

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD111418\  
 Data File : VD060376.D  
 Acq On : 14 Nov 2018 13:45  
 Operator : JC/SY  
 Sample : J5925-01  
 Misc : 16.05g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 TP-1S1

Quant Time: Nov 14 16:23:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:56:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.38  | 168  | 1216352  | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 7.42  | 114  | 1820172  | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 11.26 | 117  | 1262772  | 50.00 | ug/l  | -0.03    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 578582   | 50.00 | ug/l  | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.76  | 65   | 458582   | 52.65 | ug/l    | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 105.30% |          |
| 35) Dibromofluoromethane    | 6.30  | 113  | 590596   | 43.51 | ug/l    | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 87.02%  |          |
| 50) Toluene-d8              | 9.43  | 98   | 1243502  | 31.30 | ug/l    | -0.03    |
| Spiked Amount               |       |      | Recovery | =     | 62.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.42 | 95   | 456976   | 31.75 | ug/l    | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 63.50%  |          |

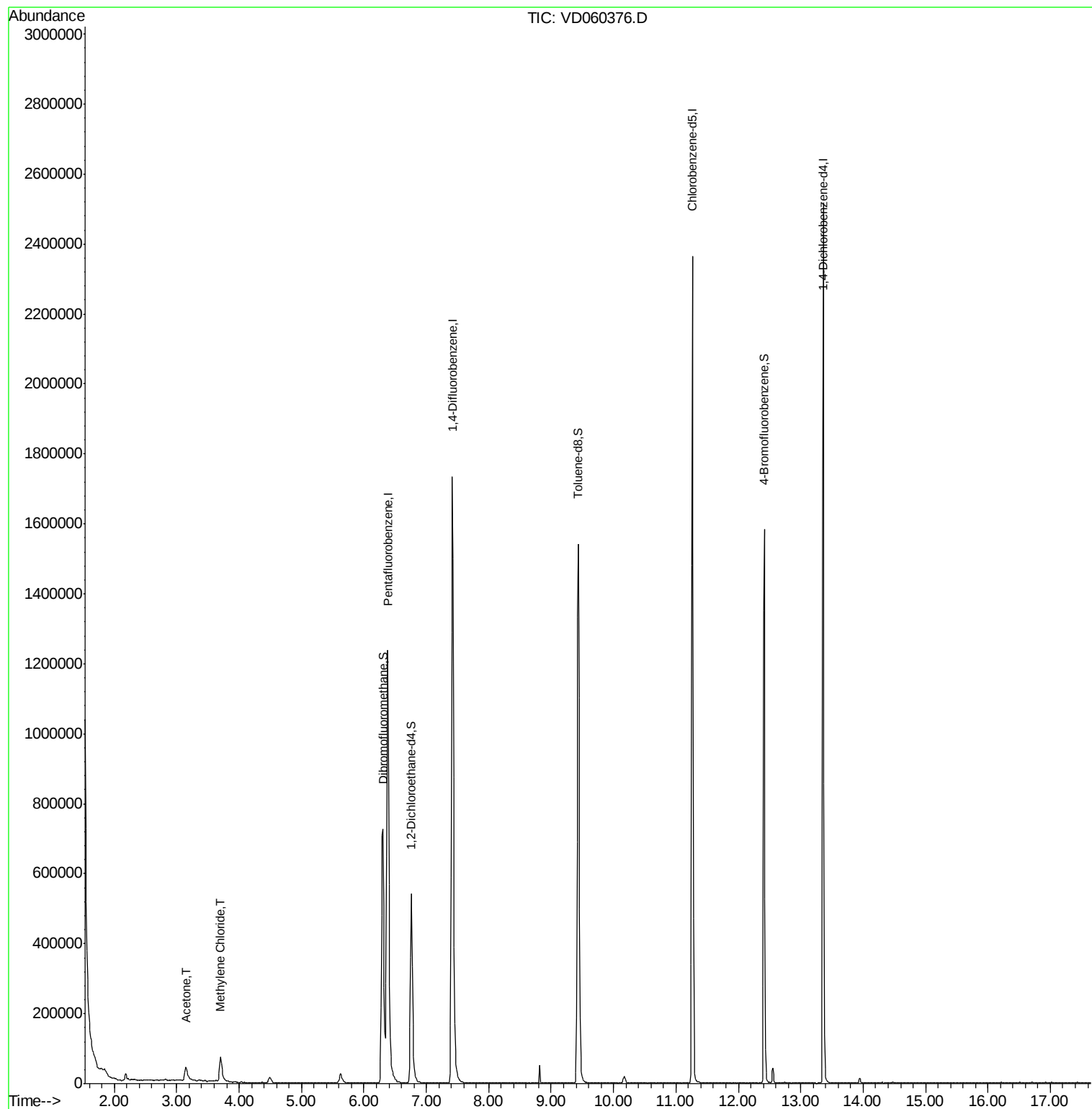
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.15 | 43   | 94935    | 62.84 | ug/l  | 96     |
| 20) Methylene Chloride | 3.70 | 84   | 47005    | 3.51  | ug/l  | 98     |

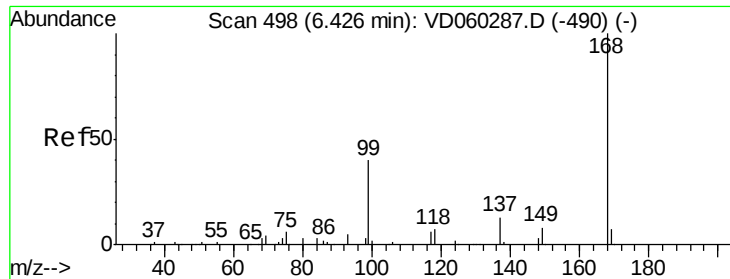
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD111418\  
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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1S1

Quant Time: Nov 14 16:23:38 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 06 13:56:04 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD060376.D

Acq: 14 Nov 2018 13:45

Instrument :

MSVOA\_D

ClientSampleId :

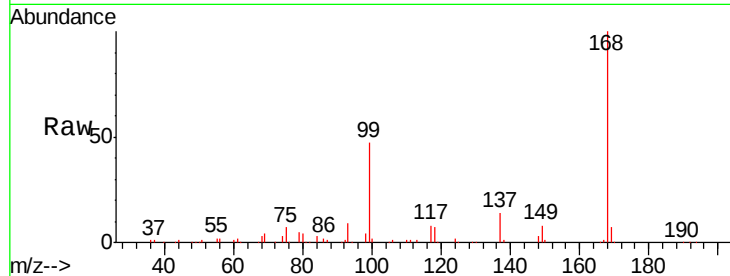
TP-1S1

Tgt Ion:168 Resp: 1216352

Ion Ratio Lower Upper

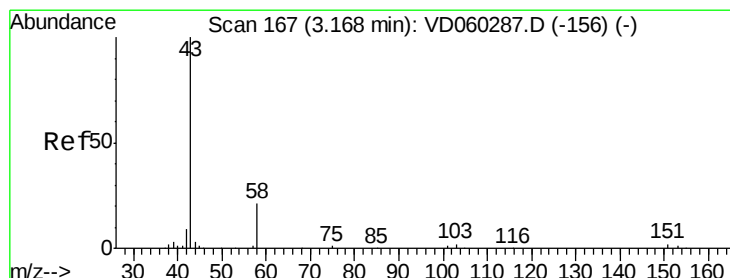
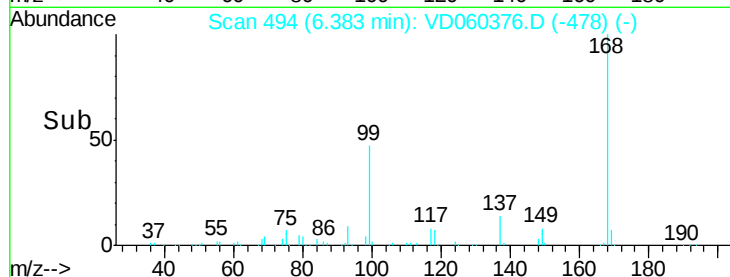
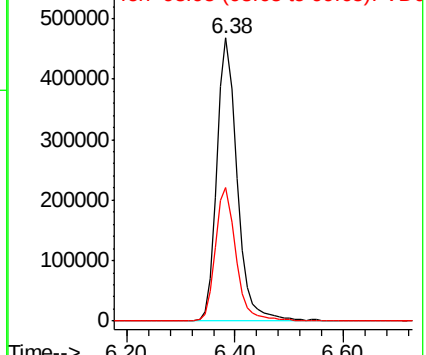
168 100

99 47.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 62.84 ug/l

RT: 3.15 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD060376.D

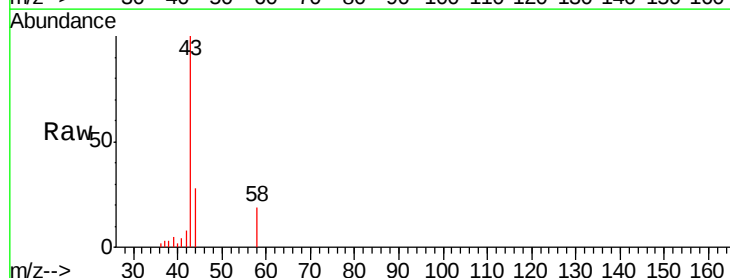
Acq: 14 Nov 2018 13:45

Tgt Ion: 43 Resp: 94935

Ion Ratio Lower Upper

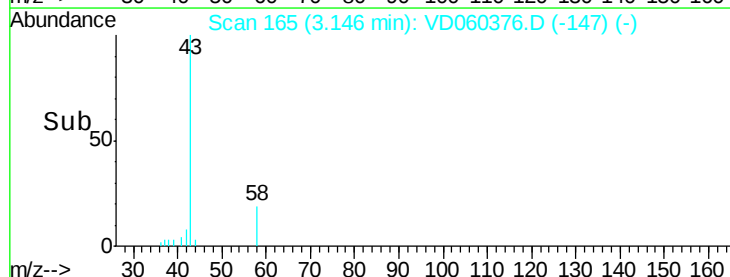
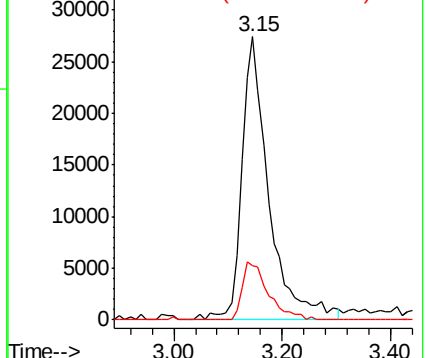
43 100

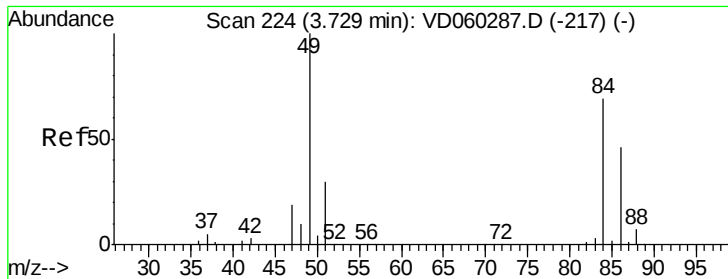
58 19.2 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

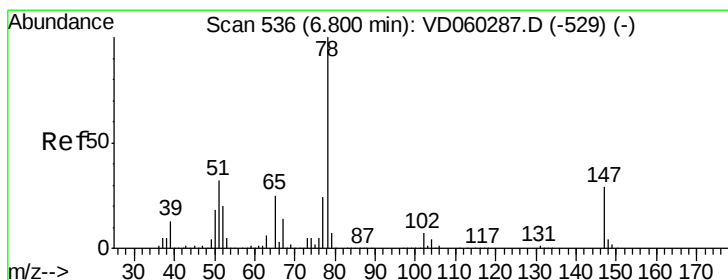
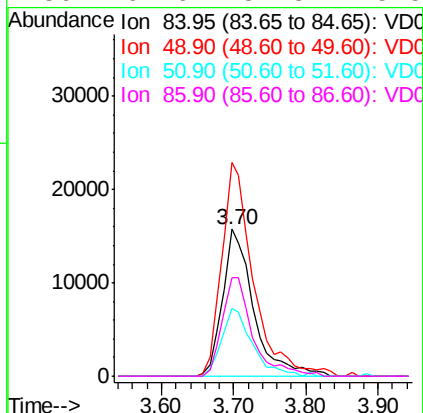
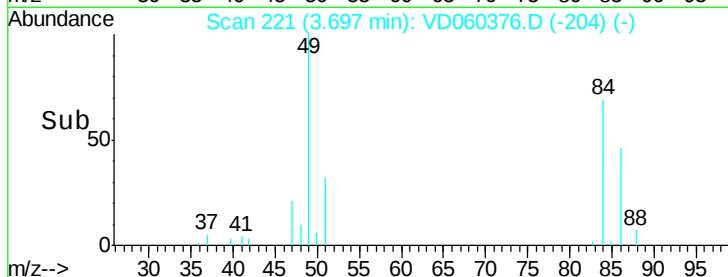
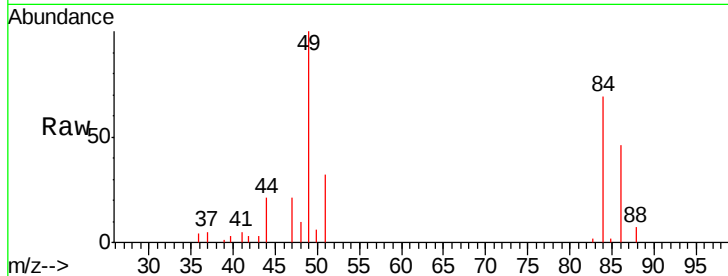




#20  
Methylene Chloride  
Concen: 3.51 ug/l  
RT: 3.70 min Scan# 221  
Delta R.T. -0.03 min  
Lab File: VD060376.D  
Acq: 14 Nov 2018 13:45

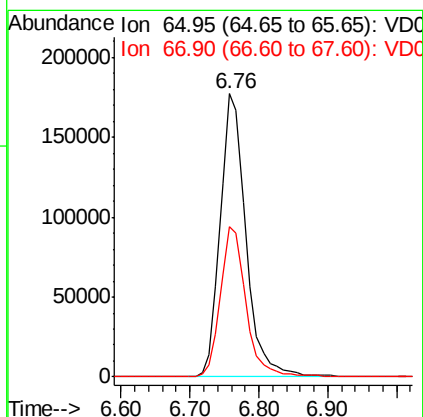
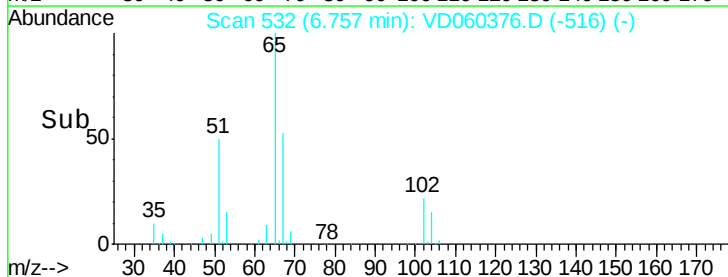
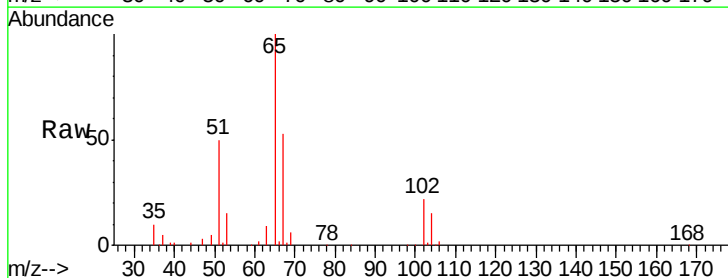
Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1S1

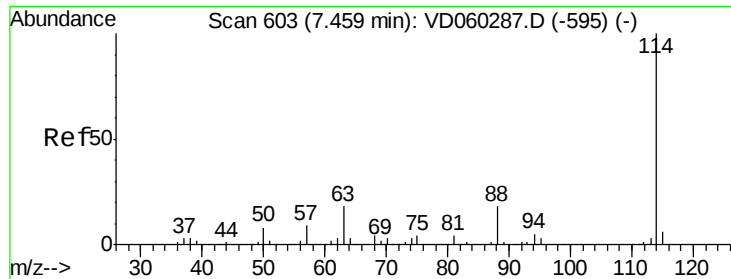
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 47005 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 145.5 | 115.6 | 173.4 |
| 51       | 46.0  | 35.6  | 53.4  |
| 86       | 67.6  | 52.3  | 78.5  |



#33  
1,2-Dichloroethane-d4  
Concen: N.D. ug/l  
RT: 6.76 min Scan# 532  
Delta R.T. -0.04 min  
Lab File: VD060376.D  
Acq: 14 Nov 2018 13:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 458582 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 52.9  | 0.0   | 109.8  |

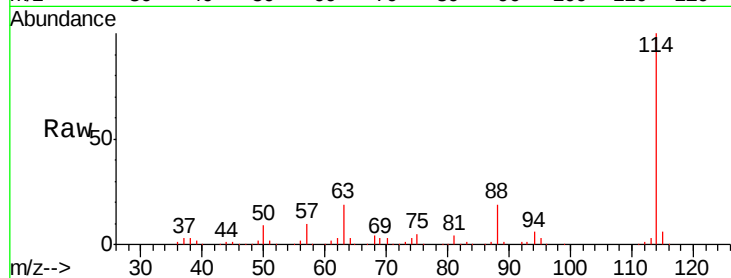




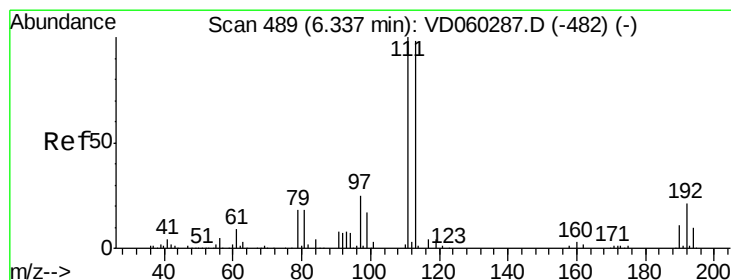
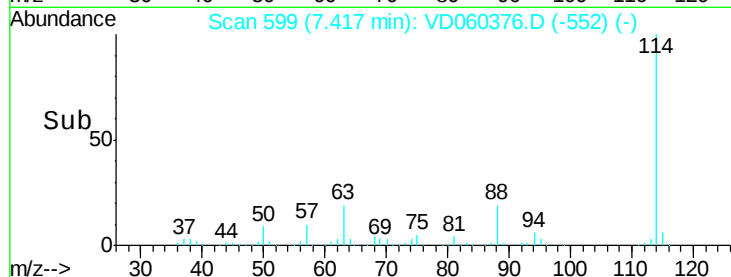
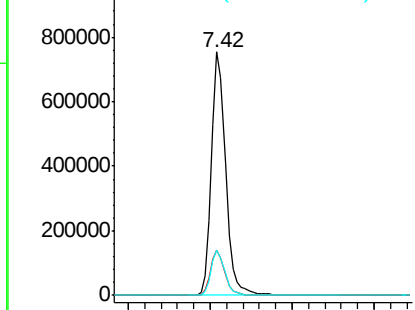
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.42 min Scan# 599  
 Delta R.T. -0.04 min  
 Lab File: VD060376.D  
 Acq: 14 Nov 2018 13:45

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 TP-1S1

Tgt Ion:114 Resp: 1820172  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 34.0  
 88 18.8 0.0 35.4

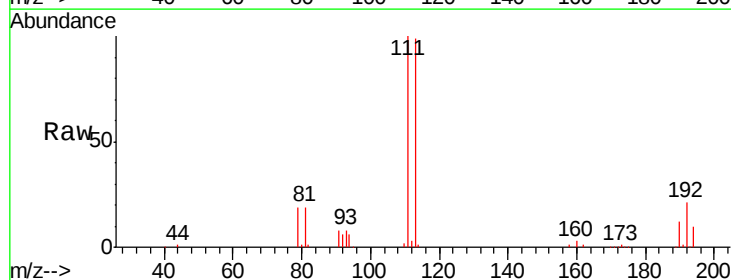


Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): VDC  
 Ion 87.90 (87.60 to 88.60): VDC

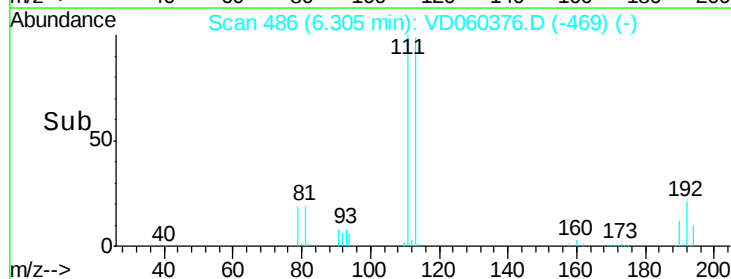
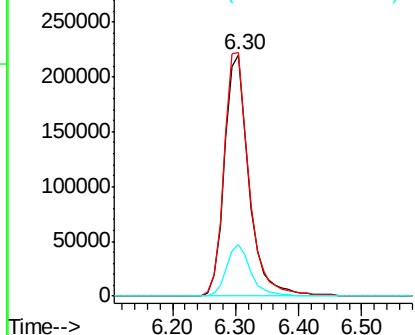


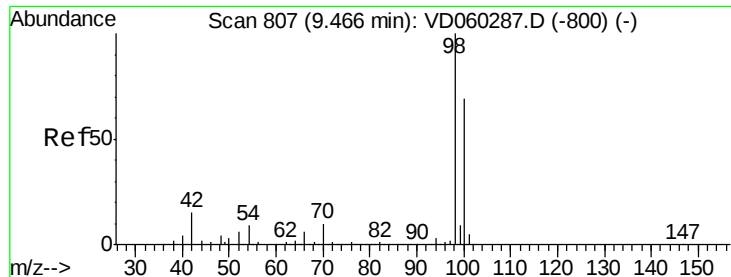
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 6.30 min Scan# 486  
 Delta R.T. -0.03 min  
 Lab File: VD060376.D  
 Acq: 14 Nov 2018 13:45

Tgt Ion:113 Resp: 590596  
 Ion Ratio Lower Upper  
 113 100  
 111 100.8 81.6 122.4  
 192 21.3 16.5 24.7



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060376.D

Acq: 14 Nov 2018 13:45

Instrument :

MSVOA\_D

ClientSampleId :

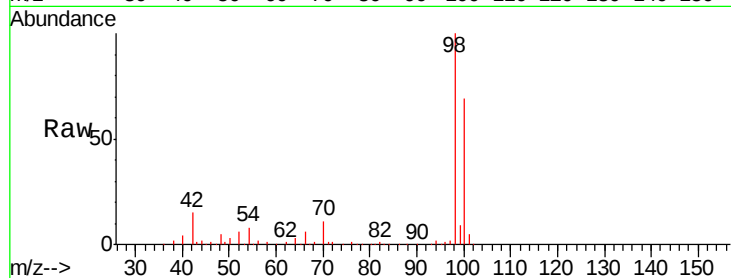
TP-1S1

Tgt Ion: 98 Resp: 1243502

Ion Ratio Lower Upper

98 100

100 69.2 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

9.43

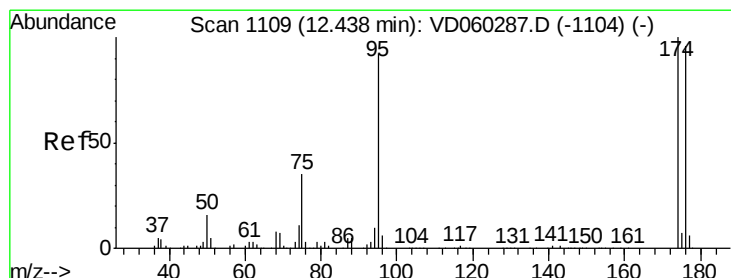
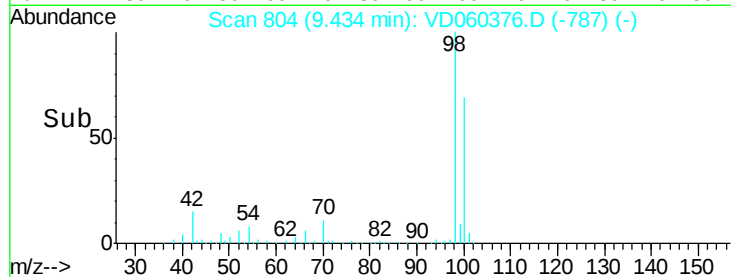
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060376.D

Acq: 14 Nov 2018 13:45

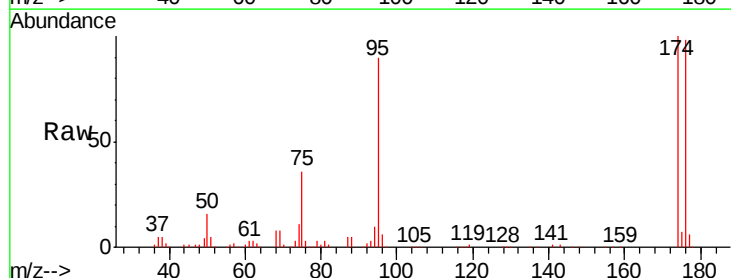
Tgt Ion: 95 Resp: 456976

Ion Ratio Lower Upper

95 100

174 110.7 0.0 160.8

176 108.9 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

400000

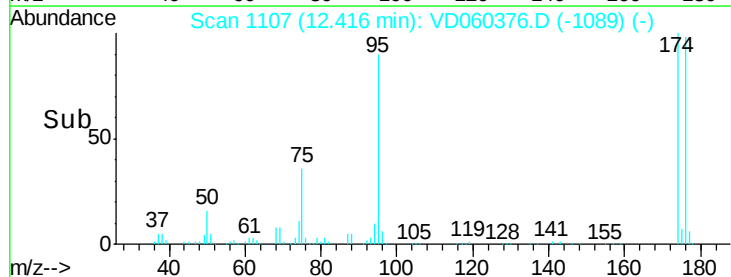
300000

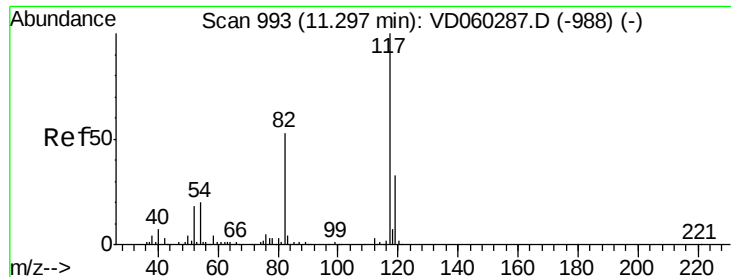
200000

100000

0

Time-->

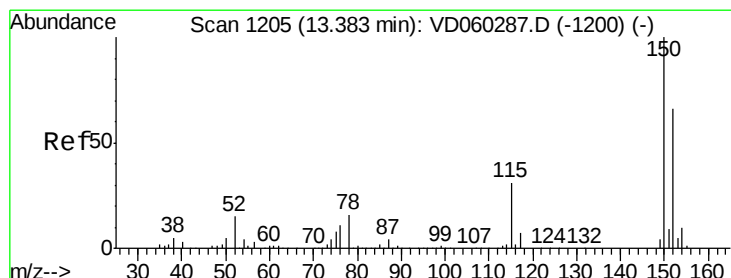
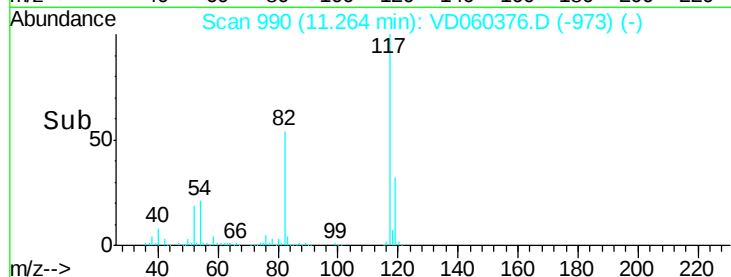
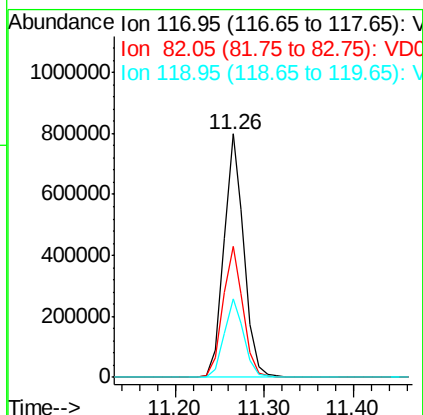
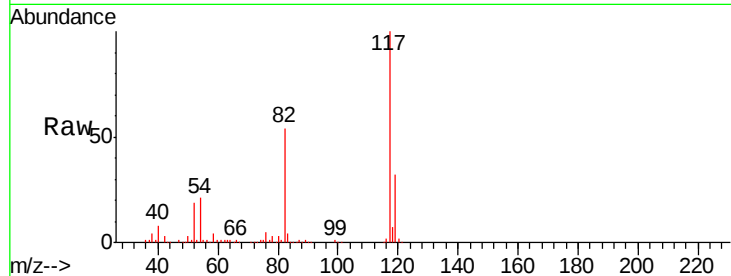




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.26 min Scan# 990  
Delta R.T. -0.03 min  
Lab File: VD060376.D  
Acq: 14 Nov 2018 13:45

Instrument :  
MSVOA\_D  
ClientSampleId :  
TP-1S1

Tgt Ion:117 Resp: 1262772  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.7 65.5  
119 32.2 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.36 min Scan# 1203  
Delta R.T. -0.02 min  
Lab File: VD060376.D  
Acq: 14 Nov 2018 13:45

Tgt Ion:152 Resp: 578582  
Ion Ratio Lower Upper  
152 100  
115 48.7 24.1 72.3  
150 156.5 0.0 310.6

