

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062018\  
 Data File : VD058240.D  
 Acq On : 21 Jun 2018 7:24  
 Operator : VA/AP  
 Sample : J3603-11  
 Misc : 4.83g/5ml/MSVOA D/SOIL  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 26KV-CSM

Quant Time: Jun 21 09:06:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061918S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 20 05:52:56 2018  
 Response via : Initial Calibration

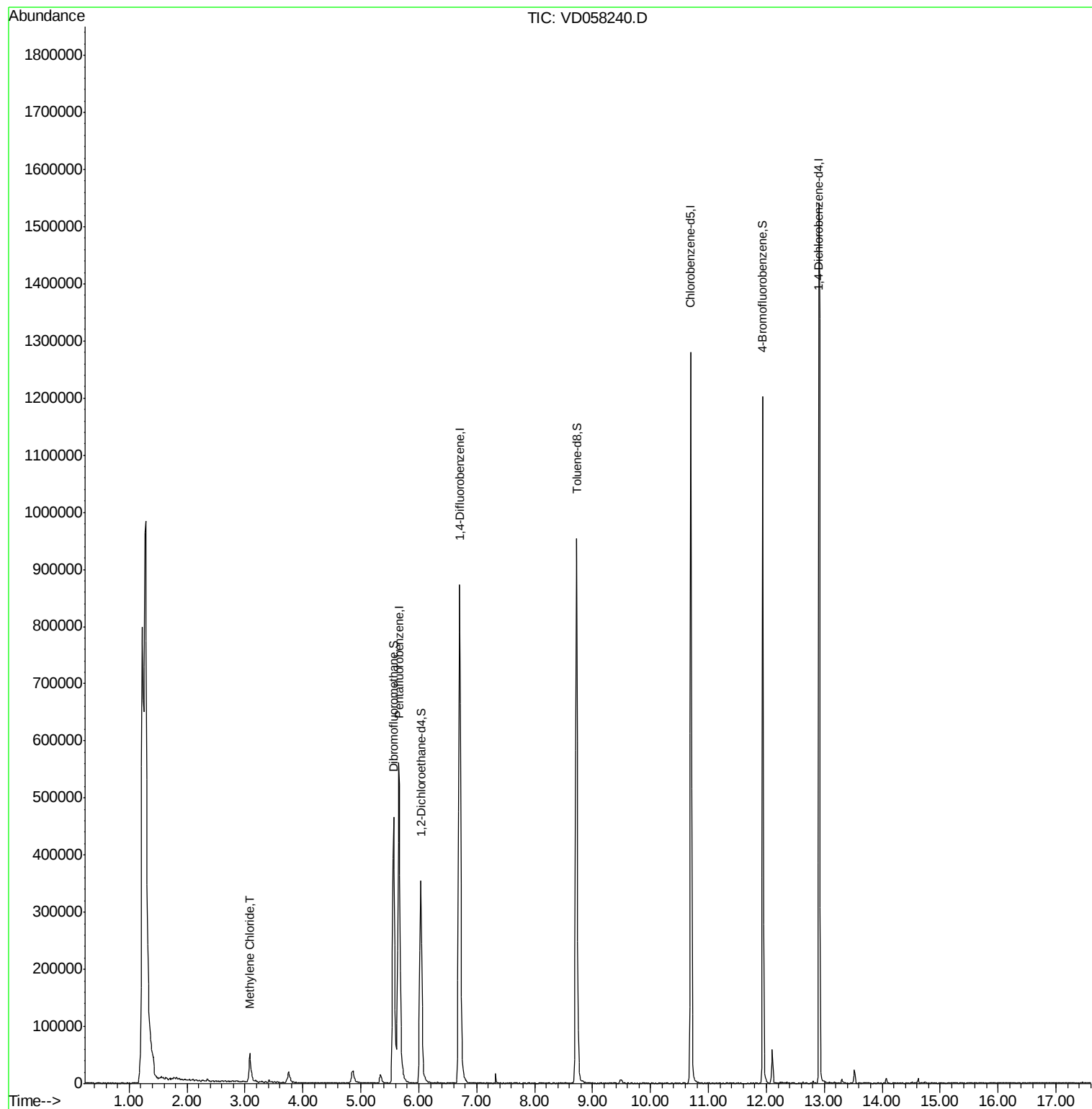
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 550054   | 50.00 | ug/l    | 0.03      |
| 34) 1,4-Difluorobenzene     | 6.71  | 114  | 905897   | 50.00 | ug/l    | 0.02      |
| 63) Chlorobenzene-d5        | 10.69 | 117  | 714733   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.92 | 152  | 348508   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 355074   | 63.91 | ug/l    | 0.03      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 127.82% |           |
| 35) Dibromofluoromethane    | 5.56  | 113  | 366296   | 49.68 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.36%  |           |
| 50) Toluene-d8              | 8.72  | 98   | 760278   | 42.62 | ug/l    | 0.02      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.24%  |           |
| 62) 4-Bromofluorobenzene    | 11.93 | 95   | 321544   | 44.13 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.26%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 3.08  | 84   | 23532    | 7.85  | ug/l    | Qvalue 91 |

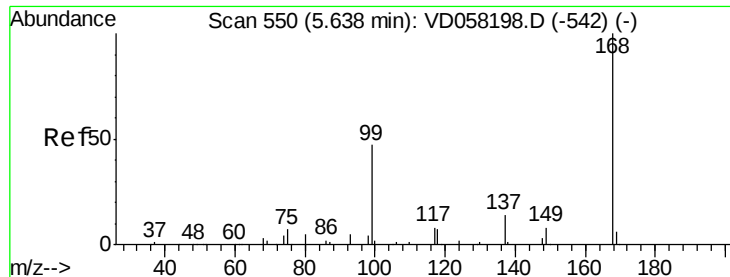
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 20 05:52:56 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.03 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA\_D

ClientSampleId :

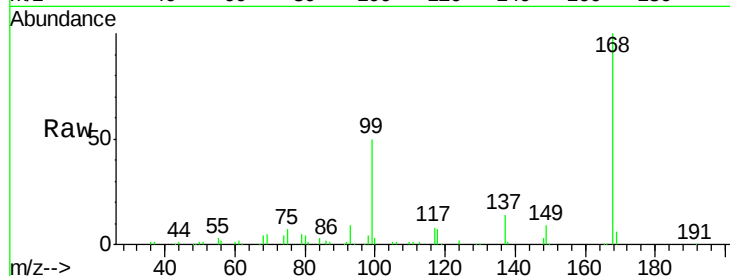
26KV-CSM

Tot Ion:168 Resp: 550054

Ion Ratio Lower Upper

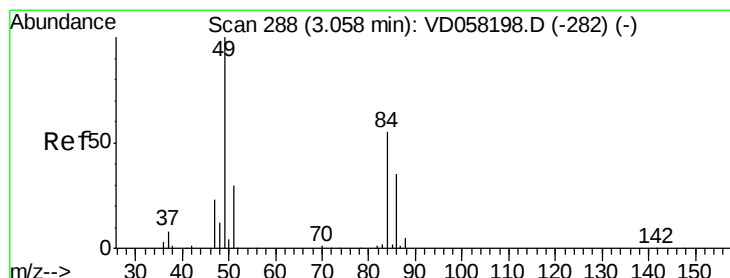
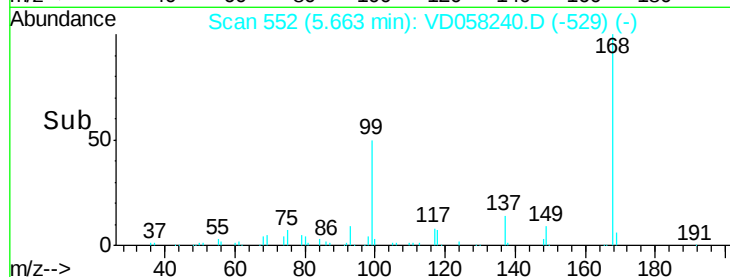
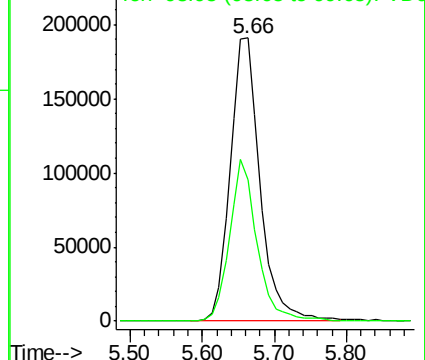
168 100

99 49.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#20

Methylene Chloride

Concen: 7.85 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.03 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Tgt Ion: 84 Resp: 23532

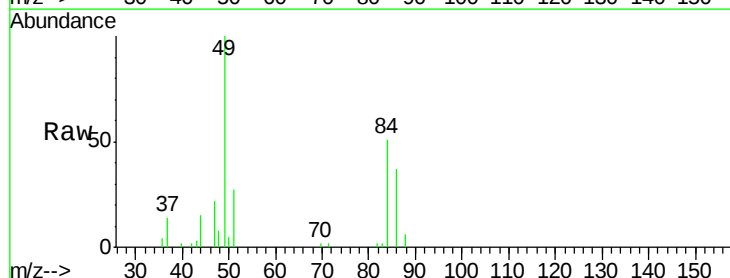
Ion Ratio Lower Upper

84 100

49 195.8 145.0 217.6

51 53.7 42.9 64.3

86 71.6 50.1 75.1

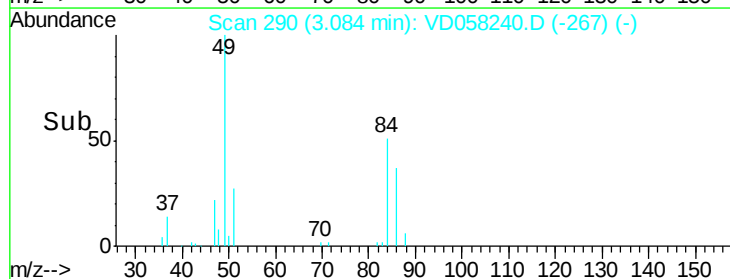
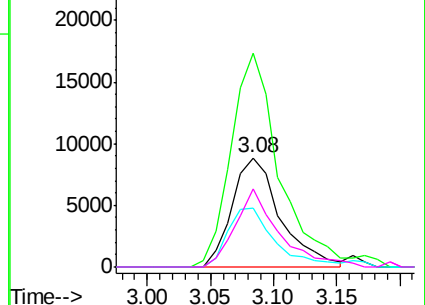


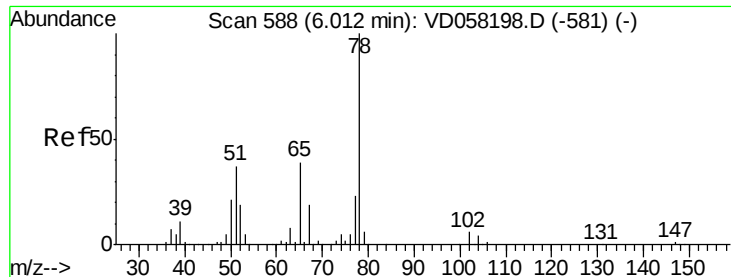
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

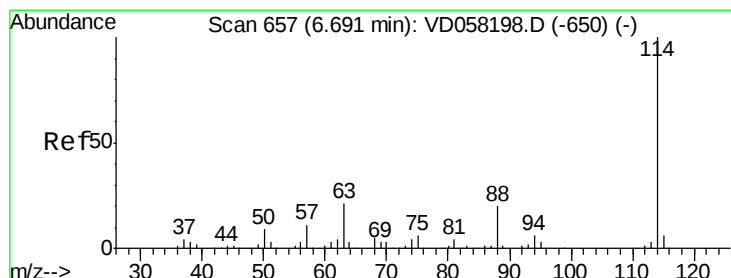
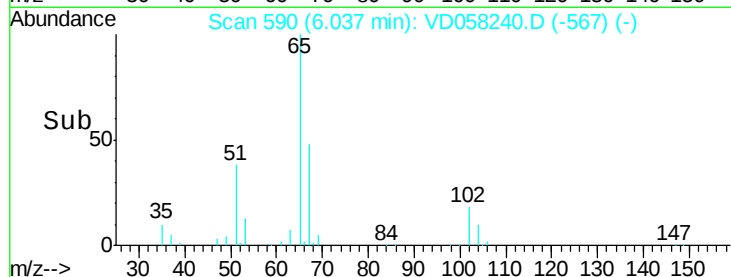
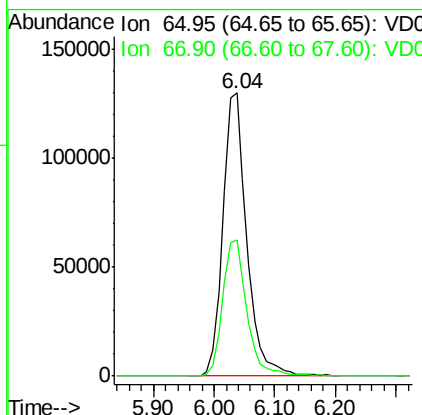
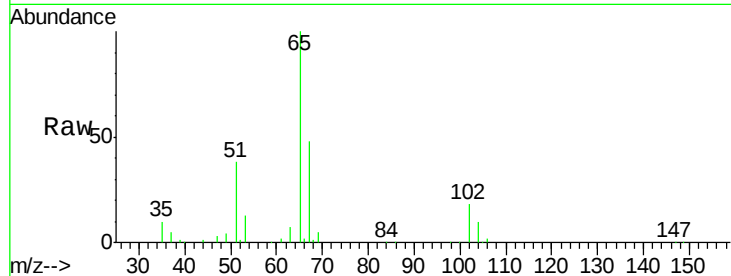




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 6.04 min Scan# 590  
 Delta R.T. 0.03 min  
 Lab File: VD058240.D  
 Acq: 21 Jun 2018 7:24

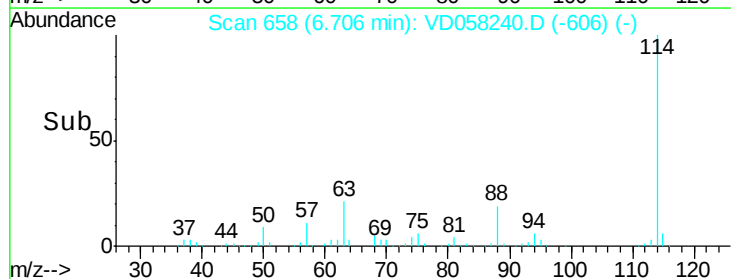
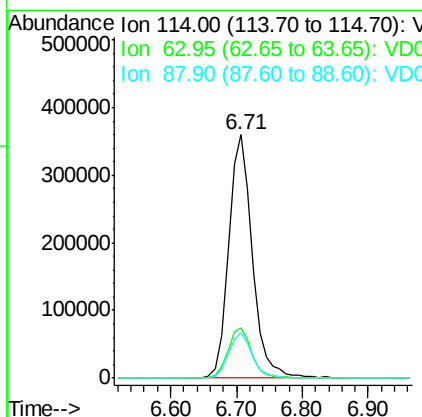
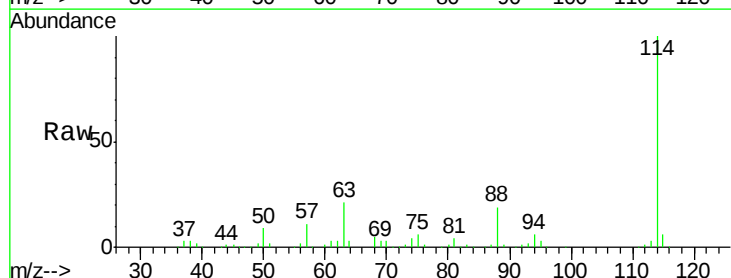
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 26KV-CSM

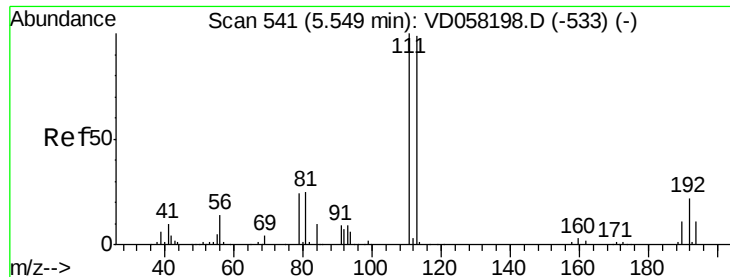
Tot Ion: 65 Resp: 355074  
 Ion Ratio Lower Upper  
 65 100  
 67 48.1 0.0 97.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.71 min Scan# 658  
 Delta R.T. 0.02 min  
 Lab File: VD058240.D  
 Acq: 21 Jun 2018 7:24

Tgt Ion: 114 Resp: 905897  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.6  
 88 18.7 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA\_D

ClientSampleId :

26KV-CSM

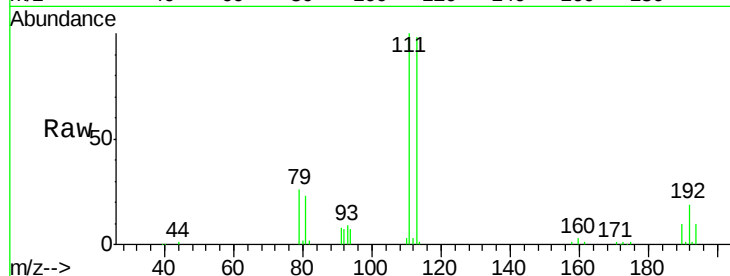
Tot Ion:113 Resp: 366296

Ion Ratio Lower Upper

113 100

111 102.5 80.6 121.0

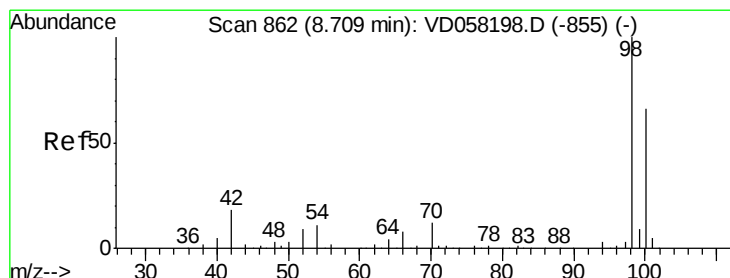
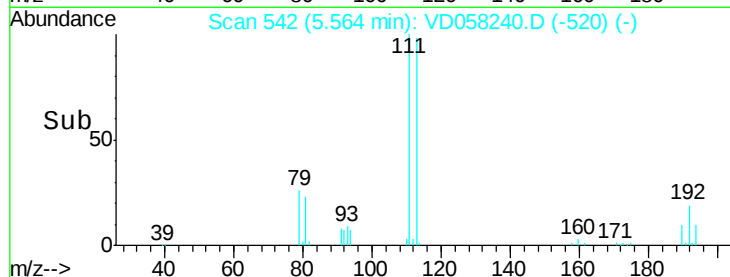
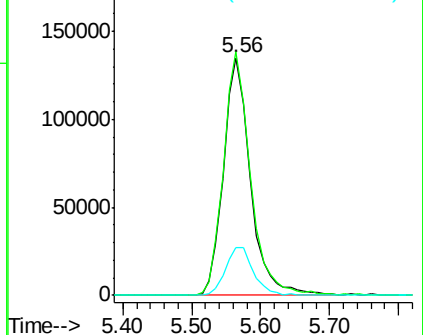
192 19.9 17.8 26.6



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: 8.72 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD058240.D

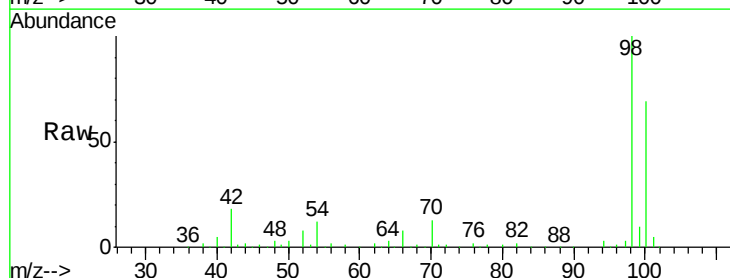
Acq: 21 Jun 2018 7:24

Tgt Ion: 98 Resp: 760278

Ion Ratio Lower Upper

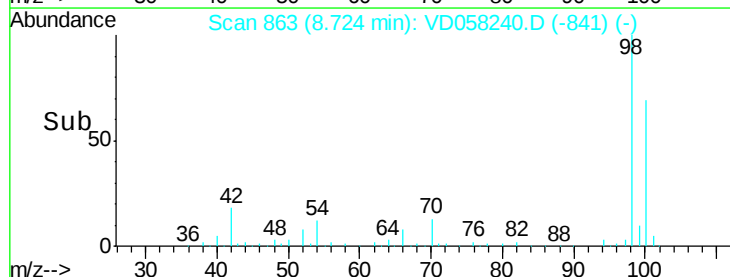
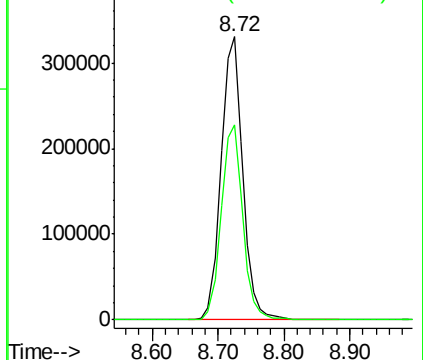
98 100

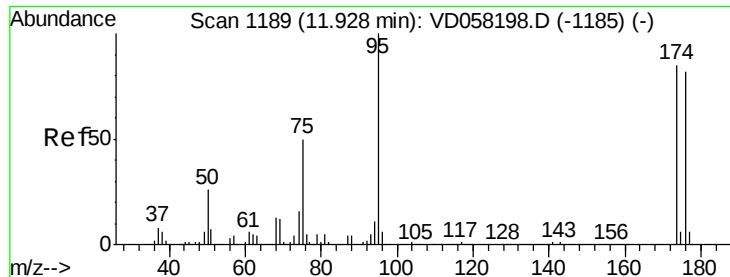
100 68.7 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

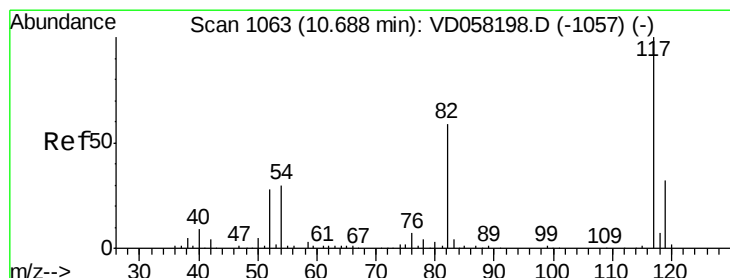
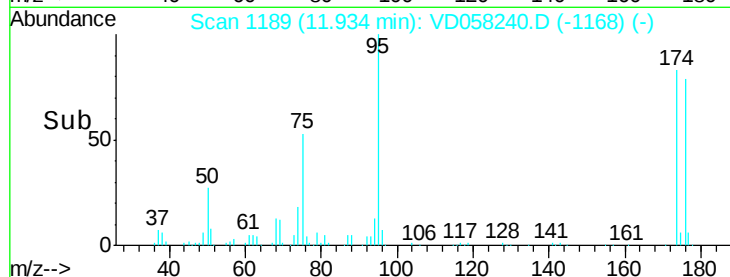
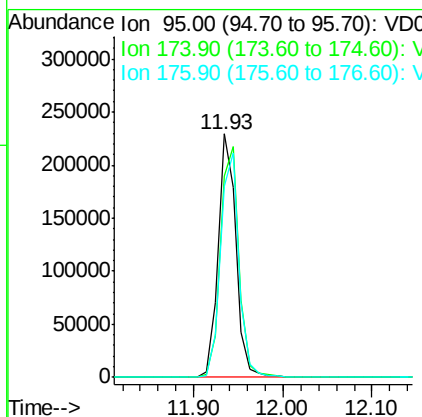
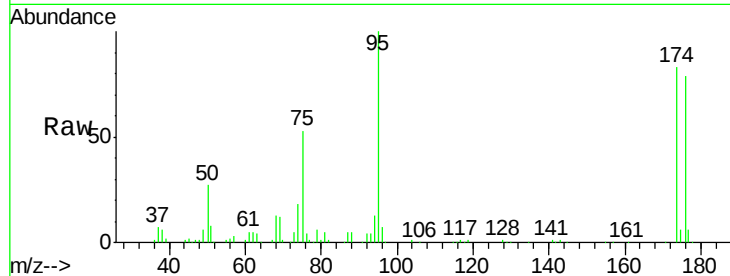




#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 11.93 min Scan# 1189  
Delta R.T. 0.01 min  
Lab File: VD058240.D  
Acq: 21 Jun 2018 7:24

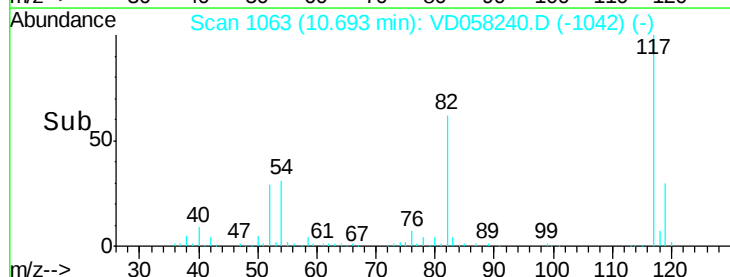
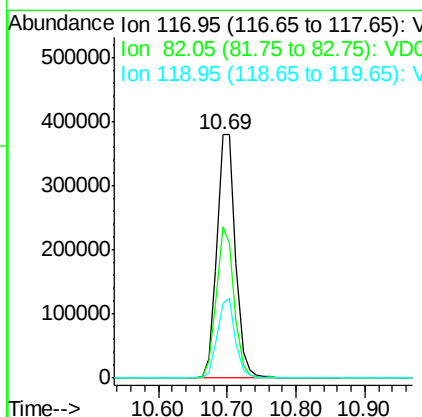
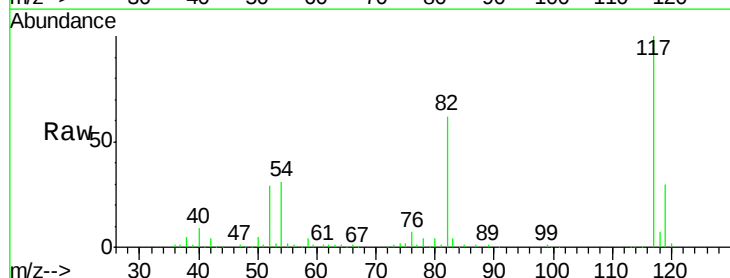
Instrument :  
MSVOA\_D  
ClientSampleId :  
26KV-CSM

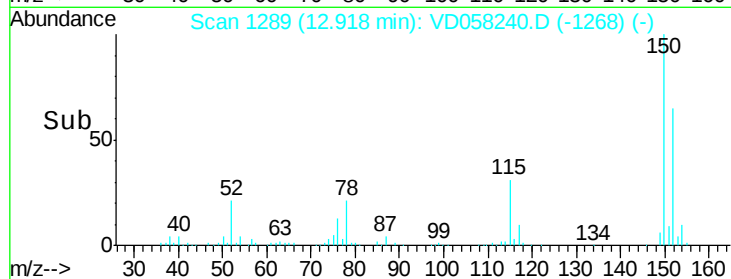
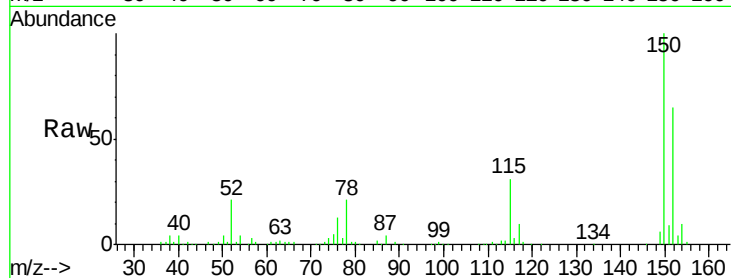
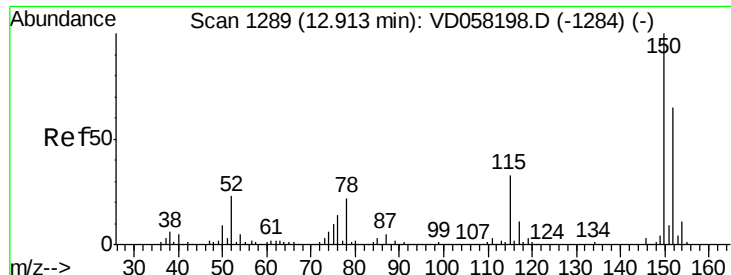
Tot Ion: 95 Resp: 321544  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 170.2  
176 78.7 0.0 164.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.69 min Scan# 1063  
Delta R.T. 0.01 min  
Lab File: VD058240.D  
Acq: 21 Jun 2018 7:24

Tgt Ion: 117 Resp: 714733  
Ion Ratio Lower Upper  
117 100  
82 62.3 47.0 70.6  
119 30.5 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.92 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD058240.D

Acq: 21 Jun 2018 7:24

Instrument :

MSVOA\_D

ClientSampleId :

26kV-CSM

Tot Ion:152 Resp: 348508

Ion Ratio Lower Upper

152 100

115 47.8 25.1 75.3

150 155.0 0.0 308.8

