

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\  
 Data File : VD061255.D  
 Acq On : 22 Mar 2019 12:37  
 Operator : VA/AP  
 Sample : VD0322SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBS01

Quant Time: Mar 22 23:26:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.11  | 168  | 670702   | 50.00 | ug/l  | 0.07     |
| 34) 1,4-Difluorobenzene    | 8.27  | 114  | 1085642  | 50.00 | ug/l  | 0.06     |
| 63) Chlorobenzene-d5       | 12.41 | 117  | 876988   | 50.00 | ug/l  | 0.05     |
| 72) 1,4-Dichlorobenzene-d4 | 14.54 | 152  | 341989   | 50.00 | ug/l  | 0.03     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.51  | 65   | 229385   | 41.09 | ug/l   | 0.07     |
| Spiked Amount               |       |      | Recovery | =     | 82.18% |          |
| 35) Dibromofluoromethane    | 6.99  | 113  | 360403   | 44.73 | ug/l   | 0.07     |
| Spiked Amount               |       |      | Recovery | =     | 89.46% |          |
| 50) Toluene-d8              | 10.46 | 98   | 832017   | 41.12 | ug/l   | 0.06     |
| Spiked Amount               |       |      | Recovery | =     | 82.24% |          |
| 62) 4-Bromofluorobenzene    | 13.59 | 95   | 339722   | 43.27 | ug/l   | 0.04     |
| Spiked Amount               |       |      | Recovery | =     | 86.54% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.61 | 85   | 124274   | 18.705  | ug/l   | 99     |
| 3) Chloromethane              | 1.79 | 50   | 98831    | 17.857  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.88 | 62   | 93540    | 18.291  | ug/l   | 99     |
| 5) Bromomethane               | 2.19 | 94   | 17031    | 16.153  | ug/l   | 95     |
| 6) Chloroethane               | 2.30 | 64   | 29338    | 19.166  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 2.57 | 101  | 132970   | 18.100  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.92 | 74   | 57344    | 23.661  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.20 | 101  | 159423   | 19.410  | ug/l   | 95     |
| 10) Methyl Iodide             | 3.36 | 142  | 191864   | 18.901  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 4.13 | 59   | 36979    | 104.045 | ug/l # | 93     |
| 12) 1,1-Dichloroethene        | 3.18 | 96   | 129319   | 19.208  | ug/l   | 93     |
| 13) Acrolein                  | 3.08 | 56   | 27286    | 53.060  | ug/l   | 97     |
| 14) Allyl chloride            | 3.67 | 41   | 187553   | 17.411  | ug/l   | 94     |
| 15) Acrylonitrile             | 4.27 | 53   | 129873   | 103.390 | ug/l   | 99     |
| 16) Acetone                   | 3.27 | 43   | 161872   | 101.394 | ug/l   | 100    |
| 17) Carbon Disulfide          | 3.43 | 76   | 362818   | 15.976  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.69 | 43   | 57211    | 18.210  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 4.29 | 73   | 253524   | 21.487  | ug/l   | 98     |
| 20) Methylene Chloride        | 3.87 | 84   | 179396   | 22.037  | ug/l   | 94     |
| 21) trans-1,2-Dichloroethene  | 4.28 | 96   | 145320   | 19.942  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.19 | 45   | 423022   | 18.917  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.13 | 43   | 1161178  | 101.155 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.06 | 63   | 246197   | 20.095  | ug/l   | 99     |
| 25) 2-Butanone                | 6.14 | 43   | 206918   | 114.222 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.10 | 77   | 210869   | 22.047  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.11 | 96   | 172615   | 22.326  | ug/l   | 94     |
| 28) Bromochloromethane        | 6.50 | 49   | 82421    | 15.891  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 6.52 | 42   | 94467    | 96.036  | ug/l   | 95     |
| 30) Chloroform                | 6.74 | 83   | 260228   | 20.494  | ug/l   | 98     |
| 31) Cyclohexane               | 7.02 | 56   | 192264   | 19.462  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.93 | 97   | 220386   | 20.075  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.21 | 75   | 191830   | 20.499  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.24 | 43   | 91409    | 20.815  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.18 | 117  | 222616   | 21.596  | ug/l   | 97     |

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 Sample : VD0322SBSD01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBSD01

Quant Time: Mar 22 23:26:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.92  | 83   | 187544   | 19.327  | ug/l   | 96       |
| 40) Benzene                    | 7.52  | 78   | 455435   | 19.477  | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.51  | 41   | 100642   | 19.925  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 7.64  | 62   | 144117   | 21.238  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.29  | 43   | 127083   | 20.894  | ug/l # | 95       |
| 44) Trichloroethene            | 8.60  | 130  | 176719   | 21.906  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.99  | 63   | 114151   | 18.581  | ug/l   | 98       |
| 46) Dibromomethane             | 9.12  | 93   | 80049    | 20.542  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.43  | 83   | 184836   | 21.019  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.17  | 41   | 70744    | 20.658  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.13  | 88   | 16115    | 465.371 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.35 | 43   | 391313   | 105.018 | ug/l   | 95       |
| 52) Toluene                    | 10.56 | 92   | 319922   | 22.002  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.96 | 75   | 164994   | 20.519  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 204780   | 21.196  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 11.24 | 97   | 107559   | 22.212  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.09 | 69   | 98812    | 19.495  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 11.45 | 76   | 154242   | 21.315  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.91  | 63   | 273429   | 101.915 | ug/l   | 98       |
| 59) 2-Hexanone                 | 11.57 | 43   | 286916   | 105.265 | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.73 | 129  | 153238   | 21.502  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.85 | 107  | 116600   | 20.699  | ug/l   | 95       |
| 64) Tetrachloroethene          | 11.30 | 164  | 132020   | 22.300  | ug/l   | 96       |
| 65) Chlorobenzene              | 12.44 | 112  | 385658   | 22.432  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.54 | 131  | 141388   | 23.071  | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.55 | 91   | 559706   | 21.867  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.70 | 106  | 421246   | 41.931  | ug/l   | 94       |
| 69) o-Xylene                   | 13.08 | 106  | 202697   | 20.526  | ug/l   | 97       |
| 70) Styrene                    | 13.11 | 104  | 341314   | 21.167  | ug/l   | 97       |
| 71) Bromoform                  | 13.26 | 173  | 86895    | 21.980  | ug/l   | 93       |
| 73) Isopropylbenzene           | 13.43 | 105  | 569466   | 23.105  | ug/l   | 97       |
| 74) N-amyl acetate             | 13.29 | 43   | 149863   | 21.595  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.73 | 83   | 104473   | 21.726  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.76 | 75   | 116883   | 23.756  | ug/l   | 98       |
| 77) Bromobenzene               | 13.70 | 156  | 149431   | 23.751  | ug/l   | 91       |
| 78) n-propylbenzene            | 13.80 | 91   | 668465   | 23.168  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 13.86 | 91   | 351385   | 22.121  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 14.27 | 105  | 480943   | 25.704  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 13.50 | 75   | 33204    | 22.891  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.97 | 91   | 389736   | 20.754  | ug/l   | 94       |
| 83) tert-Butylbenzene          | 14.22 | 119  | 573471   | 28.006  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 14.27 | 105  | 480943   | 25.704  | ug/l   | 96       |
| 85) sec-Butylbenzene           | 14.40 | 105  | 590804   | 23.634  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 14.51 | 119  | 462982   | 22.658  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.48 | 146  | 276817   | 24.640  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.56 | 146  | 236082   | 21.384  | ug/l   | 100      |
| 89) n-Butylbenzene             | 14.82 | 91   | 434670   | 22.152  | ug/l   | 99       |
| 90) Hexachloroethane           | 15.03 | 117  | 134366   | 23.288  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 14.84 | 146  | 231802   | 24.750  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.41 | 75   | 14287    | 24.655  | ug/l   | 94       |

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Operator : VA/AP  
Sample : VD0322SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

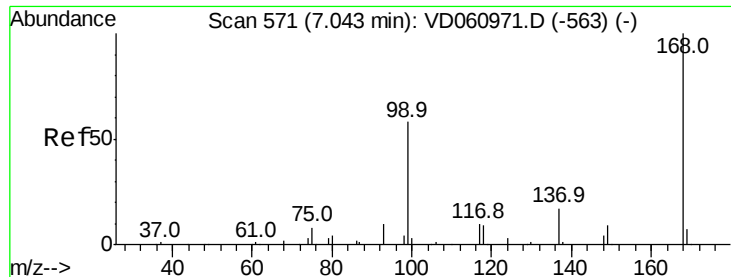
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

Quant Time: Mar 22 23:26:00 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.97 | 180  | 104207   | 23.985 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 16.06 | 225  | 79365    | 24.150 | ug/l  | 97       |
| 95) Naphthalene            | 16.15 | 128  | 152659   | 23.122 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.30 | 180  | 45139    | 21.035 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

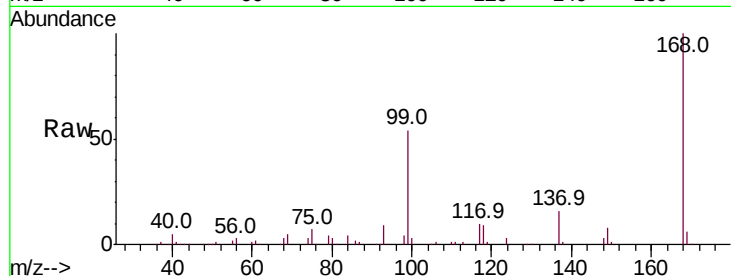
VD0322SBS01

Tot Ion:168 Resp: 670702

Ion Ratio Lower Upper

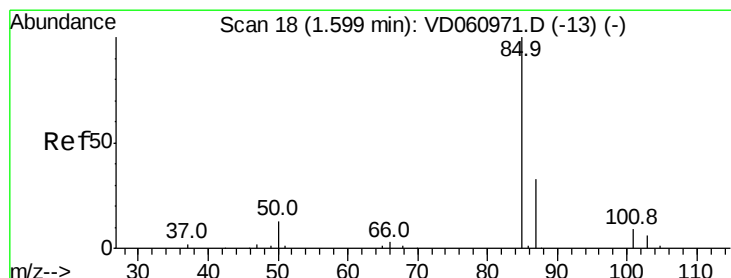
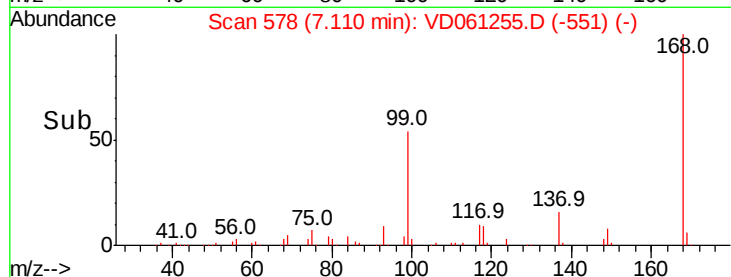
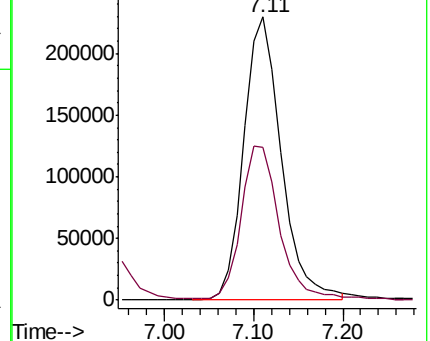
168 100

99 54.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.705 ug/l

RT: 1.61 min Scan# 19

Delta R.T. 0.01 min

Lab File: VD061255.D

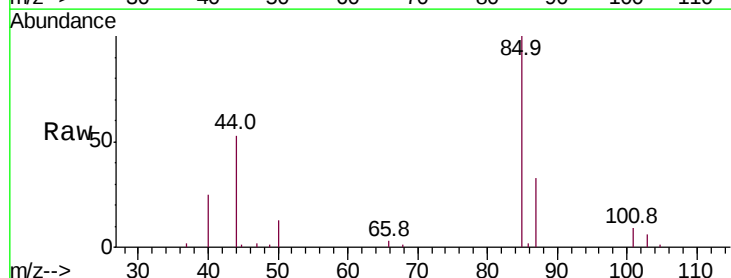
Acq: 22 Mar 2019 12:37

Tgt Ion: 85 Resp: 124274

Ion Ratio Lower Upper

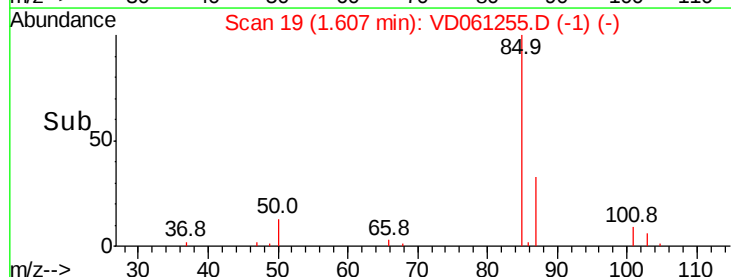
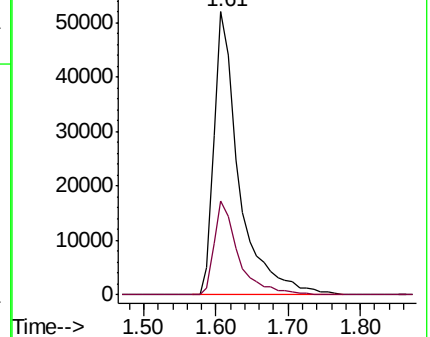
85 100

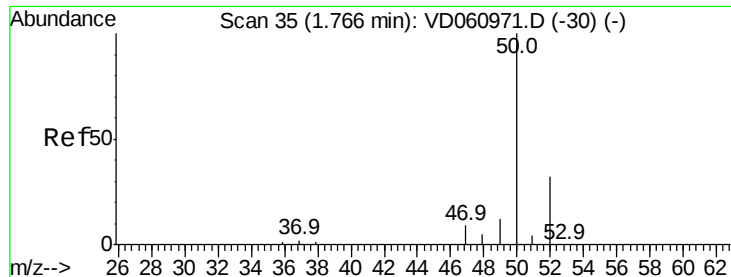
87 33.3 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.857 ug/l

RT: 1.79 min Scan# 38

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

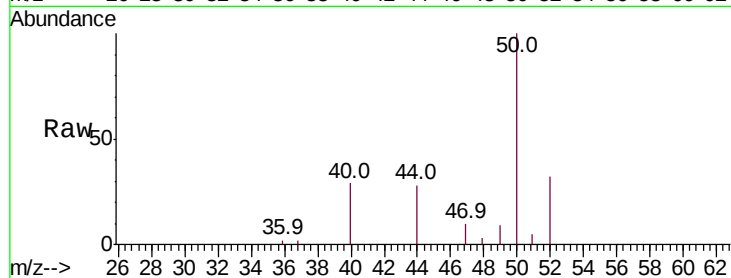
VD0322SBS01

Tot Ion: 50 Resp: 98831

Ion Ratio Lower Upper

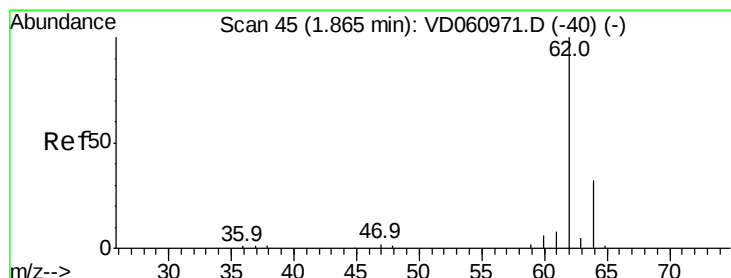
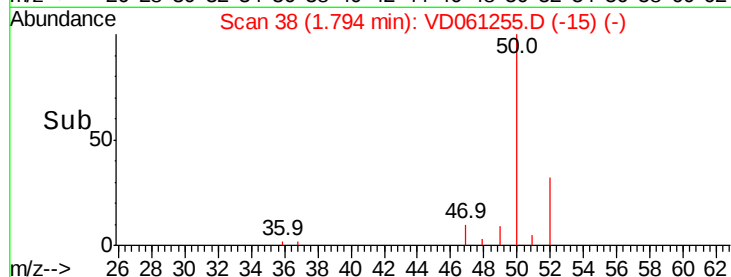
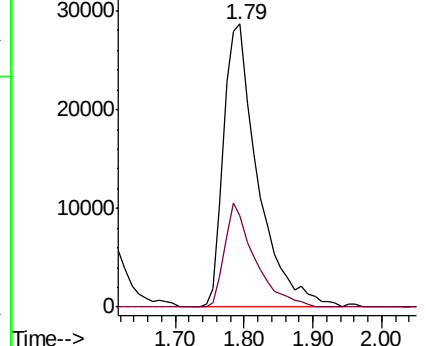
50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.291 ug/l

RT: 1.88 min Scan# 47

Delta R.T. 0.02 min

Lab File: VD061255.D

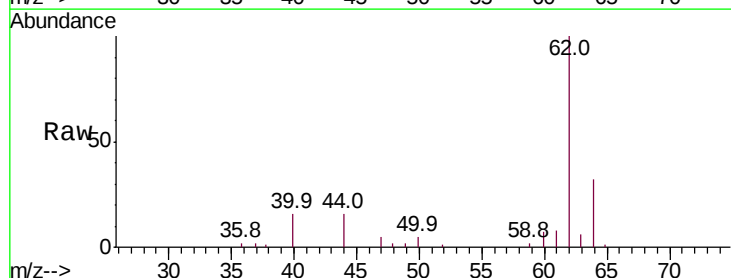
Acq: 22 Mar 2019 12:37

Tgt Ion: 62 Resp: 93540

Ion Ratio Lower Upper

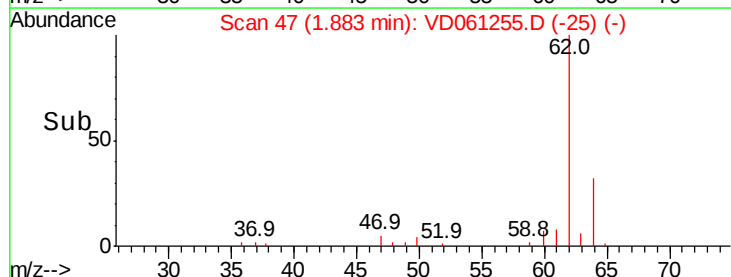
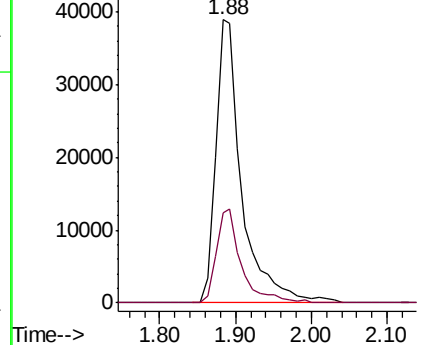
62 100

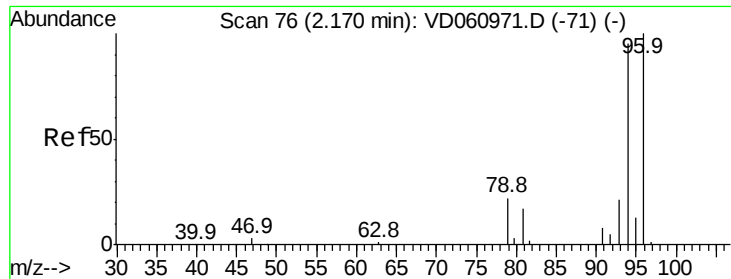
64 31.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.153 ug/l

RT: 2.19 min Scan# 78

Delta R.T. 0.02 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

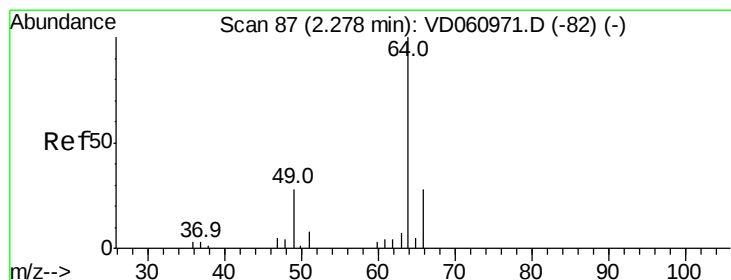
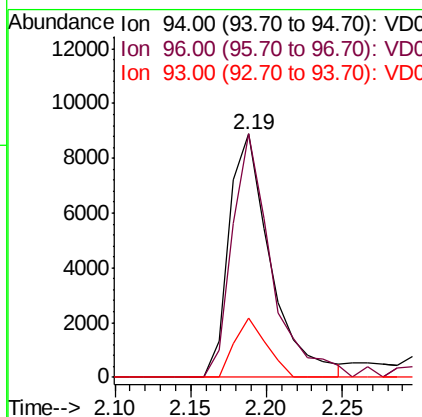
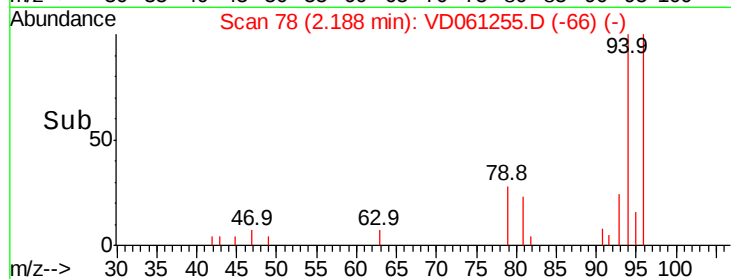
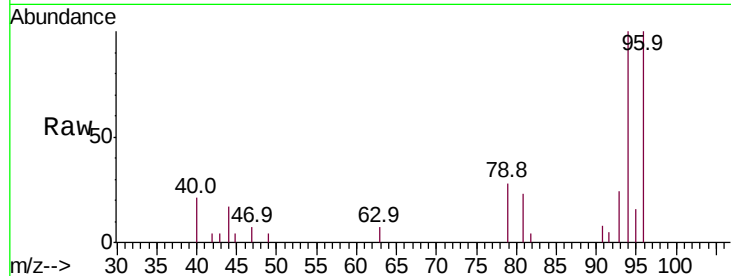
Tot Ion: 94 Resp: 17031

Ion Ratio Lower Upper

94 100

96 100.0 84.0 126.0

93 24.1 17.3 25.9



#6

Chloroethane

Concen: 19.166 ug/l

RT: 2.30 min Scan# 89

Delta R.T. 0.02 min

Lab File: VD061255.D

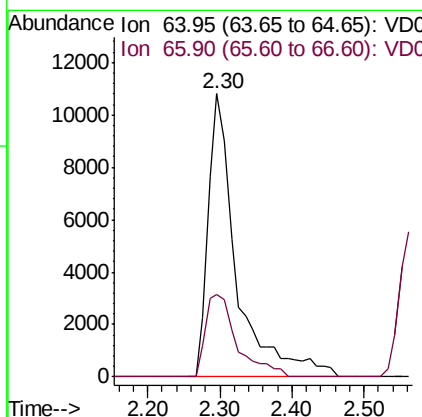
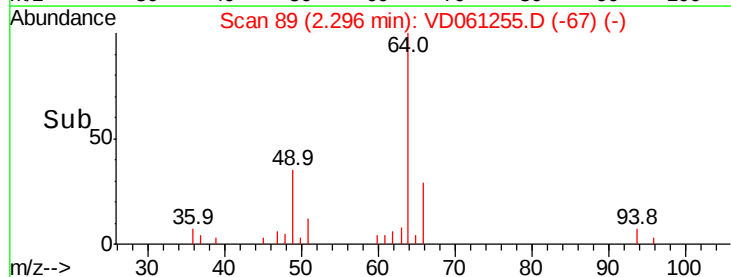
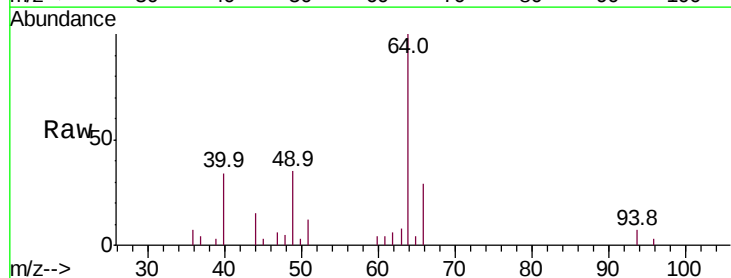
Acq: 22 Mar 2019 12:37

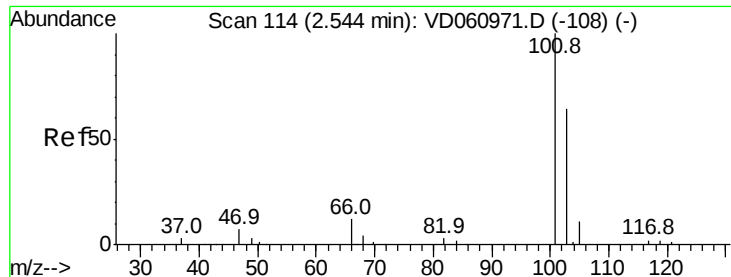
Tgt Ion: 64 Resp: 29338

Ion Ratio Lower Upper

64 100

66 29.1 22.2 33.2



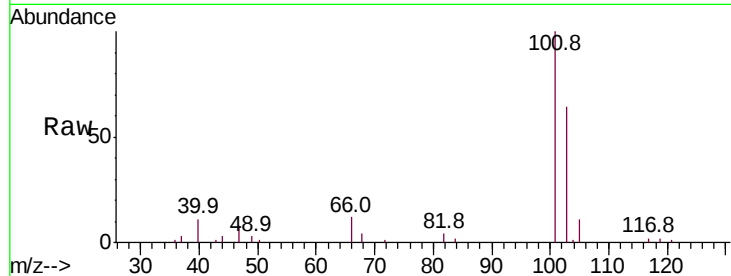


#7

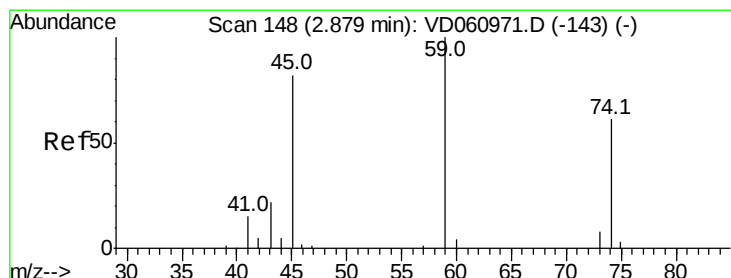
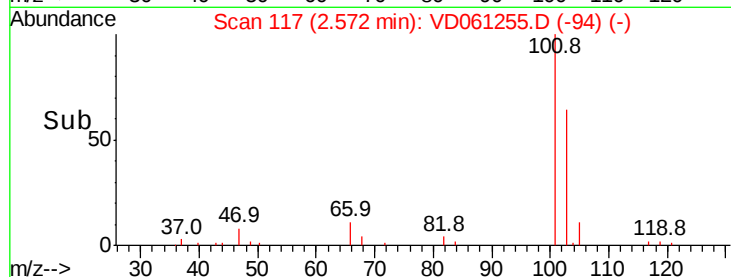
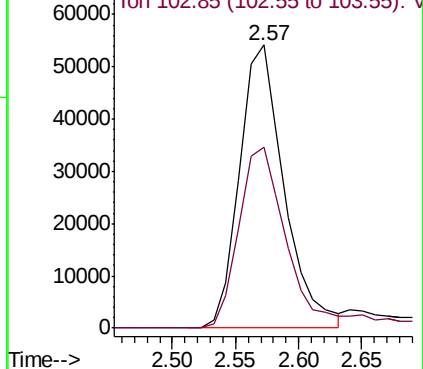
Trichlorofluoromethane  
Concen: 18.100 ug/l  
RT: 2.57 min Scan# 117  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

Tot Ion:101 Resp: 132970  
Ion Ratio Lower Upper  
101 100  
103 64.0 51.2 76.8



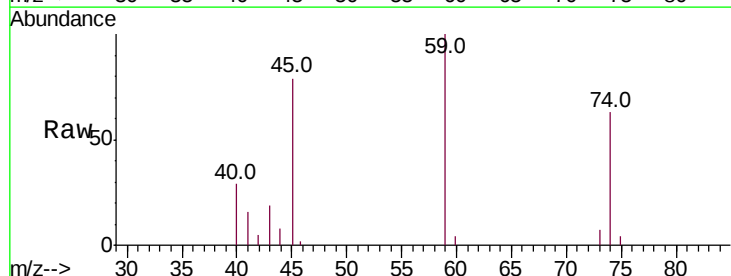
Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 102.85 (102.55 to 103.55): V



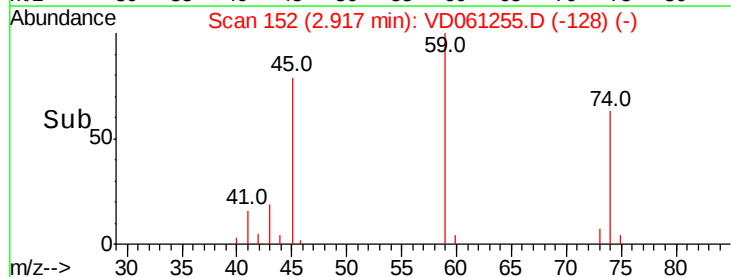
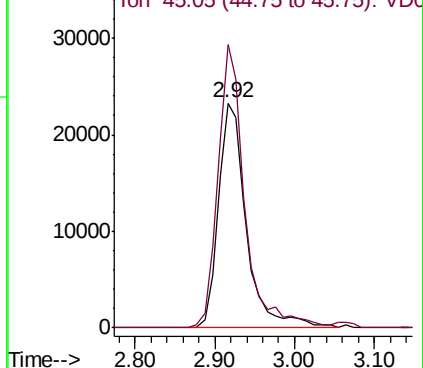
#8

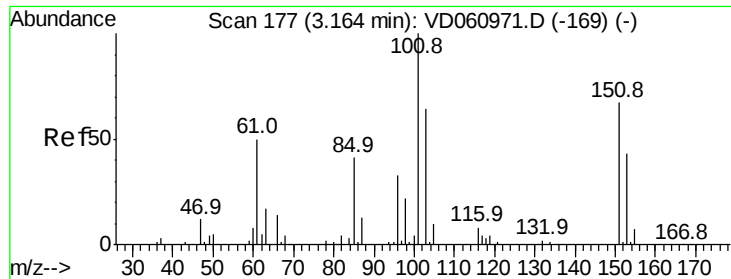
Diethyl Ether  
Concen: 23.661 ug/l  
RT: 2.92 min Scan# 152  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 74 Resp: 57344  
Ion Ratio Lower Upper  
74 100  
45 125.8 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.410 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

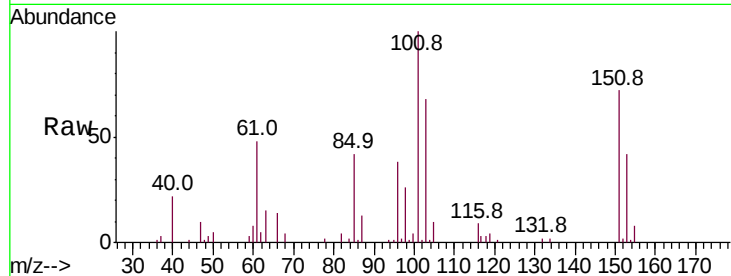
Tot Ion:101 Resp: 159423

Ion Ratio Lower Upper

101 100

85 41.6 32.5 48.7

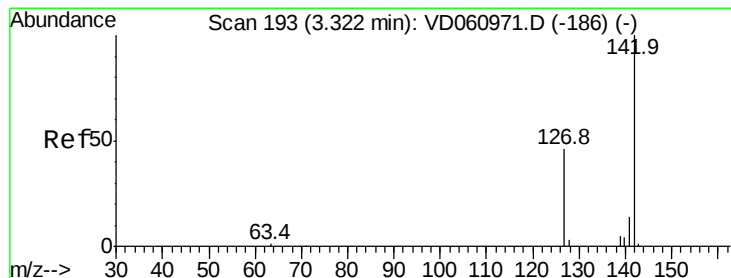
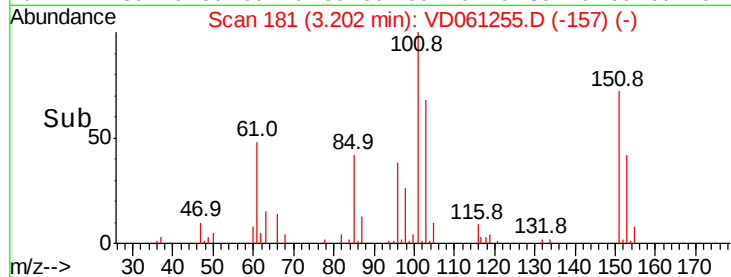
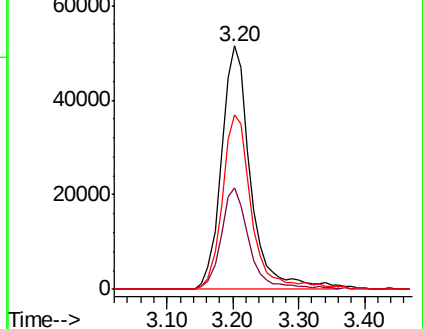
151 71.9 53.3 79.9



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: 18.901 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

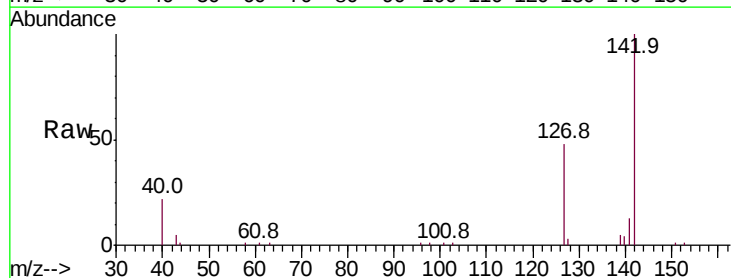
Tgt Ion:142 Resp: 191864

Ion Ratio Lower Upper

142 100

127 47.6 36.8 55.2

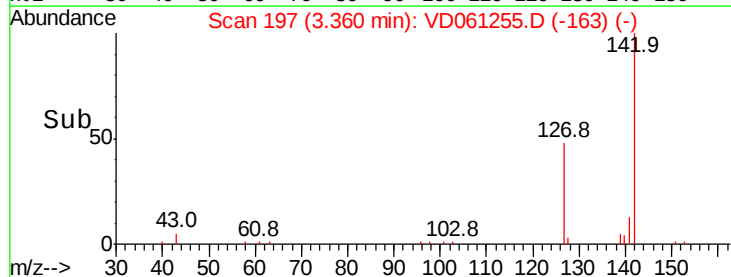
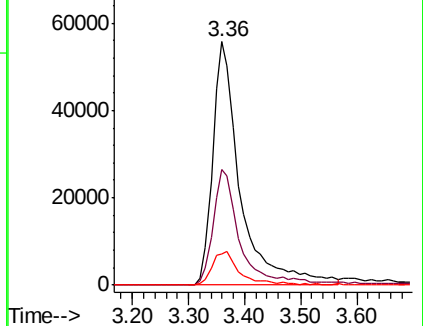
141 12.6 11.2 16.8

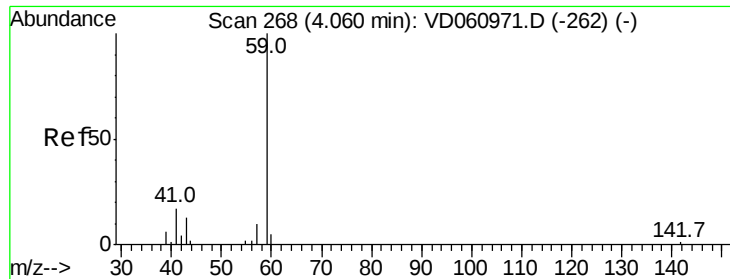


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



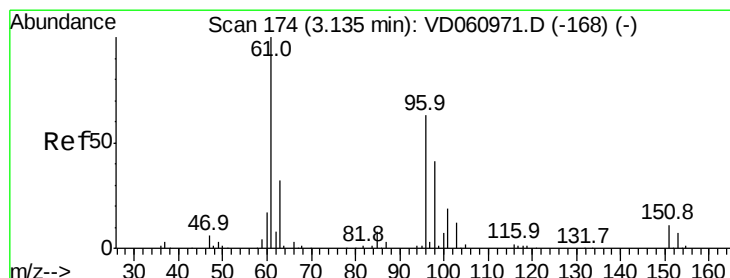
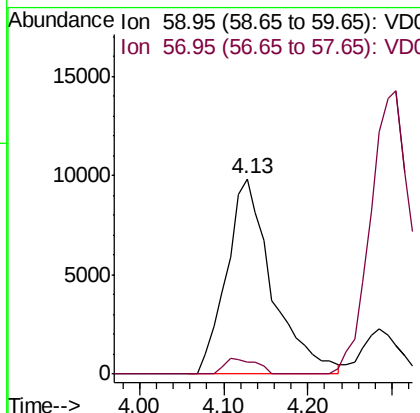
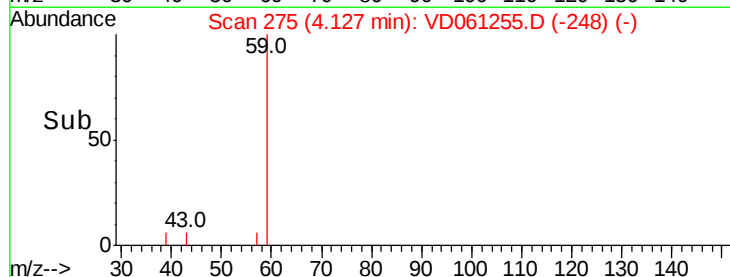
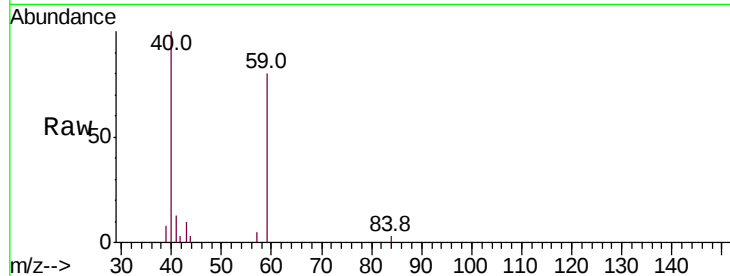


#11

Tert butyl alcohol  
Concen: 104.045 ug/l  
RT: 4.13 min Scan# 275  
Delta R.T. 0.07 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

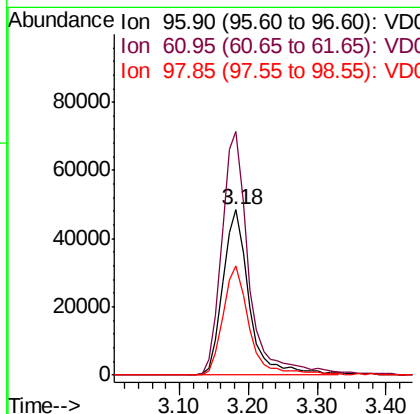
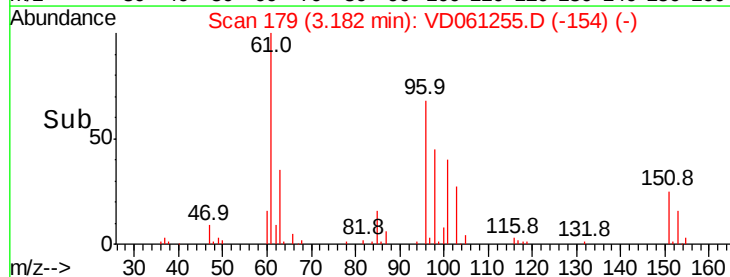
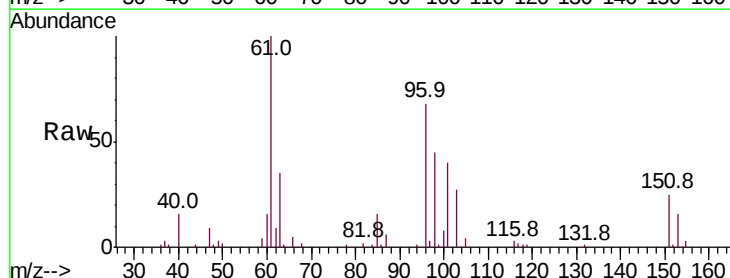
Tot Ion: 59 Resp: 36979  
Ion Ratio Lower Upper  
59 100  
57 6.4 7.1 10.7#

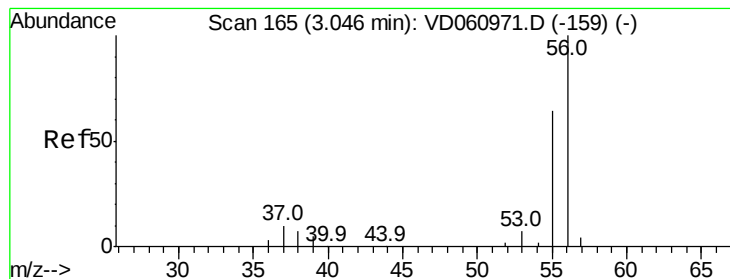


#12

1,1-Dichloroethene  
Concen: 19.208 ug/l  
RT: 3.18 min Scan# 179  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 96 Resp: 129319  
Ion Ratio Lower Upper  
96 100  
61 147.5 127.1 190.7  
98 66.4 51.5 77.3





#13

Acrolein

Concen: 53.060 ug/l

RT: 3.08 min Scan# 169

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

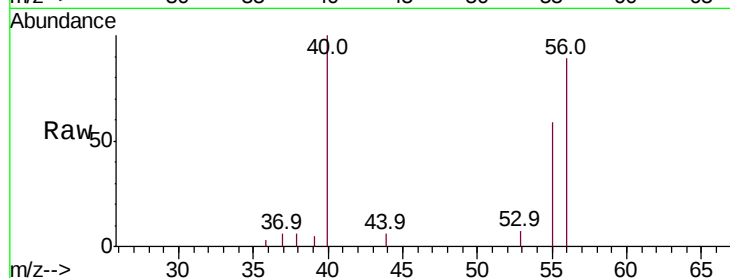
VD0322SBS01

Tot Ion: 56 Resp: 27286

Ion Ratio Lower Upper

56 100

55 66.1 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

2000

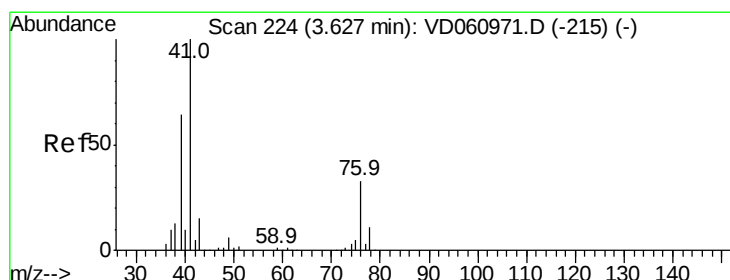
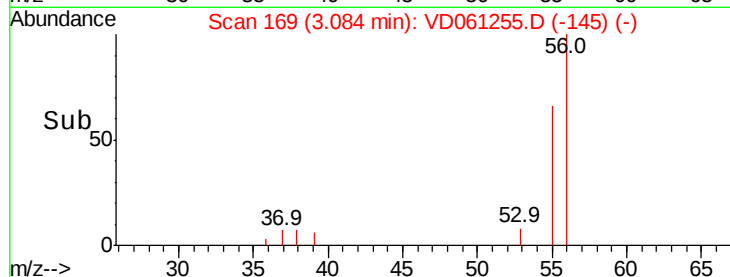
0

Time-->

3.00

3.10

3.20



#14

Allyl chloride

Concen: 17.411 ug/l

RT: 3.67 min Scan# 229

Delta R.T. 0.05 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

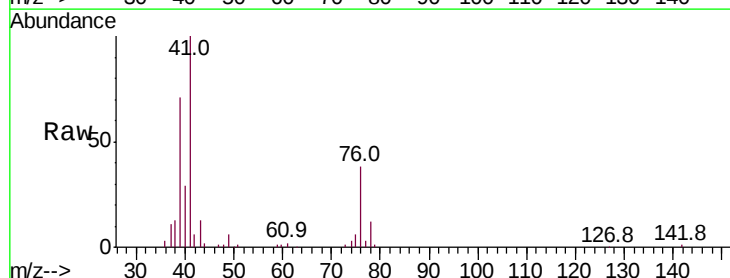
Tgt Ion: 41 Resp: 187553

Ion Ratio Lower Upper

41 100

39 70.6 51.1 76.7

76 37.9 29.1 43.7



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

80000

60000

40000

20000

0

Time-->

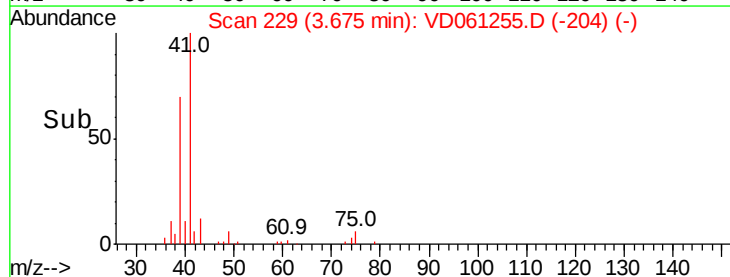
3.50

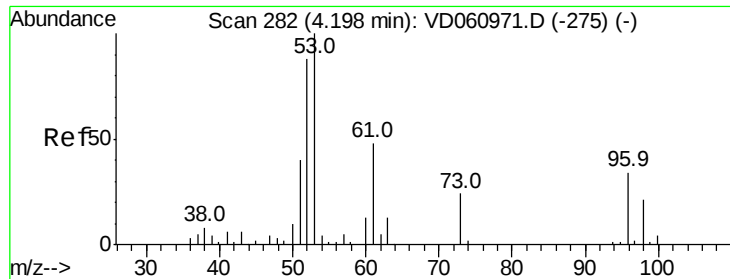
3.60

3.70

3.80

3.90





#15

Acrylonitrile

Concen: 103.390 ug/l

RT: 4.27 min Scan# 289

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

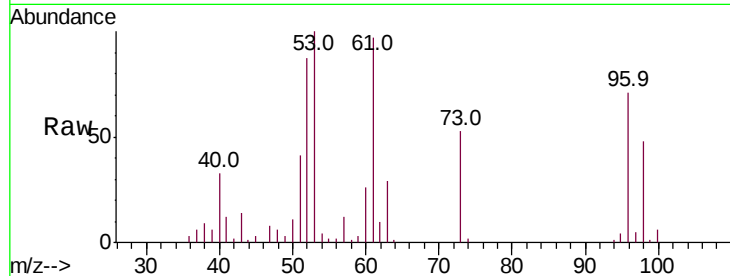
Tot Ion: 53 Resp: 129873

Ion Ratio Lower Upper

53 100

52 86.7 70.2 105.4

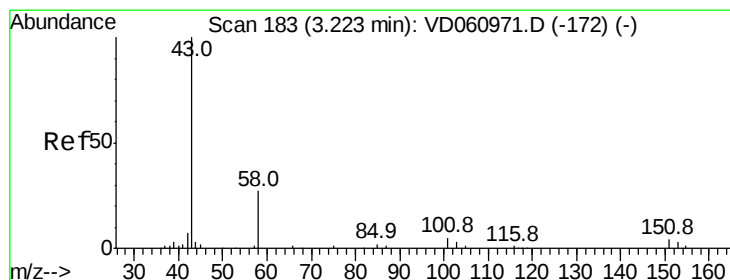
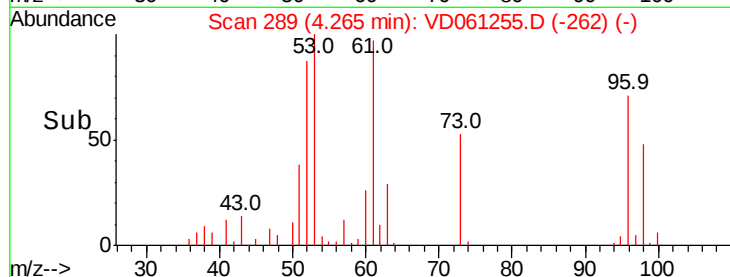
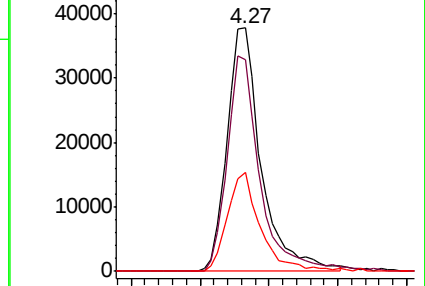
51 40.9 31.7 47.5



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: 101.394 ug/l

RT: 3.27 min Scan# 188

Delta R.T. 0.05 min

Lab File: VD061255.D

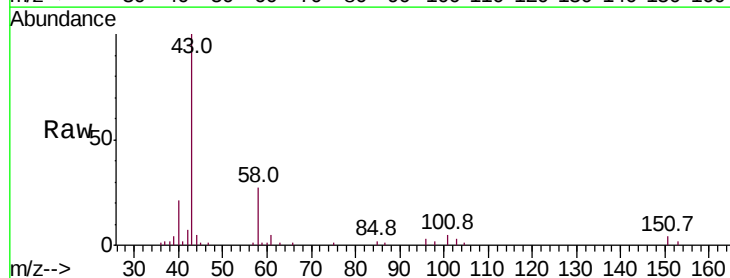
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 161872

Ion Ratio Lower Upper

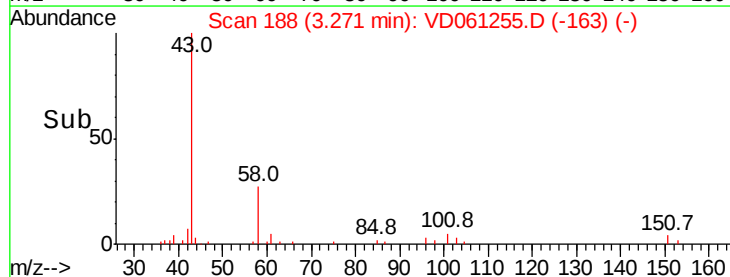
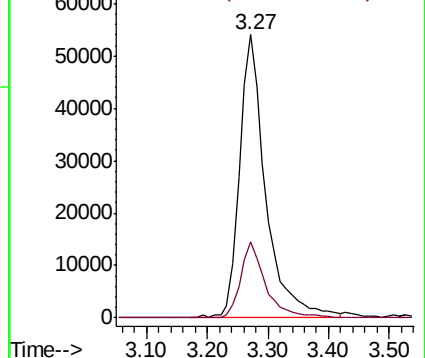
43 100

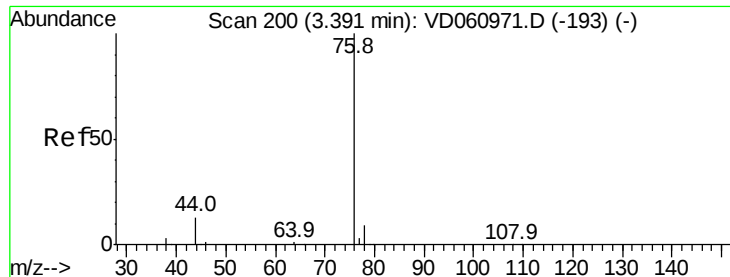
58 26.8 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 15.976 ug/l

RT: 3.43 min Scan# 204

Delta R.T. 0.04 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

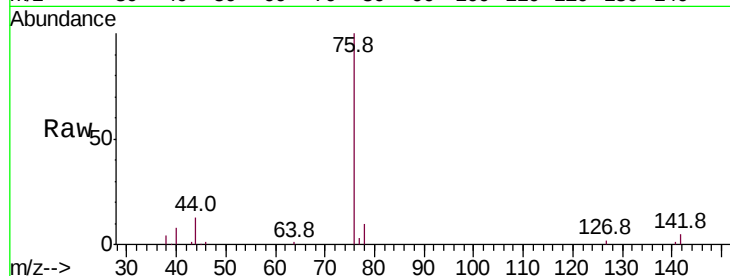
VD0322SBS01

Tot Ion: 76 Resp: 362818

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.43

150000

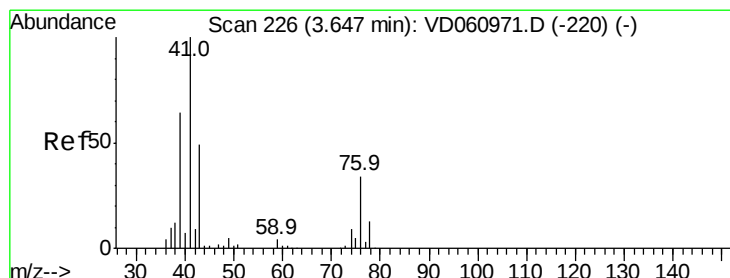
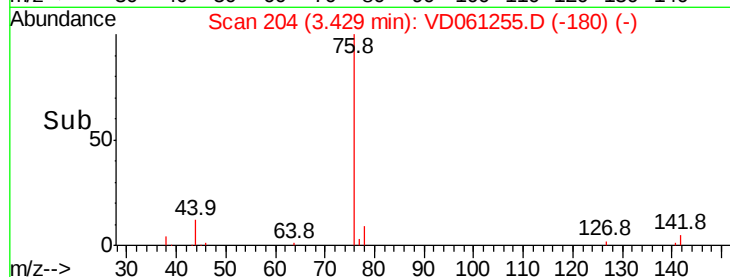
100000

50000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 18.210 ug/l

RT: 3.69 min Scan# 231

Delta R.T. 0.05 min

Lab File: VD061255.D

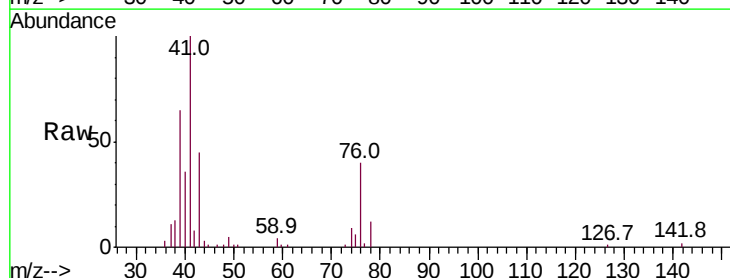
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 57211

Ion Ratio Lower Upper

43 100

74 20.5 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.69

20000

15000

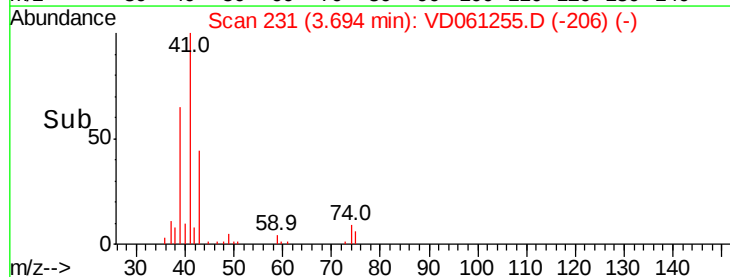
10000

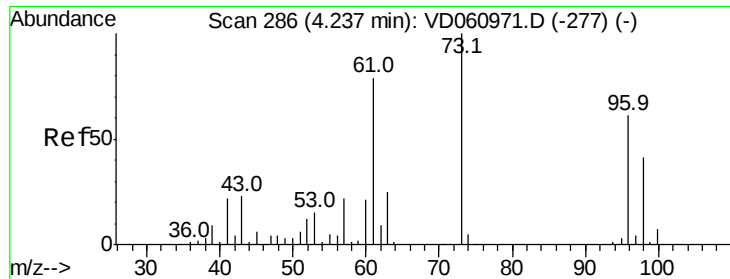
5000

0

3.60 3.70 3.80 3.90

Time-->

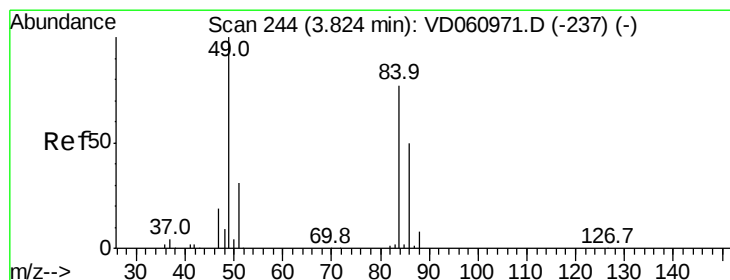
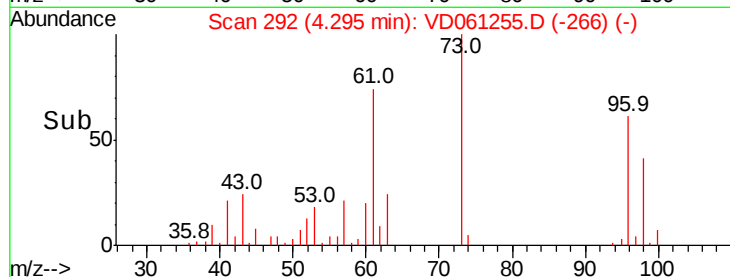
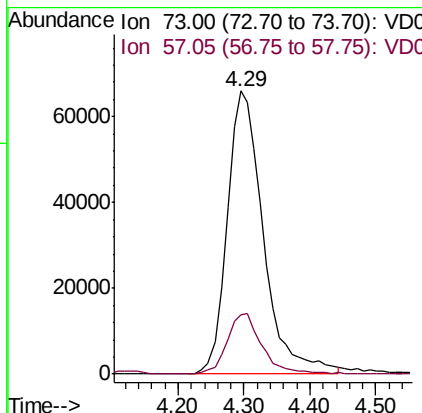
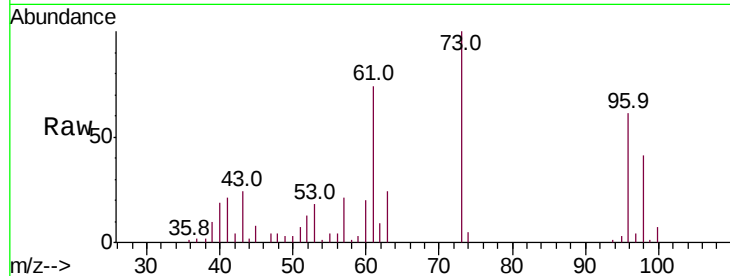




#19  
Methyl tert-butyl Ether  
Concen: 21.487 ug/l  
RT: 4.29 min Scan# 292  
Delta R.T. 0.06 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

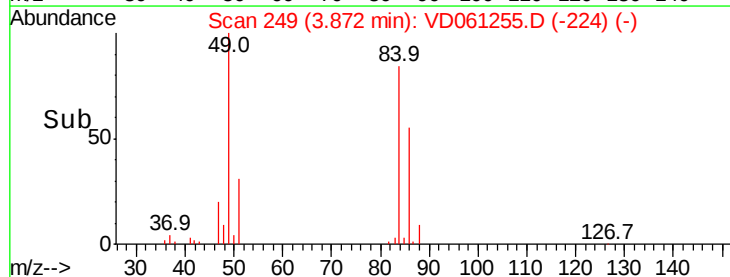
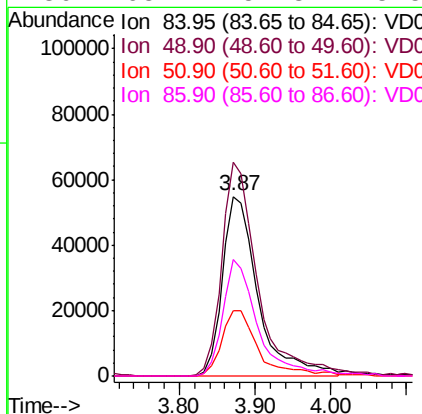
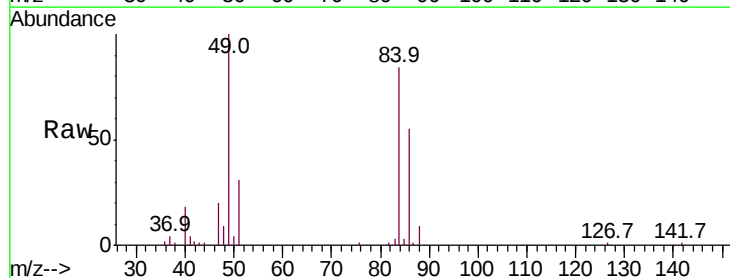
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

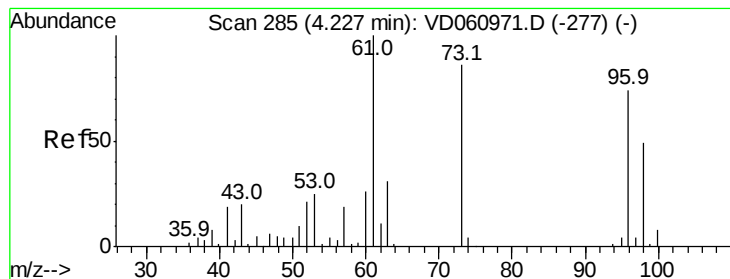
Tot Ion: 73 Resp: 253524  
Ion Ratio Lower Upper  
73 100  
57 21.0 17.7 26.5



#20  
Methylene Chloride  
Concen: 22.037 ug/l  
RT: 3.87 min Scan# 249  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 84 Resp: 179396  
Ion Ratio Lower Upper  
84 100  
49 118.9 104.2 156.2  
51 36.6 32.3 48.5  
86 65.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.942 ug/l

RT: 4.28 min Scan# 291

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

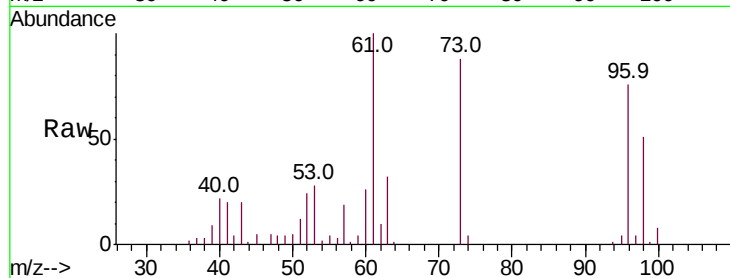
Tot Ion: 96 Resp: 145320

Ion Ratio Lower Upper

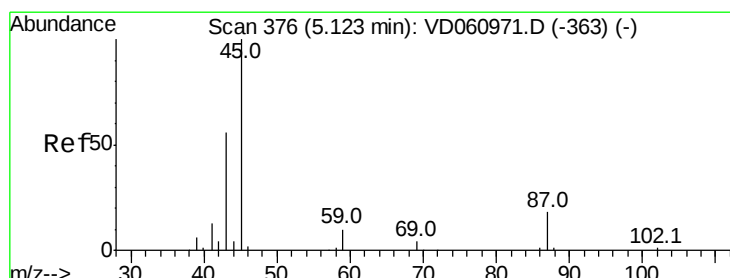
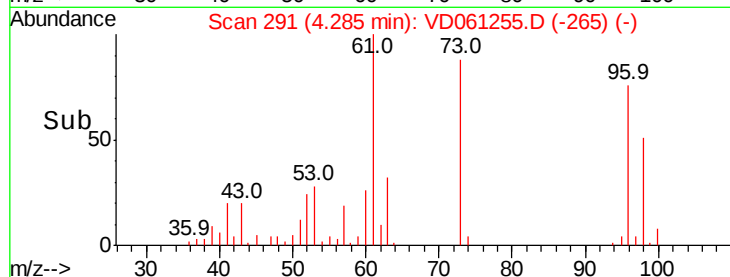
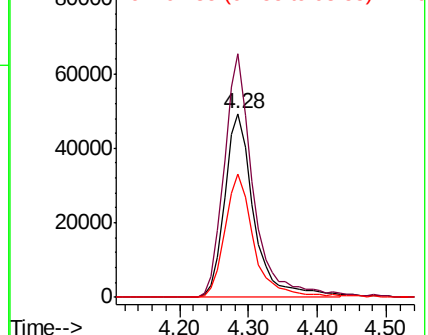
96 100

61 132.3 108.4 162.6

98 66.9 53.0 79.4



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: 18.917 ug/l

RT: 5.19 min Scan# 383

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Tgt Ion: 45 Resp: 423022

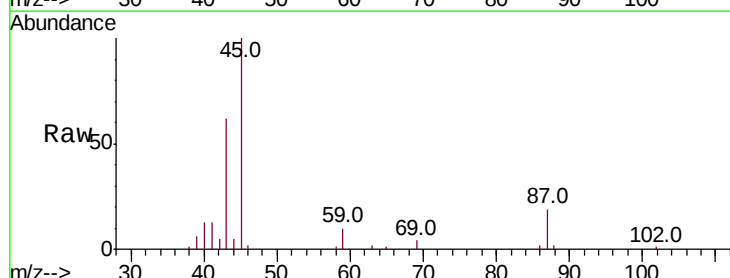
Ion Ratio Lower Upper

45 100

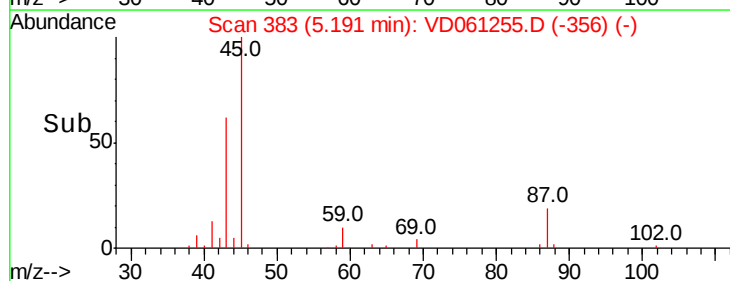
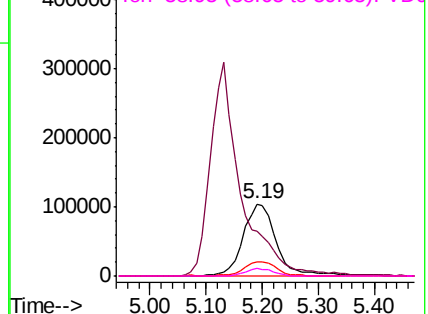
43 62.3 45.8 68.8

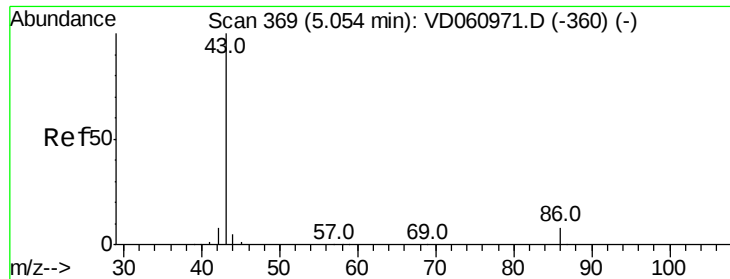
87 19.0 14.9 22.3

59 10.3 8.0 12.0



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: 101.155 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.08 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

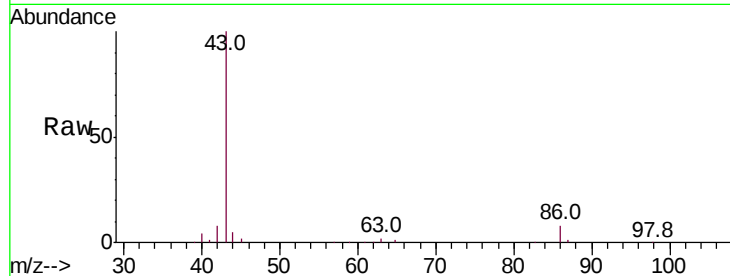
VD0322SBSD01

Tot Ion: 43 Resp: 1161178

Ion Ratio Lower Upper

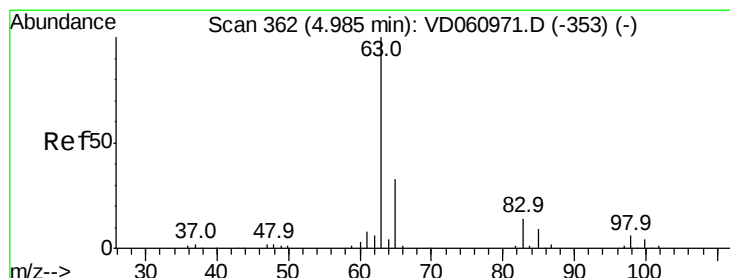
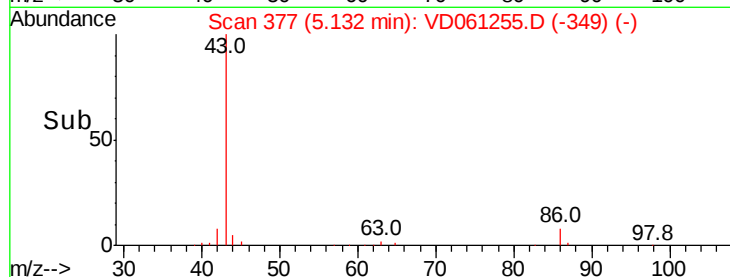
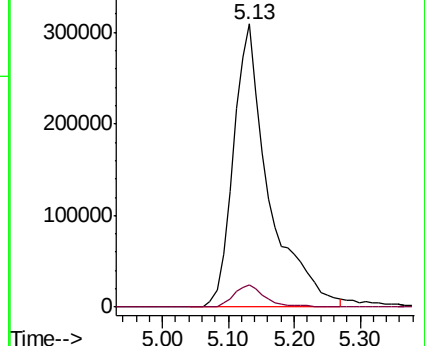
43 100

86 7.9 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.095 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.08 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

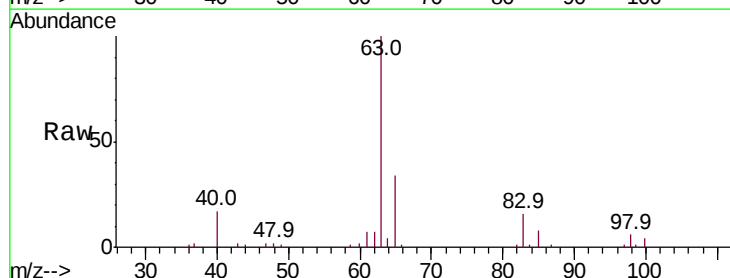
Tgt Ion: 63 Resp: 246197

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

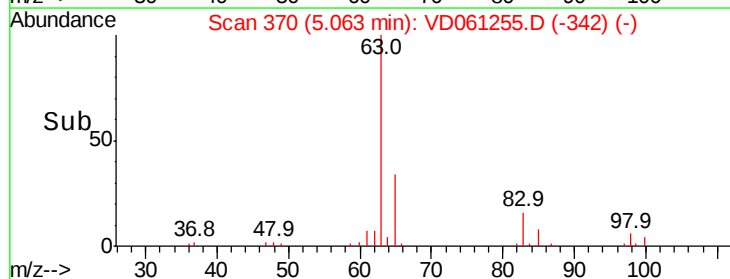
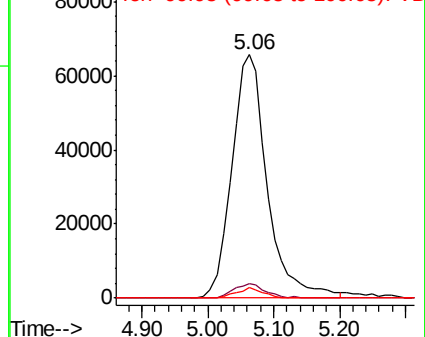
100 4.2 2.0 5.8

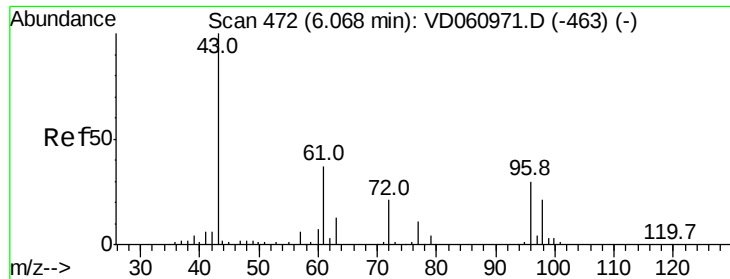


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.222 ug/l

RT: 6.14 min Scan# 479

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

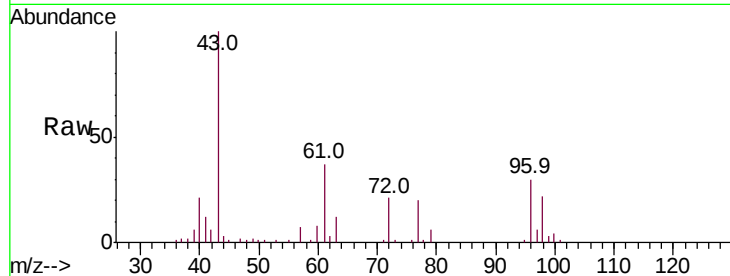
VD0322SBSD01

Tot Ion: 43 Resp: 206918

Ion Ratio Lower Upper

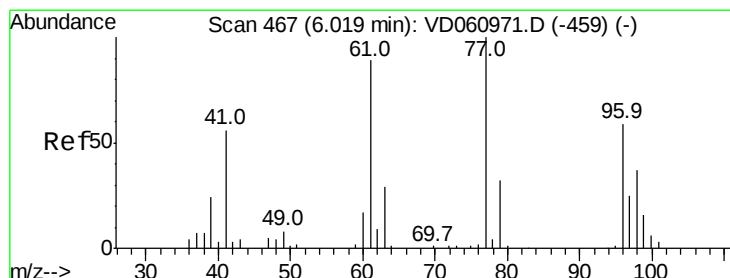
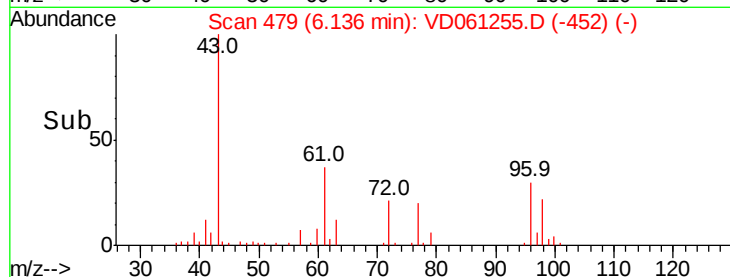
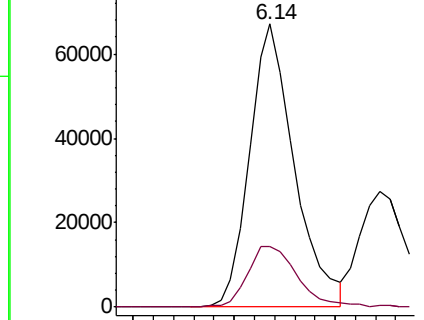
43 100

72 21.3 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.047 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.08 min

Lab File: VD061255.D

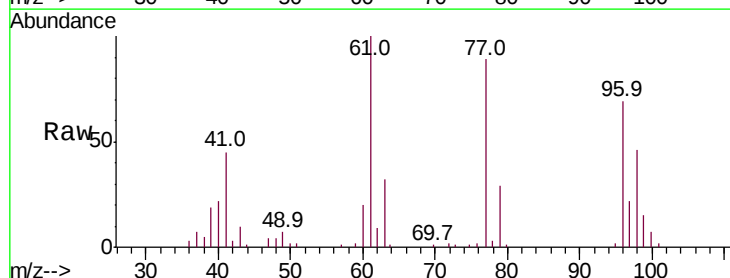
Acq: 22 Mar 2019 12:37

Tgt Ion: 77 Resp: 210869

Ion Ratio Lower Upper

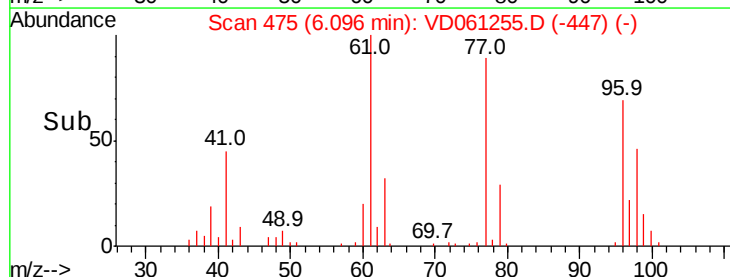
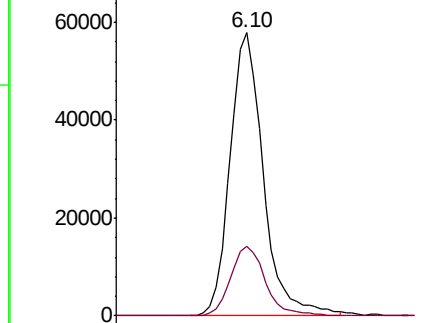
77 100

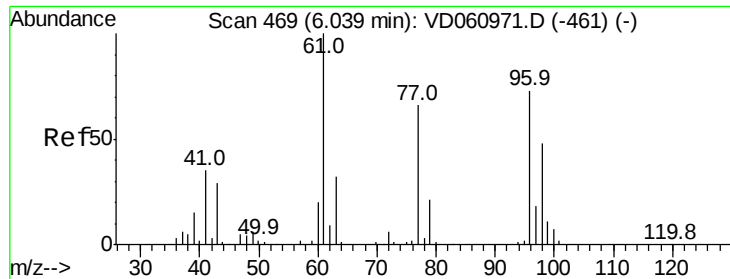
97 24.8 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



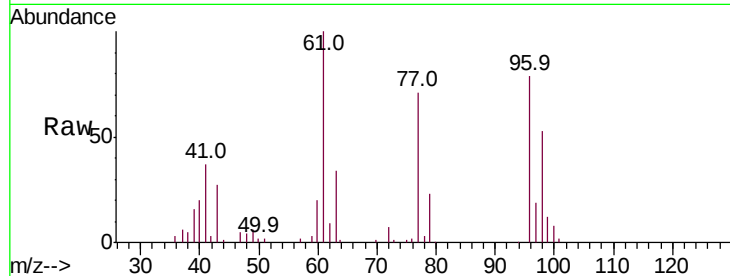


#27

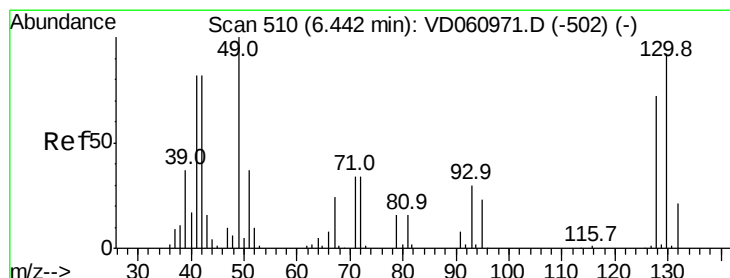
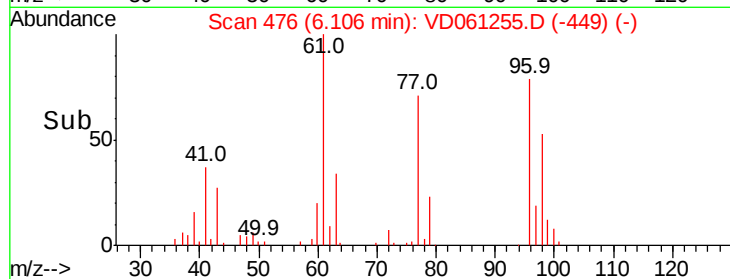
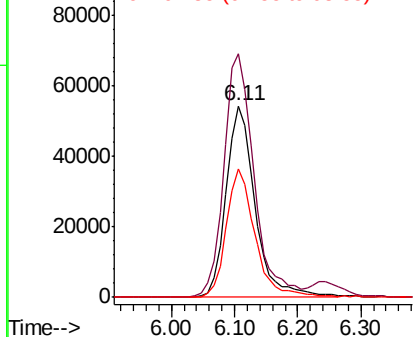
cis-1,2-Dichloroethene  
 Concen: 22.326 ug/l  
 RT: 6.11 min Scan# 476  
 Delta R.T. 0.07 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBSD01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 127.0 | 0.0   | 273.6 |
| 98      | 66.7  | 0.0   | 132.6 |



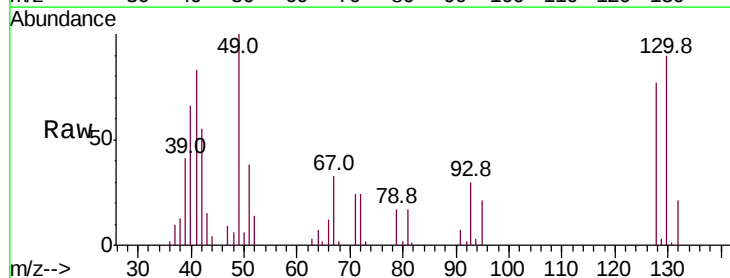
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



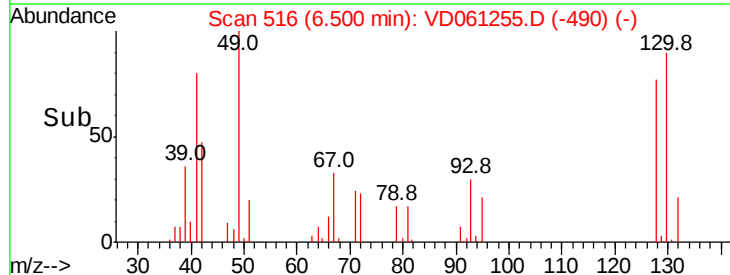
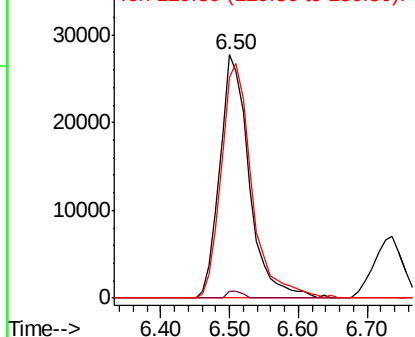
#28

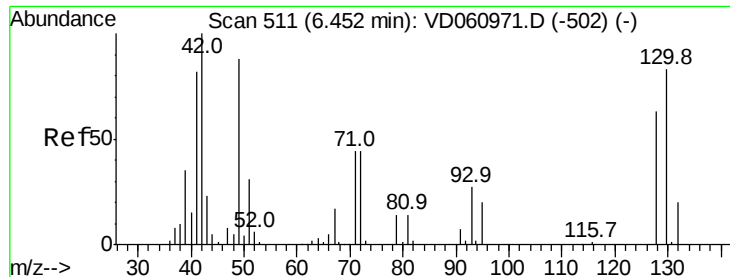
Bromochloromethane  
 Concen: 15.891 ug/l  
 RT: 6.50 min Scan# 516  
 Delta R.T. 0.06 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.6   | 0.0   | 4.0   |
| 130     | 90.4  | 73.8  | 110.8 |



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: 96.036 ug/l

RT: 6.52 min Scan# 518

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

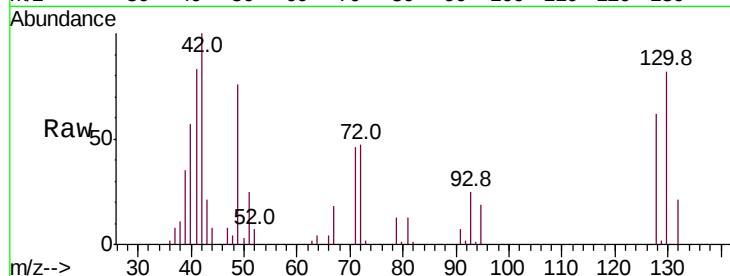
Tot Ion: 42 Resp: 94467

Ion Ratio Lower Upper

42 100

72 46.7 34.5 51.7

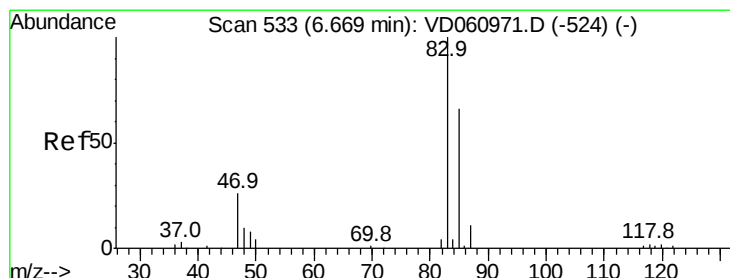
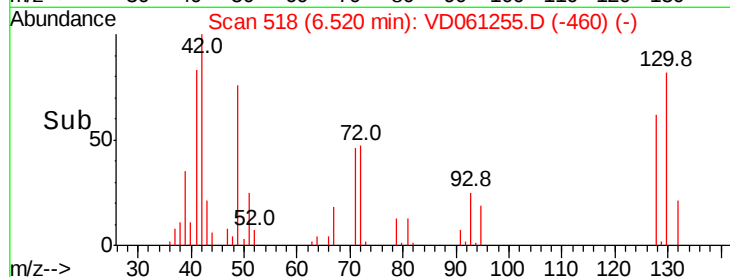
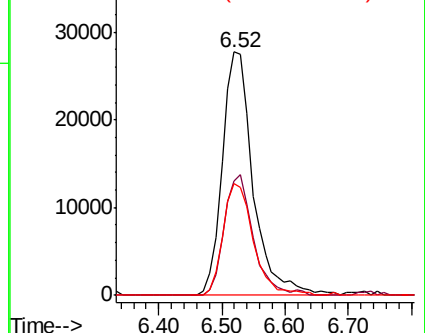
71 45.2 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.494 ug/l

RT: 6.74 min Scan# 540

Delta R.T. 0.07 min

Lab File: VD061255.D

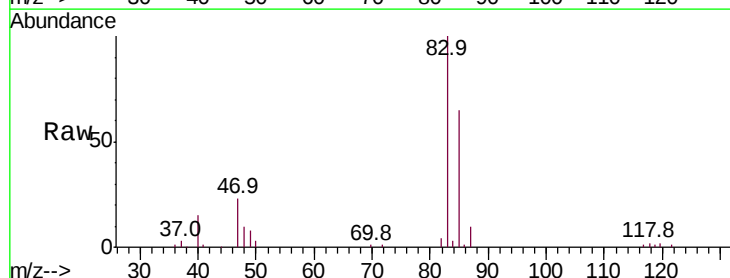
Acq: 22 Mar 2019 12:37

Tgt Ion: 83 Resp: 260228

Ion Ratio Lower Upper

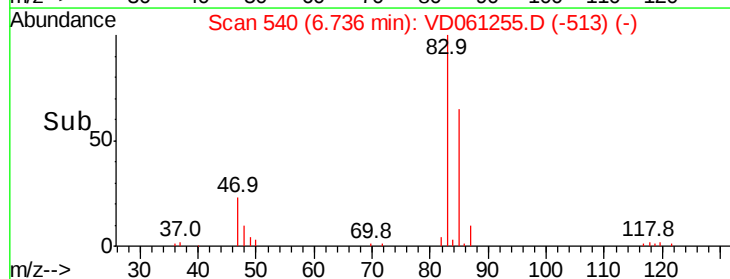
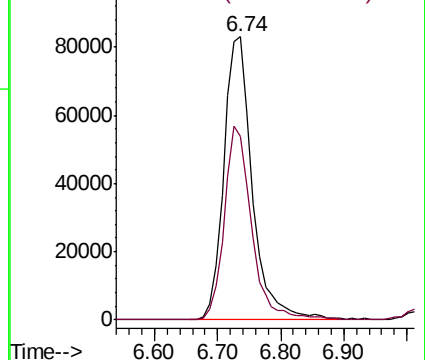
83 100

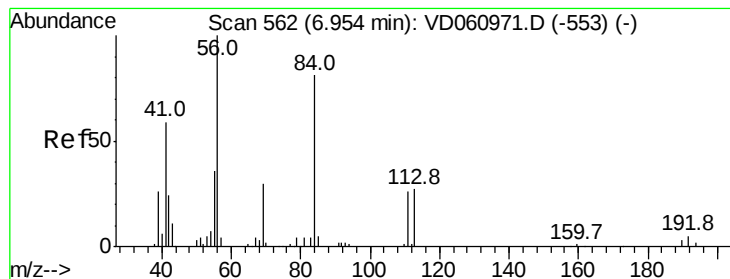
85 65.0 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.462 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

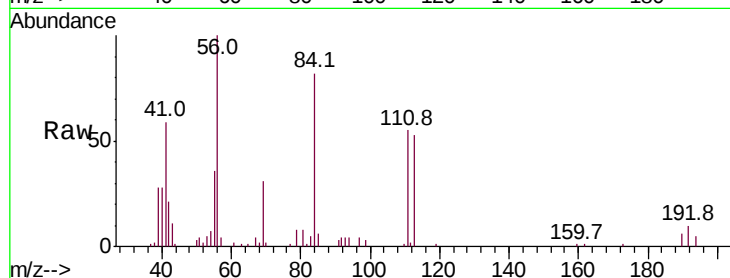
Tot Ion: 56 Resp: 192264

Ion Ratio Lower Upper

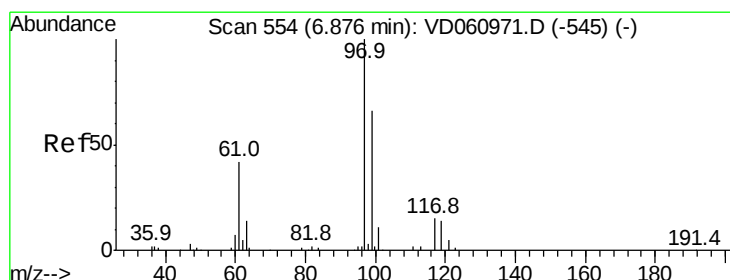
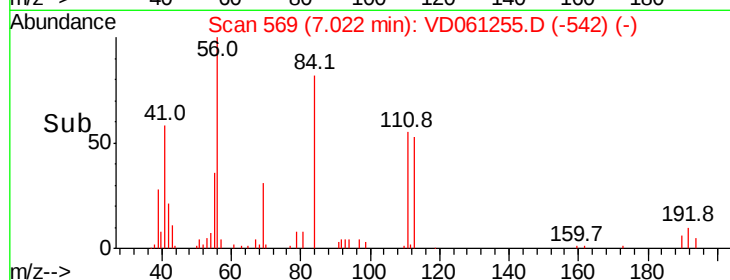
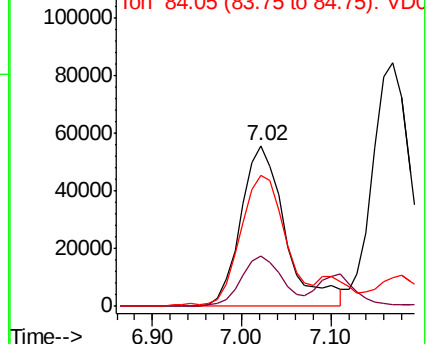
56 100

69 30.9 24.0 36.0

84 81.6 65.8 98.6



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: 20.075 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

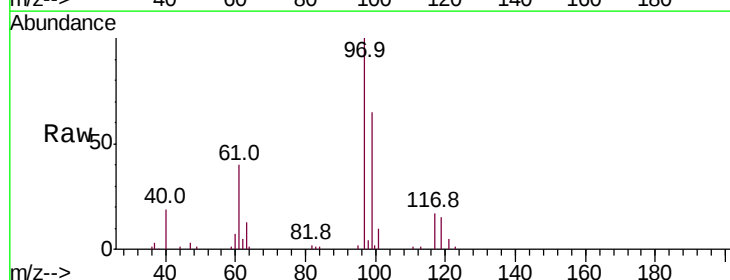
Tgt Ion: 97 Resp: 220386

Ion Ratio Lower Upper

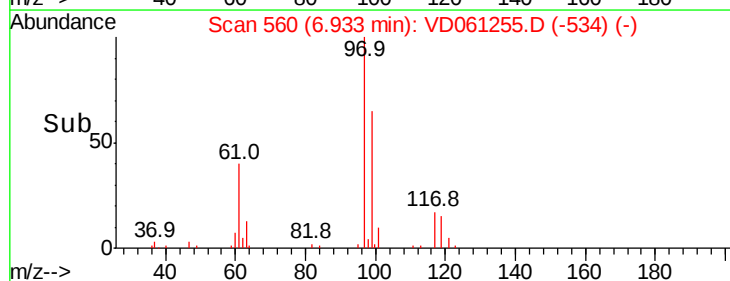
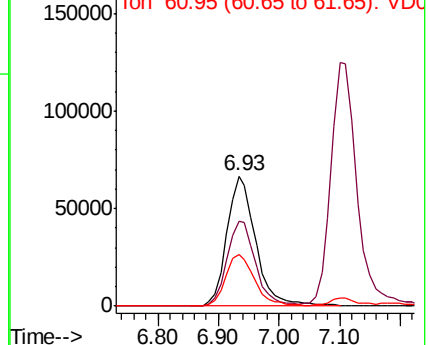
97 100

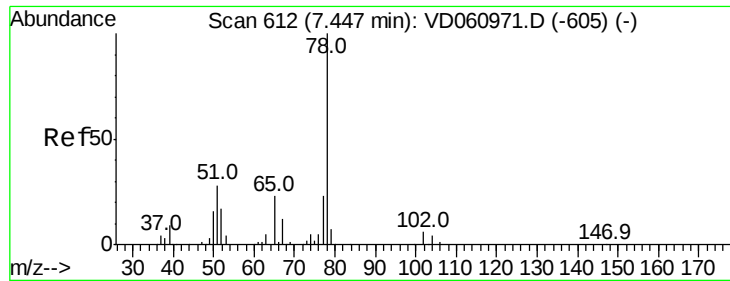
99 64.9 53.2 79.8

61 39.9 33.8 50.8



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: 20.075 ug/l

RT: 7.51 min Scan# 619

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

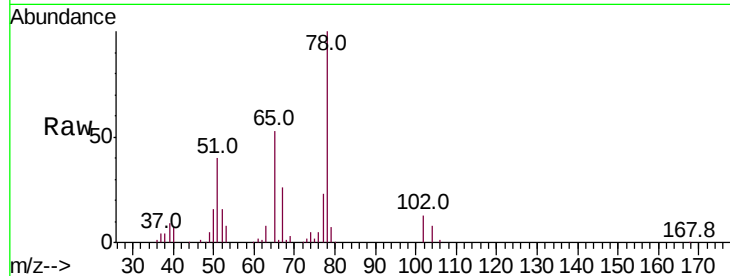
VD0322SBS01

Tot Ion: 65 Resp: 229385

Ion Ratio Lower Upper

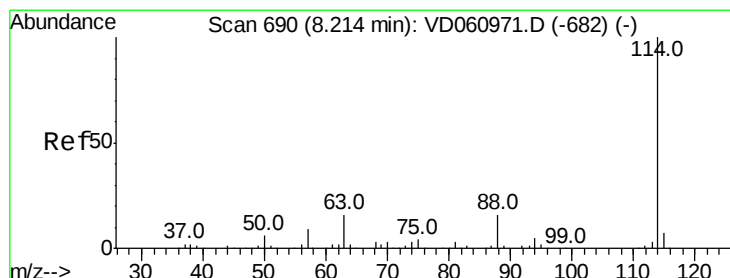
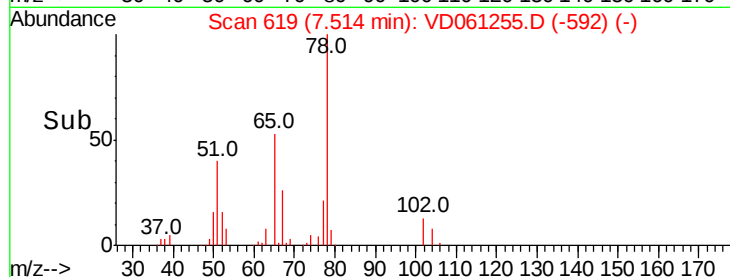
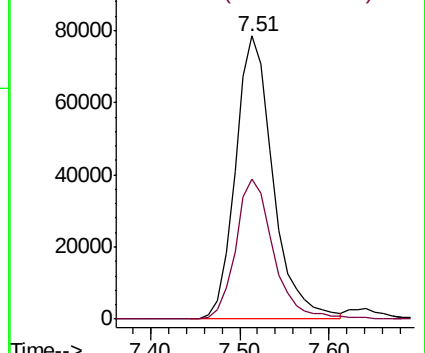
65 100

67 49.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.27 min Scan# 696

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

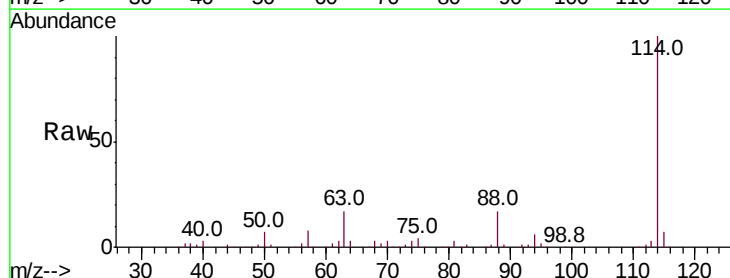
Tgt Ion:114 Resp: 1085642

Ion Ratio Lower Upper

114 100

63 17.0 0.0 31.4

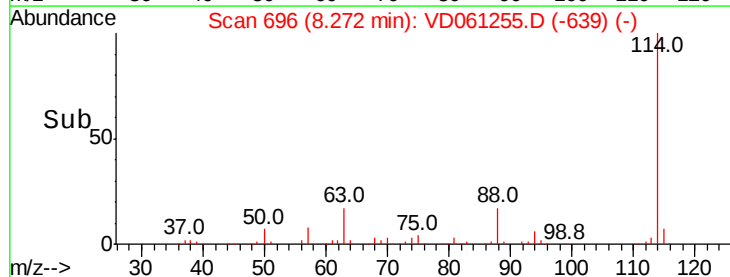
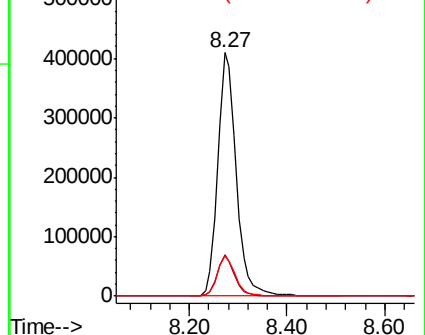
88 16.5 0.0 33.0

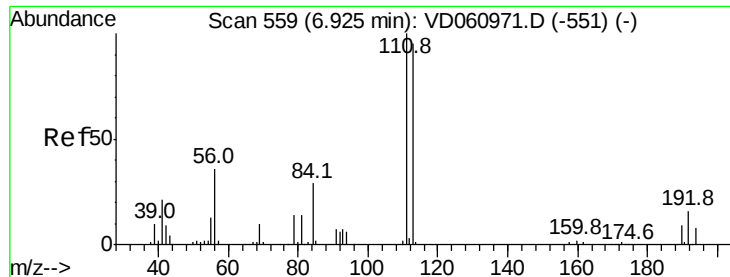


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.99 min Scan# 566

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

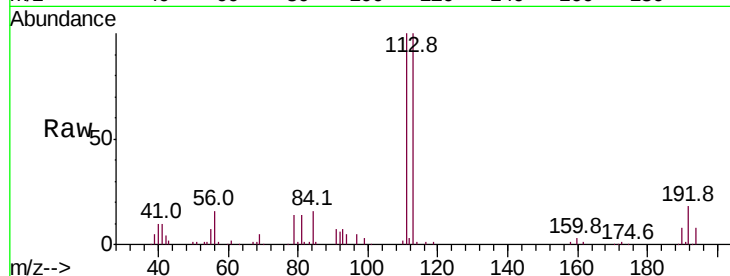
Tot Ion:113 Resp: 360403

Ion Ratio Lower Upper

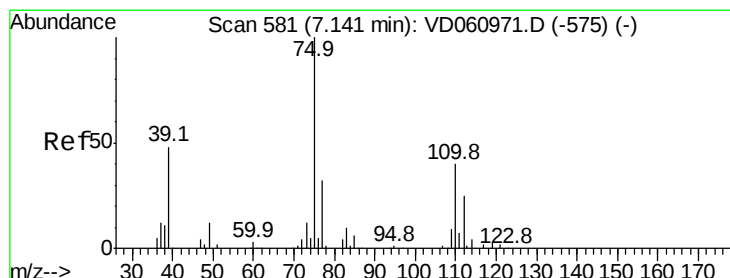
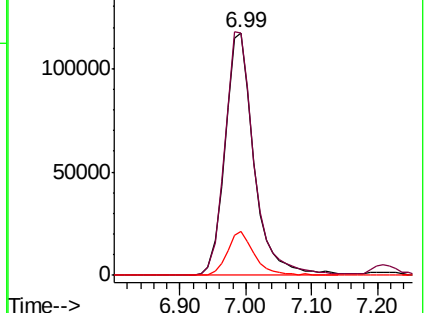
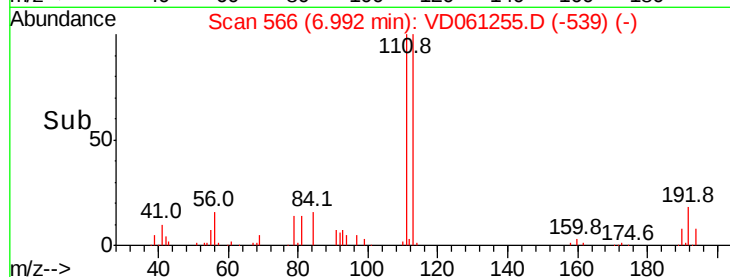
113 100

111 99.8 84.2 126.4

192 18.3 13.1 19.7



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: 20.499 ug/l

RT: 7.21 min Scan# 588

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

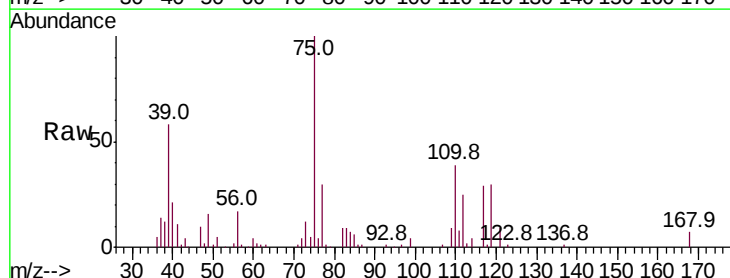
Tgt Ion: 75 Resp: 191830

Ion Ratio Lower Upper

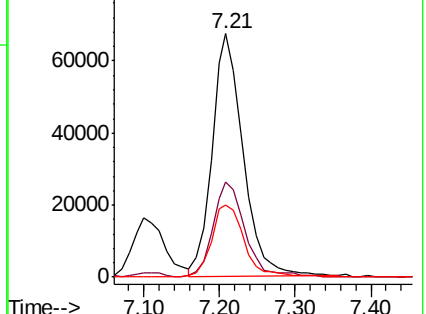
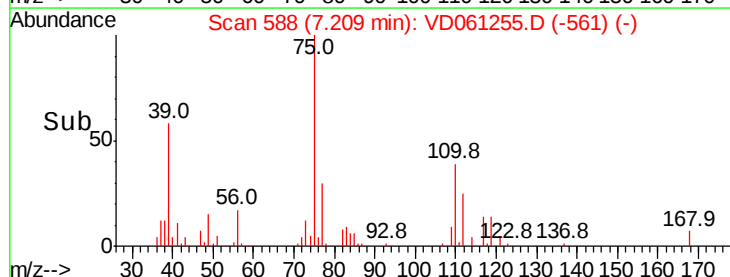
75 100

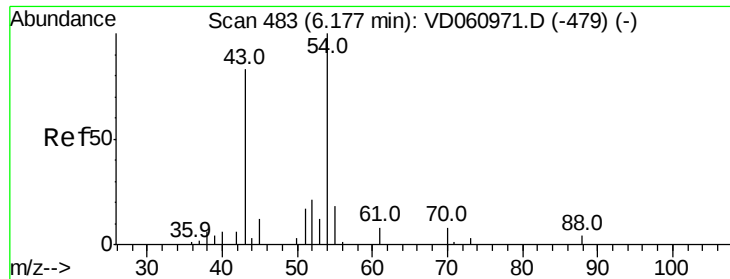
110 39.0 19.7 59.1

77 29.7 24.7 37.1



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

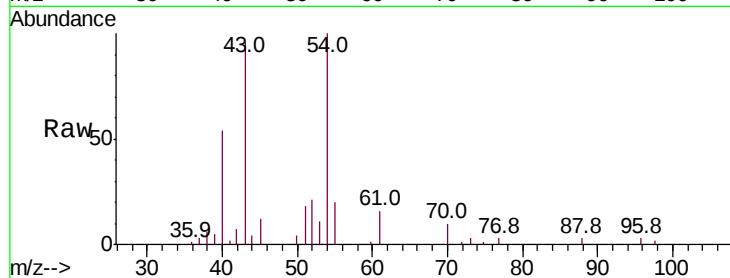




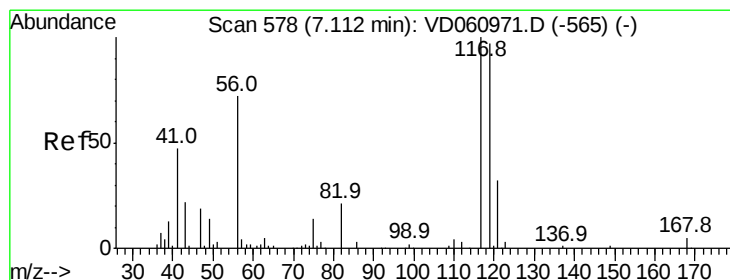
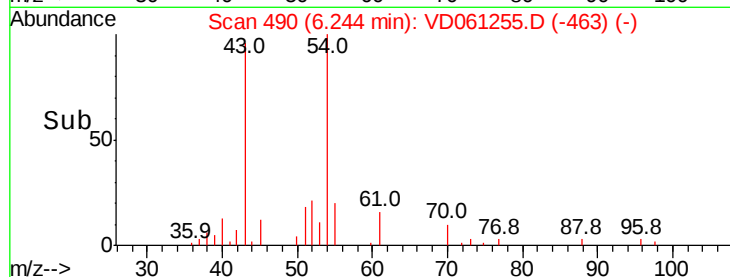
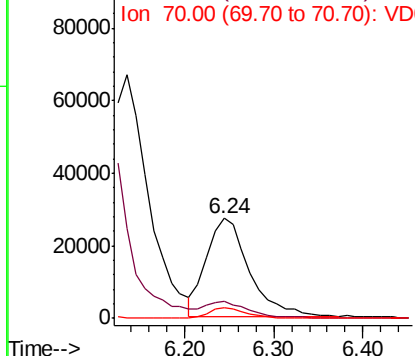
#37  
Ethyl Acetate  
Concen: 20.815 ug/l  
RT: 6.24 min Scan# 490  
Delta R.T. 0.07 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

Tot Ion: 43 Resp: 91409  
Ion Ratio Lower Upper  
43 100  
61 16.7 13.7 20.5  
70 10.3 7.1 10.7

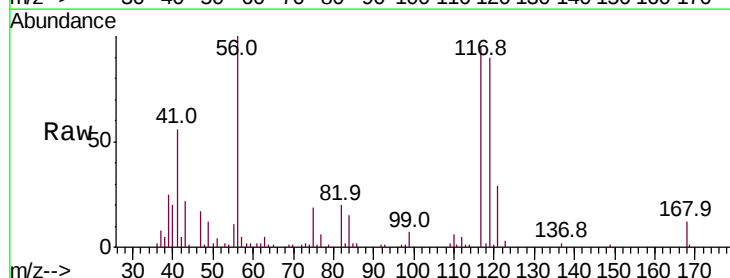


Abundance Ion 42.95 (42.65 to 43.65): VD0  
Ion 60.95 (60.65 to 61.65): VD0  
Ion 70.00 (69.70 to 70.70): VD0

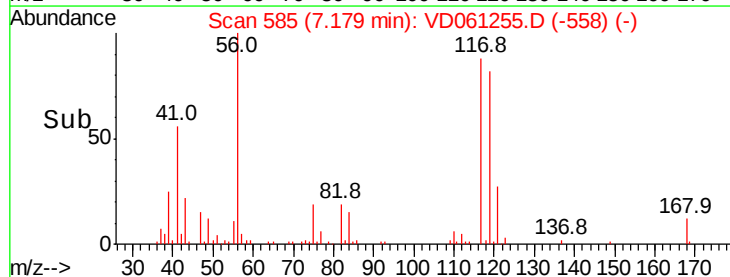
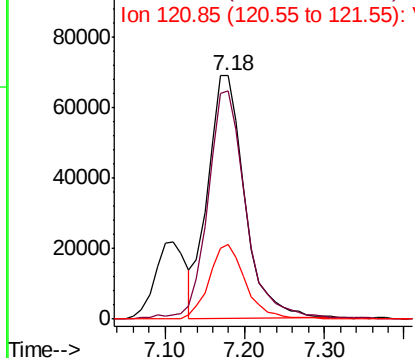


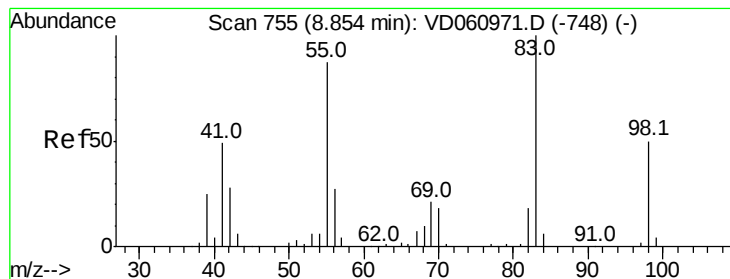
#38  
Carbon Tetrachloride  
Concen: 21.596 ug/l  
RT: 7.18 min Scan# 585  
Delta R.T. 0.07 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 222616  
Ion Ratio Lower Upper  
117 100  
119 93.9 77.8 116.8  
121 30.5 25.3 37.9



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

Methvlcvclohexane

Concen: 19.327 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

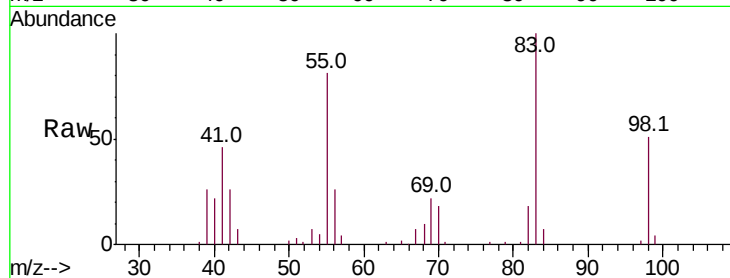
Tot Ion: 83 Resp: 187544

Ion Ratio Lower Upper

83 100

55 81.4 69.6 104.4

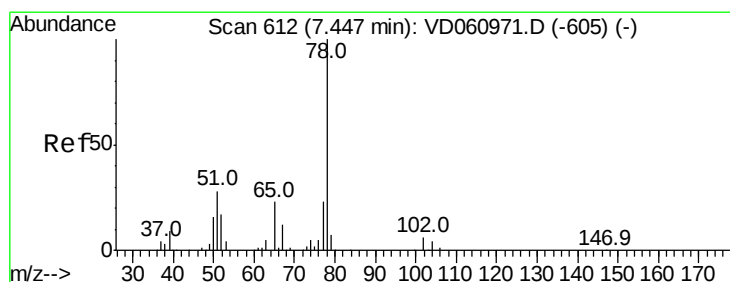
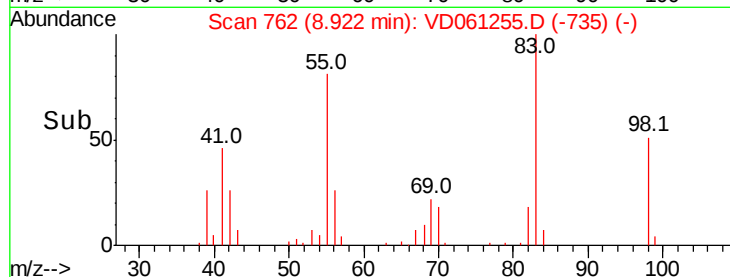
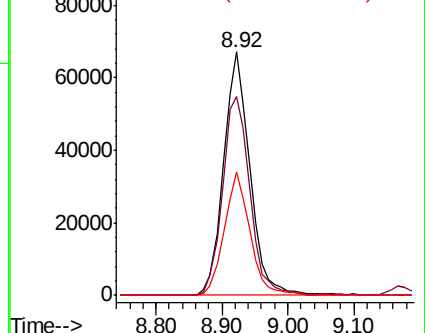
98 50.7 40.0 60.0



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: 19.477 ug/l

RT: 7.52 min Scan# 620

Delta R.T. 0.08 min

Lab File: VD061255.D

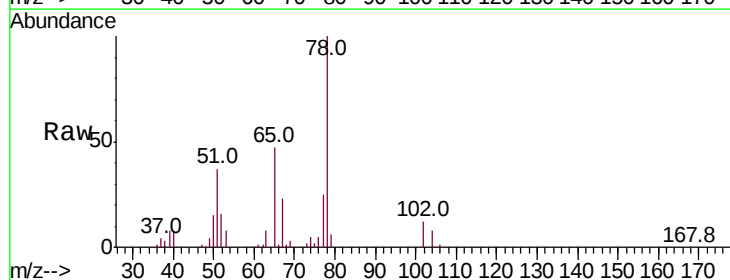
Acq: 22 Mar 2019 12:37

Tgt Ion: 78 Resp: 455435

Ion Ratio Lower Upper

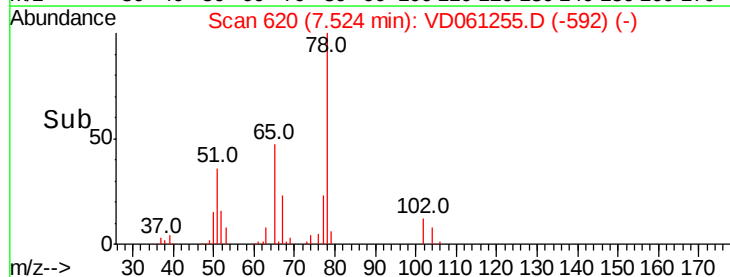
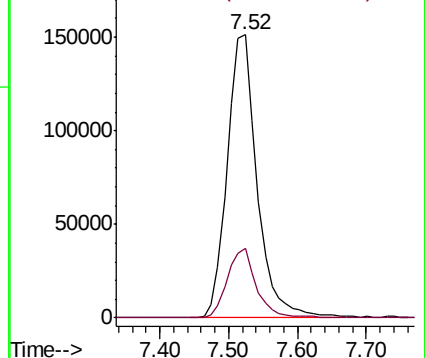
78 100

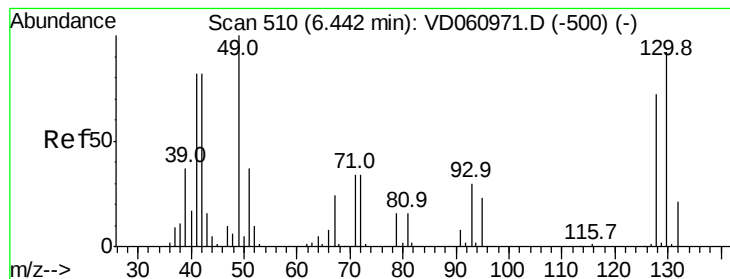
77 24.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.925 ug/l

RT: 6.51 min Scan# 517

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

Tot Ion: 41 Resp: 100642

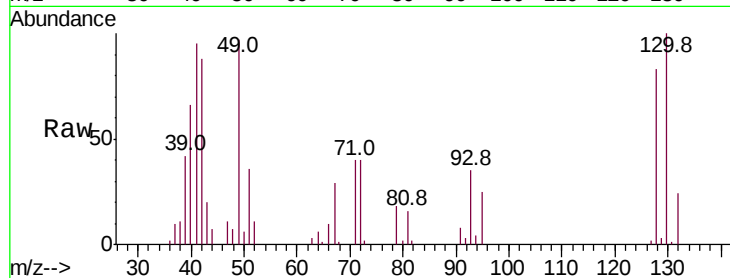
Ion Ratio Lower Upper

41 100

39 43.9 35.7 53.5

67 30.7 23.0 34.6

52 11.9 9.2 13.8

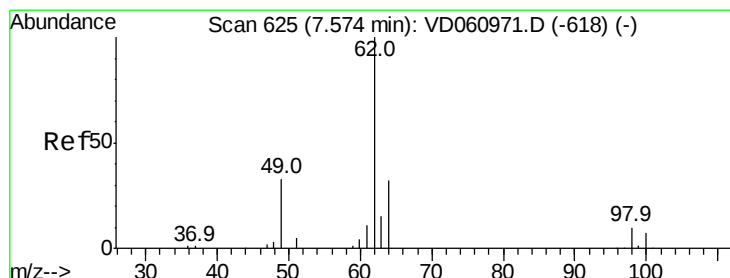
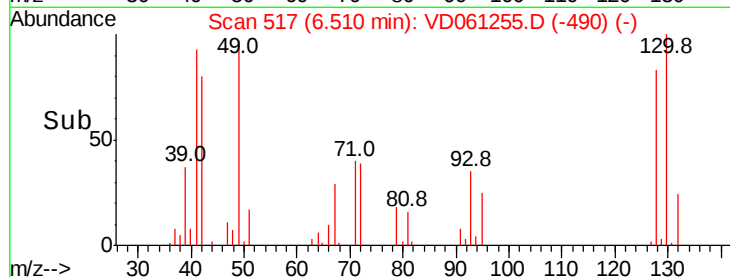
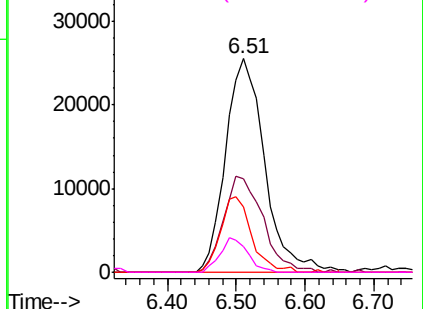


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.238 ug/l

RT: 7.64 min Scan# 632

Delta R.T. 0.07 min

Lab File: VD061255.D

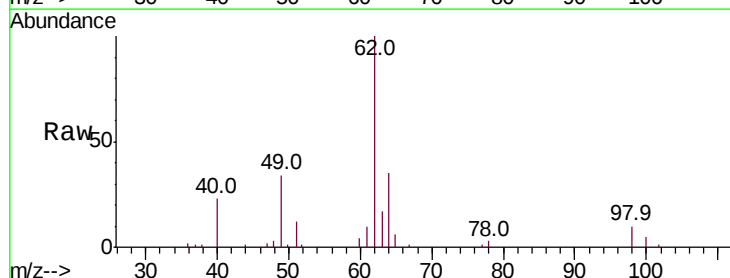
Acq: 22 Mar 2019 12:37

Tgt Ion: 62 Resp: 144117

Ion Ratio Lower Upper

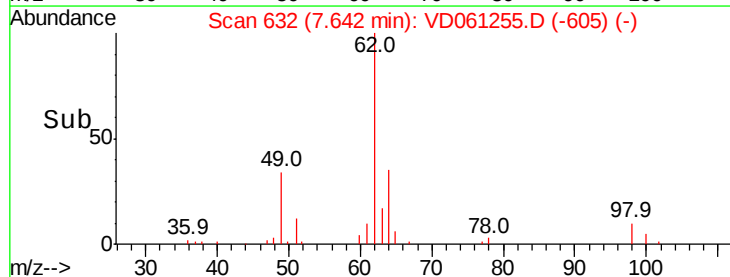
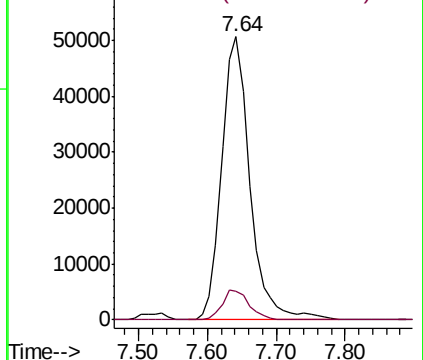
62 100

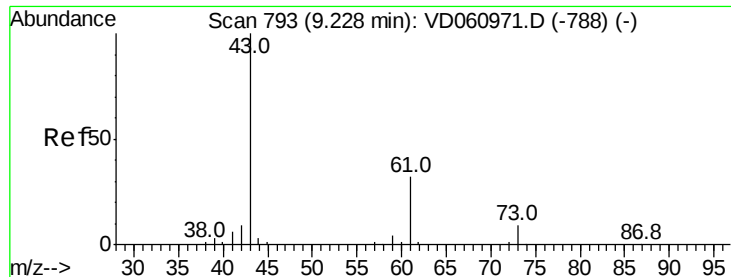
98 10.1 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.894 ug/l

RT: 9.29 min Scan# 799

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

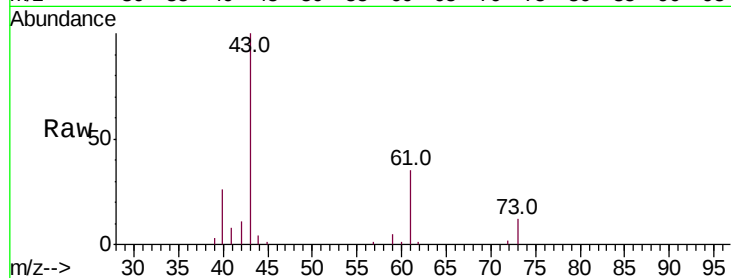
Tot Ion: 43 Resp: 127083

Ion Ratio Lower Upper

43 100

61 35.0 25.6 38.4

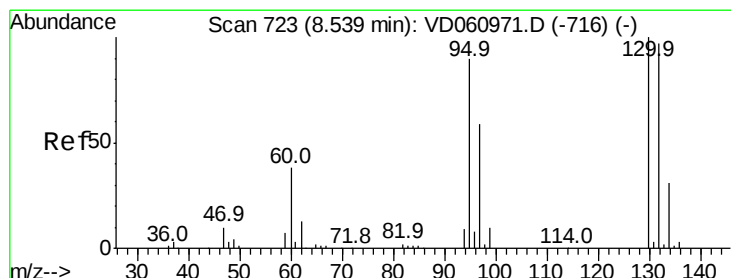
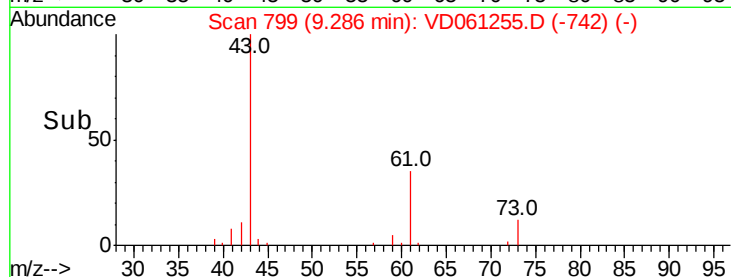
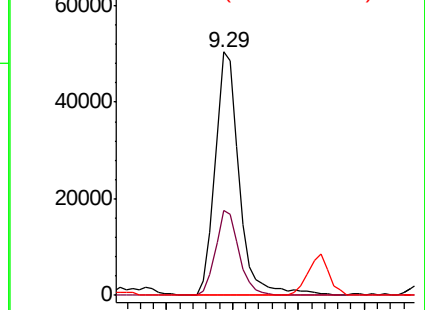
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.906 ug/l

RT: 8.60 min Scan# 729

Delta R.T. 0.06 min

Lab File: VD061255.D

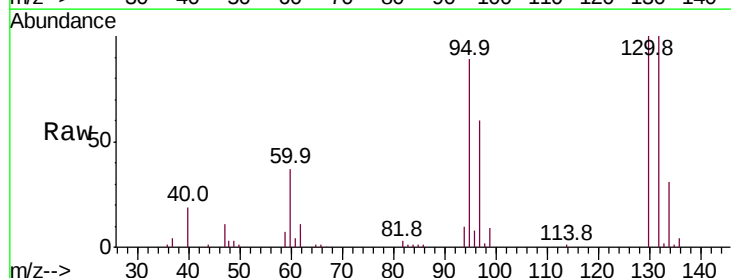
Acq: 22 Mar 2019 12:37

Tgt Ion:130 Resp: 176719

Ion Ratio Lower Upper

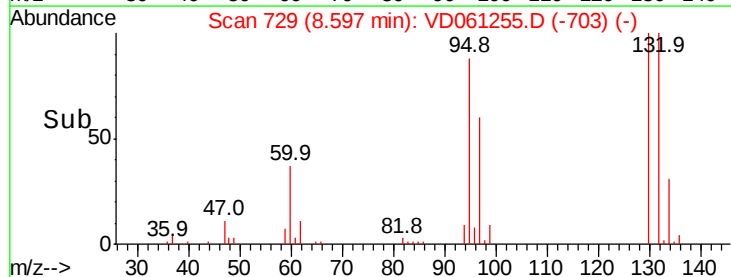
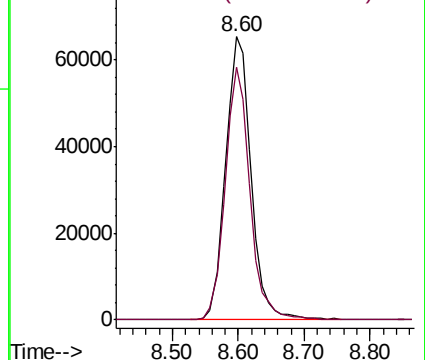
130 100

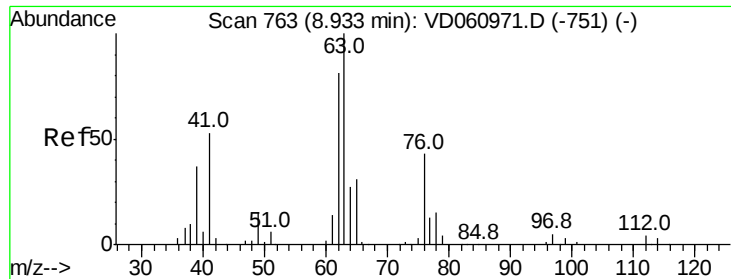
95 89.2 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 18.581 ug/l

RT: 8.99 min Scan# 769

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

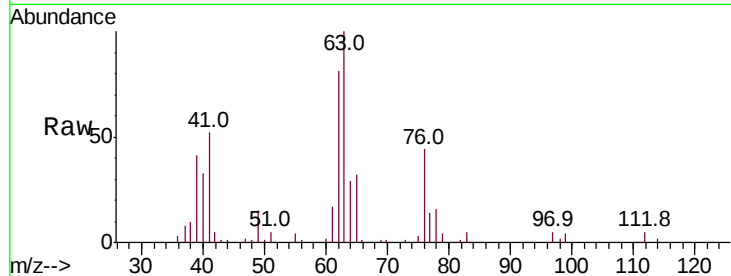
VD0322SBS01

Tot Ion: 63 Resp: 114151

Ion Ratio Lower Upper

63 100

65 31.9 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.99

50000

40000

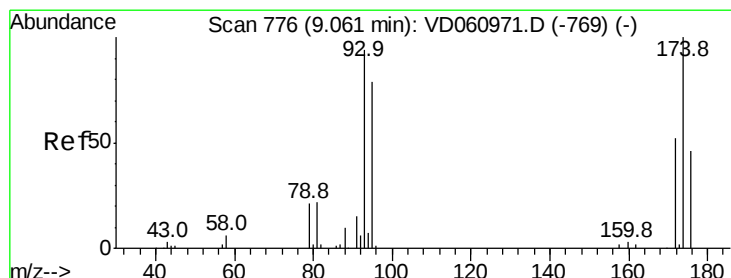
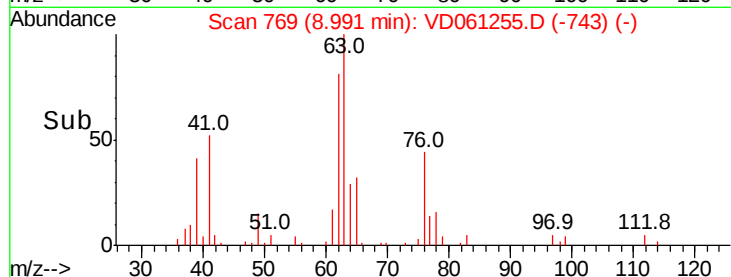
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.542 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

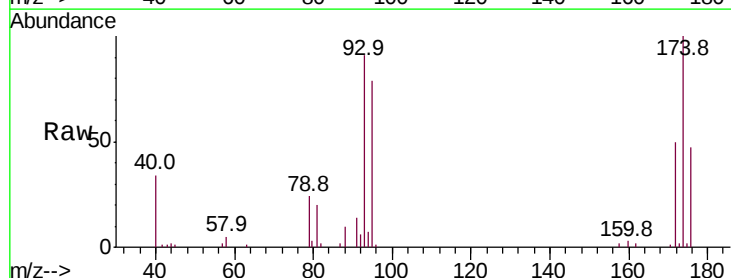
Tgt Ion: 93 Resp: 80049

Ion Ratio Lower Upper

93 100

95 86.5 67.4 101.0

174 110.0 85.4 128.0



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

50000

40000

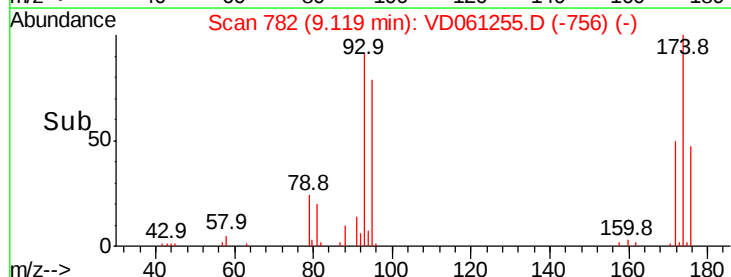
30000

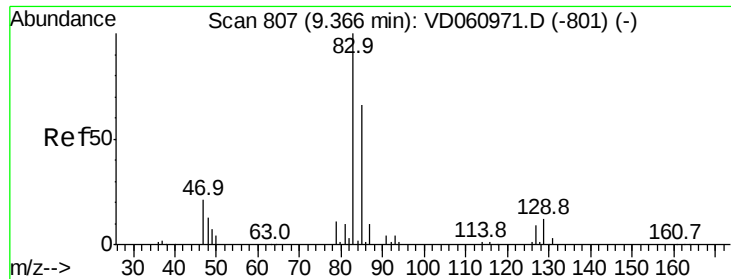
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.019 ug/l

RT: 9.43 min Scan# 814

Delta R.T. 0.07 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

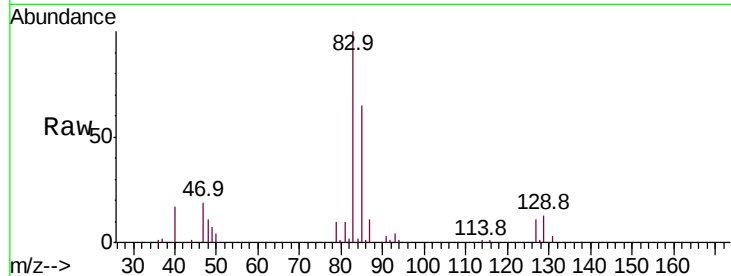
Tot Ion: 83 Resp: 184836

Ion Ratio Lower Upper

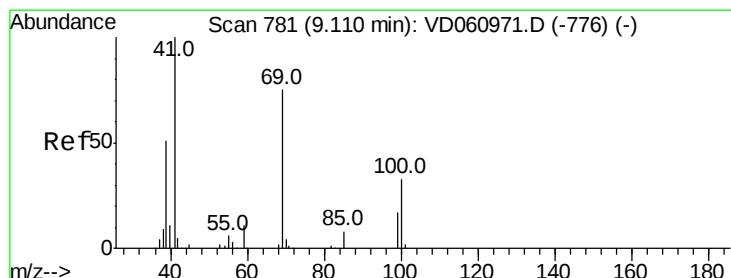
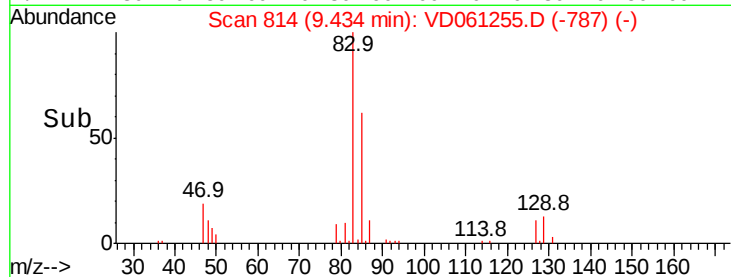
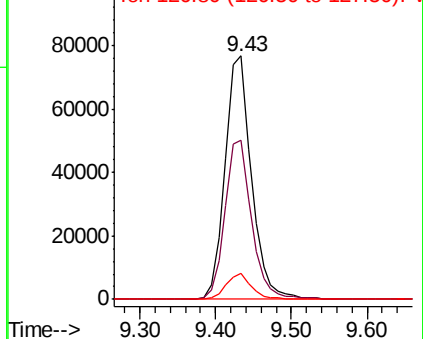
83 100

85 65.3 52.5 78.7

127 10.6 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.658 ug/l

RT: 9.17 min Scan# 787

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

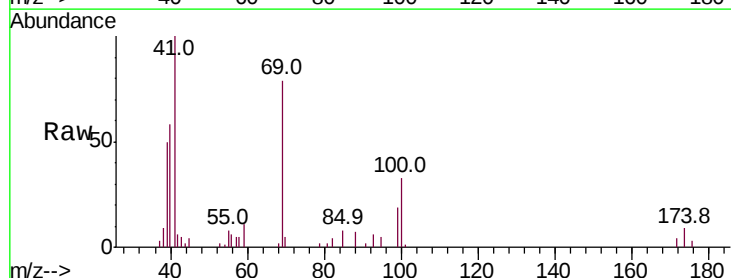
Tgt Ion: 41 Resp: 70744

Ion Ratio Lower Upper

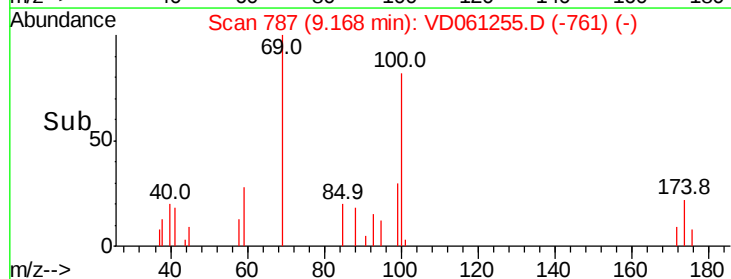
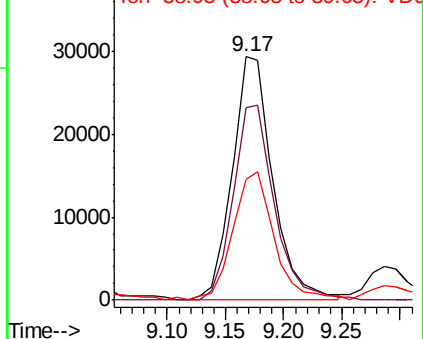
41 100

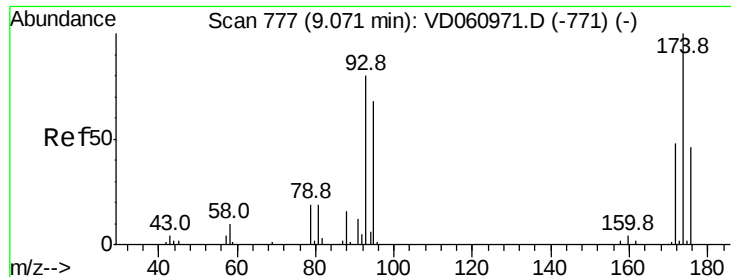
69 79.2 59.9 89.9

39 49.7 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 465.371 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

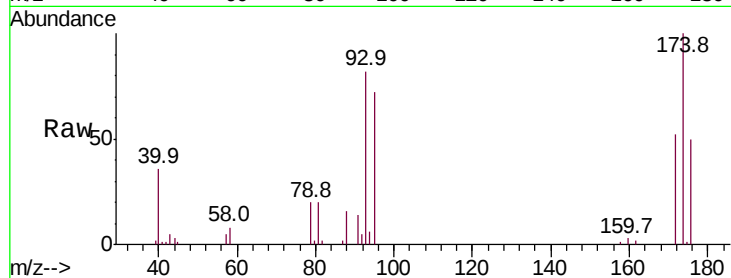
Tot Ion: 88 Resp: 16115

Ion Ratio Lower Upper

88 100

43 31.5 21.0 31.6

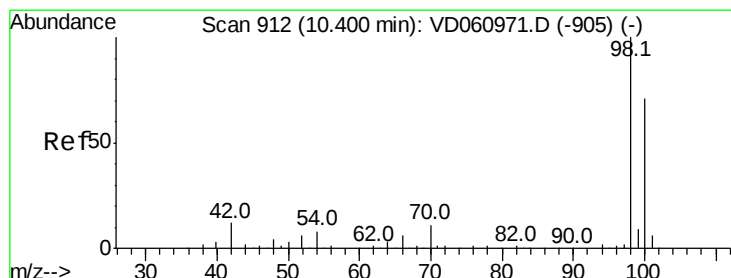
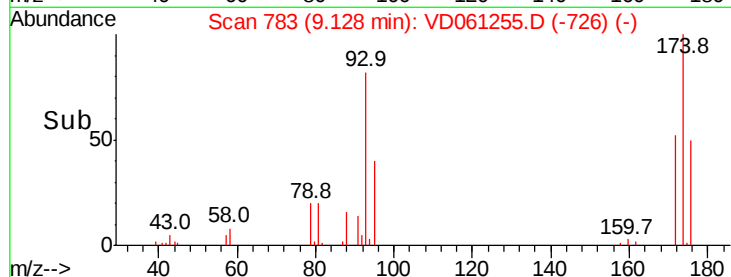
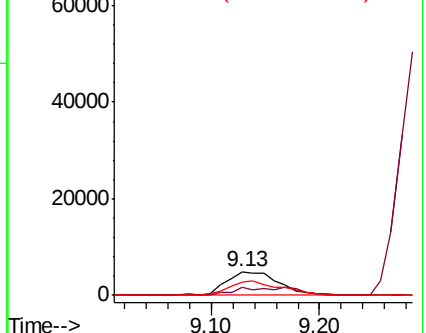
58 53.7 48.6 72.8



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: 465.371 ug/l

RT: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061255.D

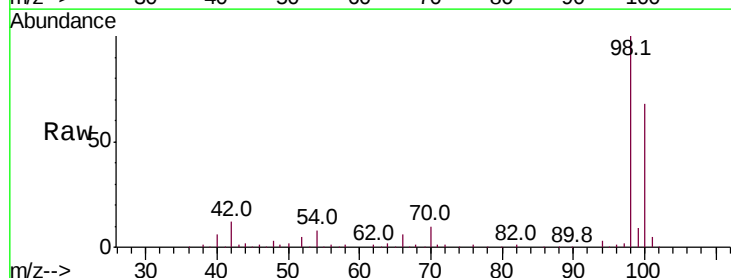
Acq: 22 Mar 2019 12:37

Tgt Ion: 98 Resp: 832017

Ion Ratio Lower Upper

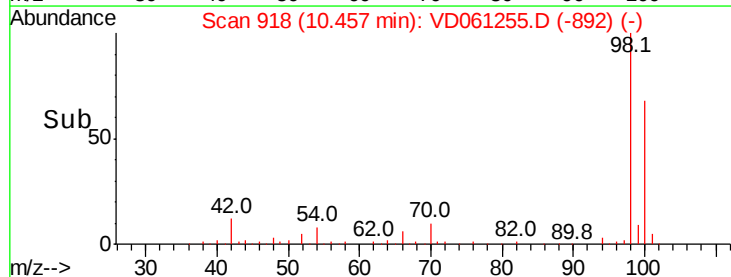
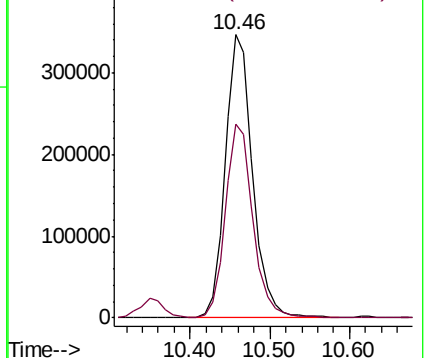
98 100

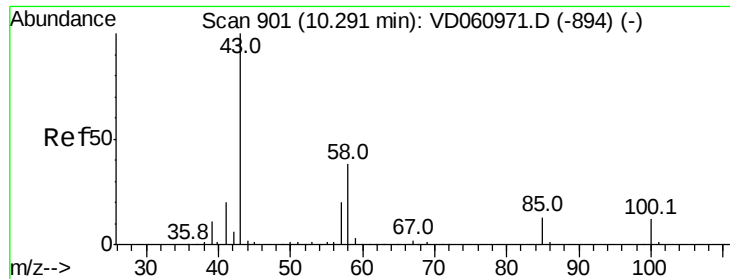
100 68.5 57.4 86.2



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: 105.018 ug/l

RT: 10.35 min Scan# 907

Delta R.T. 0.06 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

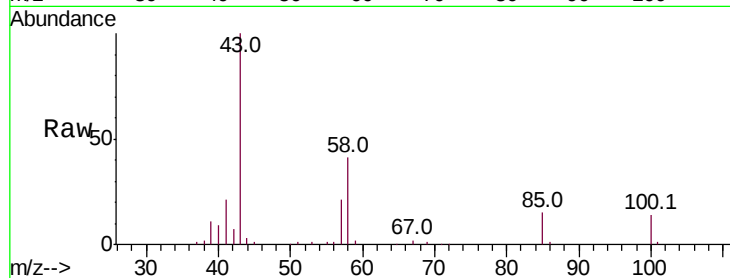
VD0322SBS01

Tot Ion: 43 Resp: 391313

Ion Ratio Lower Upper

43 100

58 41.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

200000

150000

100000

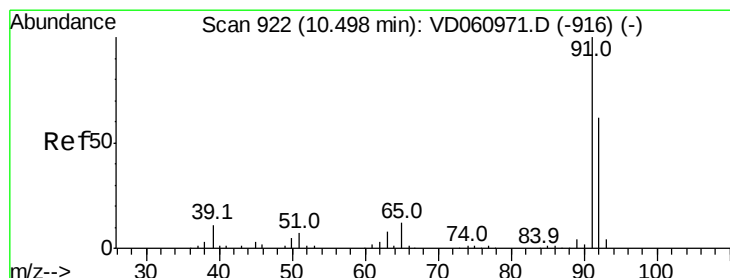
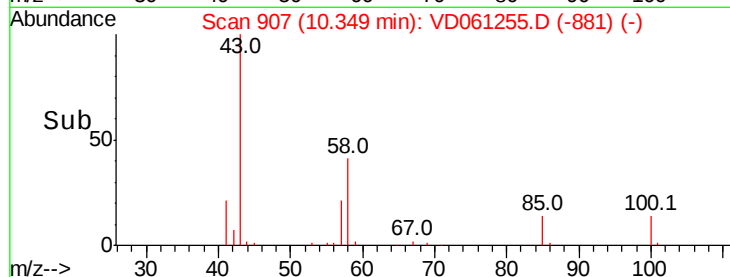
50000

0

10.30

10.40

Time-->



#52

Toluene

Concen: 22.002 ug/l

RT: 10.56 min Scan# 928

Delta R.T. 0.06 min

Lab File: VD061255.D

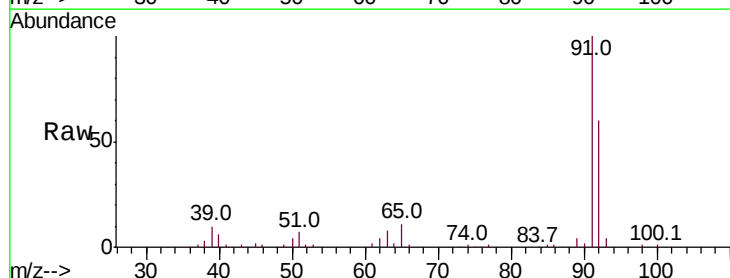
Acq: 22 Mar 2019 12:37

Tgt Ion: 92 Resp: 319922

Ion Ratio Lower Upper

92 100

91 165.7 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

100000

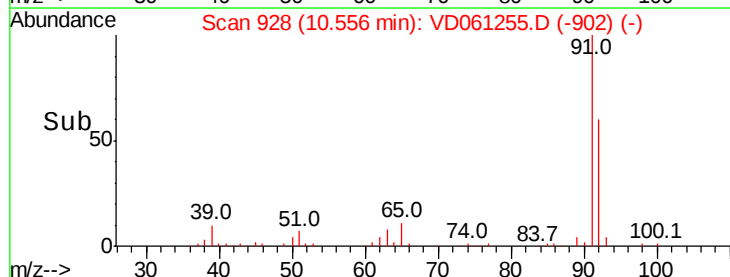
50000

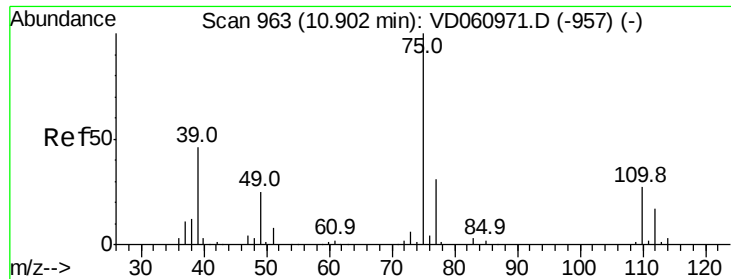
0

10.50

10.60

Time-->

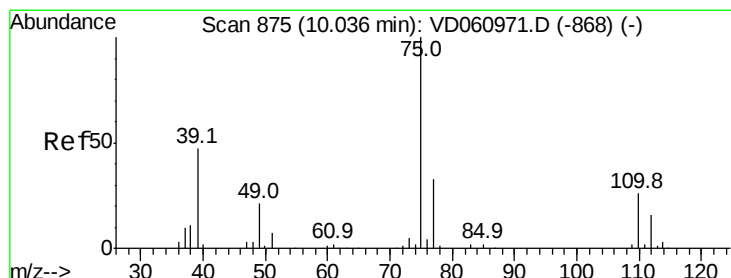
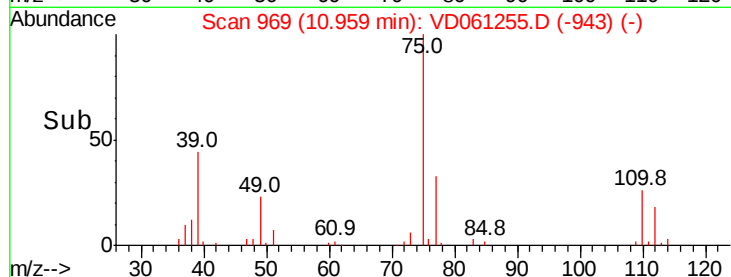
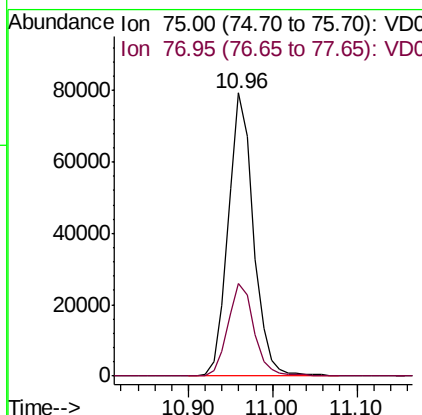
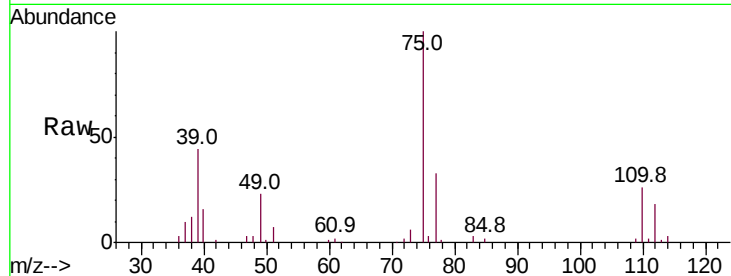




#53  
 t-1,3-Dichloropropene  
 Concen: 20.519 ug/l  
 RT: 10.96 min Scan# 969  
 Delta R.T. 0.06 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

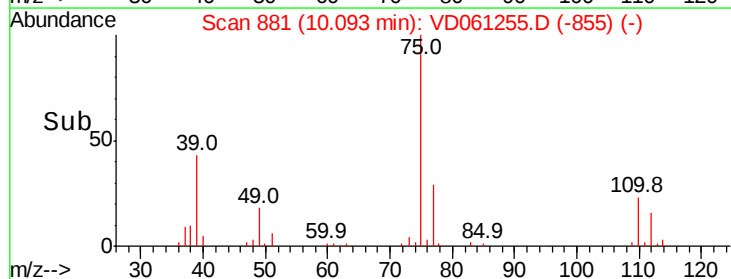
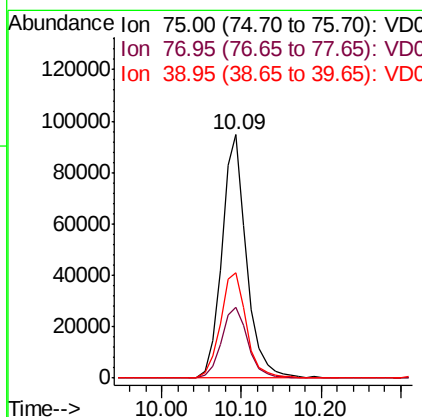
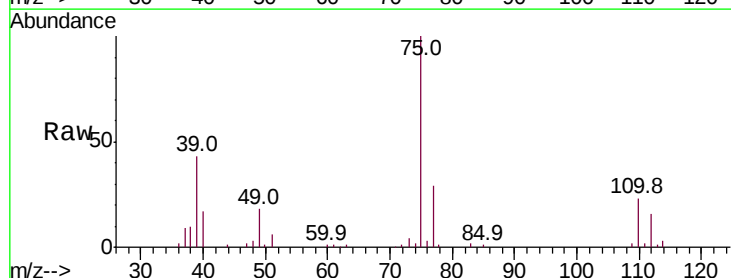
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBS01

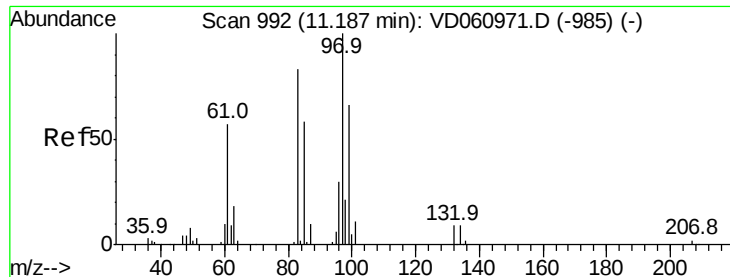
Tot Ion: 75 Resp: 164994  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 24.7 37.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.196 ug/l  
 RT: 10.09 min Scan# 881  
 Delta R.T. 0.06 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 204780  
 Ion Ratio Lower Upper  
 75 100  
 77 29.3 26.2 39.4  
 39 43.4 37.8 56.8

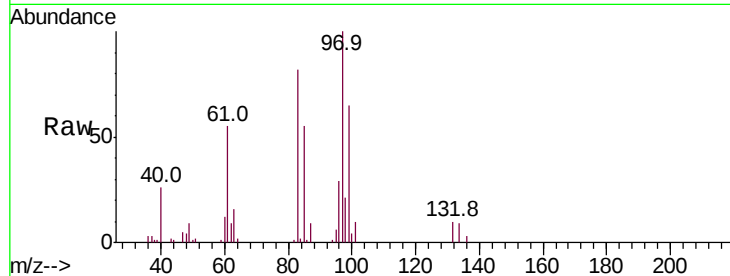




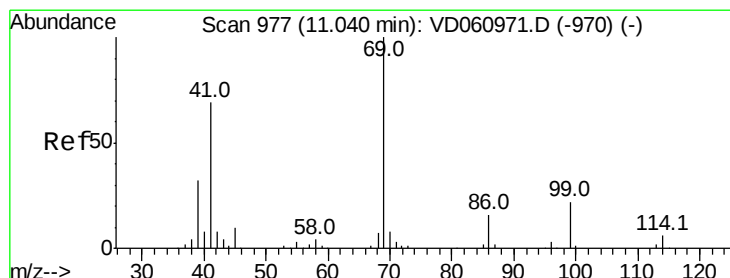
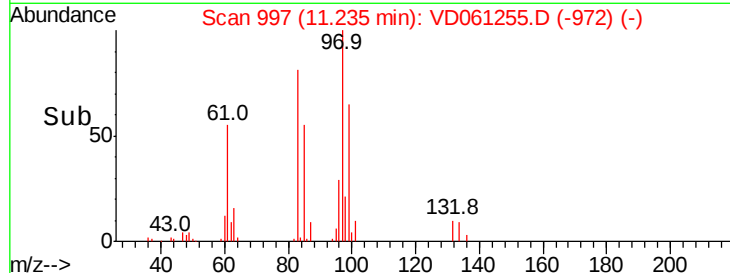
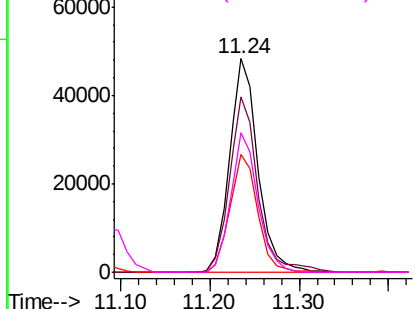
#55  
 1,1,2-Trichloroethane  
 Concen: 22.212 ug/l  
 RT: 11.24 min Scan# 997  
 Delta R.T. 0.05 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBS01

Tot Ion: 97 Resp: 107559  
 Ion Ratio Lower Upper  
 97 100  
 83 82.0 66.6 100.0  
 85 55.0 46.4 69.6  
 99 65.2 52.4 78.6

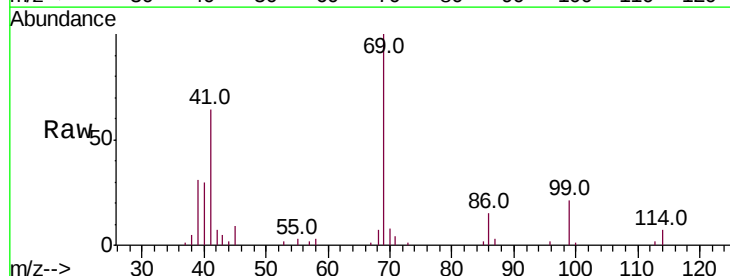


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

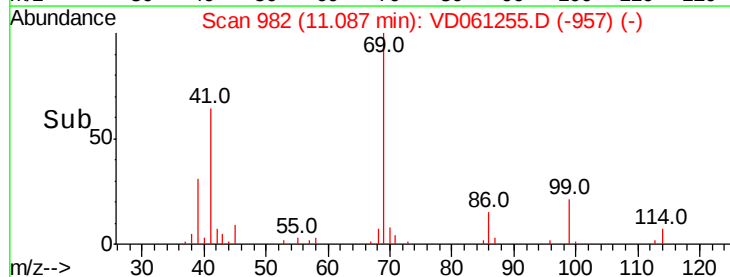
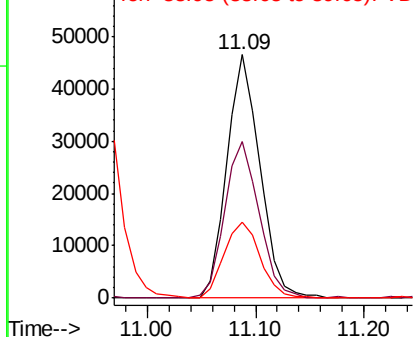


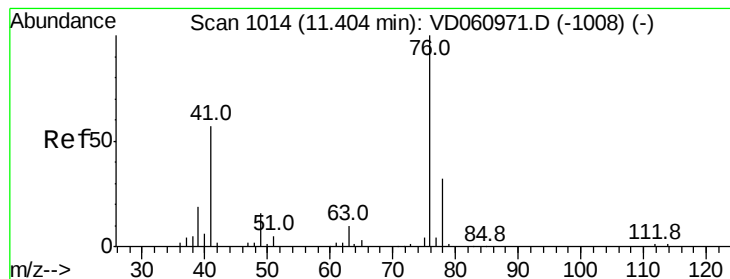
#56  
 Ethyl methacrylate  
 Concen: 19.495 ug/l  
 RT: 11.09 min Scan# 982  
 Delta R.T. 0.05 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion: 69 Resp: 98812  
 Ion Ratio Lower Upper  
 69 100  
 41 64.2 55.5 83.3  
 39 31.5 26.2 39.2



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: 21.315 ug/l

RT: 11.45 min Scan# 1019

Delta R.T. 0.05 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

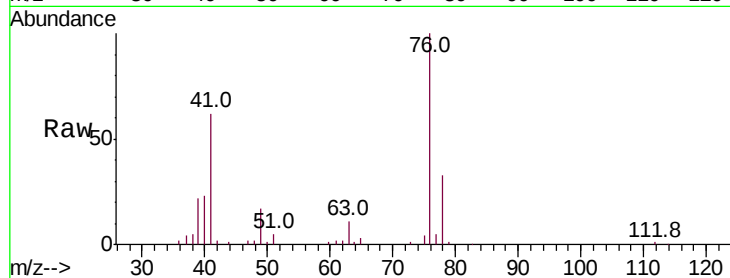
VD0322SBS01

Tot Ion: 76 Resp: 154242

Ion Ratio Lower Upper

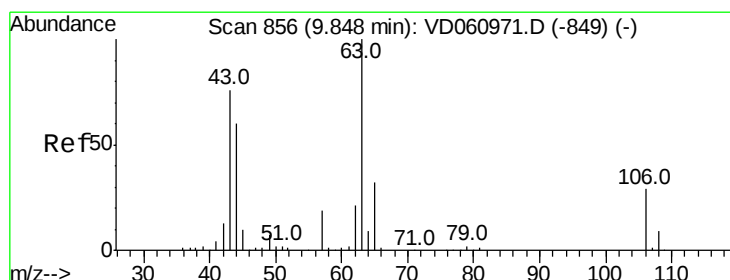
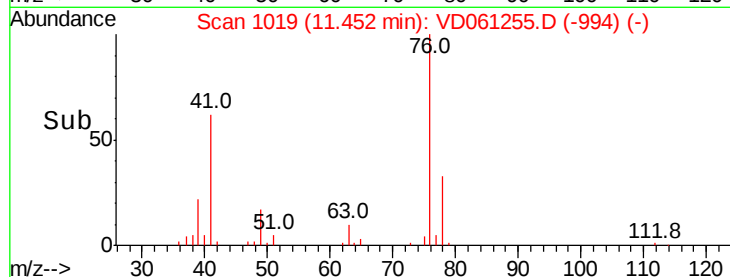
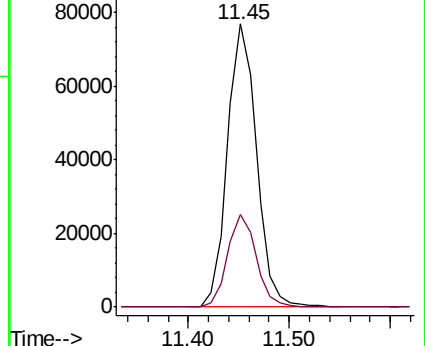
76 100

78 32.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 101.915 ug/l

RT: 9.91 min Scan# 862

Delta R.T. 0.06 min

Lab File: VD061255.D

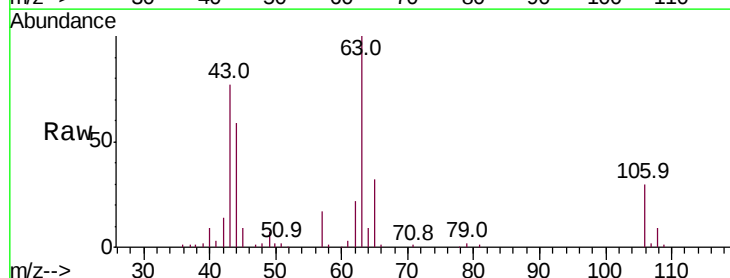
Acq: 22 Mar 2019 12:37

Tgt Ion: 63 Resp: 273429

Ion Ratio Lower Upper

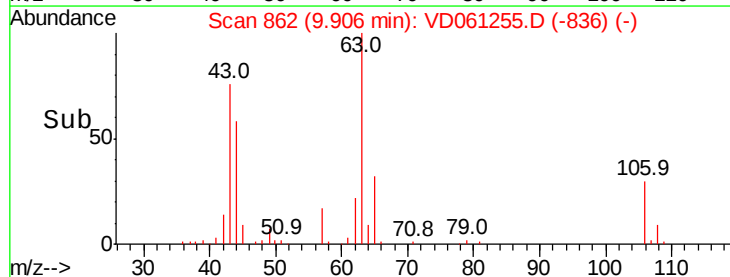
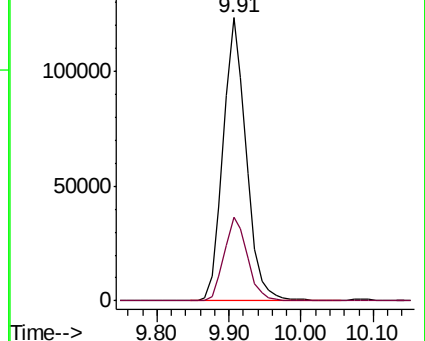
63 100

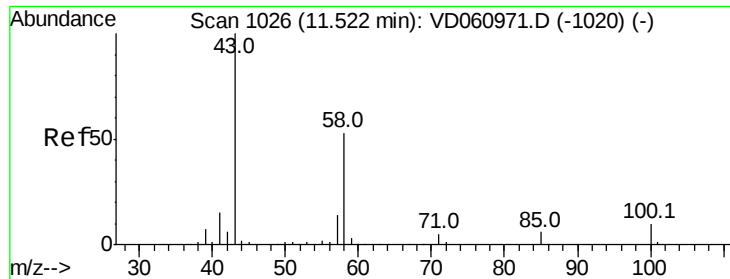
106 29.7 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

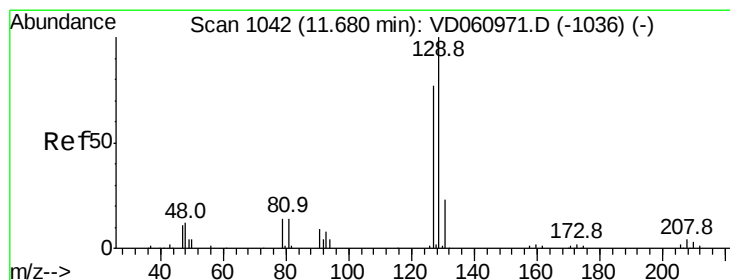
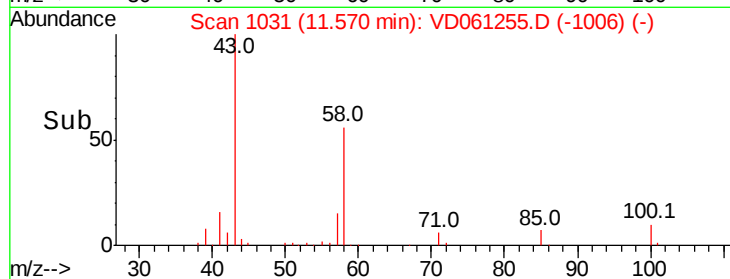
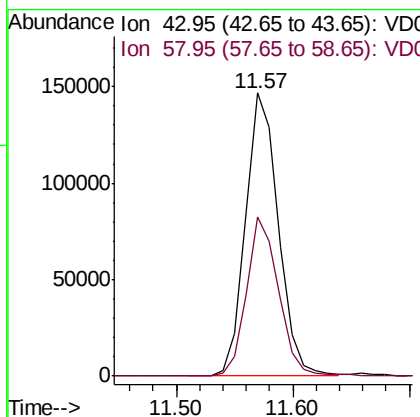
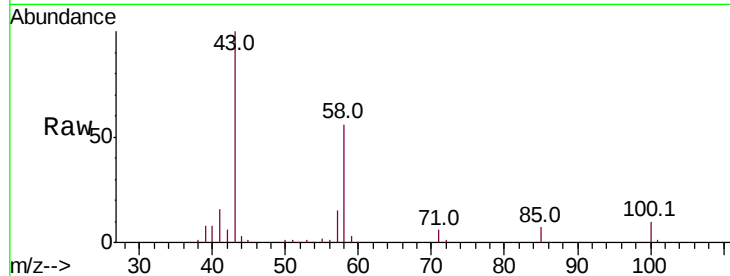




#59  
2-Hexanone  
Concen: 105.265 ug/l  
RT: 11.57 min Scan# 1031  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

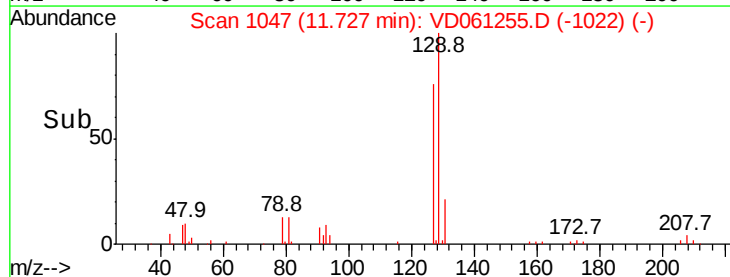
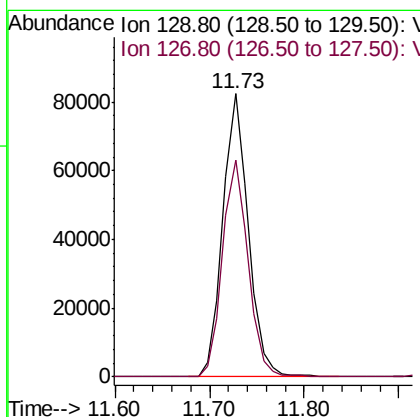
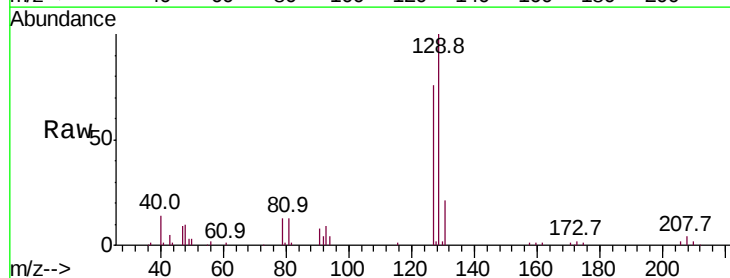
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

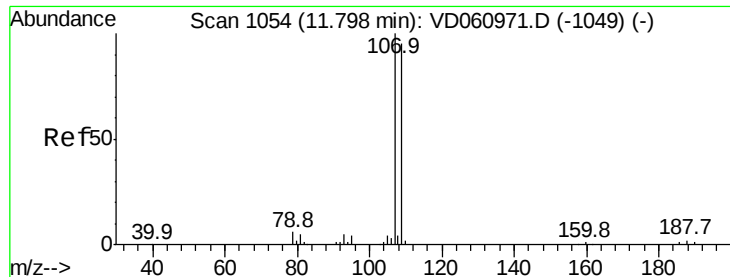
Tot Ion: 43 Resp: 286916  
Ion Ratio Lower Upper  
43 100  
58 56.2 26.5 79.5



#60  
Dibromochloromethane  
Concen: 21.502 ug/l  
RT: 11.73 min Scan# 1047  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 129 Resp: 153238  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.3 114.9

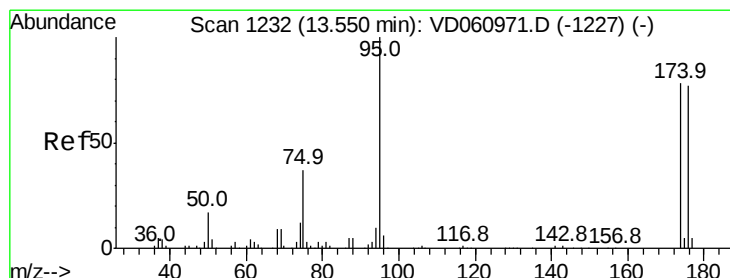
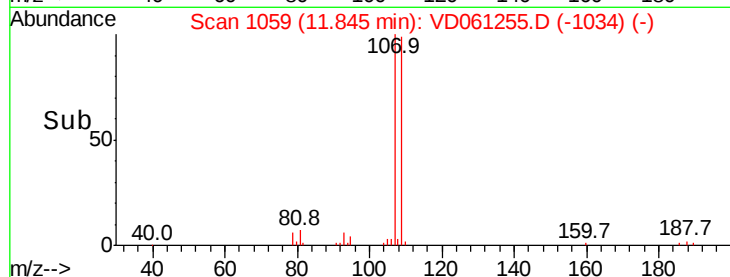
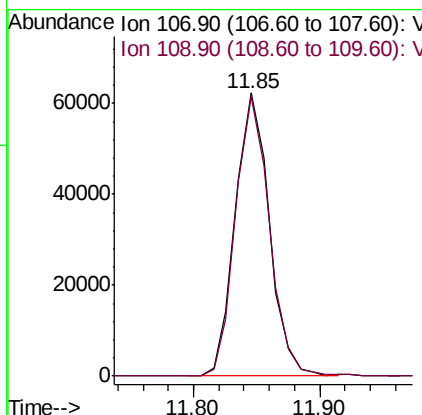
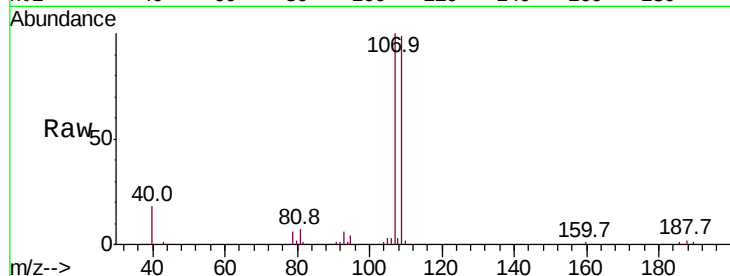




#61  
1,2-Dibromoethane  
Concen: 20.699 ug/l  
RT: 11.85 min Scan# 1059  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

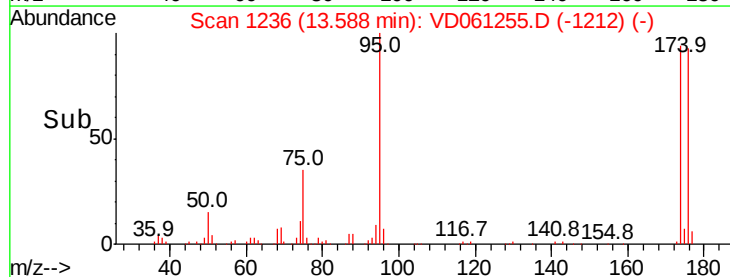
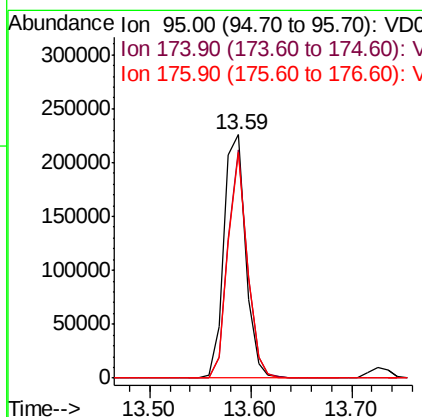
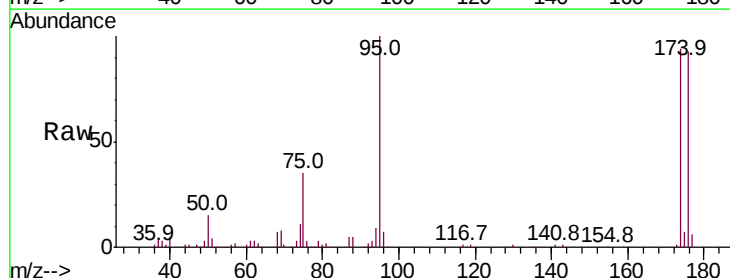
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

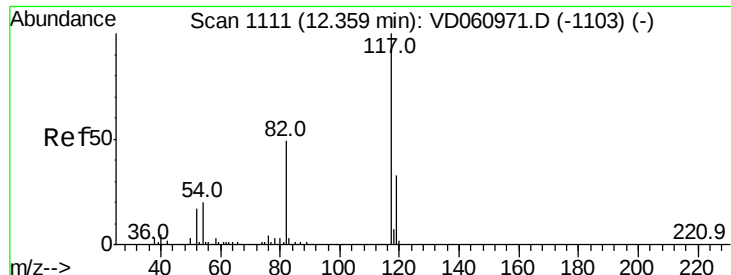
Tot Ion:107 Resp: 116600  
Ion Ratio Lower Upper  
107 100  
109 98.9 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 20.699 ug/l  
RT: 13.59 min Scan# 1236  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 95 Resp: 339722  
Ion Ratio Lower Upper  
95 100  
174 94.0 0.0 155.6  
176 92.8 0.0 153.8

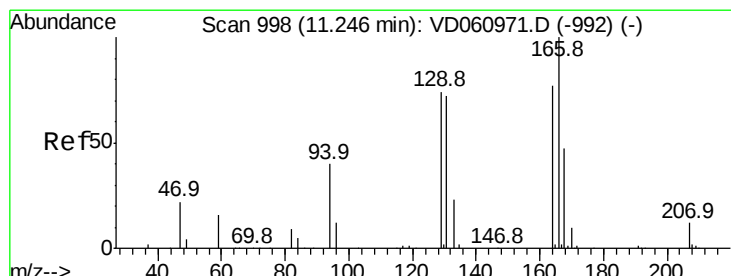
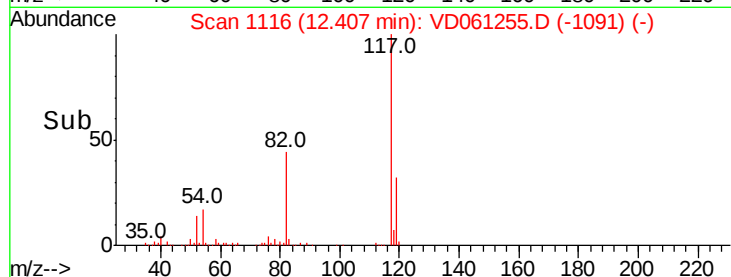
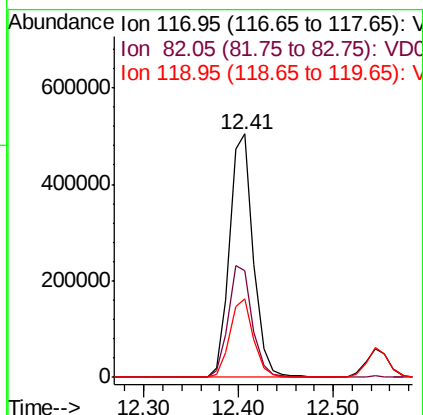
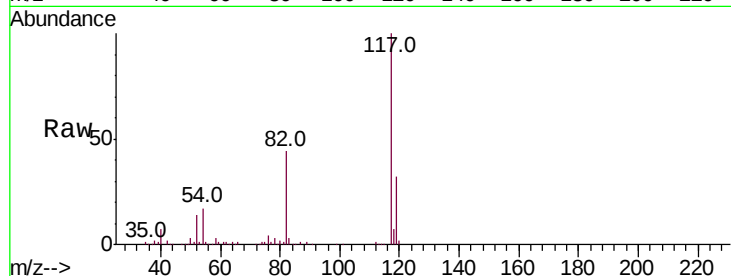




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.41 min Scan# 1116  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

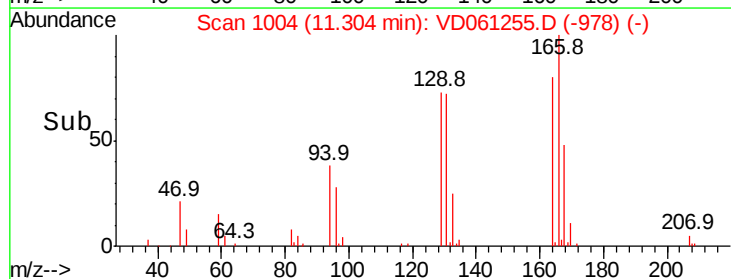
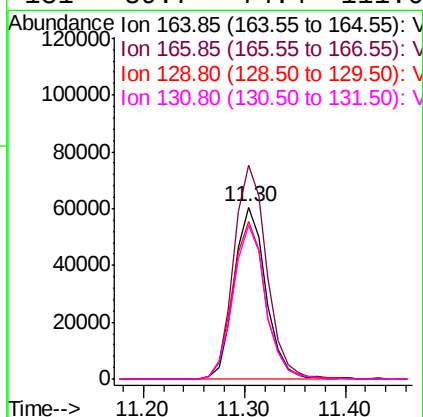
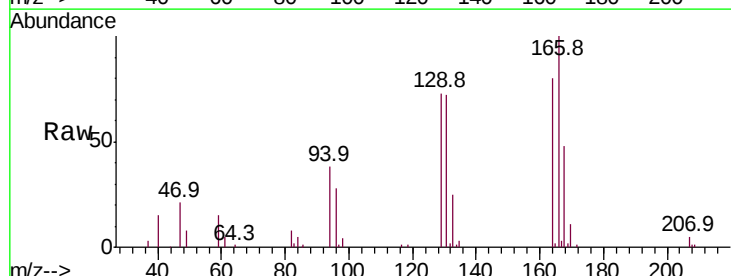
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

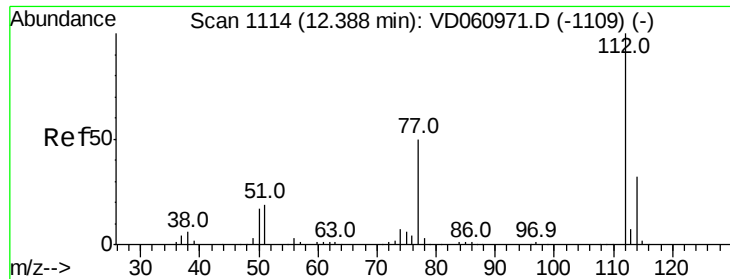
Tot Ion:117 Resp: 876988  
Ion Ratio Lower Upper  
117 100  
82 43.9 38.9 58.3  
119 32.5 26.6 39.8



#64  
Tetrachloroethene  
Concen: 22.300 ug/l  
RT: 11.30 min Scan# 1004  
Delta R.T. 0.06 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion:164 Resp: 132020  
Ion Ratio Lower Upper  
164 100  
166 124.5 103.4 155.0  
129 91.4 76.9 115.3  
131 89.7 74.4 111.6

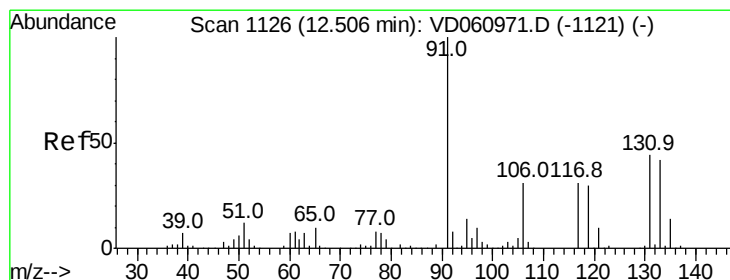
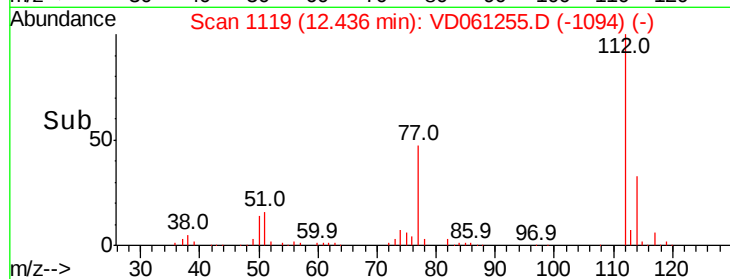
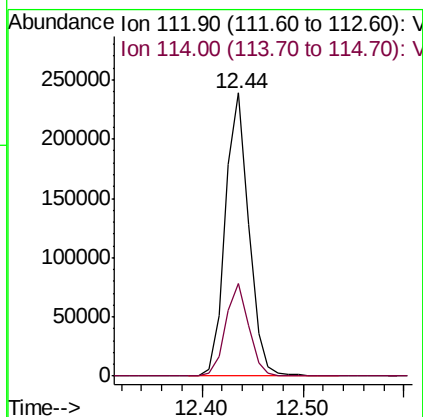
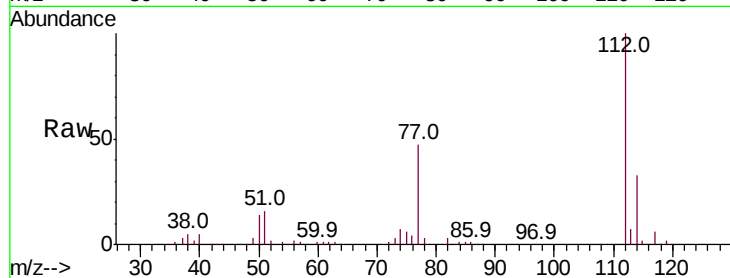




#65  
Chlorobenzene  
Concen: 22.432 ug/l  
RT: 12.44 min Scan# 1119  
Delta R.T. 0.05 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

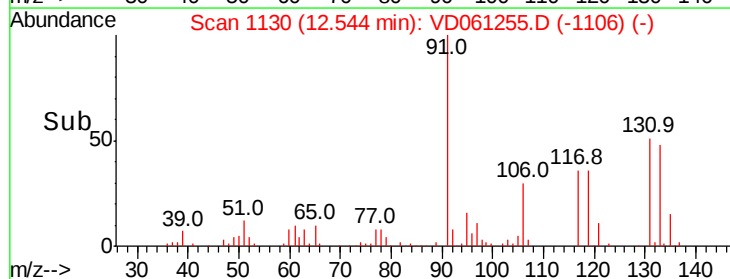
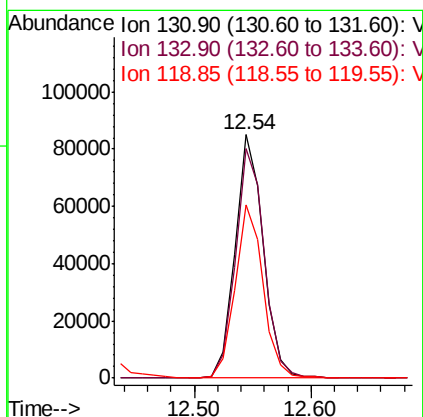
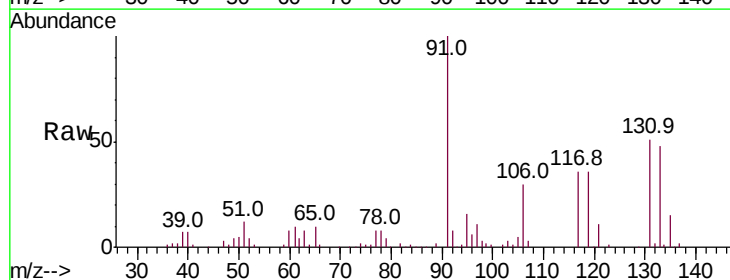
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

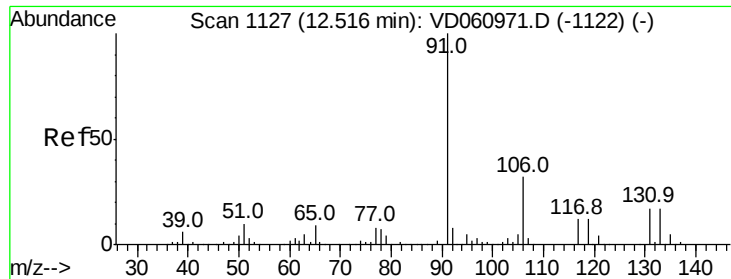
Tot Ion:112 Resp: 385658  
Ion Ratio Lower Upper  
112 100  
114 32.8 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 23.071 ug/l  
RT: 12.54 min Scan# 1130  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion:131 Resp: 141388  
Ion Ratio Lower Upper  
131 100  
133 94.4 47.8 143.3  
119 71.2 34.3 102.9

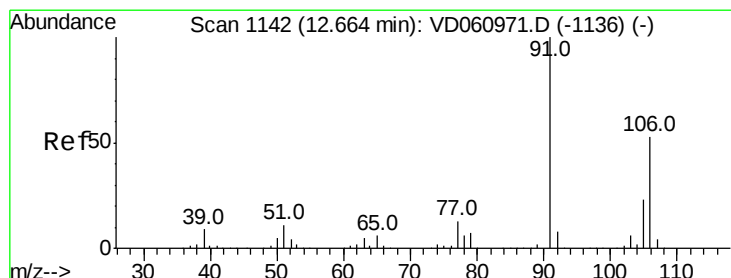
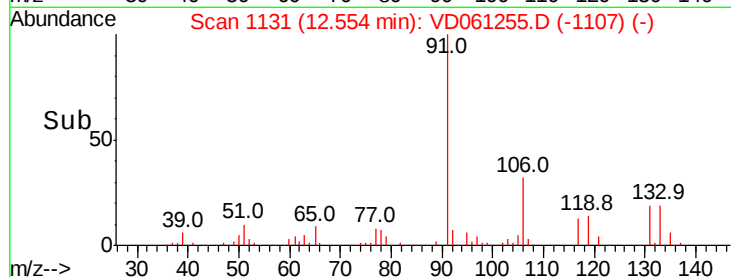
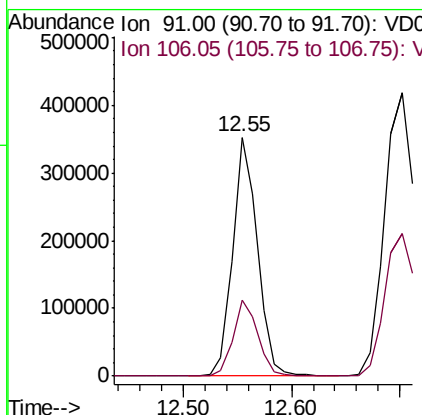
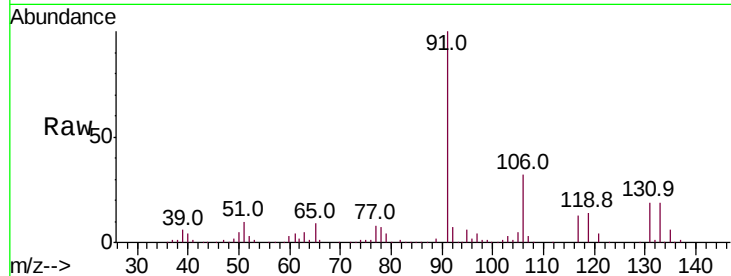




#67  
Ethyl Benzene  
Concen: 21.867 ug/l  
RT: 12.55 min Scan# 1131  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

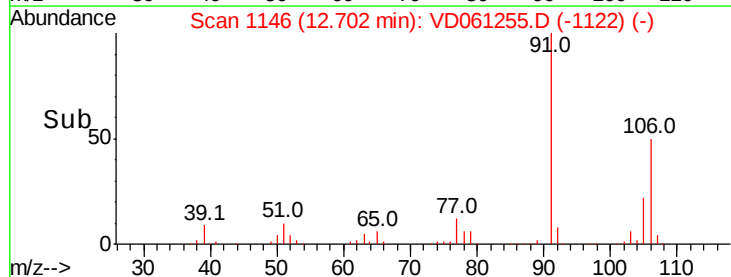
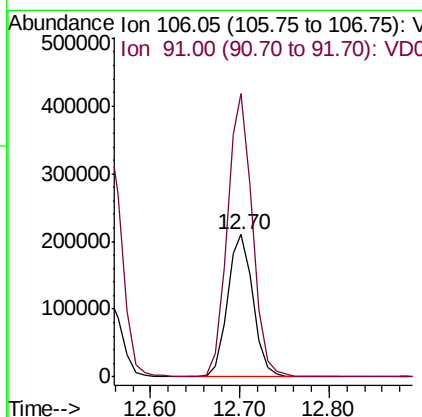
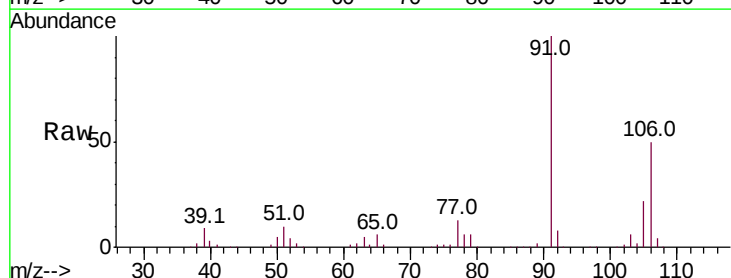
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

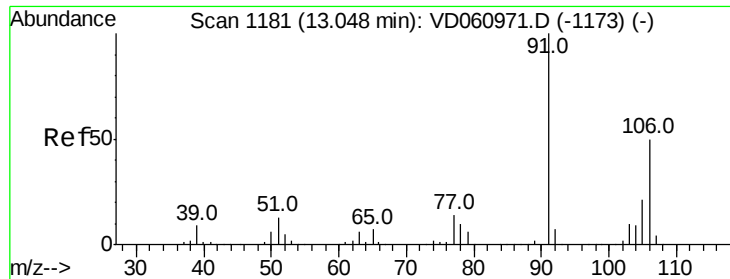
Tot Ion: 91 Resp: 559706  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.7 38.5



#68  
m/p-Xylenes  
Concen: 41.931 ug/l  
RT: 12.70 min Scan# 1146  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 106 Resp: 421246  
Ion Ratio Lower Upper  
106 100  
91 198.7 152.0 228.0

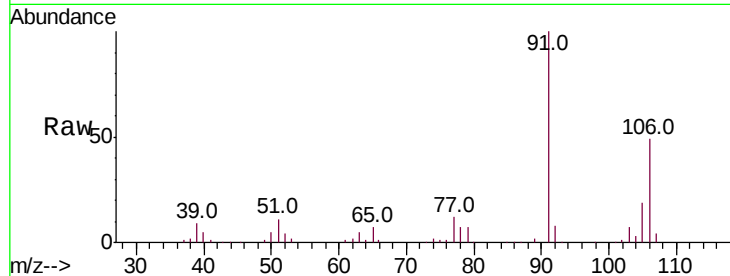




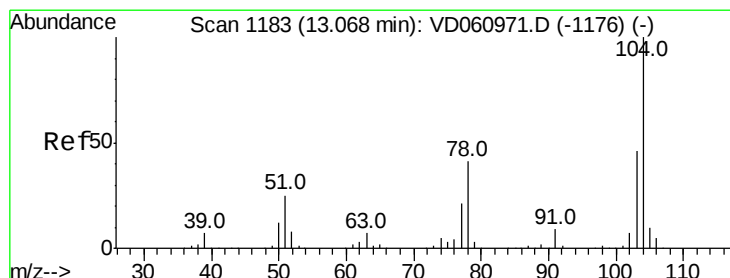
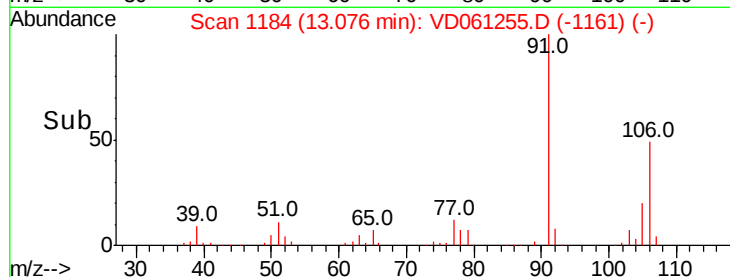
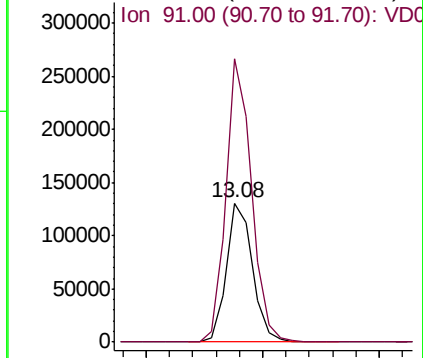
#69  
o-Xylene  
Concen: 20.526 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

Tot Ion:106 Resp: 202697  
Ion Ratio Lower Upper  
106 100  
91 203.5 99.8 299.3

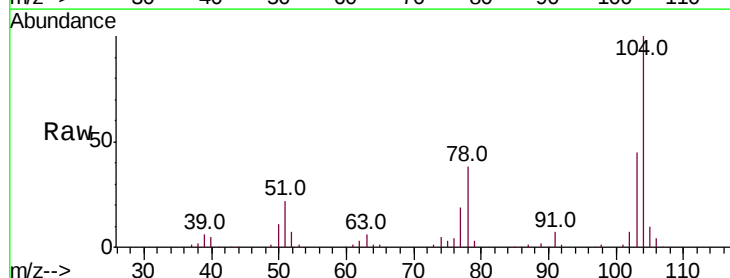


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

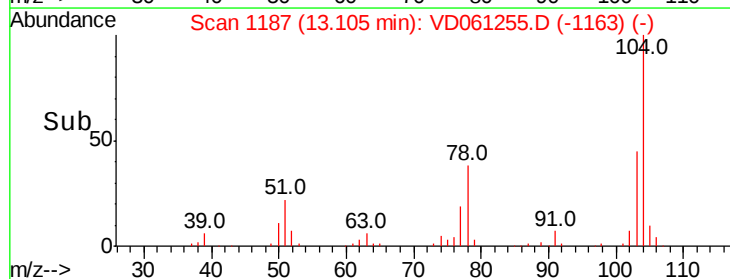
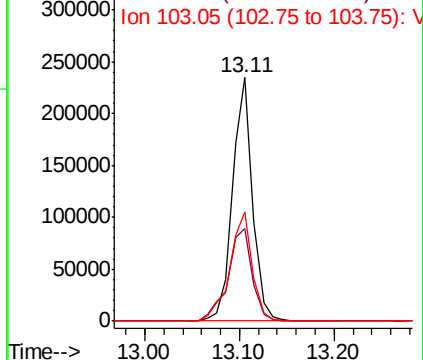


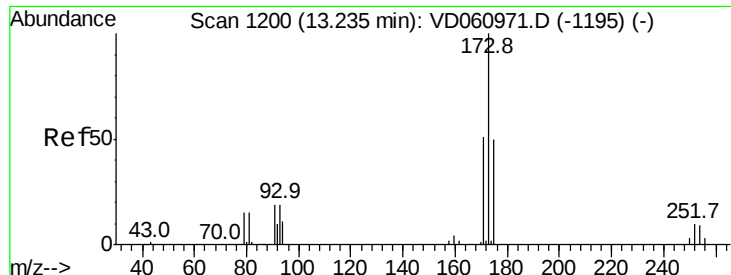
#70  
Styrene  
Concen: 21.167 ug/l  
RT: 13.11 min Scan# 1187  
Delta R.T. 0.04 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion:104 Resp: 341314  
Ion Ratio Lower Upper  
104 100  
78 38.2 33.0 49.4  
103 44.8 37.1 55.7



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





#71

Bromoform

Concen: 21.980 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

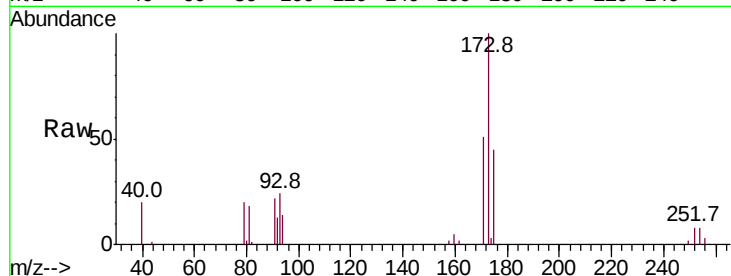
Tot Ion:173 Resp: 86895

Ion Ratio Lower Upper

173 100

175 44.7 24.9 74.8

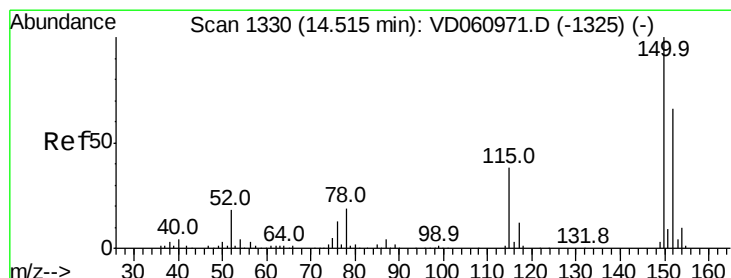
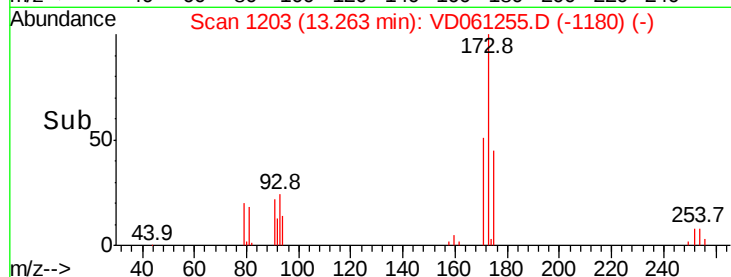
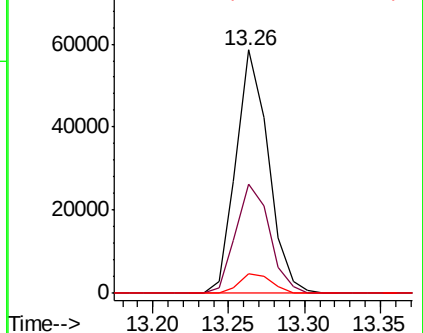
254 8.1 7.3 10.9



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: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

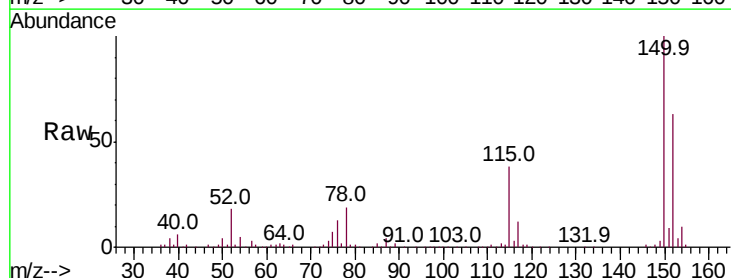
Tgt Ion:152 Resp: 341989

Ion Ratio Lower Upper

152 100

115 60.0 28.6 85.9

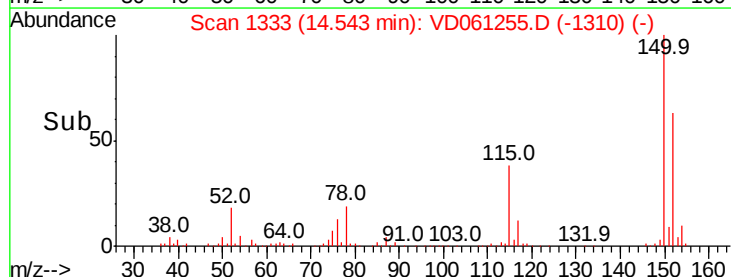
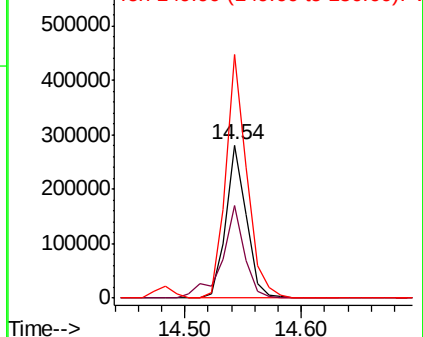
150 158.9 0.0 310.6

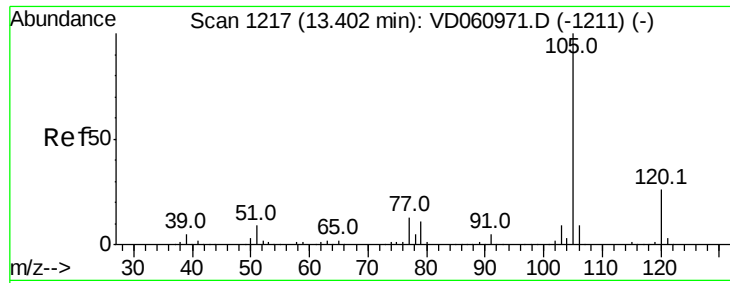


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

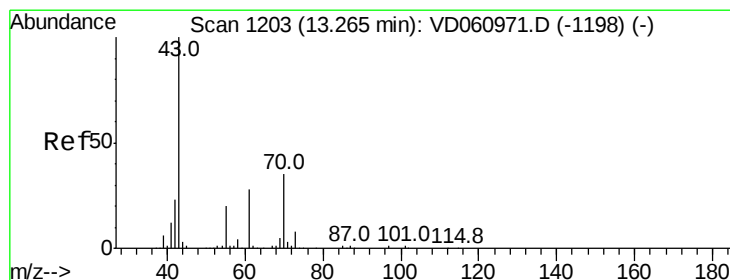
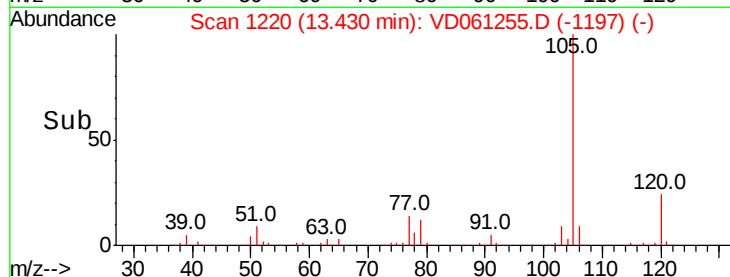
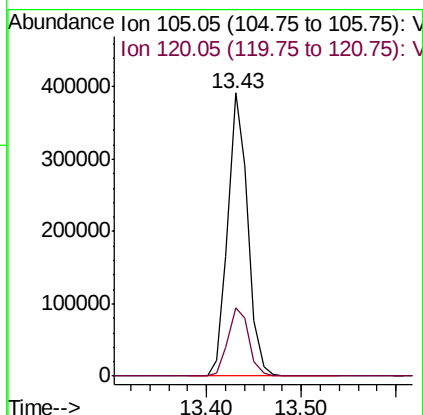
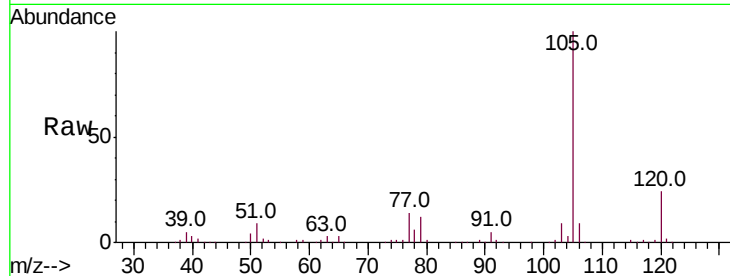




#73  
Isopropylbenzene  
Concen: 23.105 ug/l  
RT: 13.43 min Scan# 1220  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

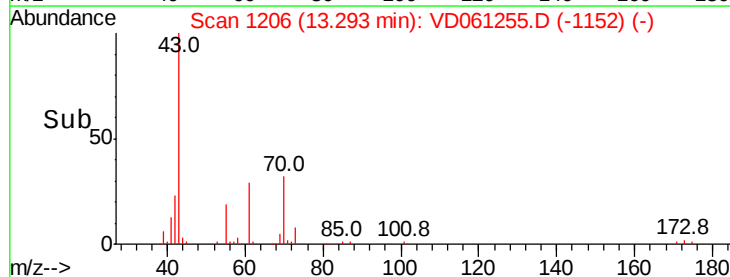
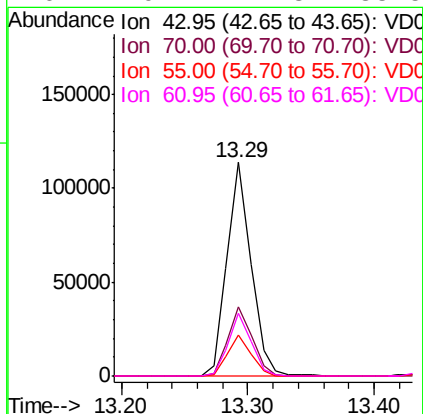
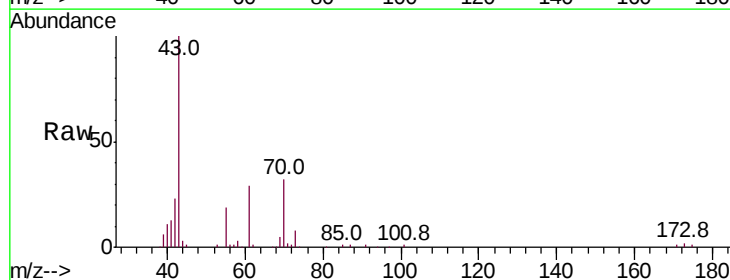
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

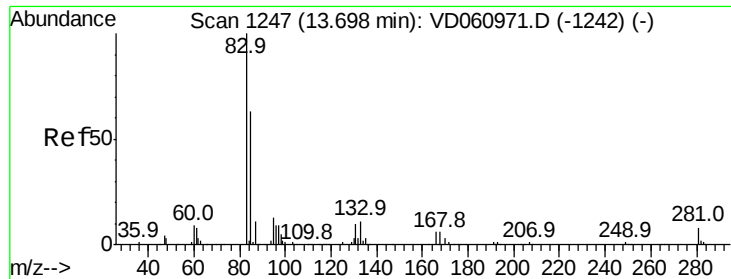
Tot Ion:105 Resp: 569466  
Ion Ratio Lower Upper  
105 100  
120 24.0 12.8 38.4



#74  
N-ethyl acetate  
Concen: 21.595 ug/l  
RT: 13.29 min Scan# 1206  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 43 Resp: 149863  
Ion Ratio Lower Upper  
43 100  
70 32.2 27.7 41.5  
55 19.0 16.2 24.2  
61 29.2 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.726 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

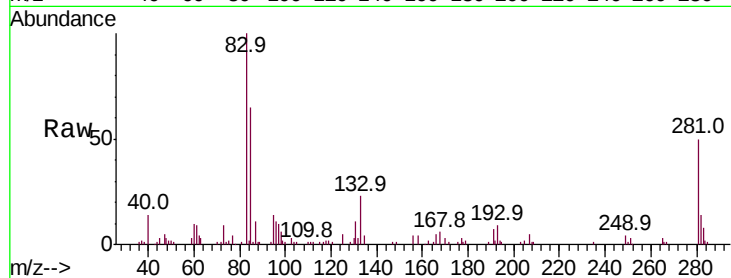
Tot Ion: 83 Resp: 104473

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 11.1  | 5.1   | 15.3  |
| 85  | 65.5  | 31.5  | 94.5  |

83 100

131 11.1 5.1 15.3

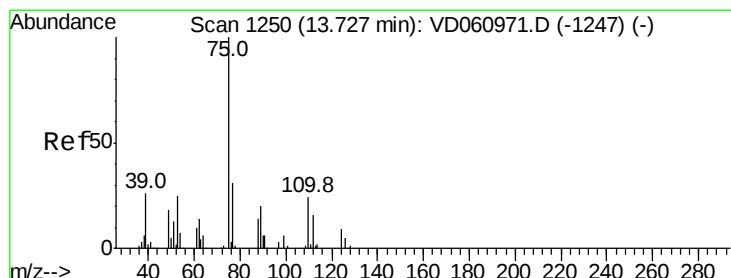
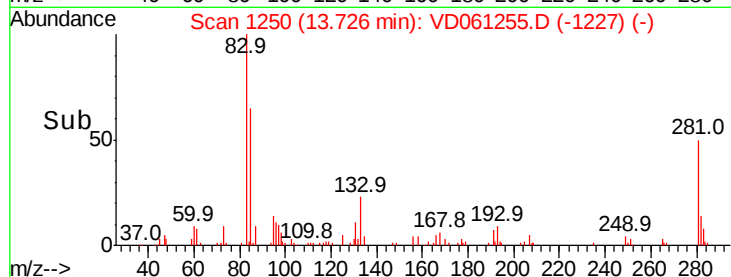
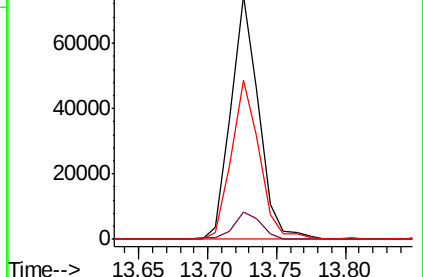
85 65.5 31.5 94.5



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: 23.756 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.03 min

Lab File: VD061255.D

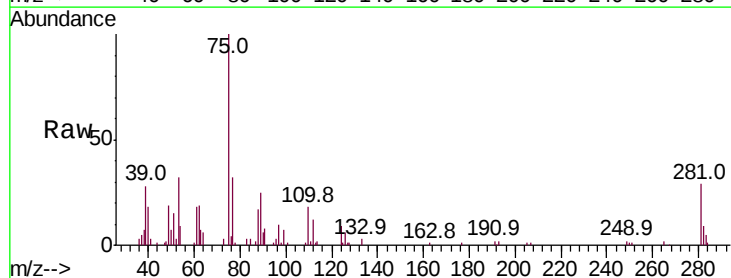
Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 116883

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.8  | 16.6  | 49.7  |

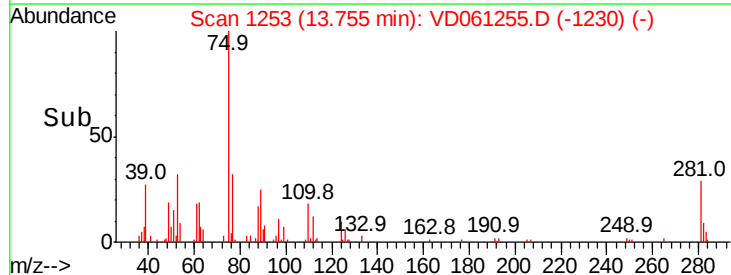
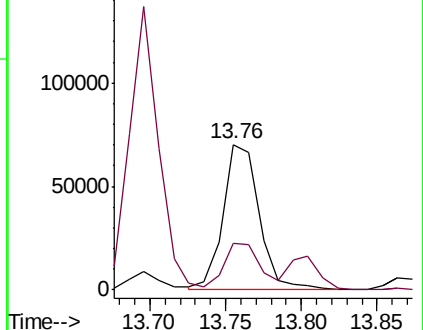
75 100

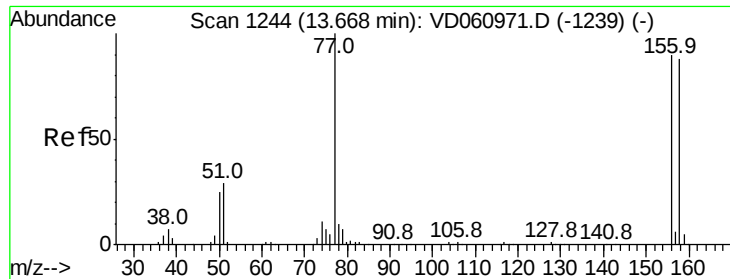
77 31.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 23.751 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBS01

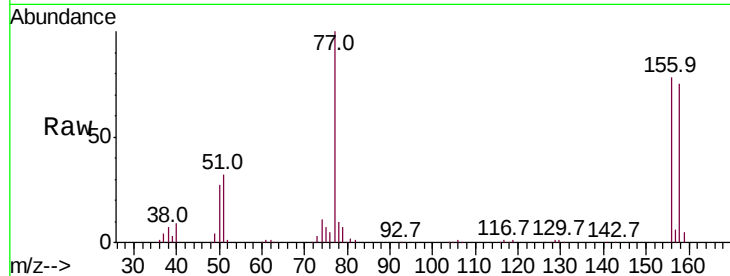
Tot Ion:156 Resp: 149431

Ion Ratio Lower Upper

156 100

77 127.7 55.5 166.7

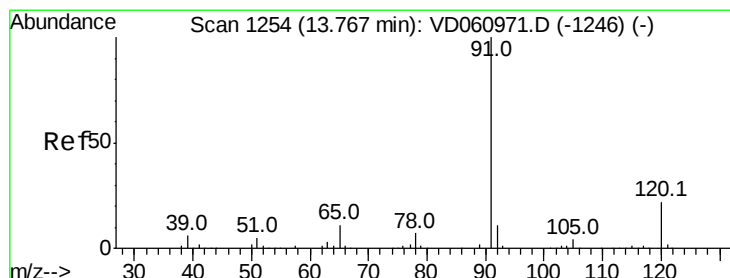
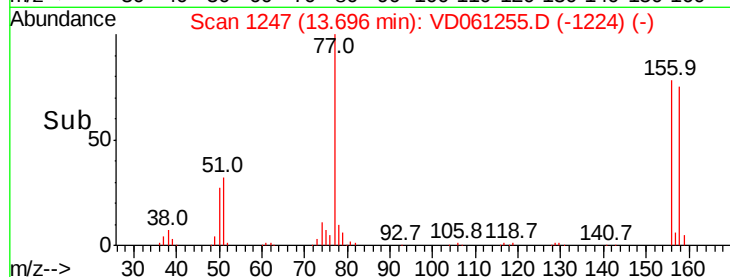
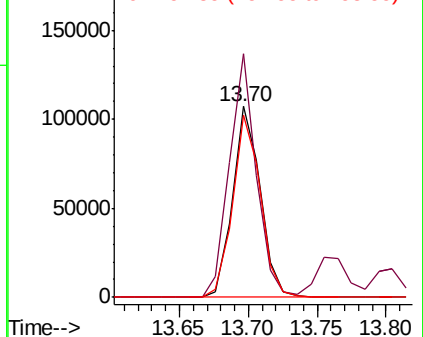
158 95.7 49.0 147.0



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: 23.168 ug/l

RT: 13.80 min Scan# 1258

Delta R.T. 0.04 min

Lab File: VD061255.D

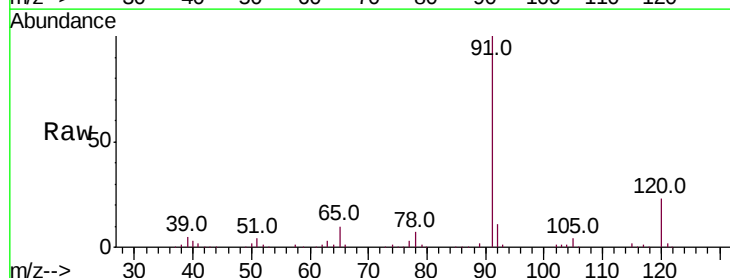
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 668465

Ion Ratio Lower Upper

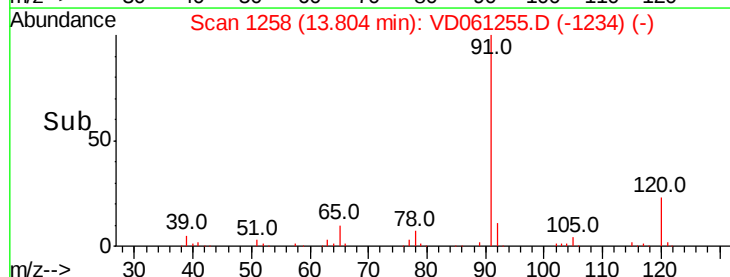
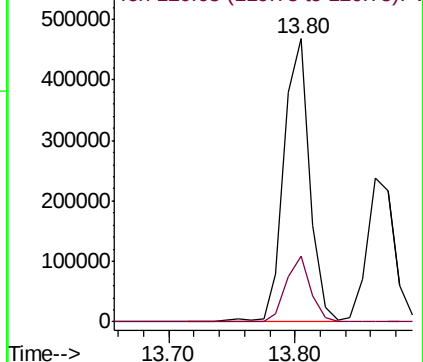
91 100

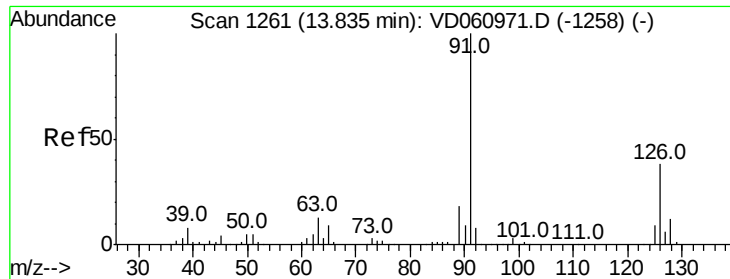
120 23.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

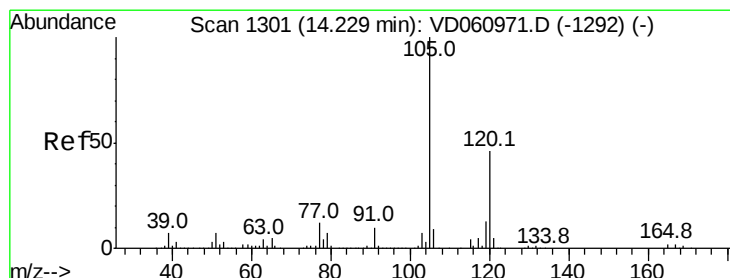
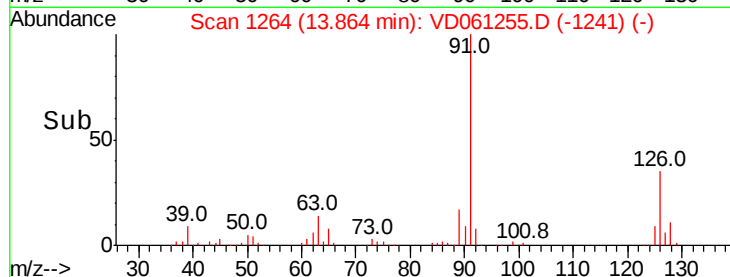
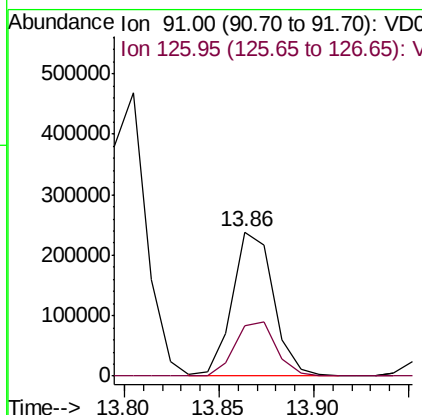
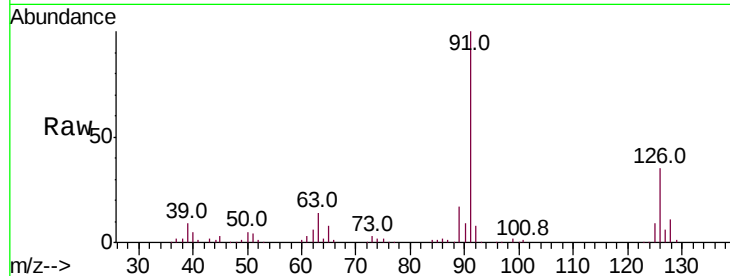




#79  
 2-Chlorotoluene  
 Concen: 22.121 ug/l  
 RT: 13.86 min Scan# 1264  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

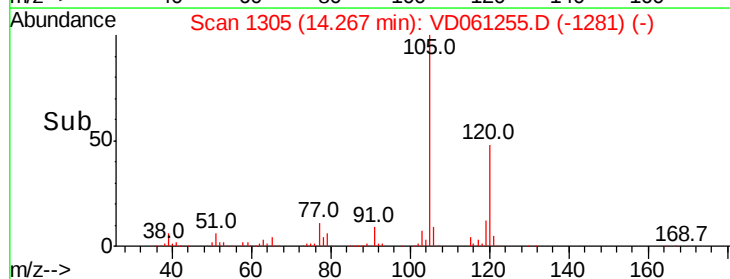
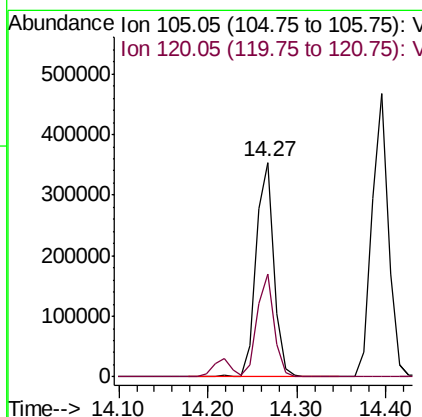
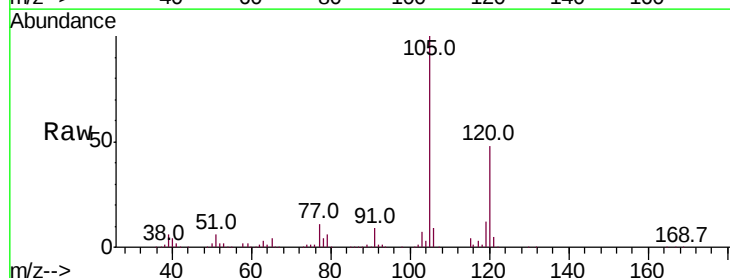
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBSD01

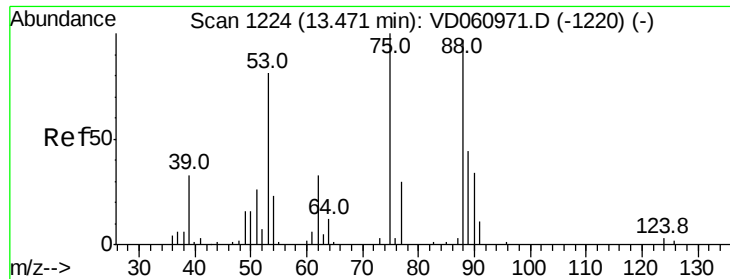
Tot Ion: 91 Resp: 351385  
 Ion Ratio Lower Upper  
 91 100  
 126 35.1 18.6 55.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 25.704 ug/l  
 RT: 14.27 min Scan# 1305  
 Delta R.T. 0.04 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion:105 Resp: 480943  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 22.891 ug/l

RT: 13.50 min Scan# 1227

Delta R.T. 0.03 min

Lab File: VD061255.D

Acq: 22 Mar 2019 12:37

Instrument :

MSVOA\_D

ClientSampleId :

VD0322SBSD01

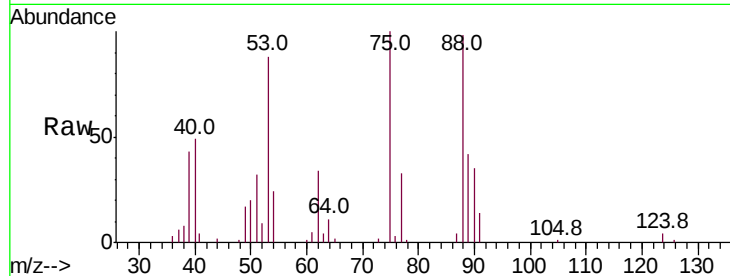
Tot Ion: 75 Resp: 33204

Ion Ratio Lower Upper

75 100

53 87.5 64.4 96.6

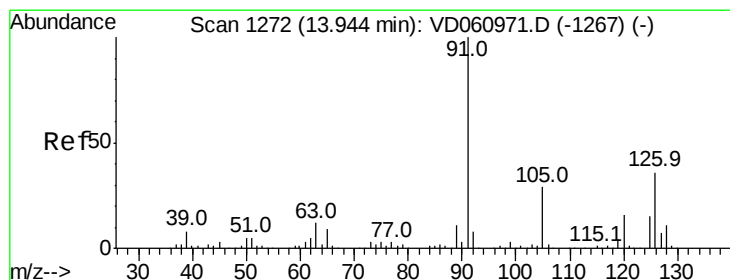
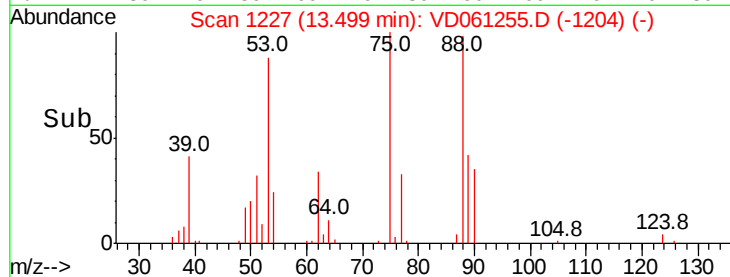
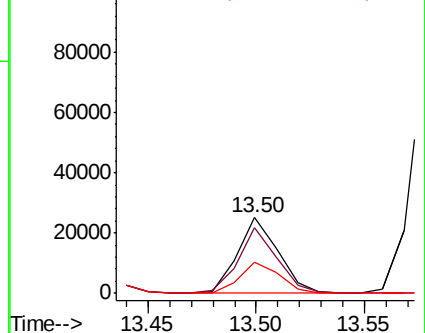
89 41.9 34.8 52.2



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: 20.754 ug/l

RT: 13.97 min Scan# 1275

Delta R.T. 0.03 min

Lab File: VD061255.D

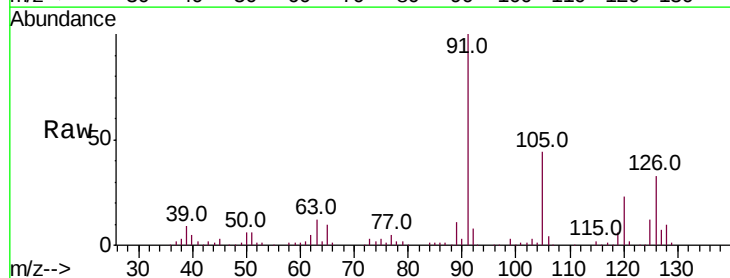
Acq: 22 Mar 2019 12:37

Tgt Ion: 91 Resp: 389736

Ion Ratio Lower Upper

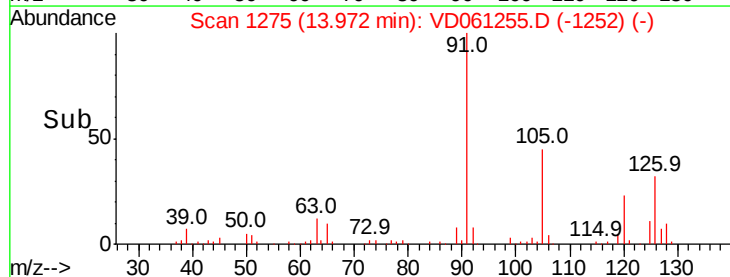
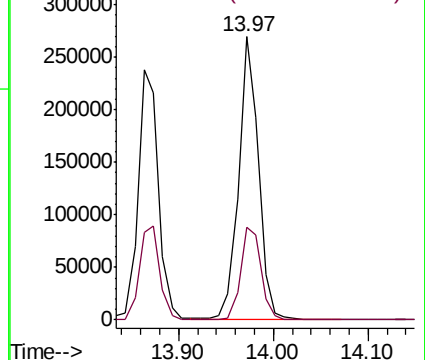
91 100

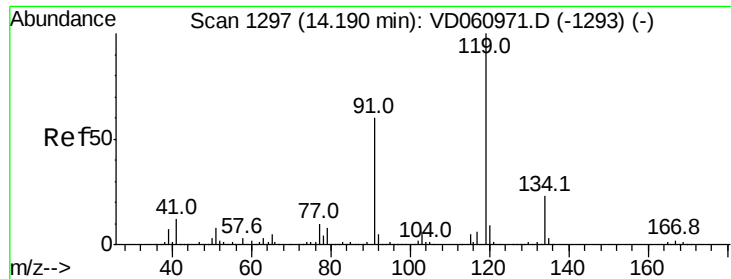
126 32.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

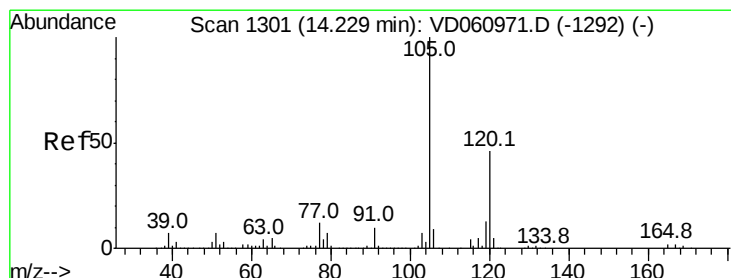
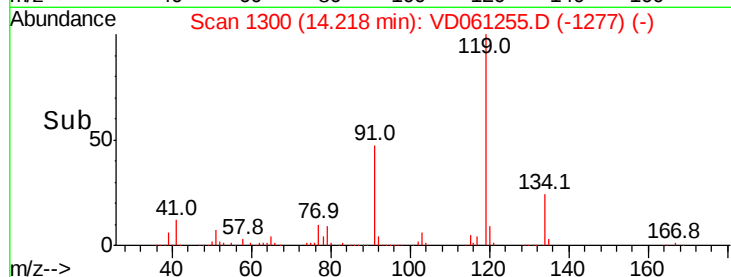
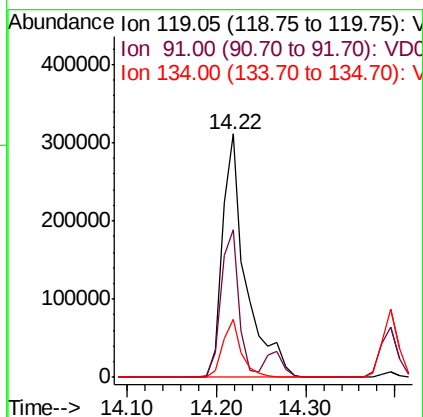
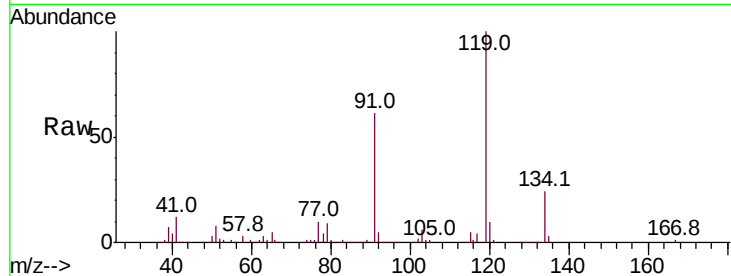




#83  
 tert-Butylbenzene  
 Concen: 28.006 ug/l  
 RT: 14.22 min Scan# 1300  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

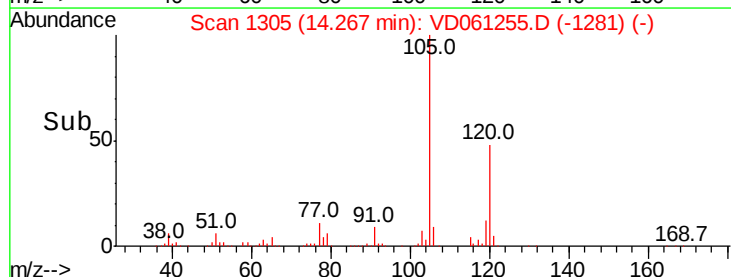
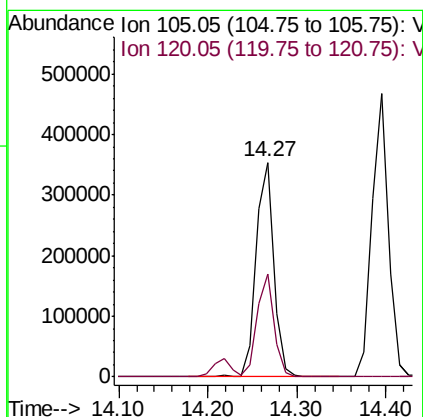
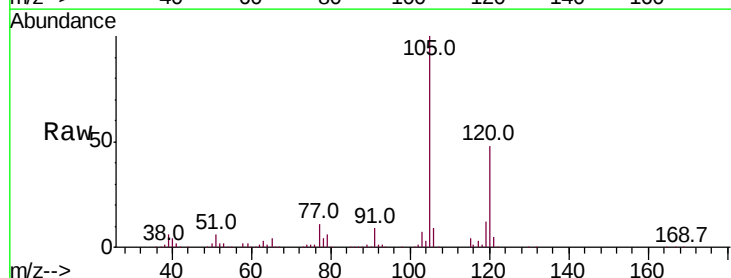
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBSD01

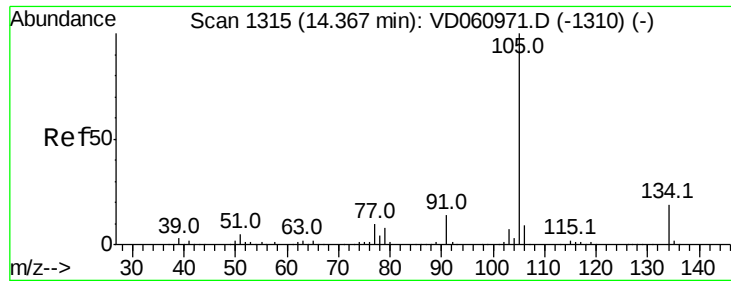
Tot Ion:119 Resp: 573471  
 Ion Ratio Lower Upper  
 119 100  
 91 60.7 30.1 90.3  
 134 24.1 11.6 34.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 25.704 ug/l  
 RT: 14.27 min Scan# 1305  
 Delta R.T. 0.04 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion:105 Resp: 480943  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 22.9 68.5

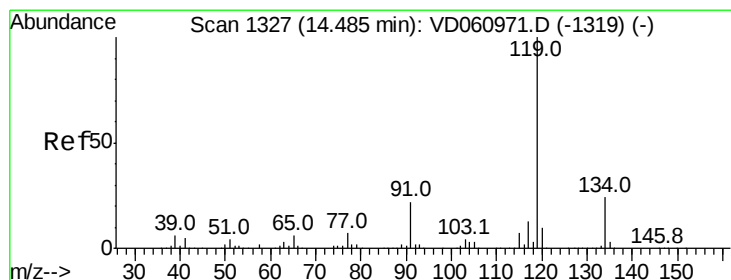
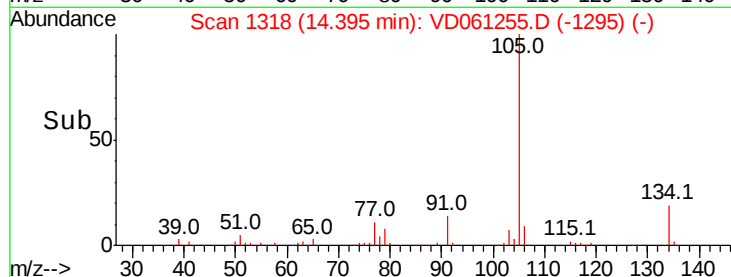
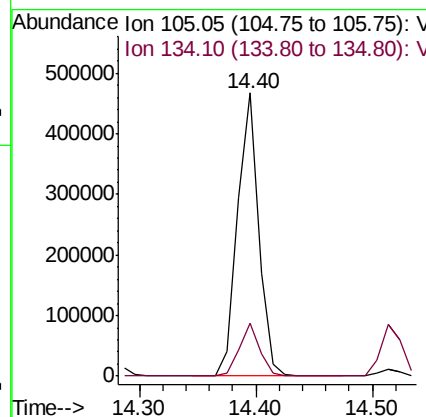
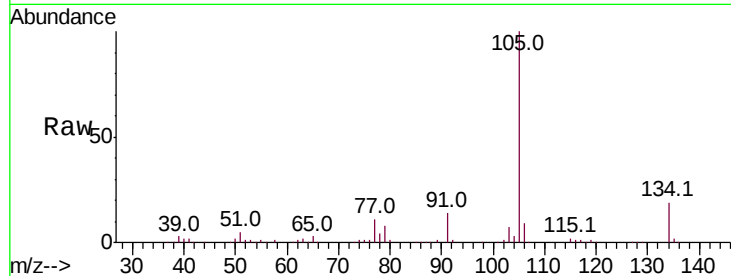




#85  
 sec-Butylbenzene  
 Concen: 23.634 ug/l  
 RT: 14.40 min Scan# 1318  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

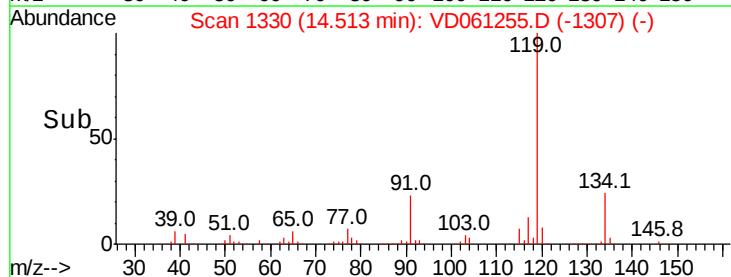
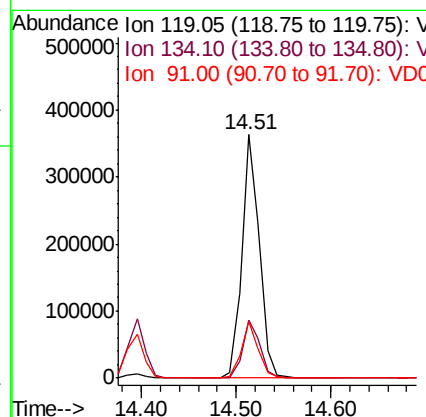
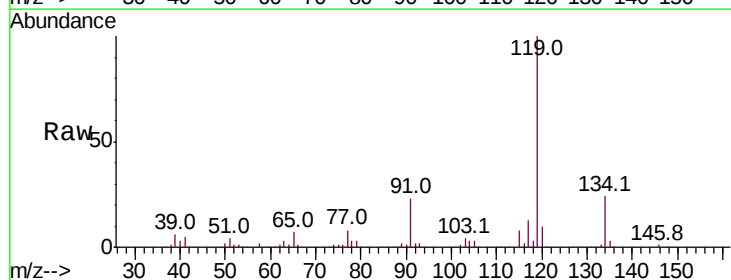
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0322SBS01

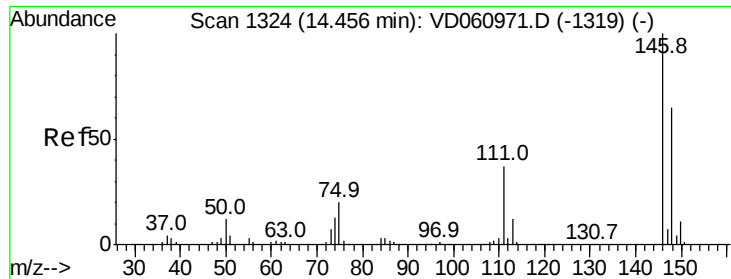
Tot Ion:105 Resp: 590804  
 Ion Ratio Lower Upper  
 105 100  
 134 18.7 9.4 28.2



#86  
 p-Isopropyltoluene  
 Concen: 22.658 ug/l  
 RT: 14.51 min Scan# 1330  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion:119 Resp: 462982  
 Ion Ratio Lower Upper  
 119 100  
 134 23.7 12.0 36.1  
 91 23.1 11.2 33.6

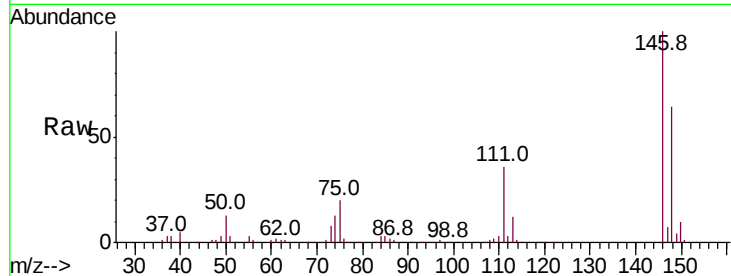




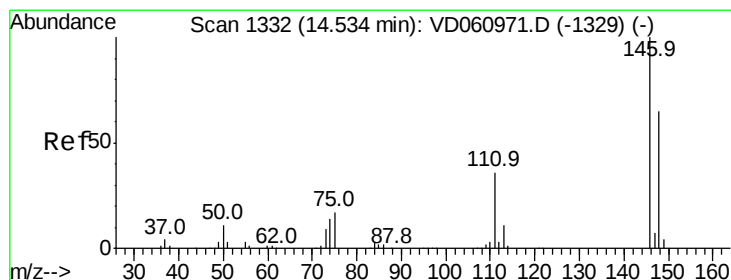
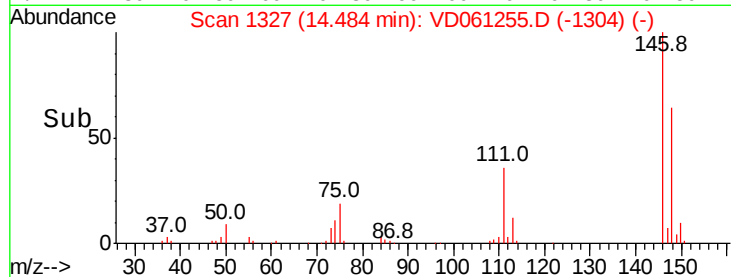
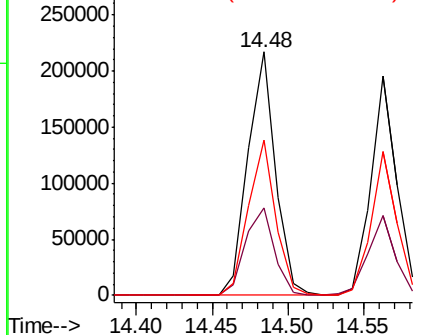
#87  
 1,3-Dichlorobenzene  
 Concen: 24.640 ug/l  
 RT: 14.48 min Scan# 1327  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBS01

Tot Ion:146 Resp: 276817  
 Ion Ratio Lower Upper  
 146 100  
 111 36.1 18.4 55.4  
 148 64.0 32.5 97.4

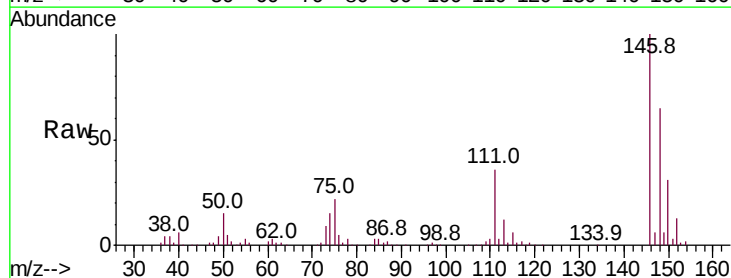


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

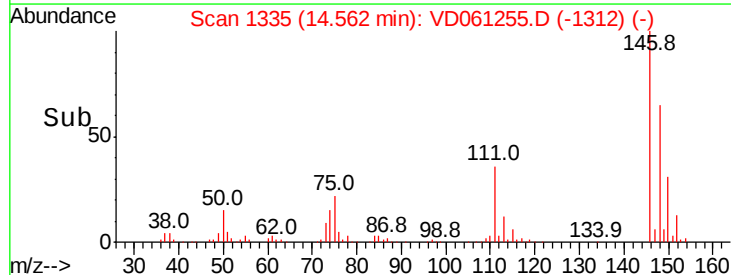
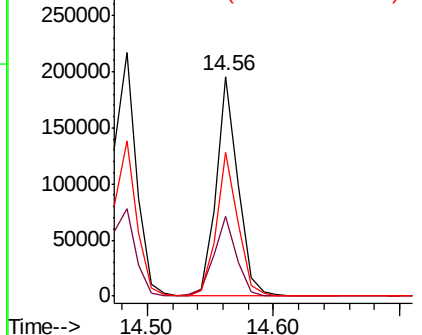


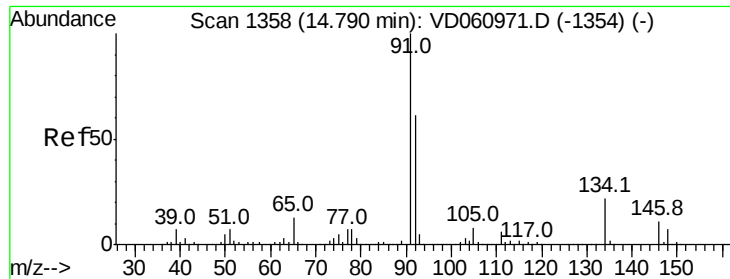
#88  
 1,4-Dichlorobenzene  
 Concen: 21.384 ug/l  
 RT: 14.56 min Scan# 1335  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion:146 Resp: 236082  
 Ion Ratio Lower Upper  
 146 100  
 111 36.4 18.4 55.2  
 148 65.2 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

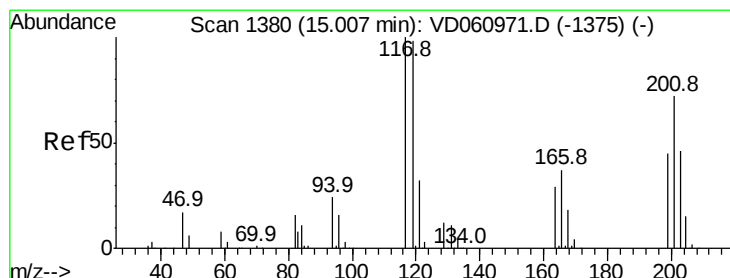
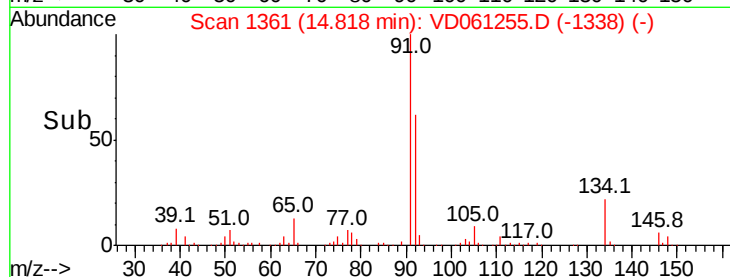
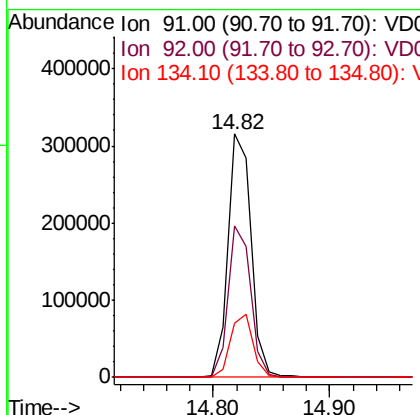
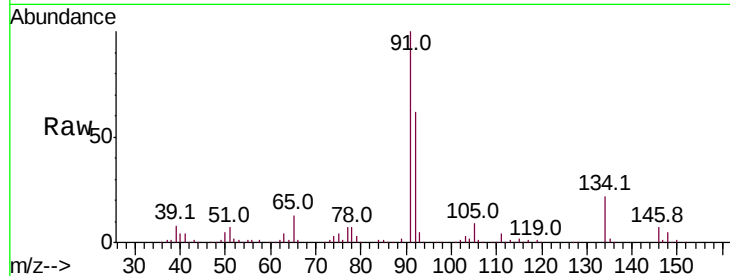




#89  
n-Butylbenzene  
Concen: 22.152 ug/l  
RT: 14.82 min Scan# 1361  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

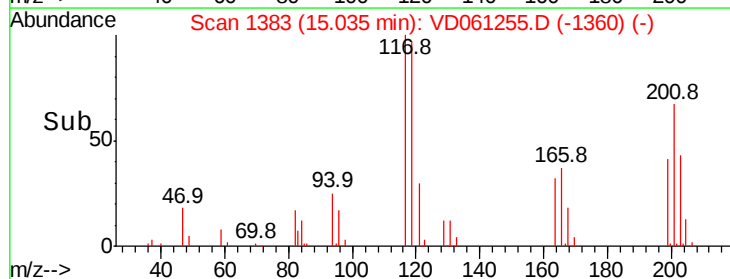
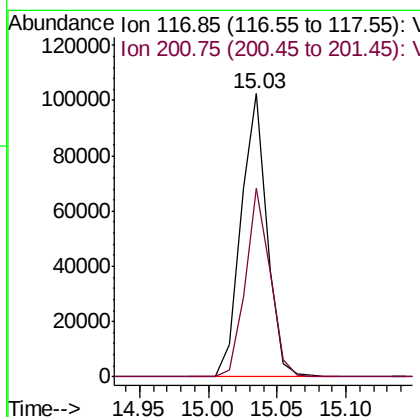
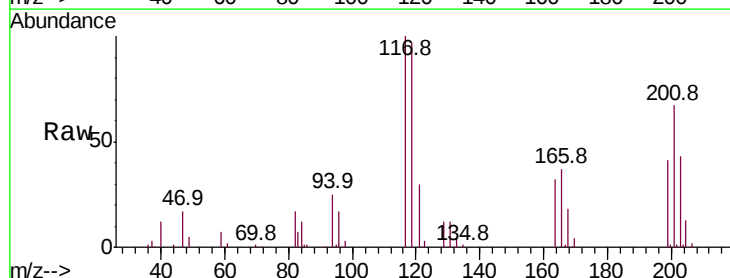
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBS01

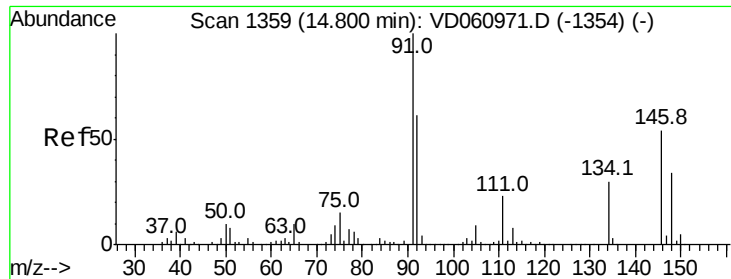
Tot Ion: 91 Resp: 434670  
Ion Ratio Lower Upper  
91 100  
92 62.0 30.6 91.8  
134 22.2 11.0 33.0



#90  
Hexachloroethane  
Concen: 23.288 ug/l  
RT: 15.03 min Scan# 1383  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion: 117 Resp: 134366  
Ion Ratio Lower Upper  
117 100  
201 66.6 36.2 108.6

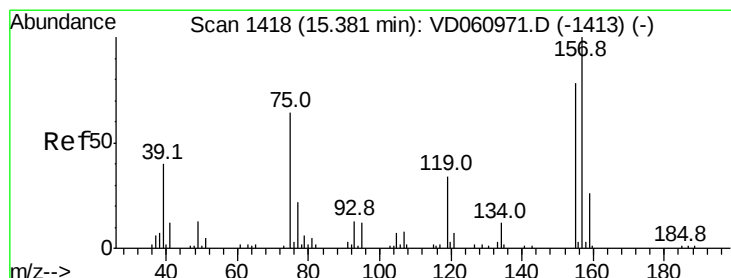
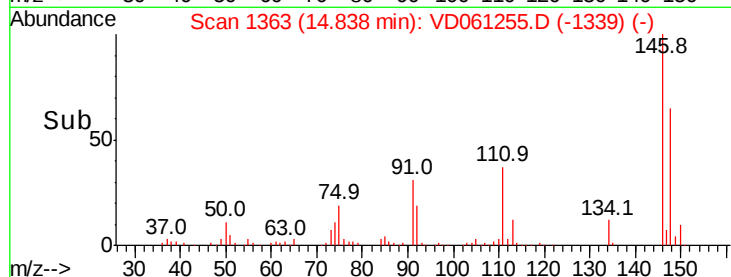
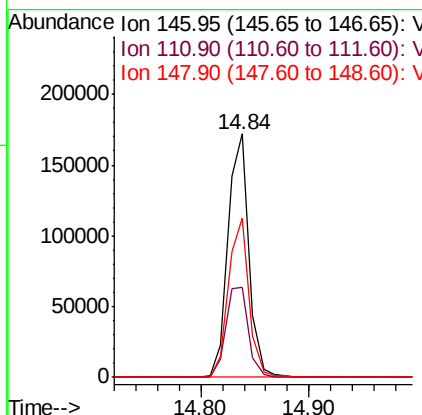
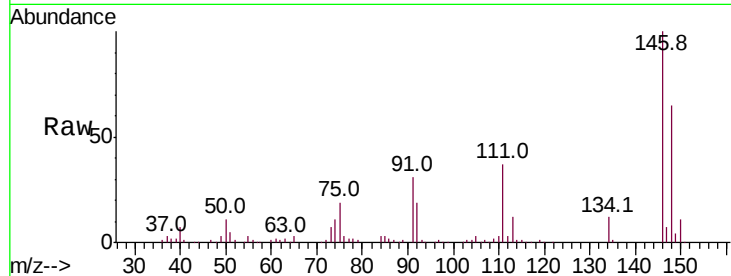




#91  
 1,2-Dichlorobenzene  
 Concen: 24.750 ug/l  
 RT: 14.84 min Scan# 1363  
 Delta R.T. 0.04 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

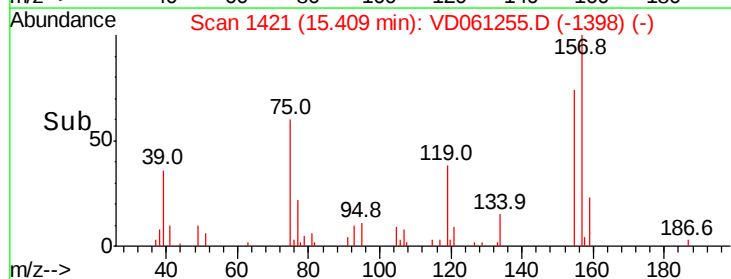
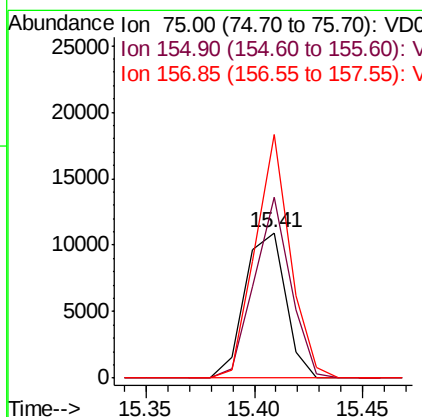
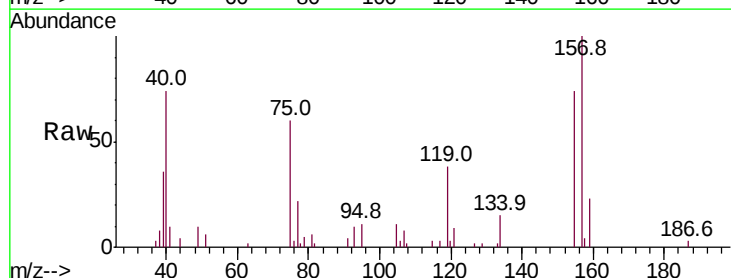
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBS01

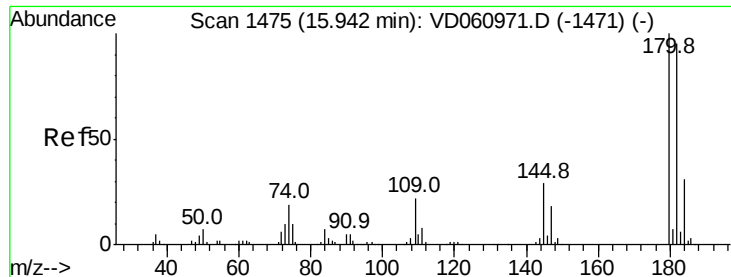
Tot Ion:146 Resp: 231802  
 Ion Ratio Lower Upper  
 146 100  
 111 37.1 21.5 64.5  
 148 65.3 30.9 92.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 24.655 ug/l  
 RT: 15.41 min Scan# 1421  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion: 75 Resp: 14287  
 Ion Ratio Lower Upper  
 75 100  
 155 124.7 61.2 183.5  
 157 167.4 78.3 234.8

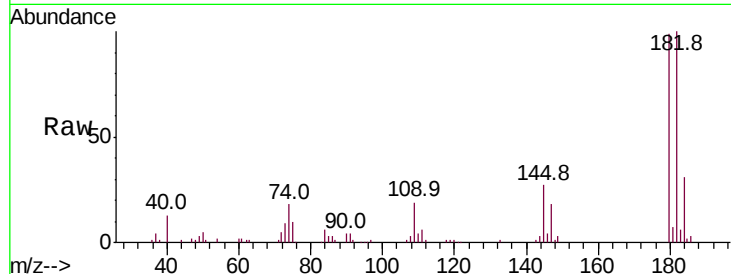




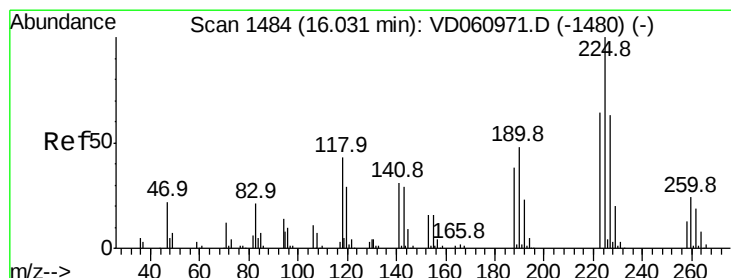
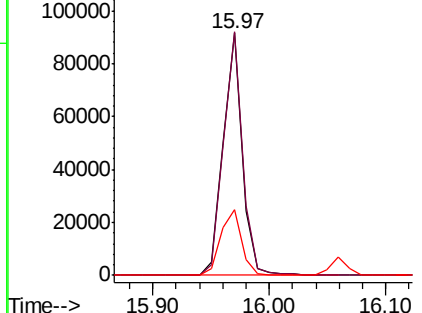
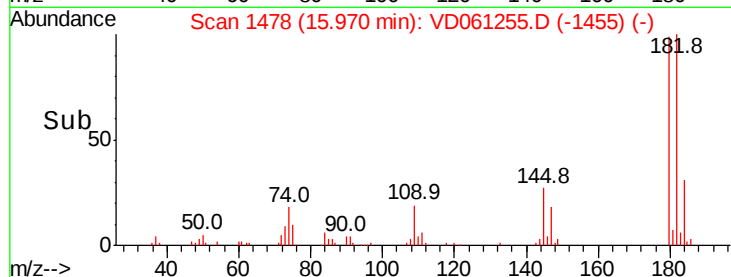
#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.985 ug/l  
 RT: 15.97 min Scan# 1478  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0322SBSD01

Tot Ion:180 Resp: 104207  
 Ion Ratio Lower Upper  
 180 100  
 182 100.6 47.3 142.0  
 145 27.1 14.4 43.0

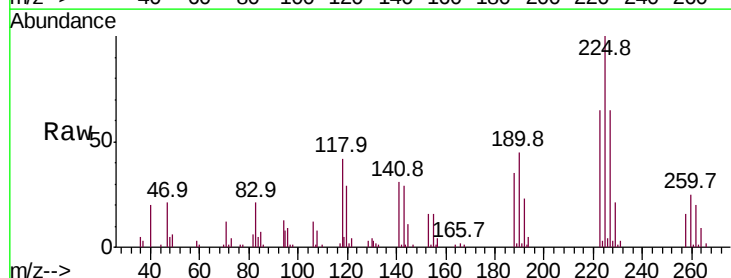


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

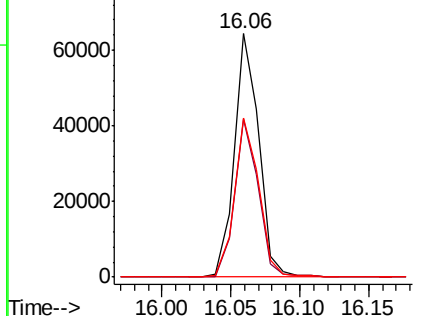
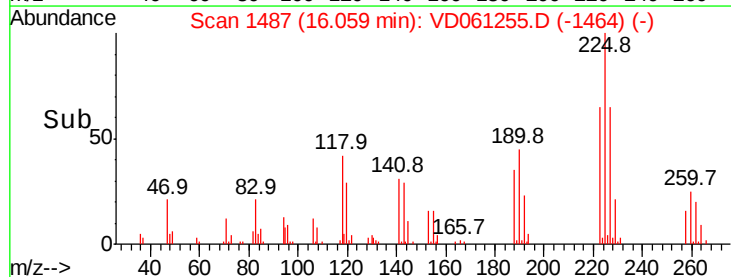


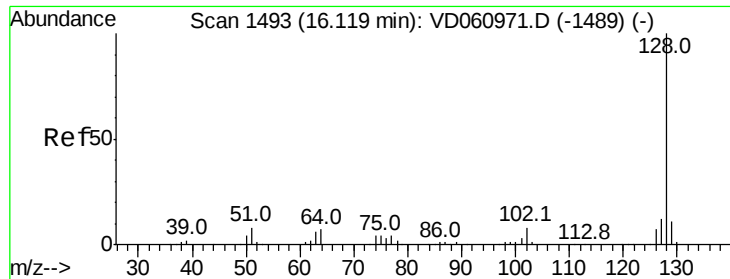
#94  
 Hexachlorobutadiene  
 Concen: 24.150 ug/l  
 RT: 16.06 min Scan# 1487  
 Delta R.T. 0.03 min  
 Lab File: VD061255.D  
 Acq: 22 Mar 2019 12:37

Tgt Ion:225 Resp: 79365  
 Ion Ratio Lower Upper  
 225 100  
 223 65.0 31.8 95.3  
 227 65.5 31.4 94.0



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

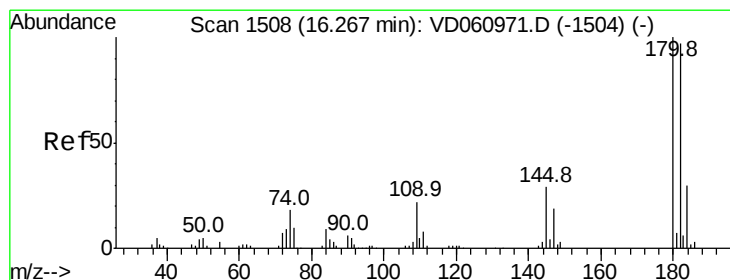
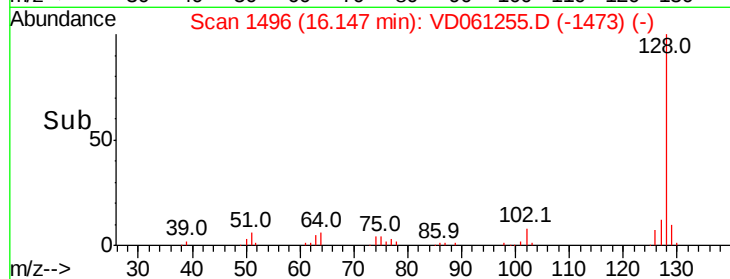
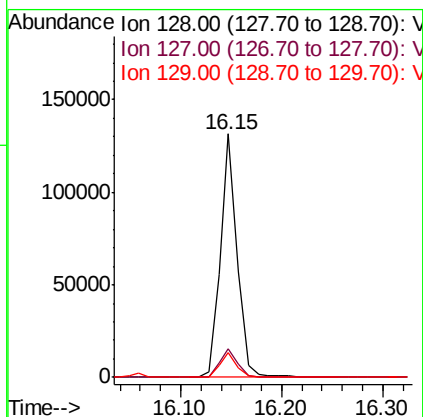
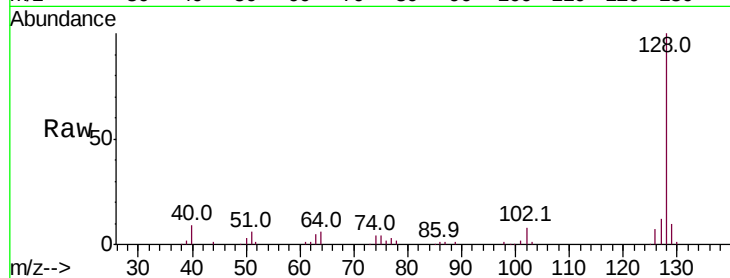




#95  
Naphthalene  
Concen: 23.122 ug/l  
RT: 16.15 min Scan# 1496  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0322SBSD01

Tot Ion:128 Resp: 152659  
Ion Ratio Lower Upper  
128 100  
127 11.5 9.8 14.8  
129 10.0 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 21.035 ug/l  
RT: 16.30 min Scan# 1511  
Delta R.T. 0.03 min  
Lab File: VD061255.D  
Acq: 22 Mar 2019 12:37

Tgt Ion:180 Resp: 45139  
Ion Ratio Lower Upper  
180 100  
182 96.6 48.6 145.8  
145 33.4 14.3 42.9

