

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042519\  
 Data File : VD062044.D  
 Acq On : 25 Apr 2019 17:51  
 Operator : VA/AP  
 Sample : K2203-19  
 Misc : 6.55g/5ml/MSVOA D/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 26 01:44:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 14:52:55 2019  
 Response via : Initial Calibration

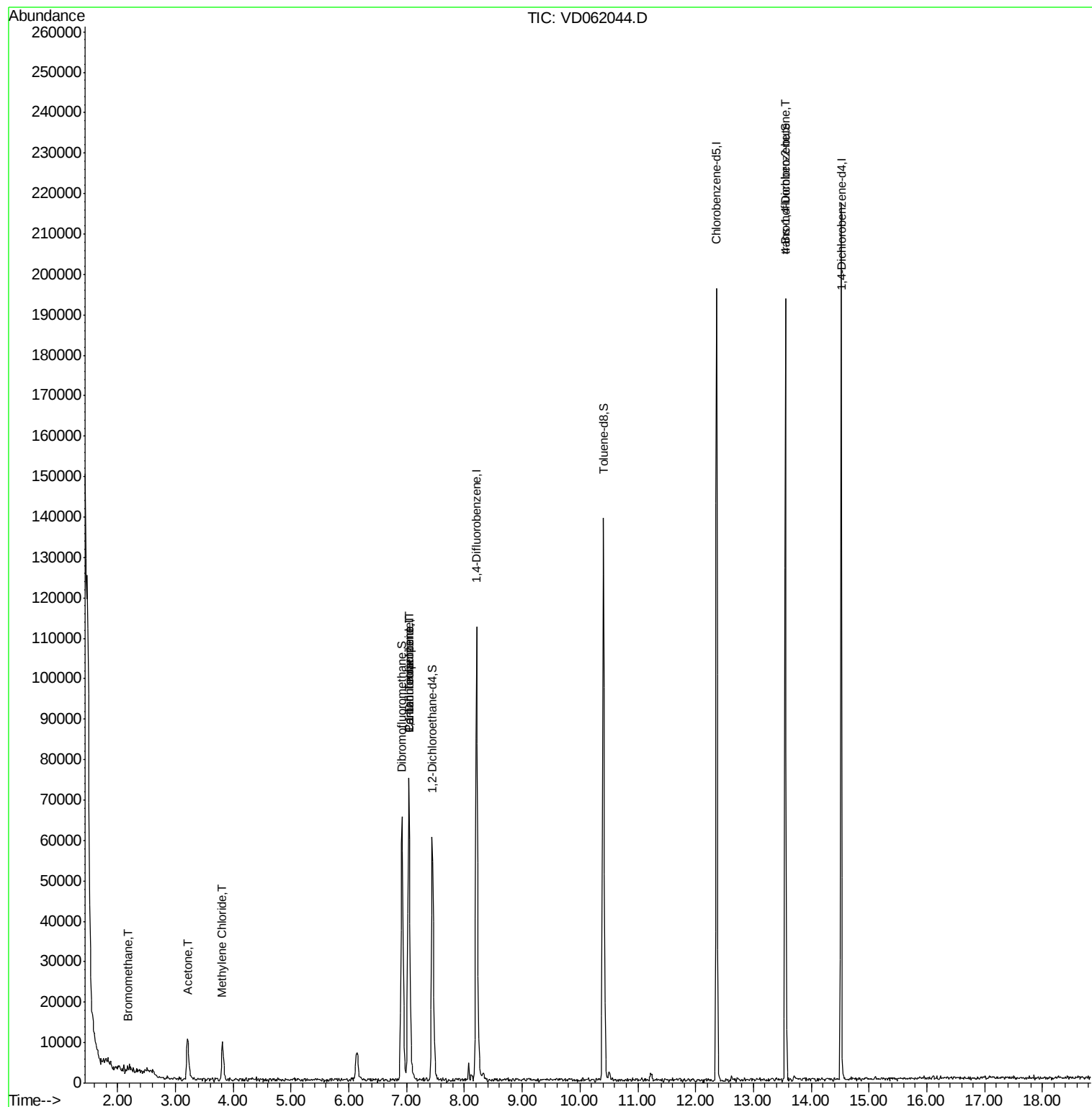
| Internal Standards             | R.T.   | QIon | Response | Conc      | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|-----------|---------|----------|
| 1) Pentafluorobenzene          | 7.04   | 168  | 79218    | 50.00     | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene        | 8.21   | 114  | 128598   | 50.00     | ug/l    | -0.01    |
| 63) Chlorobenzene-d5           | 12.36  | 117  | 116316   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 14.52  | 152  | 55187    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |           |         |          |
| 33) 1,2-Dichloroethane-d4      | 7.44   | 65   | 60384    | 97.39     | ug/l    | -0.01    |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 194.78% |          |
| 35) Dibromofluoromethane       | 6.92   | 113  | 63814    | 71.75     | ug/l    | -0.01    |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 143.50% |          |
| 50) Toluene-d8                 | 10.40  | 98   | 124515   | 58.84     | ug/l    | -0.01    |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 117.68% |          |
| 62) 4-Bromofluorobenzene       | 13.55  | 95   | 57817    | 68.11     | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =         | 136.22% |          |
| Target Compounds               |        |      |          |           |         |          |
|                                |        |      |          |           | Qvalue  |          |
| 5) Bromomethane                | 2.18   | 94   | 806      | 4.323     | ug/l #  | 12       |
| 16) Acetone                    | 3.21   | 43   | 21370    | 144.354   | ug/l    | 98       |
| 18) Methyl Acetate             | 3.64   | 43   | 214      | Below Cal | #       | 53       |
| 20) Methylene Chloride         | 3.81   | 84   | 6914     | 6.841     | ug/l    | 92       |
| 36) 1,1-Dichloropropene        | 7.04   | 75   | 5074     | 5.064     | ug/l #  | 40       |
| 38) Carbon Tetrachloride       | 7.03   | 117  | 7385     | 5.817     | ug/l #  | 12       |
| 81) trans-1,4-Dichloro-2-buten | 13.55  | 75   | 22653    | 106.669   | ug/l #  | 16       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042519\  
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Instrument :  
MSVOA\_D  
ClientSampled :

Quant Time: Apr 26 01:44:14 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 23 14:52:55 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD062044.D

Acq: 25 Apr 2019 17:51

Instrument :

MSVOA\_D

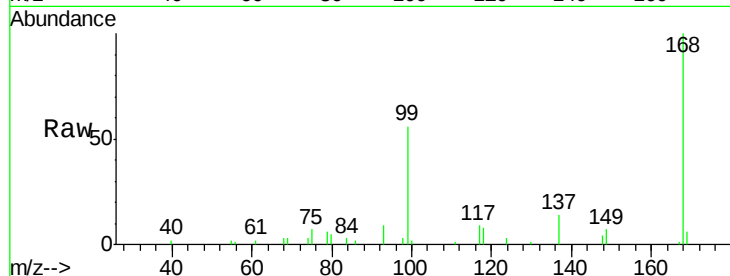
ClientSampleId :

Tot Ion:168 Resp: 79218

Ion Ratio Lower Upper

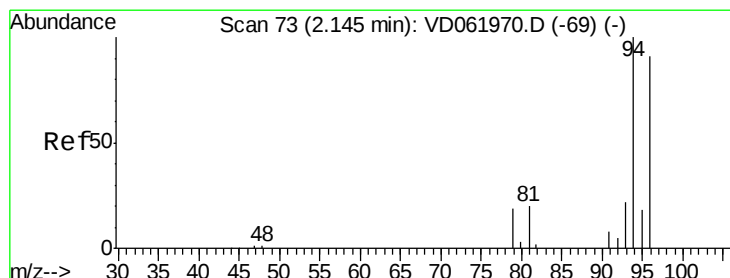
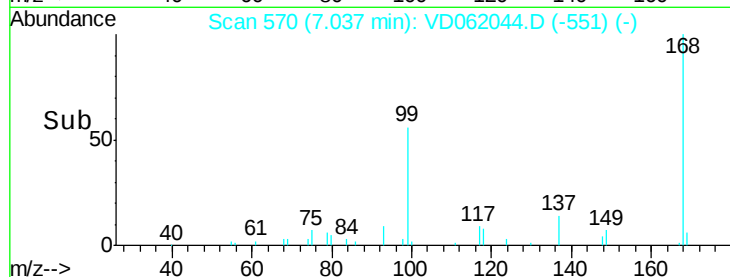
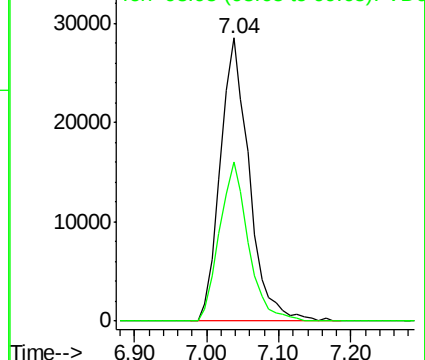
168 100

99 56.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 4.323 ug/l

RT: 2.18 min Scan# 77

Delta R.T. 0.02 min

Lab File: VD062044.D

Acq: 25 Apr 2019 17:51

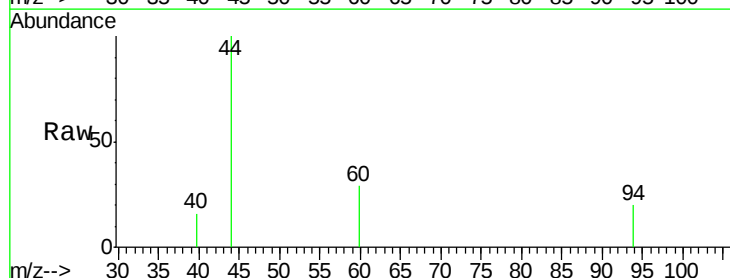
Tgt Ion: 94 Resp: 806

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

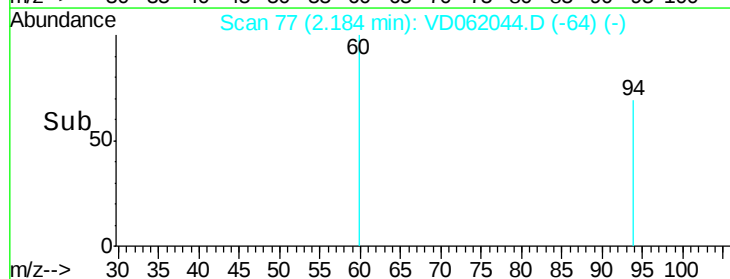
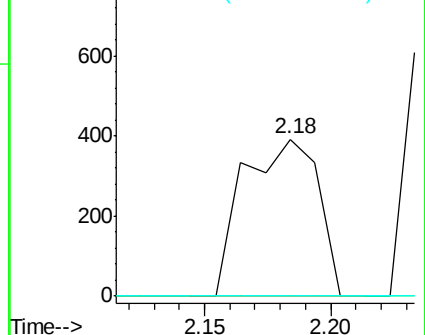
93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#16

Acetone

Concen: 144.354 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD062044.D

Acq: 25 Apr 2019 17:51

Instrument :

MSVOA\_D

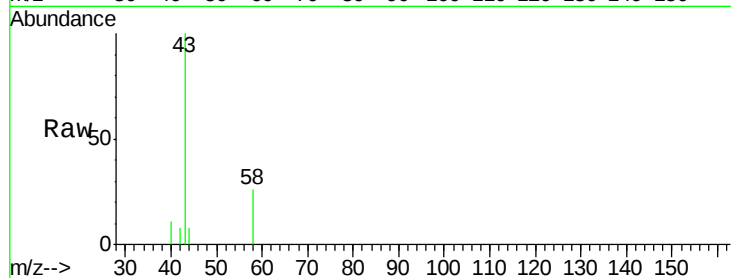
ClientSampleId :

Tot Ion: 43 Resp: 21370

Ion Ratio Lower Upper

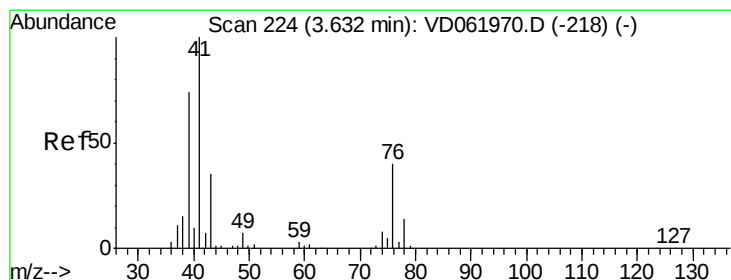
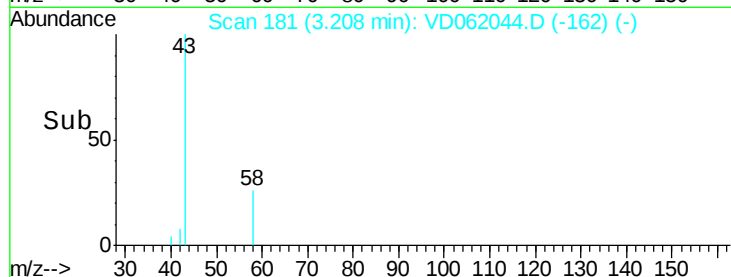
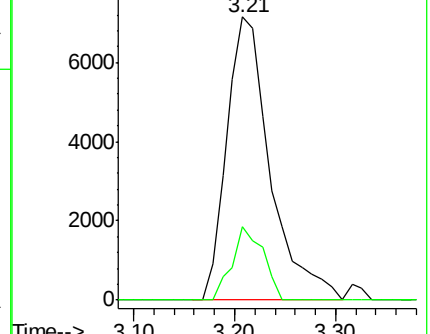
43 100

58 25.8 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD062044.D

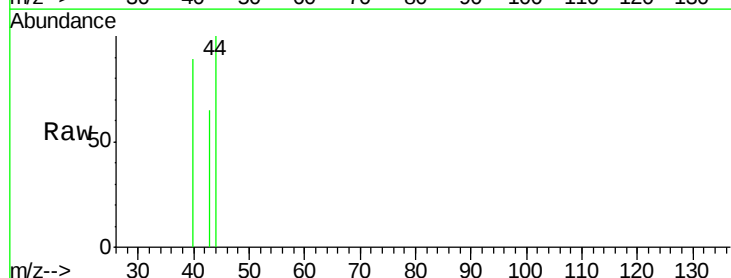
Acq: 25 Apr 2019 17:51

Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

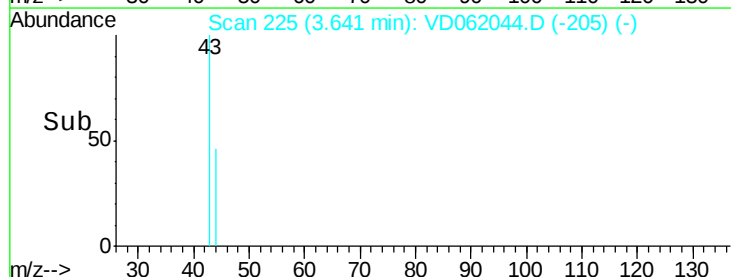
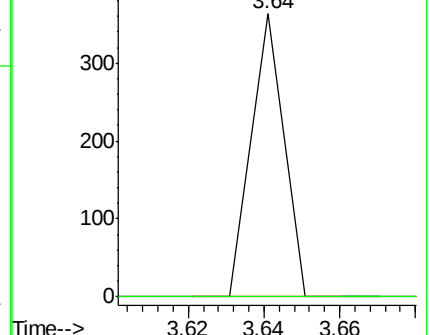
43 100

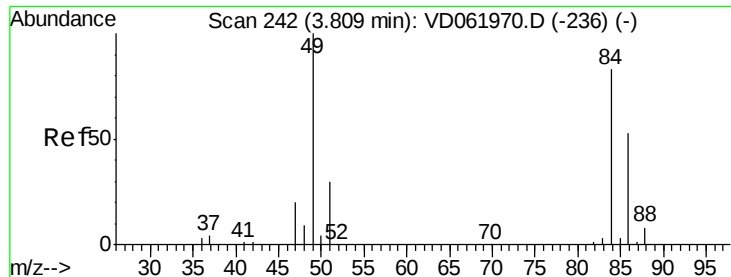
74 0.0 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

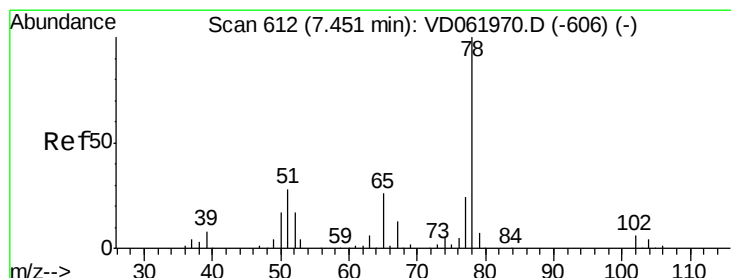
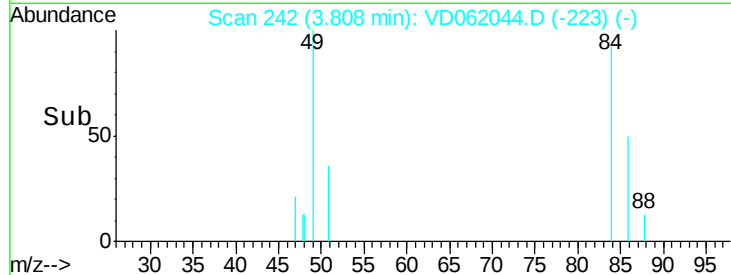
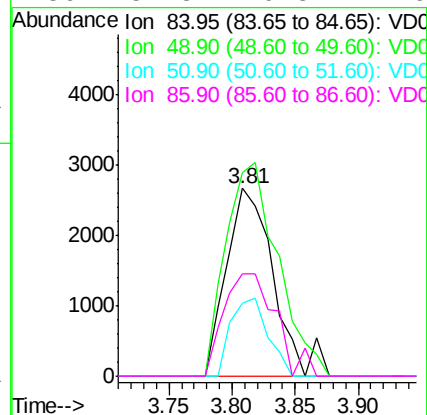
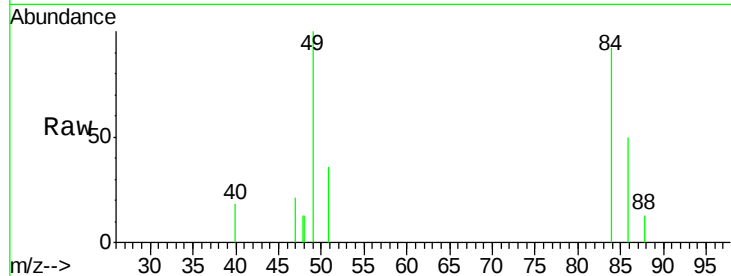




#20  
Methylene Chloride  
Concen: 6.841 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

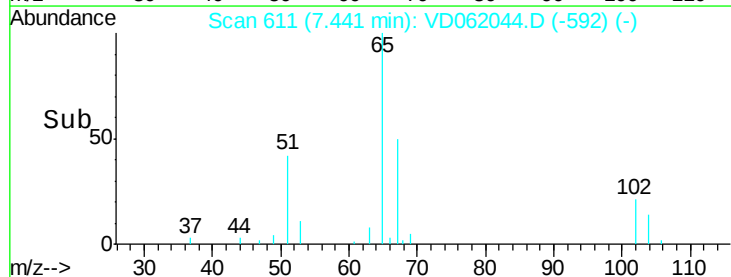
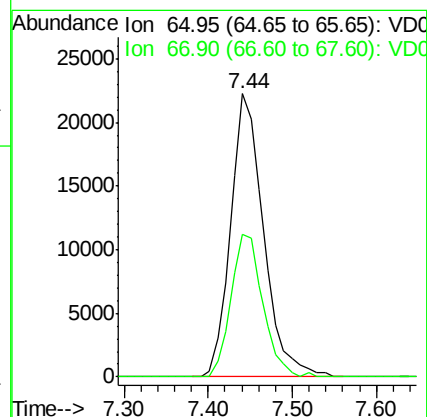
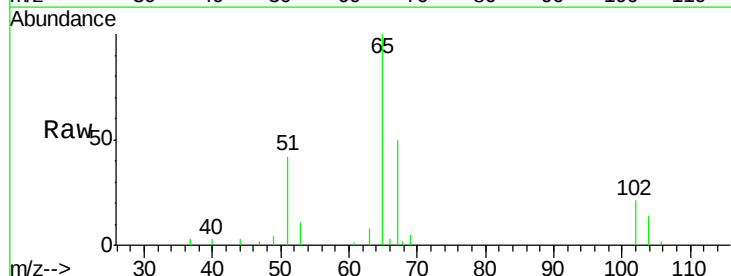
Instrument :  
MSVOA\_D  
ClientSampleId :

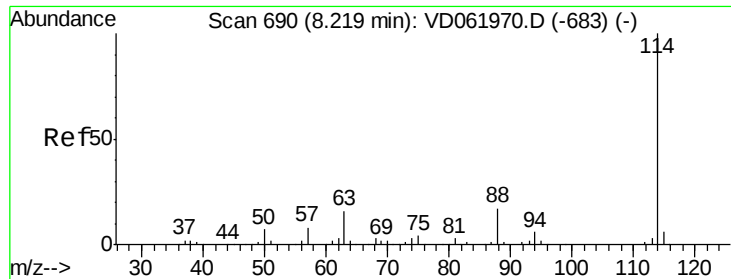
Tot Ion: 84 Resp: 6914  
Ion Ratio Lower Upper  
84 100  
49 108.4 94.0 141.0  
51 39.2 29.0 43.4  
86 54.3 49.8 74.6



#33  
1,2-Dichloroethane-d4  
Concen: 97.393 ug/l  
RT: 7.44 min Scan# 611  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

Tgt Ion: 65 Resp: 60384  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 98.0

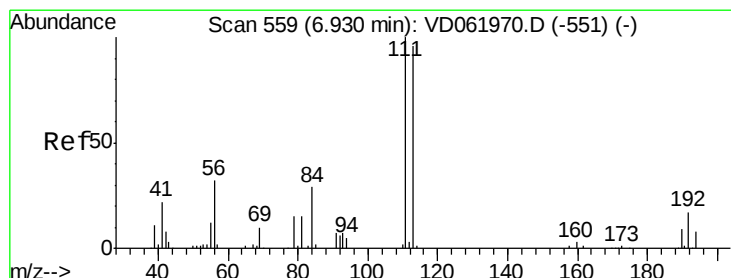
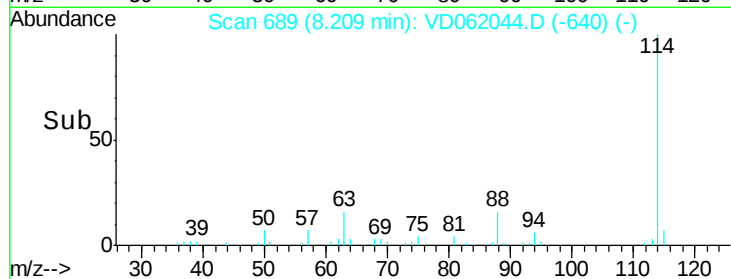
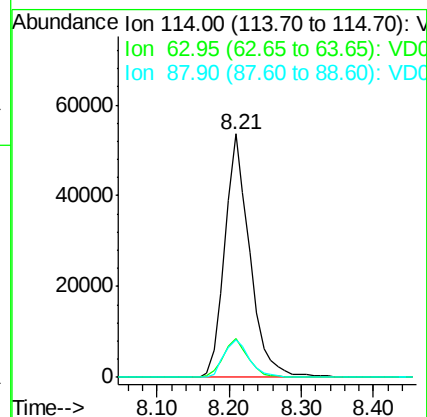
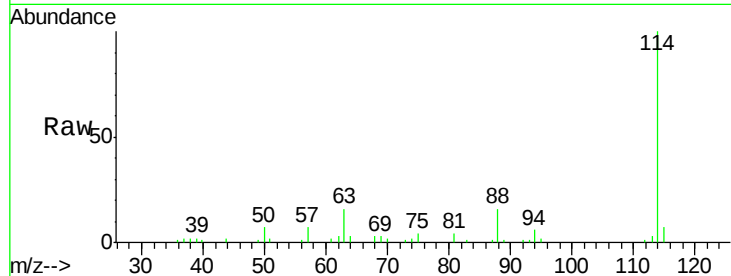




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. -0.01 min  
 Lab File: VD062044.D  
 Acq: 25 Apr 2019 17:51

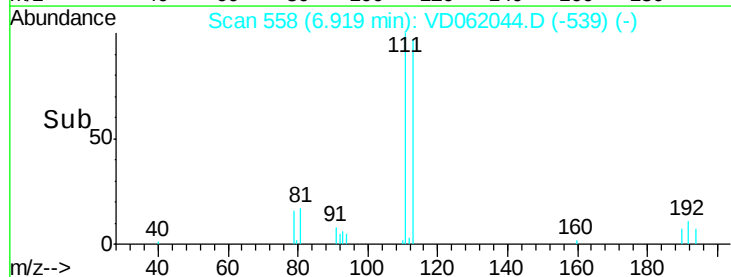
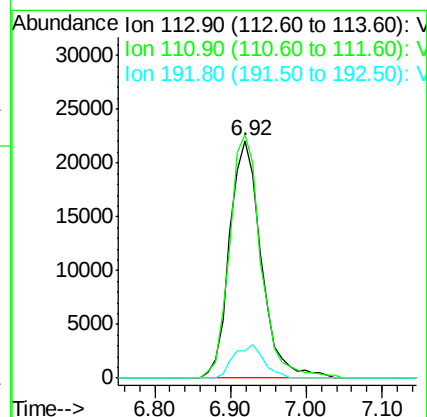
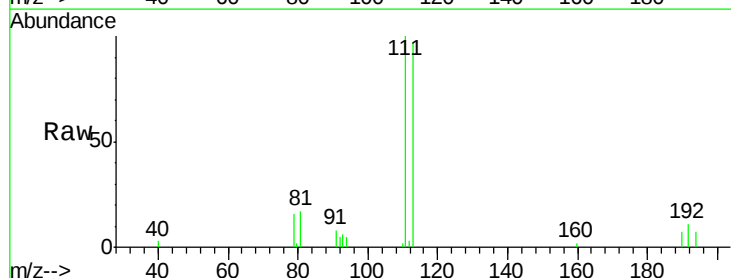
Instrument :  
 MSVOA\_D  
 ClientSampleId :

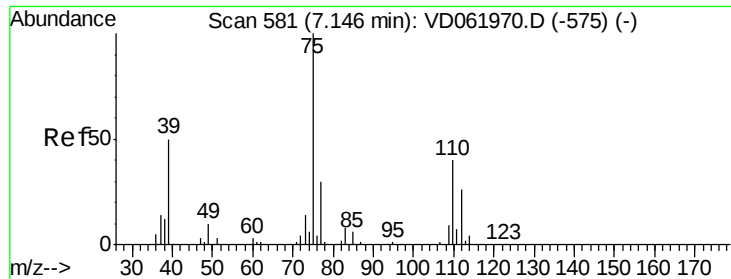
Tot Ion:114 Resp: 128598  
 Ion Ratio Lower Upper  
 114 100  
 63 16.0 0.0 32.4  
 88 15.6 0.0 33.6



#35  
 Dibromofluoromethane  
 Concen: 71.751 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. -0.01 min  
 Lab File: VD062044.D  
 Acq: 25 Apr 2019 17:51

Tgt Ion:113 Resp: 63814  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 78.5 117.7  
 192 11.3 13.0 19.4#

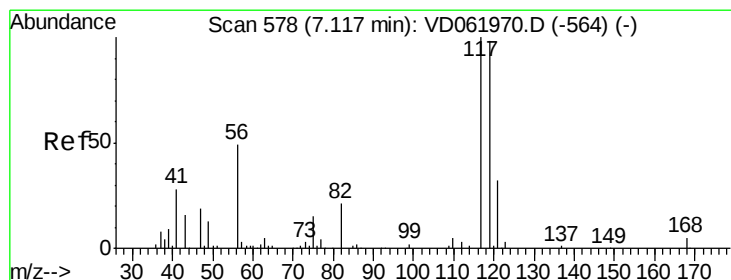
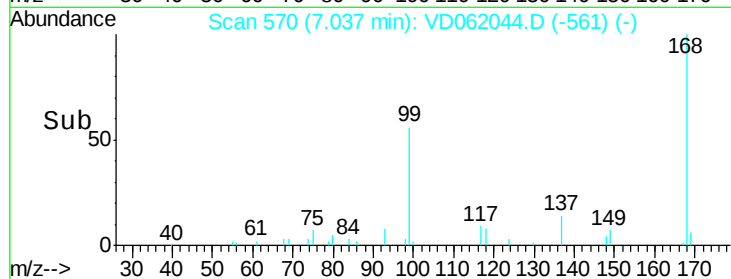
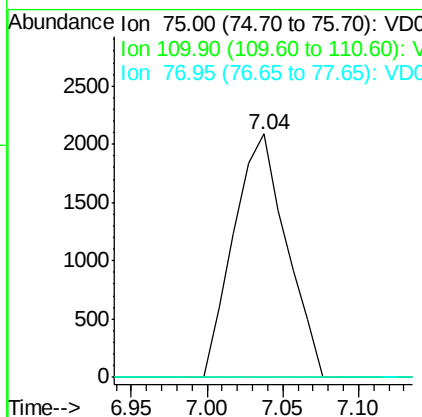
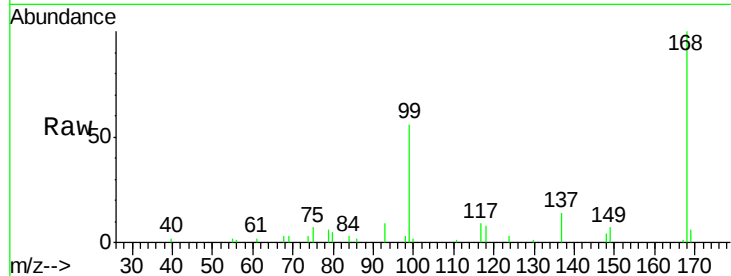




#36  
 1,1-Dichloropropene  
 Concen: 5.064 ug/l  
 RT: 7.04 min Scan# 570  
 Delta R.T. -0.11 min  
 Lab File: VD062044.D  
 Acq: 25 Apr 2019 17:51

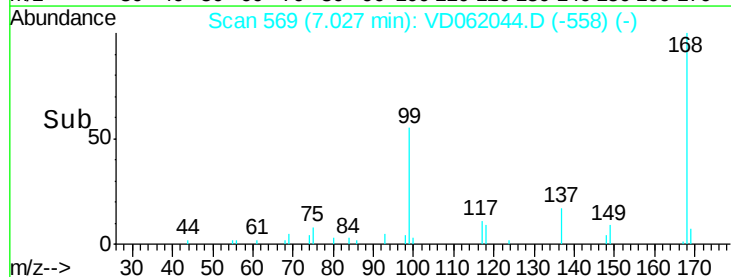
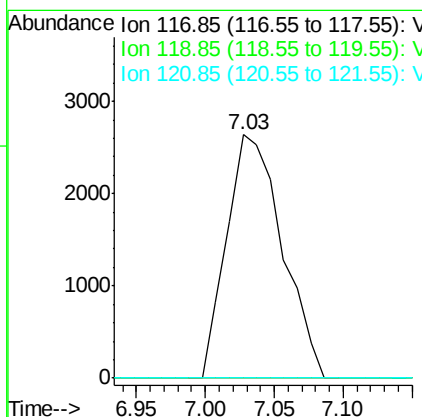
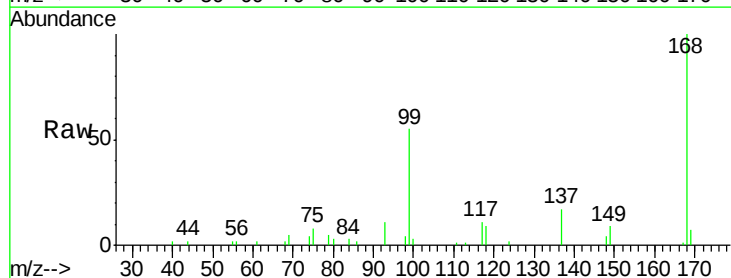
Instrument :  
 MSVOA\_D  
 ClientSampleId :

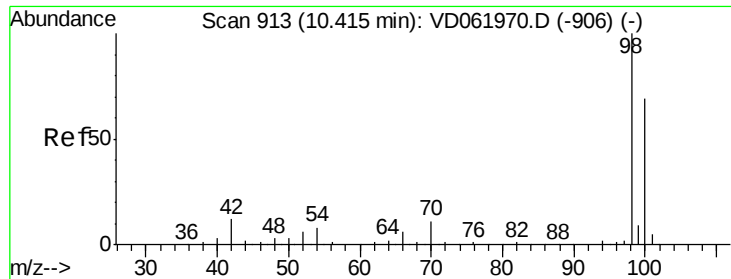
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 0.0   | 19.1  | 57.1# |
| 77      | 0.0   | 25.6  | 38.4# |



#38  
 Carbon Tetrachloride  
 Concen: 5.817 ug/l  
 RT: 7.03 min Scan# 569  
 Delta R.T. -0.09 min  
 Lab File: VD062044.D  
 Acq: 25 Apr 2019 17:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 0.0   | 75.8  | 113.8# |
| 121     | 0.0   | 25.9  | 38.9#  |

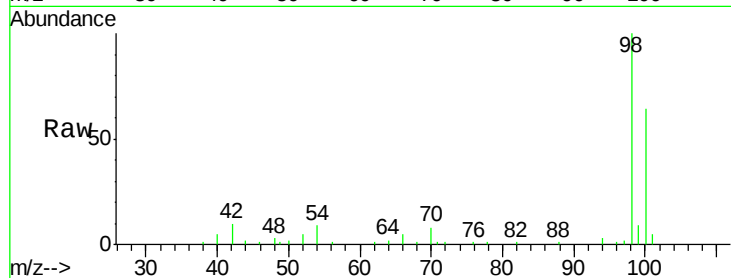




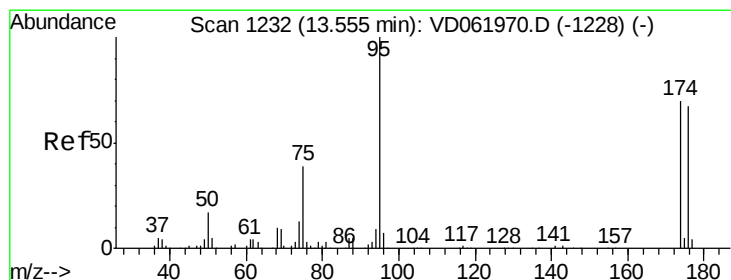
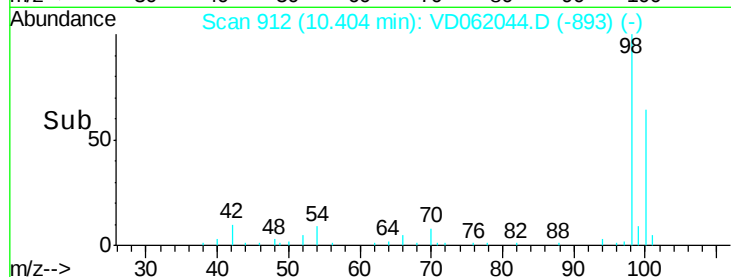
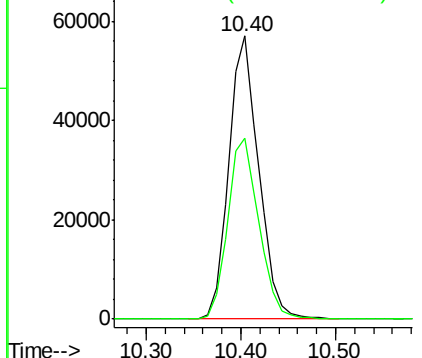
#50  
Toluene-d8  
Concen: 58.837 ug/l  
RT: 10.40 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 98 Resp: 124515  
Ion Ratio Lower Upper  
98 100  
100 63.8 53.8 80.8

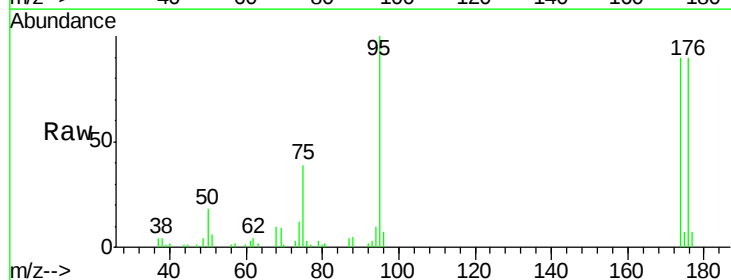


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)  
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

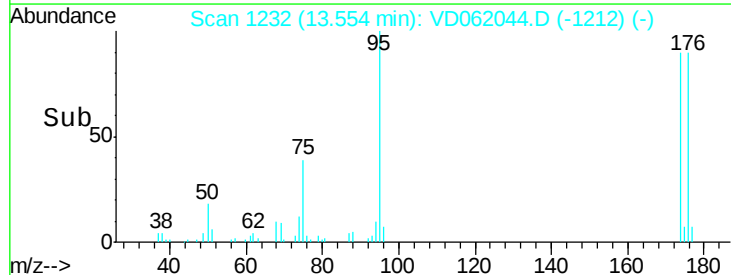
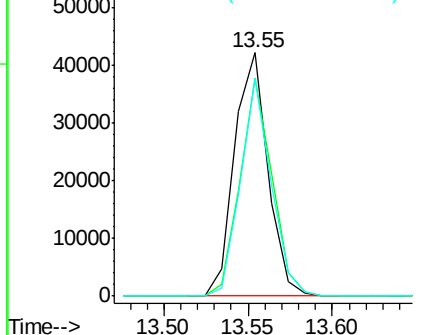


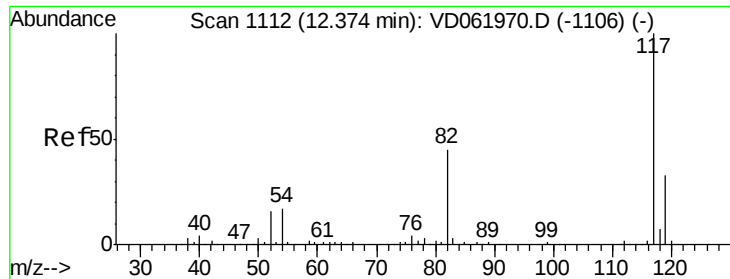
#62  
4-Bromofluorobenzene  
Concen: 68.114 ug/l  
RT: 13.55 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

Tgt Ion: 95 Resp: 57817  
Ion Ratio Lower Upper  
95 100  
174 89.6 0.0 181.8  
176 89.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)  
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)  
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

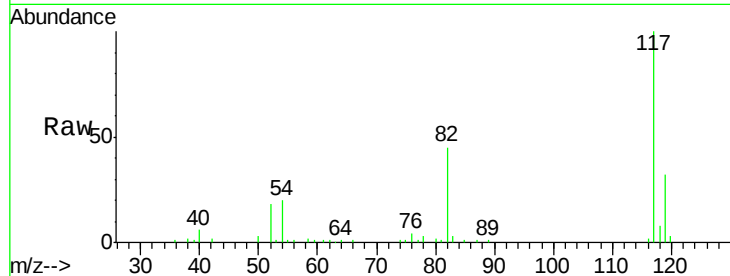




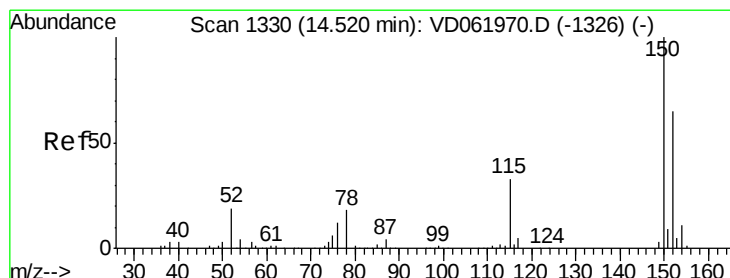
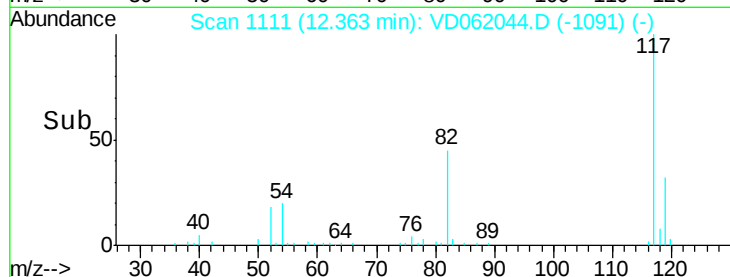
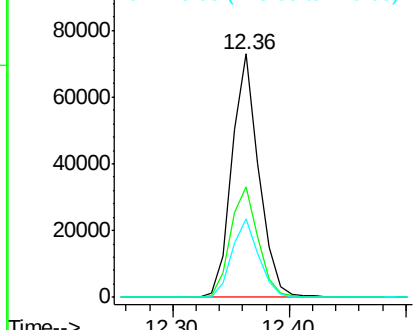
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:117 Resp: 116316  
Ion Ratio Lower Upper  
117 100  
82 45.4 36.2 54.2  
119 32.4 26.2 39.4

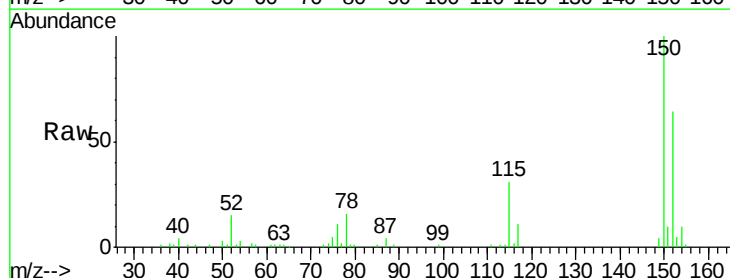


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

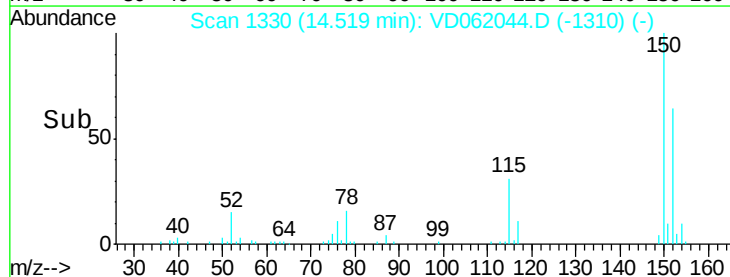
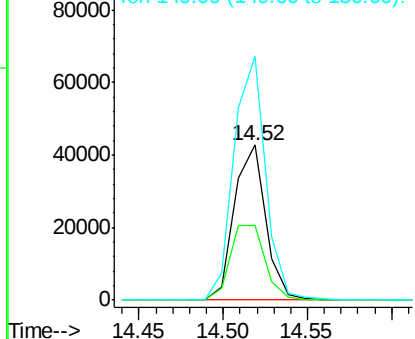


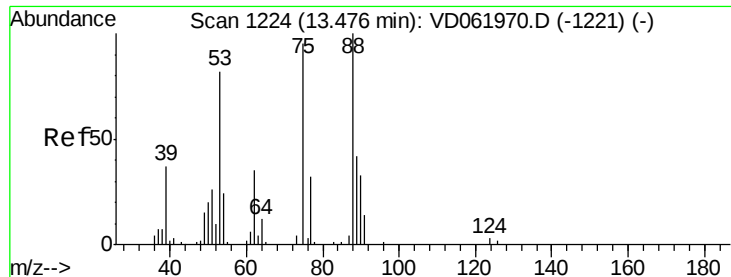
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1330  
Delta R.T. -0.01 min  
Lab File: VD062044.D  
Acq: 25 Apr 2019 17:51

Tgt Ion:152 Resp: 55187  
Ion Ratio Lower Upper  
152 100  
115 48.2 30.9 92.7  
150 157.3 0.0 314.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 106.669 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062044.D

Acq: 25 Apr 2019 17:51

Instrument :

MSVOA\_D

ClientSampleId :

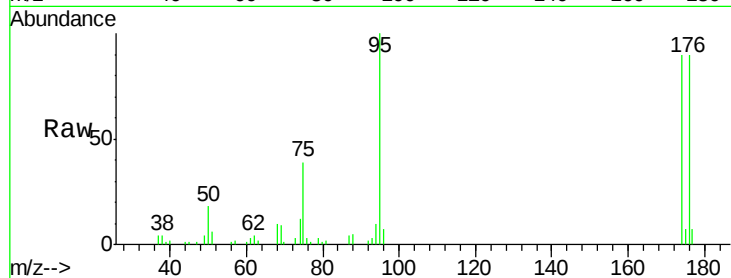
Tot Ion: 75 Resp: 22653

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

