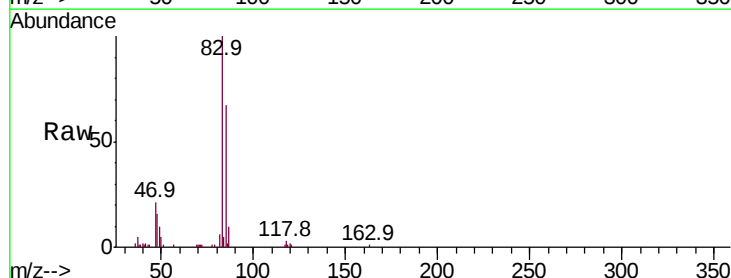


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

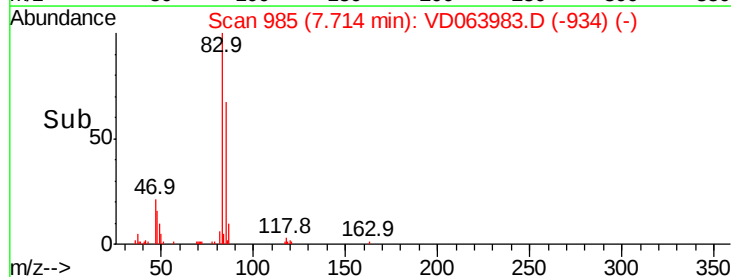
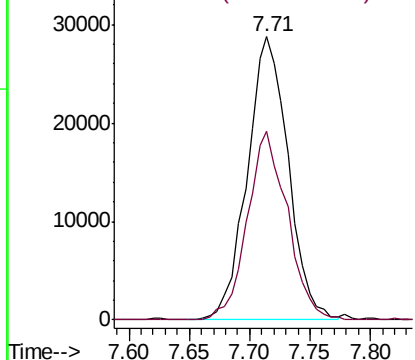


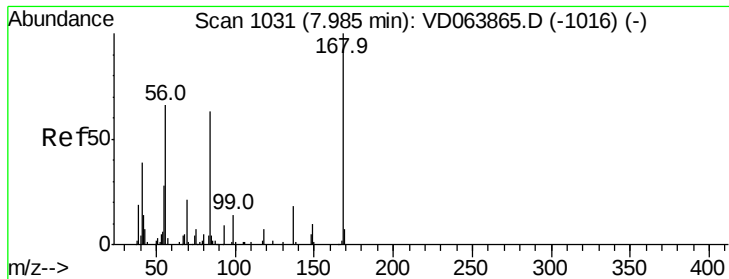
#30  
Chloroform  
Concen: 20.071 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 83 Resp: 67902  
Ion Ratio Lower Upper  
83 100  
85 66.6 48.9 73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC

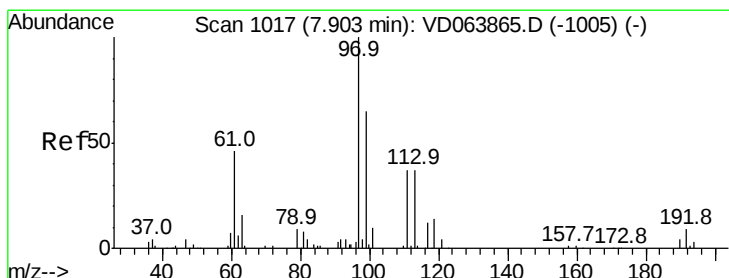
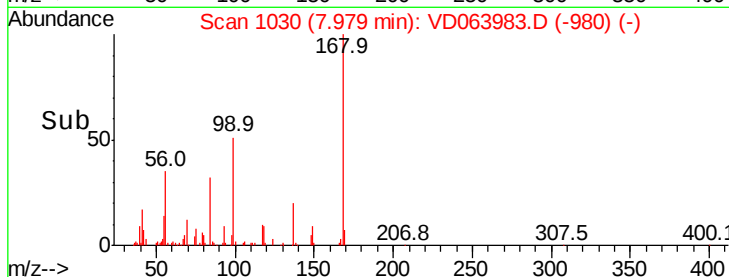
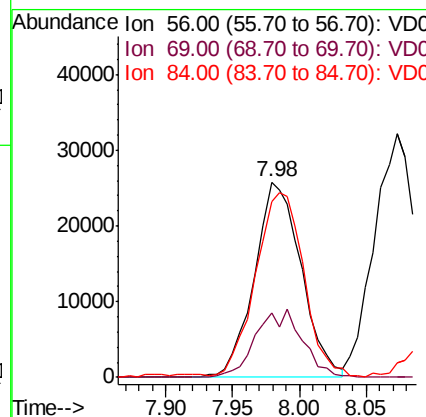
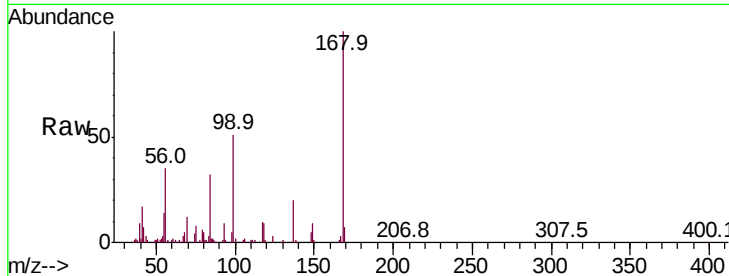




#31  
Cyclohexane  
Concen: 22.099 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

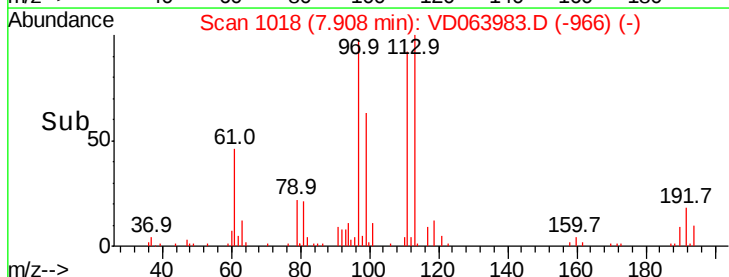
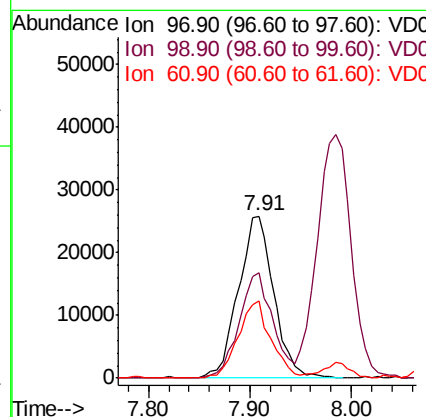
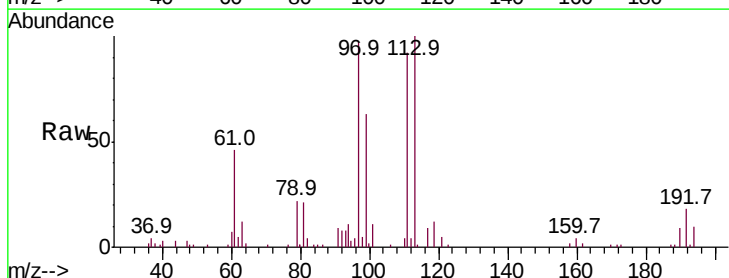
Instrument :  
MSVOA\_D  
ClientSampleId :

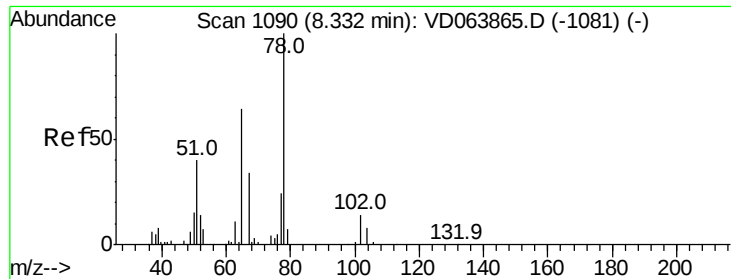
Tot Ion: 56 Resp: 62649  
Ion Ratio Lower Upper  
56 100  
69 33.0 25.0 37.4  
84 88.8 76.3 114.5



#32  
1,1,1-Trichloroethane  
Concen: 21.470 ug/l  
RT: 7.91 min Scan# 1018  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 97 Resp: 62307  
Ion Ratio Lower Upper  
97 100  
99 62.7 52.4 78.6  
61 44.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 46.927 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

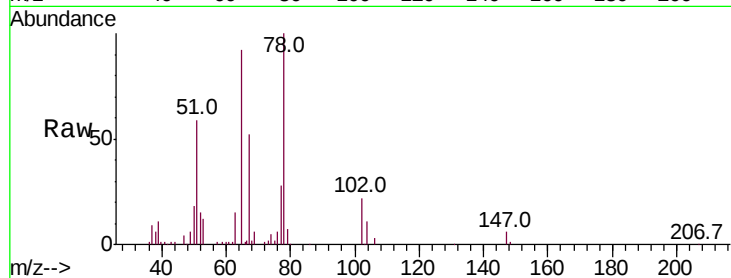
ClientSampleId :

Tot Ion: 65 Resp: 81188

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

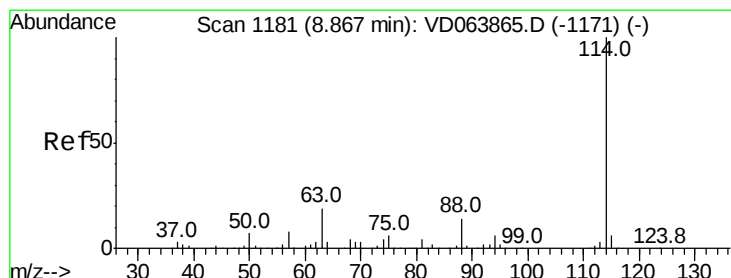
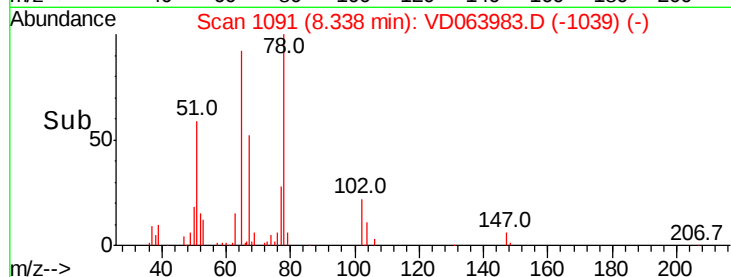
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

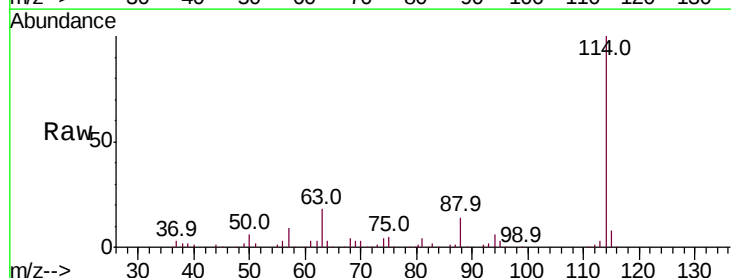
Tgt Ion:114 Resp: 277403

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.3 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

150000

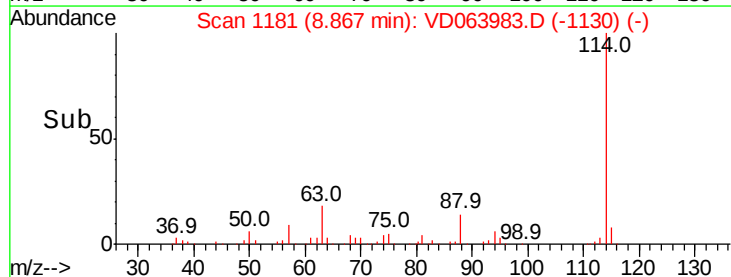
100000

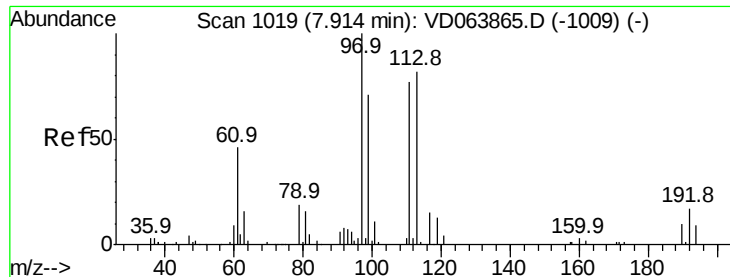
50000

0

8.80 8.90

Time-->





#35

Dibromofluoromethane

Concen: 50.007 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

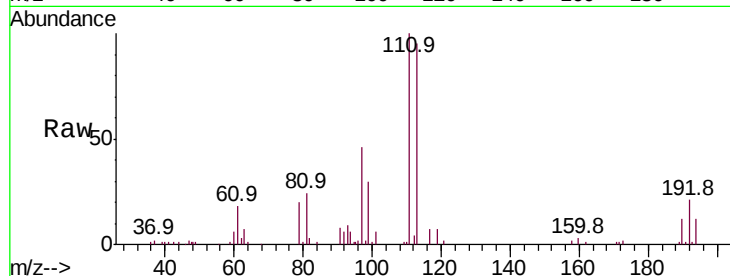
Tot Ion:113 Resp: 84777

Ion Ratio Lower Upper

113 100

111 98.8 82.6 123.8

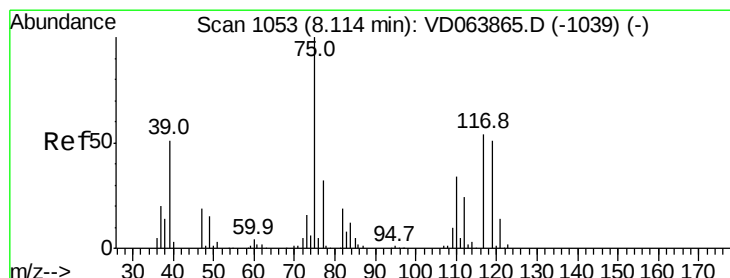
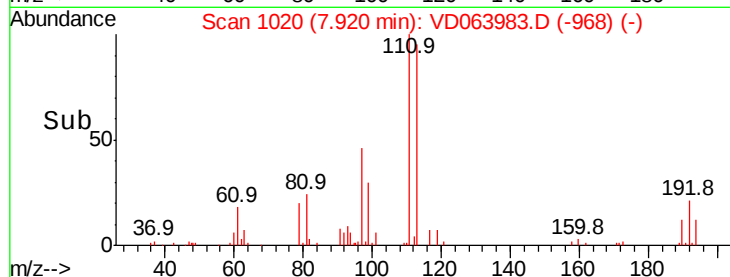
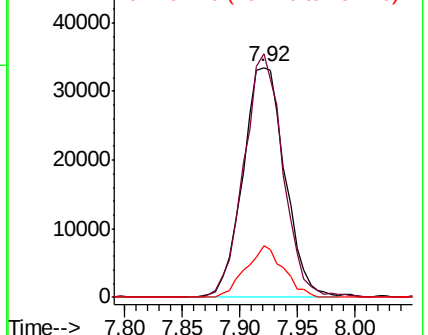
192 20.2 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.239 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

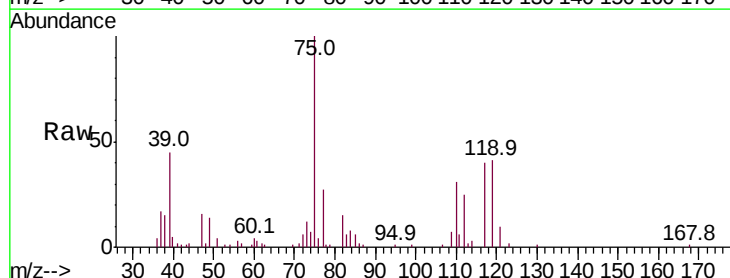
Tgt Ion: 75 Resp: 56407

Ion Ratio Lower Upper

75 100

110 33.7 17.4 52.3

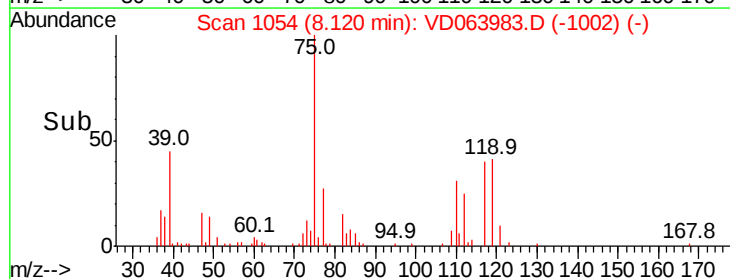
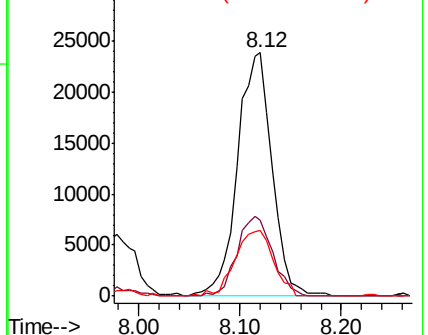
77 29.8 25.4 38.0

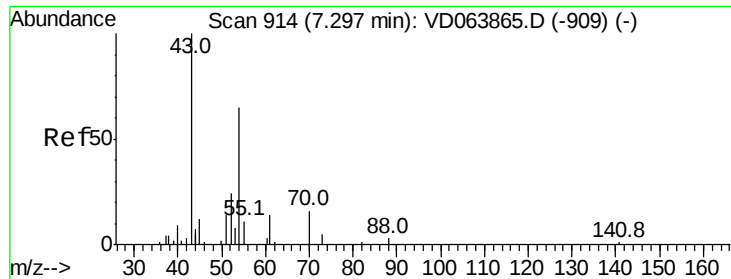


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

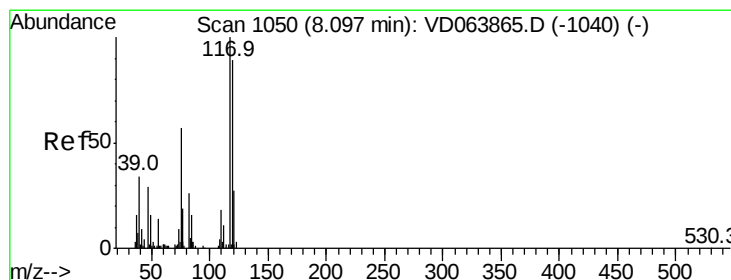
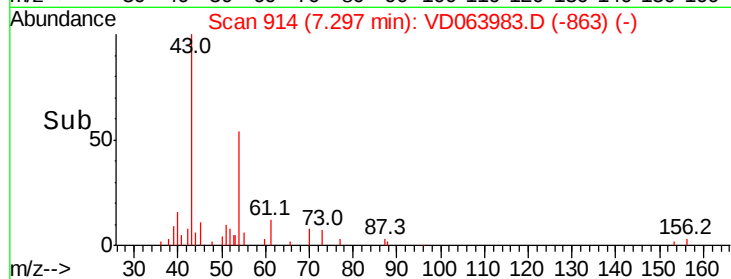
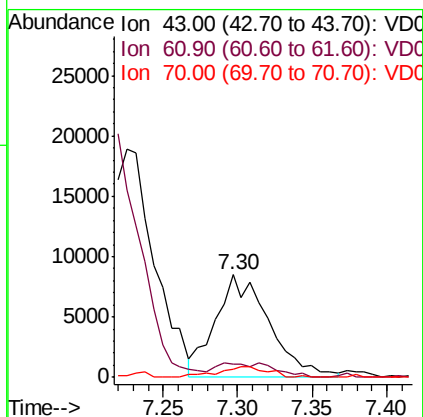
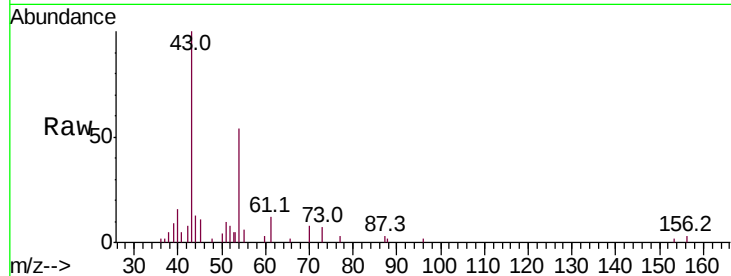




#37  
Ethyl Acetate  
Concen: 18.397 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

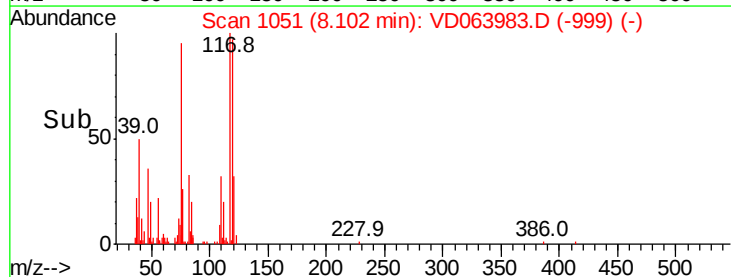
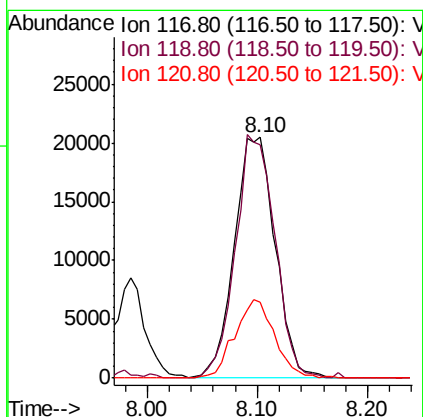
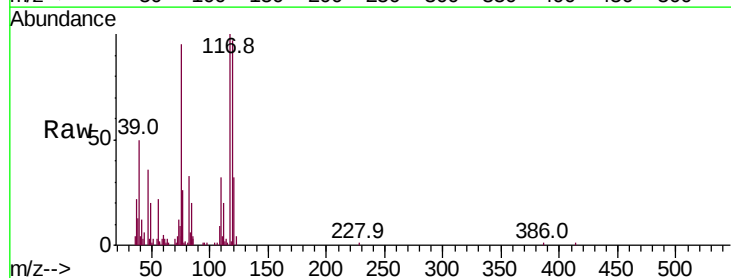
Instrument :  
MSVOA\_D  
ClientSampleId :

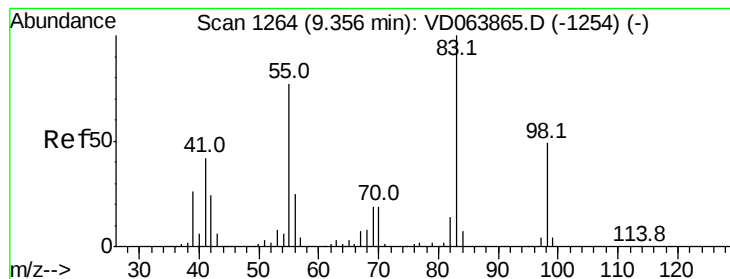
Tot Ion: 43 Resp: 21274  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.5 17.3  
70 9.2 8.2 12.4



#38  
Carbon Tetrachloride  
Concen: 20.827 ug/l  
RT: 8.10 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 117 Resp: 53381  
Ion Ratio Lower Upper  
117 100  
119 96.8 70.8 106.2  
121 31.7 21.4 32.0





#39

Methvlcvclohexane

Concen: 21.617 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampled :

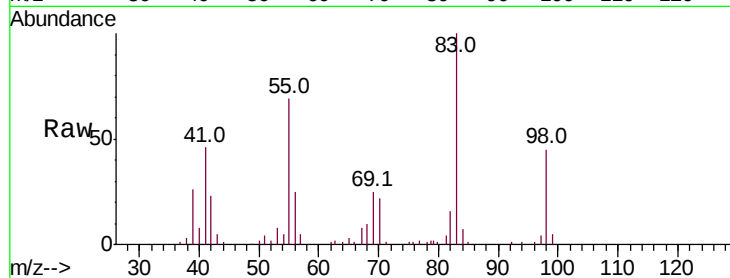
Tot Ion: 83 Resp: 67415

Ion Ratio Lower Upper

83 100

55 68.8 61.3 91.9

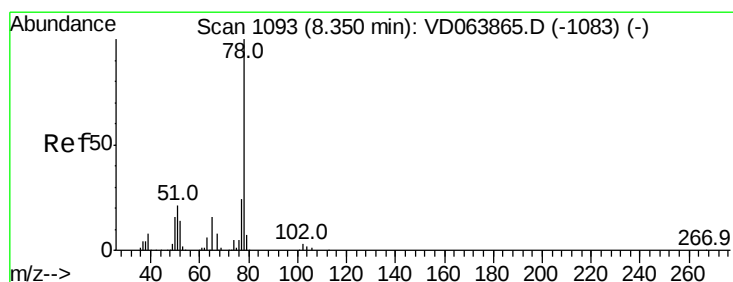
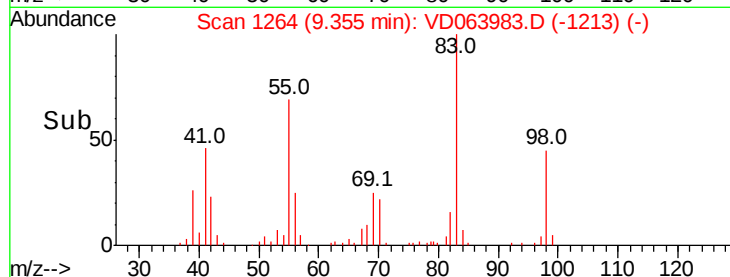
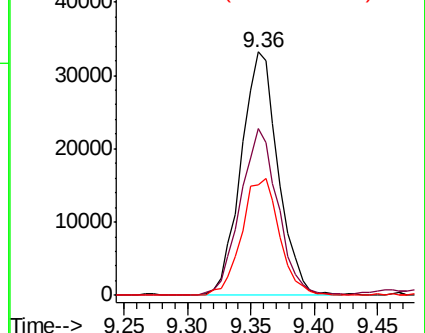
98 45.4 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 20.436 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD063983.D

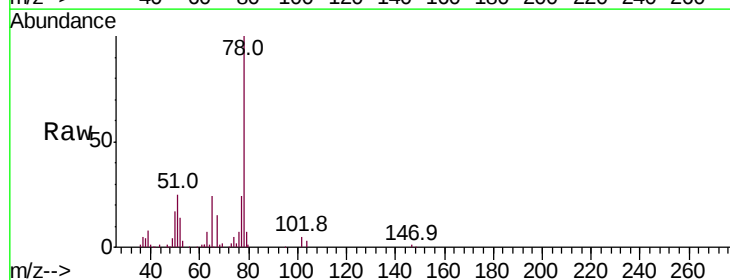
Acq: 16 Oct 2019 13:14

Tgt Ion: 78 Resp: 148537

Ion Ratio Lower Upper

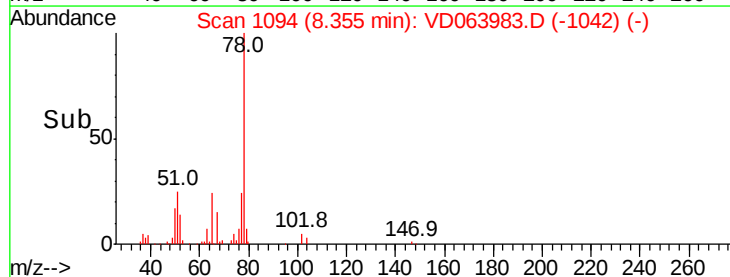
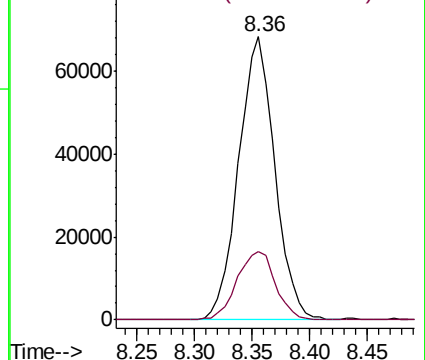
78 100

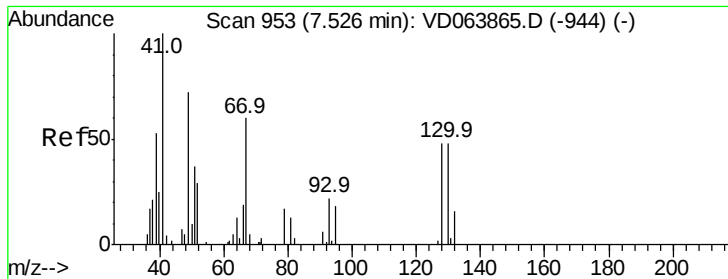
77 24.2 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 13.720 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 41 Resp: 8068

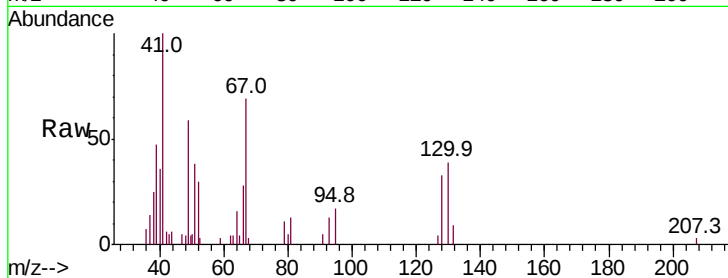
Ion Ratio Lower Upper

41 100

39 83.9 52.6 78.8#

67 125.0 74.2 111.2#

52 51.3 34.0 51.0#

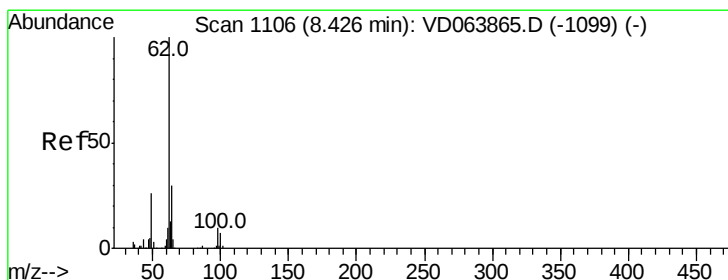
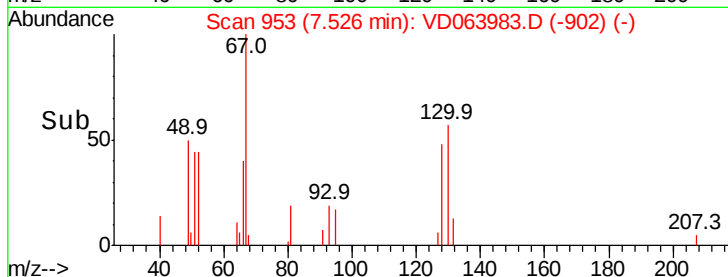
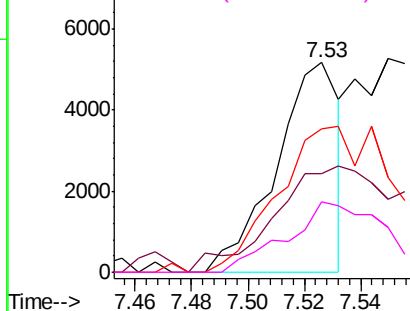


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.169 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063983.D

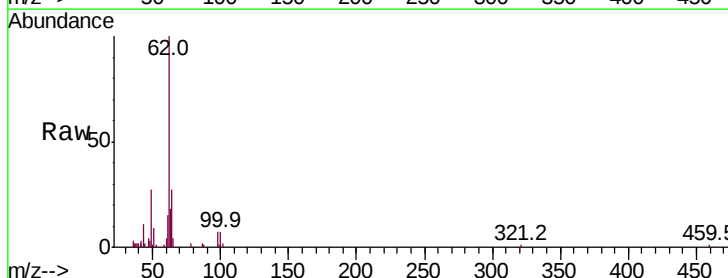
Acq: 16 Oct 2019 13:14

Tgt Ion: 62 Resp: 42406

Ion Ratio Lower Upper

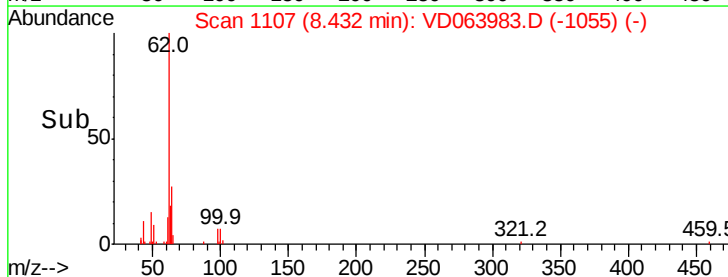
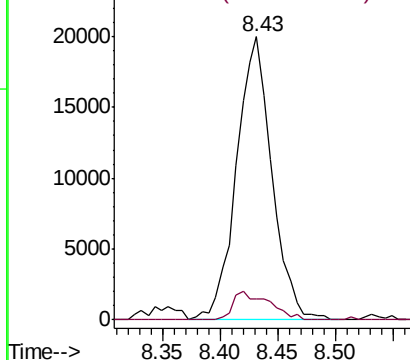
62 100

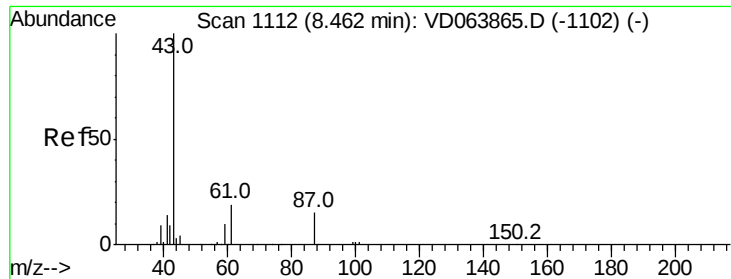
98 10.2 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

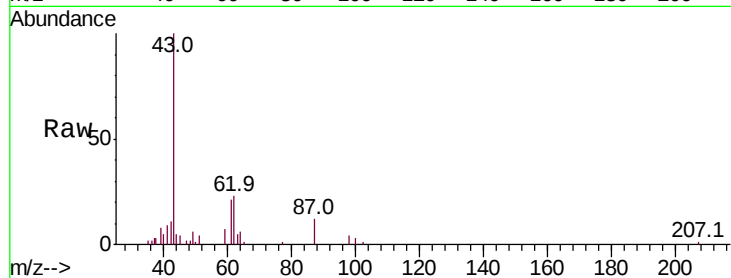




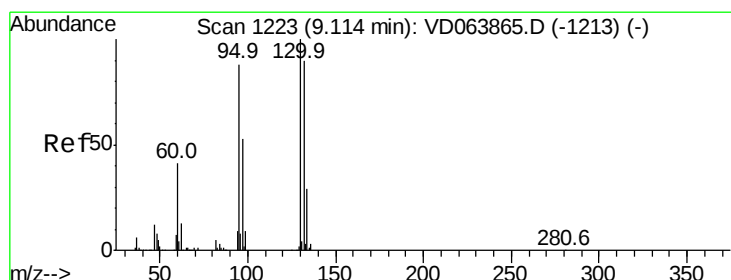
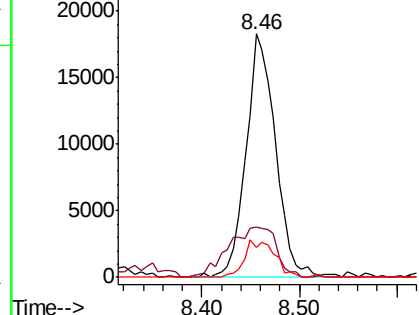
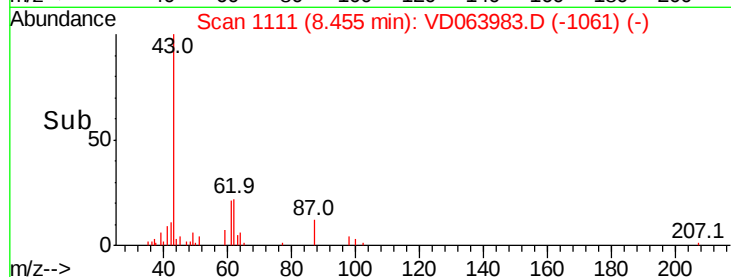
#43  
Isopropyl Acetate  
Concen: 18.060 ug/l  
RT: 8.46 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampleID :

Tot Ion: 43 Resp: 38415  
Ion Ratio Lower Upper  
43 100  
61 33.6 25.7 38.5  
87 15.5 11.6 17.4

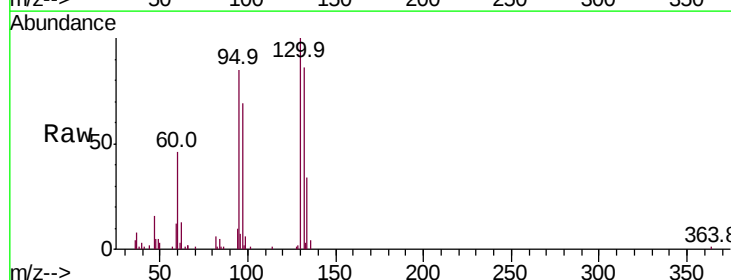


Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC

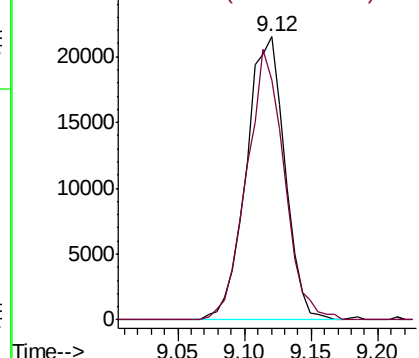
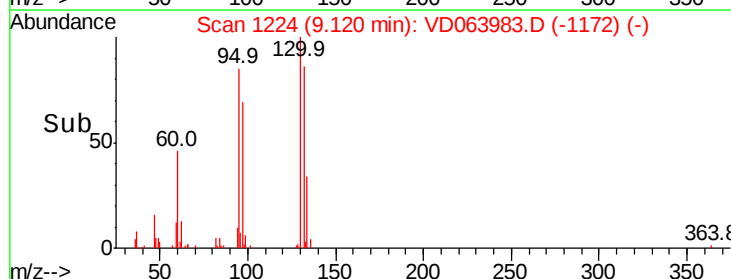


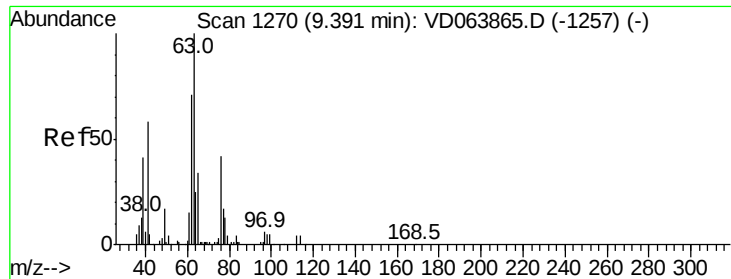
#44  
Trichloroethene  
Concen: 20.461 ug/l  
RT: 9.12 min Scan# 1224  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion:130 Resp: 42884  
Ion Ratio Lower Upper  
130 100  
95 84.9 0.0 175.6



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

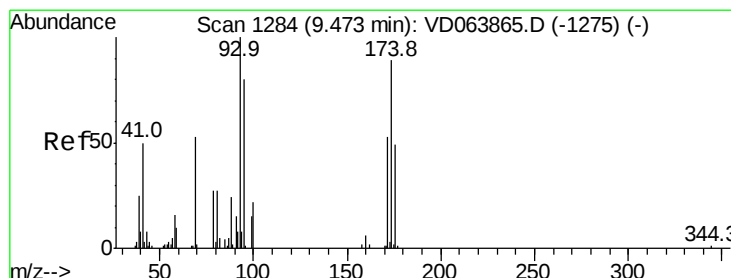
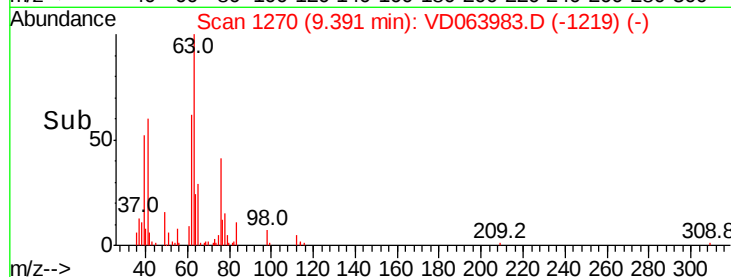
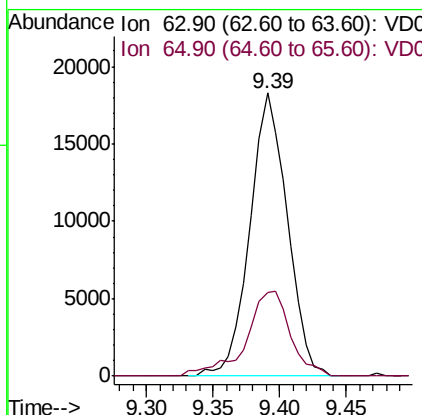
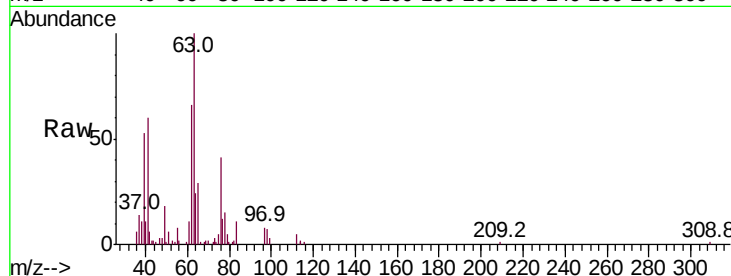




#45  
 1,2-Dichloropropane  
 Concen: 19.910 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

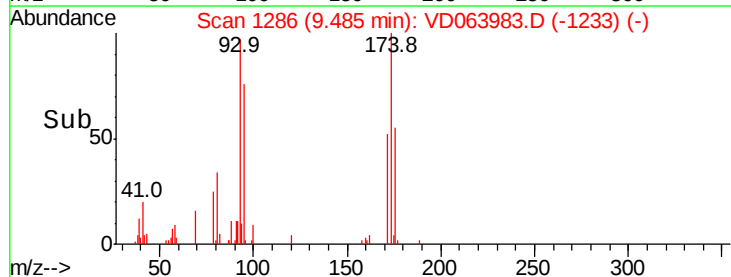
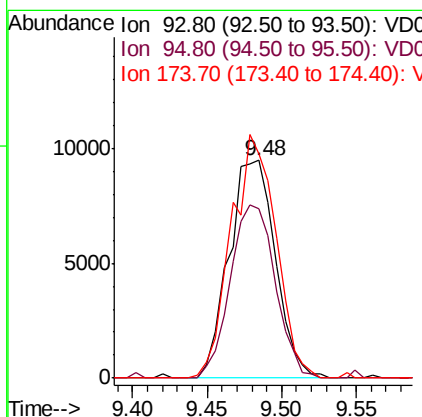
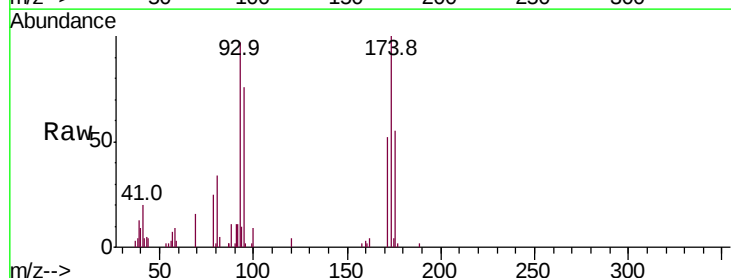
Instrument :  
 MSVOA\_D  
 ClientSampleId :

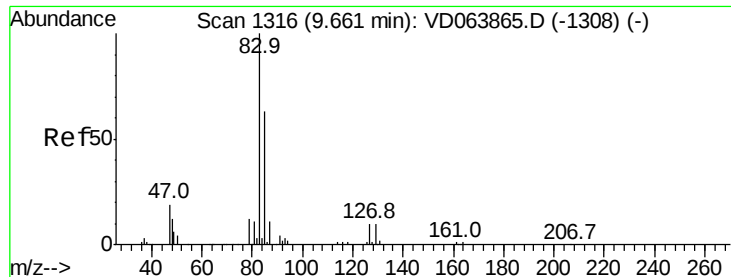
Tot Ion: 63 Resp: 35422  
 Ion Ratio Lower Upper  
 63 100  
 65 29.4 27.3 40.9



#46  
 Dibromomethane  
 Concen: 20.279 ug/l  
 RT: 9.48 min Scan# 1286  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Tgt Ion: 93 Resp: 20547  
 Ion Ratio Lower Upper  
 93 100  
 95 77.0 66.0 99.0  
 174 107.5 83.4 125.0





#47

Bromodichloromethane

Concen: 19.122 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

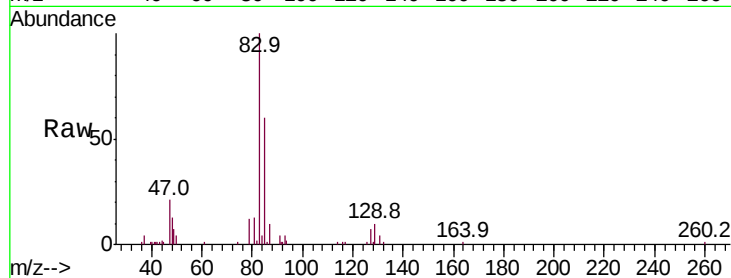
Tot Ion: 83 Resp: 49881

Ion Ratio Lower Upper

83 100

85 59.8 50.2 75.2

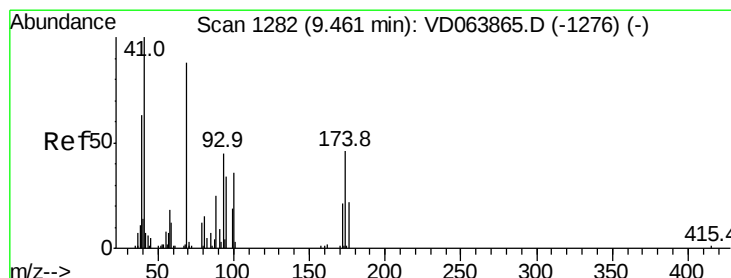
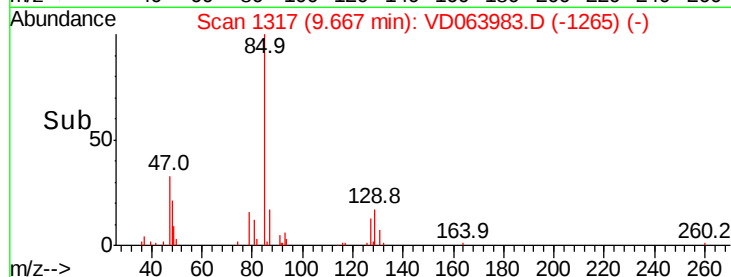
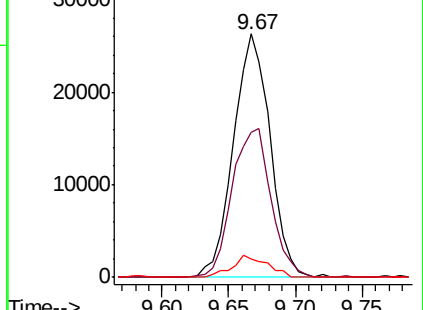
127 7.5 7.6 11.4#



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 17.578 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

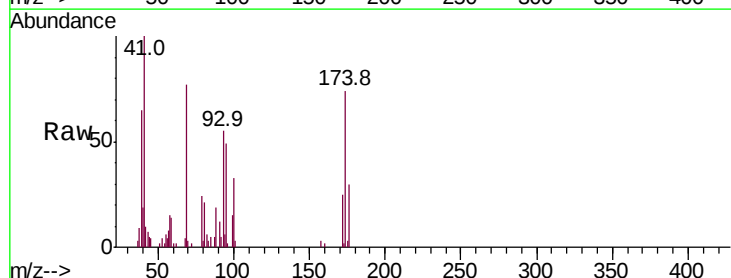
Tgt Ion: 41 Resp: 17915

Ion Ratio Lower Upper

41 100

69 99.5 75.1 112.7

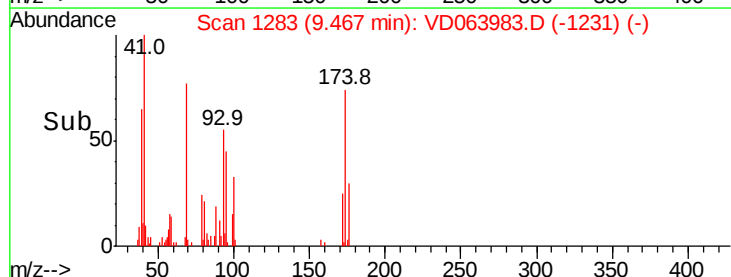
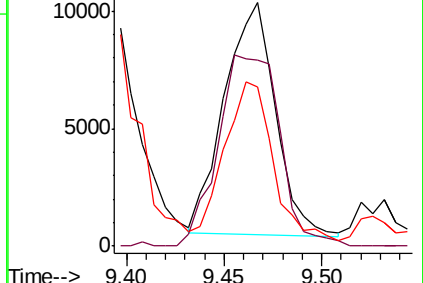
39 64.5 50.2 75.2

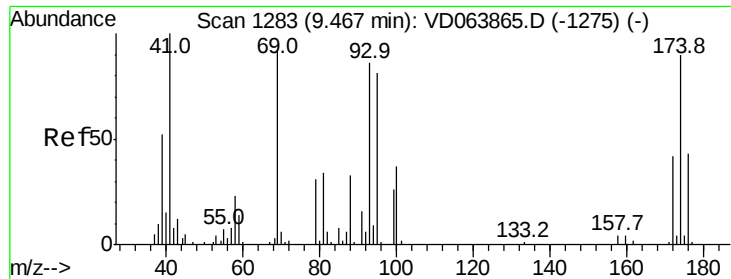


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

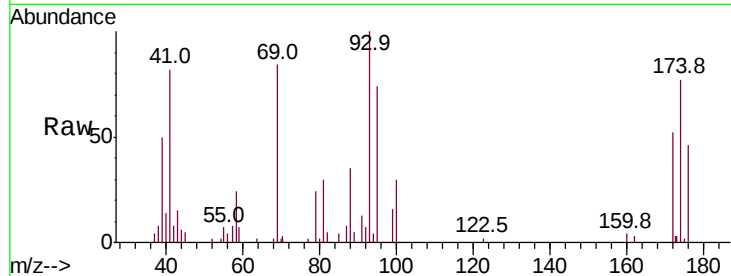




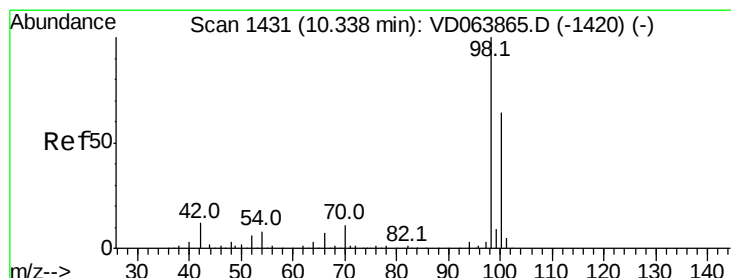
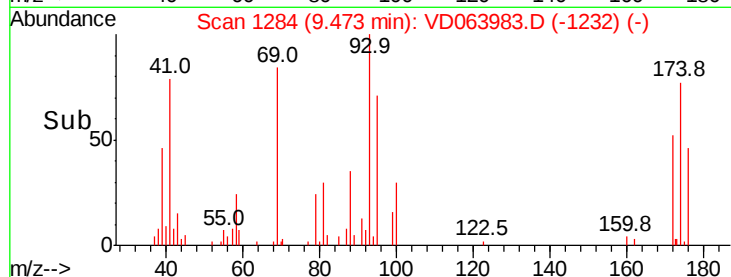
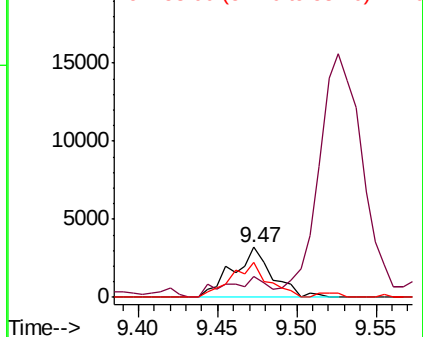
#49  
1,4-Dioxane  
Concen: 399.635 ug/l  
RT: 9.47 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 88 Resp: 5527  
Ion Ratio Lower Upper  
88 100  
43 42.1 27.6 41.4#  
58 65.8 54.1 81.1

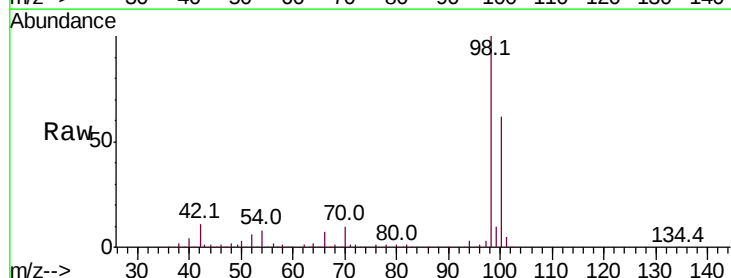


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC

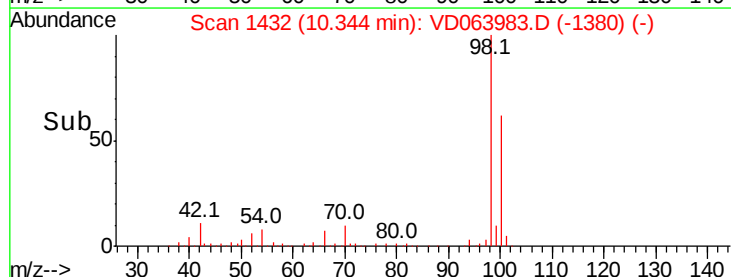
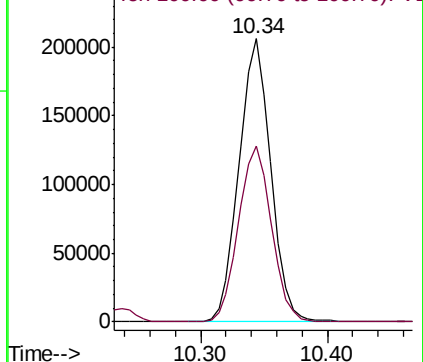


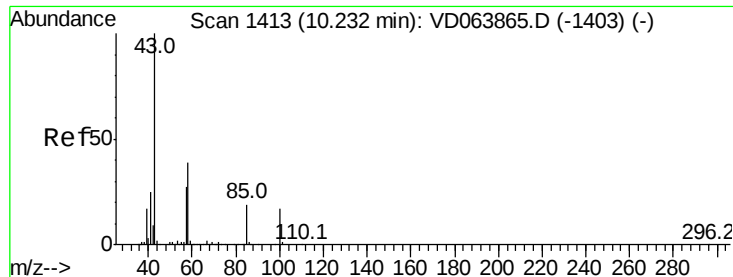
#50  
Toluene-d8  
Concen: 52.025 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 98 Resp: 357982  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 95.850 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

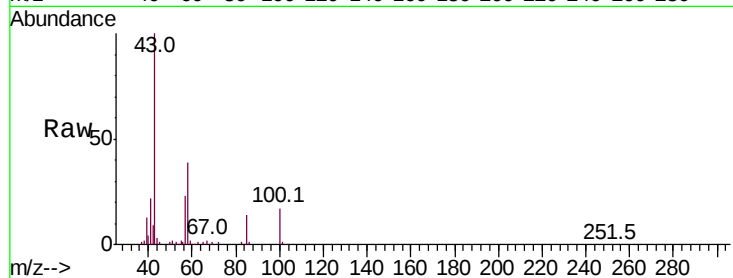
ClientSampleId :

Tot Ion: 43 Resp: 105737

Ion Ratio Lower Upper

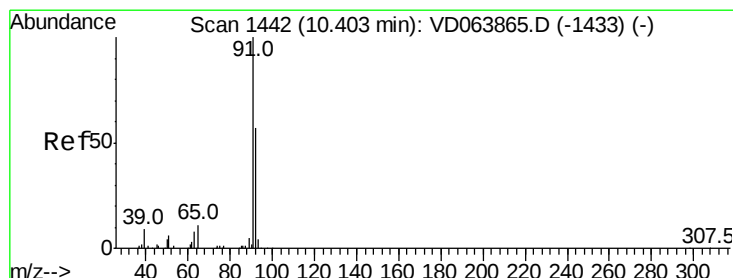
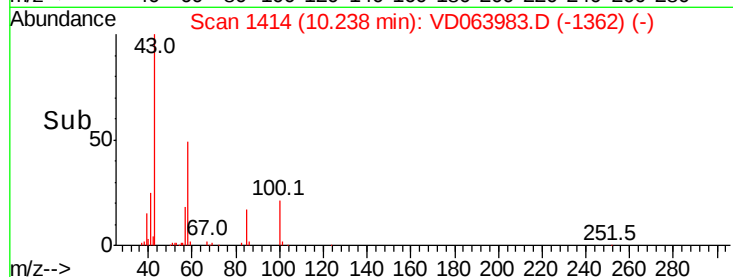
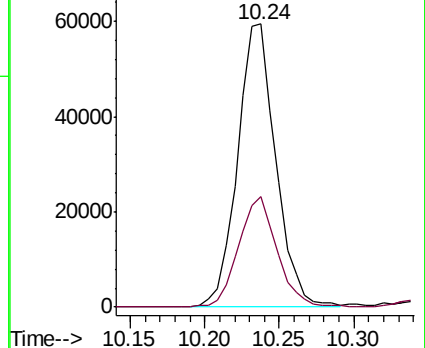
43 100

58 39.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.456 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063983.D

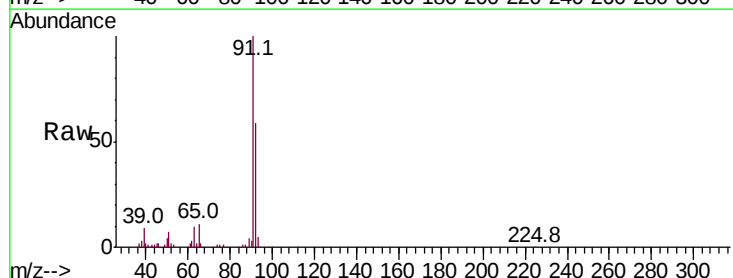
Acq: 16 Oct 2019 13:14

Tgt Ion: 92 Resp: 107056

Ion Ratio Lower Upper

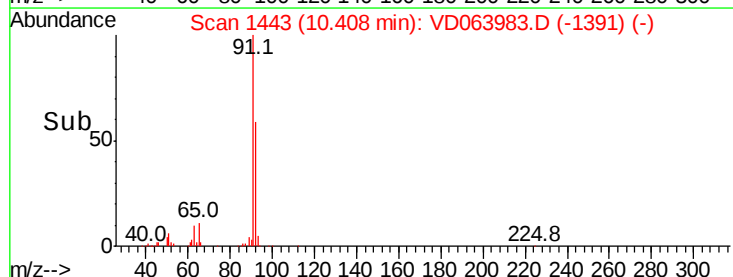
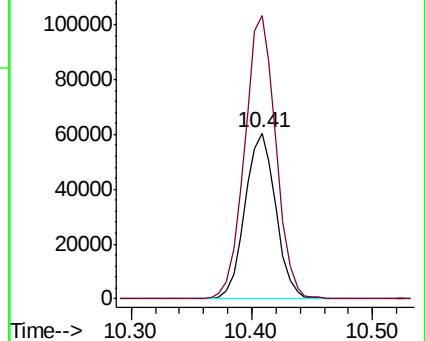
92 100

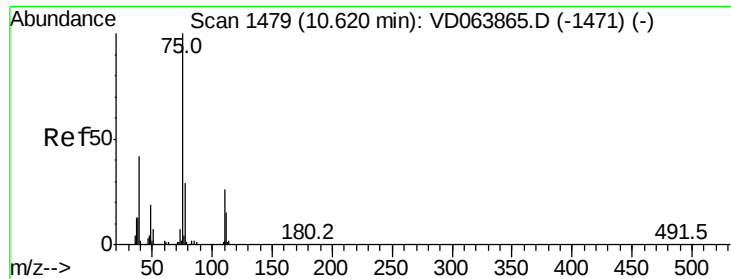
91 172.9 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.837 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

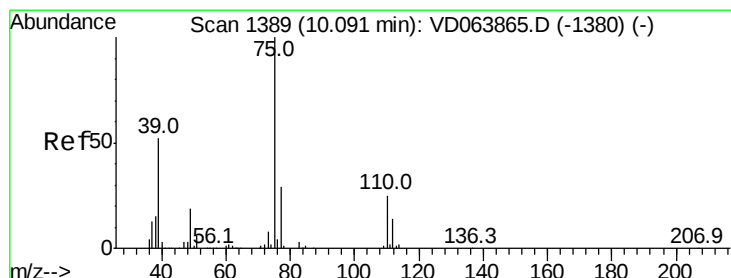
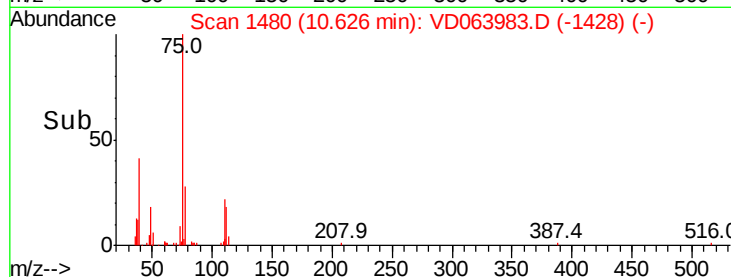
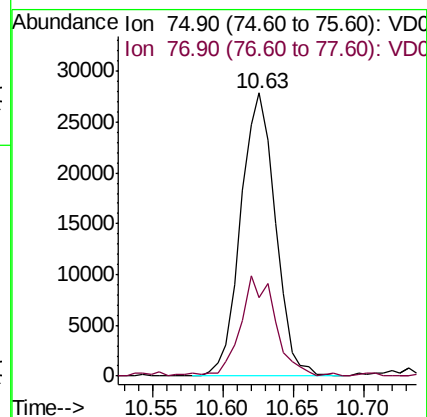
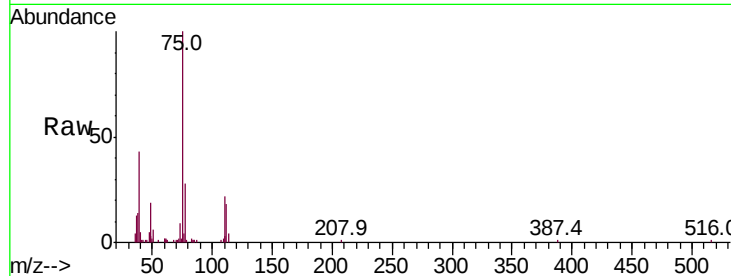
ClientSampled :

Tot Ion: 75 Resp: 47951

Ion Ratio Lower Upper

75 100

77 27.9 22.8 34.2



#54

cis-1,3-Dichloropropene

Concen: 19.289 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

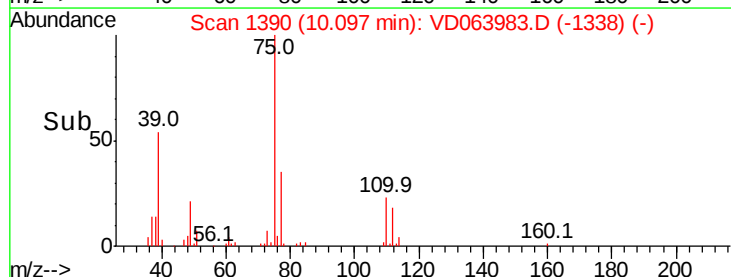
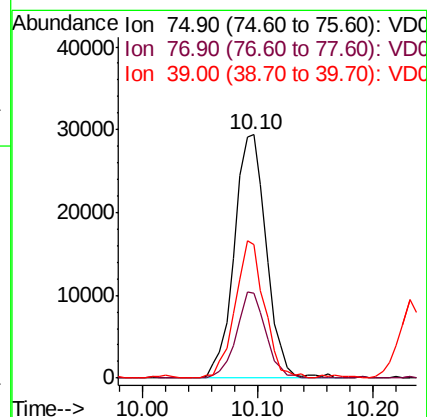
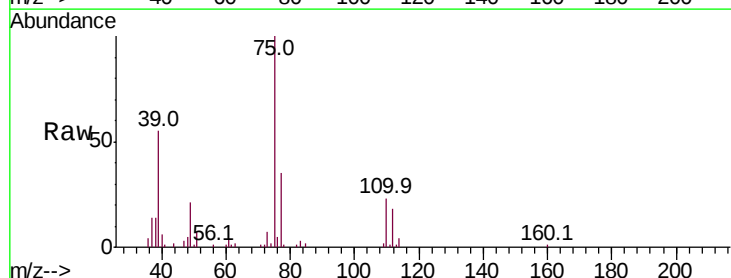
Tgt Ion: 75 Resp: 56519

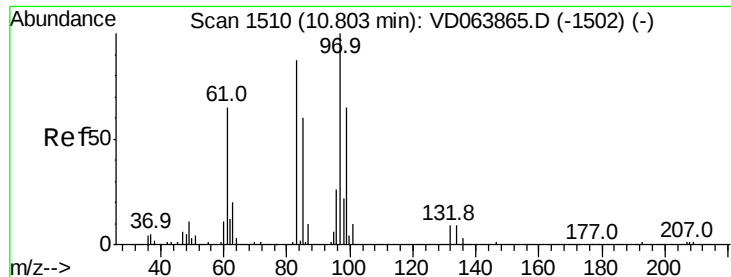
Ion Ratio Lower Upper

75 100

77 34.9 23.2 34.8#

39 54.7 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.369 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampled :

Tot Ion: 97 Resp: 29140

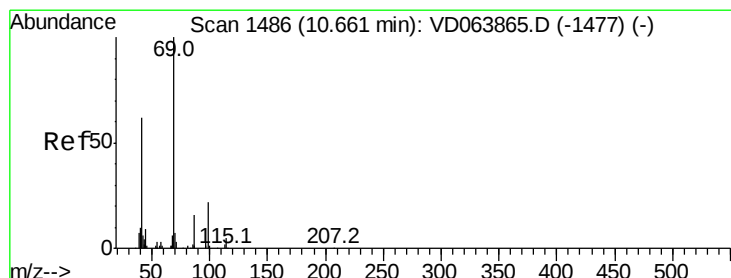
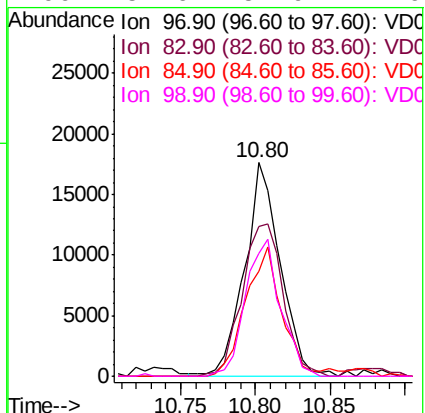
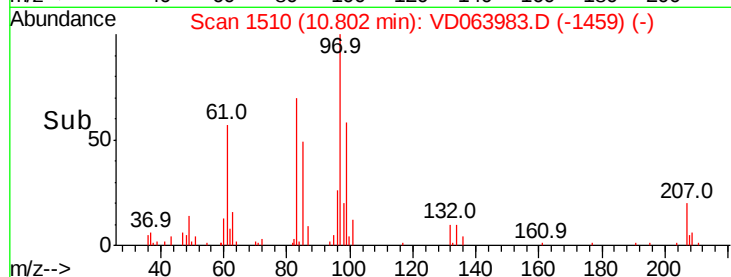
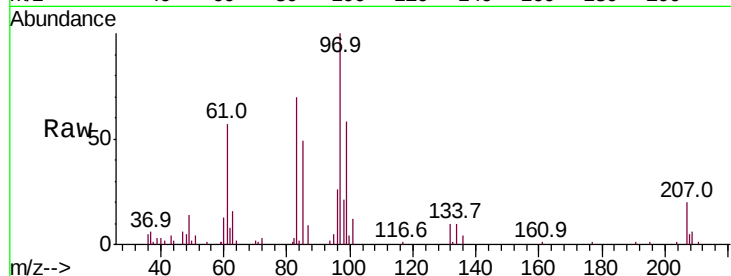
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 70.1  | 69.7  | 104.5 |
| 85  | 48.9  | 48.1  | 72.1  |
| 99  | 57.6  | 51.9  | 77.9  |

97 100

83 70.1 69.7 104.5

85 48.9 48.1 72.1

99 57.6 51.9 77.9



#56

Ethyl methacrylate

Concen: 18.390 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

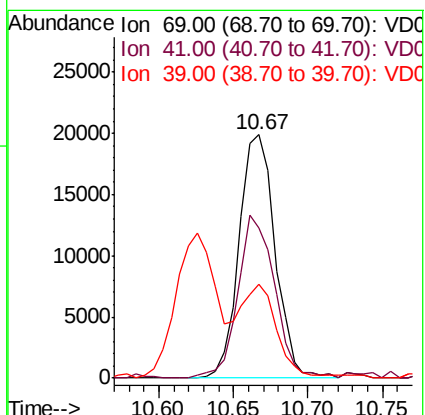
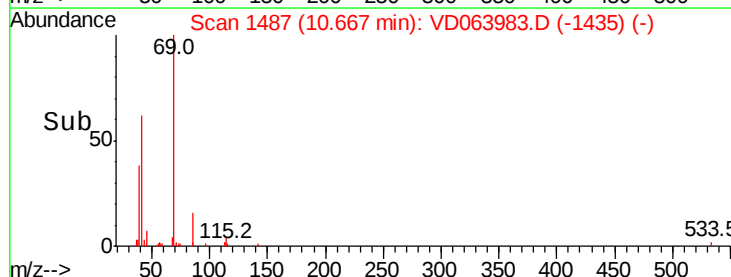
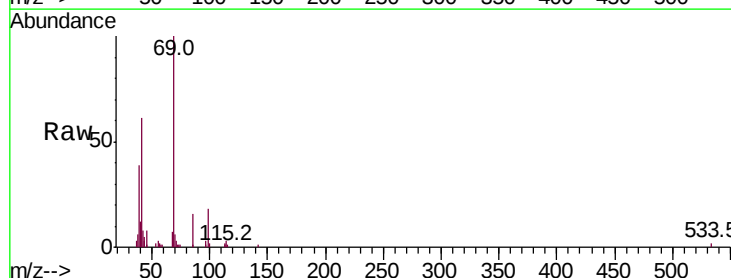
Tgt Ion: 69 Resp: 33317

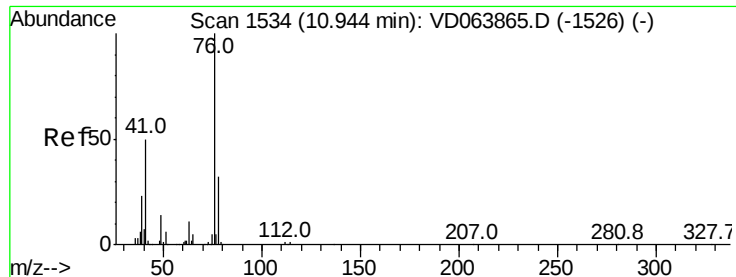
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.1  | 51.3  | 76.9  |
| 39  | 38.0  | 28.0  | 42.0  |

69 100

41 68.1 51.3 76.9

39 38.0 28.0 42.0





#57

1,3-Dichloropropane

Concen: 20.537 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

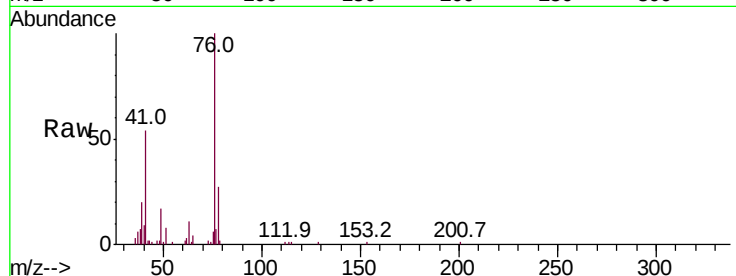
ClientSampleId :

Tot Ion: 76 Resp: 50269

Ion Ratio Lower Upper

76 100

78 28.4 26.6 40.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

30000

20000

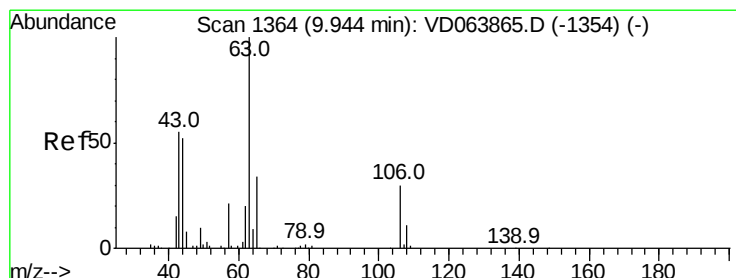
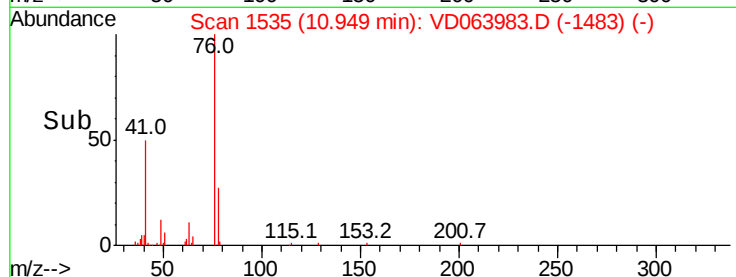
10000

0

Time-->

10.90

11.00



#58

2-Chloroethyl Vinyl ether

Concen: 99.157 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063983.D

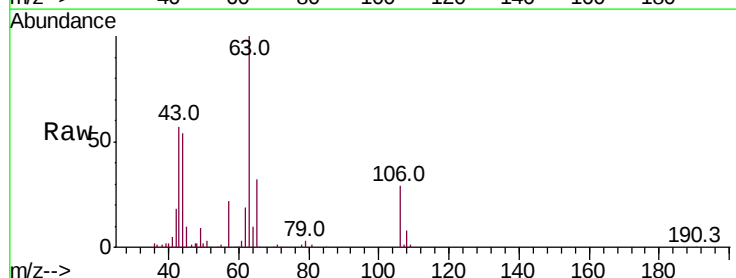
Acq: 16 Oct 2019 13:14

Tgt Ion: 63 Resp: 77215

Ion Ratio Lower Upper

63 100

106 30.5 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

50000

40000

30000

20000

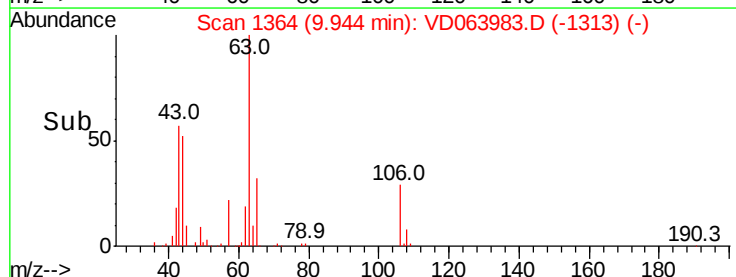
10000

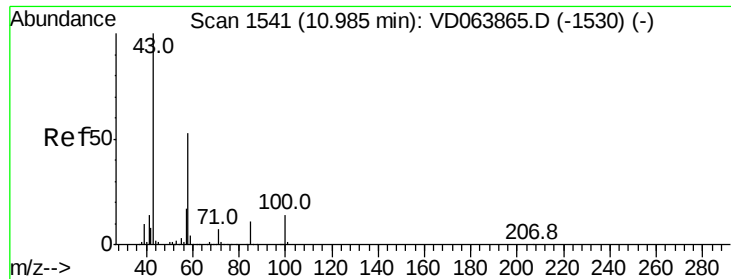
0

Time-->

9.90

10.00

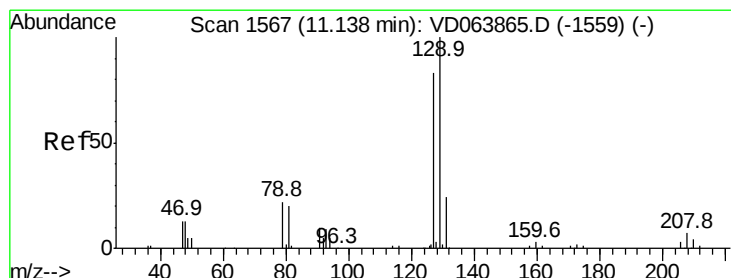
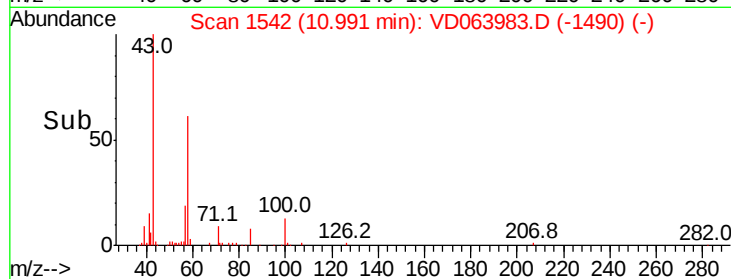
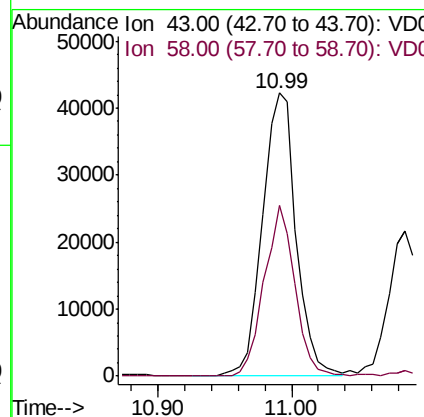
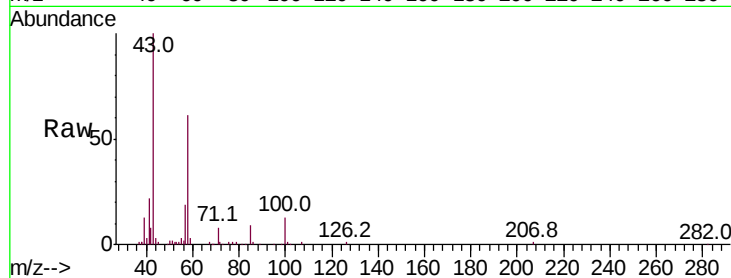




#59  
2-Hexanone  
Concen: 92.251 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

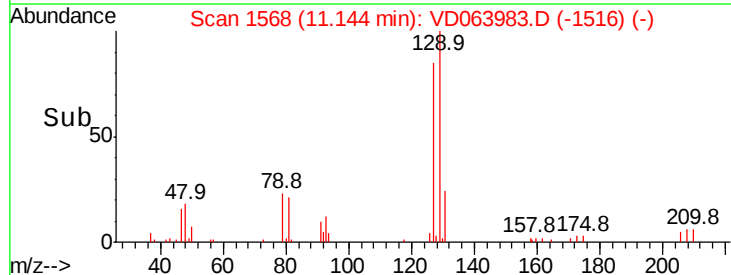
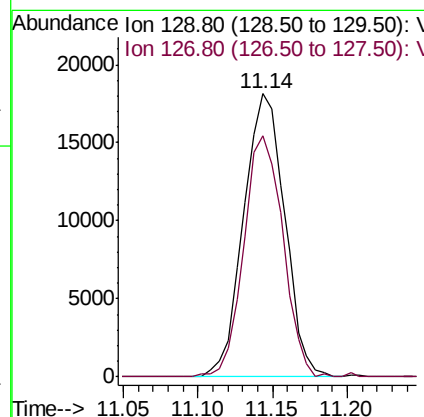
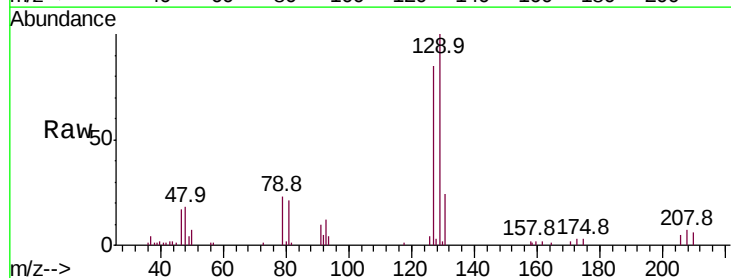
Instrument :  
MSVOA\_D  
ClientSampleId :

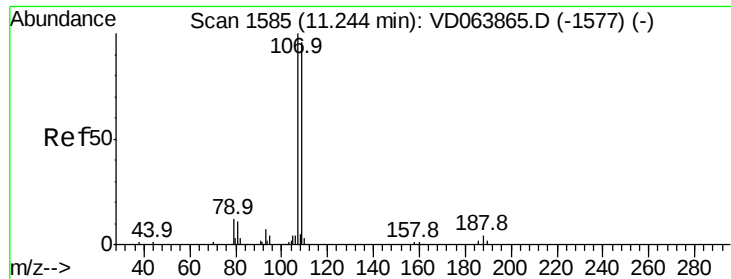
Tot Ion: 43 Resp: 73615  
Ion Ratio Lower Upper  
43 100  
58 55.0 27.7 83.0



#60  
Dibromochloromethane  
Concen: 18.612 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion: 129 Resp: 34664  
Ion Ratio Lower Upper  
129 100  
127 80.6 39.9 119.6

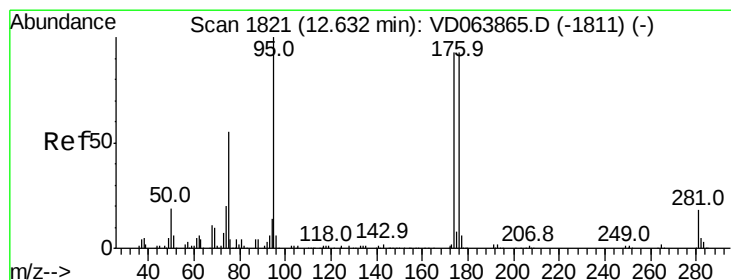
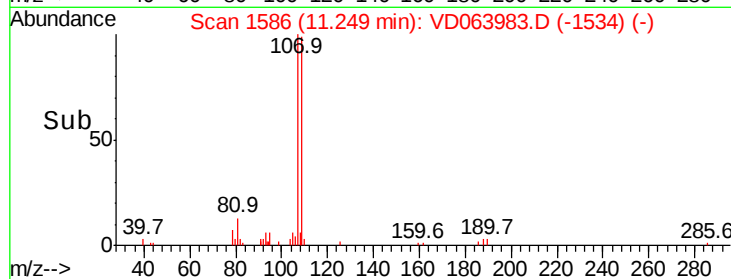
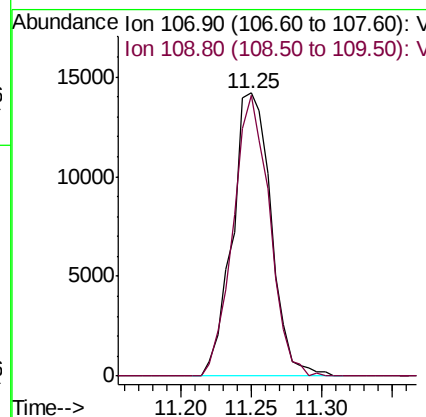
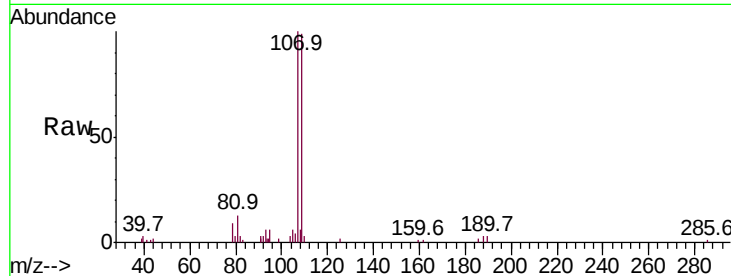




#61  
 1,2-Dibromoethane  
 Concen: 19.517 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

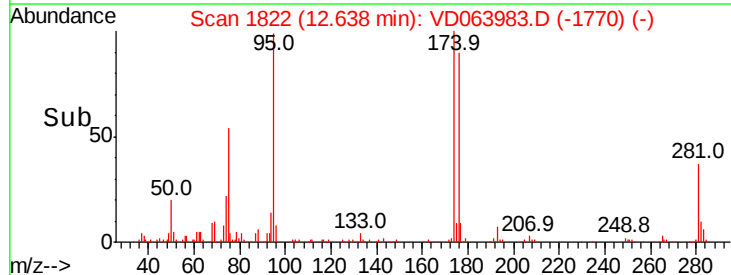
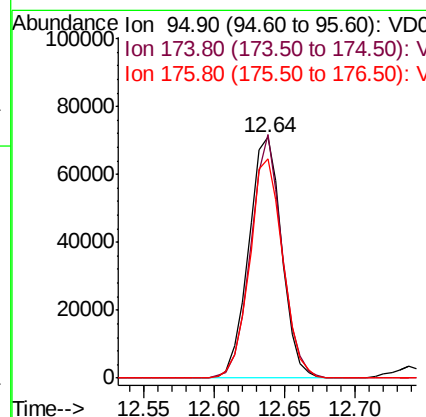
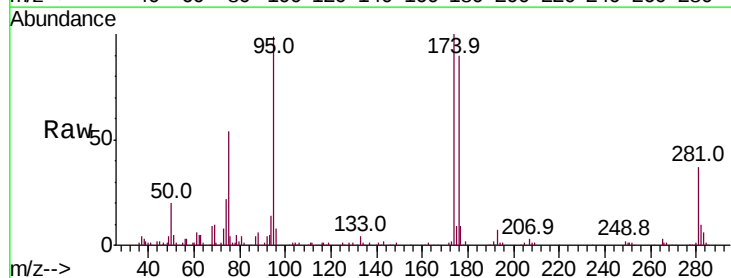
Instrument :  
 MSVOA\_D  
 ClientSampleId :

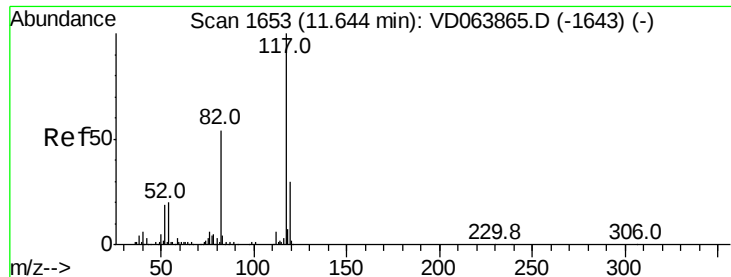
Tot Ion:107 Resp: 27068  
 Ion Ratio Lower Upper  
 107 100  
 109 93.6 75.2 112.8



#62  
 4-Bromofluorobenzene  
 Concen: 48.586 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Tgt Ion: 95 Resp: 116176  
 Ion Ratio Lower Upper  
 95 100  
 174 95.5 0.0 186.4  
 176 91.7 0.0 184.2

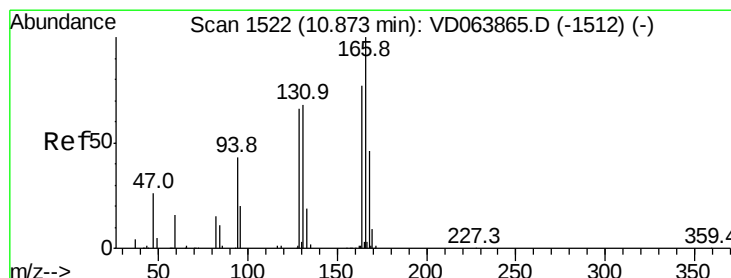
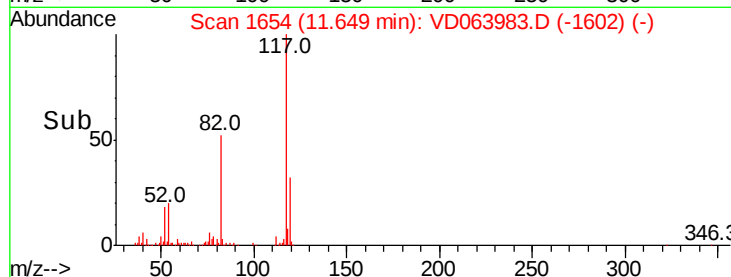
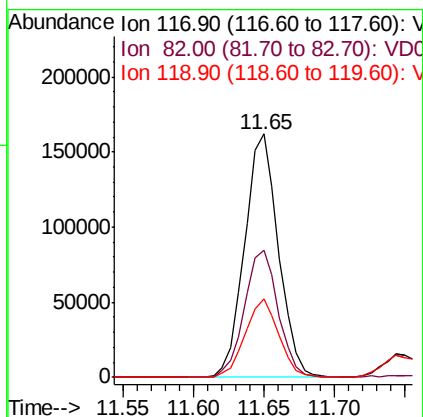
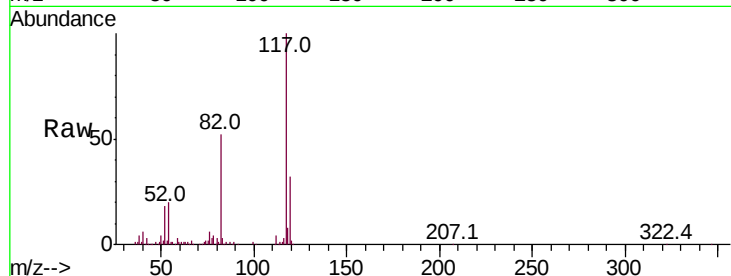




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

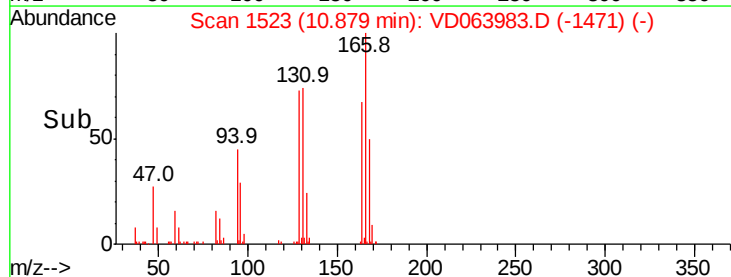
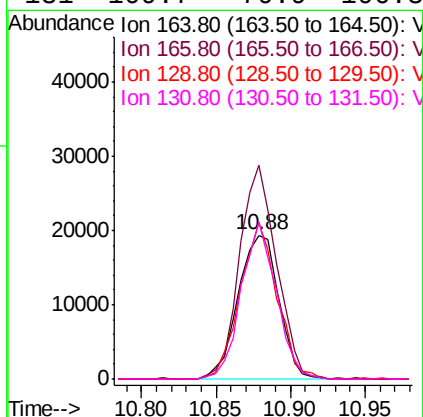
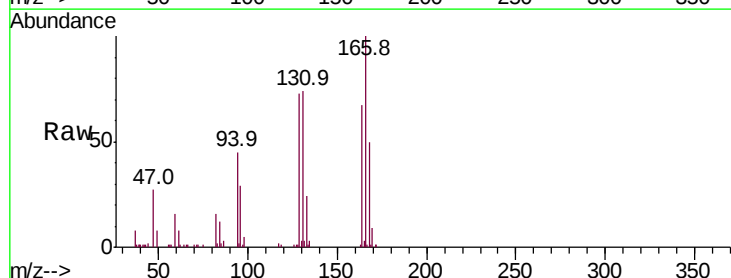
Instrument :  
MSVOA\_D  
ClientSampleId :

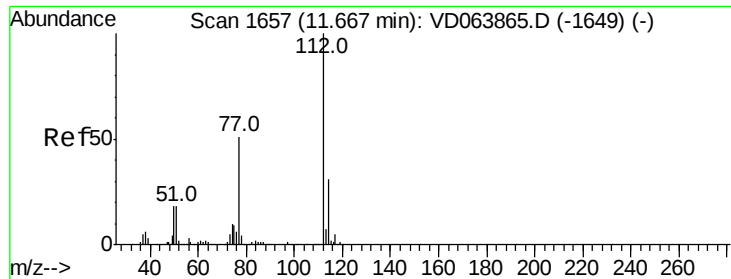
Tot Ion:117 Resp: 272254  
Ion Ratio Lower Upper  
117 100  
82 52.0 42.8 64.2  
119 32.3 24.4 36.6



#64  
Tetrachloroethene  
Concen: 19.696 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion:164 Resp: 36607  
Ion Ratio Lower Upper  
164 100  
166 148.7 103.8 155.6  
129 108.9 68.9 103.3#  
131 109.7 70.9 106.3#





#65

Chlorobenzene

Concen: 21.000 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

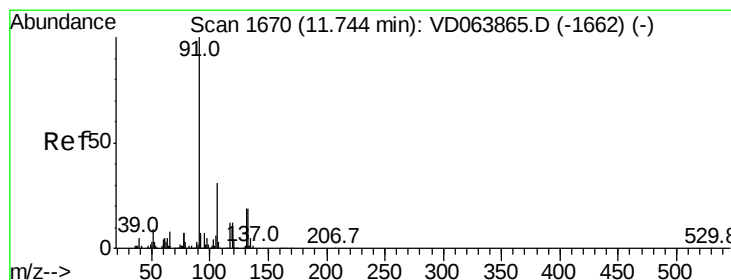
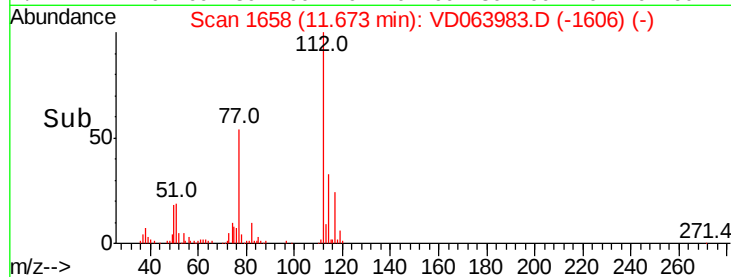
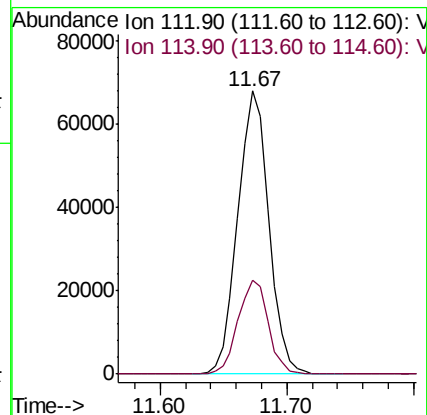
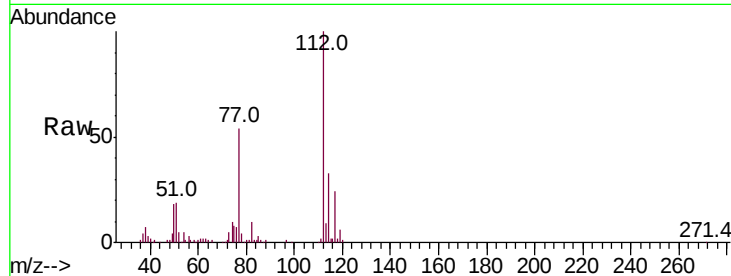
ClientSampleId :

Tot Ion:112 Resp: 114820

Ion Ratio Lower Upper

112 100

114 33.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 19.972 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

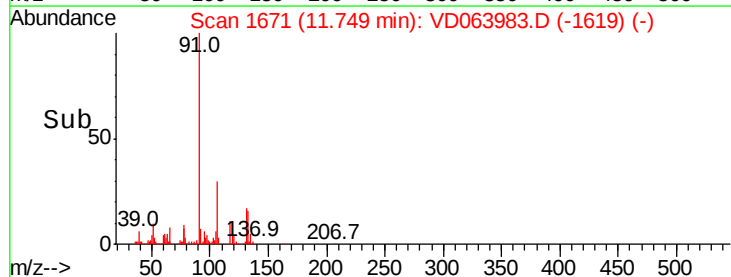
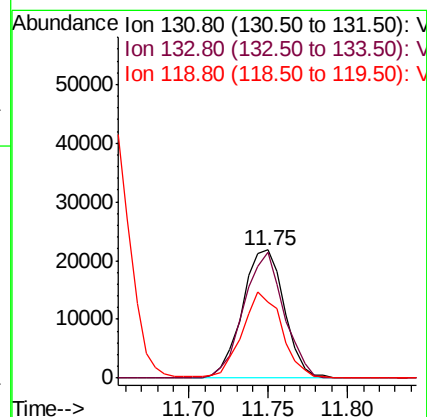
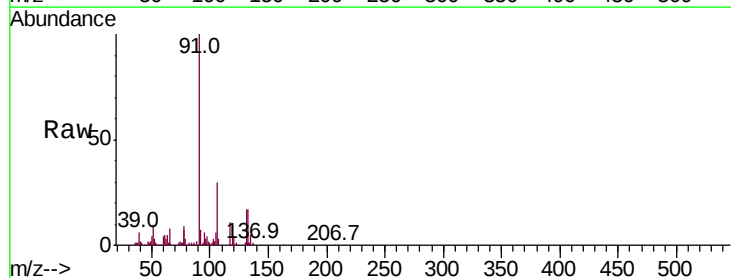
Tgt Ion:131 Resp: 40237

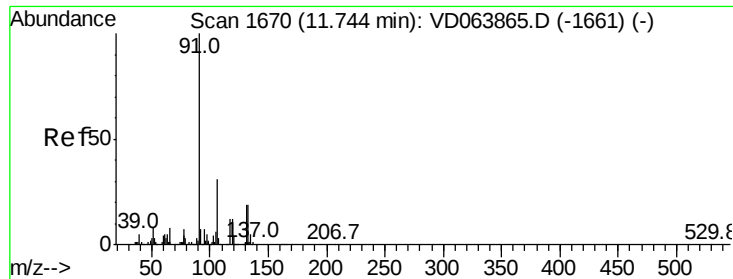
Ion Ratio Lower Upper

131 100

133 93.6 48.9 146.7

119 64.0 32.6 97.8





#67

Ethyl Benzene

Concen: 21.367 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

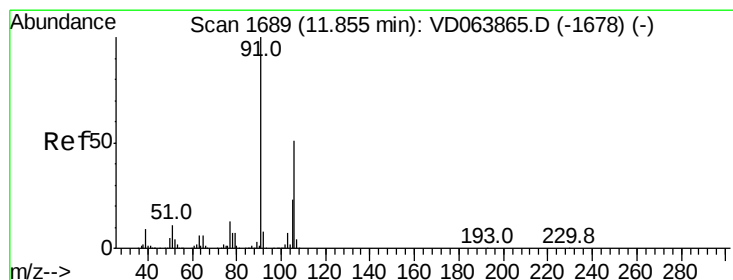
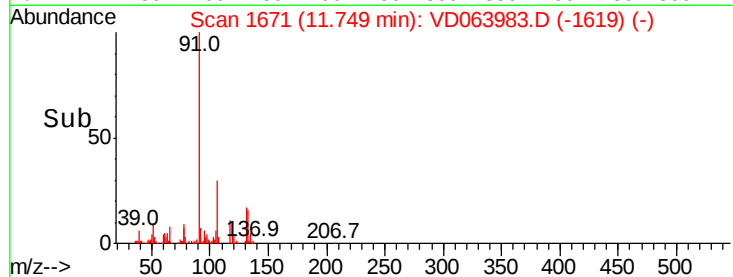
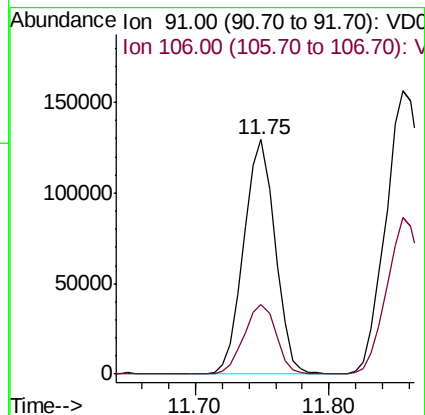
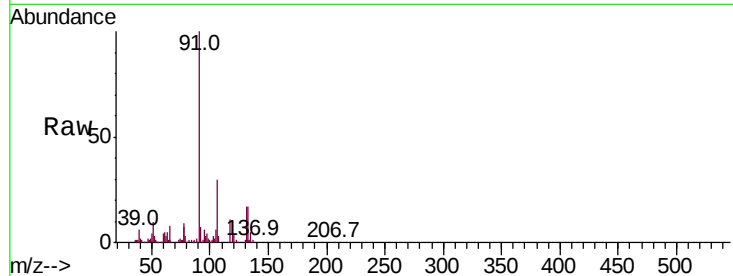
ClientSampleId :

Tot Ion: 91 Resp: 210660

Ion Ratio Lower Upper

91 100

106 29.7 24.6 37.0



#68

m/p-Xylenes

Concen: 42.918 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063983.D

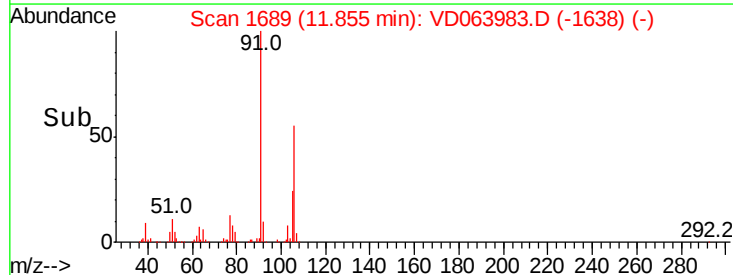
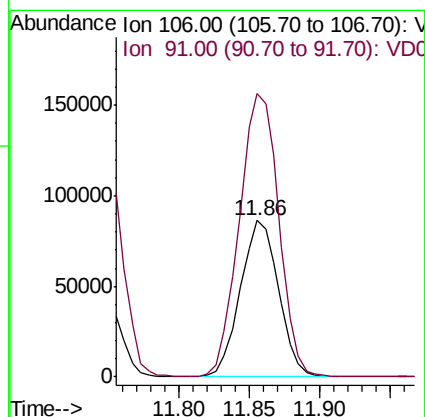
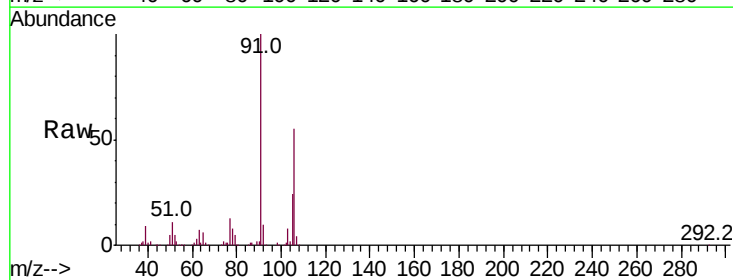
Acq: 16 Oct 2019 13:14

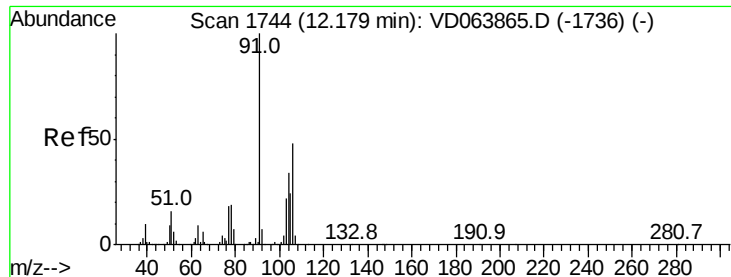
Tgt Ion: 106 Resp: 163321

Ion Ratio Lower Upper

106 100

91 187.9 154.8 232.2

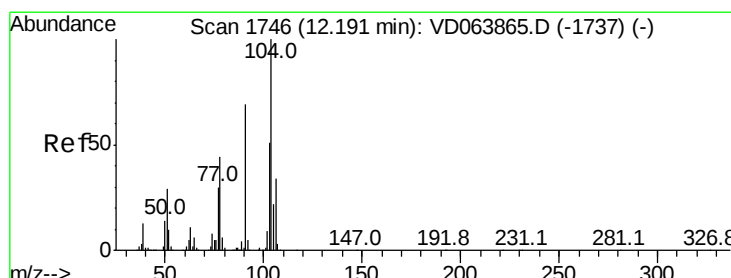
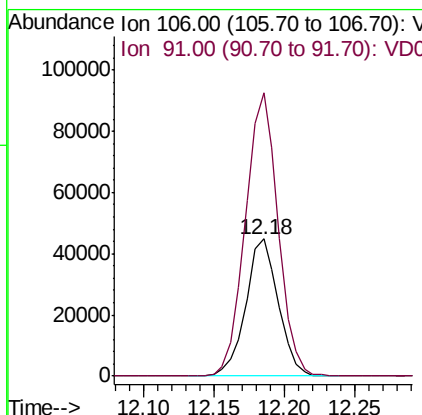
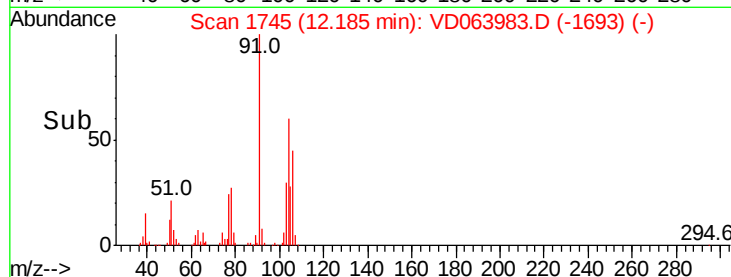
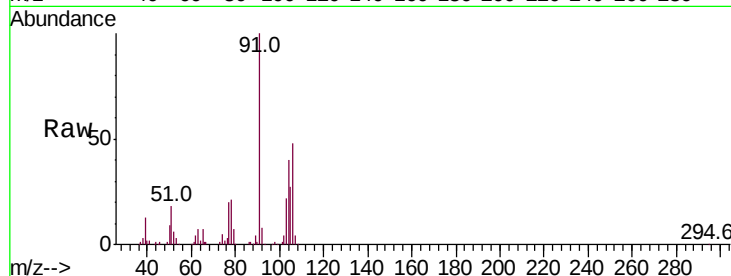




#69  
o-Xylene  
Concen: 19.895 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

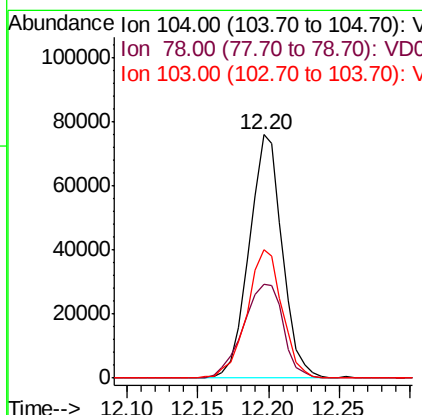
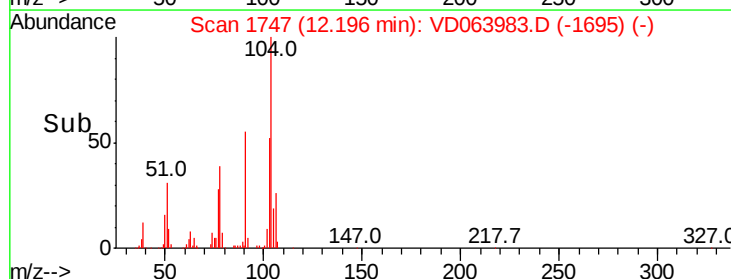
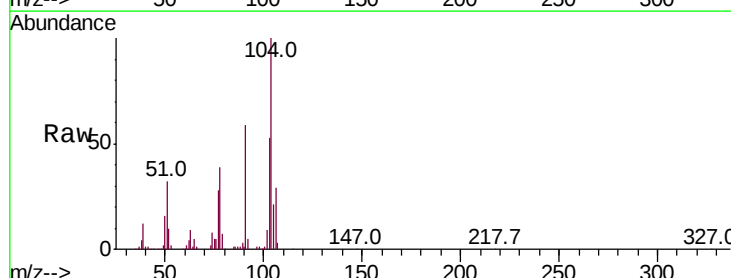
Instrument :  
MSVOA\_D  
ClientSampled :

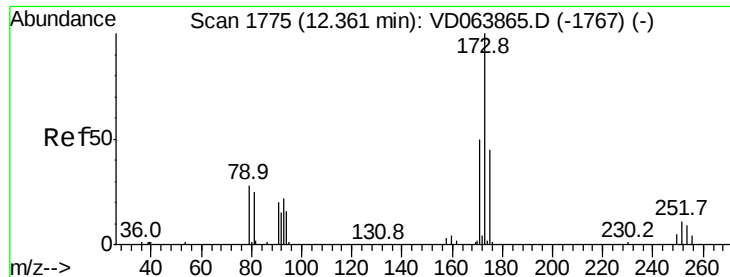
Tot Ion:106 Resp: 72495  
Ion Ratio Lower Upper  
106 100  
91 207.2 103.9 311.7



#70  
Styrene  
Concen: 20.291 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion:104 Resp: 125163  
Ion Ratio Lower Upper  
104 100  
78 46.4 37.0 55.4  
103 56.4 44.2 66.4





#71

Bromoform

Concen: 19.717 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

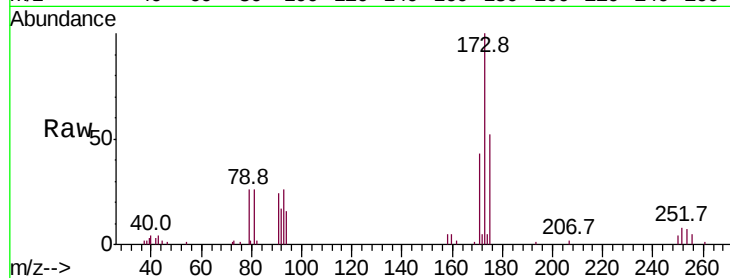
Tot Ion:173 Resp: 21318

Ion Ratio Lower Upper

173 100

175 48.2 24.6 74.0

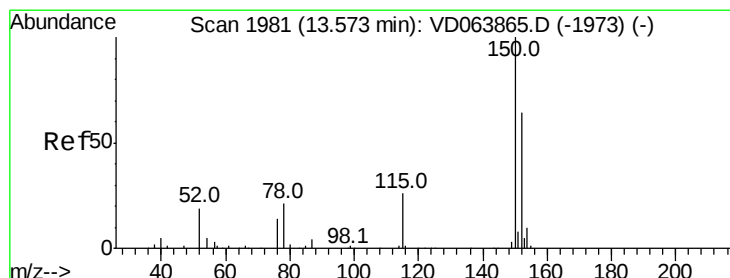
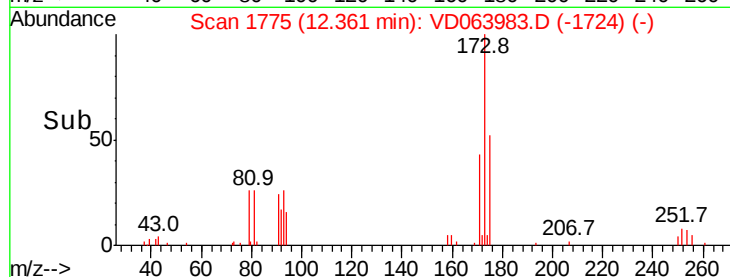
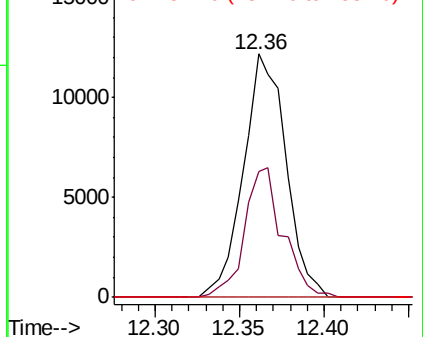
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

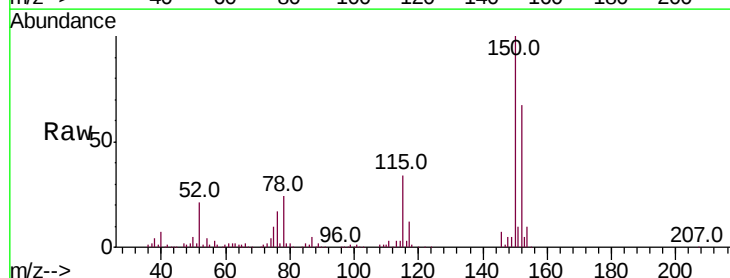
Tgt Ion:152 Resp: 141154

Ion Ratio Lower Upper

152 100

115 55.9 25.9 77.7

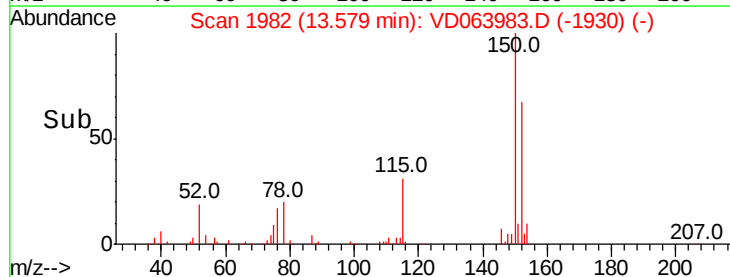
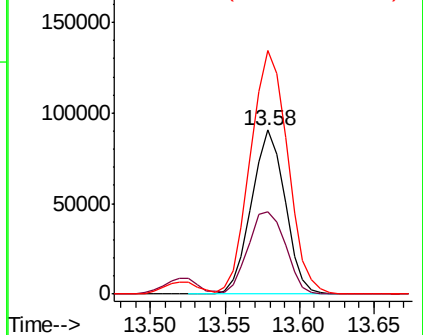
150 165.1 0.0 344.2

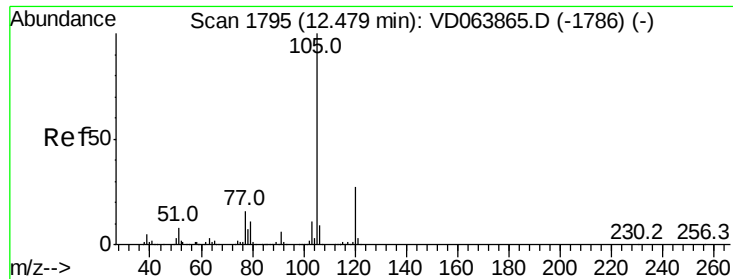


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.455 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

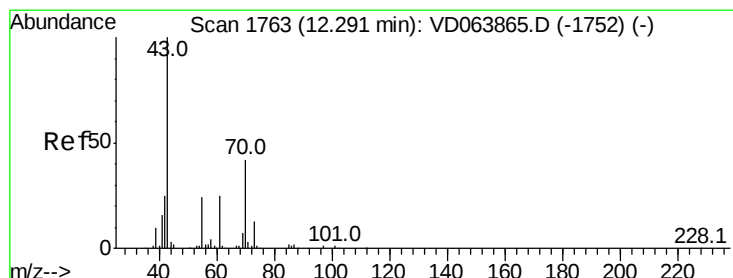
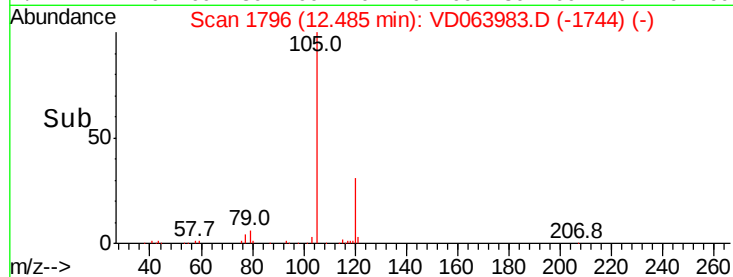
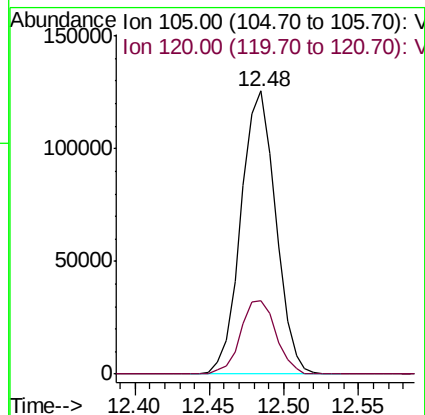
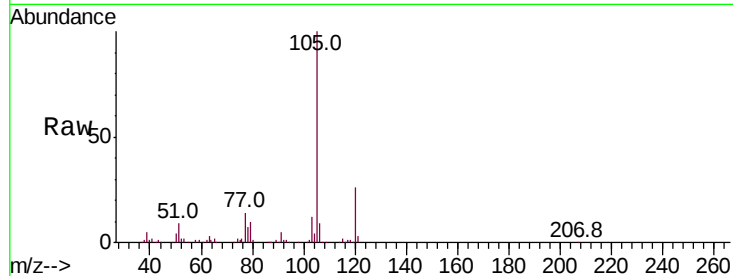
ClientSampled :

Tot Ion:105 Resp: 203591

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 18.060 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 36896

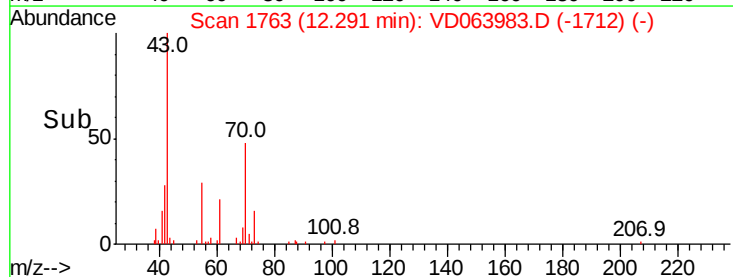
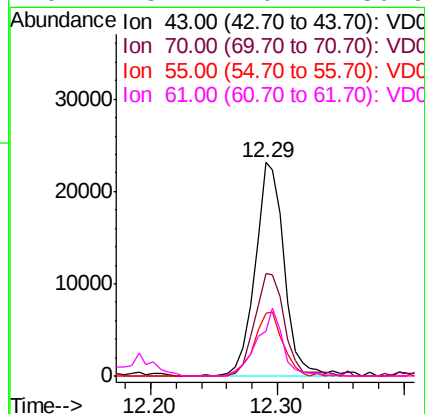
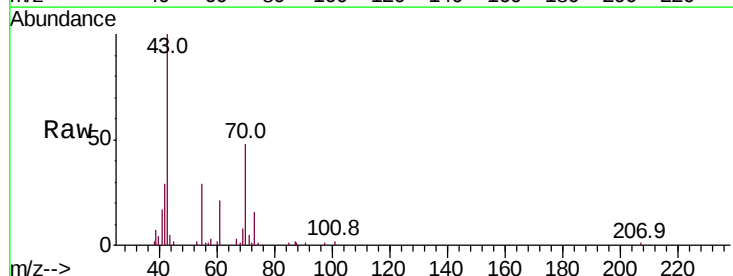
Ion Ratio Lower Upper

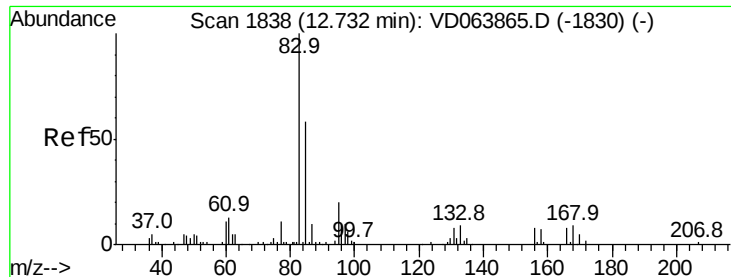
43 100

70 48.2 35.8 53.6

55 29.4 19.4 29.0#

61 28.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.515 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

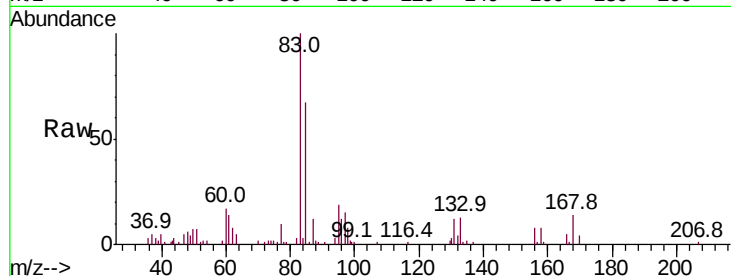
Tot Ion: 83 Resp: 32223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 12.0  | 5.6   | 16.8  |
| 85  | 67.5  | 32.3  | 96.8  |

83 100

131 12.0 5.6 16.8

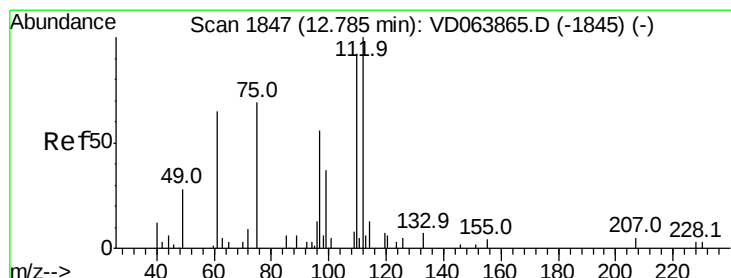
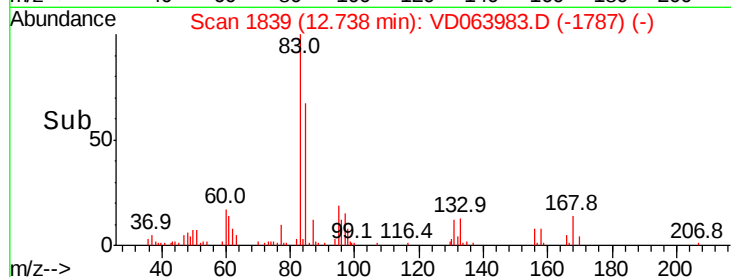
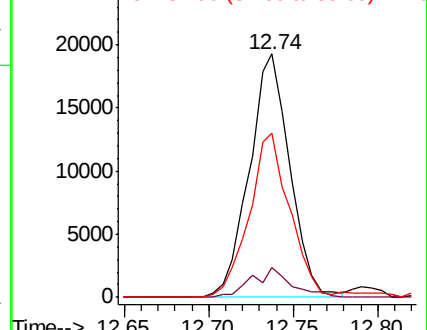
85 67.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 44.150 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063983.D

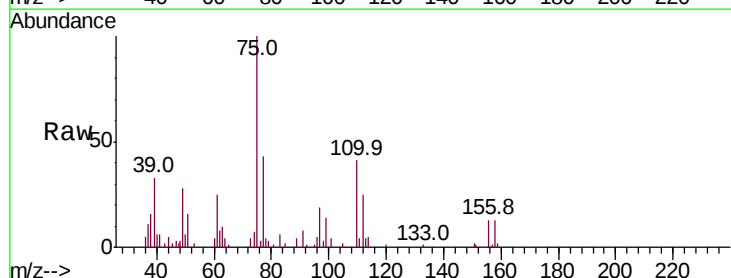
Acq: 16 Oct 2019 13:14

Tgt Ion: 75 Resp: 41740

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |

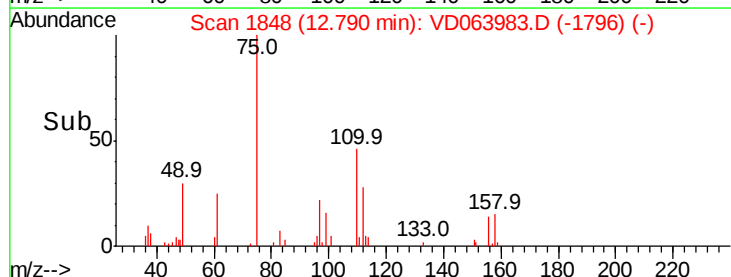
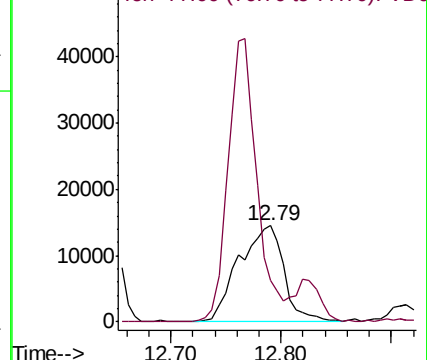
75 100

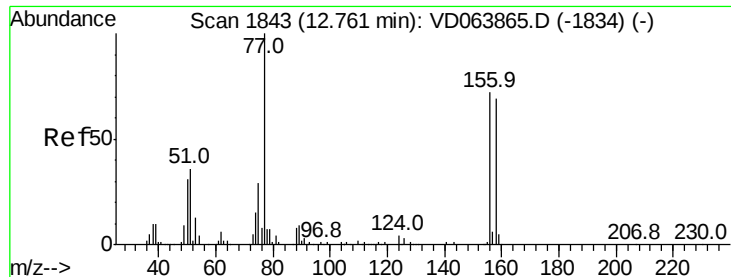
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.325 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

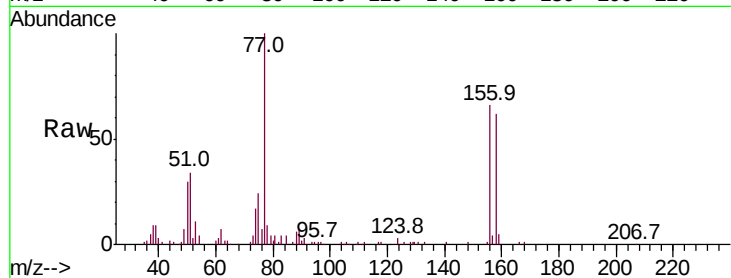
Tot Ion:156 Resp: 48050

Ion Ratio Lower Upper

156 100

77 162.3 80.3 241.0

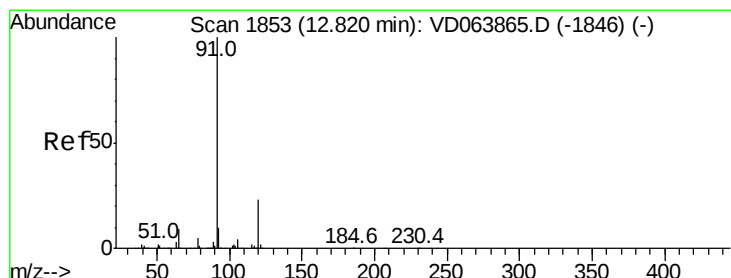
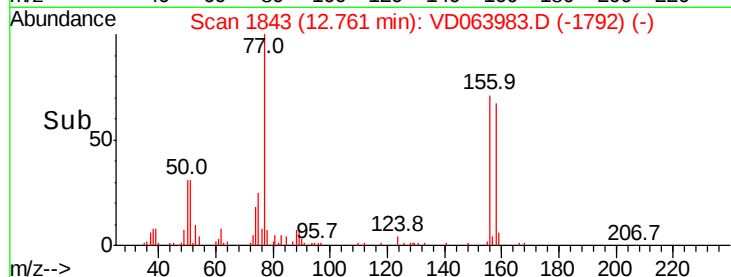
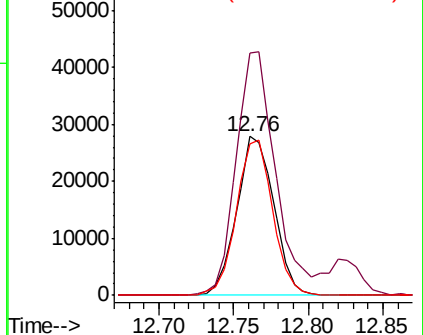
158 95.4 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.251 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD063983.D

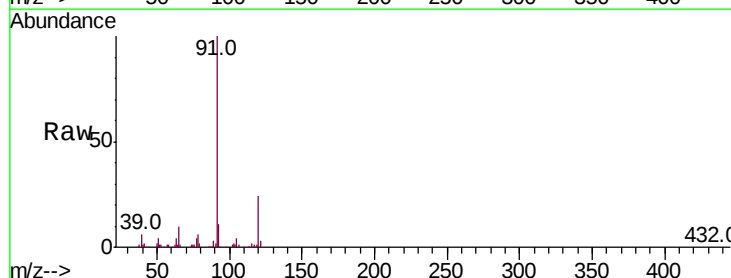
Acq: 16 Oct 2019 13:14

Tgt Ion: 91 Resp: 247830

Ion Ratio Lower Upper

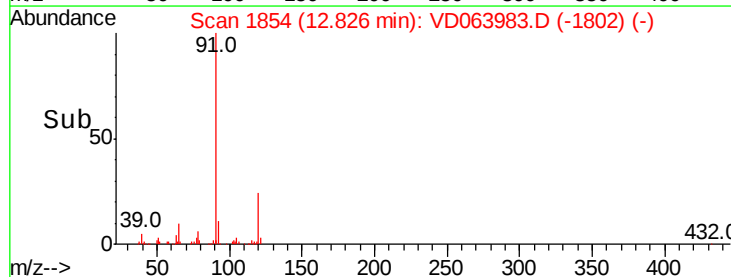
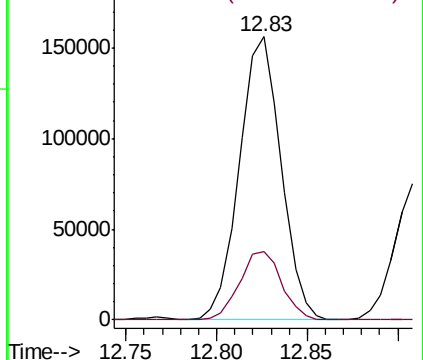
91 100

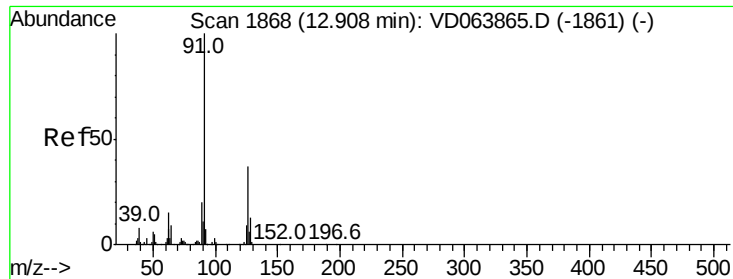
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.304 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

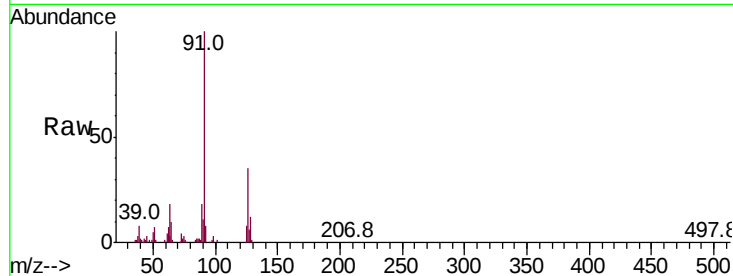
ClientSampleId :

Tot Ion: 91 Resp: 130840

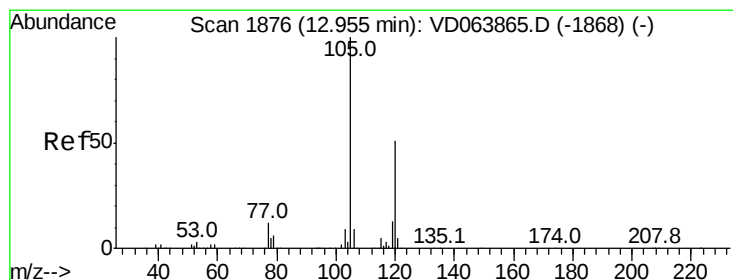
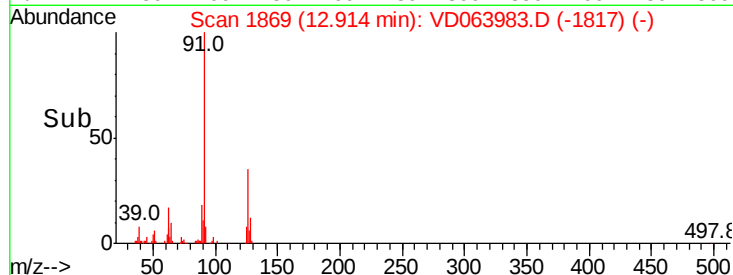
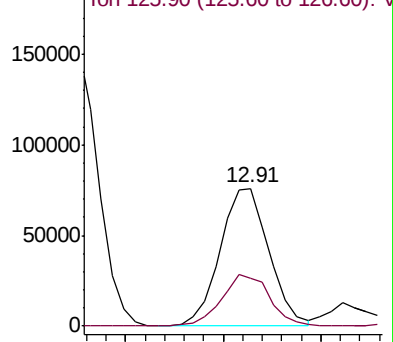
Ion Ratio Lower Upper

91 100

126 37.3 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.905 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063983.D

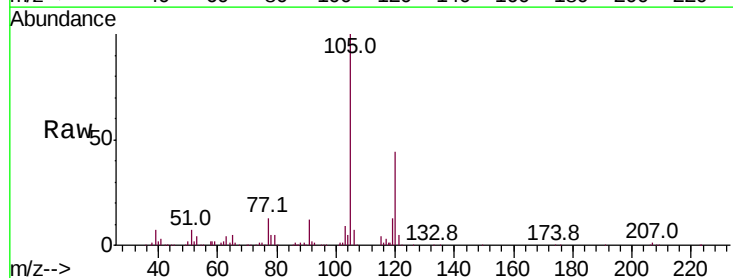
Acq: 16 Oct 2019 13:14

Tgt Ion: 105 Resp: 173415

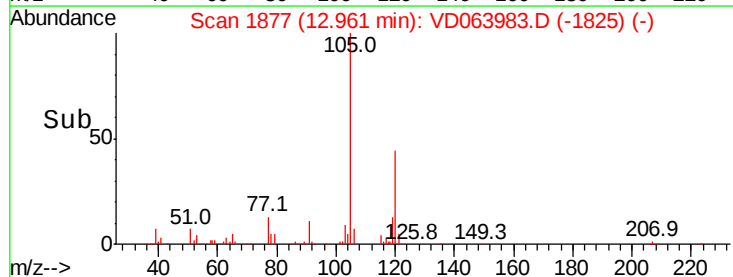
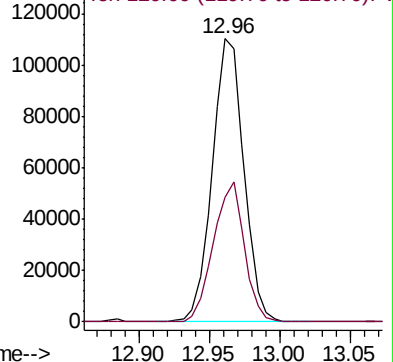
Ion Ratio Lower Upper

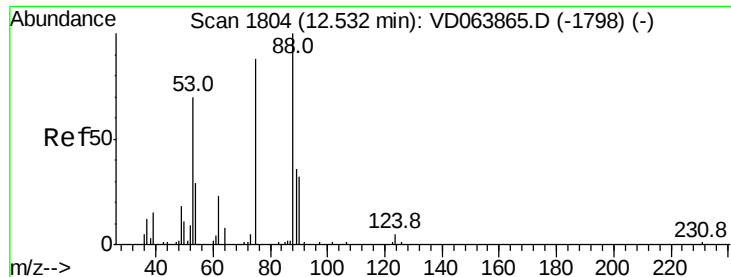
105 100

120 48.2 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.883 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

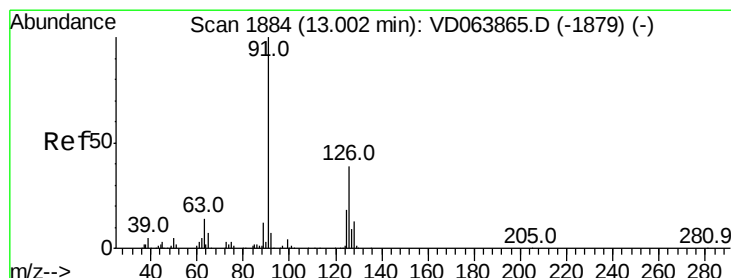
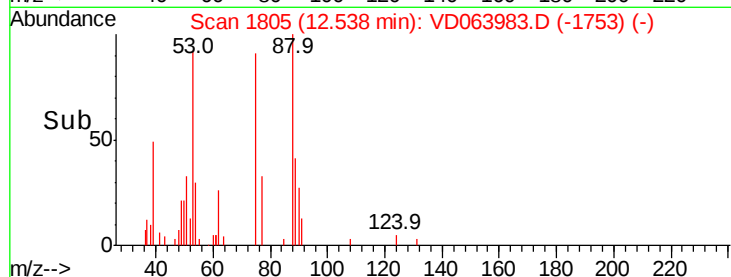
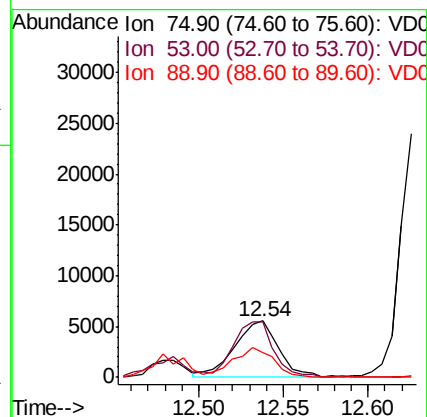
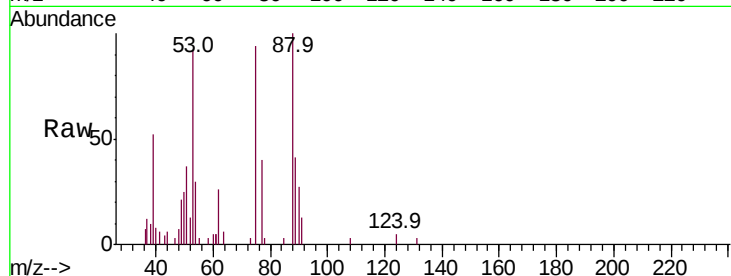
Tot Ion: 75 Resp: 10088

Ion Ratio Lower Upper

75 100

53 88.4 75.0 112.6

89 48.8 38.2 57.4



#82

4-Chlorotoluene

Concen: 21.438 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063983.D

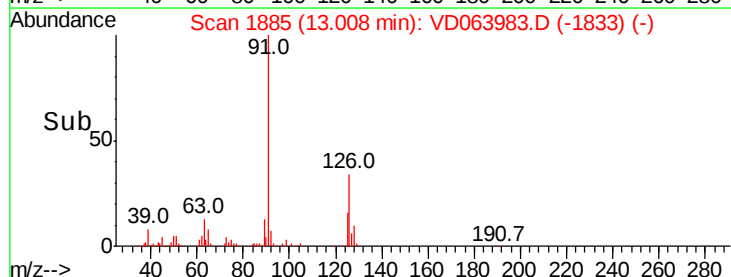
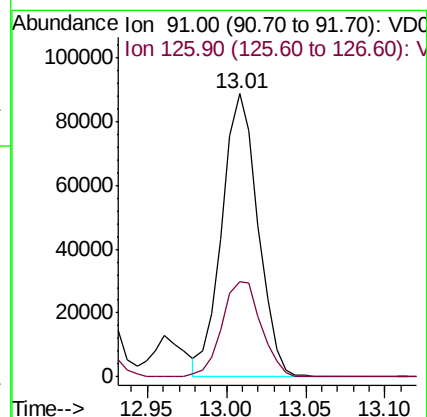
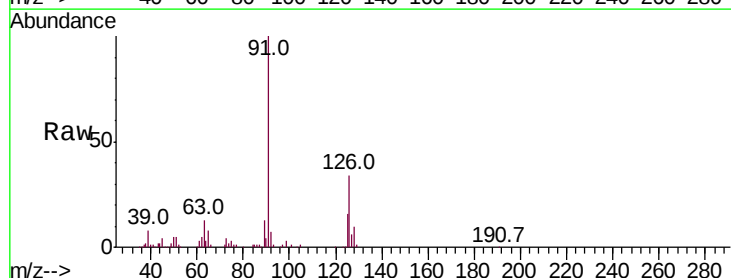
Acq: 16 Oct 2019 13:14

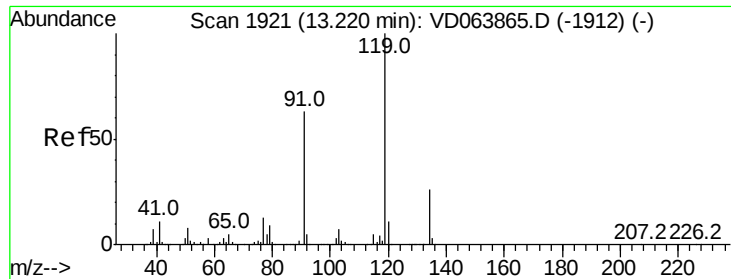
Tgt Ion: 91 Resp: 139669

Ion Ratio Lower Upper

91 100

126 36.8 18.6 55.8

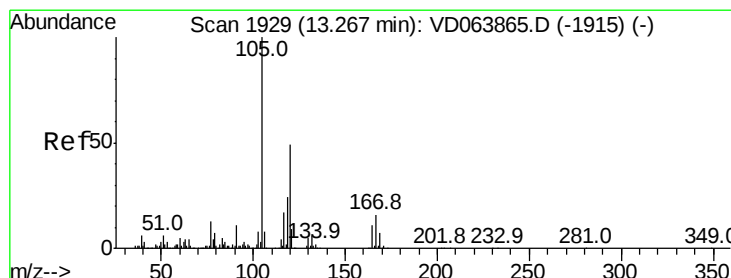
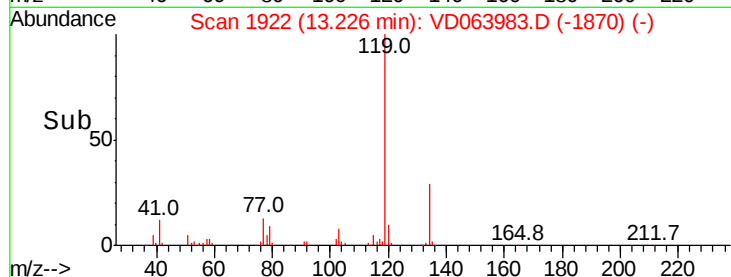
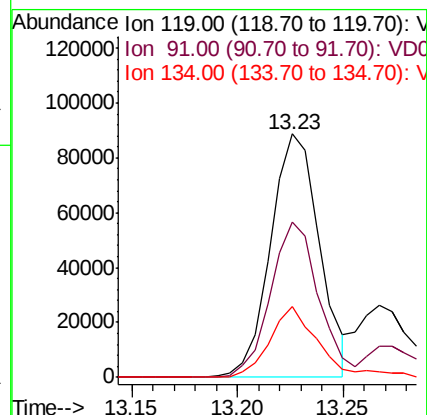
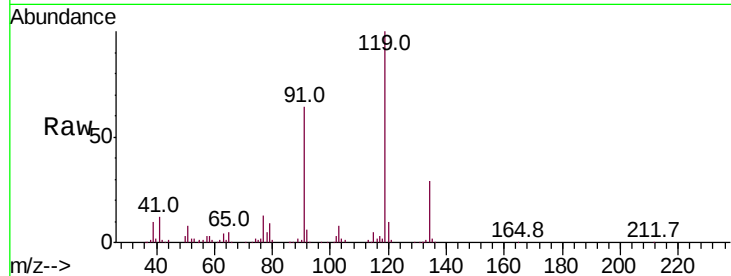




#83  
tert-Butylbenzene  
Concen: 20.326 ug/l  
RT: 13.23 min Scan# 1922  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

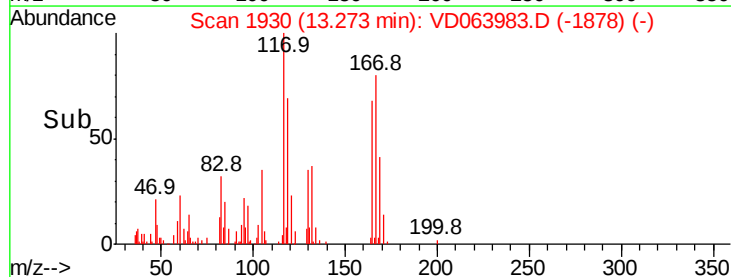
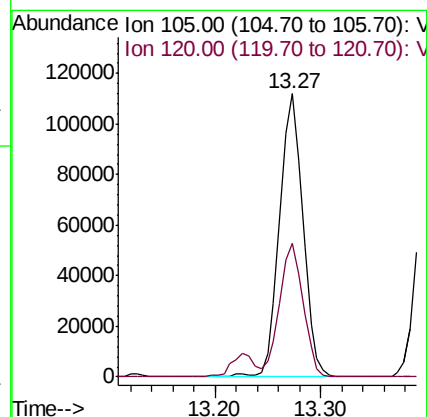
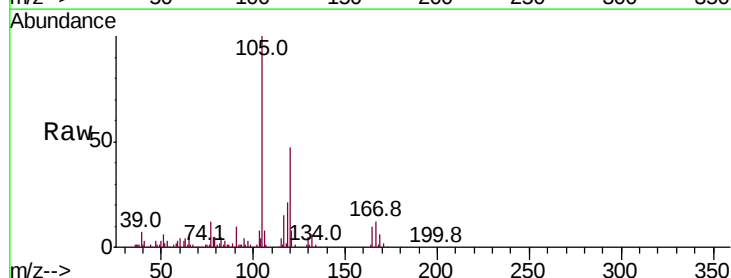
Instrument :  
MSVOA\_D  
ClientSampleId :

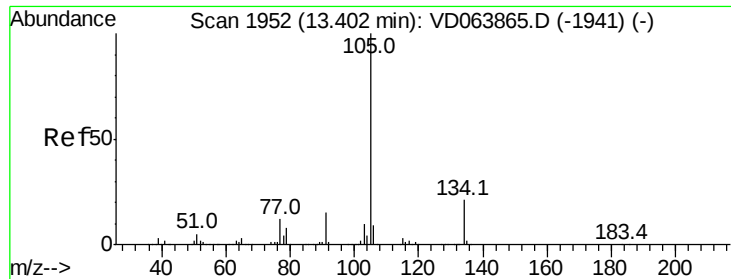
Tot Ion:119 Resp: 143210  
Ion Ratio Lower Upper  
119 100  
91 62.9 30.0 90.0  
134 29.3 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.928 ug/l  
RT: 13.27 min Scan# 1930  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion:105 Resp: 170797  
Ion Ratio Lower Upper  
105 100  
120 47.4 23.8 71.5





#85

sec-Butylbenzene

Concen: 22.294 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

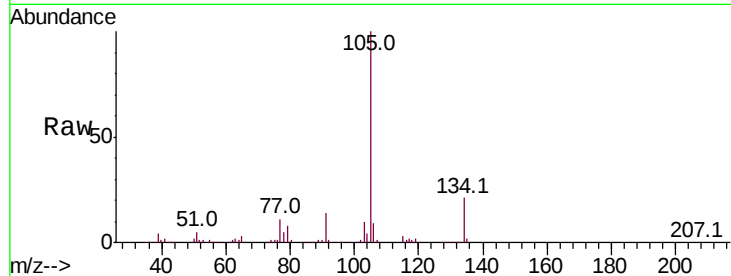
ClientSampleId :

Tot Ion:105 Resp: 212126

Ion Ratio Lower Upper

105 100

134 21.5 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

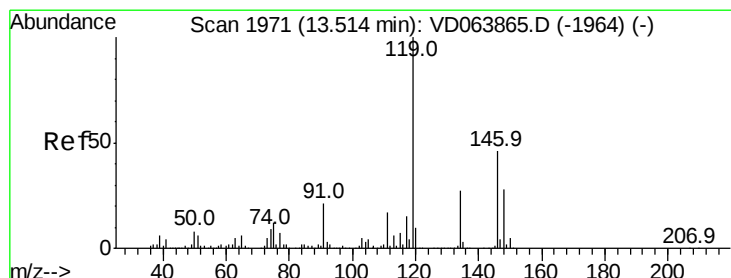
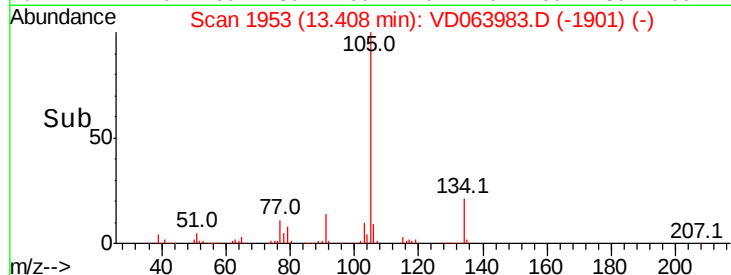
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.101 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

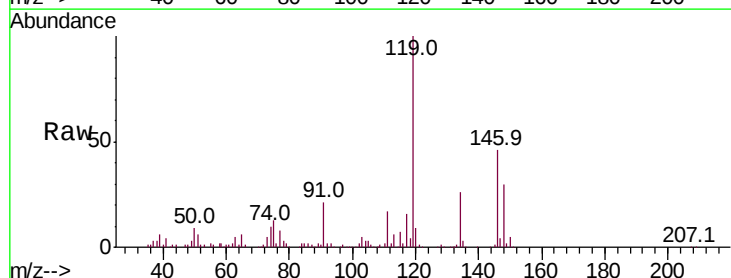
Tgt Ion:119 Resp: 198983

Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.6

91 21.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

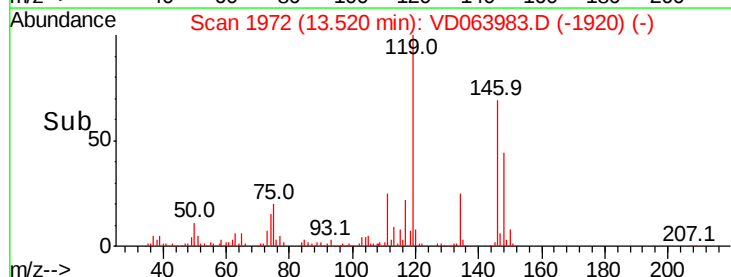
150000

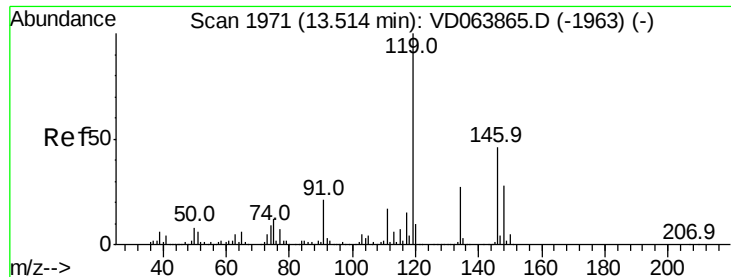
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.660 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

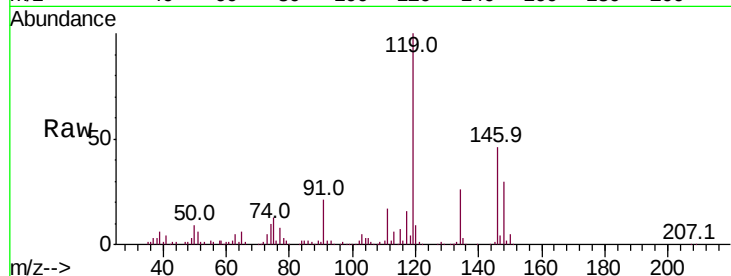
Tot Ion:146 Resp: 96509

Ion Ratio Lower Upper

146 100

111 36.3 18.3 54.9

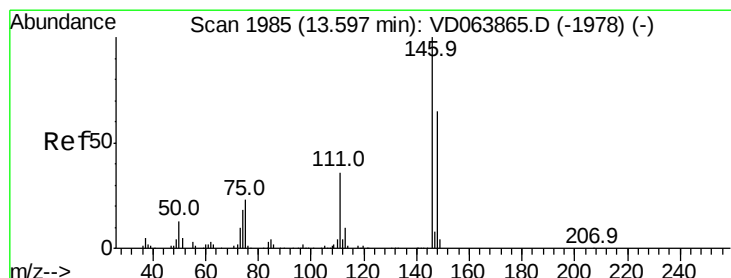
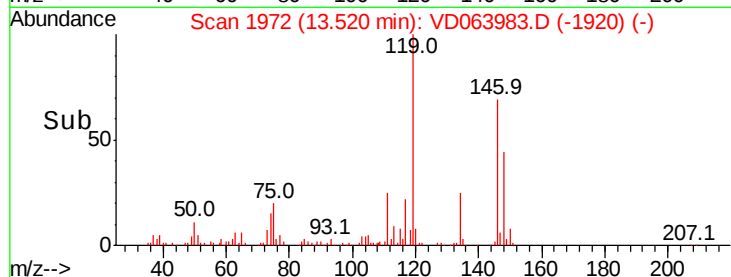
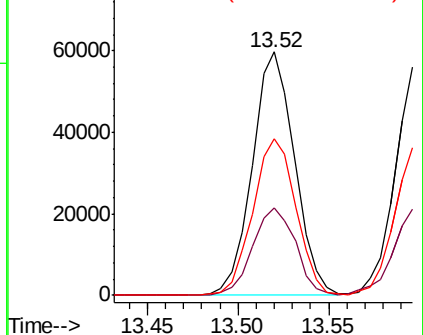
148 65.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.329 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

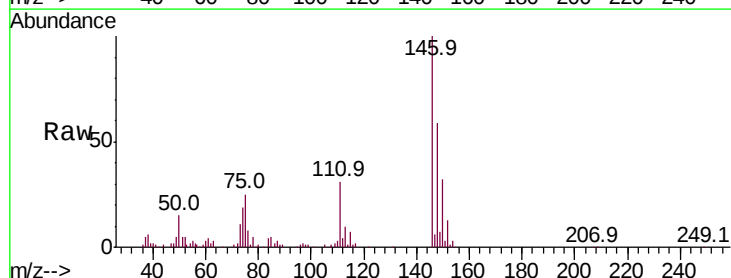
Tgt Ion:146 Resp: 98293

Ion Ratio Lower Upper

146 100

111 36.3 18.6 56.0

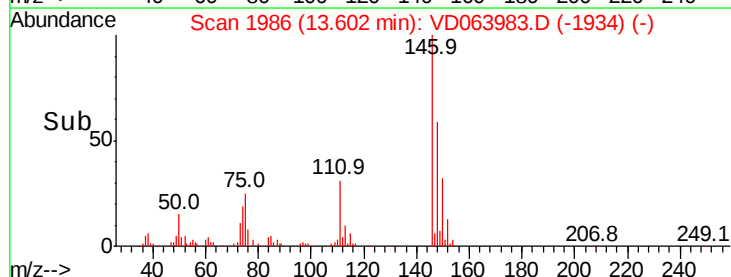
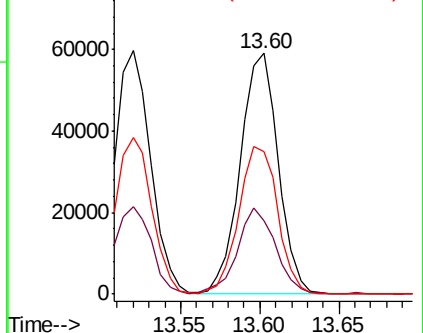
148 62.7 32.6 98.0

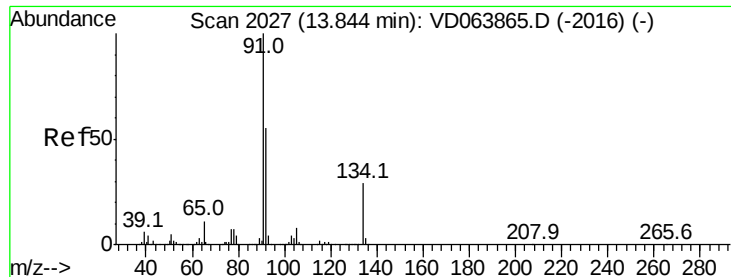


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.454 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

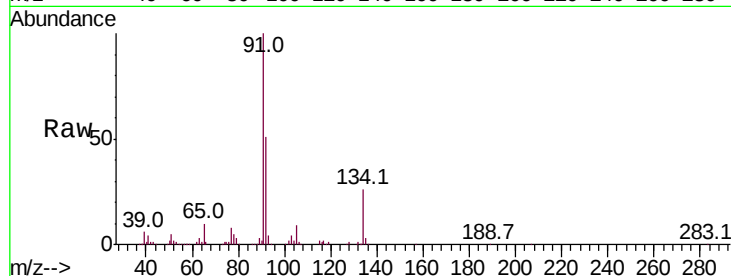
Tot Ion: 91 Resp: 188181

Ion Ratio Lower Upper

91 100

92 51.5 26.8 80.3

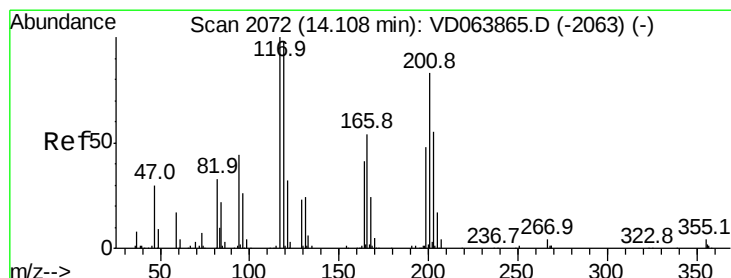
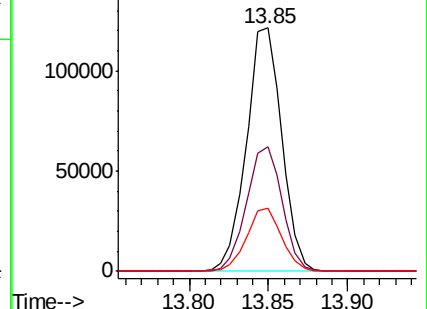
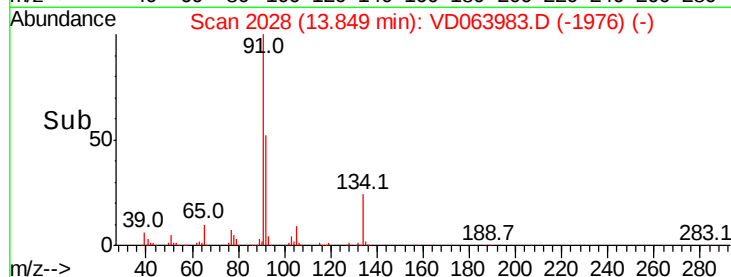
134 25.7 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.00 (133.70 to 134.70): VDC



#90

Hexachloroethane

Concen: 21.938 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.01 min

Lab File: VD063983.D

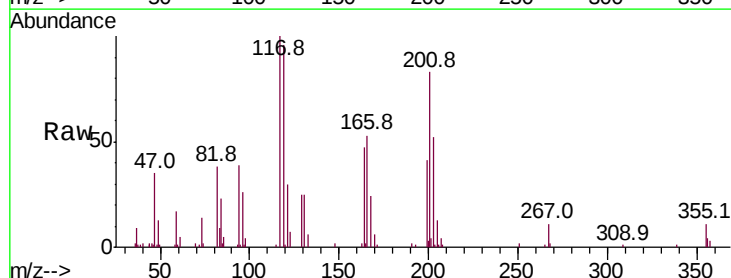
Acq: 16 Oct 2019 13:14

Tgt Ion: 117 Resp: 35524

Ion Ratio Lower Upper

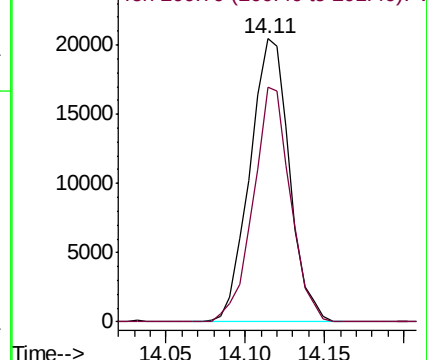
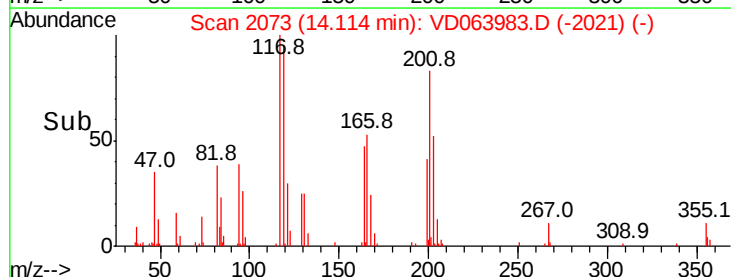
117 100

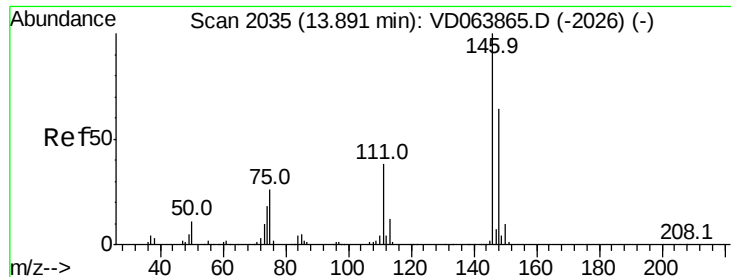
201 77.8 40.6 121.7



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC





#91

1,2-Dichlorobenzene

Concen: 20.837 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA\_D

ClientSampleId :

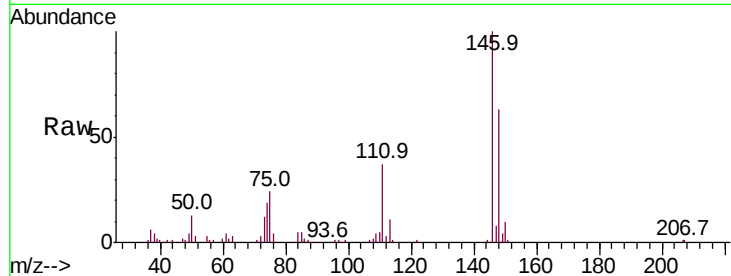
Tot Ion:146 Resp: 83882

Ion Ratio Lower Upper

146 100

111 35.5 18.6 55.6

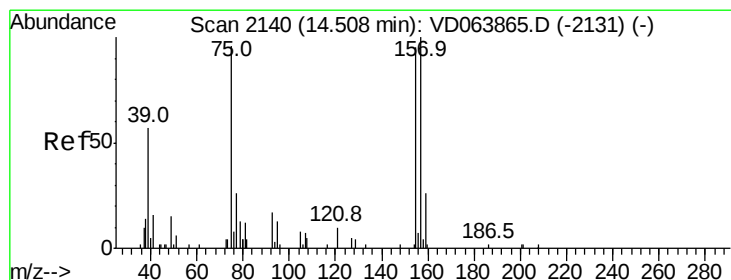
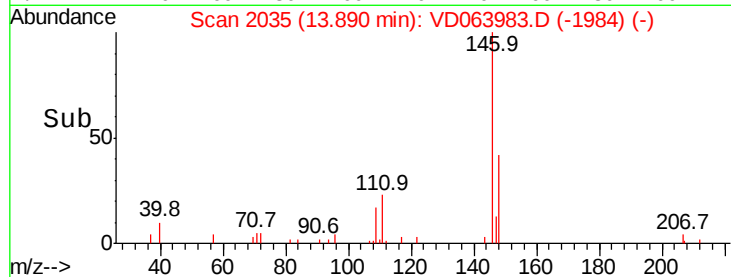
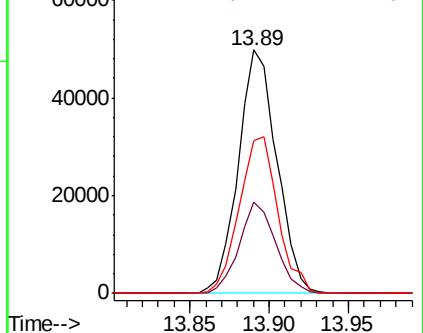
148 64.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): 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: 19.761 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

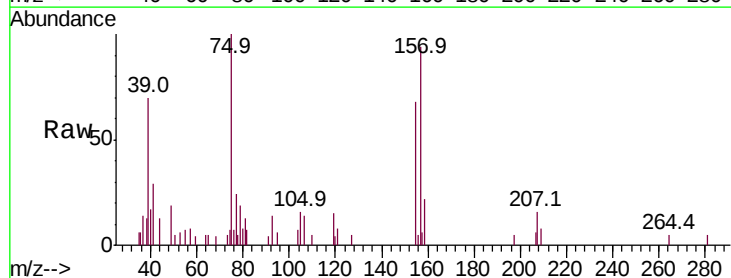
Tgt Ion: 75 Resp: 5451

Ion Ratio Lower Upper

75 100

155 84.9 43.9 131.6

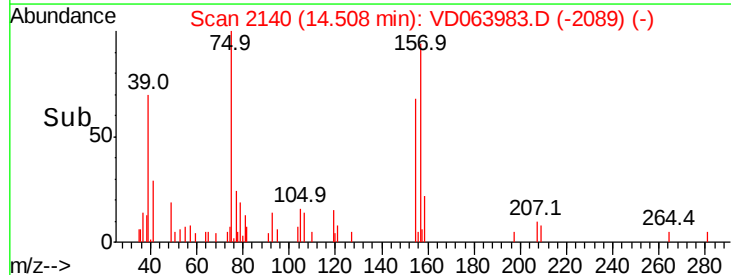
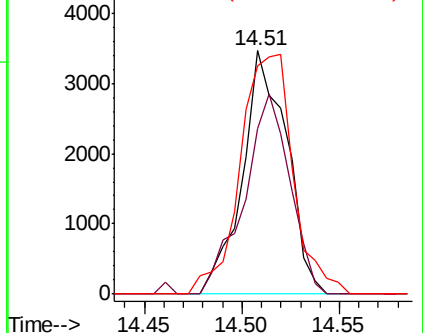
157 117.7 56.0 167.9

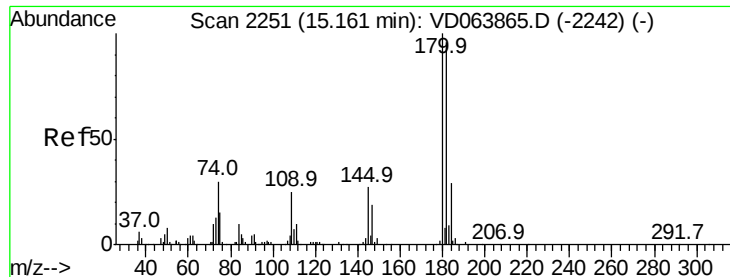


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

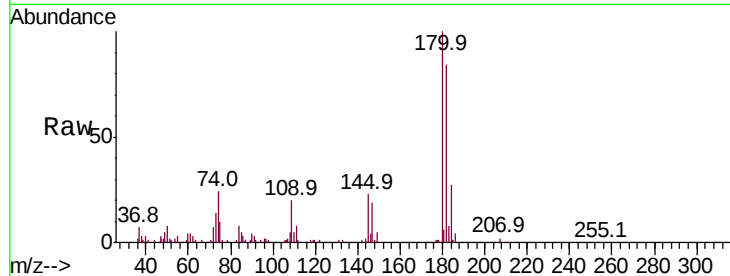




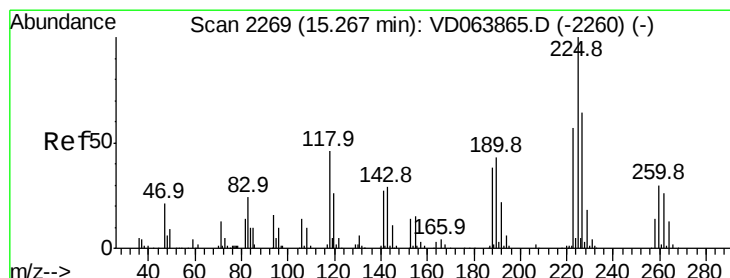
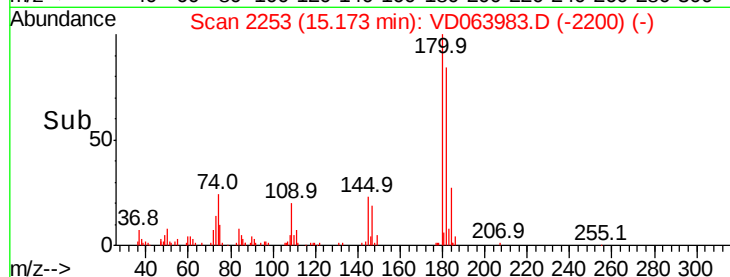
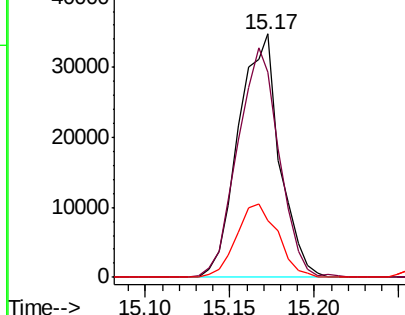
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.986 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.4  | 142.3 |
| 145     | 30.4  | 13.9  | 41.7  |

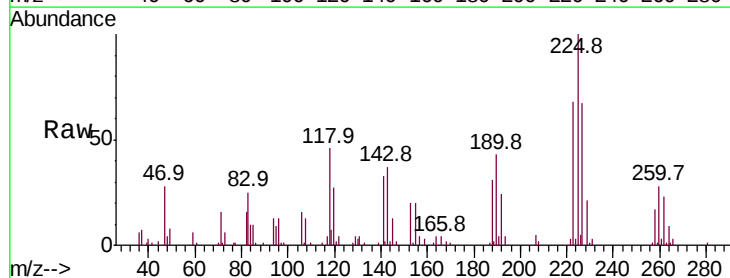


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

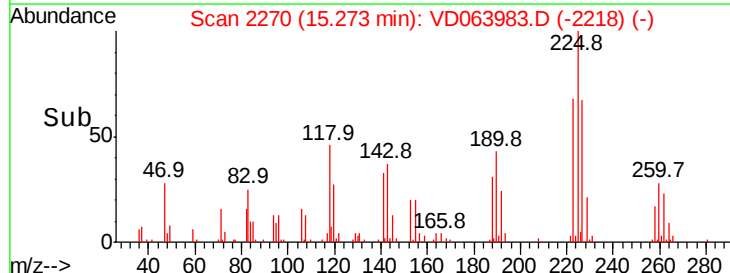
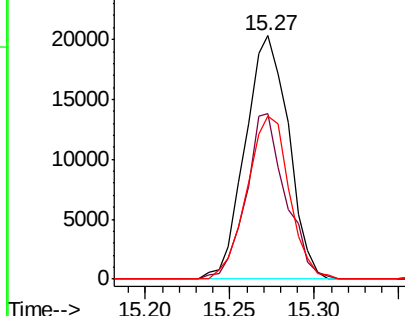


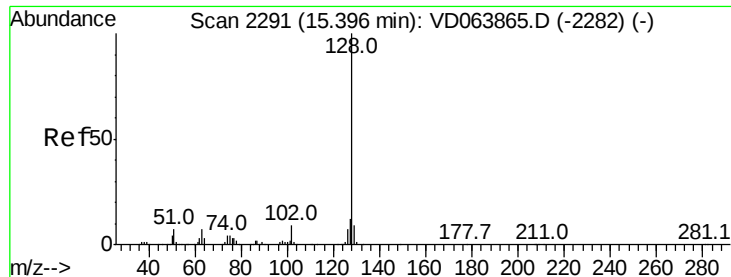
#94  
 Hexachlorobutadiene  
 Concen: 21.141 ug/l  
 RT: 15.27 min Scan# 2270  
 Delta R.T. 0.01 min  
 Lab File: VD063983.D  
 Acq: 16 Oct 2019 13:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 29.5  | 88.6  |
| 227     | 65.7  | 30.8  | 92.4  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V

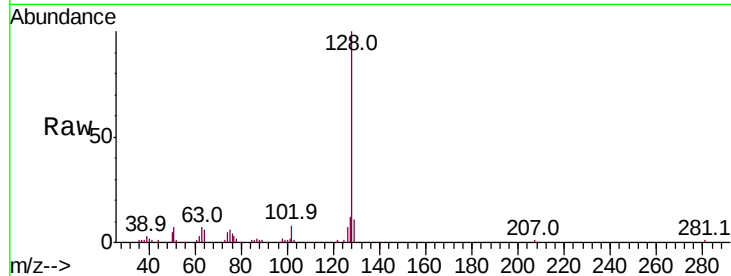




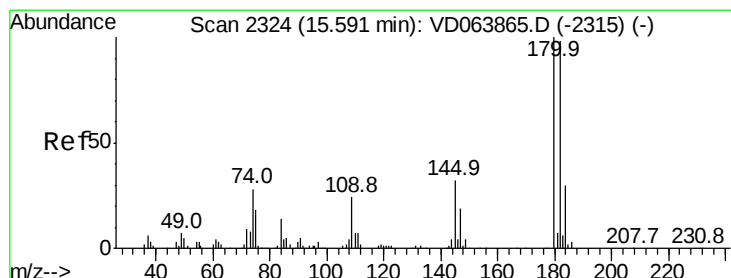
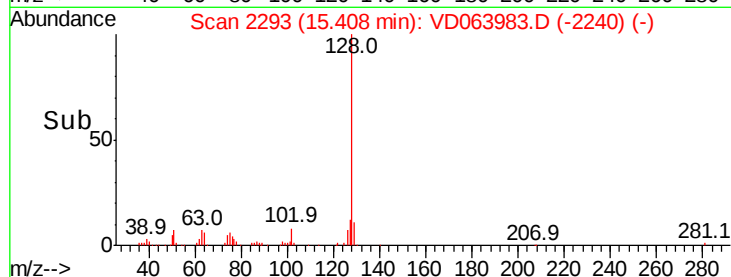
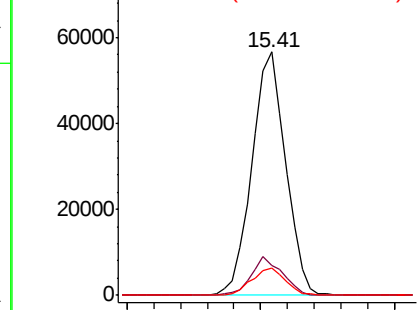
#95  
Naphthalene  
Concen: 18.868 ug/l  
RT: 15.41 min Scan# 2293  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 98508  
Ion Ratio Lower Upper  
128 100  
127 14.6 10.6 16.0  
129 11.3 8.6 13.0

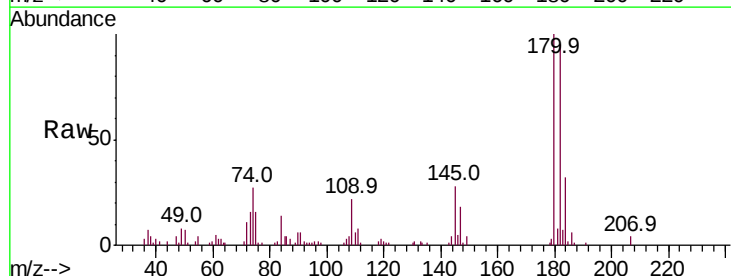


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 19.481 ug/l  
RT: 15.60 min Scan# 2325  
Delta R.T. 0.01 min  
Lab File: VD063983.D  
Acq: 16 Oct 2019 13:14

Tgt Ion:180 Resp: 52209  
Ion Ratio Lower Upper  
180 100  
182 93.5 47.0 141.0  
145 31.9 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

