

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\  
 Data File : VD061411.D  
 Acq On : 29 Mar 2019 2:28  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 29 05:27:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 656964   | 50.00 | ug/l  | 0.03     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1145303  | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 915679   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 422570   | 50.00 | ug/l  | 0.01     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.46   | 65  | 273378   | 48.71 | ug/l   | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.42% |      |
| 35) Dibromofluoromethane  | 6.93   | 113 | 434819   | 49.68 | ug/l   | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.36% |      |
| 50) Toluene-d8            | 10.41  | 98  | 965855   | 46.01 | ug/l   | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.02% |      |
| 62) 4-Bromofluorobenzene  | 13.56  | 95  | 393054   | 48.83 | ug/l   | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.66% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85  | 350769  | 49.995  | ug/l   | 98     |
| 3) Chloromethane              | 1.77 | 50  | 253596  | 44.319  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.87 | 62  | 256491  | 48.820  | ug/l   | 99     |
| 5) Bromomethane               | 2.17 | 94  | 58340   | 55.998  | ug/l   | 95     |
| 6) Chloroethane               | 2.28 | 64  | 93459   | 60.660  | ug/l   | 95     |
| 7) Trichlorofluoromethane     | 2.55 | 101 | 393573  | 51.516  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.88 | 74  | 137598  | 55.940  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.17 | 101 | 407144  | 49.571  | ug/l   | 96     |
| 10) Methyl Iodide             | 3.33 | 142 | 644519  | 51.506  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 4.07 | 59  | 90038   | 257.619 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.15 | 96  | 352931  | 50.050  | ug/l   | 94     |
| 13) Acrolein                  | 3.05 | 56  | 52452   | 191.623 | ug/l   | 92     |
| 14) Allyl chloride            | 3.64 | 41  | 558445  | 56.779  | ug/l   | 95     |
| 15) Acrylonitrile             | 4.20 | 53  | 355531  | 293.089 | ug/l   | 99     |
| 16) Acetone                   | 3.23 | 43  | 344450  | 238.759 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.40 | 76  | 1125934 | 49.144  | ug/l   | 100    |
| 18) Methyl Acetate            | 3.65 | 43  | 171633  | 56.583  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 4.25 | 73  | 682894  | 55.946  | ug/l   | 97     |
| 20) Methylene Chloride        | 3.83 | 84  | 443847  | 55.116  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 4.23 | 96  | 402153  | 52.823  | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.13 | 45  | 1202239 | 57.763  | ug/l   | 97     |
| 23) Vinyl Acetate             | 5.07 | 43  | 3091323 | 273.433 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.00 | 63  | 685859  | 56.072  | ug/l   | 99     |
| 25) 2-Butanone                | 6.07 | 43  | 467201  | 257.446 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.03 | 77  | 488687  | 50.259  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 6.04 | 96  | 459550  | 55.094  | ug/l   | 93     |
| 28) Bromochloromethane        | 6.45 | 49  | 265141  | 53.699  | ug/l # | 99     |
| 29) Tetrahydrofuran           | 6.46 | 42  | 251661  | 286.108 | ug/l   | 99     |
| 30) Chloroform                | 6.67 | 83  | 687356  | 54.385  | ug/l   | 99     |
| 31) Cyclohexane               | 6.96 | 56  | 504941  | 52.239  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.88 | 97  | 564970  | 50.669  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 7.15 | 75  | 498997  | 49.920  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.18 | 43  | 232791  | 54.454  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.12 | 117 | 561120  | 48.851  | ug/l   | 96     |

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 Data File : VD061411.D  
 Acq On : 29 Mar 2019 2:28  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 29 05:27:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 28 09:22:37 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 510913   | 49.076   | ug/l   | 96       |
| 40) Benzene                    | 7.46  | 78   | 1266337  | 50.478   | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.45  | 41   | 273154   | 54.647   | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 7.59  | 62   | 409308   | 54.544   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 328820   | 52.864   | ug/l # | 95       |
| 44) Trichloroethene            | 8.54  | 130  | 492529   | 52.756   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 336254   | 52.859   | ug/l   | 100      |
| 46) Dibromomethane             | 9.07  | 93   | 240550   | 56.182   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.37  | 83   | 539727   | 56.163   | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.13  | 41   | 194587   | 56.685   | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 42985    | 1135.270 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 1063266  | 280.972  | ug/l   | 98       |
| 52) Toluene                    | 10.51 | 92   | 776051   | 50.706   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 469996   | 53.830   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 571148   | 53.722   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 11.19 | 97   | 279756   | 52.267   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.05 | 69   | 309507   | 53.827   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 417134   | 53.022   | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.85  | 63   | 754581   | 269.472  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.53 | 43   | 741963   | 270.612  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.68 | 129  | 426436   | 51.680   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 341004   | 55.019   | ug/l   | 99       |
| 64) Tetrachloroethene          | 11.26 | 164  | 356318   | 49.582   | ug/l   | 96       |
| 65) Chlorobenzene              | 12.40 | 112  | 884012   | 47.239   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 376067   | 51.903   | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.52 | 91   | 1358900  | 47.575   | ug/l   | 97       |
| 68) m/p-Xylenes                | 12.67 | 106  | 1066237  | 98.543   | ug/l   | 97       |
| 69) o-Xylene                   | 13.05 | 106  | 553250   | 52.691   | ug/l   | 95       |
| 70) Styrene                    | 13.07 | 104  | 1001852  | 54.736   | ug/l   | 98       |
| 71) Bromoform                  | 13.23 | 173  | 243817   | 53.084   | ug/l   | 96       |
| 73) Isopropylbenzene           | 13.40 | 105  | 1465877  | 49.842   | ug/l   | 98       |
| 74) N-amyl acetate             | 13.26 | 43   | 392913   | 47.958   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 313489   | 50.529   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 303572   | 49.732   | ug/l   | 100      |
| 77) Bromobenzene               | 13.67 | 156  | 442530   | 50.755   | ug/l   | 83       |
| 78) n-propylbenzene            | 13.77 | 91   | 1772992  | 49.261   | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 1000788  | 51.211   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 1068149  | 46.809   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 100731   | 54.123   | ug/l   | 93       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 1041542  | 49.016   | ug/l   | 98       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 1397554  | 49.007   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 1246619  | 50.461   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 14.36 | 105  | 1423030  | 46.972   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 1232217  | 48.100   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 680417   | 46.084   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 709930   | 49.306   | ug/l   | 99       |
| 89) n-Butylbenzene             | 14.80 | 91   | 1149947  | 48.907   | ug/l   | 99       |
| 90) Hexachloroethane           | 15.00 | 117  | 369225   | 51.017   | ug/l   | 67       |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 646358   | 53.371   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 39241    | 53.928   | ug/l   | 95       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\  
Data File : VD061411.D  
Acq On : 29 Mar 2019 2:28  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 29 Sample Multiplier: 1

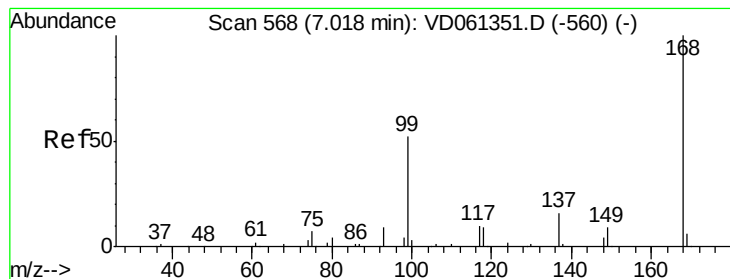
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 29 05:27:30 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D032719S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 28 09:22:37 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 272605   | 49.413 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 217655   | 50.488 | ug/l  | 98       |
| 95) Naphthalene            | 16.12 | 128  | 415639   | 49.427 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 114133   | 47.014 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

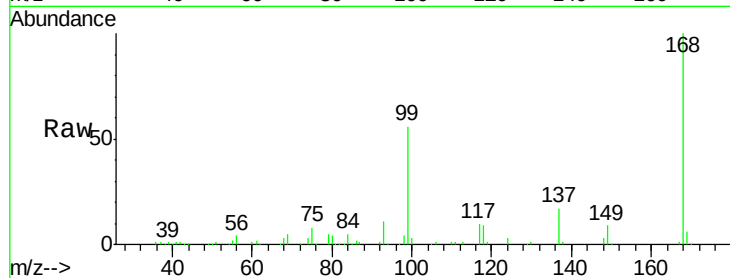
VSTDCCC050

Tot Ion:168 Resp: 656964

Ion Ratio Lower Upper

168 100

99 55.9 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

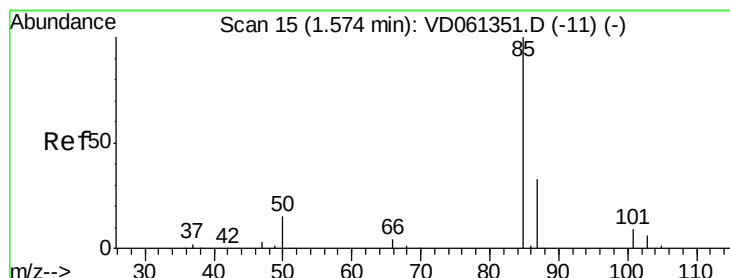
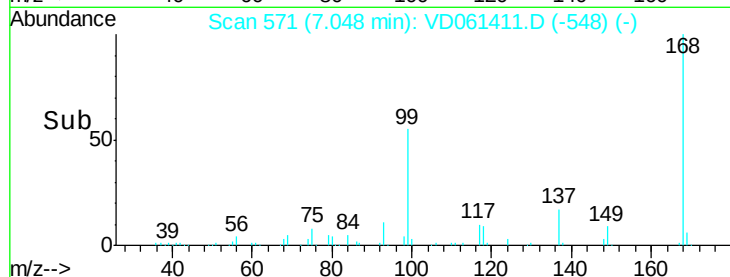
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.995 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061411.D

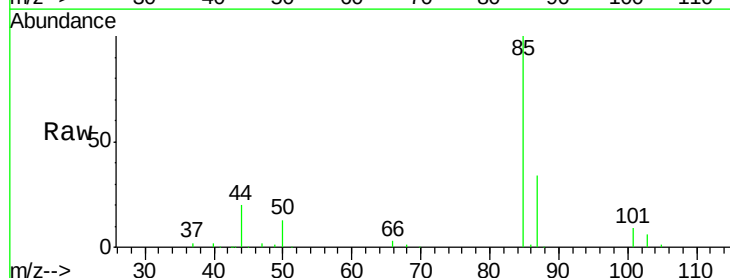
Acq: 29 Mar 2019 2:28

Tgt Ion: 85 Resp: 350769

Ion Ratio Lower Upper

85 100

87 34.2 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

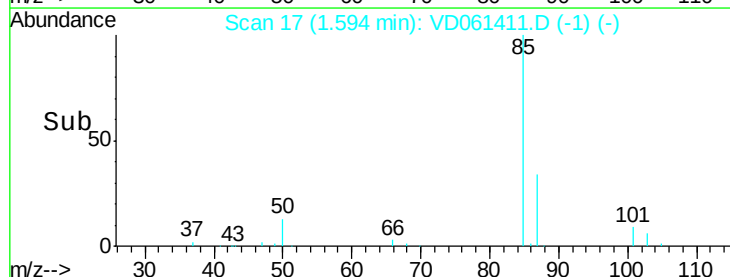
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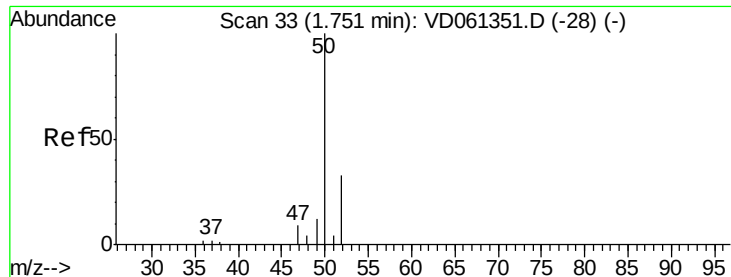
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.319 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

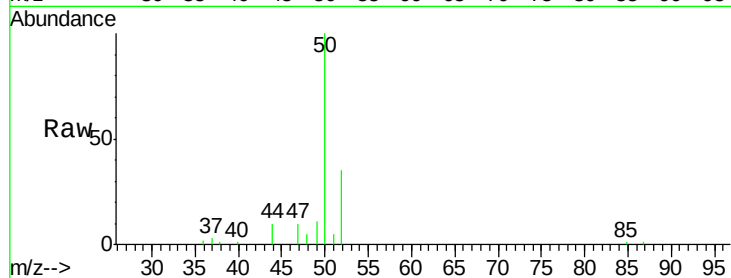
VSTDCCC050

Tot Ion: 50 Resp: 253596

Ion Ratio Lower Upper

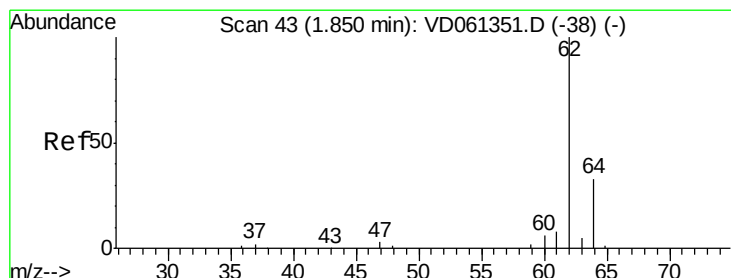
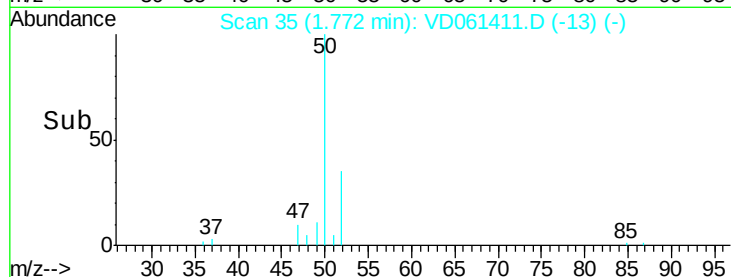
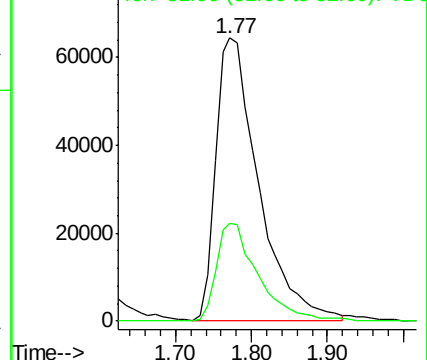
50 100

52 34.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.820 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061411.D

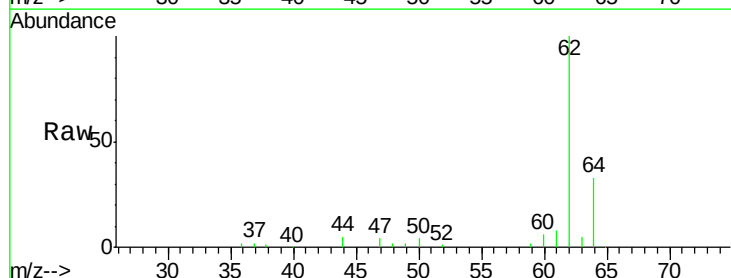
Acq: 29 Mar 2019 2:28

Tgt Ion: 62 Resp: 256491

Ion Ratio Lower Upper

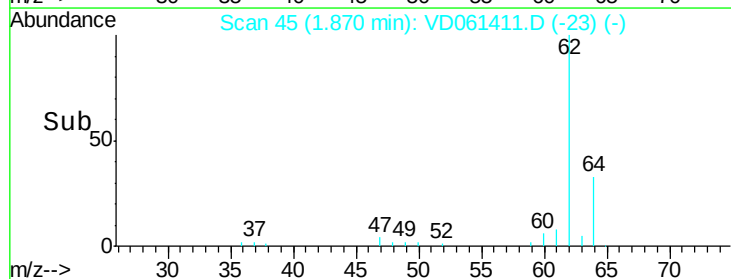
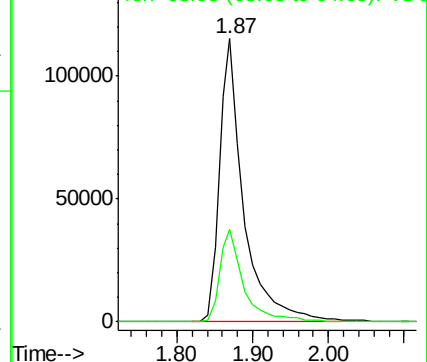
62 100

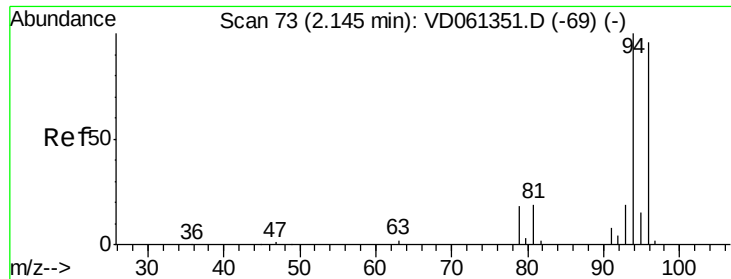
64 32.5 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

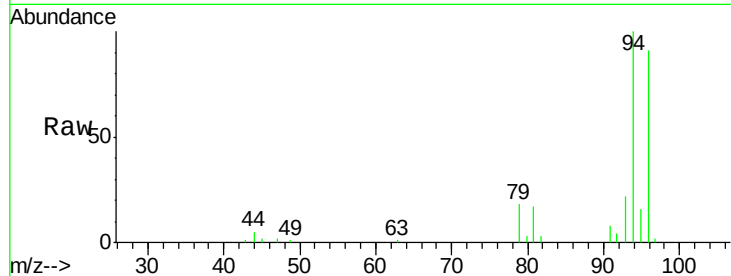




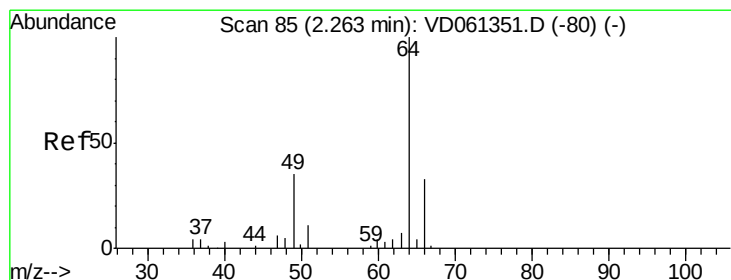
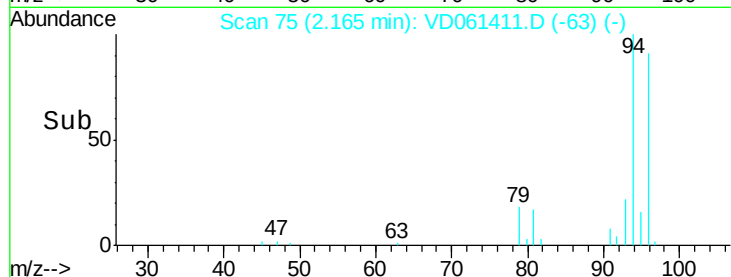
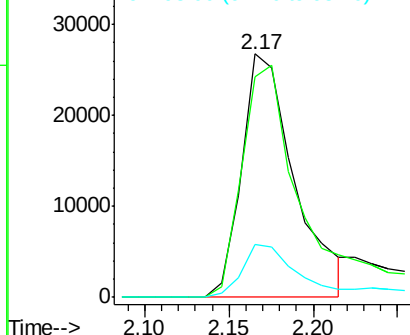
#5  
Bromomethane  
Concen: 55.998 ug/l  
RT: 2.17 min Scan# 75  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 94 Resp: 58340  
Ion Ratio Lower Upper  
94 100  
96 92.6 78.3 117.5  
93 21.9 15.6 23.4

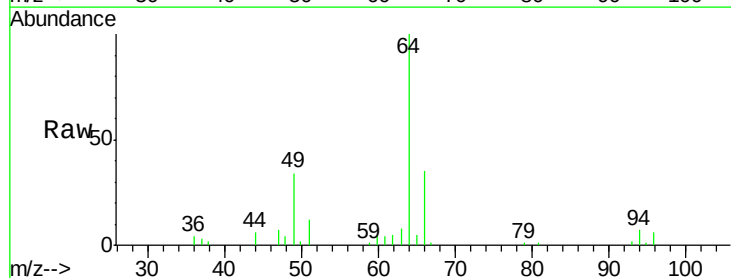


Abundance Ion 94.00 (93.70 to 94.70): VDC  
Ion 96.00 (95.70 to 96.70): VDC  
Ion 93.00 (92.70 to 93.70): VDC

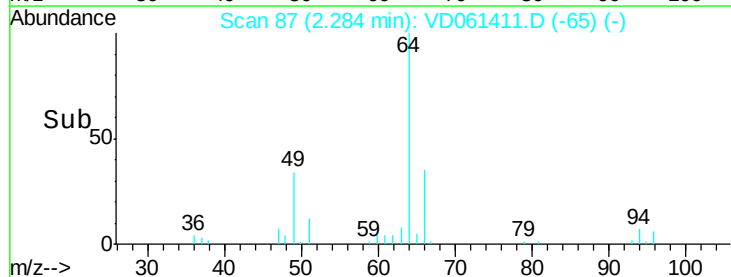
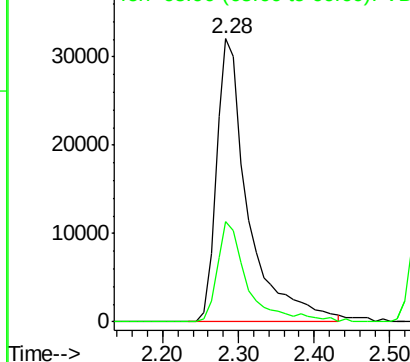


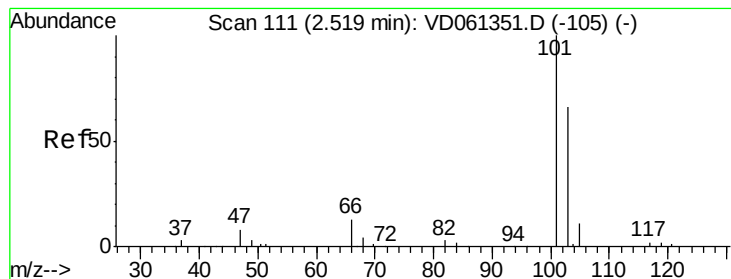
#6  
Chloroethane  
Concen: 60.660 ug/l  
RT: 2.28 min Scan# 87  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 64 Resp: 93459  
Ion Ratio Lower Upper  
64 100  
66 35.4 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC  
Ion 65.90 (65.60 to 66.60): VDC



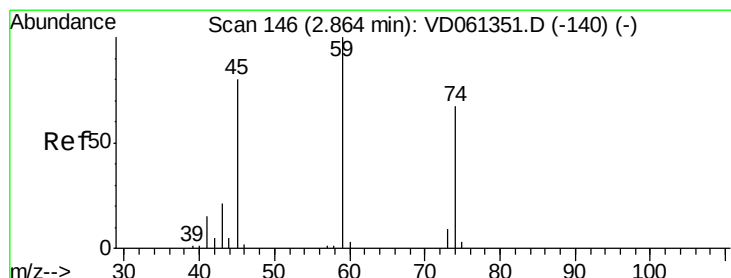
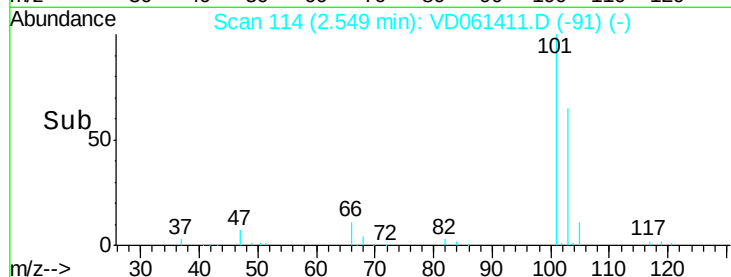
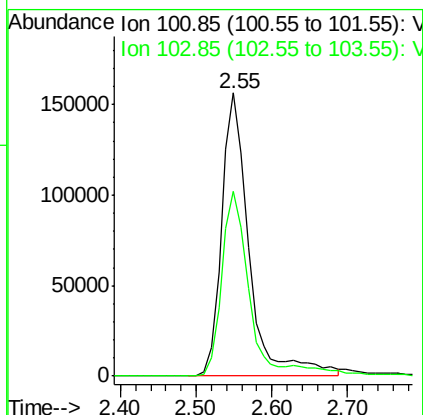
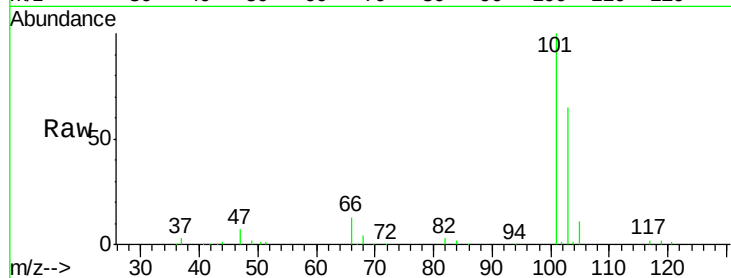


#7

Trichlorofluoromethane  
Concen: 51.516 ug/l  
RT: 2.55 min Scan# 114  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

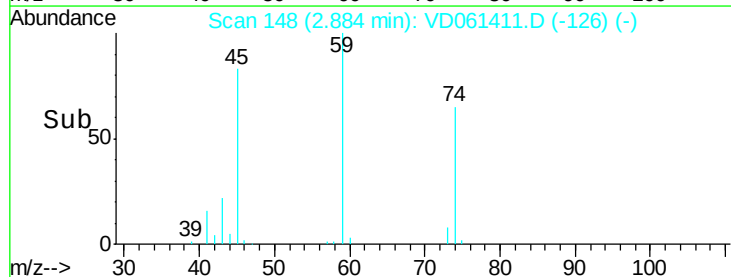
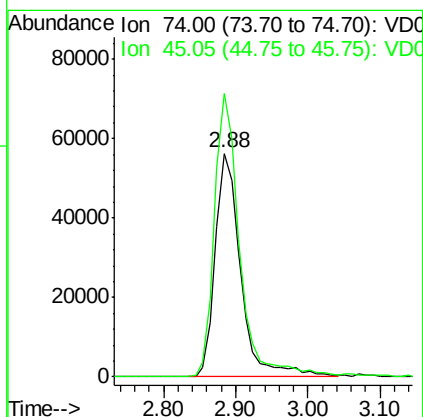
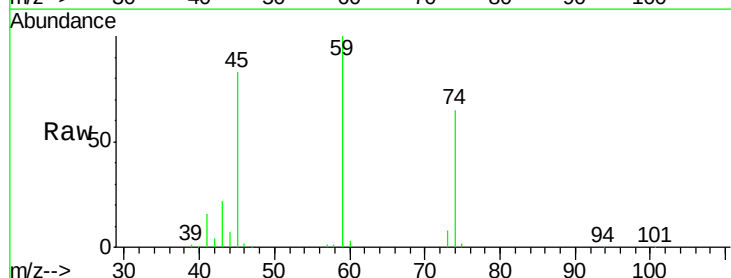
Tot Ion:101 Resp: 393573  
Ion Ratio Lower Upper  
101 100  
103 65.2 53.1 79.7



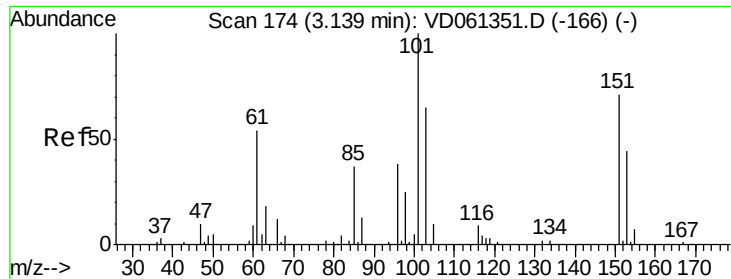
#8

Diethyl Ether  
Concen: 55.940 ug/l  
RT: 2.88 min Scan# 148  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 74 Resp: 137598  
Ion Ratio Lower Upper  
74 100  
45 126.8 59.7 179.1







#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.571 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

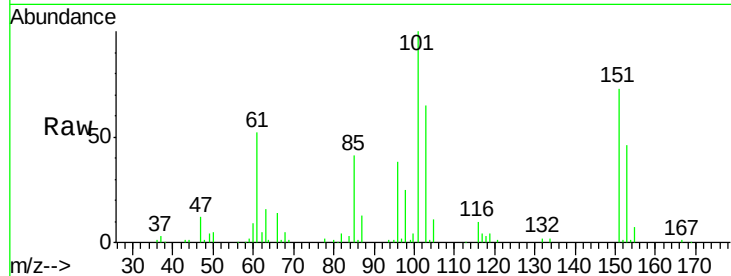
Tot Ion:101 Resp: 407144

Ion Ratio Lower Upper

101 100

85 41.4 29.4 44.0

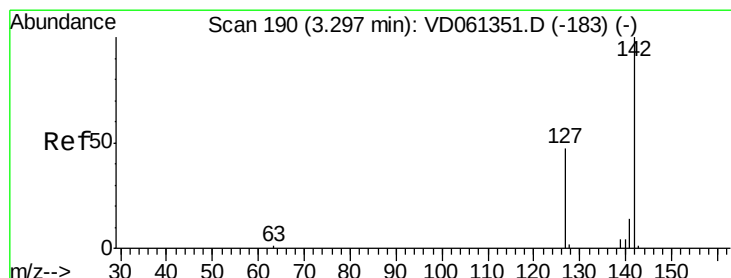
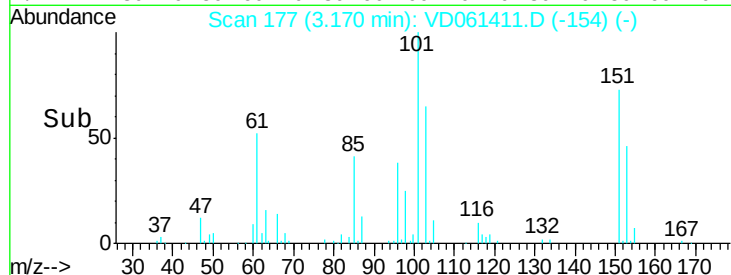
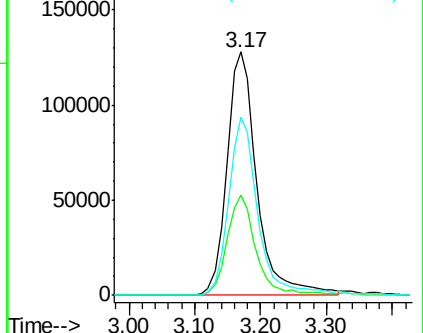
151 73.3 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 51.506 ug/l

RT: 3.33 min Scan# 193

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

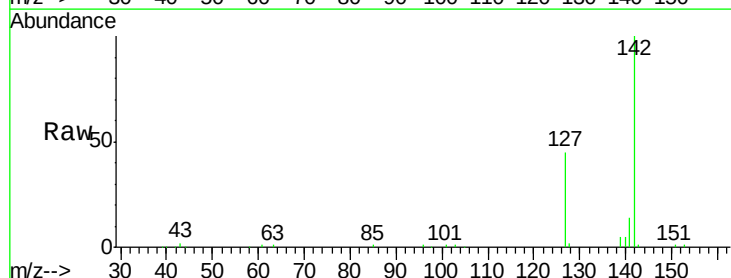
Tgt Ion:142 Resp: 644519

Ion Ratio Lower Upper

142 100

127 44.7 37.7 56.5

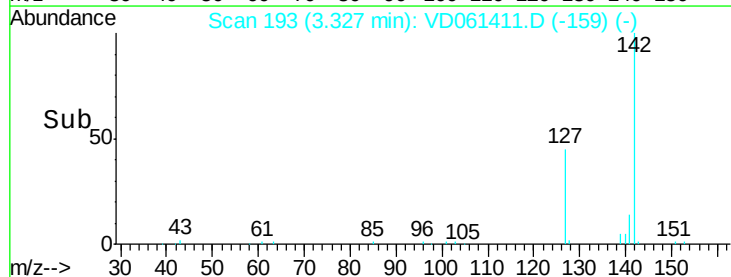
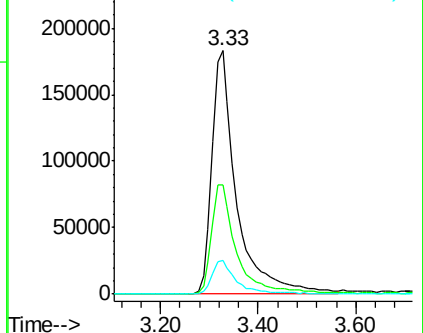
141 14.0 11.5 17.3

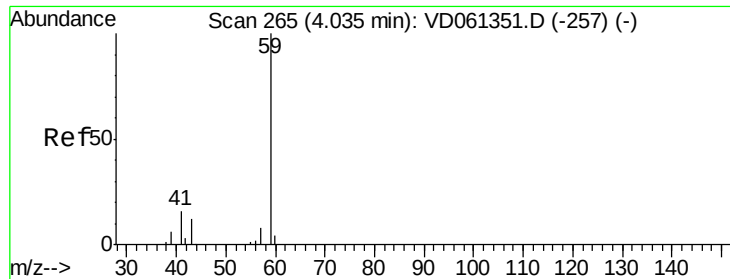


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



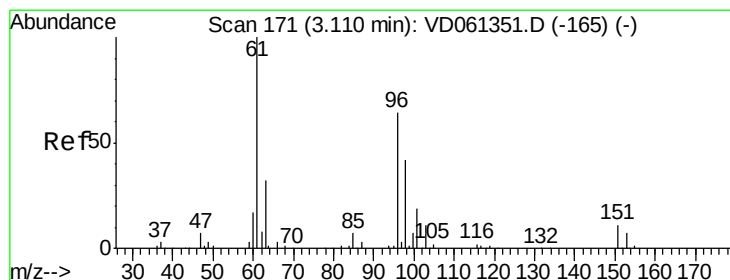
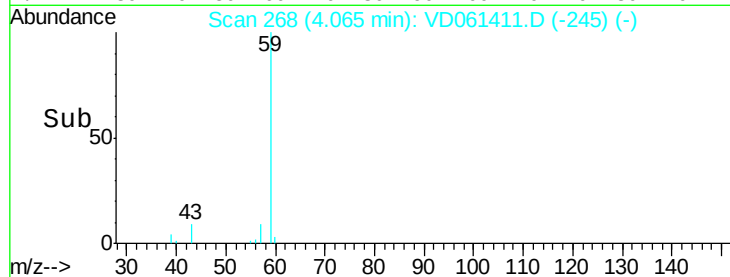
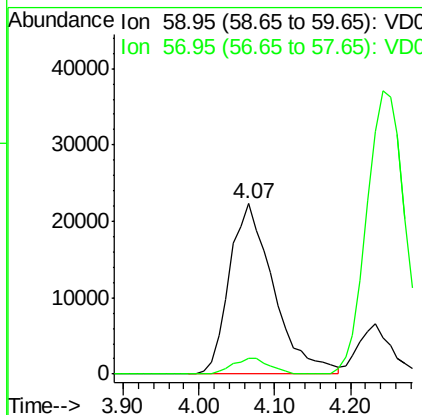
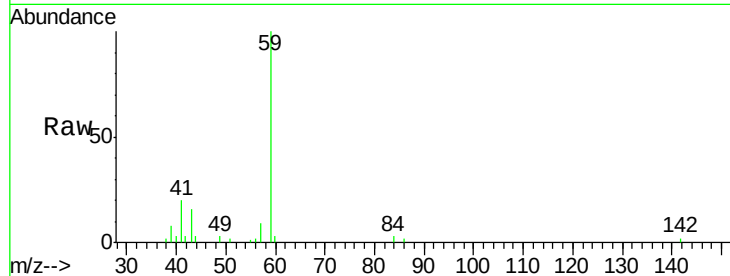


#11

Tert butyl alcohol  
Concen: 257.619 ug/l  
RT: 4.07 min Scan# 268  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

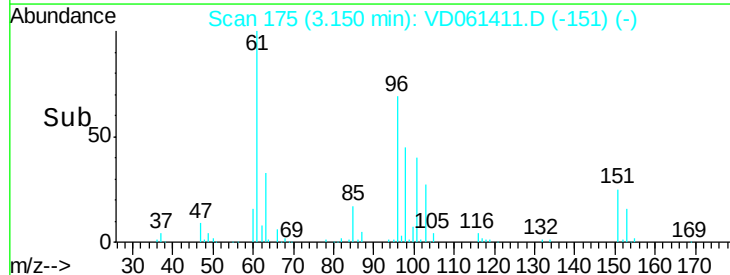
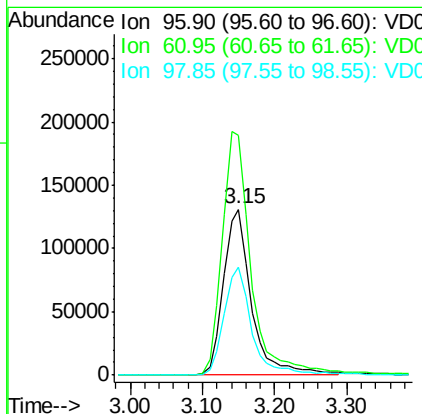
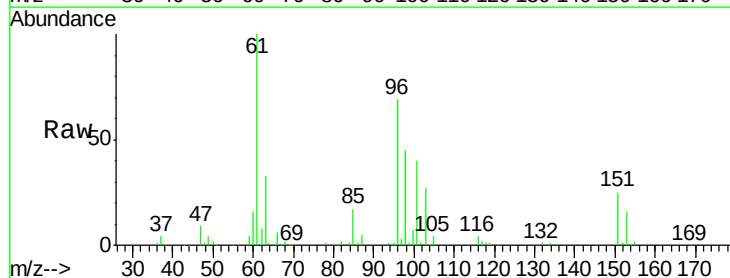
Tot Ion: 59 Resp: 90038  
Ion Ratio Lower Upper  
59 100  
57 9.2 6.7 10.1

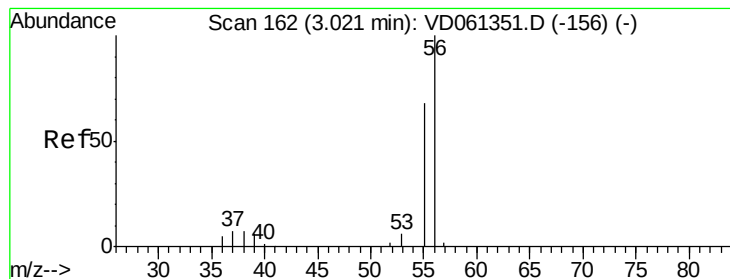


#12

1,1-Dichloroethene  
Concen: 50.050 ug/l  
RT: 3.15 min Scan# 175  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 96 Resp: 352931  
Ion Ratio Lower Upper  
96 100  
61 144.9 124.9 187.3  
98 64.8 52.5 78.7





#13

Acrolein

Concen: 191.623 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

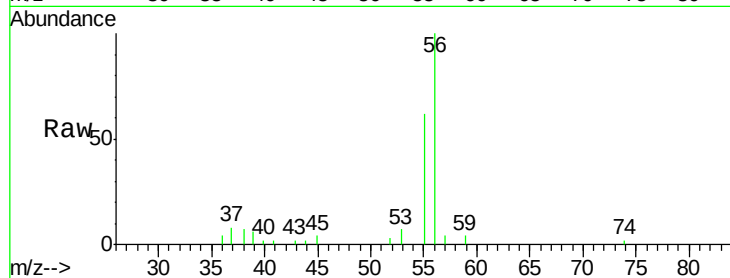
VSTDCCC050

Tot Ion: 56 Resp: 52452

Ion Ratio Lower Upper

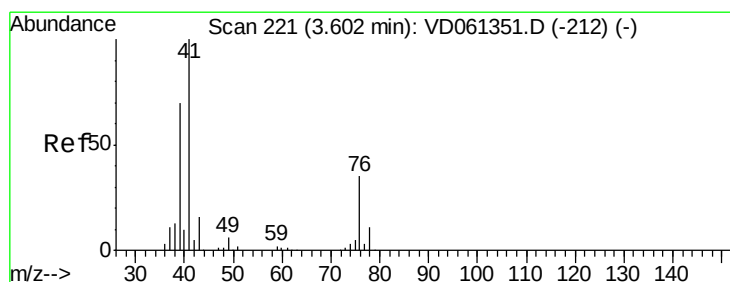
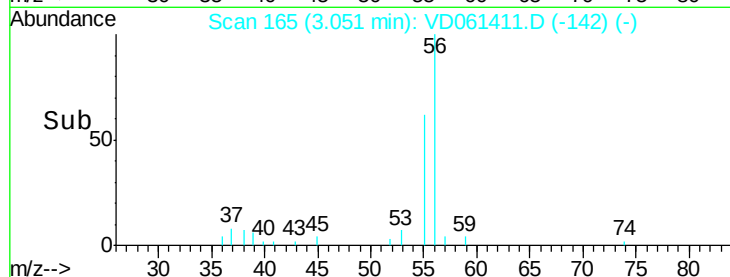
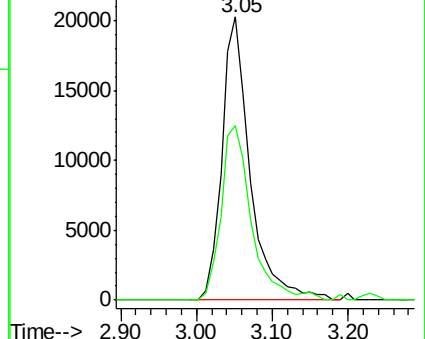
56 100

55 61.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.779 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

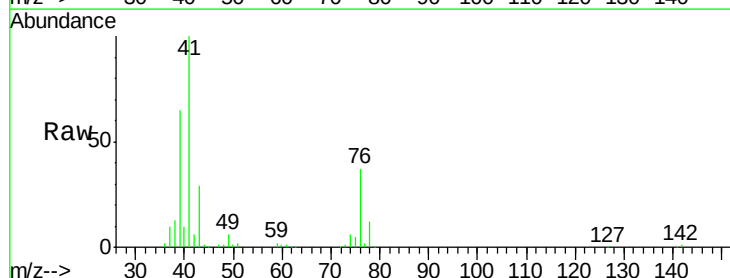
Tgt Ion: 41 Resp: 558445

Ion Ratio Lower Upper

41 100

39 64.9 55.6 83.4

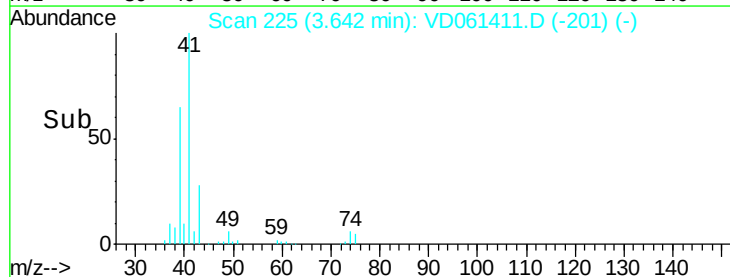
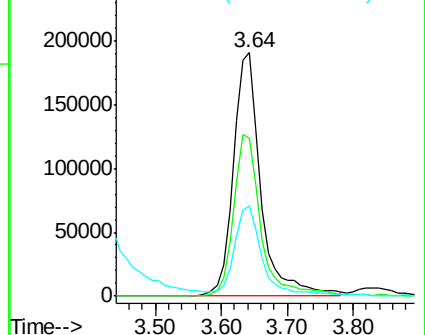
76 37.1 31.0 46.6

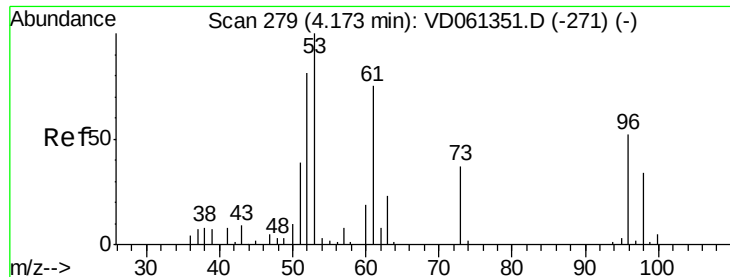


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 293.089 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

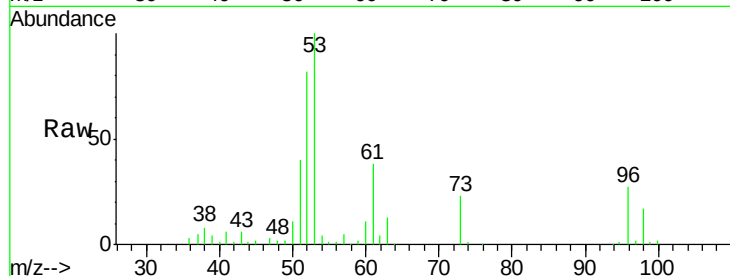
Tot Ion: 53 Resp: 355531

Ion Ratio Lower Upper

53 100

52 81.9 64.8 97.2

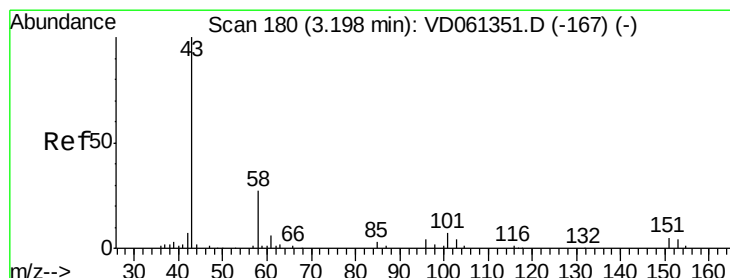
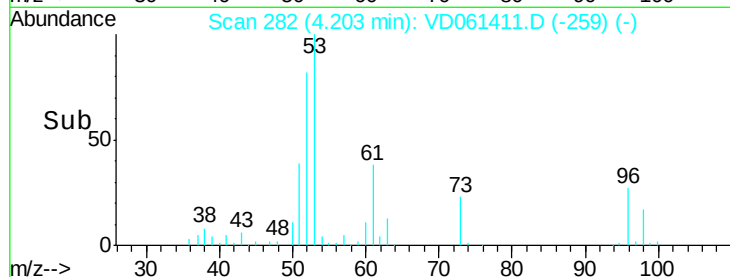
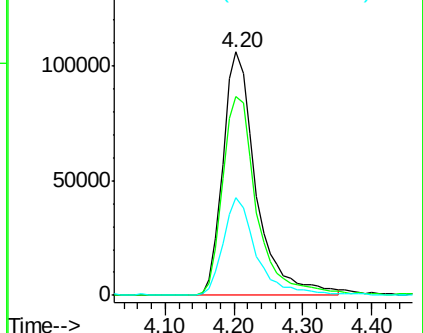
51 40.2 31.4 47.2



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: 238.759 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD061411.D

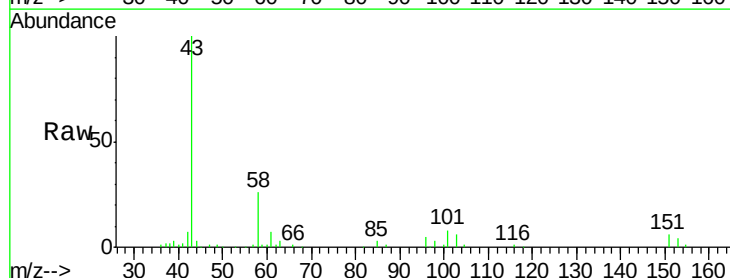
Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 344450

Ion Ratio Lower Upper

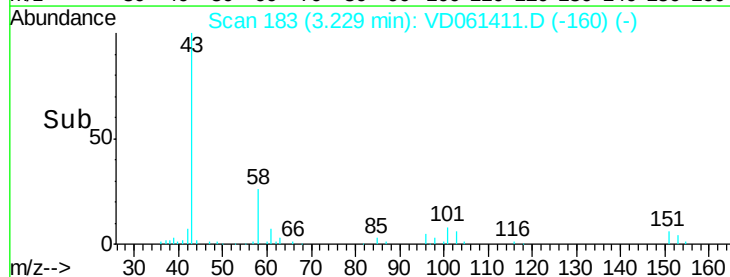
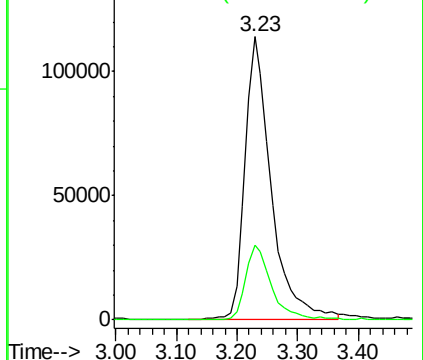
43 100

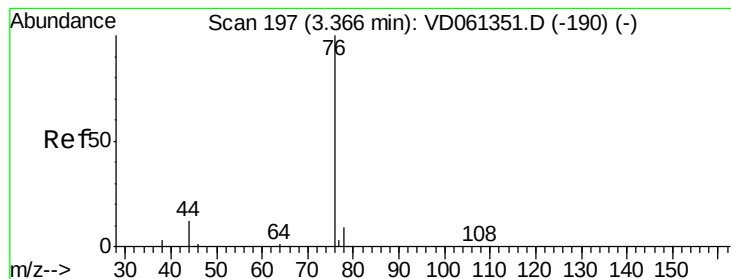
58 26.2 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 49.144 ug/l

RT: 3.40 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

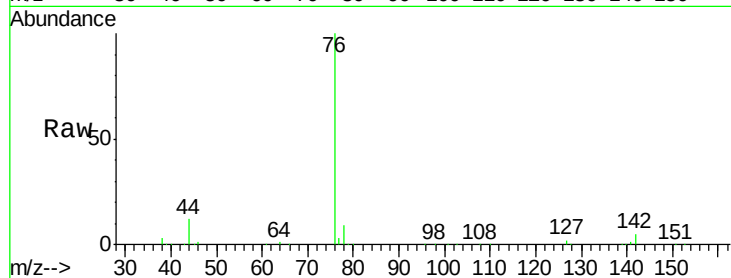
VSTDCCC050

Tot Ion: 76 Resp: 1125934

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.40

400000

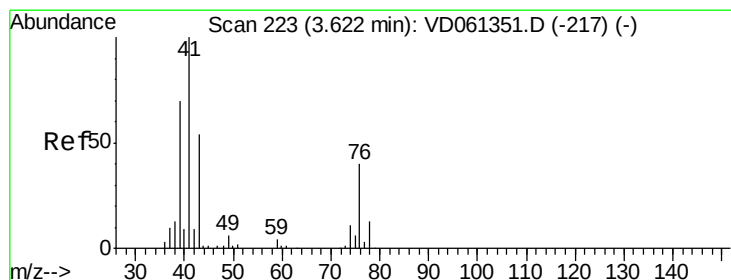
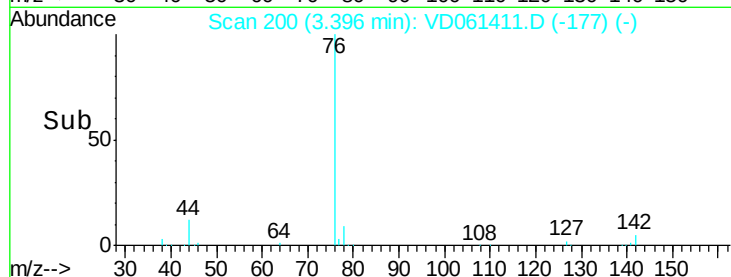
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 56.583 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061411.D

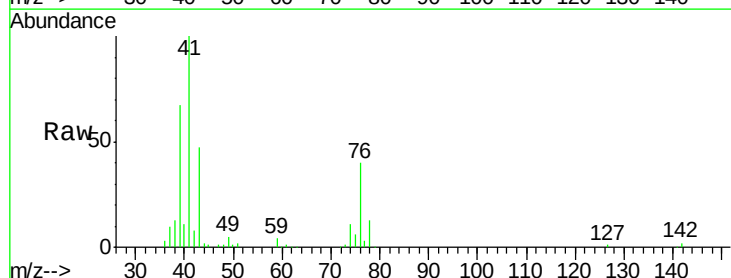
Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 171633

Ion Ratio Lower Upper

43 100

74 23.1 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

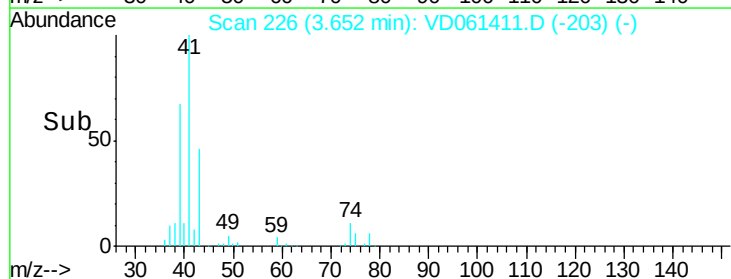
60000

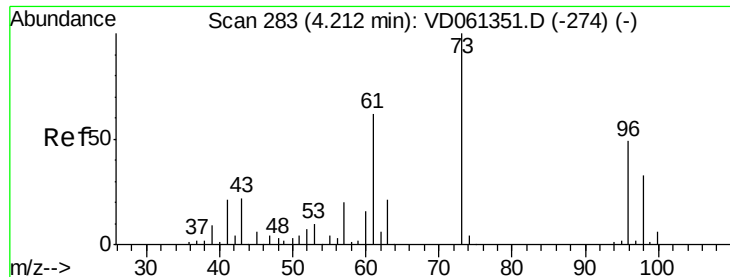
40000

20000

0

Time-->

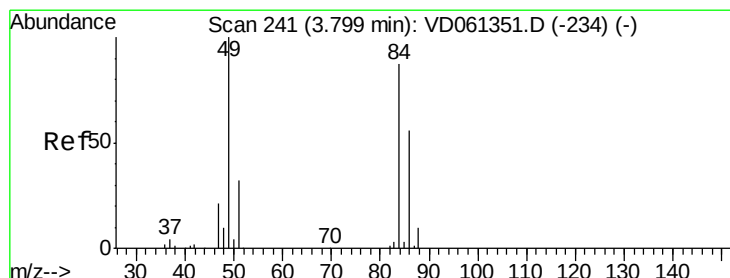
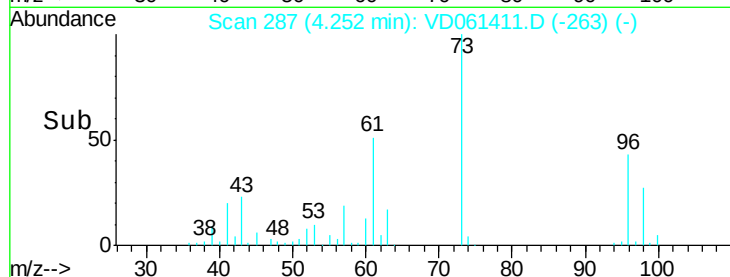
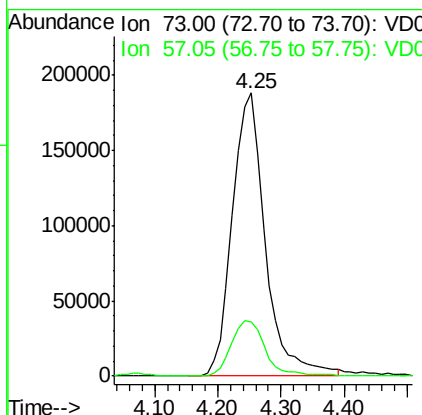
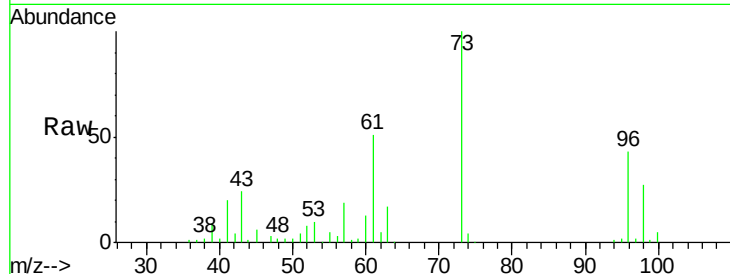




#19  
Methyl tert-butyl Ether  
Concen: 55.946 ug/l  
RT: 4.25 min Scan# 287  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

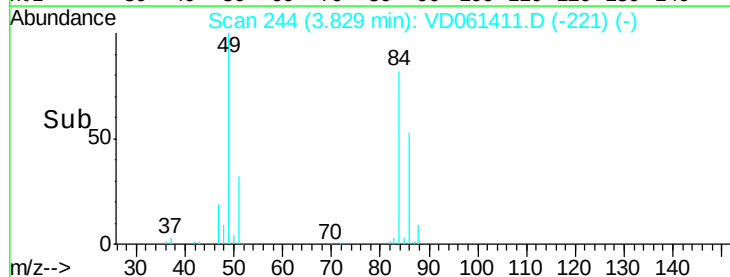
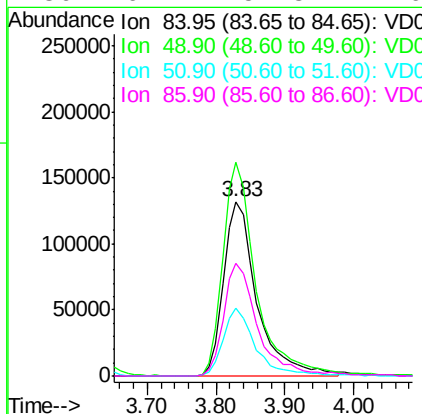
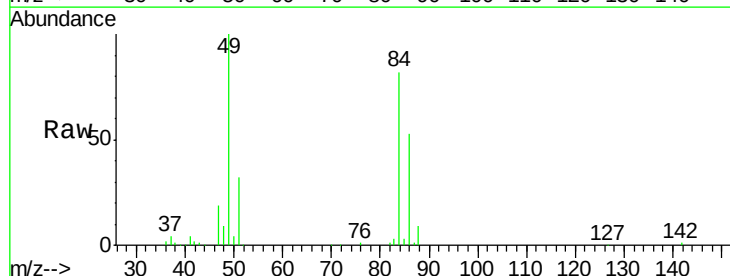
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

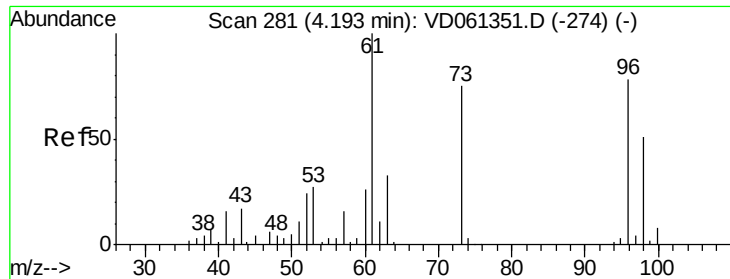
Tot Ion: 73 Resp: 682894  
Ion Ratio Lower Upper  
73 100  
57 19.3 16.4 24.6



#20  
Methylene Chloride  
Concen: 55.116 ug/l  
RT: 3.83 min Scan# 244  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 84 Resp: 443847  
Ion Ratio Lower Upper  
84 100  
49 122.4 91.8 137.8  
51 39.0 29.8 44.8  
86 64.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.823 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

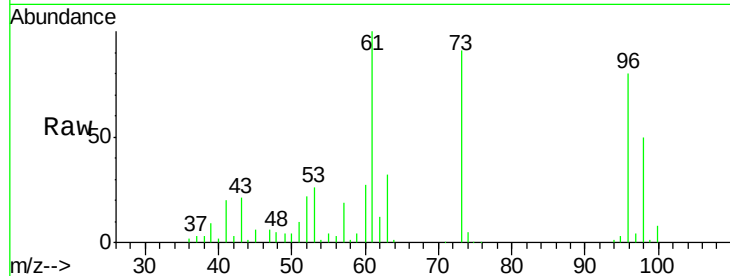
Tot Ion: 96 Resp: 402153

Ion Ratio Lower Upper

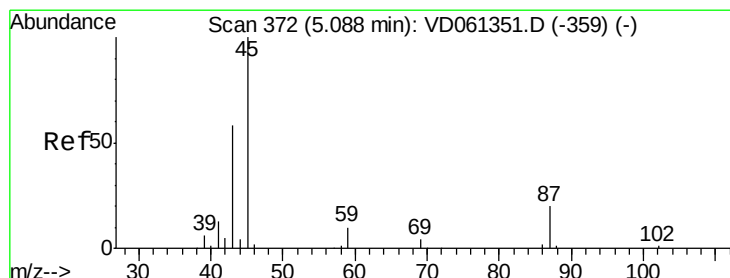
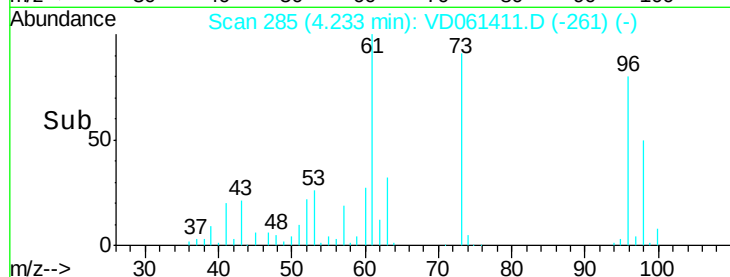
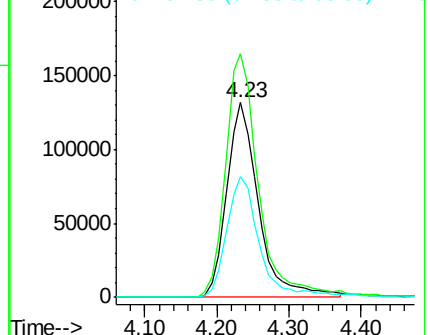
96 100

61 125.1 102.7 154.1

98 62.0 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 57.763 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Tgt Ion: 45 Resp: 1202239

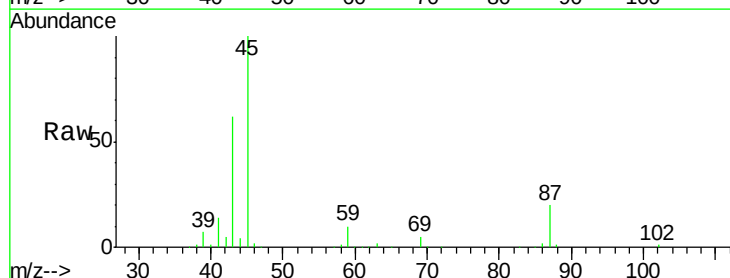
Ion Ratio Lower Upper

45 100

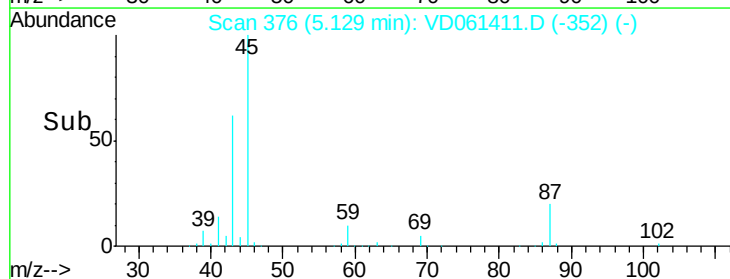
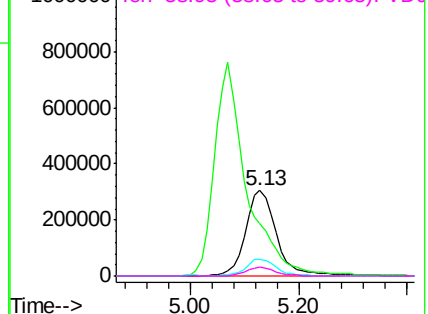
43 62.2 47.4 71.2

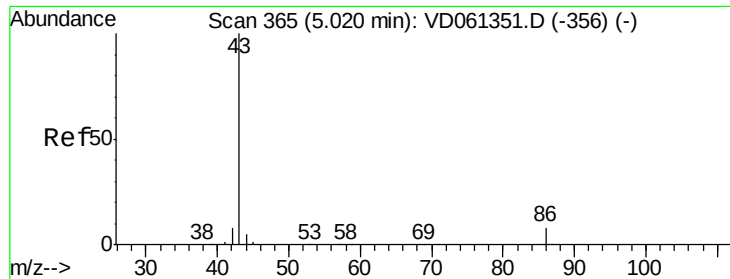
87 20.2 16.3 24.5

59 10.4 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC

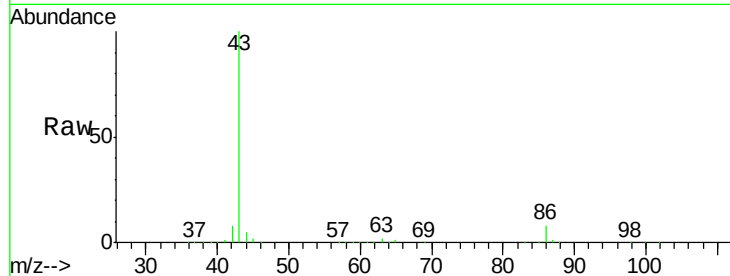




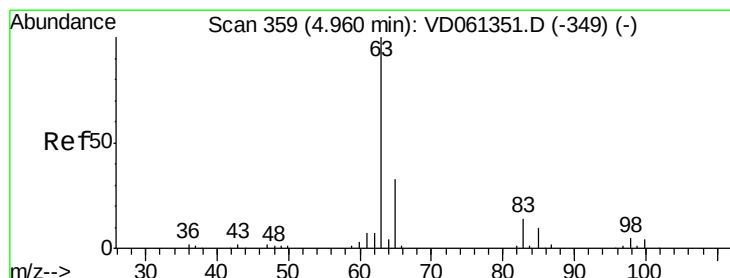
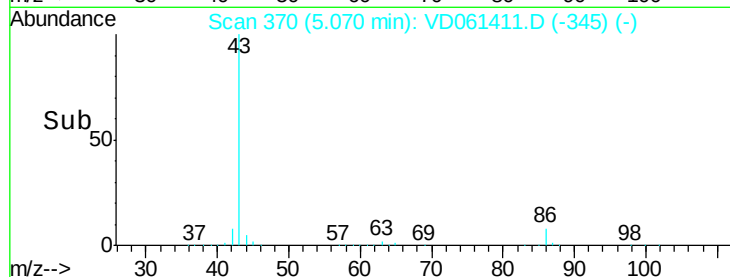
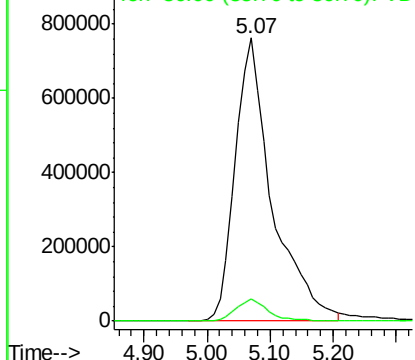
#23  
 Vinyl Acetate  
 Concen: 273.433 ug/l  
 RT: 5.07 min Scan# 370  
 Delta R.T. 0.05 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 43 Resp: 3091323  
 Ion Ratio Lower Upper  
 43 100  
 86 8.0 6.7 10.1

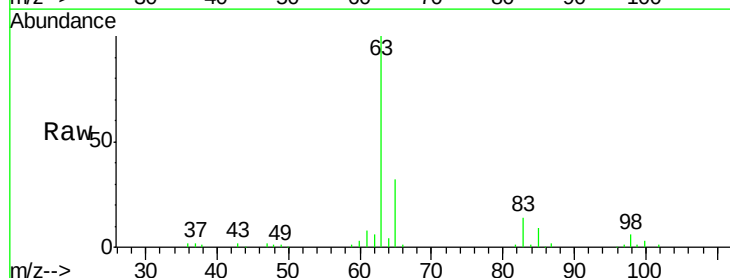


Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 86.00 (85.70 to 86.70): VDC

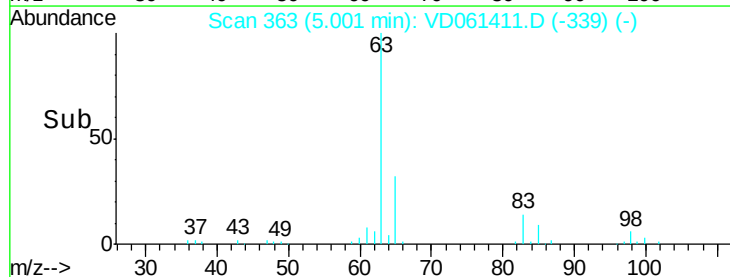
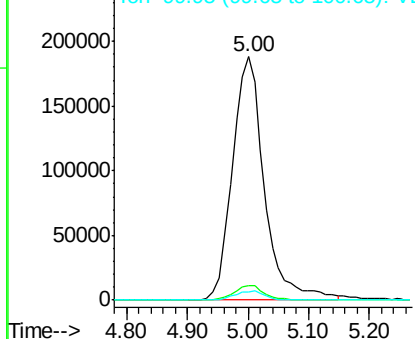


#24  
 1,1-Dichloroethane  
 Concen: 56.072 ug/l  
 RT: 5.00 min Scan# 363  
 Delta R.T. 0.04 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

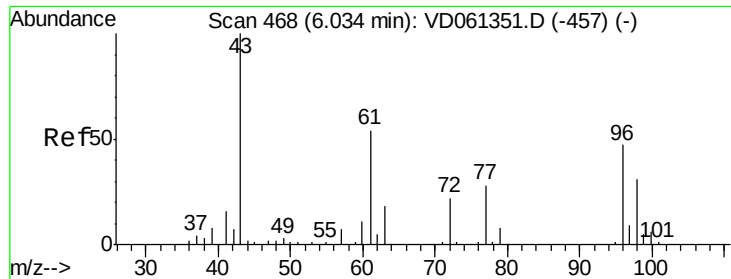
Tgt Ion: 63 Resp: 685859  
 Ion Ratio Lower Upper  
 63 100  
 98 5.8 2.6 8.0  
 100 3.4 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC  
 Ion 97.95 (97.65 to 98.65): VDC  
 Ion 99.95 (99.65 to 100.65): VDC







#25

2-Butanone

Concen: 257.446 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

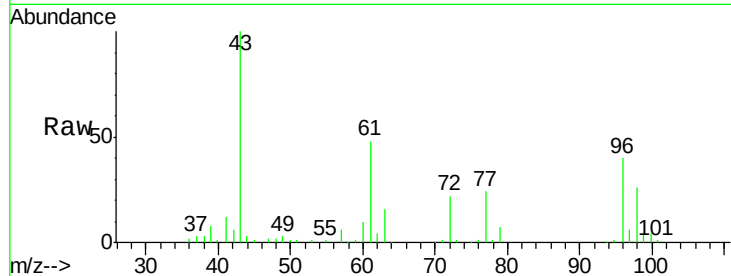
VSTDCCC050

Tot Ion: 43 Resp: 467201

Ion Ratio Lower Upper

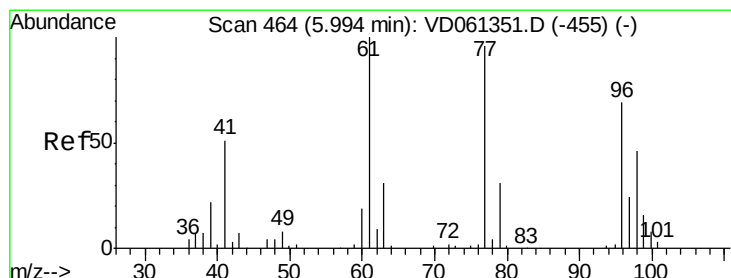
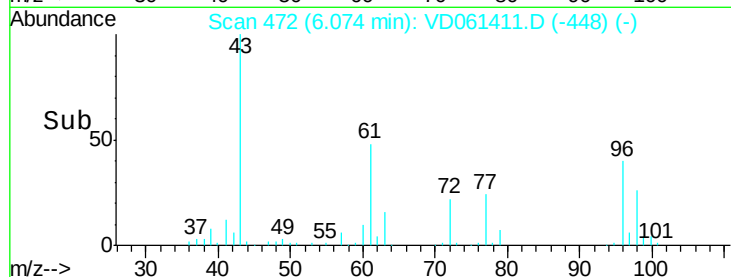
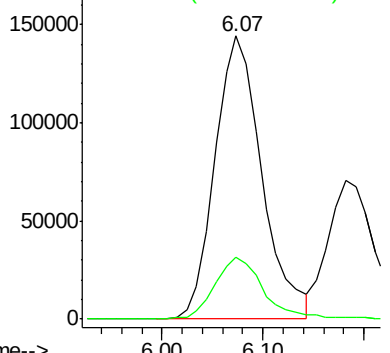
43 100

72 21.9 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 50.259 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061411.D

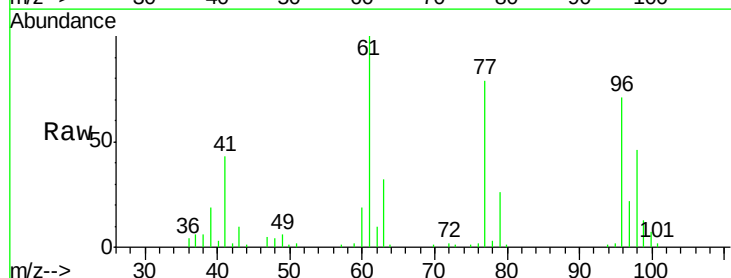
Acq: 29 Mar 2019 2:28

Tgt Ion: 77 Resp: 488687

Ion Ratio Lower Upper

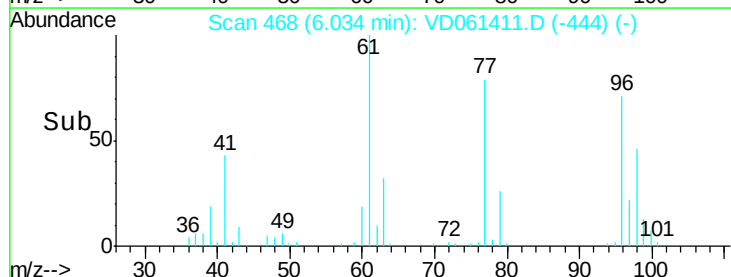
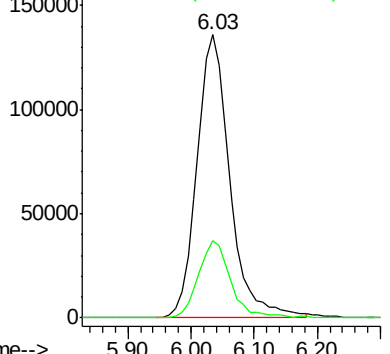
77 100

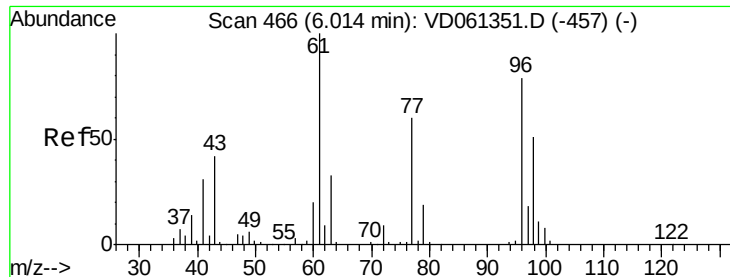
97 27.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



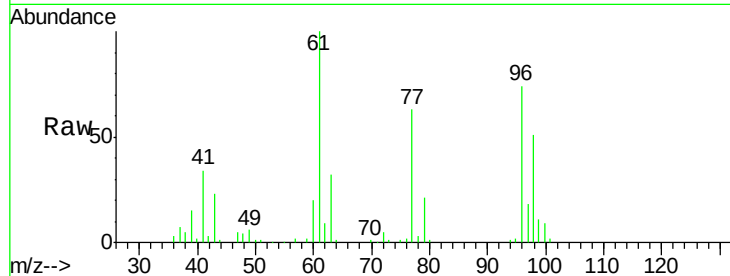


#27

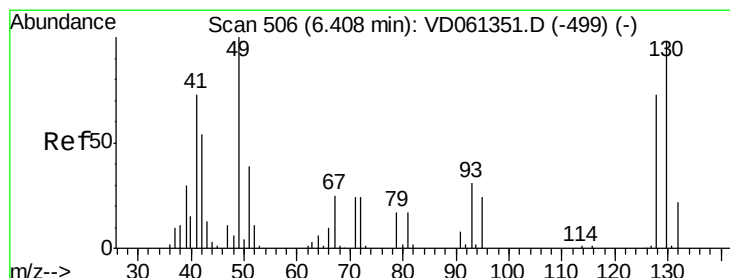
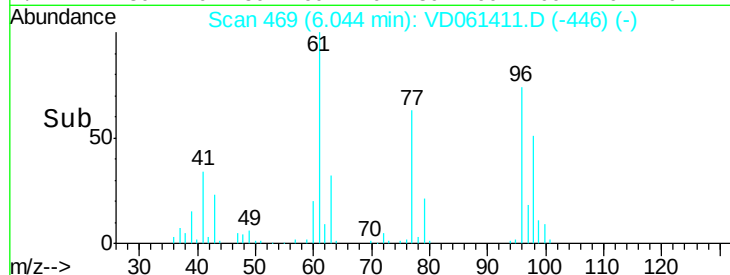
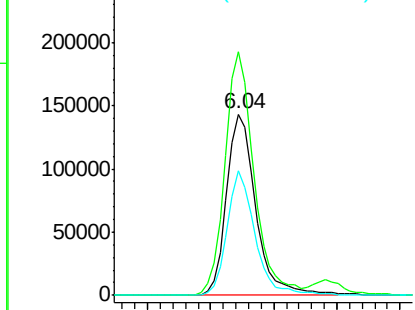
cis-1,2-Dichloroethene  
Concen: 55.094 ug/l  
RT: 6.04 min Scan# 469  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 96 Resp: 459550  
Ion Ratio Lower Upper  
96 100  
61 134.5 0.0 251.6  
98 68.5 0.0 129.2



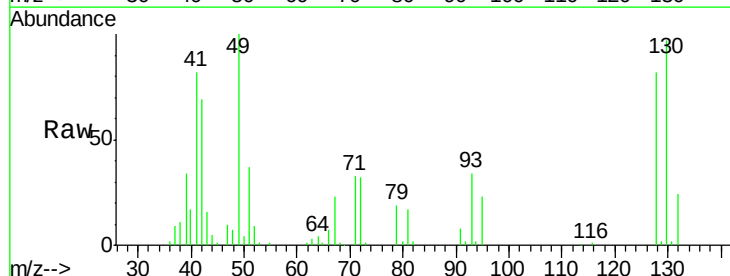
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



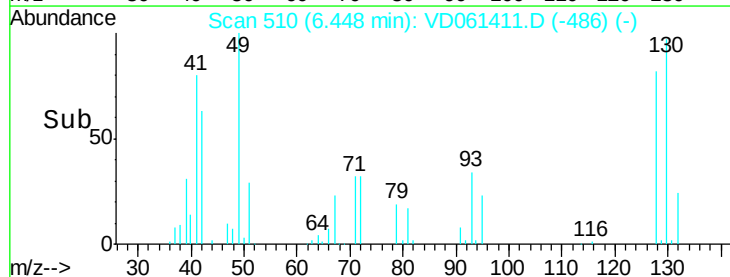
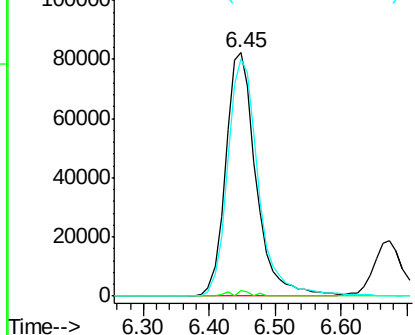
#28

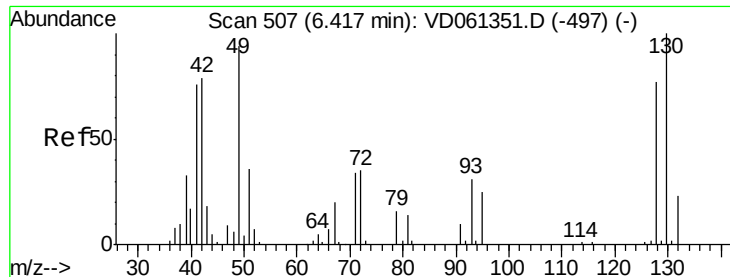
Bromochloromethane  
Concen: 53.699 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 49 Resp: 265141  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 0.0#  
130 97.5 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): VDC  
Ion 129.80 (129.50 to 130.50): VDC

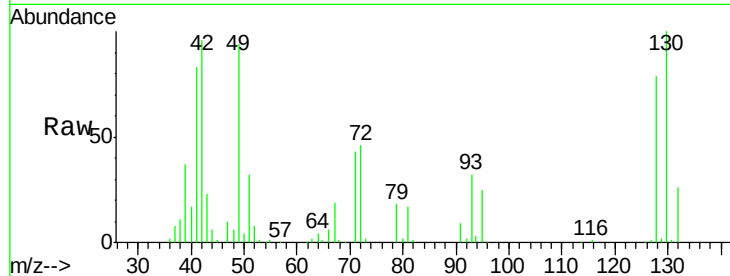




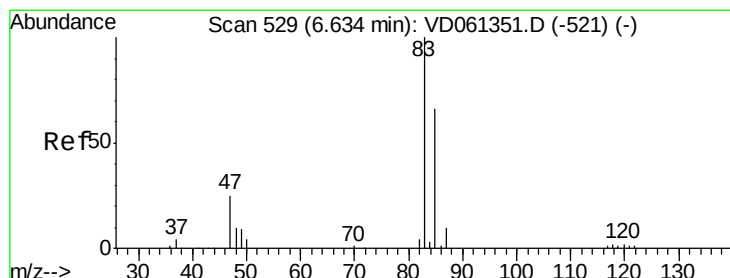
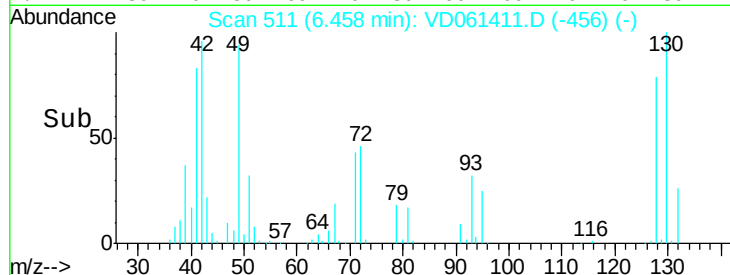
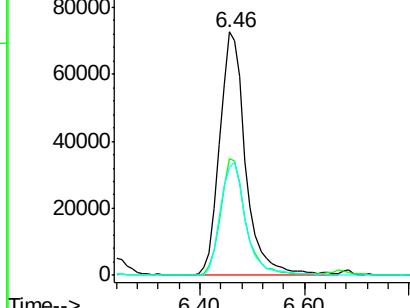
#29  
Tetrahydrofuran  
Concen: 286.108 ug/l  
RT: 6.46 min Scan# 511  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 42 Resp: 251661  
Ion Ratio Lower Upper  
42 100  
72 46.2 37.4 56.0  
71 45.4 36.7 55.1

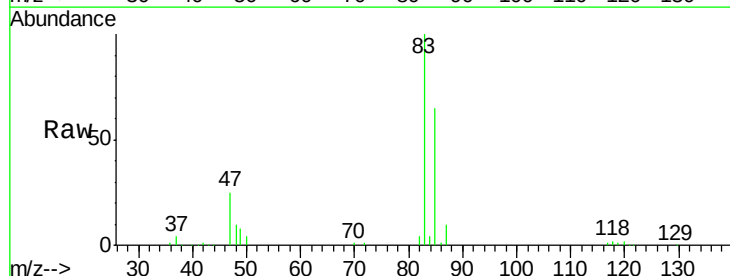


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

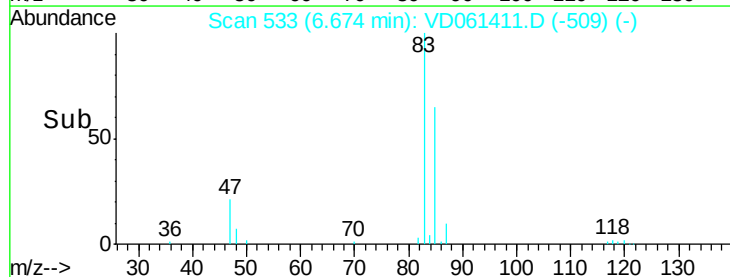
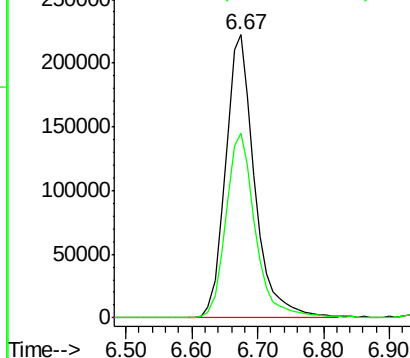


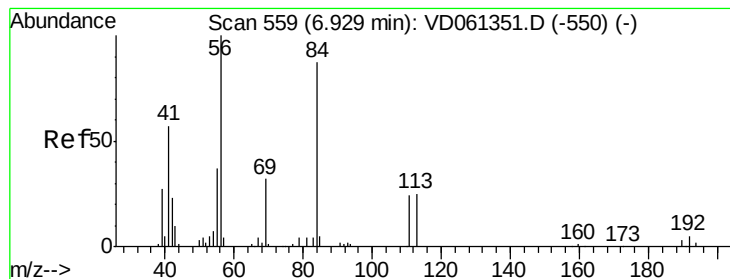
#30  
Chloroform  
Concen: 54.385 ug/l  
RT: 6.67 min Scan# 533  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 83 Resp: 687356  
Ion Ratio Lower Upper  
83 100  
85 65.3 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 52.239 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

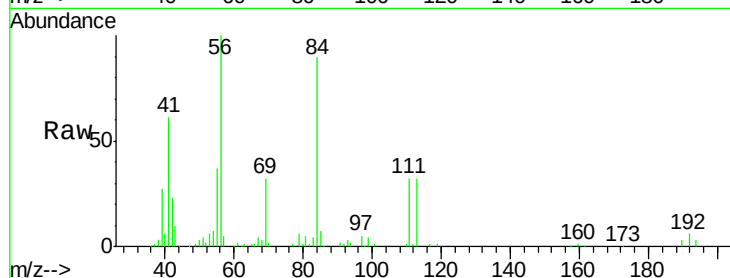
Tot Ion: 56 Resp: 504941

Ion Ratio Lower Upper

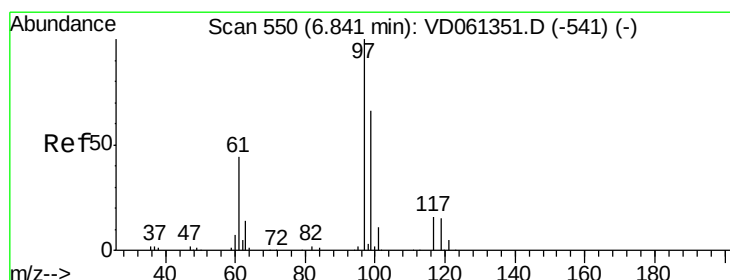
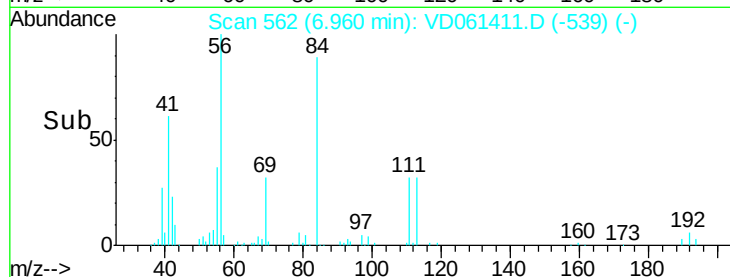
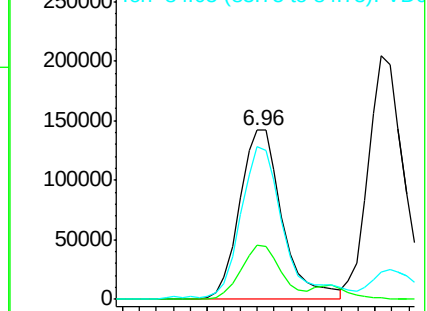
56 100

69 32.1 25.7 38.5

84 89.9 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.669 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

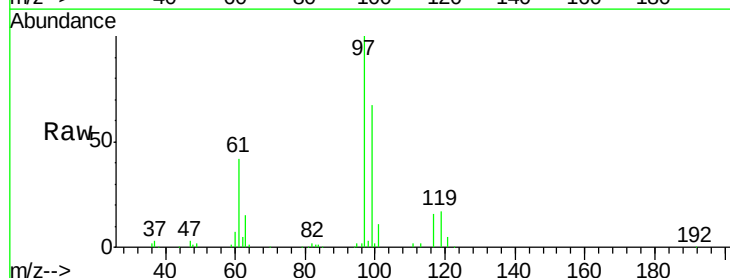
Tgt Ion: 97 Resp: 564970

Ion Ratio Lower Upper

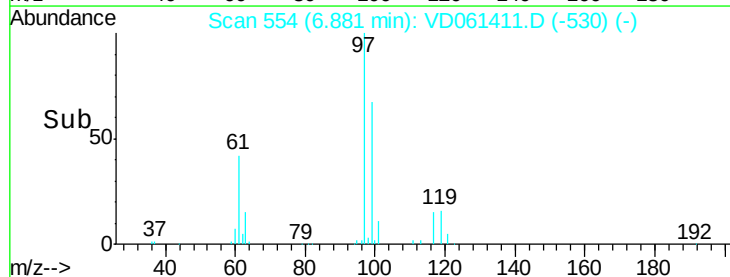
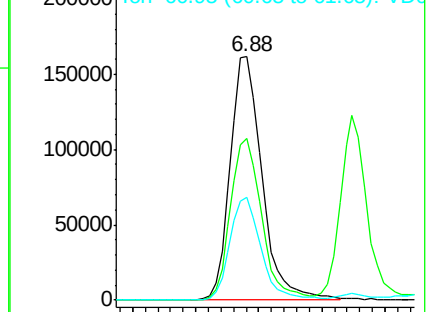
97 100

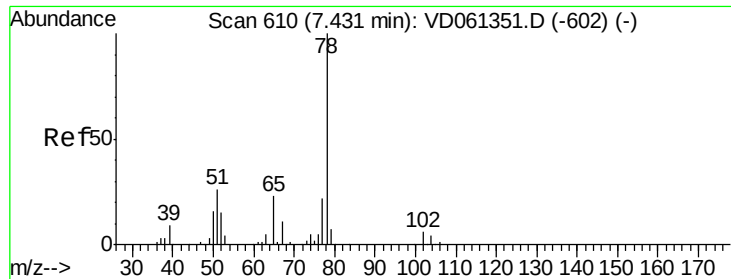
99 66.5 53.1 79.7

61 42.4 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC

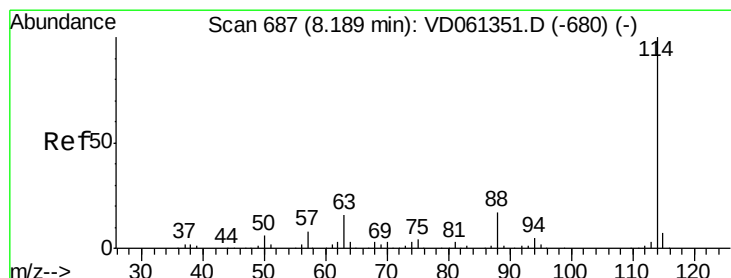
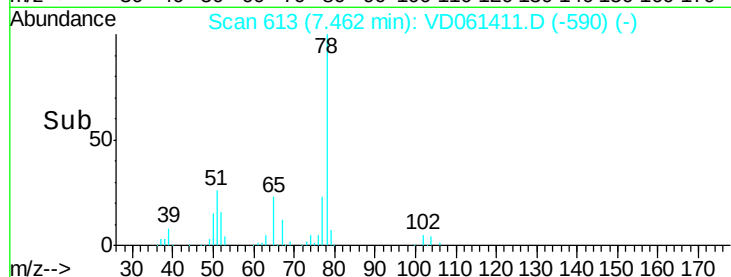
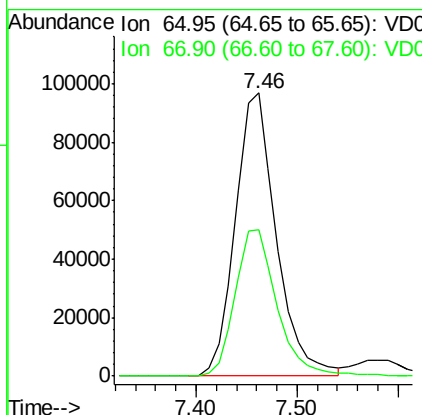
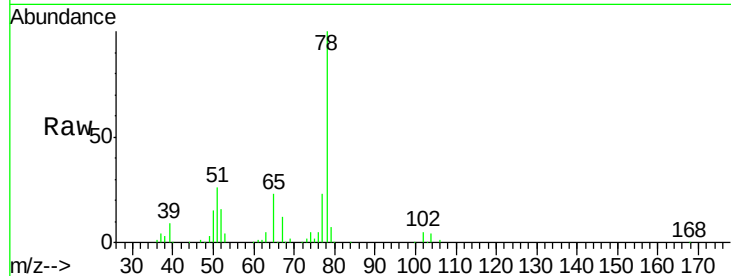




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.669 ug/l  
 RT: 7.46 min Scan# 613  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

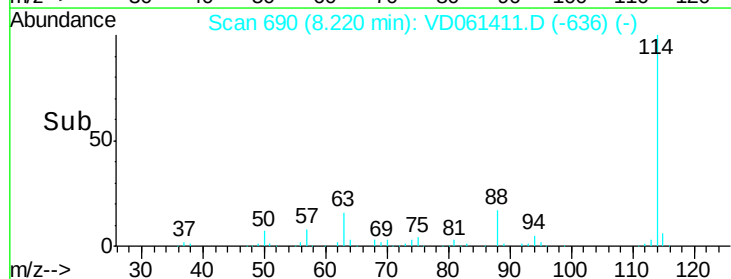
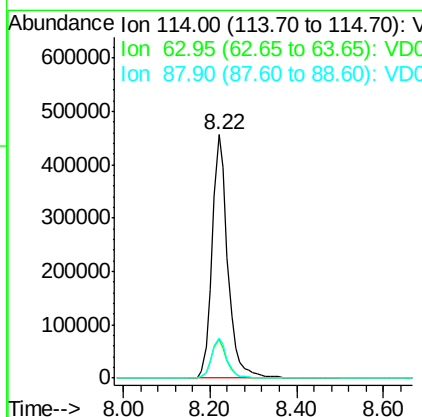
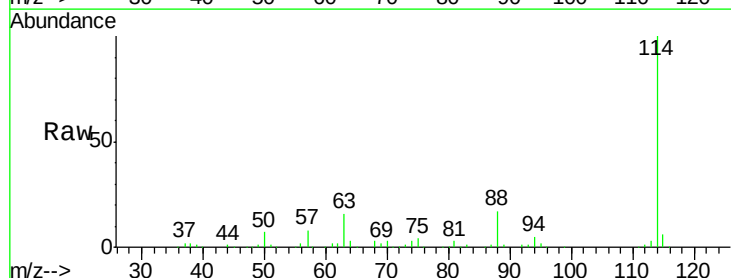
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

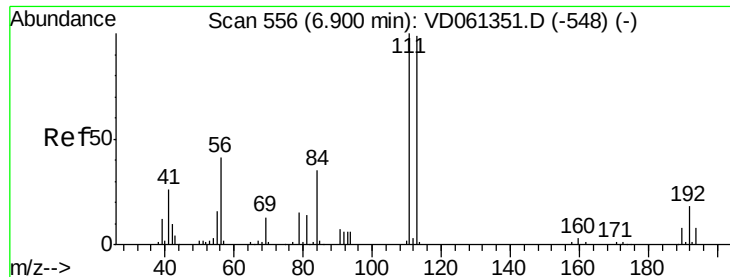
Tot Ion: 65 Resp: 273378  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 99.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion: 114 Resp: 1145303  
 Ion Ratio Lower Upper  
 114 100  
 63 15.8 0.0 31.6  
 88 16.7 0.0 33.4

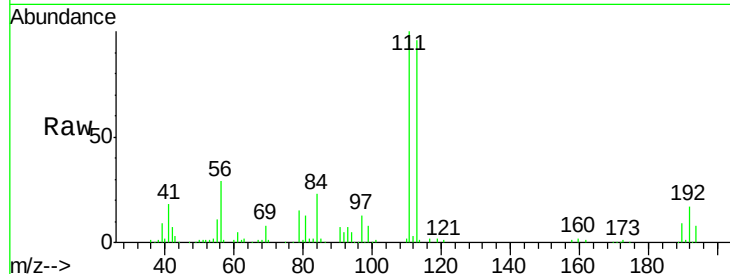




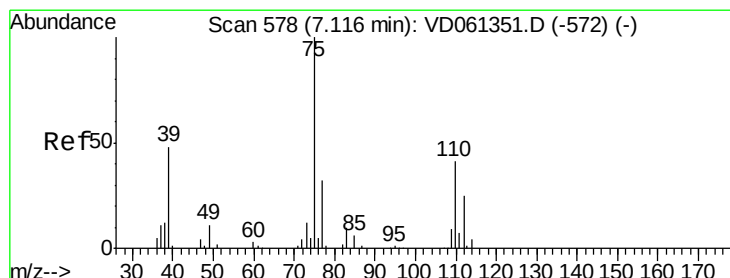
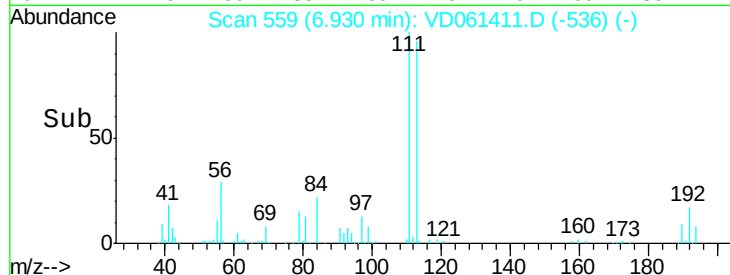
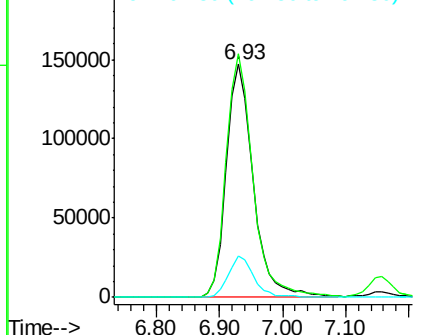
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.93 min Scan# 559  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.4 | 81.0  | 121.6 |
| 192     | 17.9  | 14.4  | 21.6  |

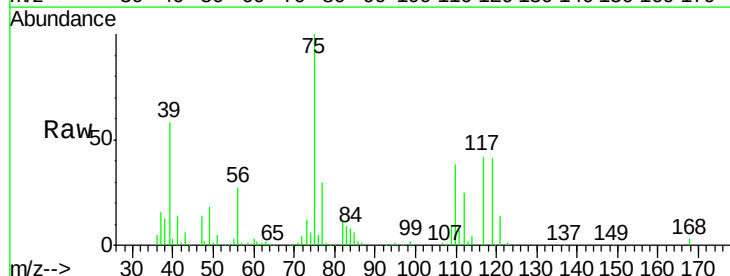


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

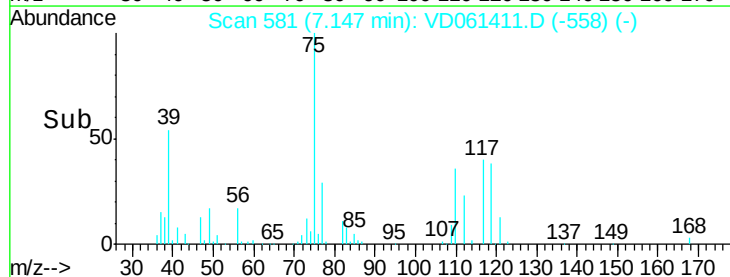
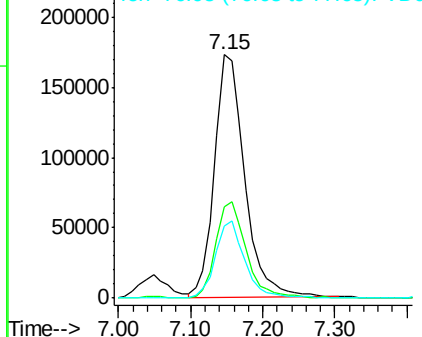


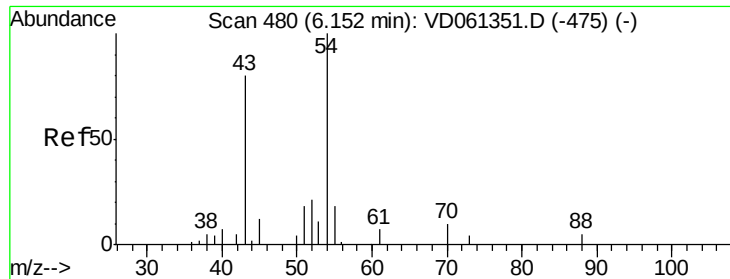
#36  
 1,1-Dichloropropene  
 Concen: 49.920 ug/l  
 RT: 7.15 min Scan# 581  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.6  | 20.4  | 61.3  |
| 77      | 29.6  | 24.9  | 37.3  |



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

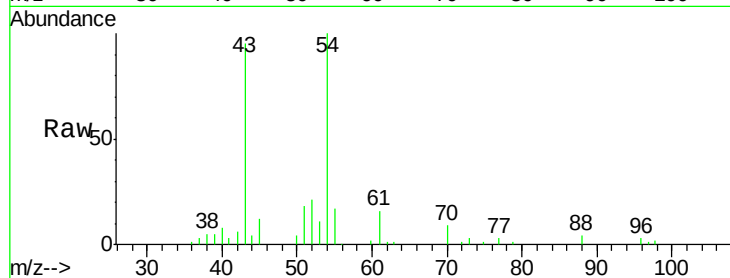




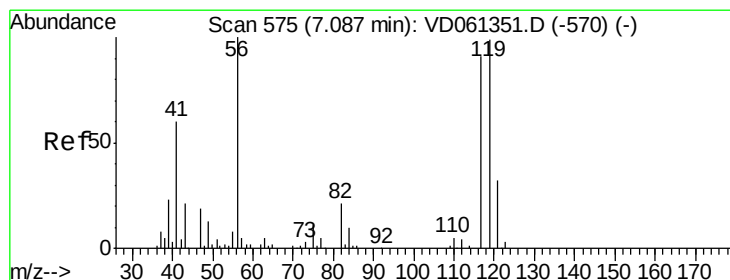
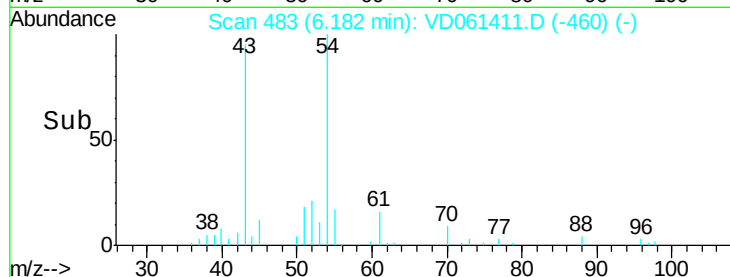
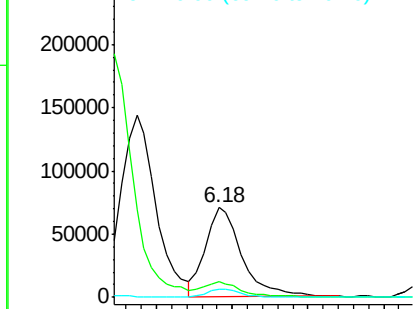
#37  
Ethyl Acetate  
Concen: 54.454 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 232791  
Ion Ratio Lower Upper  
43 100  
61 17.3 13.8 20.8  
70 9.2 7.8 11.8

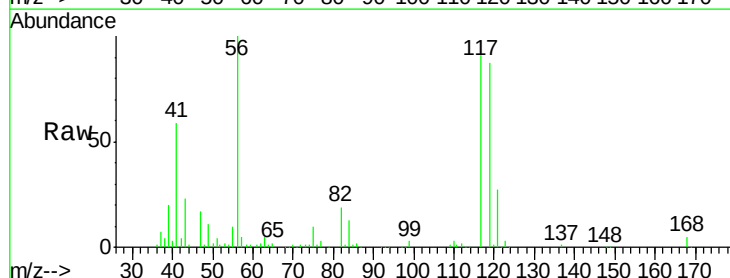


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

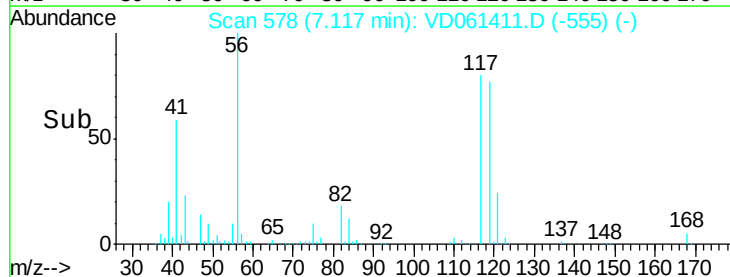
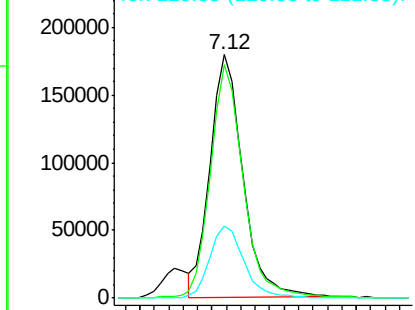


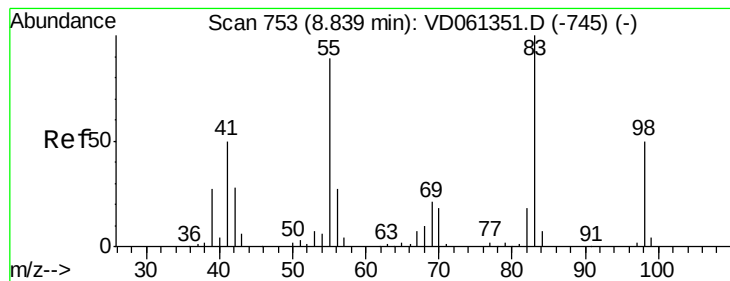
#38  
Carbon Tetrachloride  
Concen: 48.851 ug/l  
RT: 7.12 min Scan# 578  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 117 Resp: 561120  
Ion Ratio Lower Upper  
117 100  
119 95.9 80.1 120.1  
121 29.6 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 49.076 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

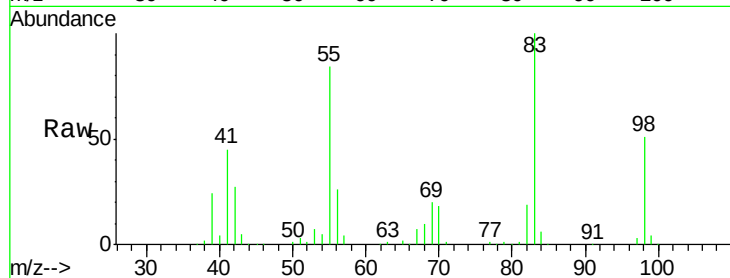
Tot Ion: 83 Resp: 510913

Ion Ratio Lower Upper

83 100

55 84.3 71.5 107.3

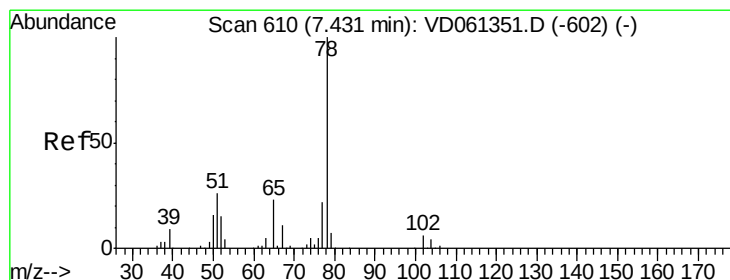
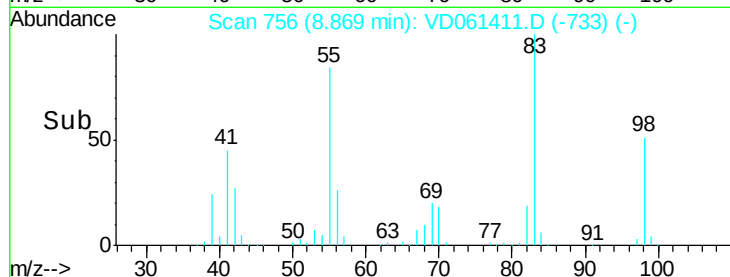
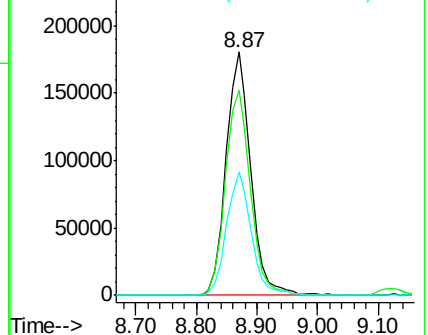
98 50.7 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.478 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061411.D

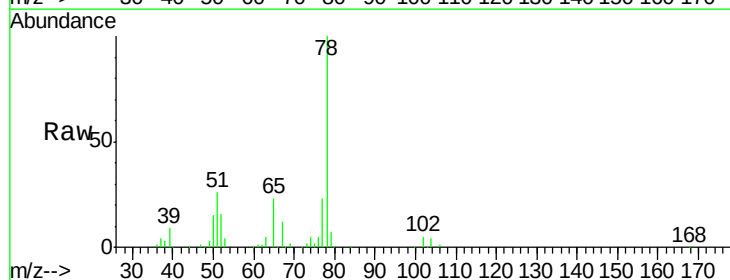
Acq: 29 Mar 2019 2:28

Tgt Ion: 78 Resp: 1266337

Ion Ratio Lower Upper

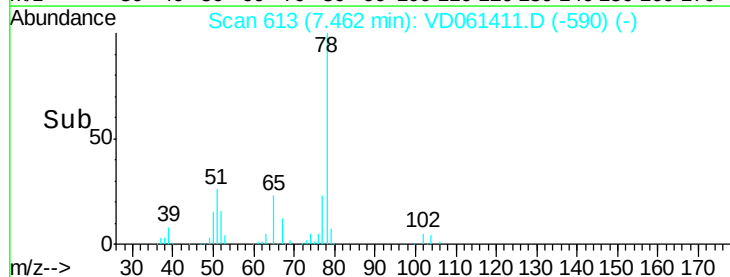
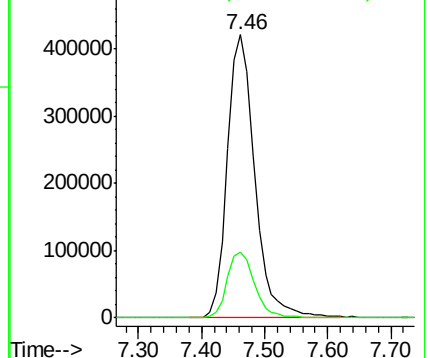
78 100

77 23.4 17.8 26.6

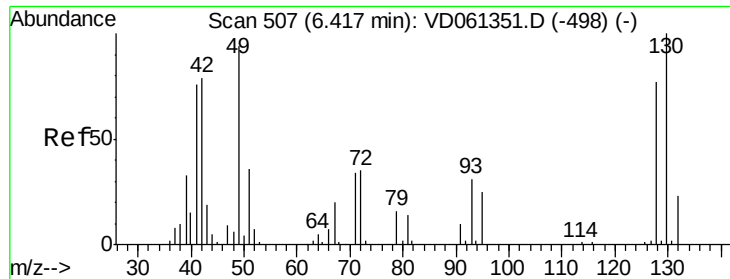


Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



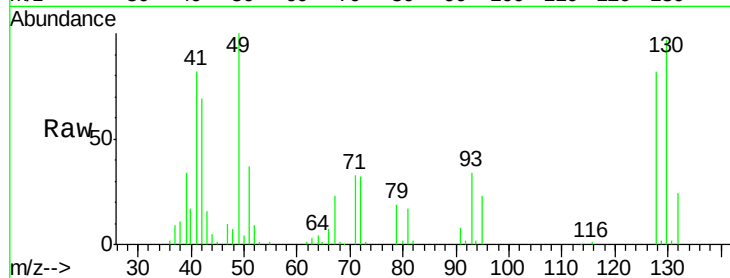




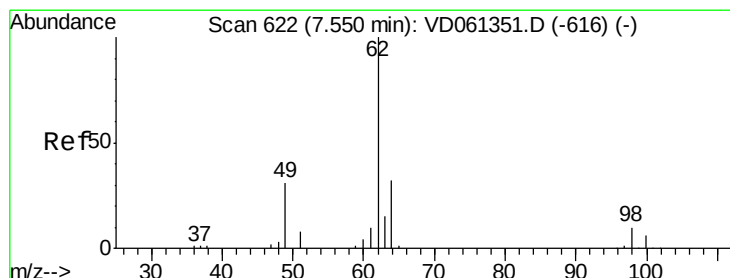
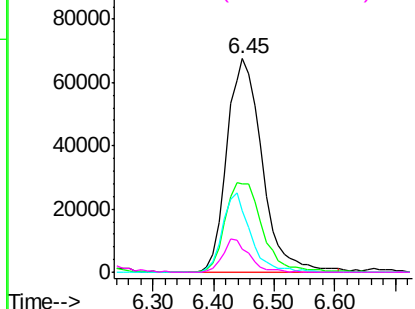
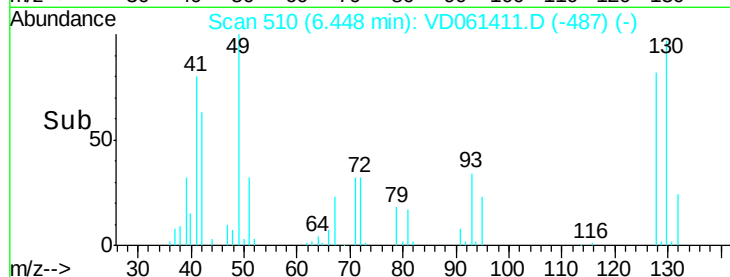
#41  
Methacrylonitrile  
Concen: 54.647 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 41 Resp: 273154  
Ion Ratio Lower Upper  
41 100  
39 41.2 35.0 52.6  
67 28.6 21.0 31.6  
52 10.9 7.7 11.5

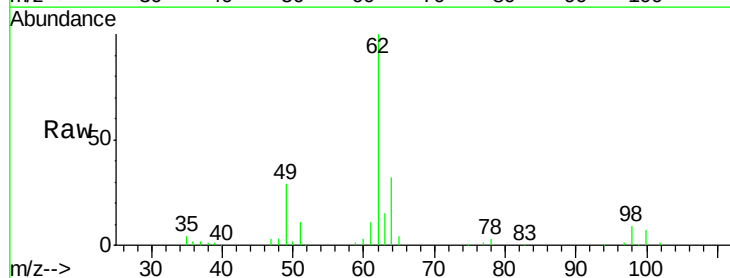


Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 38.95 (38.65 to 39.65): VDC  
Ion 67.00 (66.70 to 67.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC

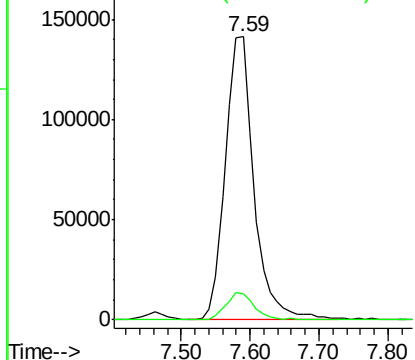
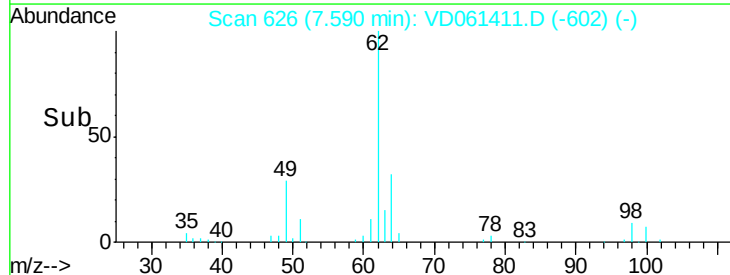


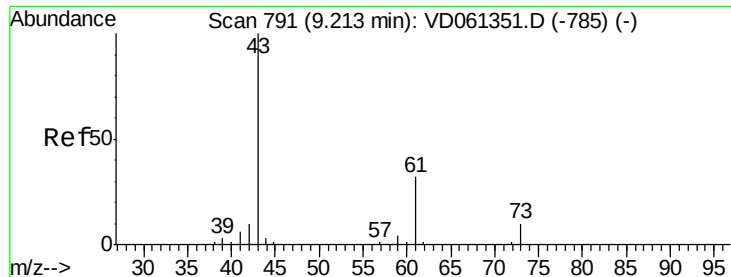
#42  
1,2-Dichloroethane  
Concen: 54.544 ug/l  
RT: 7.59 min Scan# 626  
Delta R.T. 0.04 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 62 Resp: 409308  
Ion Ratio Lower Upper  
62 100  
98 9.3 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 52.864 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

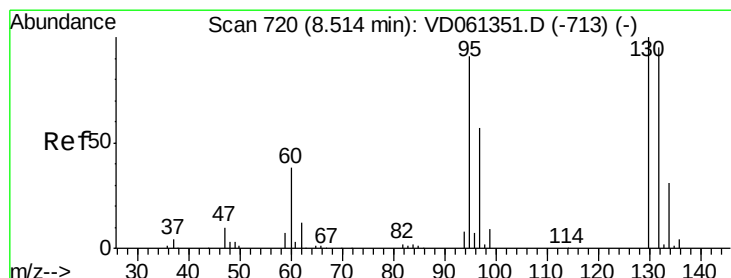
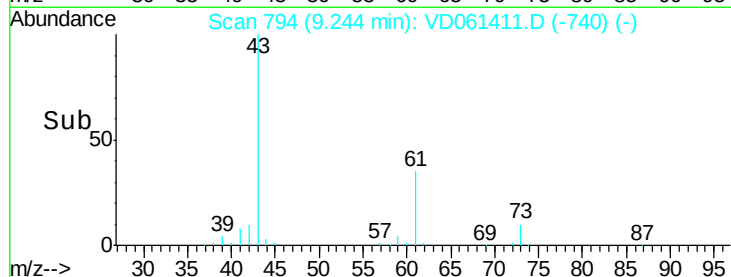
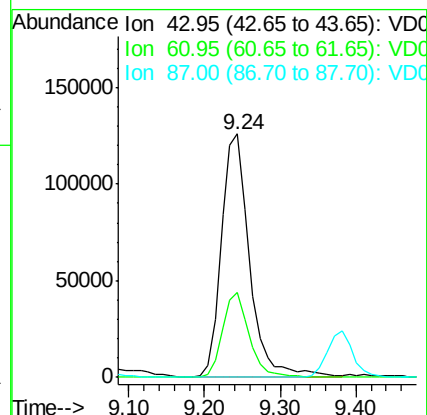
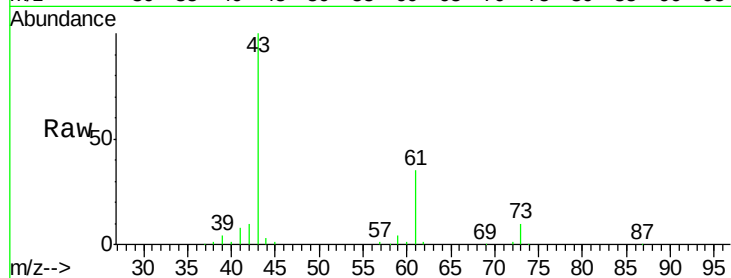
Tot Ion: 43 Resp: 328820

Ion Ratio Lower Upper

43 100

61 35.0 25.8 38.6

87 0.4 0.0 0.0#



#44

Trichloroethene

Concen: 52.756 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.03 min

Lab File: VD061411.D

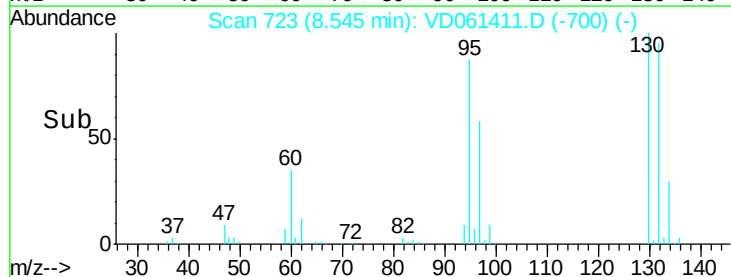
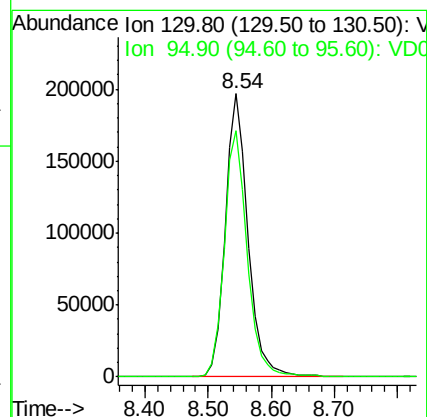
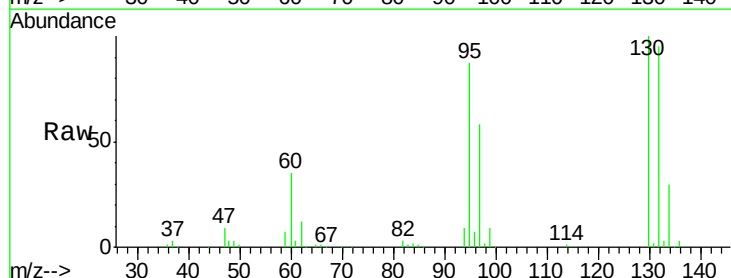
Acq: 29 Mar 2019 2:28

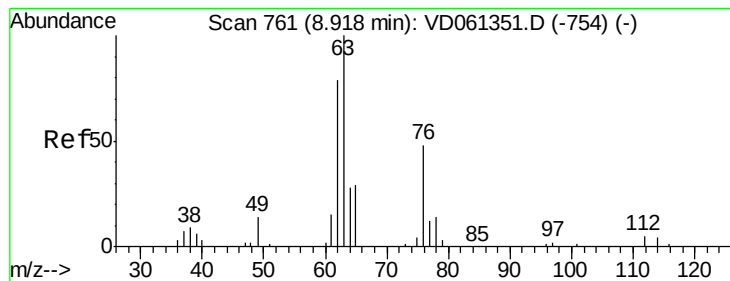
Tgt Ion: 130 Resp: 492529

Ion Ratio Lower Upper

130 100

95 87.2 0.0 181.4





#45

1,2-Dichloropropane

Concen: 52.859 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

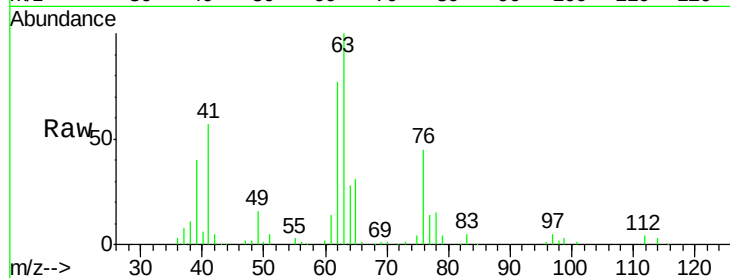
VSTDCCC050

Tot Ion: 63 Resp: 336254

Ion Ratio Lower Upper

63 100

65 31.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

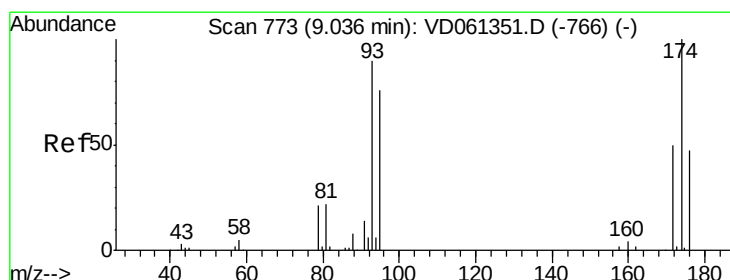
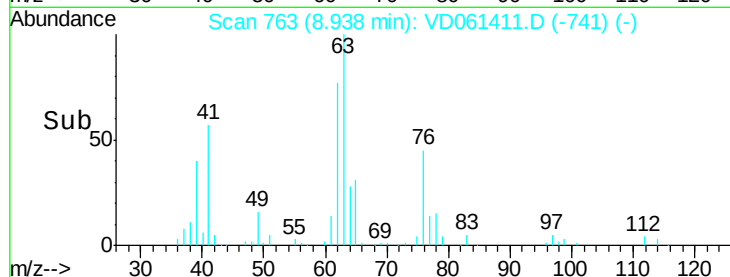
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 56.182 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

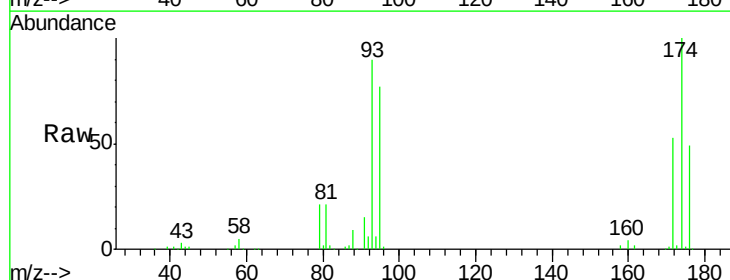
Tgt Ion: 93 Resp: 240550

Ion Ratio Lower Upper

93 100

95 85.0 67.4 101.0

174 110.6 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.07

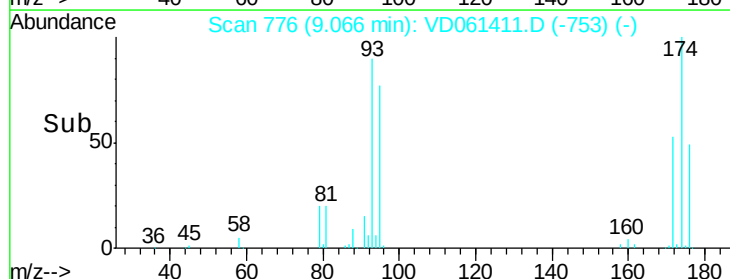
150000

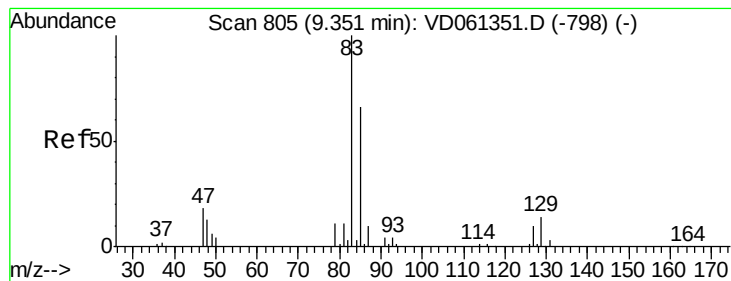
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 56.163 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

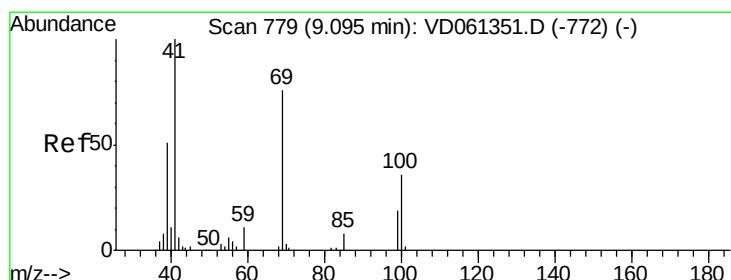
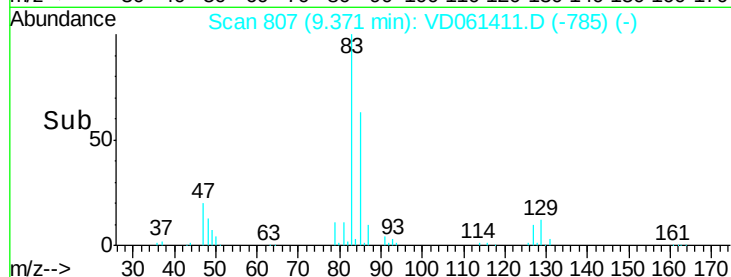
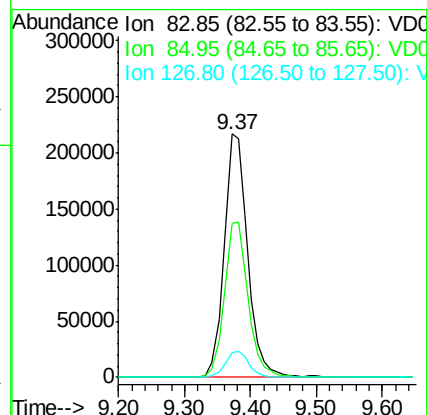
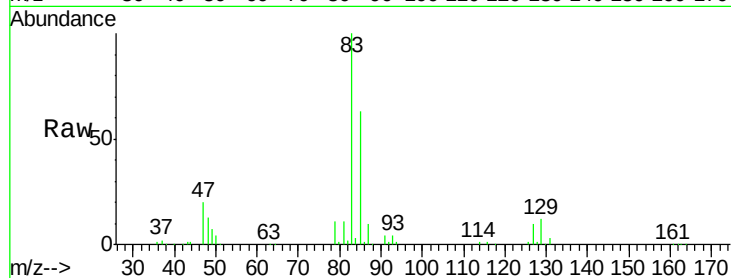
Tot Ion: 83 Resp: 539727

Ion Ratio Lower Upper

83 100

85 63.0 53.0 79.4

127 9.9 8.4 12.6



#48

Methyl methacrylate

Concen: 56.685 ug/l

RT: 9.13 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

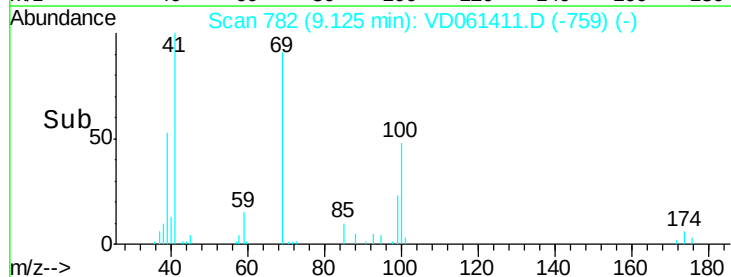
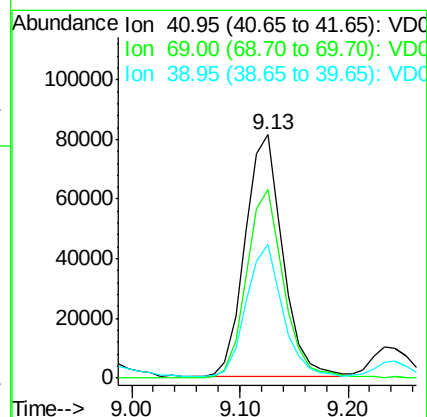
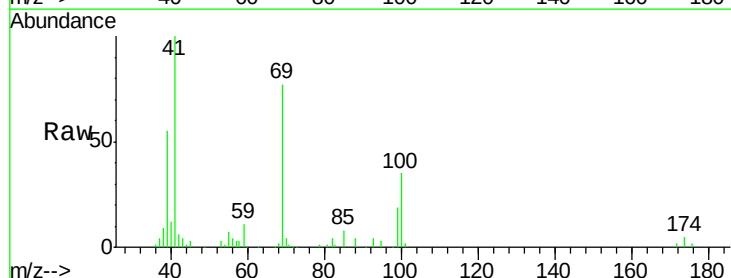
Tgt Ion: 41 Resp: 194587

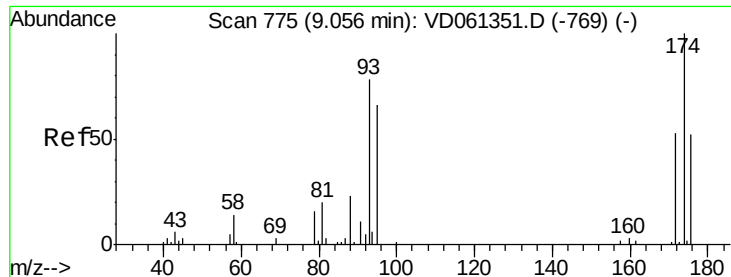
Ion Ratio Lower Upper

41 100

69 77.4 60.2 90.4

39 55.1 41.4 62.2





#49

1,4-Dioxane

Concen: 1135.270 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.03 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

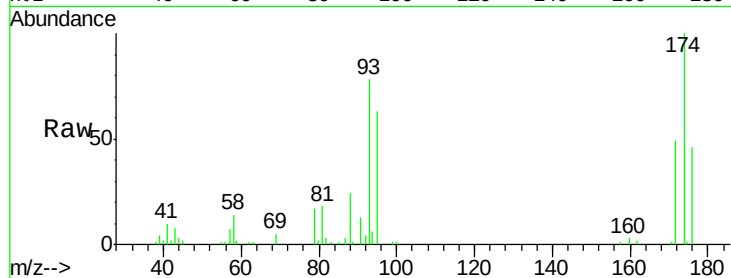
Tot Ion: 88 Resp: 42985

Ion Ratio Lower Upper

88 100

43 34.9 23.3 34.9

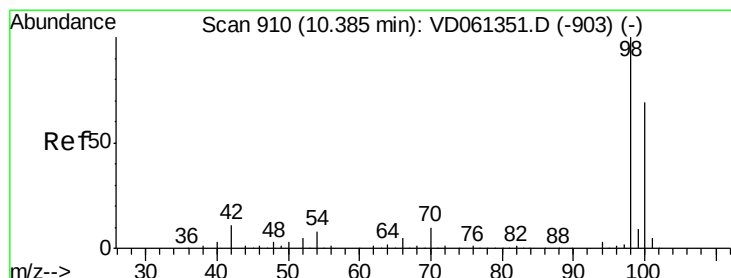
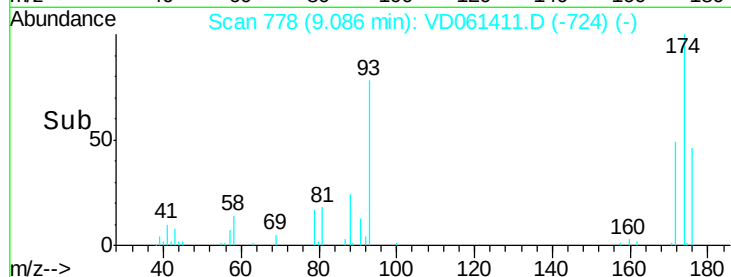
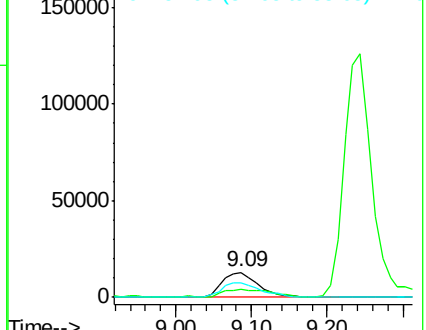
58 58.1 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1135.270 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.03 min

Lab File: VD061411.D

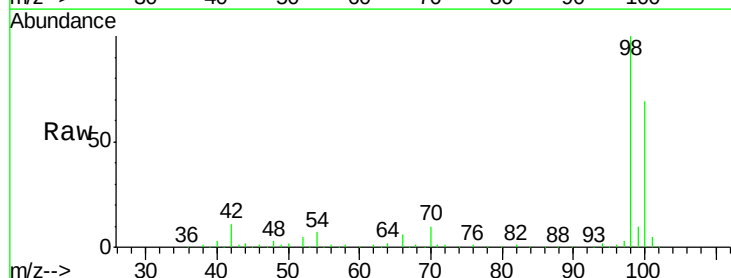
Acq: 29 Mar 2019 2:28

Tgt Ion: 98 Resp: 965855

Ion Ratio Lower Upper

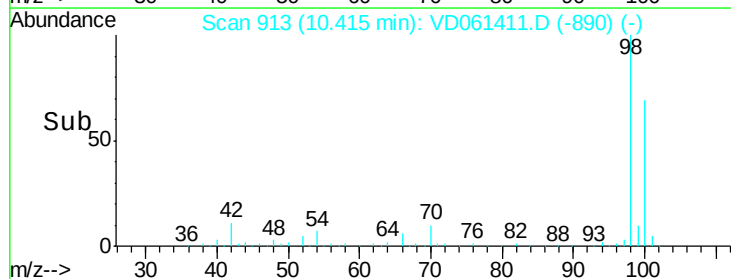
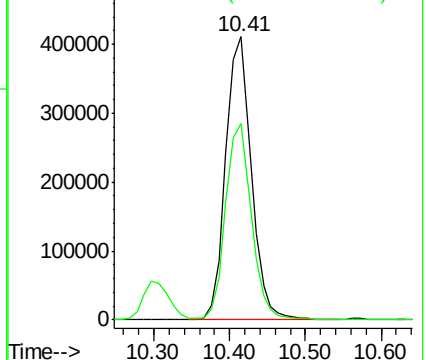
98 100

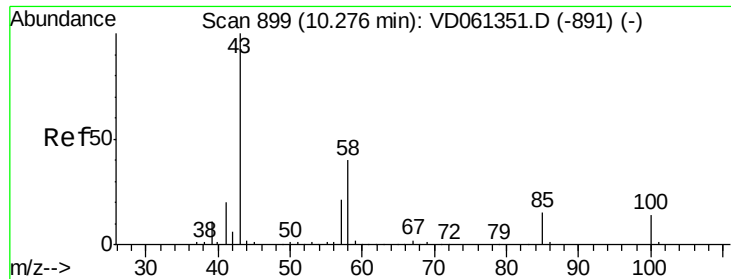
100 69.2 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 280.972 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

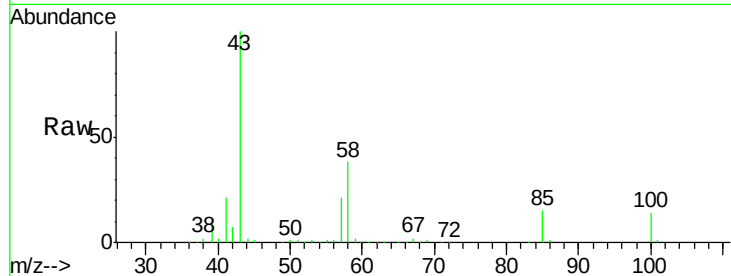
VSTDCCC050

Tot Ion: 43 Resp: 1063266

Ion Ratio Lower Upper

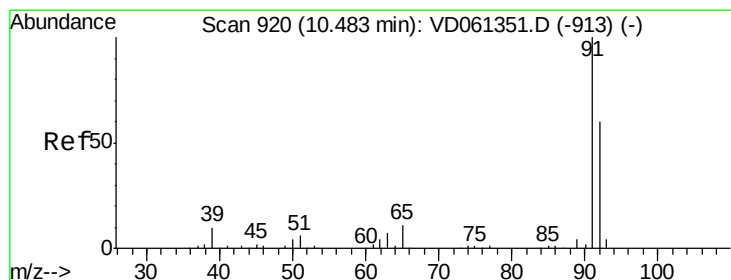
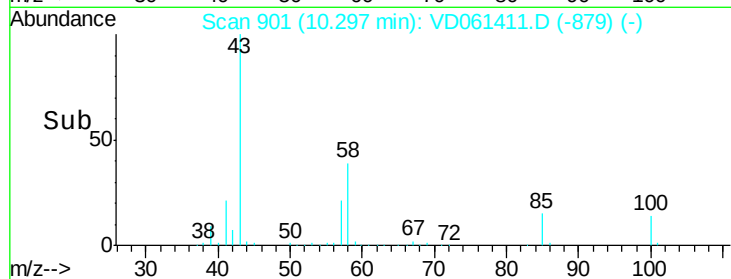
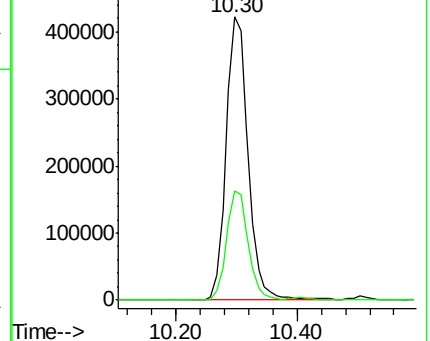
43 100

58 38.5 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.706 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061411.D

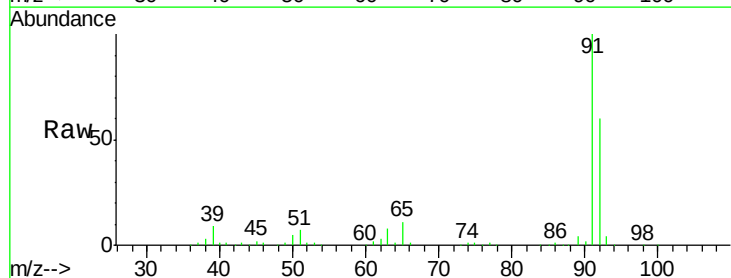
Acq: 29 Mar 2019 2:28

Tgt Ion: 92 Resp: 776051

Ion Ratio Lower Upper

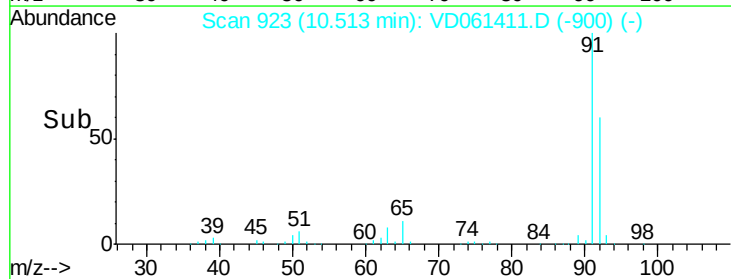
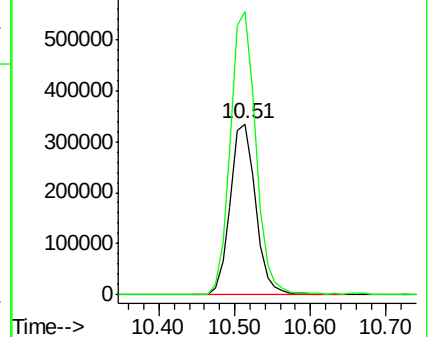
92 100

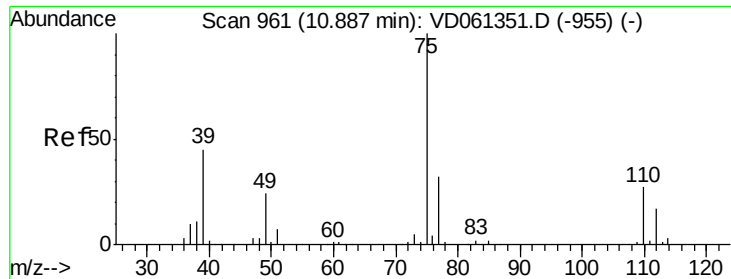
91 165.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

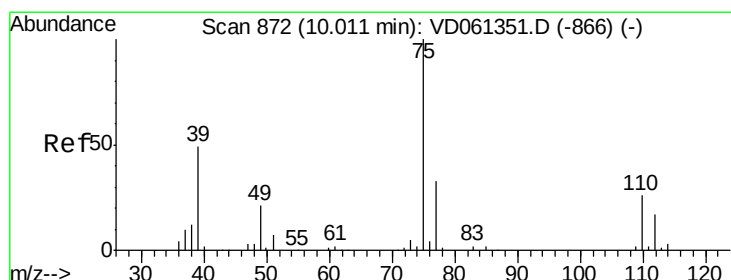
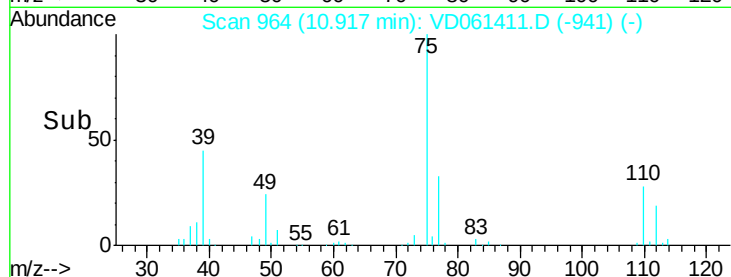
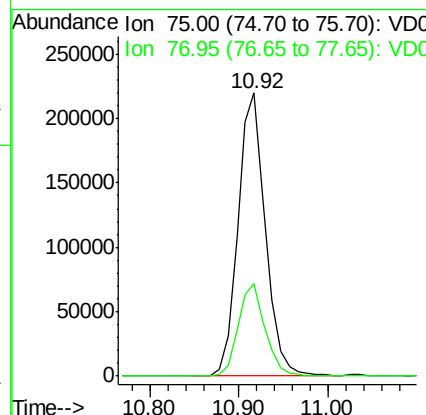
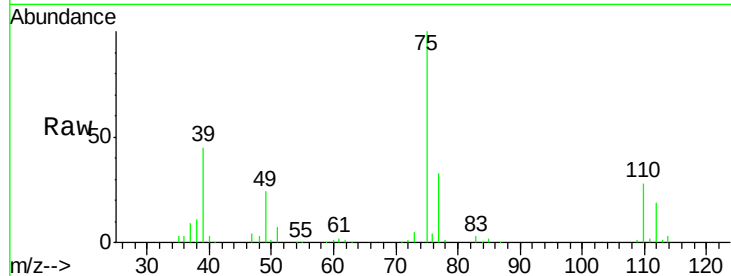




#53  
t-1,3-Dichloropropene  
Concen: 53.830 ug/l  
RT: 10.92 min Scan# 964  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

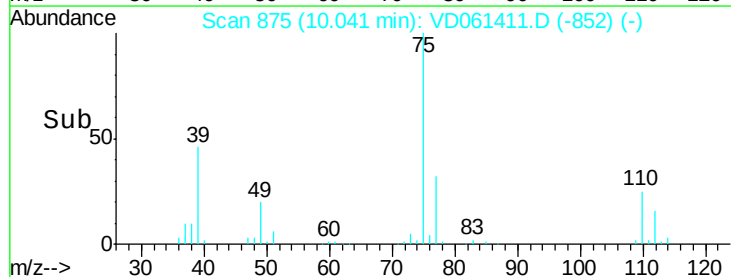
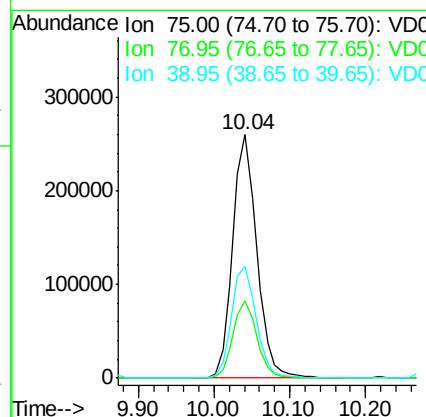
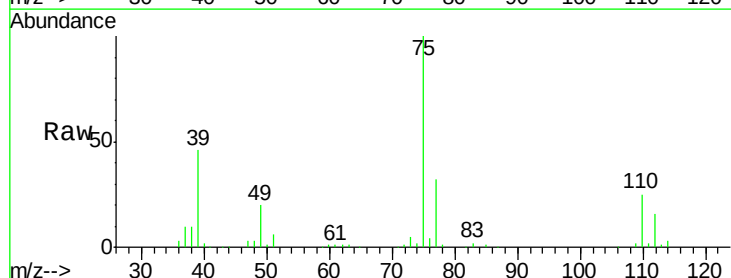
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

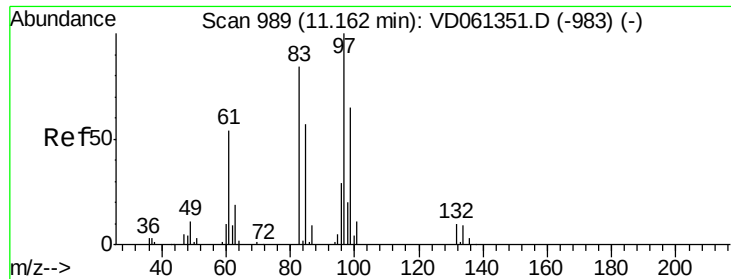
Tot Ion: 75 Resp: 469996  
Ion Ratio Lower Upper  
75 100  
77 32.7 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 53.722 ug/l  
RT: 10.04 min Scan# 875  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 75 Resp: 571148  
Ion Ratio Lower Upper  
75 100  
77 31.7 26.2 39.4  
39 45.7 39.4 59.0

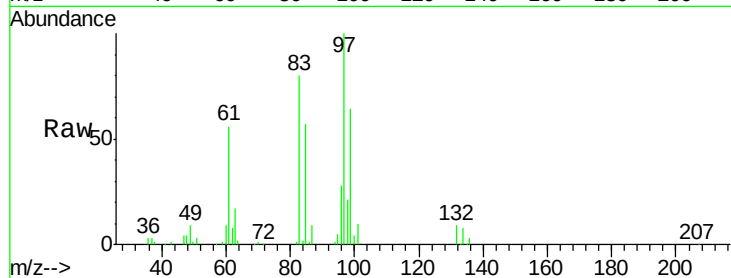




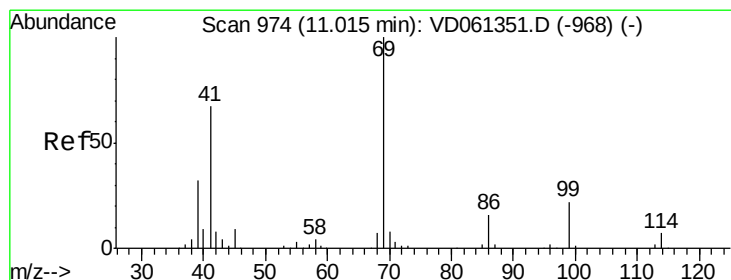
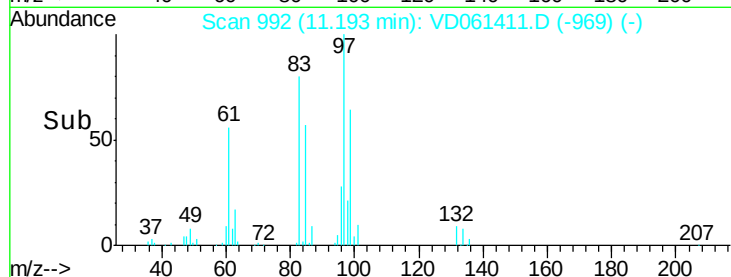
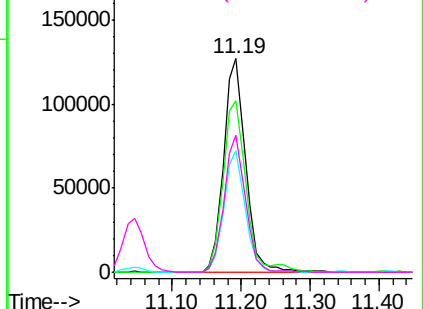
#55  
 1,1,2-Trichloroethane  
 Concen: 52.267 ug/l  
 RT: 11.19 min Scan# 992  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 279756 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 80.0  | 67.0  | 100.6  |
| 85       | 57.2  | 45.4  | 68.2   |
| 99       | 64.1  | 51.9  | 77.9   |

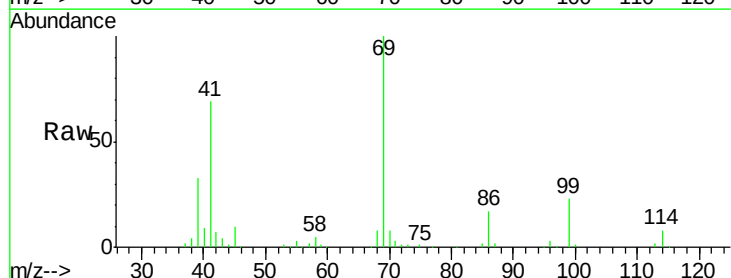


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

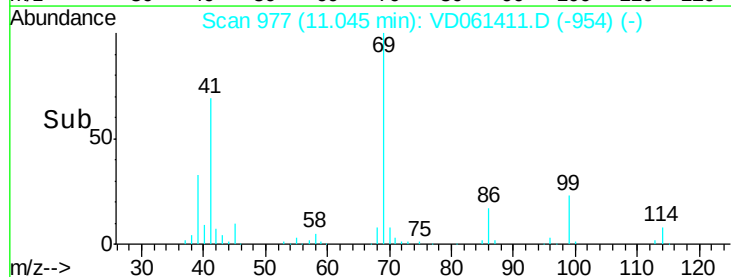
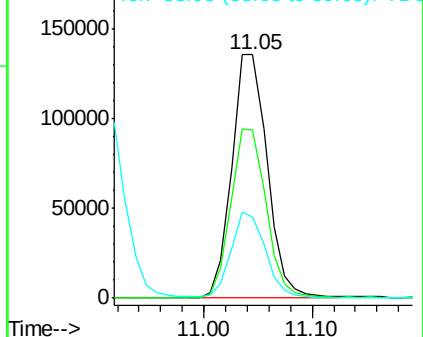


#56  
 Ethyl methacrylate  
 Concen: 53.827 ug/l  
 RT: 11.05 min Scan# 977  
 Delta R.T. 0.03 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

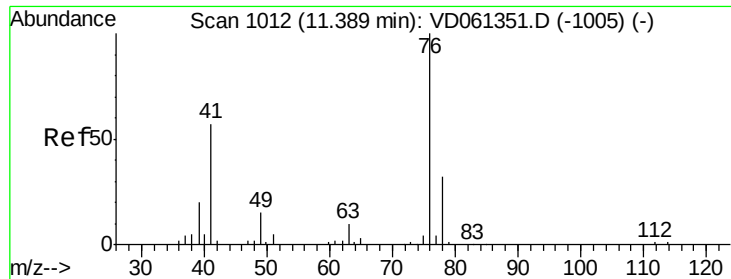
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 309507 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.2  | 53.8  | 80.6   |
| 39       | 33.2  | 26.4  | 39.6   |



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



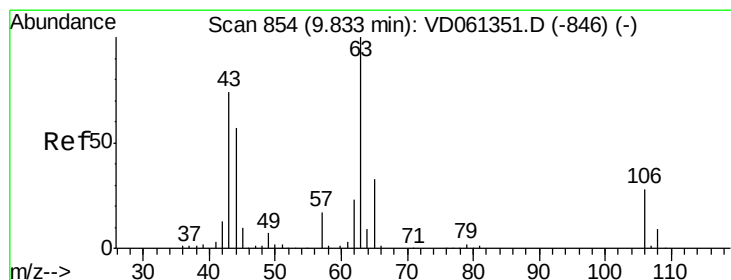
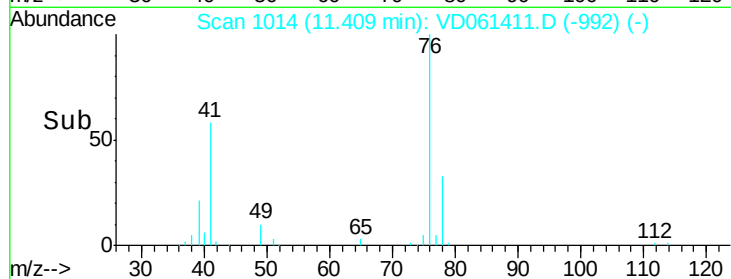
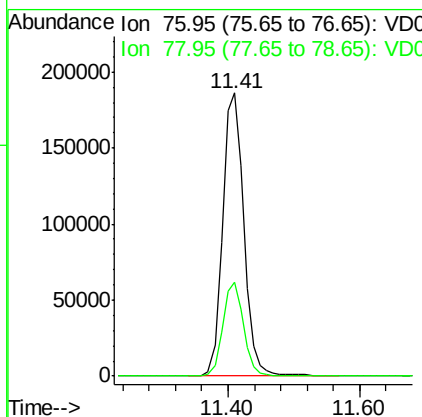
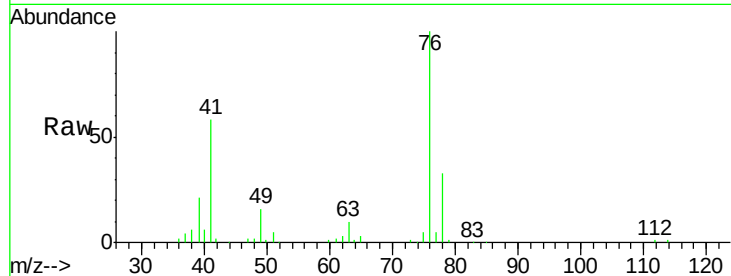




#57  
 1,3-Dichloropropane  
 Concen: 53.022 ug/l  
 RT: 11.41 min Scan# 1014  
 Delta R.T. 0.02 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

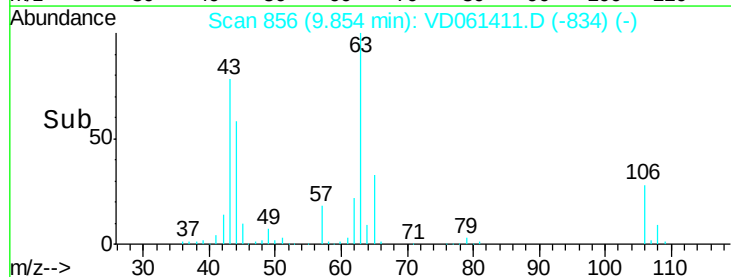
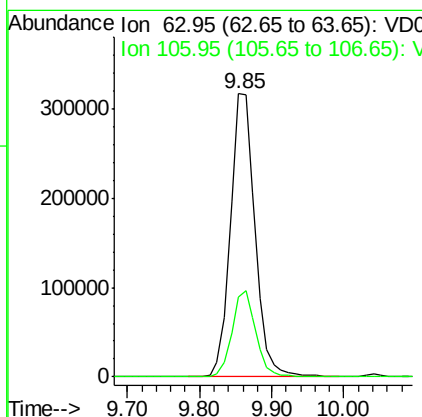
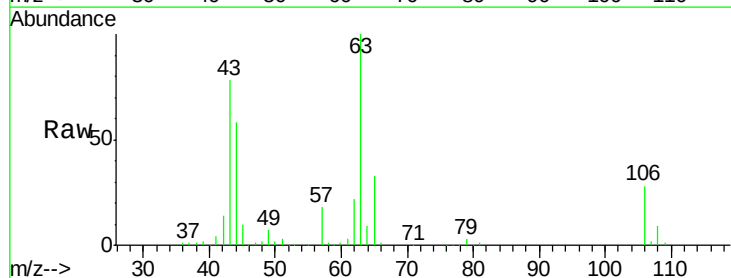
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

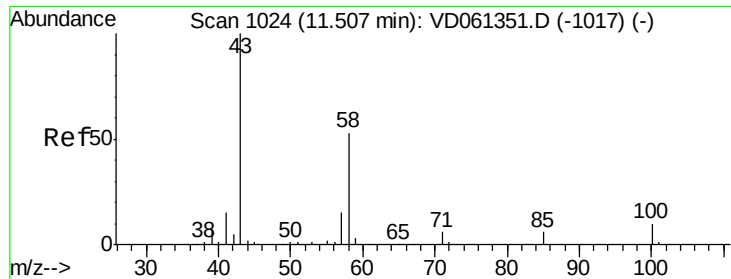
Tot Ion: 76 Resp: 417134  
 Ion Ratio Lower Upper  
 76 100  
 78 33.2 25.4 38.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 269.472 ug/l  
 RT: 9.85 min Scan# 856  
 Delta R.T. 0.02 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion: 63 Resp: 754581  
 Ion Ratio Lower Upper  
 63 100  
 106 28.3 22.4 33.6

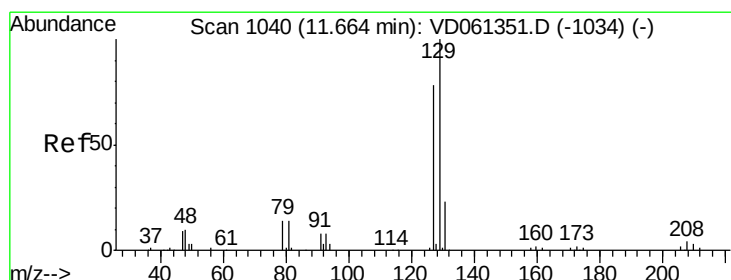
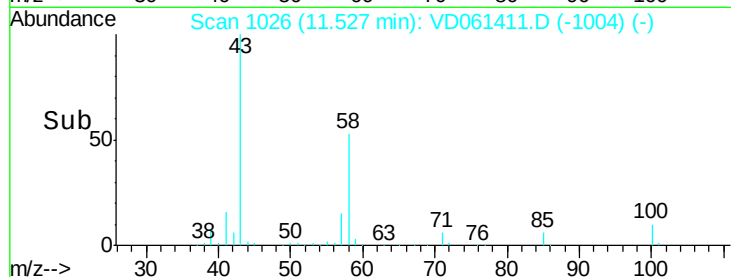
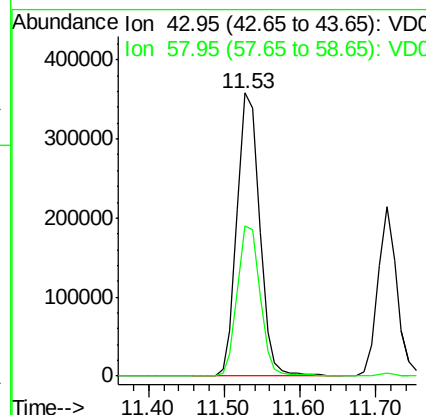
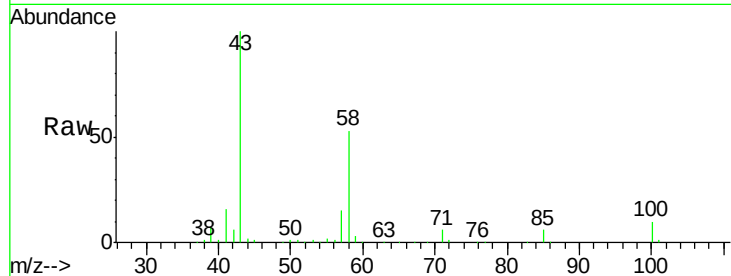




#59  
2-Hexanone  
Concen: 270.612 ug/l  
RT: 11.53 min Scan# 1026  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

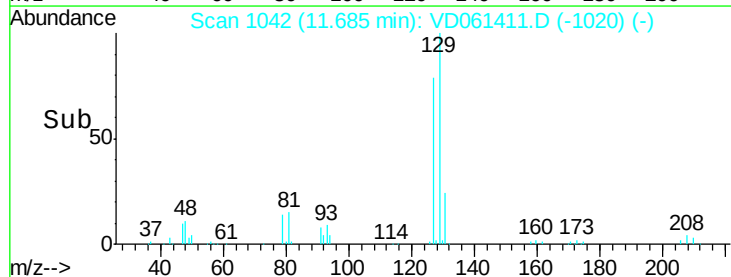
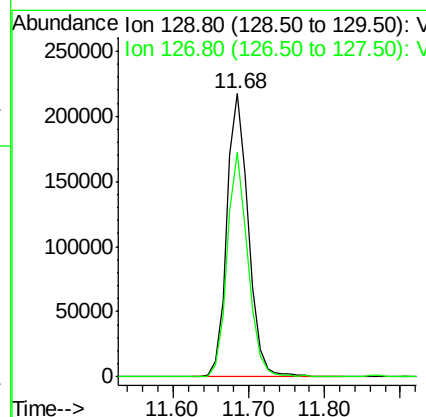
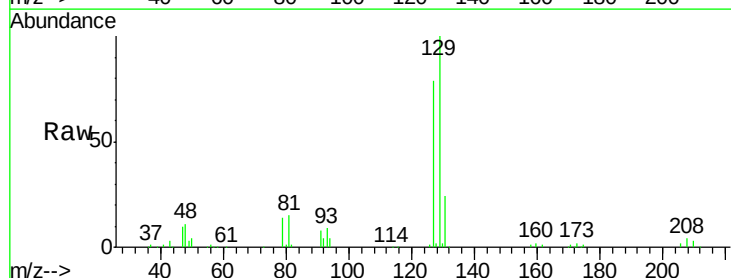
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

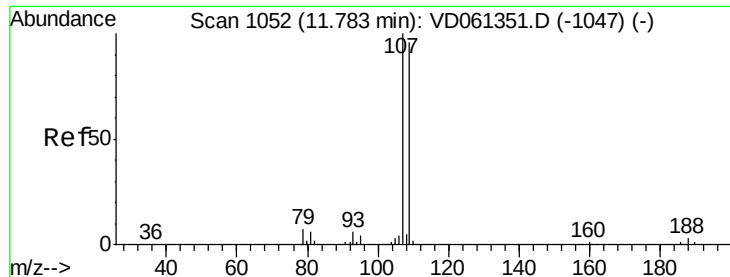
Tot Ion: 43 Resp: 741963  
Ion Ratio Lower Upper  
43 100  
58 53.1 26.3 78.9



#60  
Dibromochloromethane  
Concen: 51.680 ug/l  
RT: 11.68 min Scan# 1042  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion: 129 Resp: 426436  
Ion Ratio Lower Upper  
129 100  
127 79.1 39.0 116.9

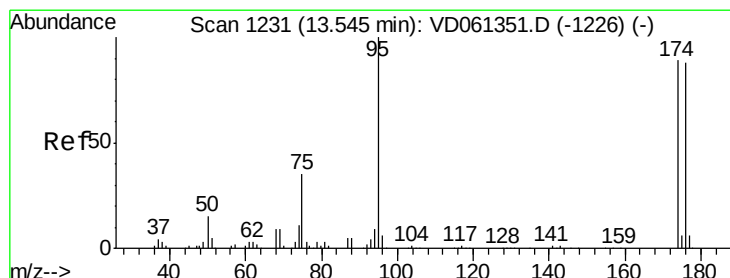
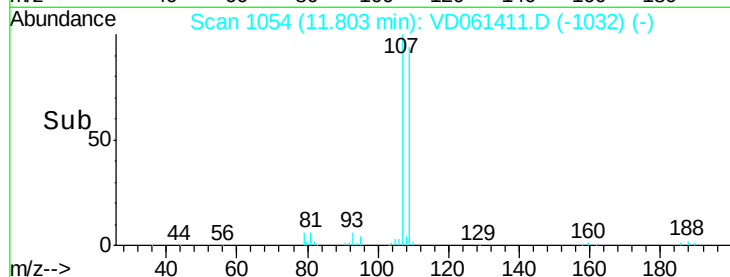
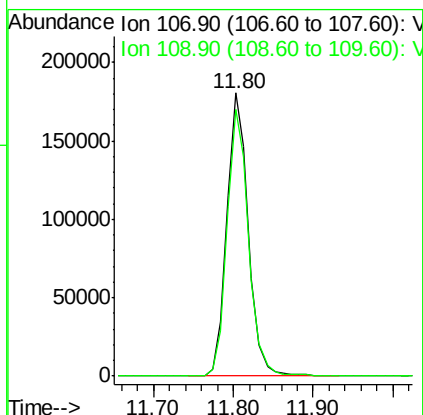
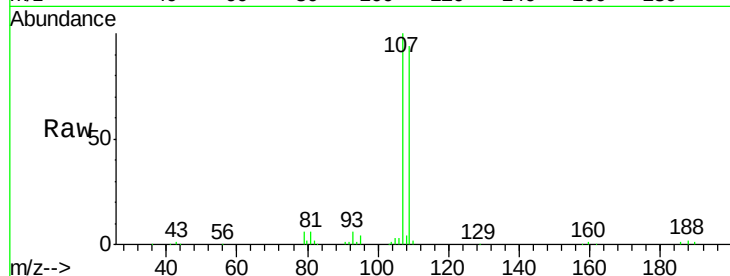




#61  
 1,2-Dibromoethane  
 Concen: 55.019 ug/l  
 RT: 11.80 min Scan# 1054  
 Delta R.T. 0.02 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

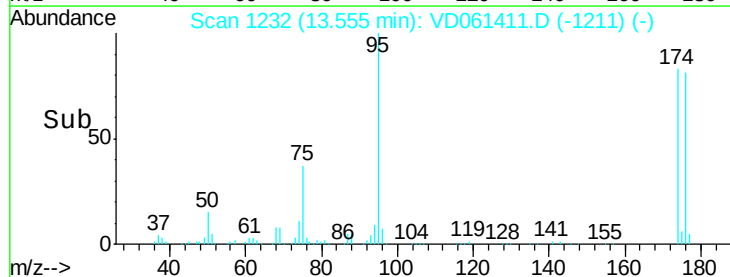
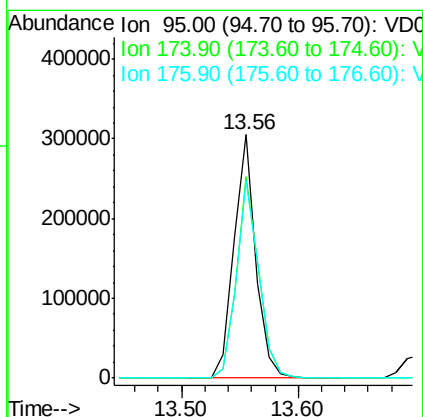
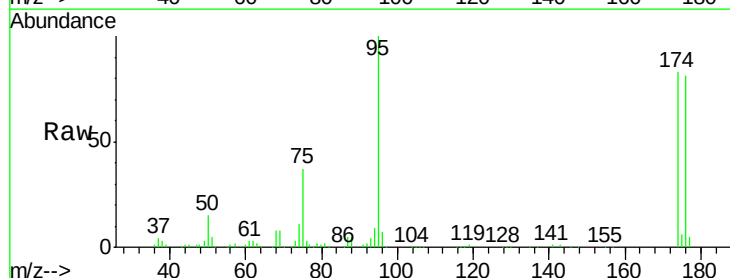
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

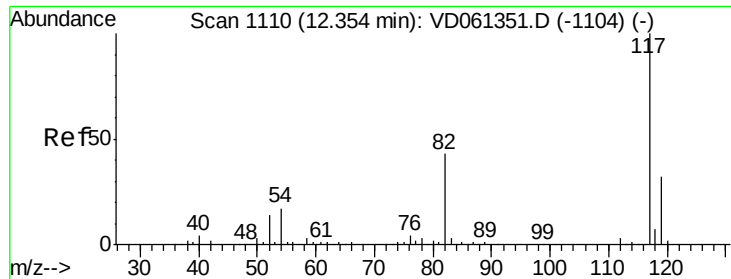
Tot Ion: 107 Resp: 341004  
 Ion Ratio Lower Upper  
 107 100  
 109 94.4 76.6 114.8



#62  
 4-Bromofluorobenzene  
 Concen: 55.019 ug/l  
 RT: 13.56 min Scan# 1232  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion: 95 Resp: 393054  
 Ion Ratio Lower Upper  
 95 100  
 174 82.7 0.0 178.0  
 176 80.9 0.0 175.0

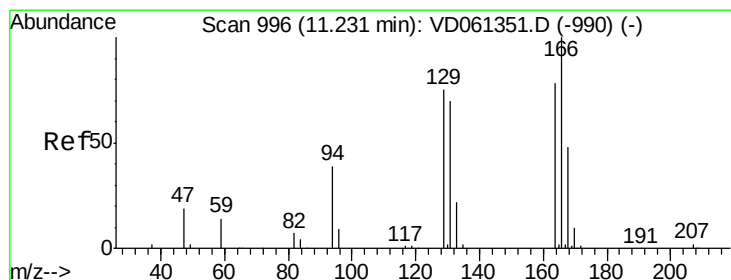
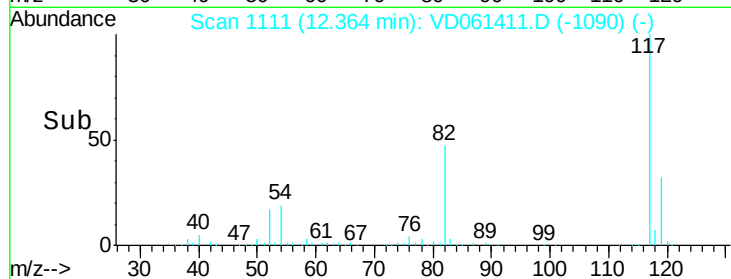
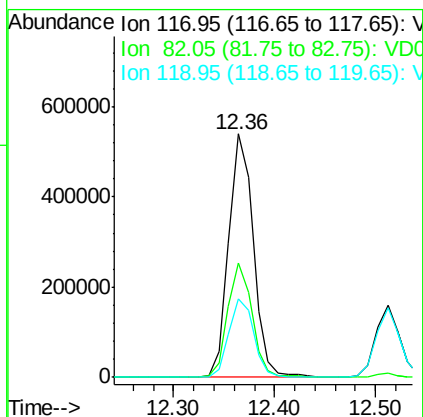
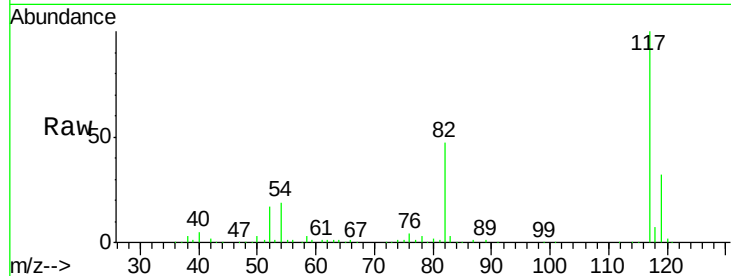




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

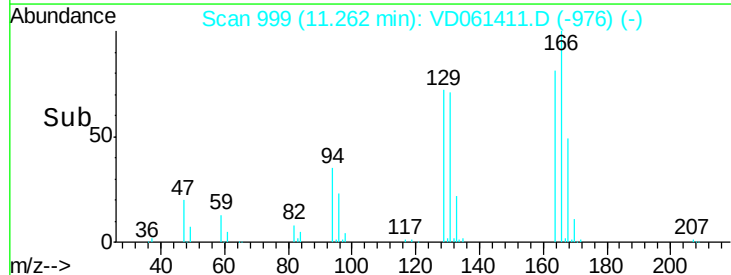
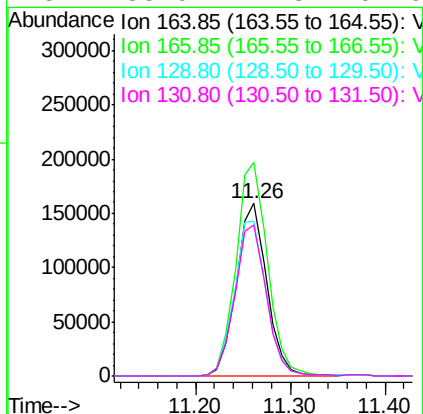
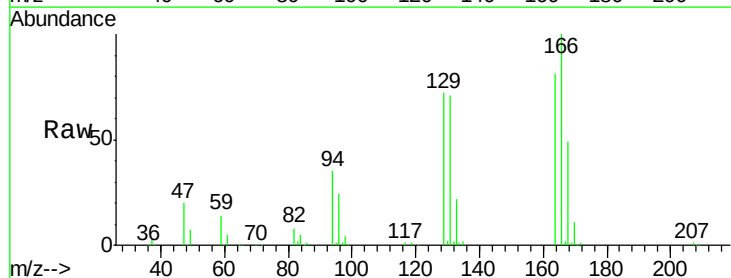
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

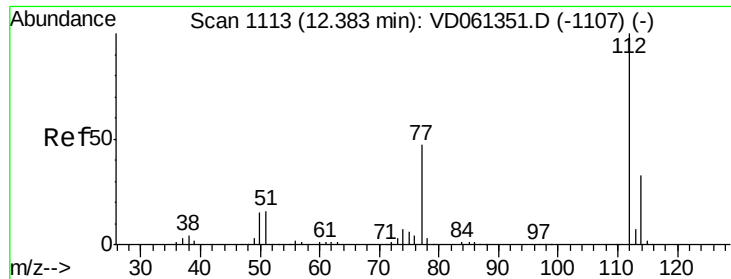
Tot Ion:117 Resp: 915679  
Ion Ratio Lower Upper  
117 100  
82 46.9 34.4 51.6  
119 32.2 25.8 38.6



#64  
Tetrachloroethene  
Concen: 49.582 ug/l  
RT: 11.26 min Scan# 999  
Delta R.T. 0.03 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion:164 Resp: 356318  
Ion Ratio Lower Upper  
164 100  
166 124.0 102.4 153.6  
129 89.6 76.8 115.2  
131 88.0 71.8 107.6

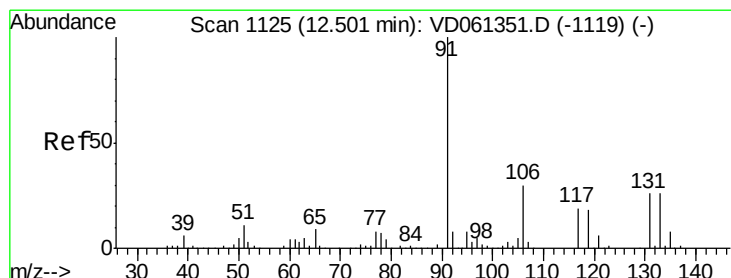
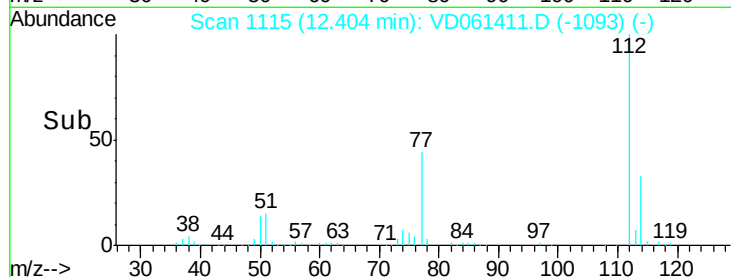
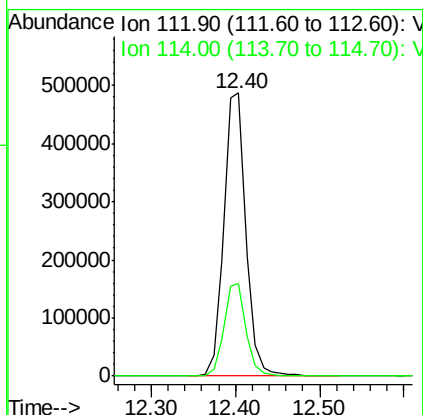
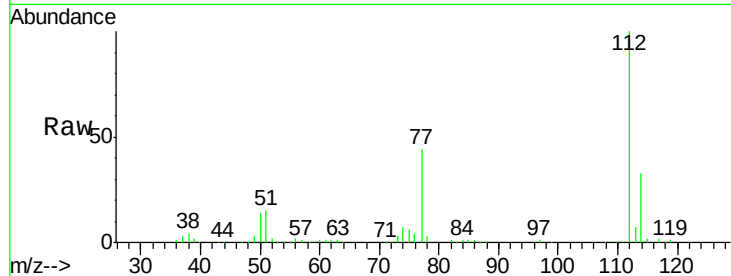




#65  
Chlorobenzene  
Concen: 47.239 ug/l  
RT: 12.40 min Scan# 1115  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

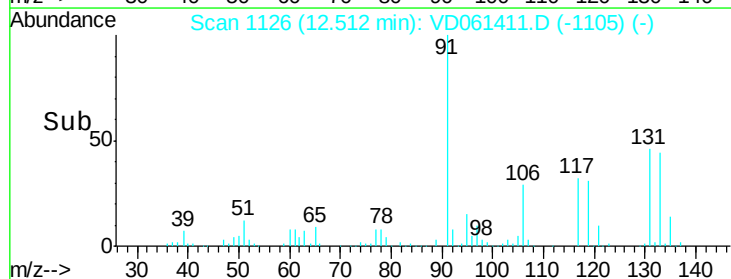
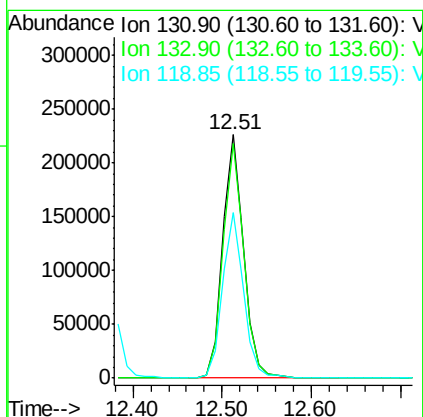
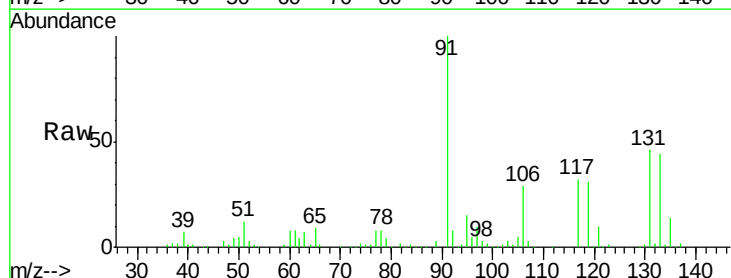
Instrument :  
MSVOA\_D  
ClientSampled :  
VSTDCCC050

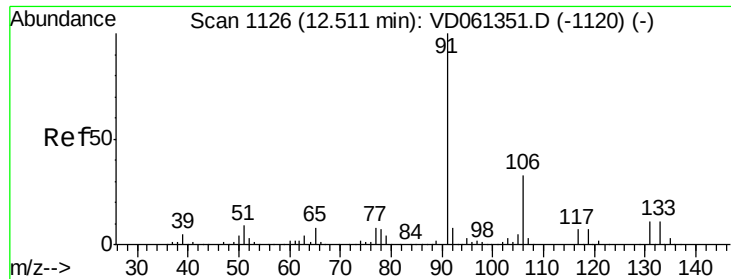
Tot Ion:112 Resp: 884012  
Ion Ratio Lower Upper  
112 100  
114 32.9 26.6 39.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.903 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion:131 Resp: 376067  
Ion Ratio Lower Upper  
131 100  
133 96.2 49.4 148.2  
119 68.0 34.1 102.2

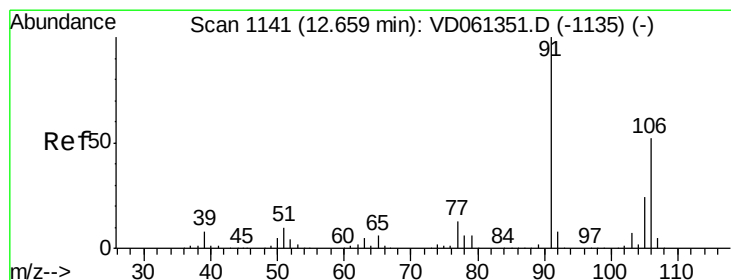
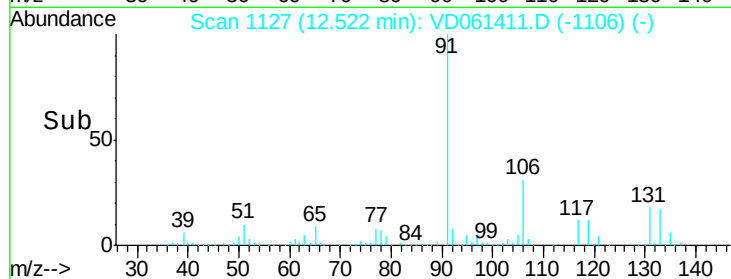
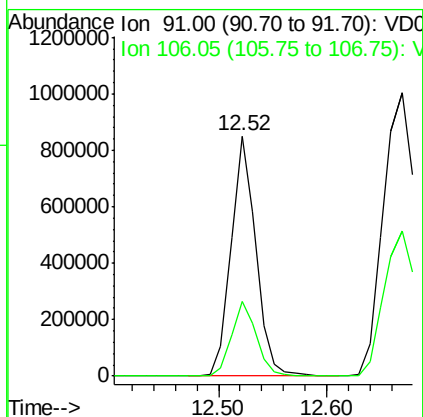
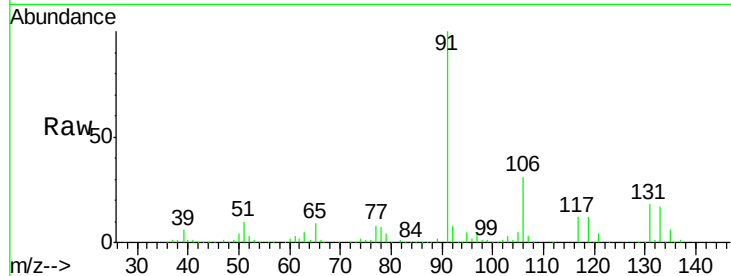




#67  
Ethyl Benzene  
Concen: 47.575 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

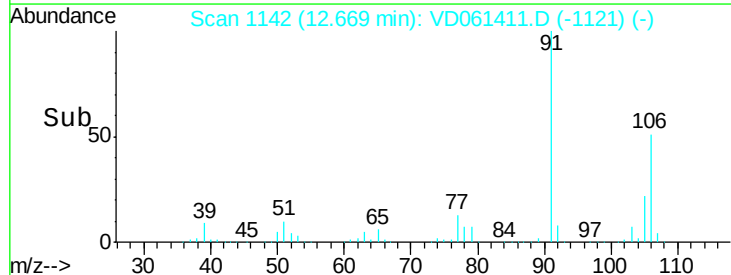
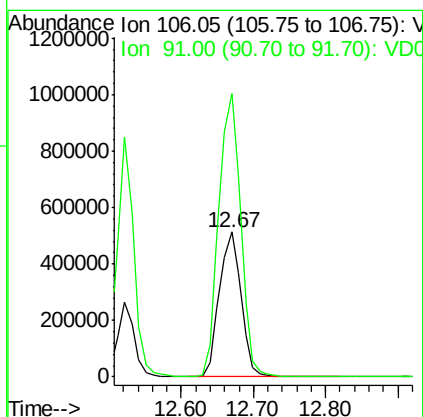
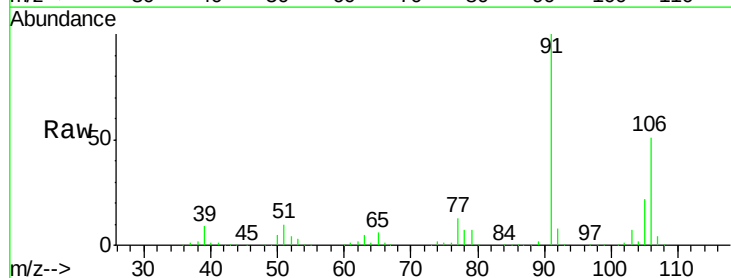
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

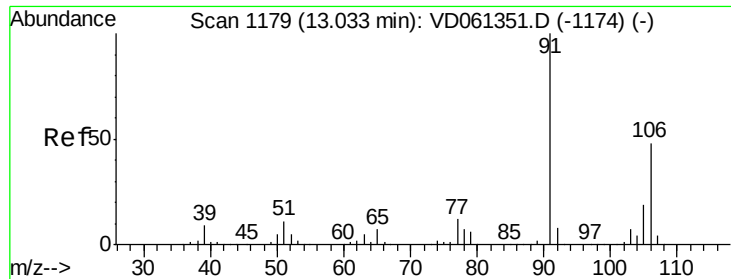
Tot Ion: 91 Resp: 1358900  
Ion Ratio Lower Upper  
91 100  
106 30.9 26.1 39.1



#68  
m/p-Xylenes  
Concen: 98.543 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion:106 Resp: 1066237  
Ion Ratio Lower Upper  
106 100  
91 195.4 153.1 229.7

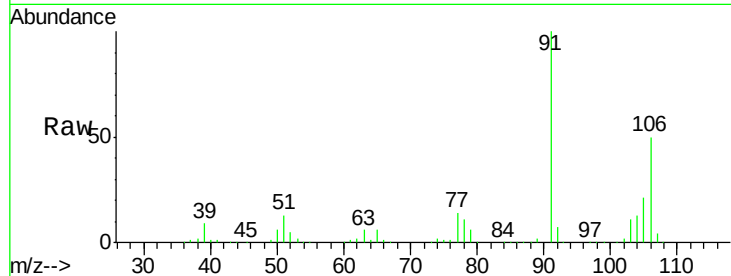




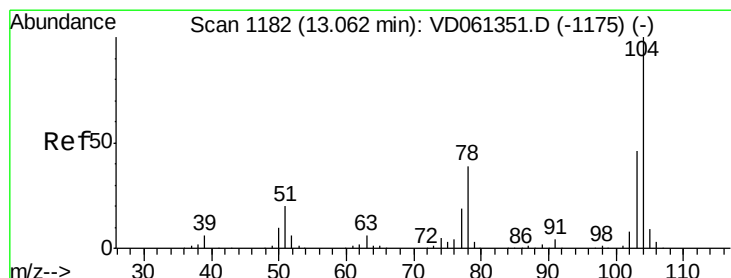
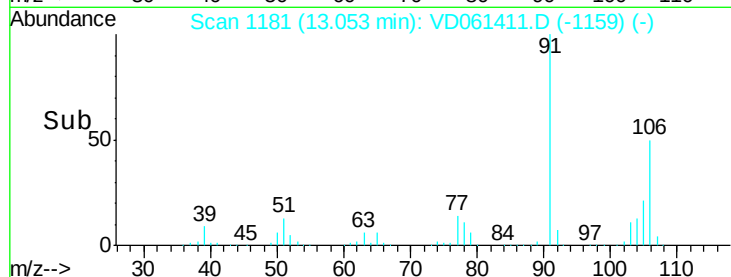
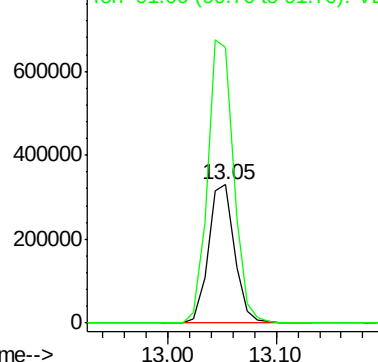
#69  
o-Xylene  
Concen: 52.691 ug/l  
RT: 13.05 min Scan# 1181  
Delta R.T. 0.02 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 553250  
Ion Ratio Lower Upper  
106 100  
91 199.4 103.8 311.3

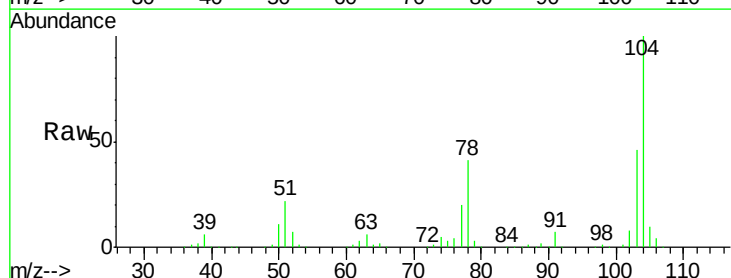


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

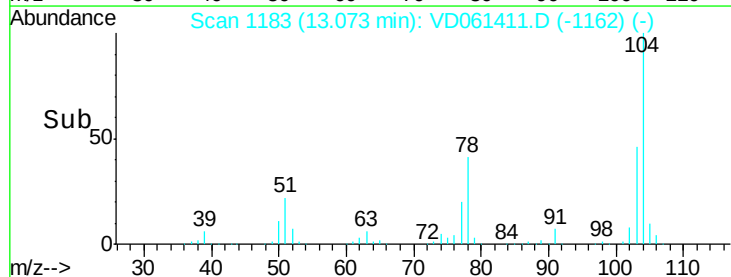
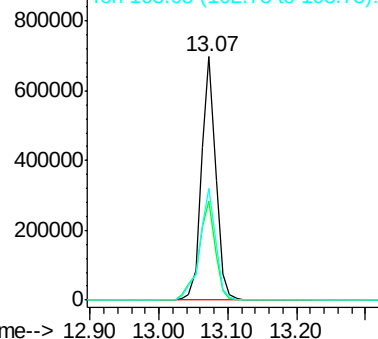


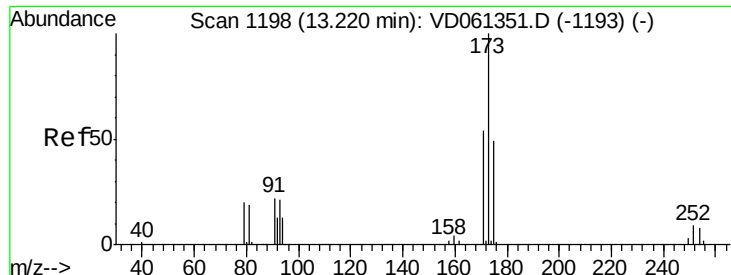
#70  
Styrene  
Concen: 54.736 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion:104 Resp: 1001852  
Ion Ratio Lower Upper  
104 100  
78 40.6 31.0 46.6  
103 45.9 37.0 55.4



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





#71

Bromoform

Concen: 53.084 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

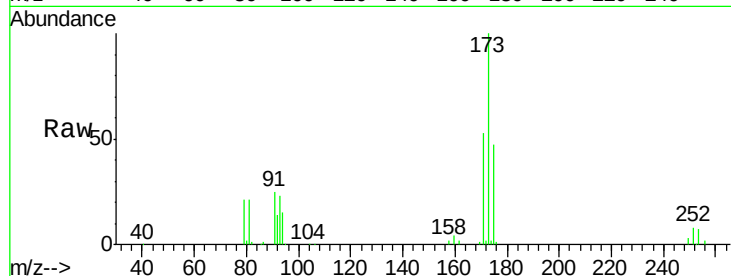
Tot Ion:173 Resp: 243817

Ion Ratio Lower Upper

173 100

175 46.7 24.6 73.8

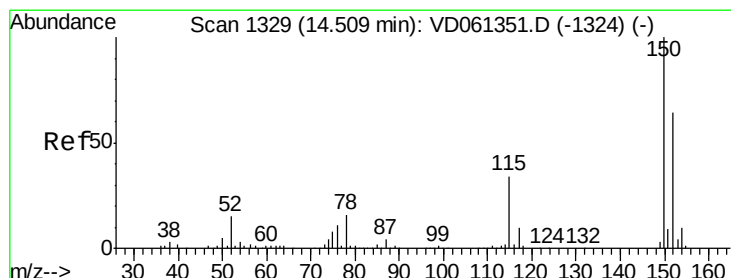
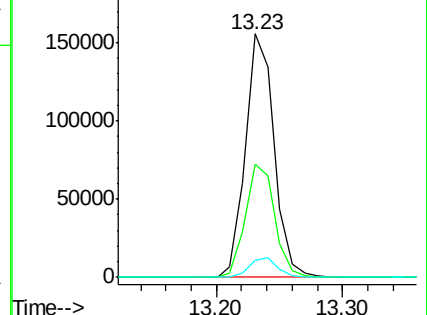
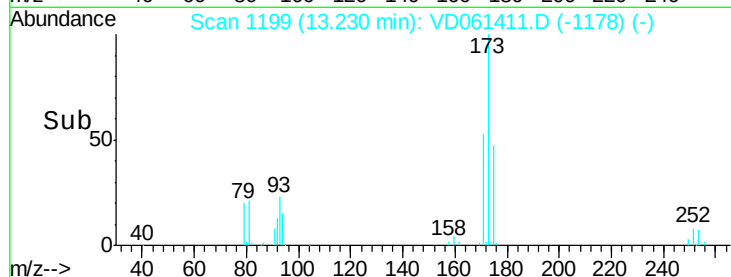
254 6.8 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

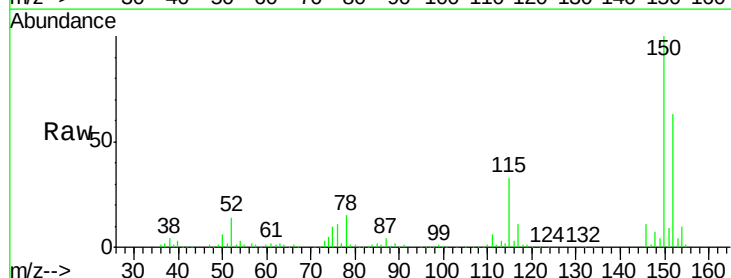
Tgt Ion:152 Resp: 422570

Ion Ratio Lower Upper

152 100

115 52.8 26.9 80.6

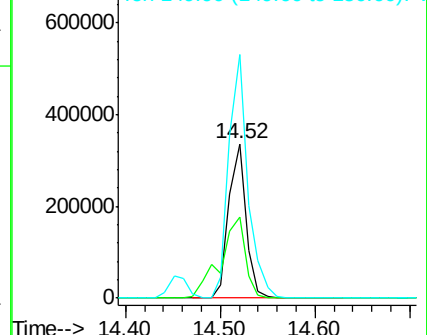
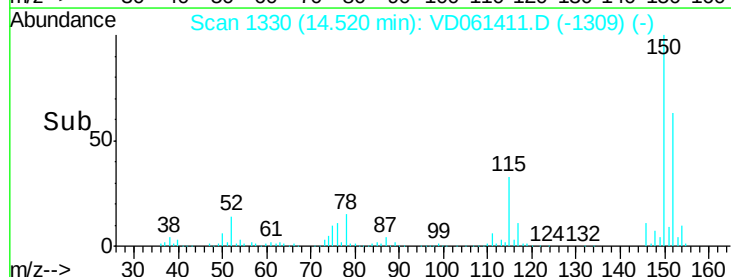
150 157.9 0.0 318.0



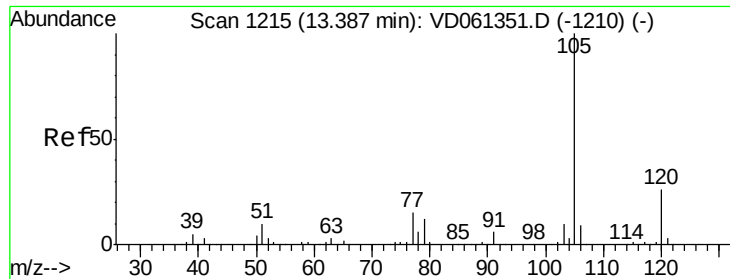
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 49.842 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

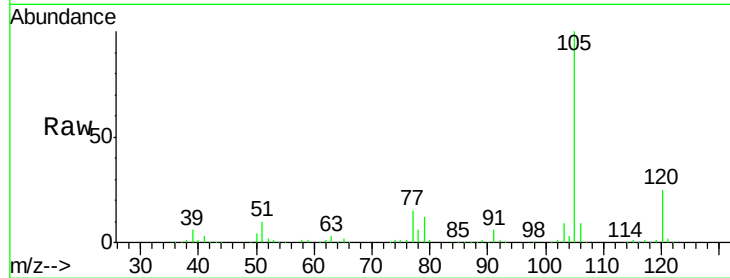
VSTDCCC050

Tot Ion:105 Resp: 1465877

Ion Ratio Lower Upper

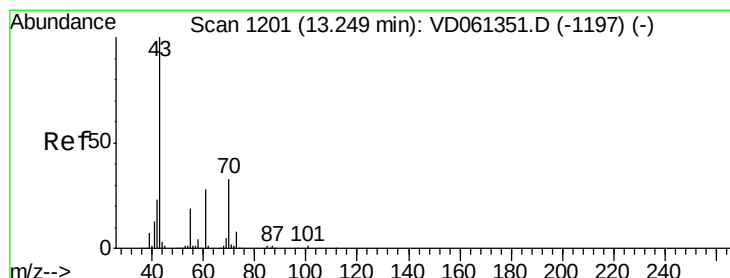
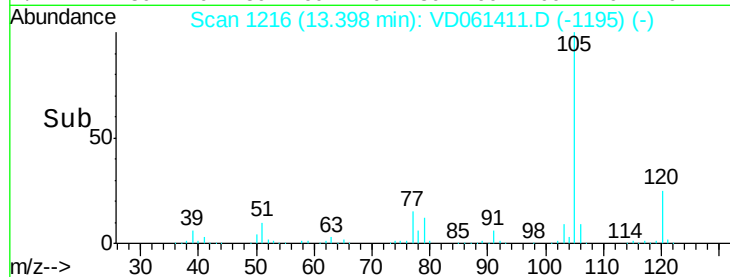
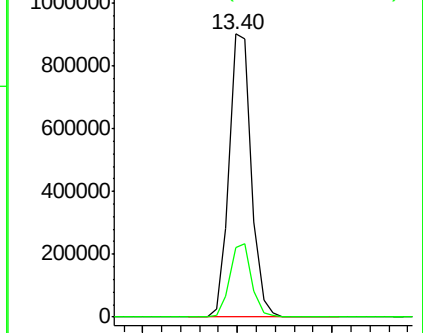
105 100

120 24.6 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.958 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Tgt Ion: 43 Resp: 392913

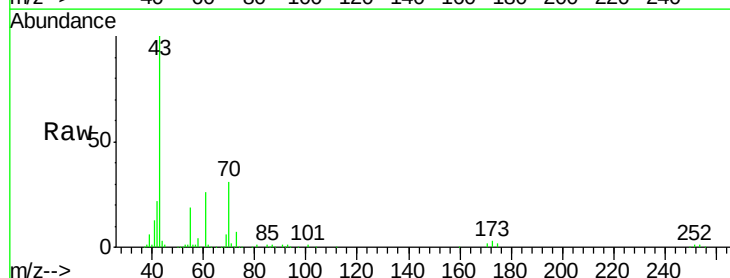
Ion Ratio Lower Upper

43 100

70 31.2 26.6 40.0

55 18.8 15.4 23.2

61 26.1 22.2 33.4

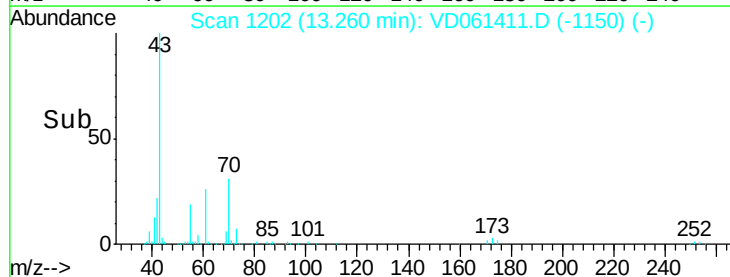
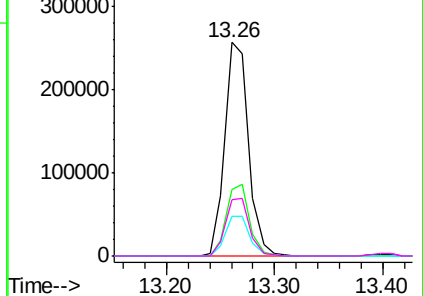


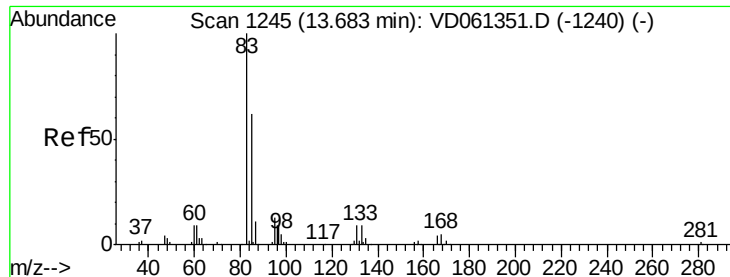
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.529 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

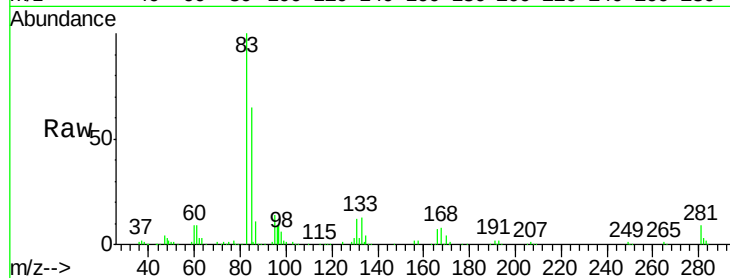
Tot Ion: 83 Resp: 313489

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.8  | 4.3   | 13.1  |
| 85  | 65.4  | 31.2  | 93.6  |

83 100

131 11.8 4.3 13.1

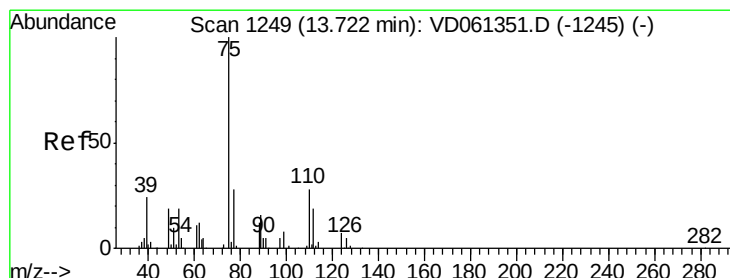
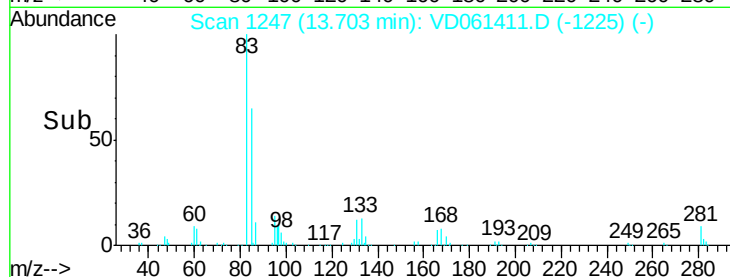
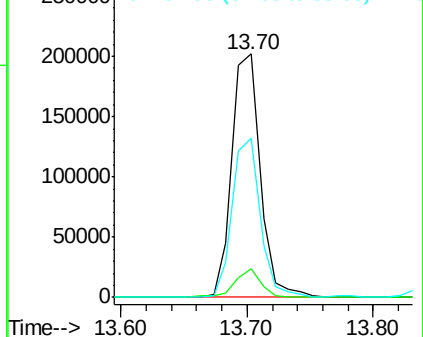
85 65.4 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.732 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061411.D

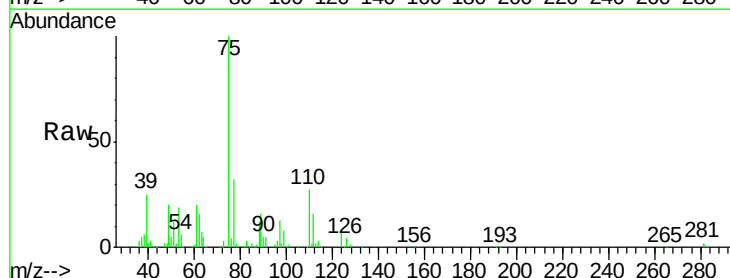
Acq: 29 Mar 2019 2:28

Tgt Ion: 75 Resp: 303572

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.1  | 16.2  | 48.5  |

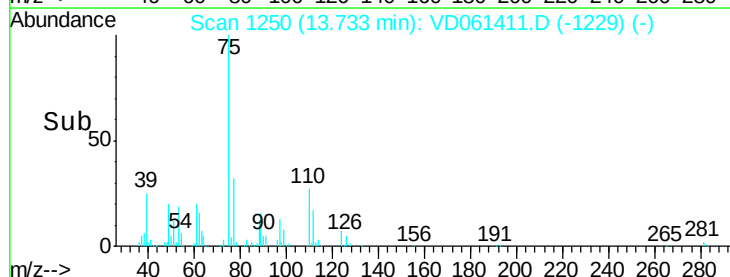
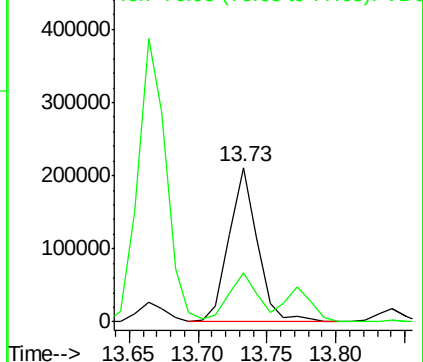
75 100

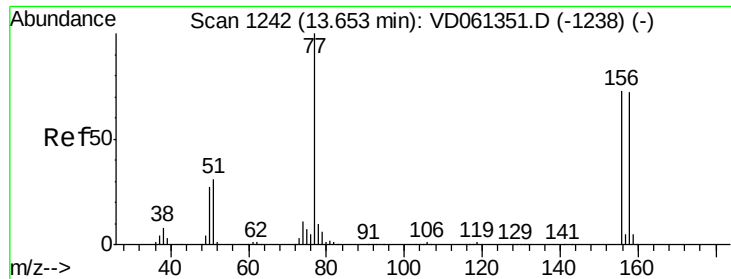
77 32.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.755 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

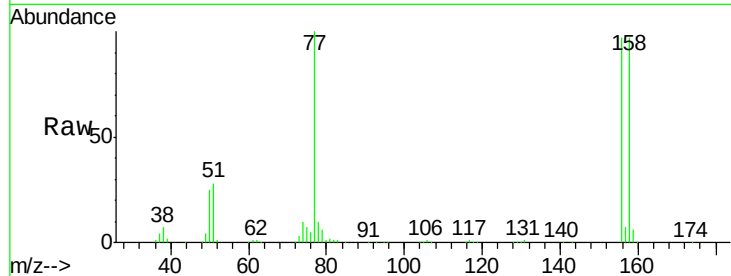
Tot Ion:156 Resp: 442530

Ion Ratio Lower Upper

156 100

77 103.4 68.5 205.6

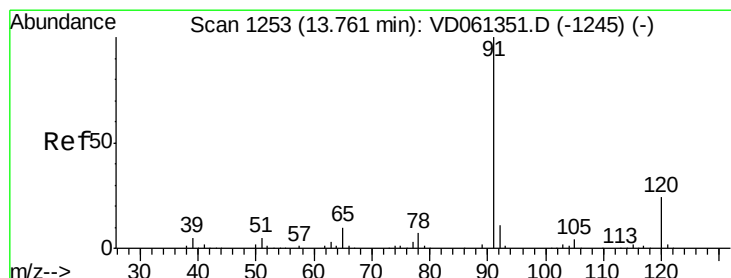
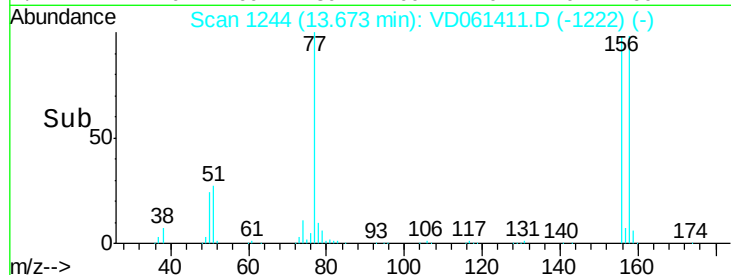
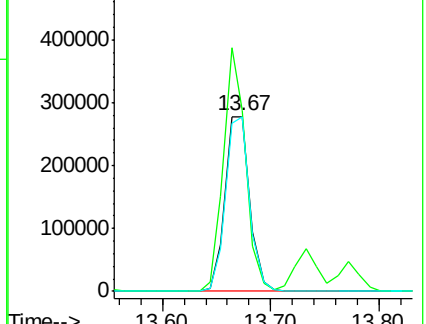
158 100.1 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.261 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061411.D

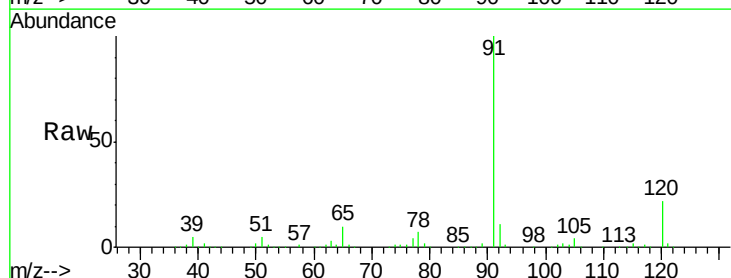
Acq: 29 Mar 2019 2:28

Tgt Ion: 91 Resp: 1772992

Ion Ratio Lower Upper

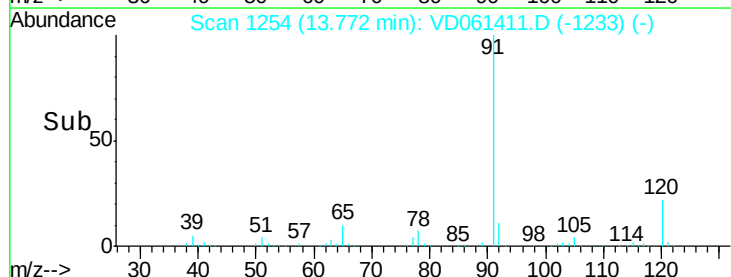
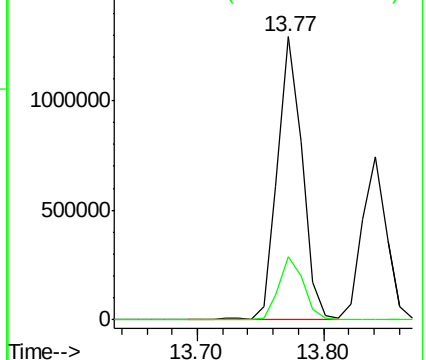
91 100

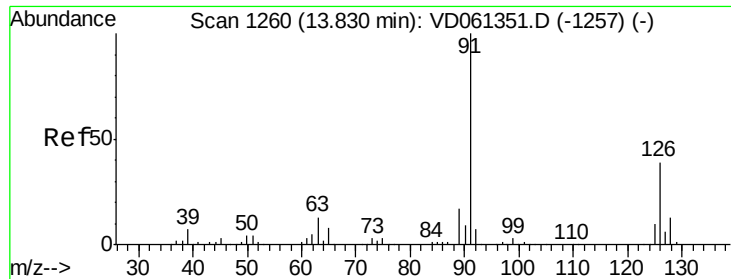
120 22.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.211 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

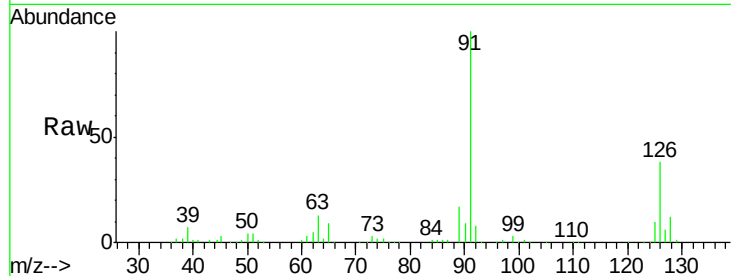
VSTDCCC050

Tot Ion: 91 Resp: 1000788

Ion Ratio Lower Upper

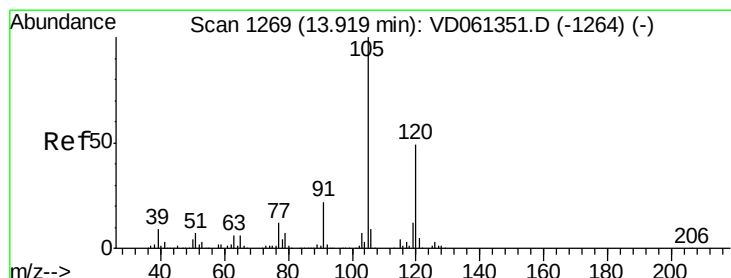
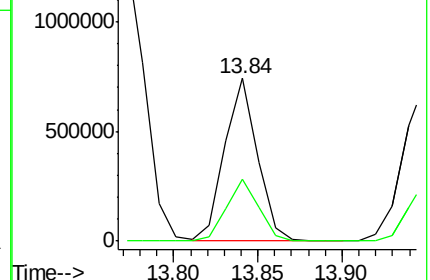
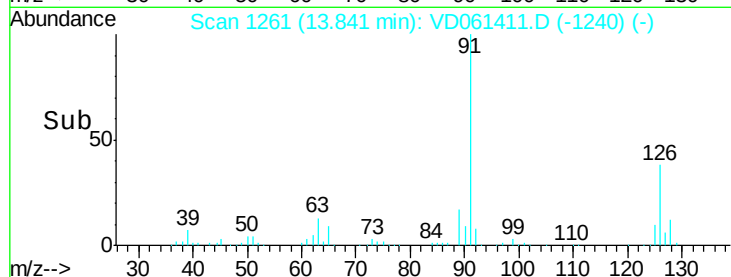
91 100

126 38.3 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 46.809 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061411.D

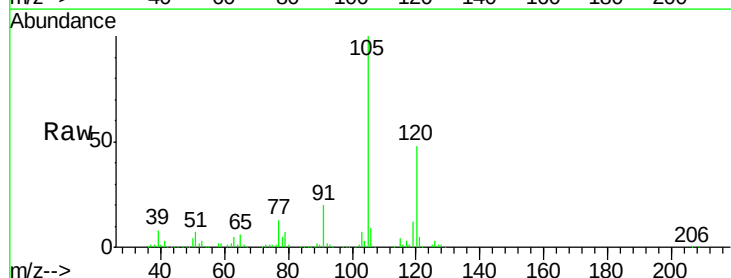
Acq: 29 Mar 2019 2:28

Tgt Ion: 105 Resp: 1068149

Ion Ratio Lower Upper

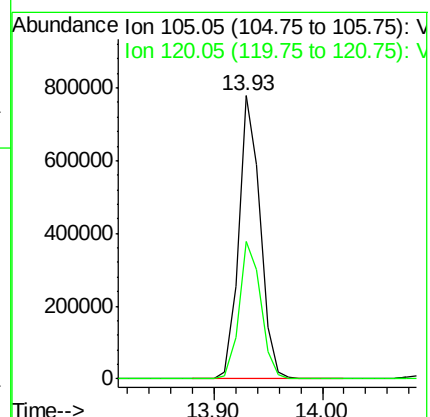
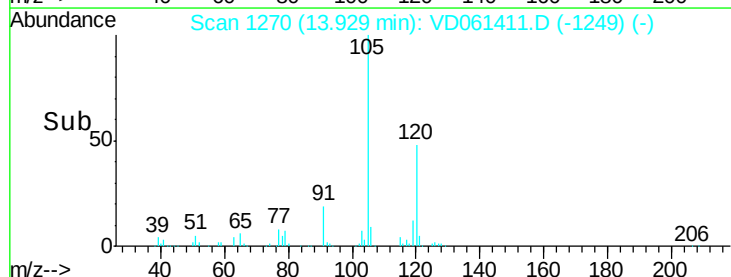
105 100

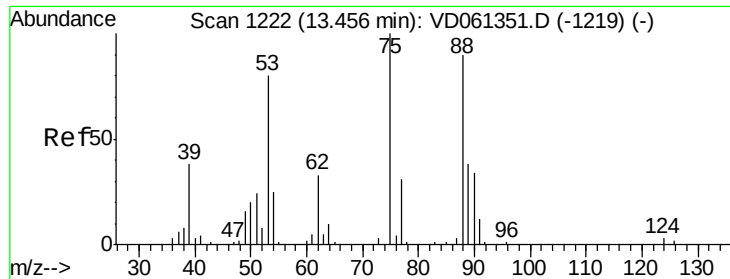
120 48.4 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.123 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

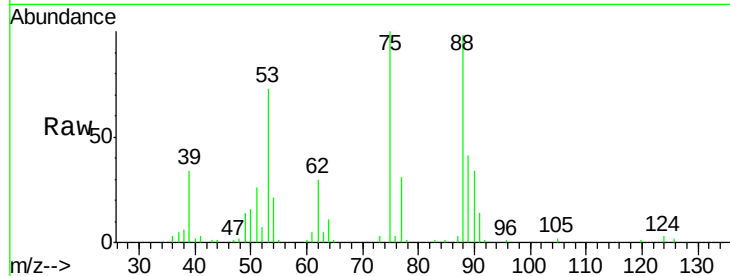
Tot Ion: 75 Resp: 100731

Ion Ratio Lower Upper

75 100

53 72.8 63.8 95.8

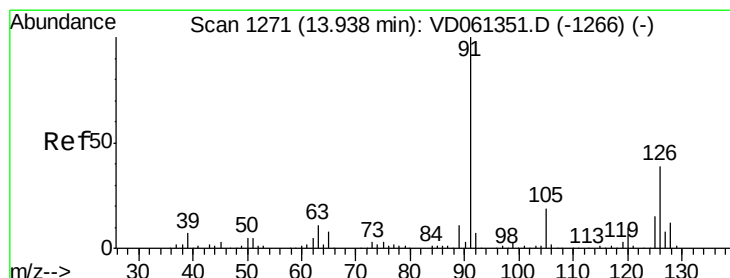
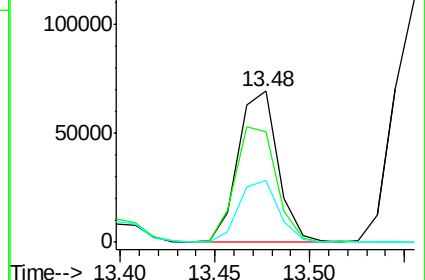
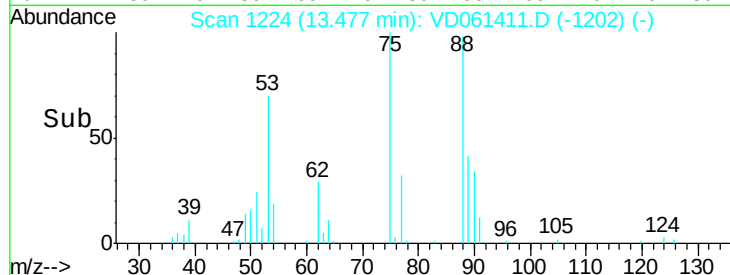
89 41.1 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.016 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061411.D

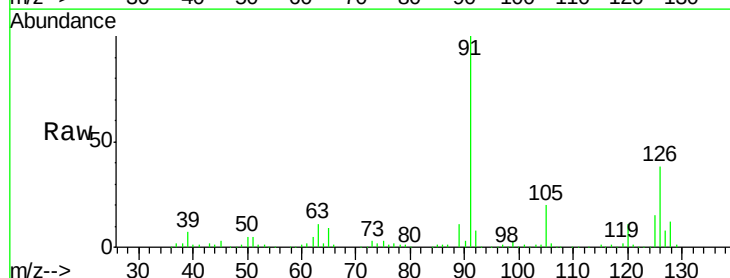
Acq: 29 Mar 2019 2:28

Tgt Ion: 91 Resp: 1041542

Ion Ratio Lower Upper

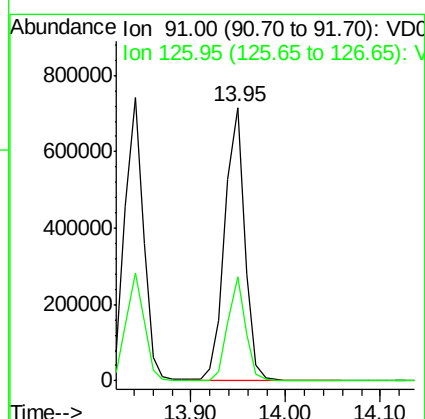
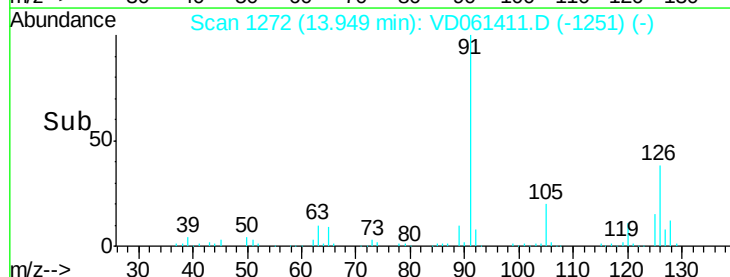
91 100

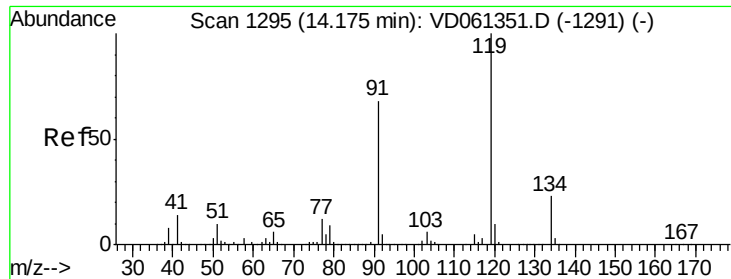
126 38.1 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

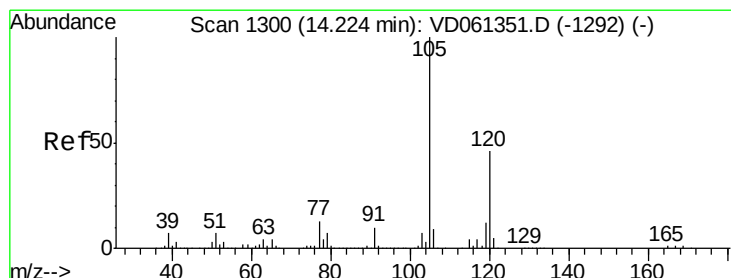
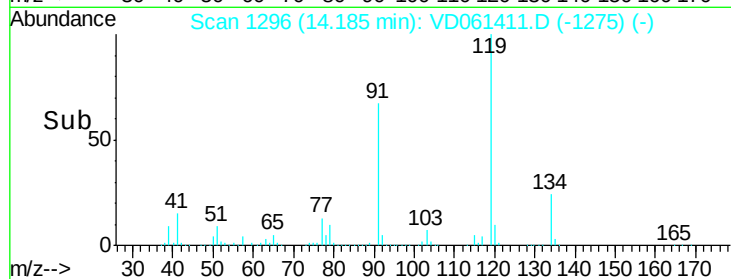
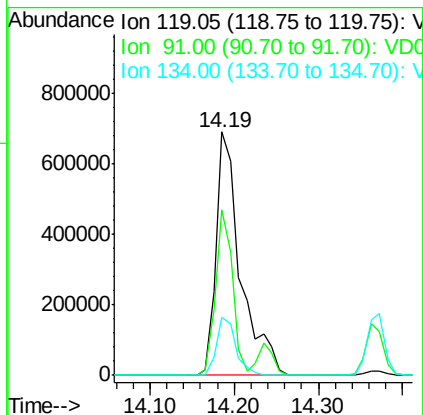
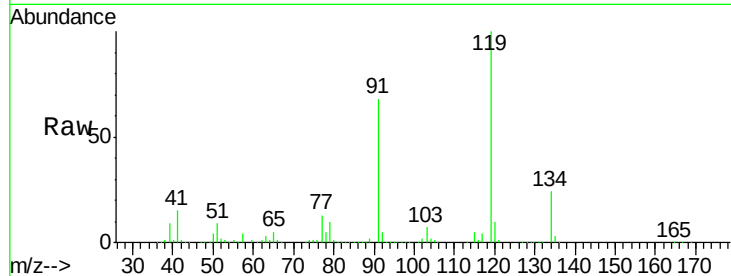




#83  
 tert-Butylbenzene  
 Concen: 49.007 ug/l  
 RT: 14.19 min Scan# 1296  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

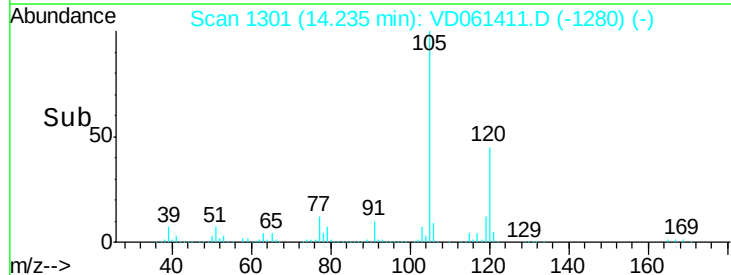
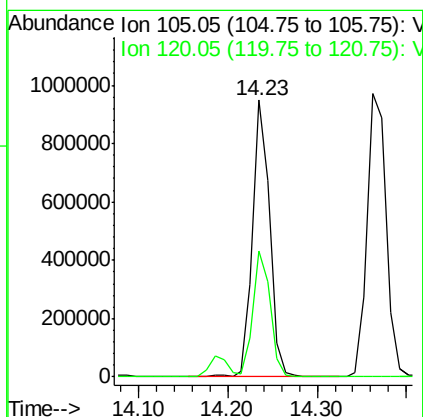
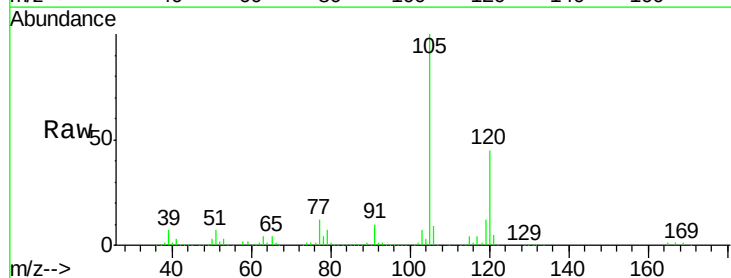
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

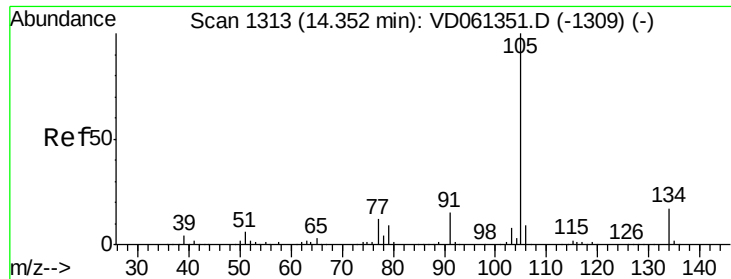
Tot Ion:119 Resp: 1397554  
 Ion Ratio Lower Upper  
 119 100  
 91 67.9 34.1 102.3  
 134 24.0 11.6 34.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.461 ug/l  
 RT: 14.23 min Scan# 1301  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion:105 Resp: 1246619  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 46.972 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampled :

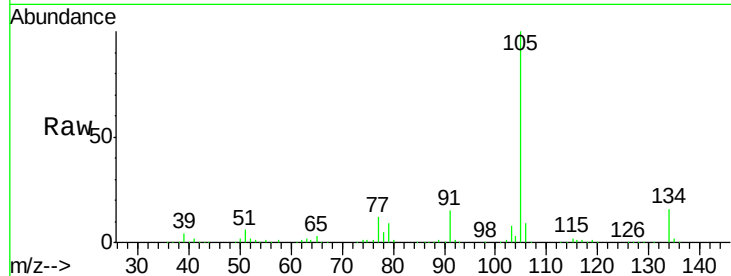
VSTDCCC050

Tot Ion:105 Resp: 1423030

Ion Ratio Lower Upper

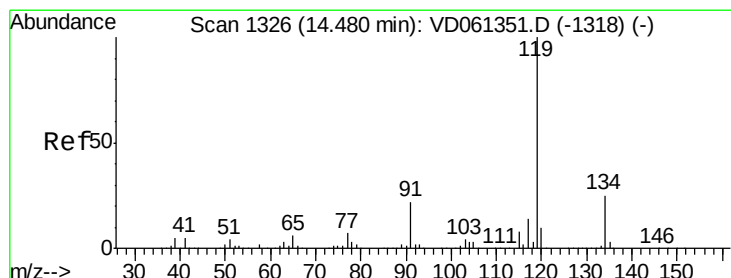
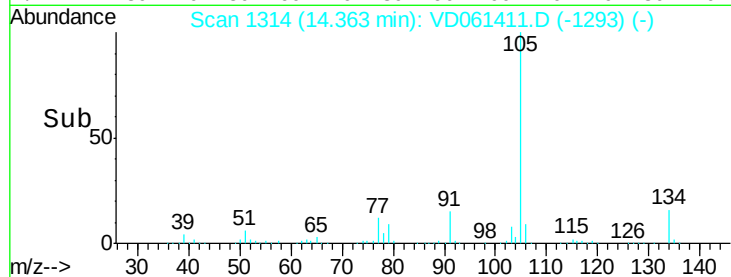
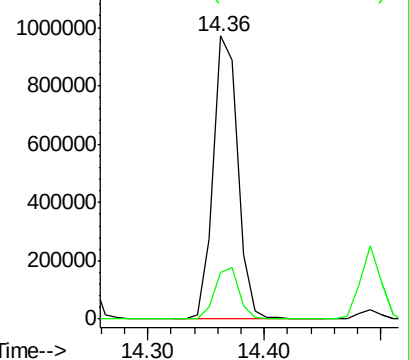
105 100

134 16.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.100 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

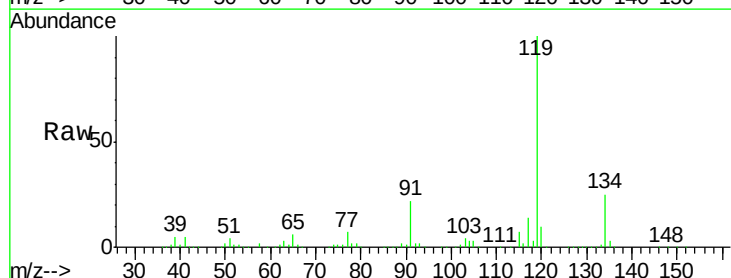
Tgt Ion:119 Resp: 1232217

Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

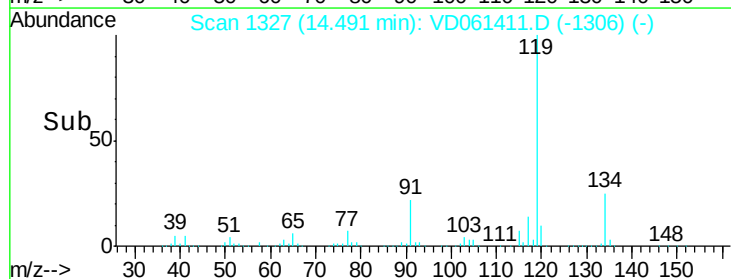
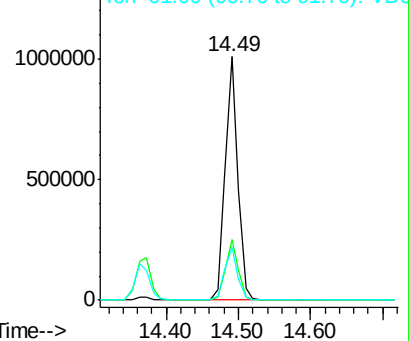
91 21.8 11.1 33.1

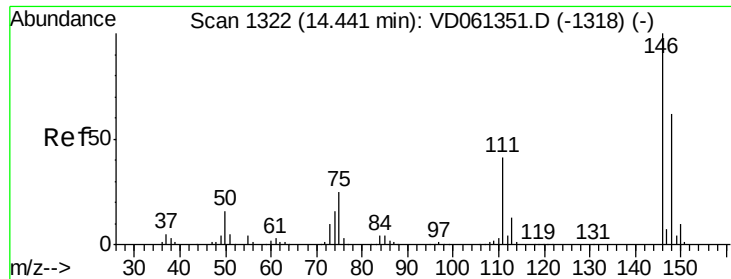


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

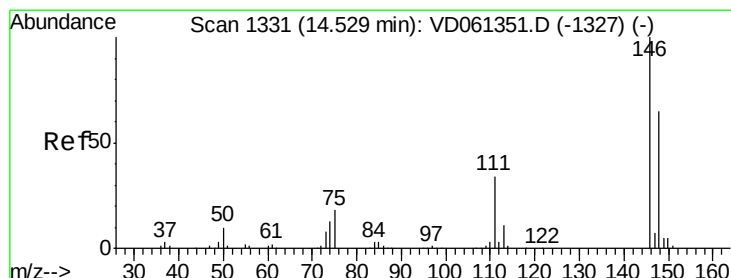
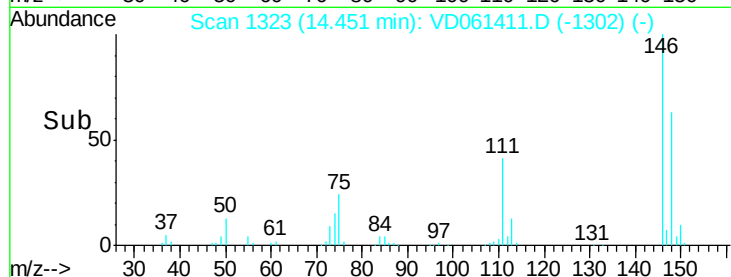
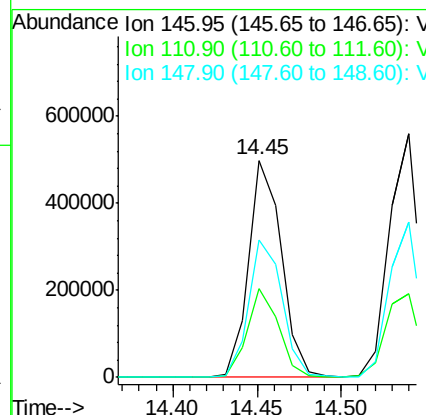
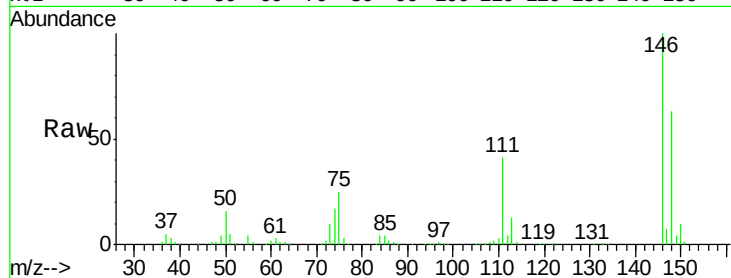




#87  
 1,3-Dichlorobenzene  
 Concen: 46.084 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

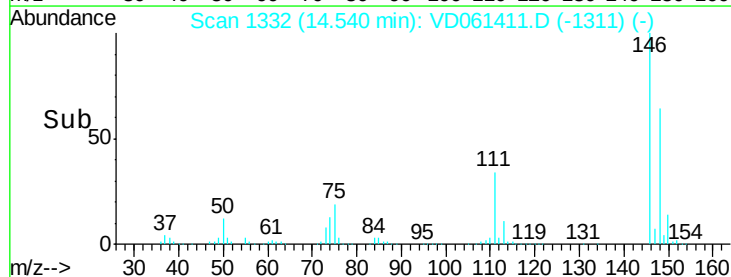
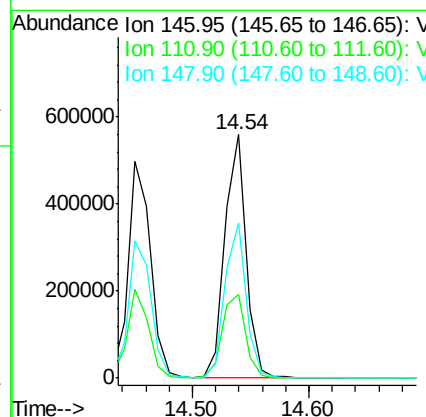
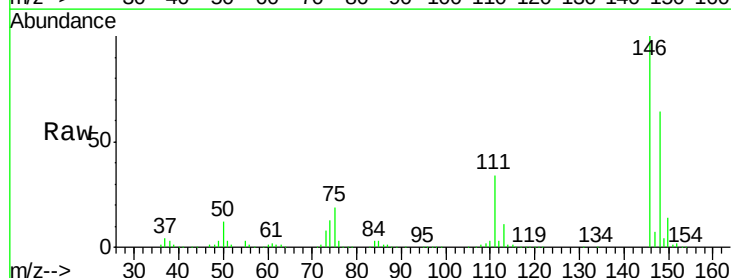
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 680417  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 20.6 61.9  
 148 63.0 31.1 93.3

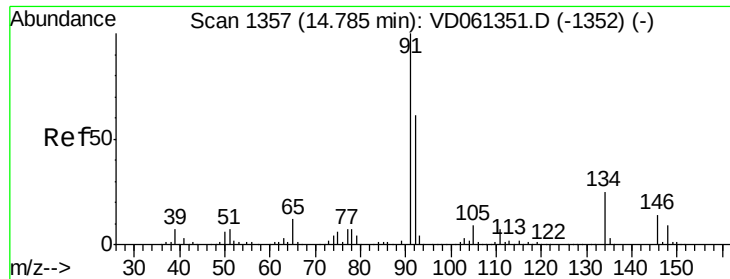


#88  
 1,4-Dichlorobenzene  
 Concen: 49.306 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion:146 Resp: 709930  
 Ion Ratio Lower Upper  
 146 100  
 111 34.2 16.8 50.4  
 148 64.0 32.6 98.0







#89

n-Butylbenzene

Concen: 48.907 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061411.D

Acq: 29 Mar 2019 2:28

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

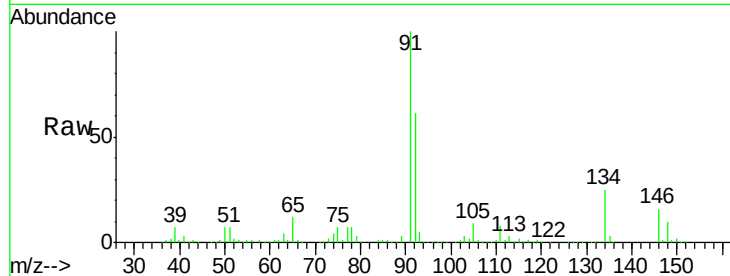
Tot Ion: 91 Resp: 1149947

Ion Ratio Lower Upper

91 100

92 61.4 30.3 91.0

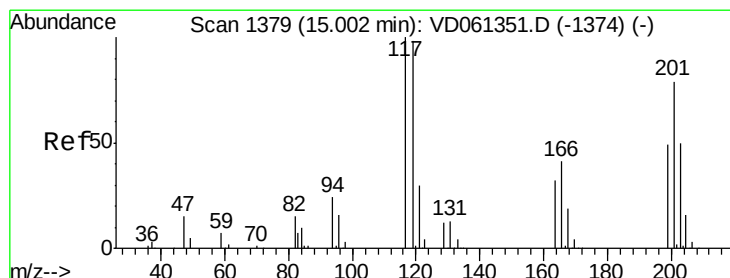
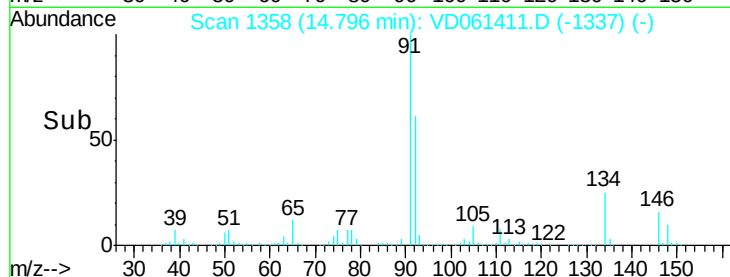
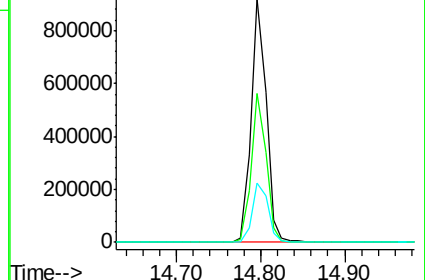
134 24.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 51.017 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061411.D

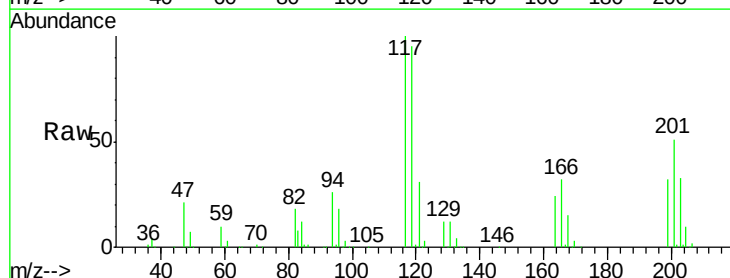
Acq: 29 Mar 2019 2:28

Tgt Ion: 117 Resp: 369225

Ion Ratio Lower Upper

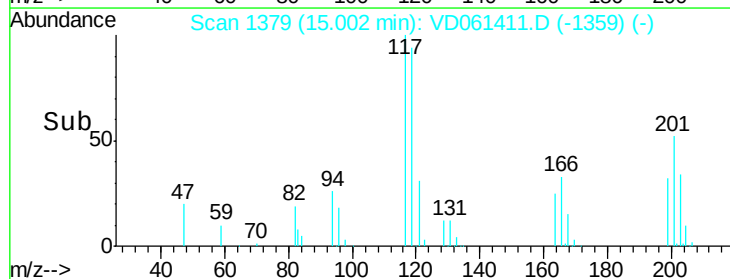
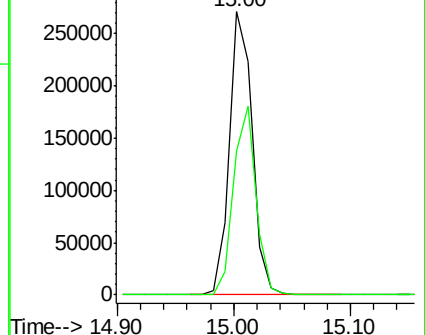
117 100

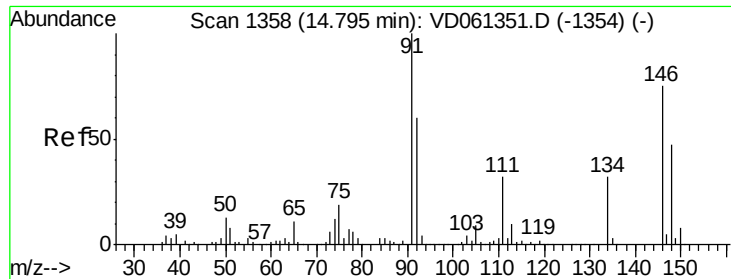
201 50.6 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

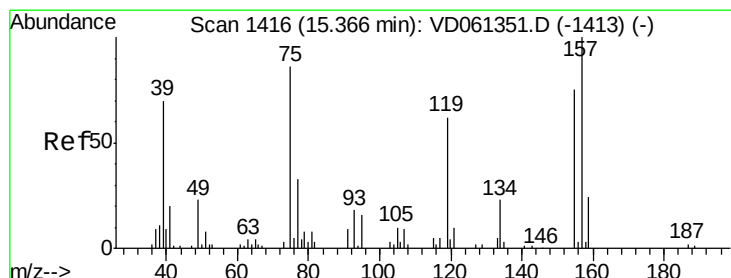
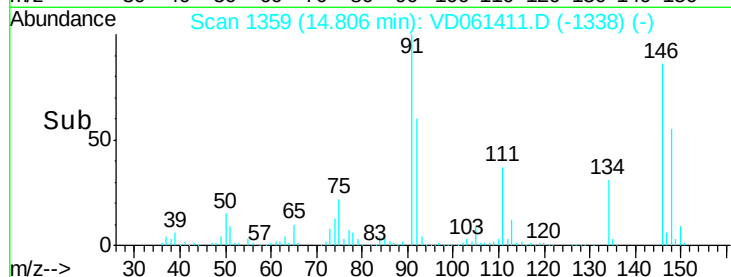
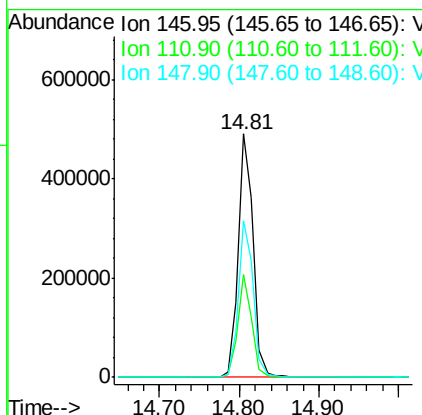
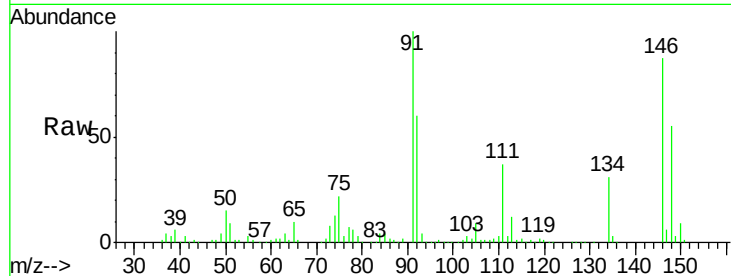




#91  
 1,2-Dichlorobenzene  
 Concen: 53.371 ug/l  
 RT: 14.81 min Scan# 1359  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

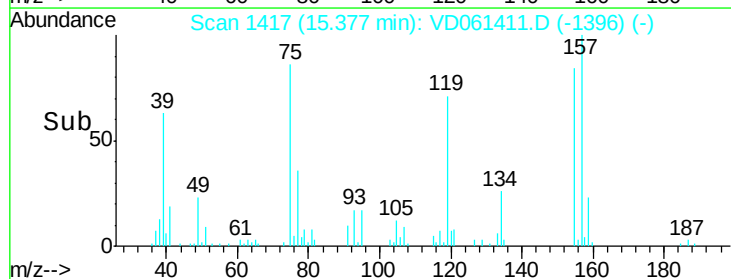
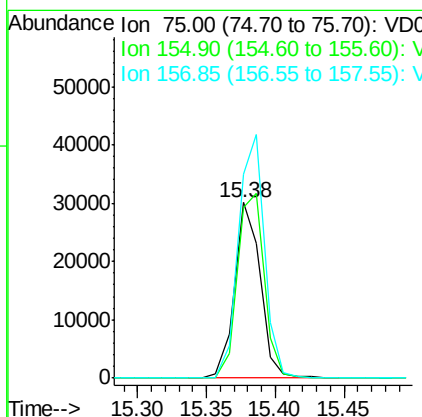
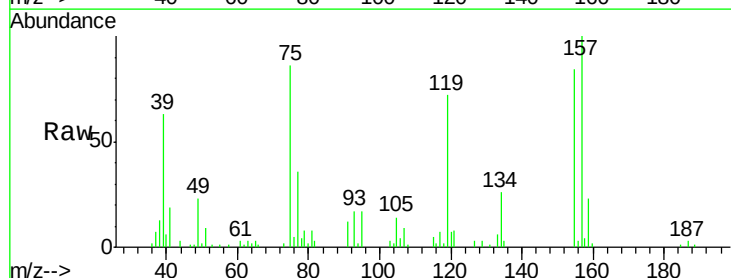
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

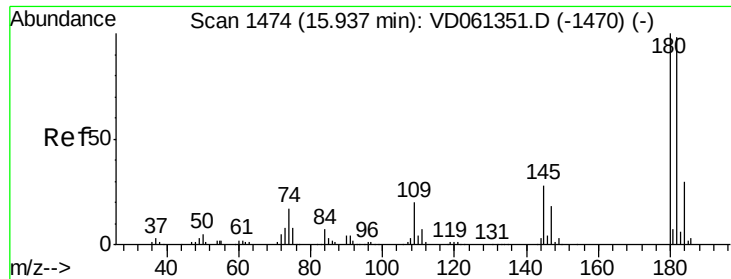
Tot Ion:146 Resp: 646358  
 Ion Ratio Lower Upper  
 146 100  
 111 42.3 21.2 63.6  
 148 64.1 31.6 95.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 53.928 ug/l  
 RT: 15.38 min Scan# 1417  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

Tgt Ion: 75 Resp: 39241  
 Ion Ratio Lower Upper  
 75 100  
 155 97.7 43.6 130.9  
 157 116.5 58.5 175.3

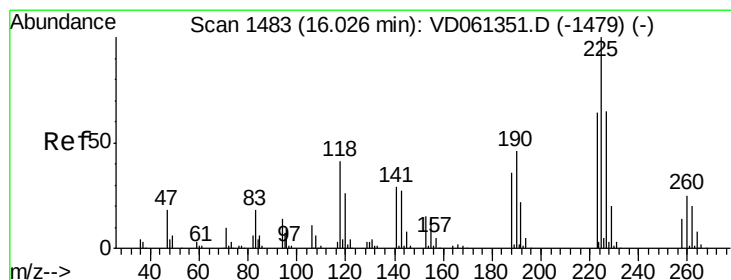
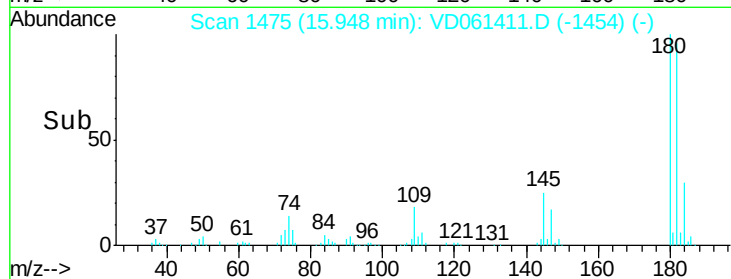
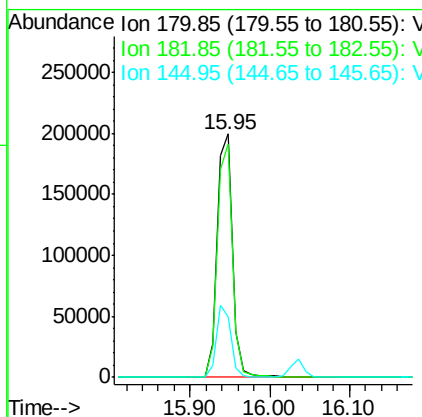
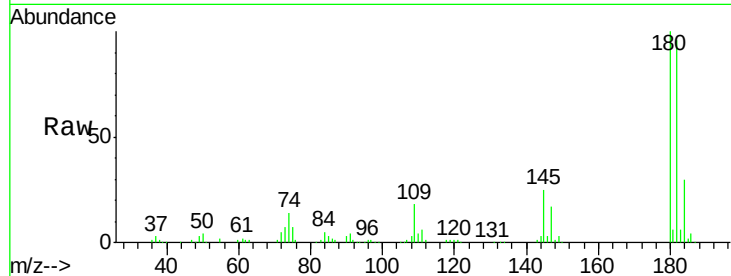




#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.413 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

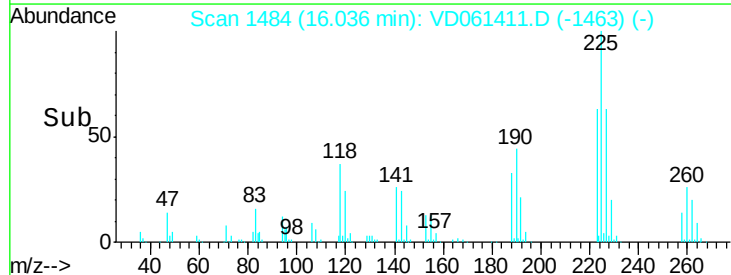
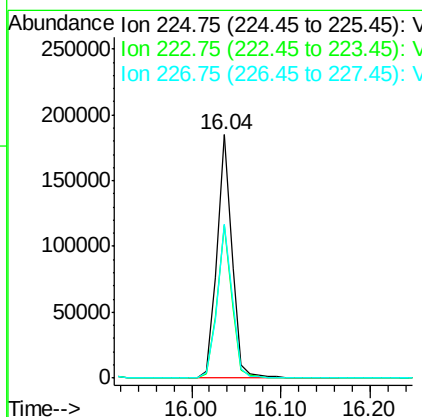
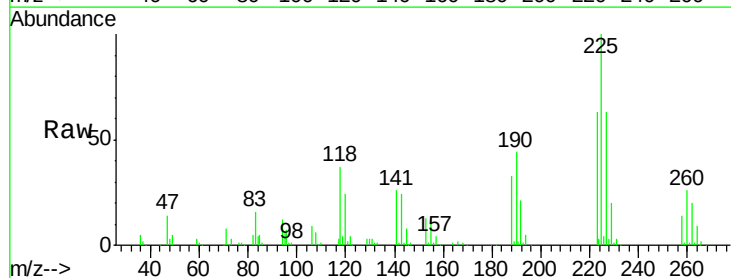
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

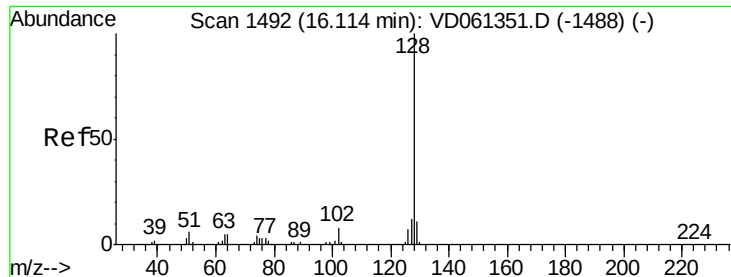
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 48.9  | 146.8 |
| 145     | 25.1  | 14.1  | 42.3  |



#94  
 Hexachlorobutadiene  
 Concen: 50.488 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. 0.01 min  
 Lab File: VD061411.D  
 Acq: 29 Mar 2019 2:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.5  | 32.0  | 96.0  |
| 227     | 63.5  | 32.4  | 97.2  |

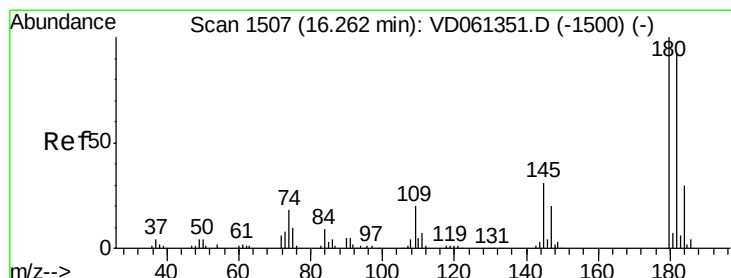
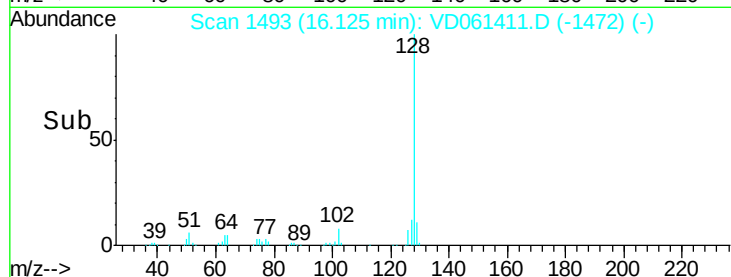
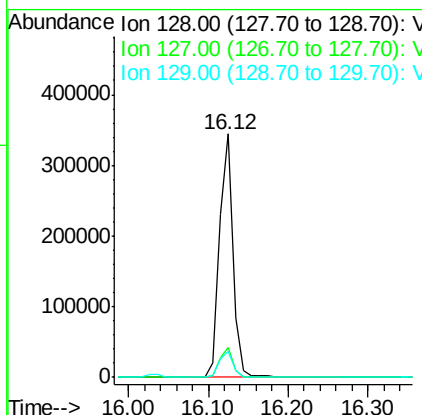
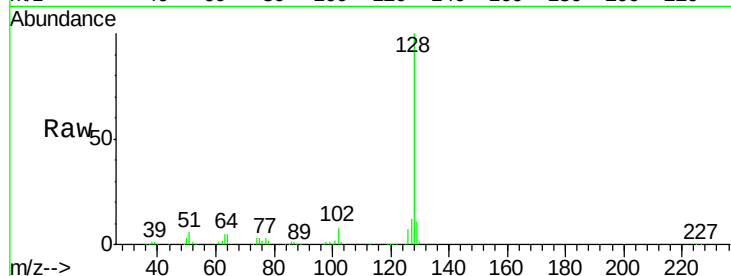




#95  
Naphthalene  
Concen: 49.427 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 415639  
Ion Ratio Lower Upper  
128 100  
127 12.2 9.9 14.9  
129 10.9 8.9 13.3



#96  
1,2,3-Trichlorobenzene  
Concen: 47.014 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.01 min  
Lab File: VD061411.D  
Acq: 29 Mar 2019 2:28

Tgt Ion:180 Resp: 114133  
Ion Ratio Lower Upper  
180 100  
182 95.4 46.4 139.1  
145 29.1 15.3 45.9

