

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051219\  
 Data File : VD062263.D  
 Acq On : 12 May 2019 17:10  
 Operator : FY/SY  
 Sample : K2733-08  
 Misc : 6.26g/5mL/MSVOA D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P021-SS001-1824-01

Quant Time: May 15 05:25:29 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

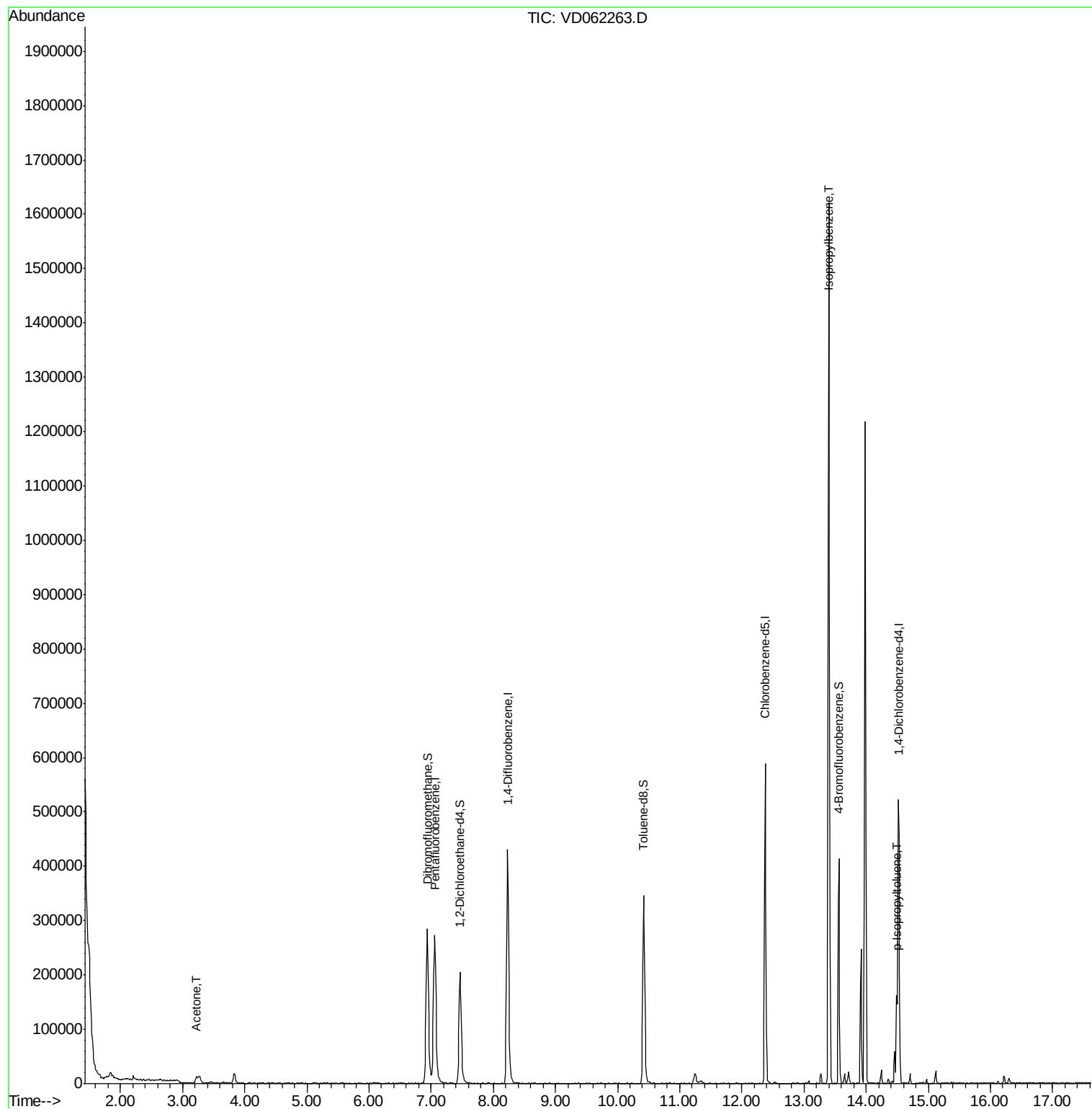
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.06  | 168  | 277891   | 50.00  | ug/l    | 0.04     |
| 34) 1,4-Difluorobenzene     | 8.23  | 114  | 468198   | 50.00  | ug/l    | 0.04     |
| 63) Chlorobenzene-d5        | 12.37 | 117  | 309913   | 50.00  | ug/l    | 0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 14.52 | 152  | 106956   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 231645   | 89.70  | ug/l    | 0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 179.40% |          |
| 35) Dibromofluoromethane    | 6.94  | 113  | 253282   | 65.20  | ug/l    | 0.05     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 130.40% |          |
| 50) Toluene-d8              | 10.42 | 98   | 300430   | 32.08  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 64.16%  |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 121582   | 32.33  | ug/l    | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 64.66%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.22  | 43   | 24551    | 45.333 | ug/l #  | 84       |
| 73) Isopropylbenzene        | 13.40 | 105  | 59122    | 9.222  | ug/l #  | 61       |
| 86) p-Isopropyltoluene      | 14.49 | 119  | 80469    | 13.537 | ug/l    | 90       |

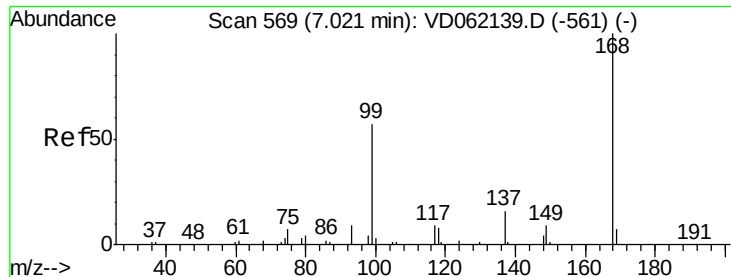
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD051219\  
Data File : VD062263.D  
Acq On : 12 May 2019 17:10  
Operator : FY/SY  
Sample : K2733-08  
Misc : 6.26g/5mL/MSVOA D/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
P021-SS001-1824-01

Quant Time: May 15 05:25:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
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: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062263.D

Acq: 12 May 2019 17:10

Instrument :

MSVOA\_D

ClientSampleId :

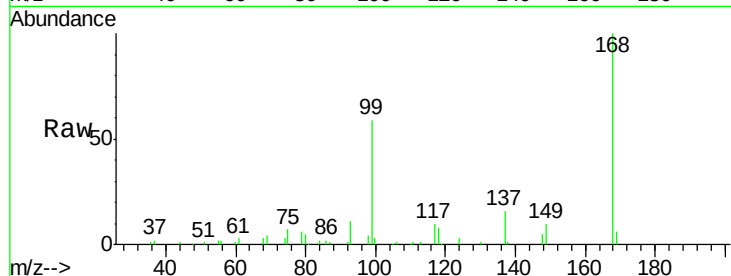
P021-SS001-1824-01

Tot Ion:168 Resp: 277891

Ion Ratio Lower Upper

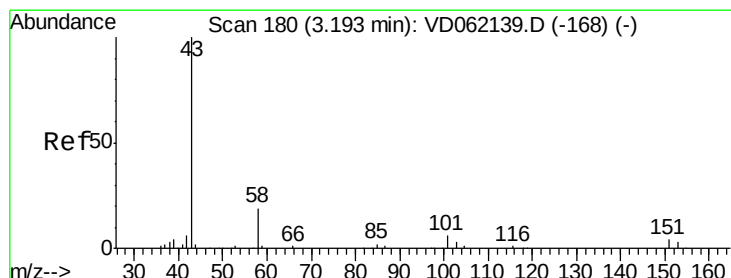
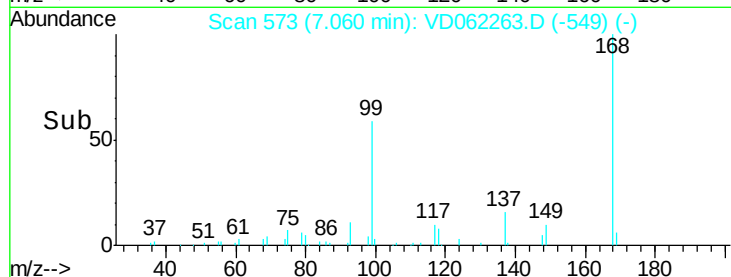
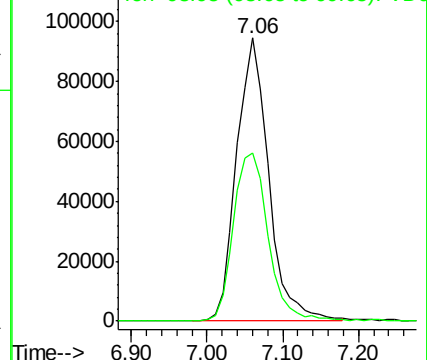
168 100

99 59.4 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 45.333 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062263.D

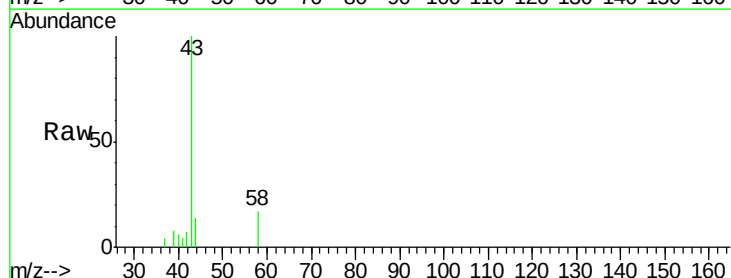
Acq: 12 May 2019 17:10

Tgt Ion: 43 Resp: 24551

Ion Ratio Lower Upper

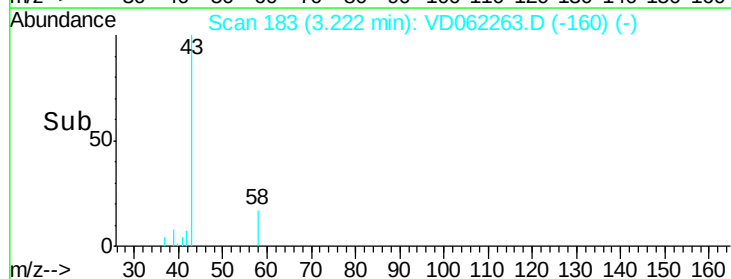
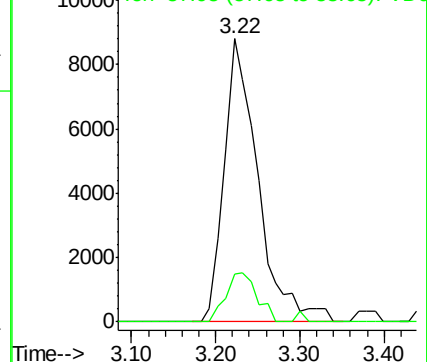
43 100

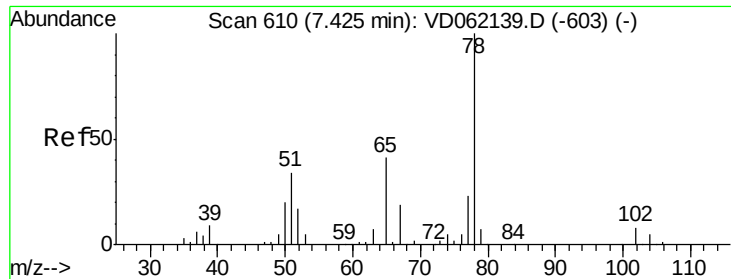
58 16.7 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

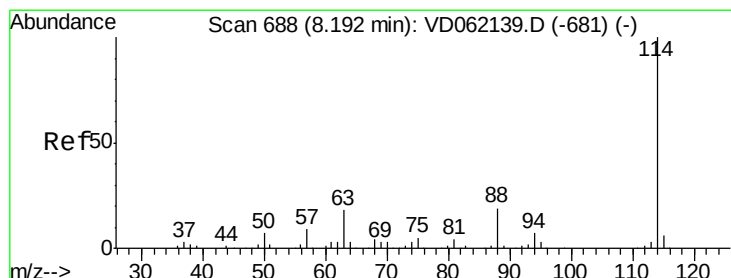
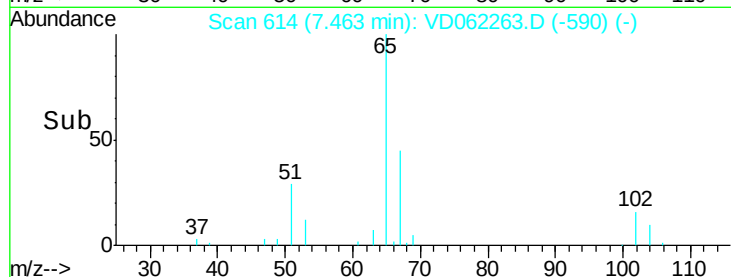
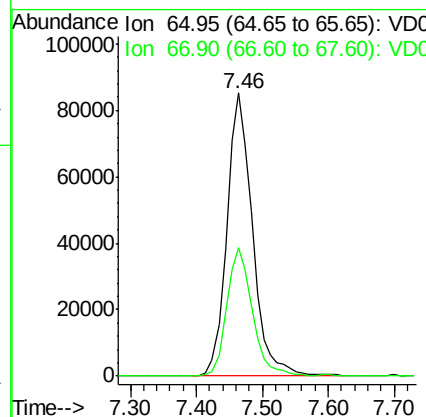
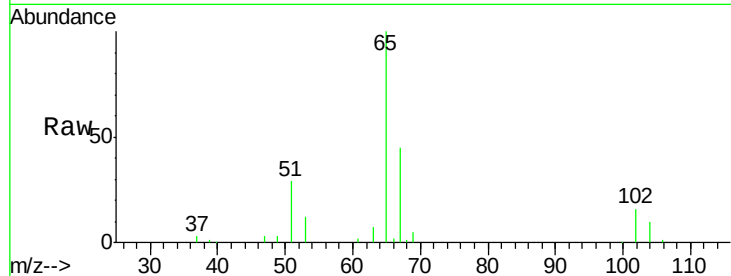




#33  
 1,2-Dichloroethane-d4  
 Concen: 89.699 ug/l  
 RT: 7.46 min Scan# 614  
 Delta R.T. 0.04 min  
 Lab File: VD062263.D  
 Acq: 12 May 2019 17:10

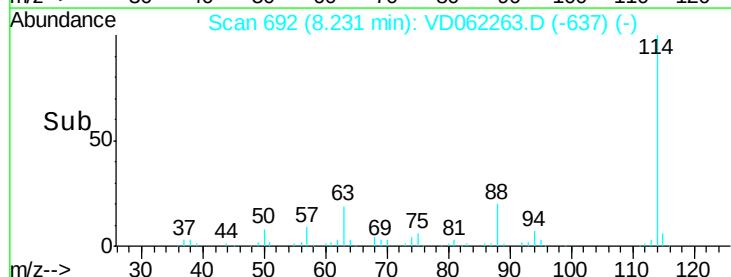
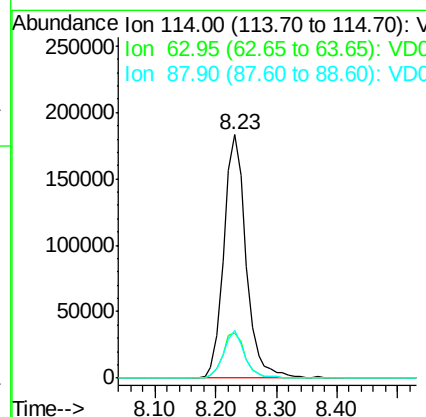
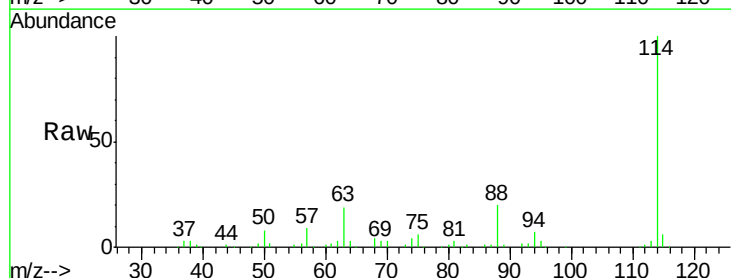
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P021-SS001-1824-01

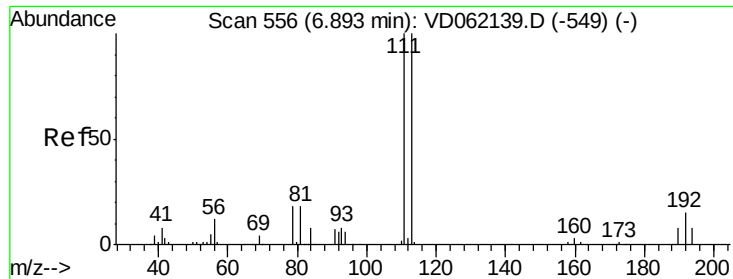
Tot Ion: 65 Resp: 231645  
 Ion Ratio Lower Upper  
 65 100  
 67 45.2 0.0 98.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 692  
 Delta R.T. 0.04 min  
 Lab File: VD062263.D  
 Acq: 12 May 2019 17:10

Tgt Ion: 114 Resp: 468198  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 32.4  
 88 19.8 0.0 33.6

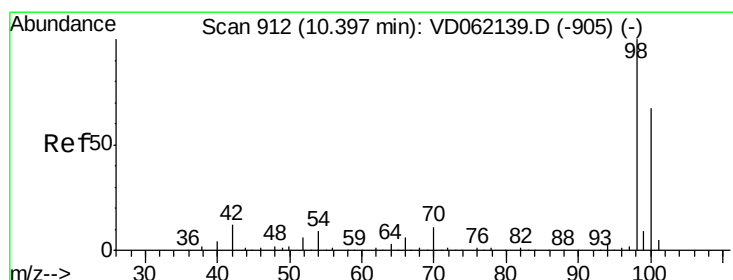
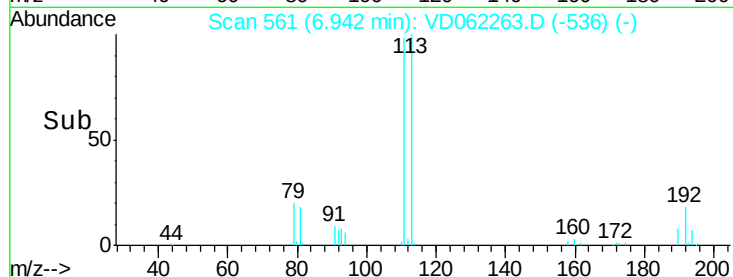
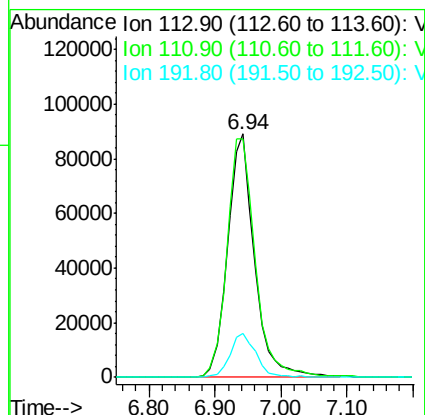
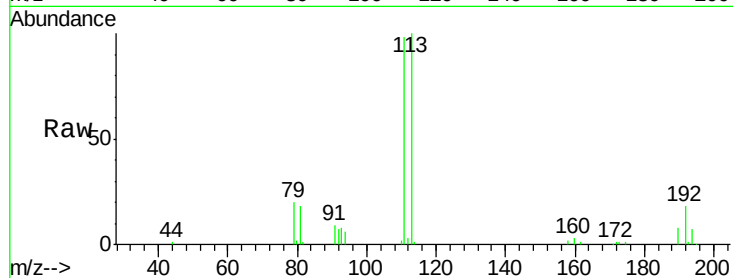




#35  
Dibromofluoromethane  
Concen: 65.200 ug/l  
RT: 6.94 min Scan# 561  
Delta R.T. 0.05 min  
Lab File: VD062263.D  
Acq: 12 May 2019 17:10

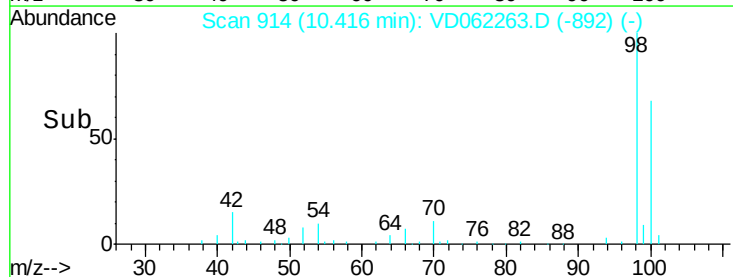
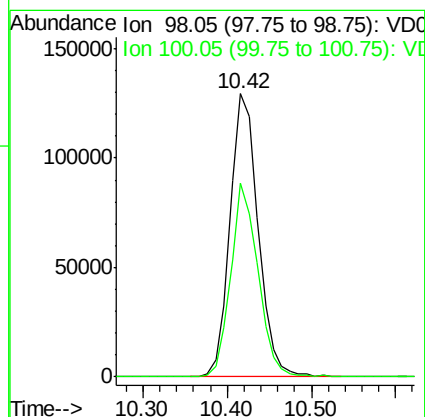
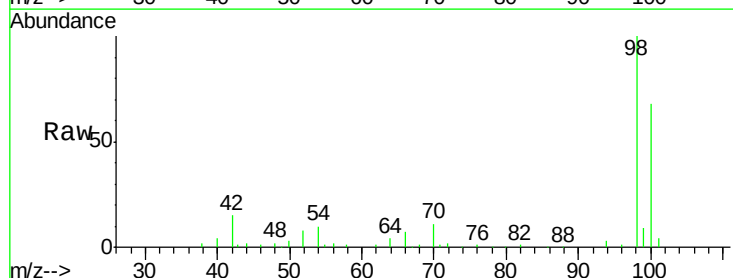
Instrument :  
MSVOA\_D  
ClientSampleId :  
P021-SS001-1824-01

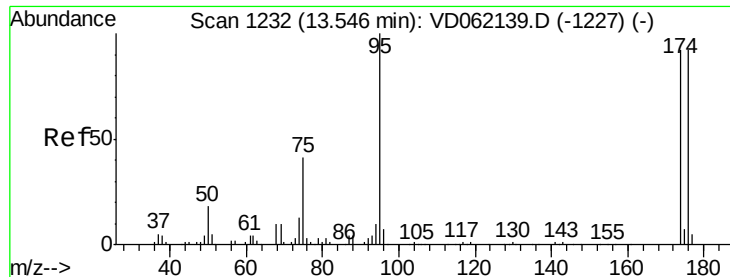
Tot Ion:113 Resp: 253282  
Ion Ratio Lower Upper  
113 100  
111 97.8 78.5 117.7  
192 18.0 13.0 19.4



#50  
Toluene-d8  
Concen: 32.076 ug/l  
RT: 10.42 min Scan# 914  
Delta R.T. 0.02 min  
Lab File: VD062263.D  
Acq: 12 May 2019 17:10

Tgt Ion: 98 Resp: 300430  
Ion Ratio Lower Upper  
98 100  
100 68.3 53.8 80.8





#62

4-Bromofluorobenzene

Concen: 32.326 ug/l

RT: 13.56 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062263.D

Acq: 12 May 2019 17:10

Instrument :

MSVOA\_D

ClientSampleId :

P021-SS001-1824-01

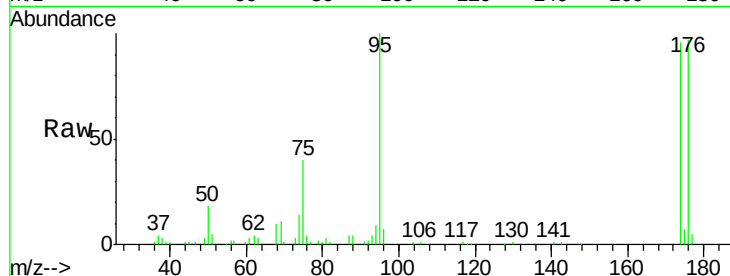
Tot Ion: 95 Resp: 121582

Ion Ratio Lower Upper

95 100

174 95.6 0.0 181.8

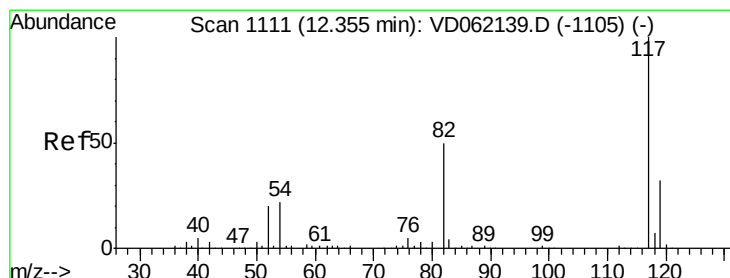
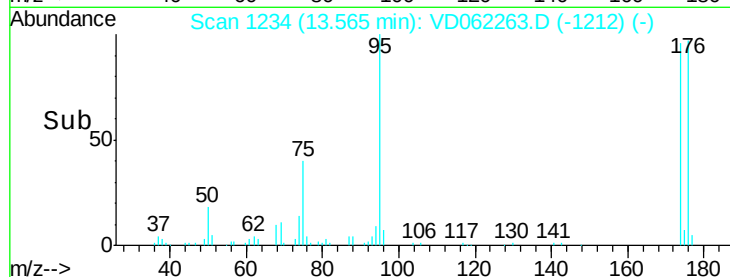
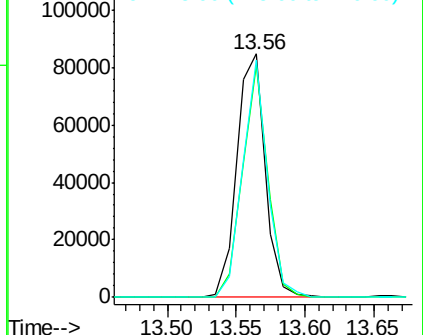
176 97.2 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062263.D

Acq: 12 May 2019 17:10

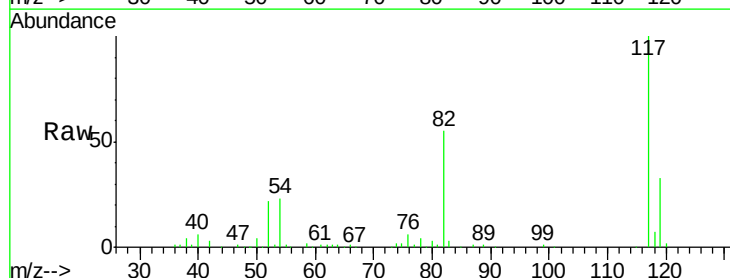
Tgt Ion: 117 Resp: 309913

Ion Ratio Lower Upper

117 100

82 55.3 36.2 54.2#

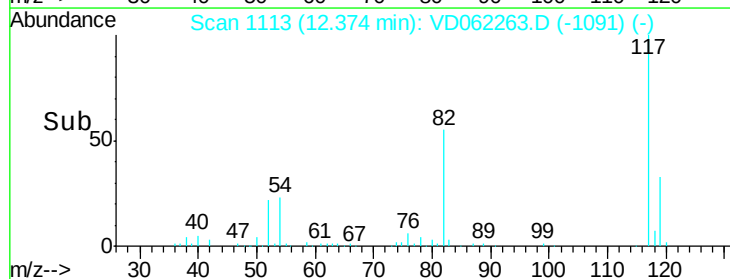
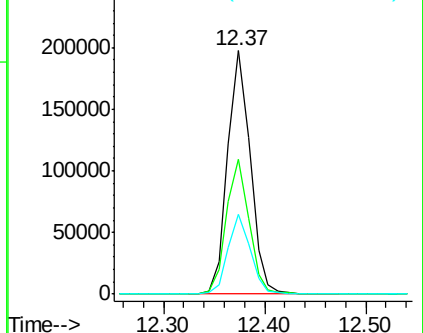
119 32.7 26.2 39.4

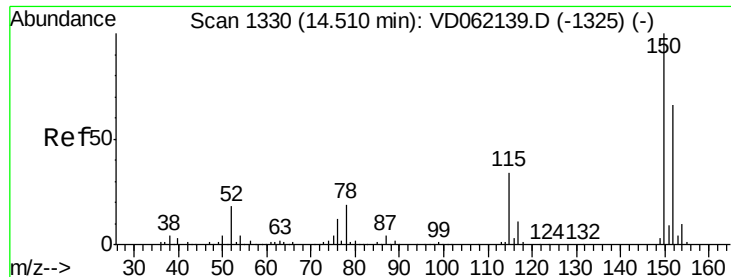


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062263.D

Acq: 12 May 2019 17:10

Instrument :

MSVOA\_D

ClientSampleId :

P021-SS001-1824-01

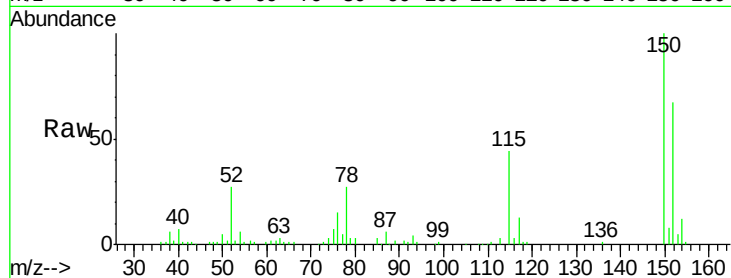
Tot Ion:152 Resp: 106956

Ion Ratio Lower Upper

152 100

115 65.1 30.9 92.7

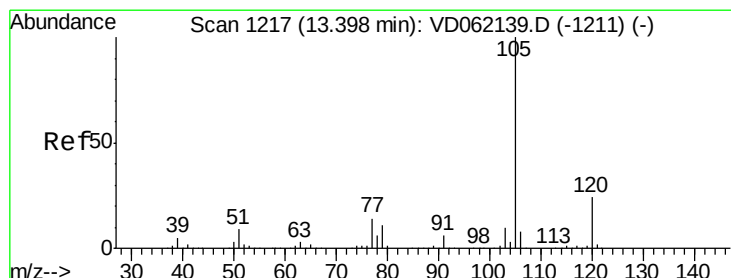
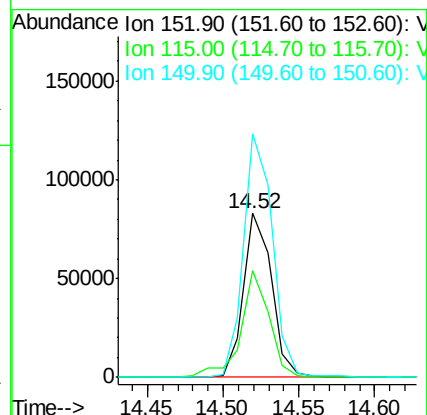
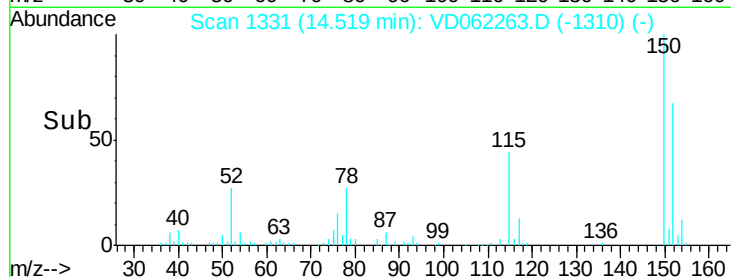
150 148.6 0.0 314.8



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



#73

Isopropylbenzene

Concen: 9.222 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062263.D

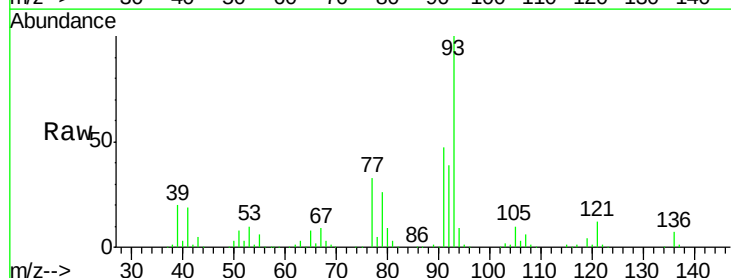
Acq: 12 May 2019 17:10

Tgt Ion:105 Resp: 59122

Ion Ratio Lower Upper

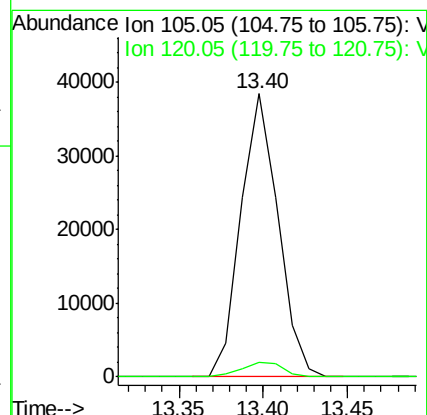
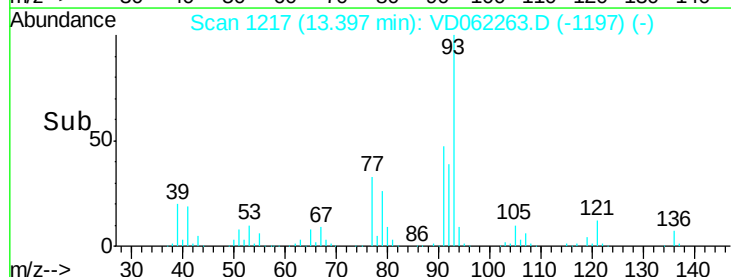
105 100

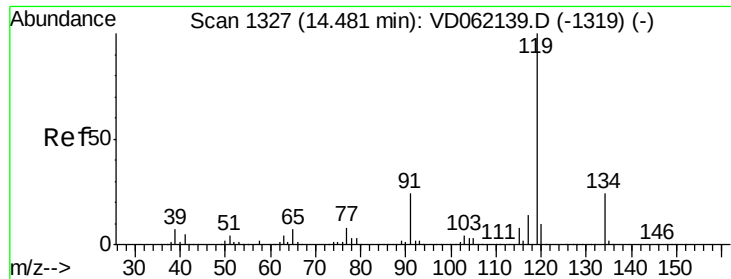
120 5.1 12.0 36.1#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

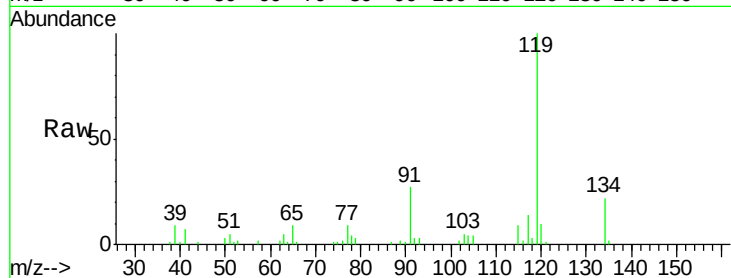




#86  
 p-Isopropyltoluene  
 Concen: 13.537 ug/l  
 RT: 14.49 min Scan# 1328  
 Delta R.T. 0.01 min  
 Lab File: VD062263.D  
 Acq: 12 May 2019 17:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P021-SS001-1824-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 21.8  | 12.8  | 38.3  |
| 91      | 27.3  | 10.7  | 32.1  |



Abundance

Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

