

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\  
 Data File : VD062449.D  
 Acq On : 17 May 2019 20:07  
 Operator : FY/SY  
 Sample : K2905-14  
 Misc : 6.42g/5mL/MSVOA D/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GIS-3-4FT

Quant Time: May 18 01:02:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 07 14:26:29 2019  
 Response via : Initial Calibration

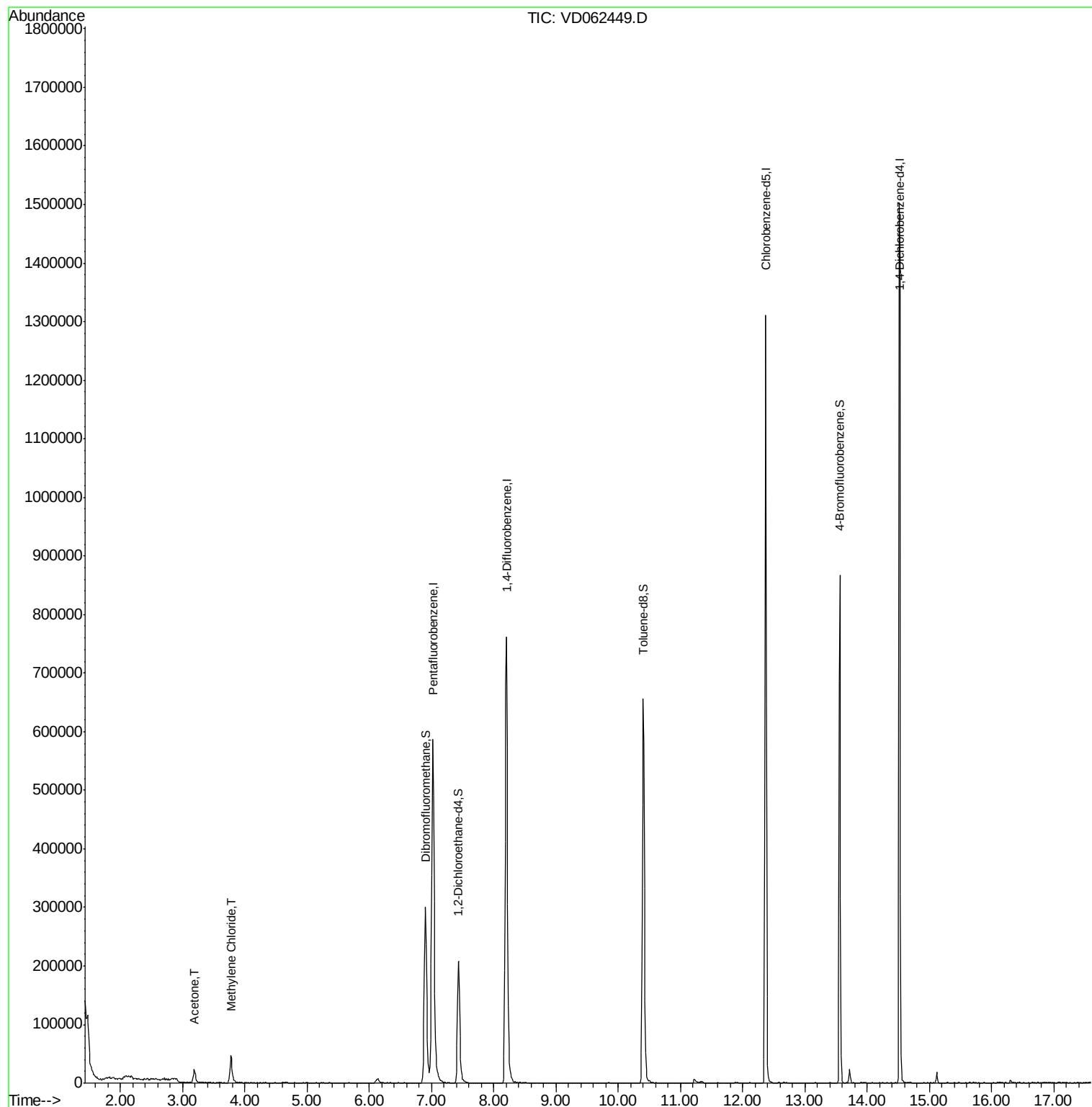
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.02  | 168  | 596522   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.21  | 114  | 829997   | 50.00  | ug/l   | 0.01     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 733814   | 50.00  | ug/l   | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 368594   | 50.00  | ug/l   | 0.01     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.43  | 65   | 242979   | 43.83  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.66% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 276159   | 40.10  | ug/l   | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.20% |          |
| 50) Toluene-d8              | 10.40 | 98   | 562413   | 33.87  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.74% |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 253815   | 38.07  | ug/l   | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 76.14% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.19  | 43   | 43313    | 37.257 | ug/l # | 80       |
| 20) Methylene Chloride      | 3.78  | 84   | 30047    | 6.190  | ug/l # | 81       |

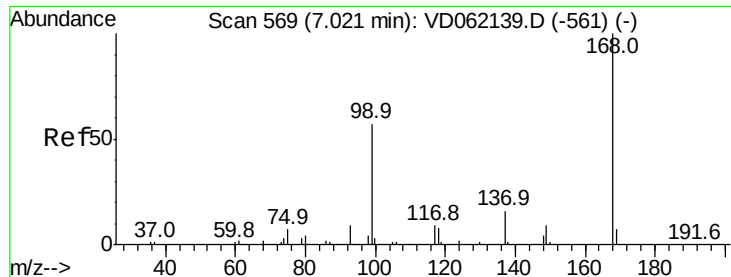
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051719\  
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Instrument :  
MSVOA\_D  
ClientSampled :  
GIS-3-4FT

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Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062449.D

Acq: 17 May 2019 20:07

Instrument :

MSVOA\_D

ClientSampleId :

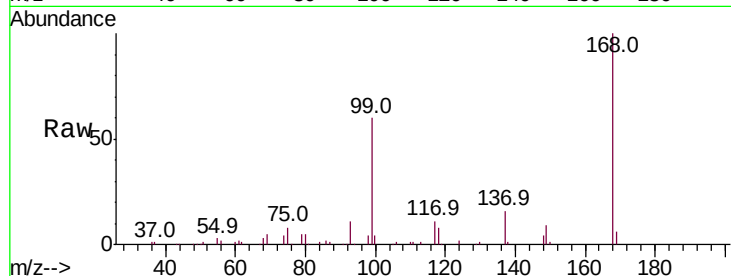
GIS-3-4FT

Tot Ion:168 Resp: 596522

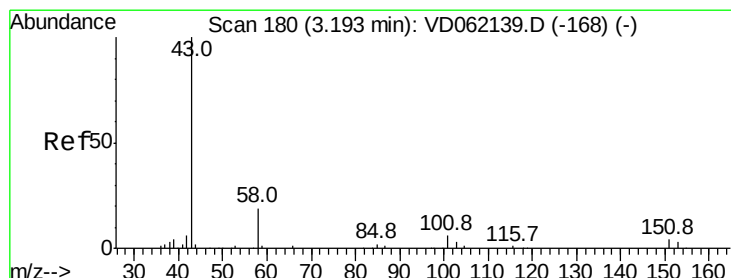
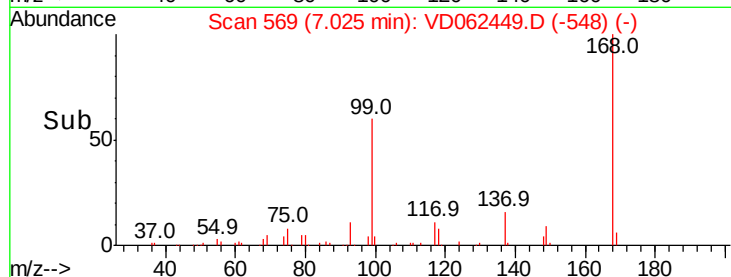
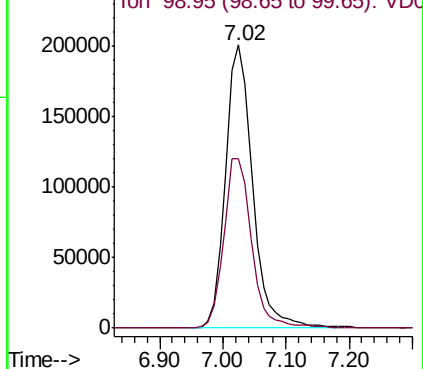
Ion Ratio Lower Upper

168 100

99 60.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V



#16

Acetone

Concen: 37.257 ug/l

RT: 3.19 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD062449.D

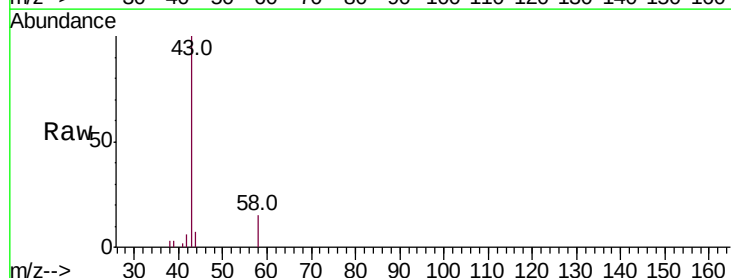
Acq: 17 May 2019 20:07

Tgt Ion: 43 Resp: 43313

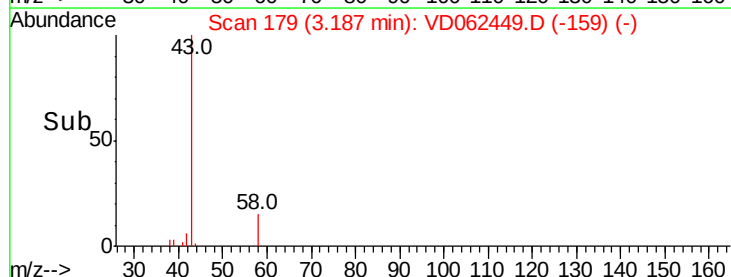
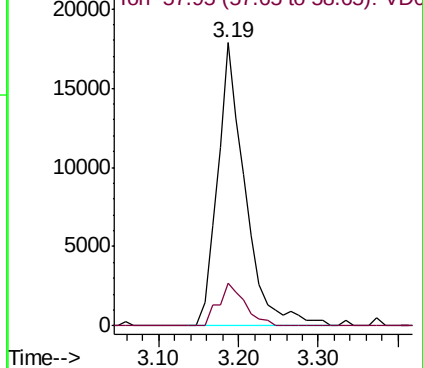
Ion Ratio Lower Upper

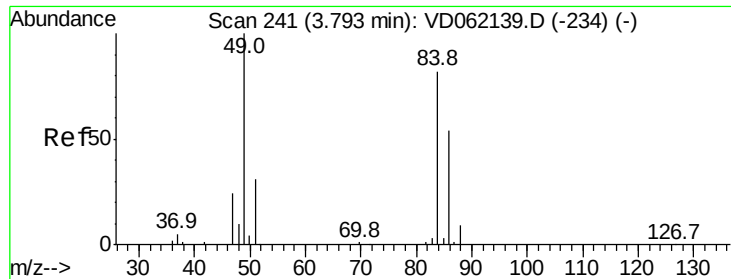
43 100

58 15.1 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

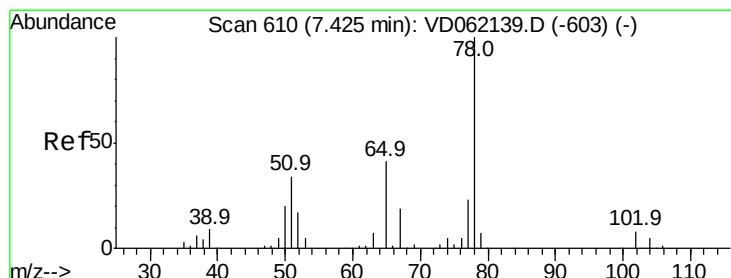
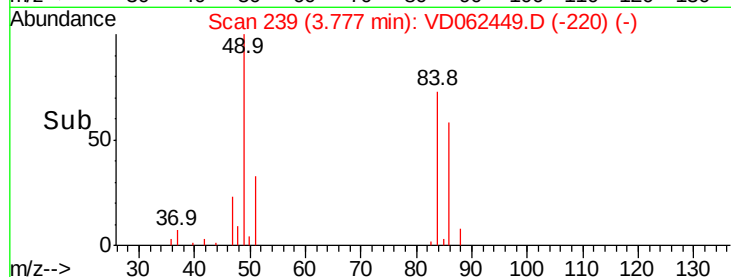
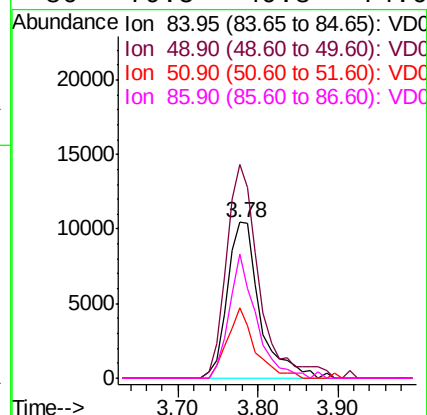
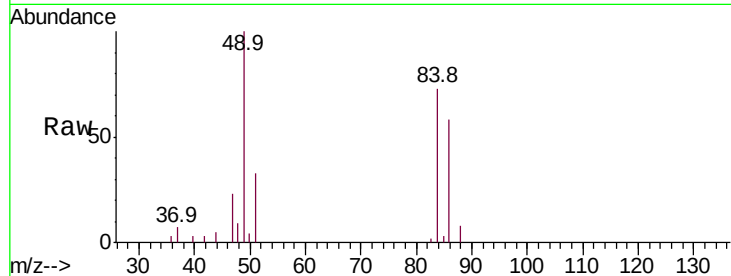




#20  
Methylene Chloride  
Concen: 6.190 ug/l  
RT: 3.78 min Scan# 239  
Delta R.T. -0.02 min  
Lab File: VD062449.D  
Acq: 17 May 2019 20:07

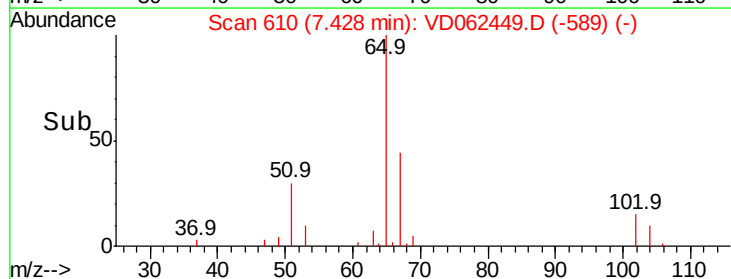
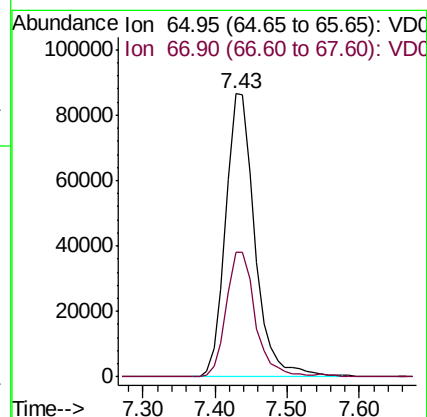
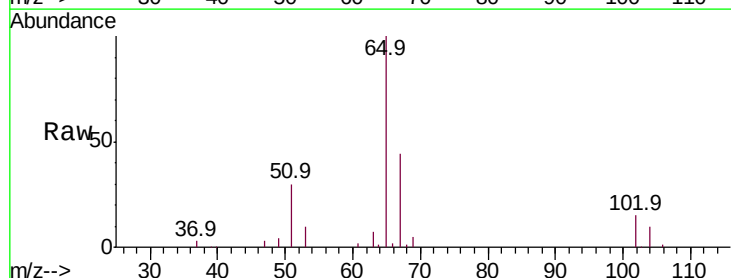
Instrument :  
MSVOA\_D  
ClientSampleId :  
GIS-3-4FT

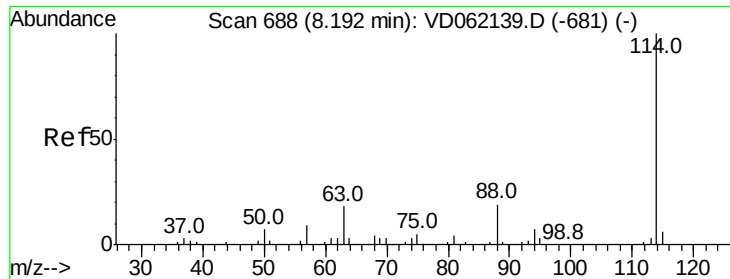
Tot Ion: 84 Resp: 30047  
Ion Ratio Lower Upper  
84 100  
49 137.1 94.0 141.0  
51 45.2 29.0 43.4#  
86 79.5 49.8 74.6#



#33  
1,2-Dichloroethane-d4  
Concen: 43.831 ug/l  
RT: 7.43 min Scan# 610  
Delta R.T. 0.00 min  
Lab File: VD062449.D  
Acq: 17 May 2019 20:07

Tgt Ion: 65 Resp: 242979  
Ion Ratio Lower Upper  
65 100  
67 44.1 0.0 98.0

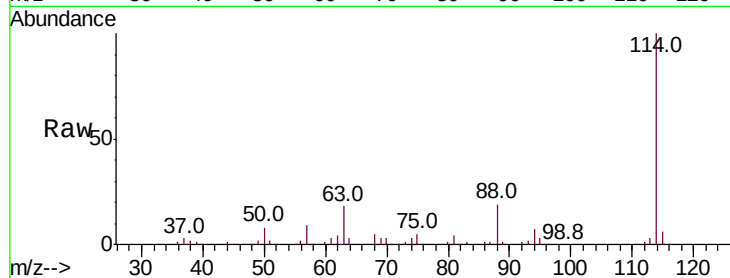




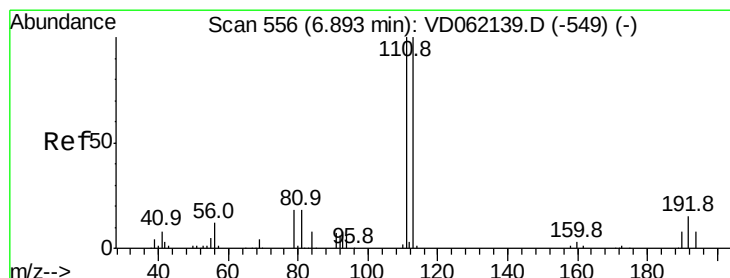
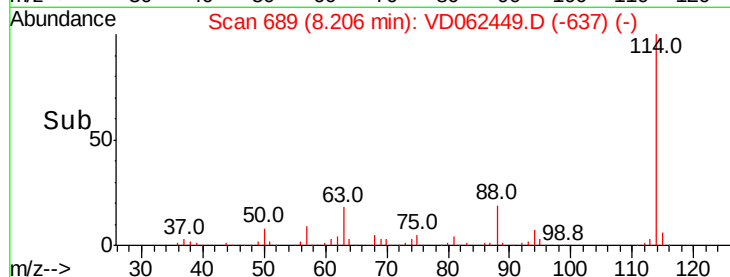
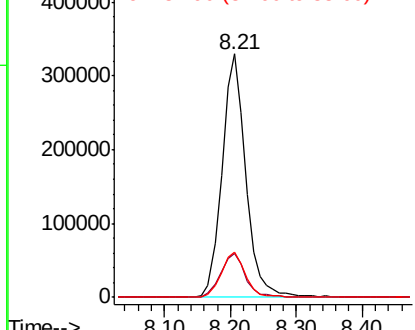
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.21 min Scan# 689  
 Delta R.T. 0.01 min  
 Lab File: VD062449.D  
 Acq: 17 May 2019 20:07

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 GIS-3-4FT

Tot Ion:114 Resp: 829997  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 32.4  
 88 18.6 0.0 33.6

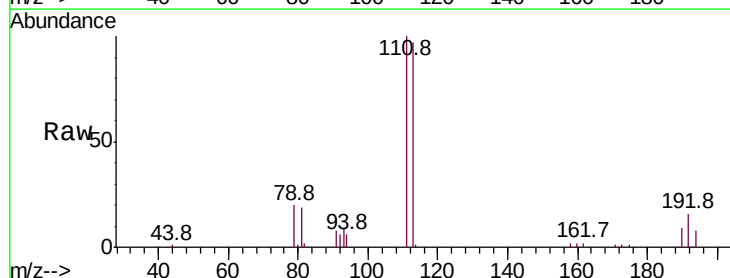


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): V  
 Ion 87.90 (87.60 to 88.60): V

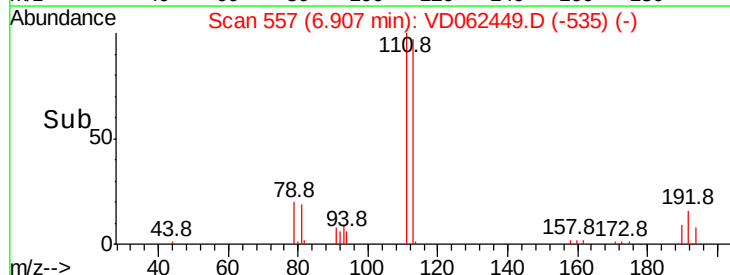
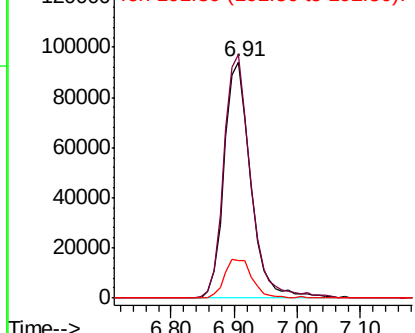


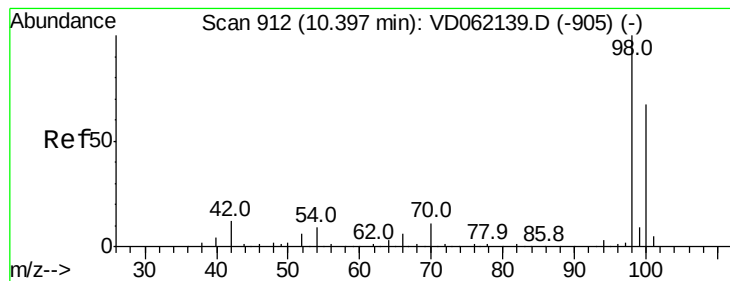
#35  
 Dibromofluoromethane  
 Concen: 40.101 ug/l  
 RT: 6.91 min Scan# 557  
 Delta R.T. 0.01 min  
 Lab File: VD062449.D  
 Acq: 17 May 2019 20:07

Tgt Ion:113 Resp: 276159  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 78.5 117.7  
 192 16.2 13.0 19.4



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





#50

Toluene-d8

Concen: 33.872 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD062449.D

Acq: 17 May 2019 20:07

Instrument :

MSVOA\_D

ClientSampled :

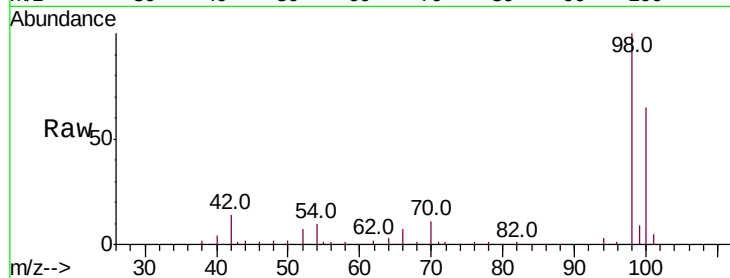
GIS-3-4FT

Tot Ion: 98 Resp: 562413

Ion Ratio Lower Upper

98 100

100 65.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)

Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

10.40

250000

200000

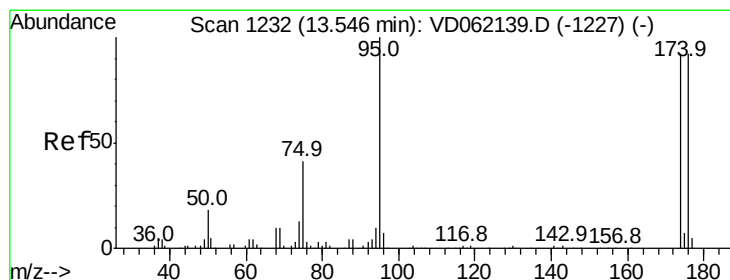
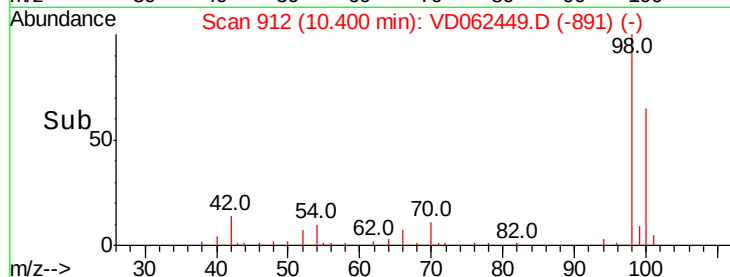
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.067 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062449.D

Acq: 17 May 2019 20:07

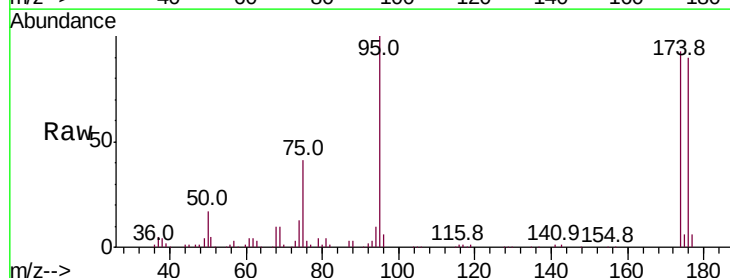
Tgt Ion: 95 Resp: 253815

Ion Ratio Lower Upper

95 100

174 93.3 0.0 181.8

176 90.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)

Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)

Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

13.56

250000

200000

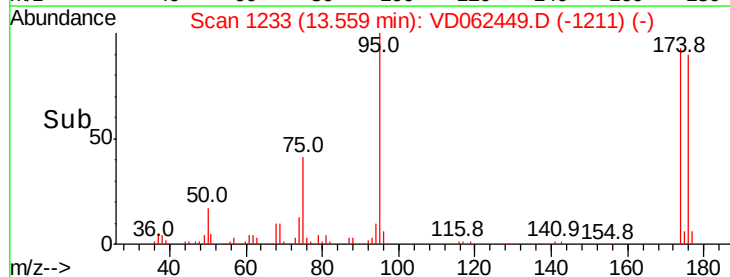
150000

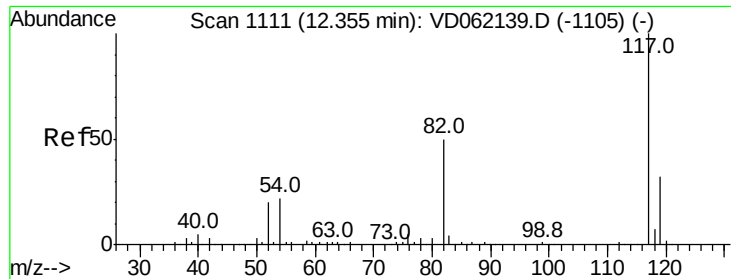
100000

50000

0

Time-->

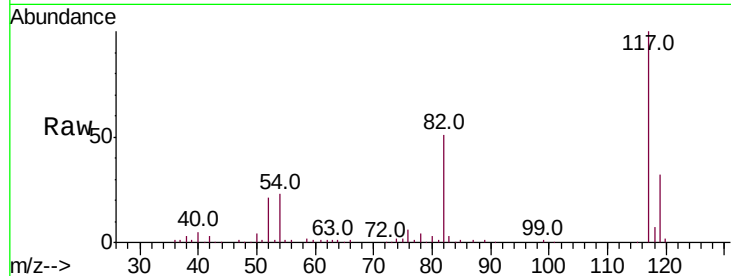




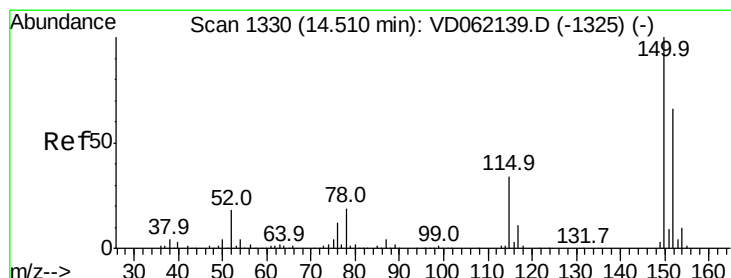
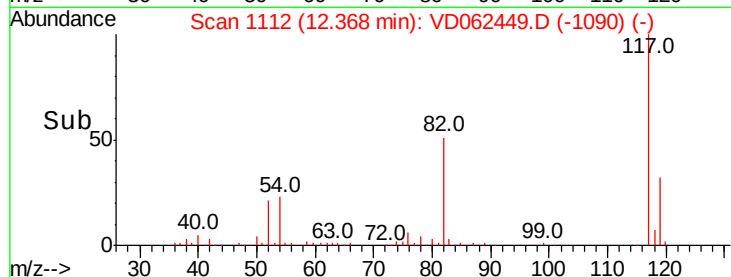
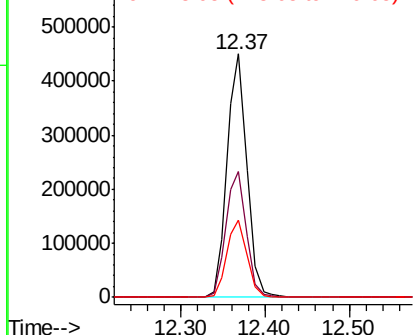
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD062449.D  
Acq: 17 May 2019 20:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
GIS-3-4FT

Tot Ion:117 Resp: 733814  
Ion Ratio Lower Upper  
117 100  
82 51.5 36.2 54.2  
119 31.6 26.2 39.4

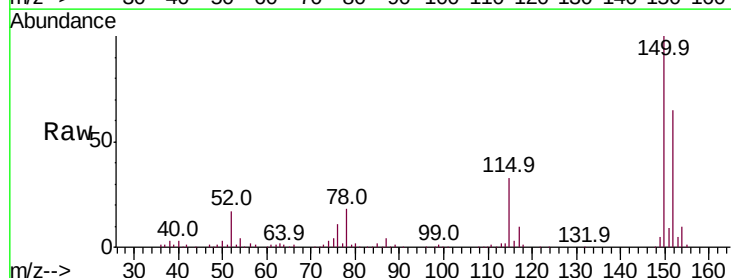


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.52 min Scan# 1331  
Delta R.T. 0.01 min  
Lab File: VD062449.D  
Acq: 17 May 2019 20:07

Tgt Ion:152 Resp: 368594  
Ion Ratio Lower Upper  
152 100  
115 51.0 30.9 92.7  
150 152.9 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

