

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\  
 Data File : VX000467.D  
 Acq On : 27 Mar 2018 19:03  
 Operator : JC/MD  
 Sample : J2065-03 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RO-CV-2536

Quant Time: Mar 28 07:44:10 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

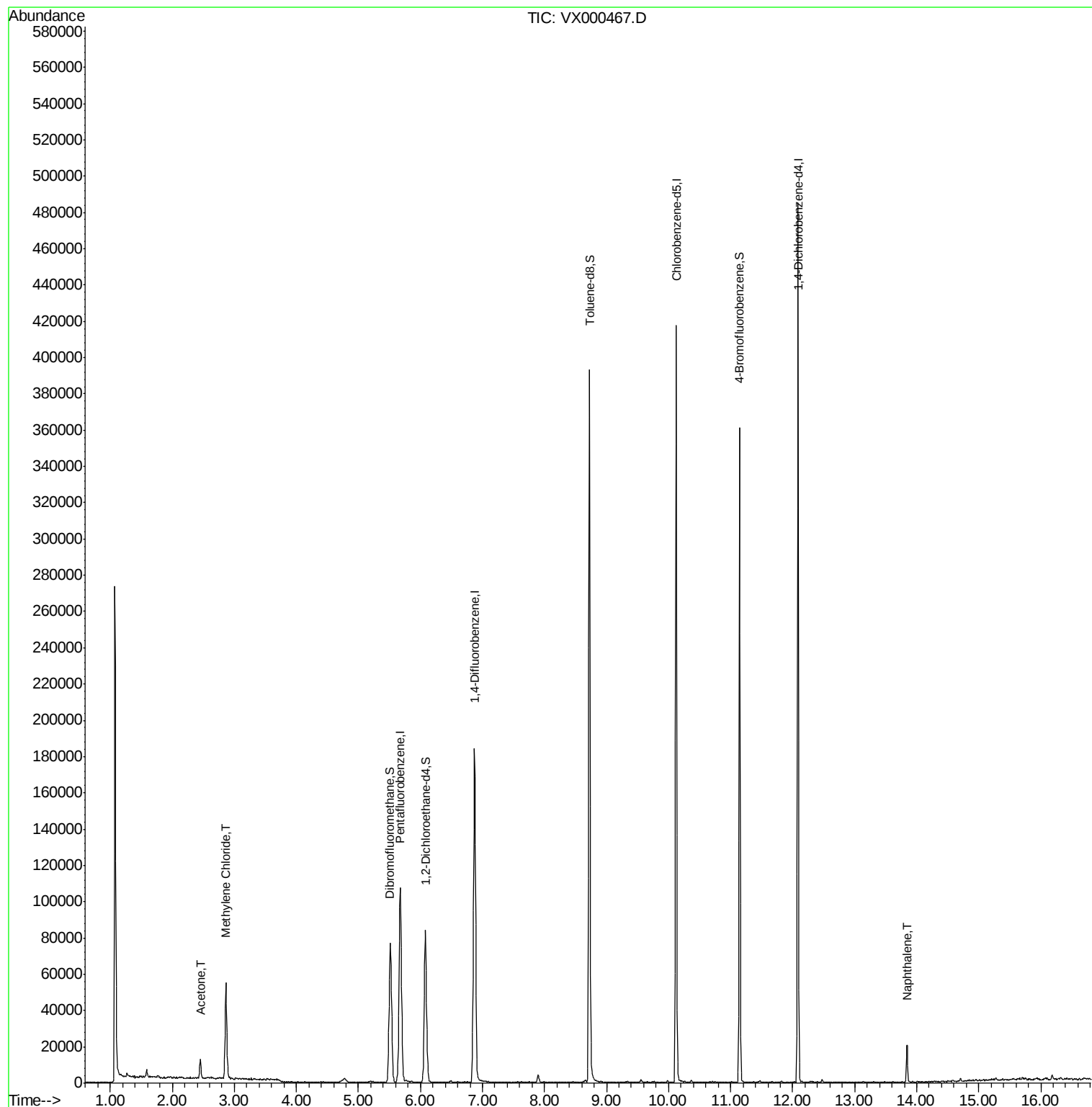
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 103322   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 182589   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 174952   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 89136    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 76789    | 56.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.88% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 59209    | 51.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.94% |          |
| 50) Toluene-d8              | 8.73  | 98   | 230708   | 48.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.84%  |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 77929    | 40.10 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 80.20%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 10994    | 9.80  | ug/l    | 89       |
| 20) Methylene Chloride      | 2.87  | 84   | 22843    | 17.63 | ug/l    | 96       |
| 95) Naphthalene             | 13.85 | 128  | 12185    | 1.67  | ug/l    | 97       |

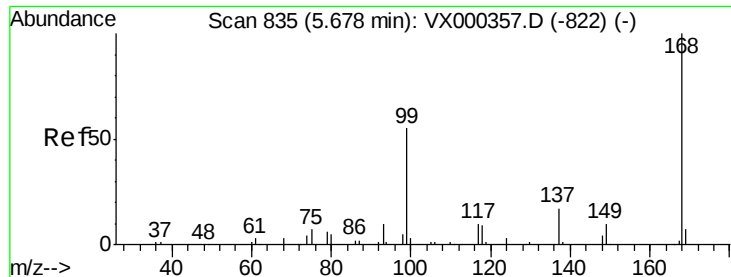
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000467.D

Acq: 27 Mar 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

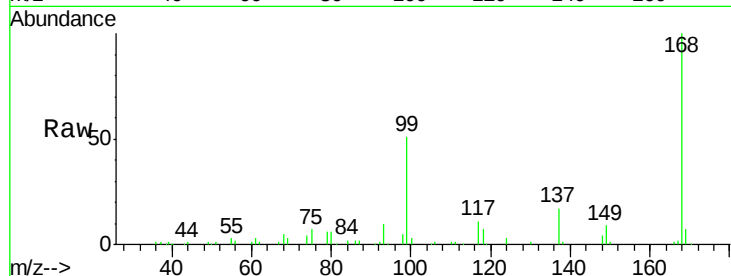
RO-CV-2536

Tot Ion:168 Resp: 103322

Ion Ratio Lower Upper

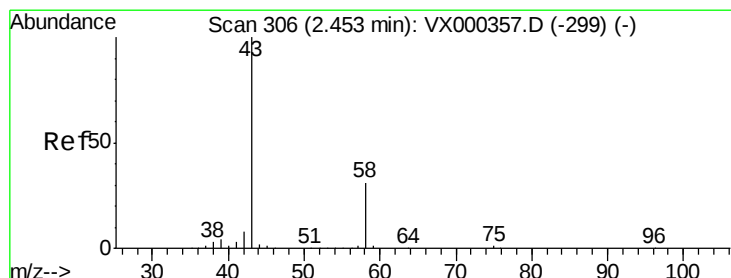
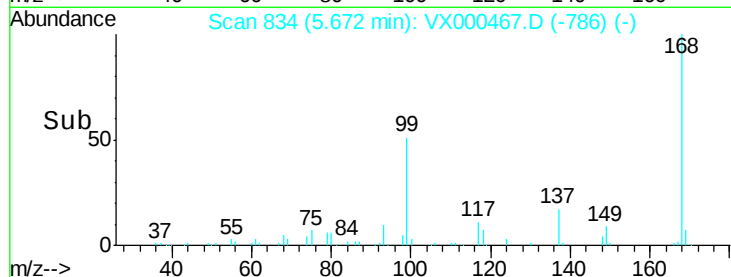
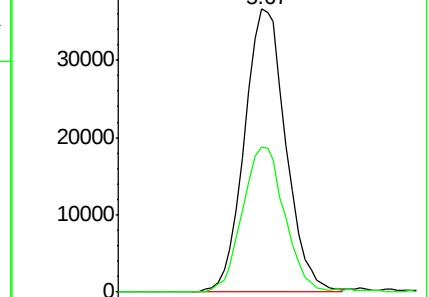
168 100

99 51.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 9.80 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000467.D

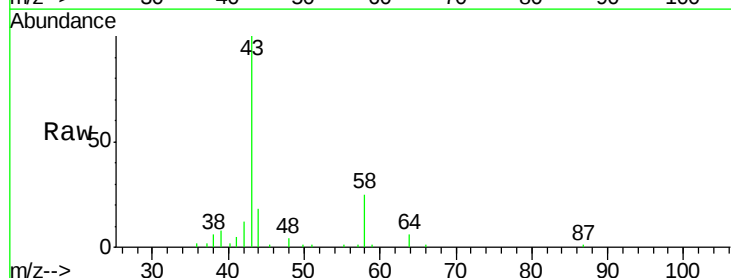
Acq: 27 Mar 2018 19:03

Tgt Ion: 43 Resp: 10994

Ion Ratio Lower Upper

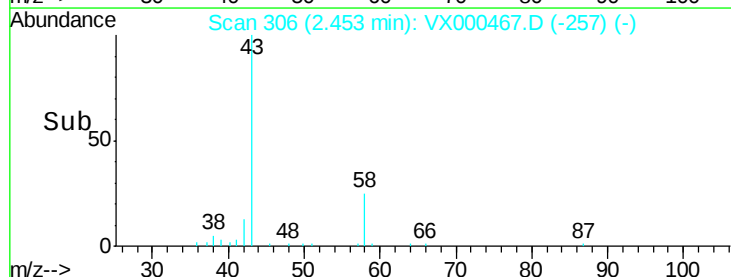
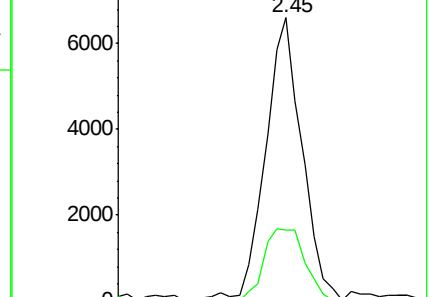
43 100

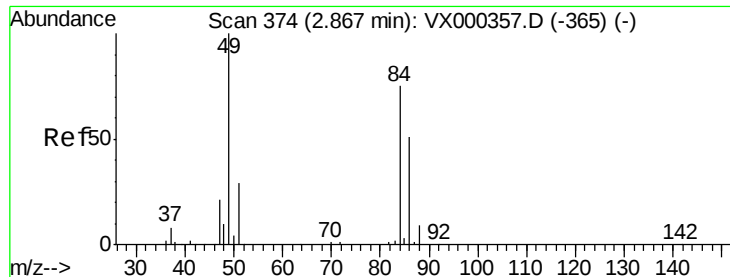
58 24.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

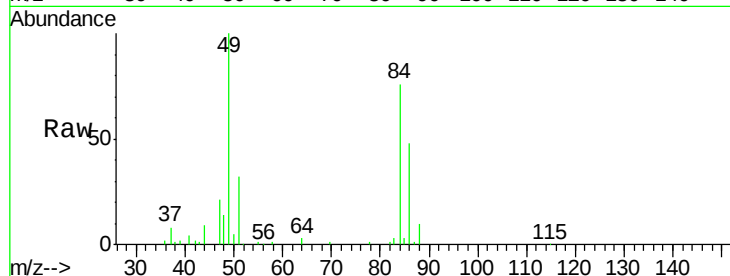




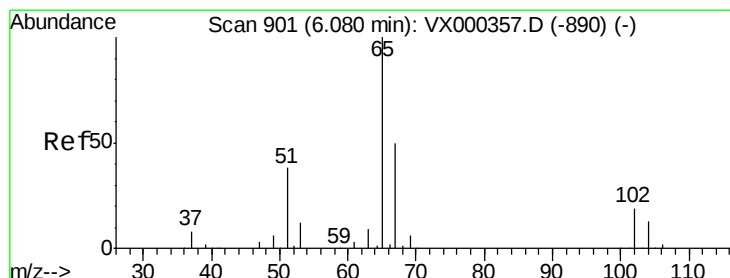
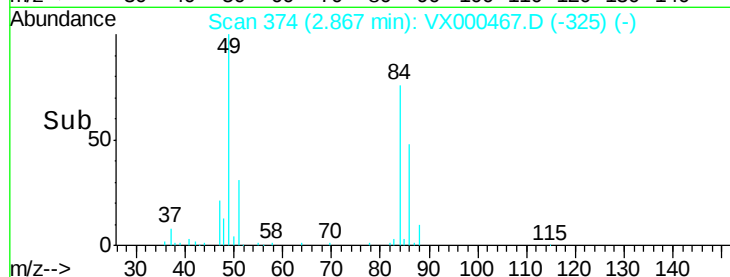
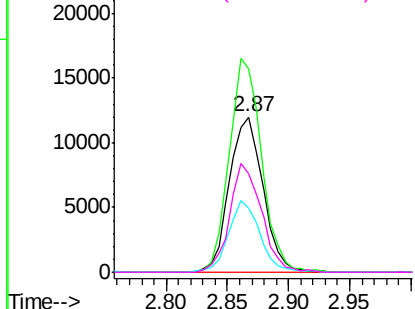
#20  
Methvlene Chloride  
Concen: 17.63 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. -0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
RO-CV-2536

Tot Ion: 84 Resp: 22843  
Ion Ratio Lower Upper  
84 100  
49 131.3 100.6 151.0  
51 41.5 31.6 47.4  
86 63.5 52.6 78.8

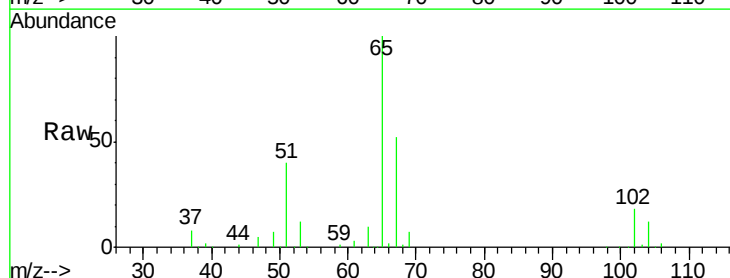


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

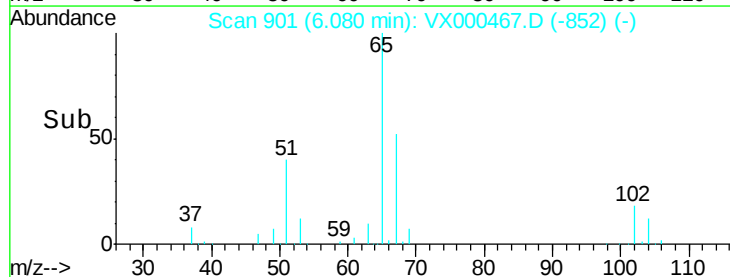
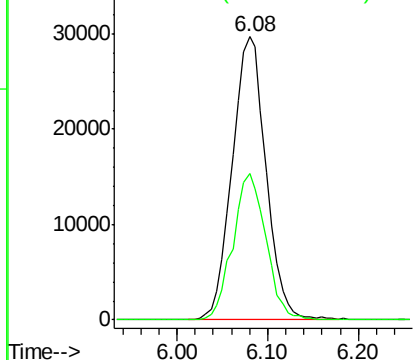


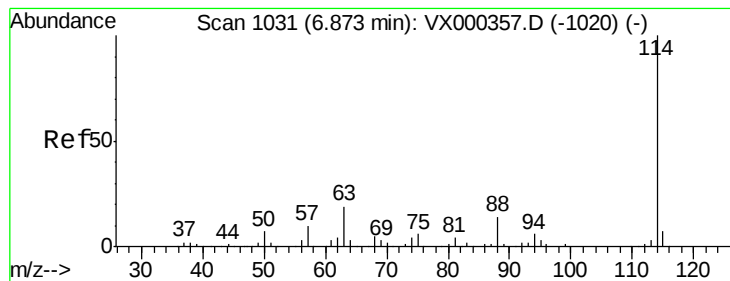
#33  
1,2-Dichloroethane-d4  
Concen: 56.94 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

Tgt Ion: 65 Resp: 76789  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0  
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000467.D

Acq: 27 Mar 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

RO-CV-2536

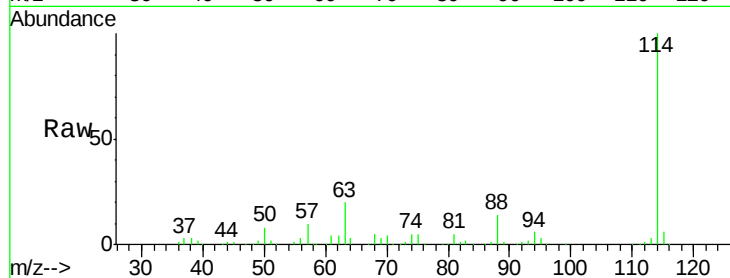
Tot Ion:114 Resp: 182589

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

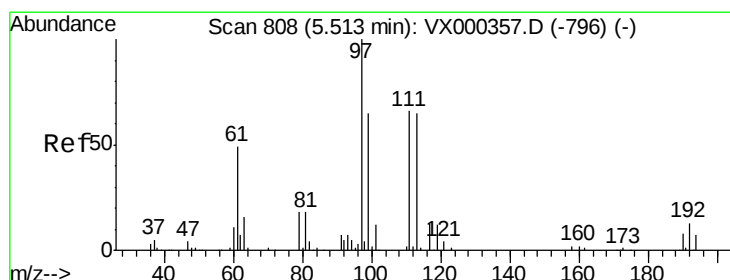
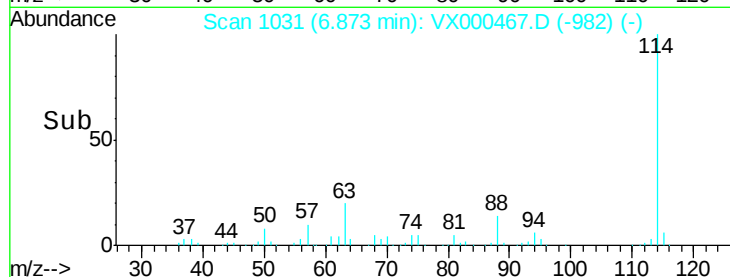
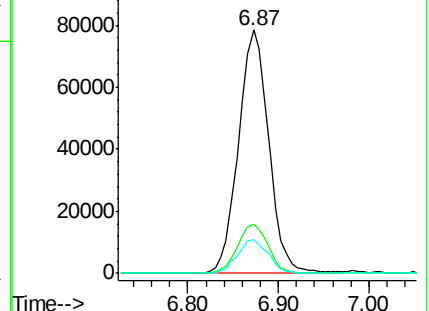
88 13.6 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.47 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000467.D

Acq: 27 Mar 2018 19:03

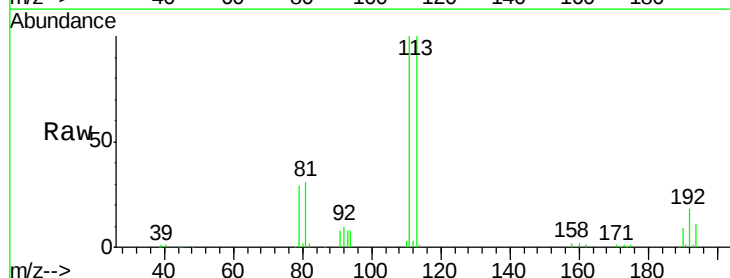
Tgt Ion:113 Resp: 59209

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

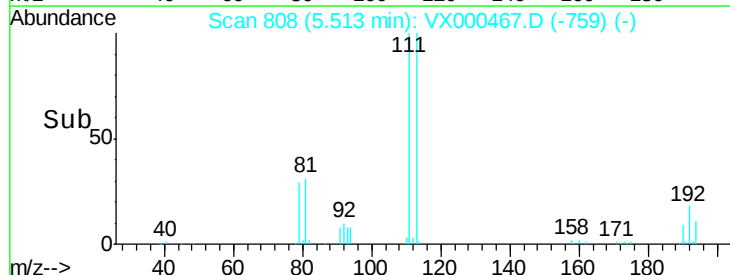
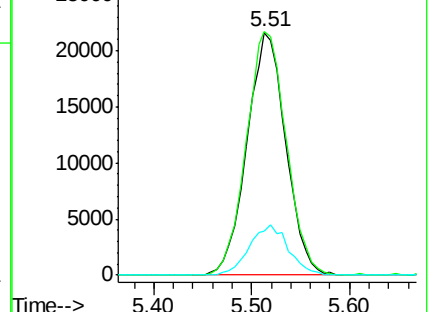
192 20.8 15.8 23.6

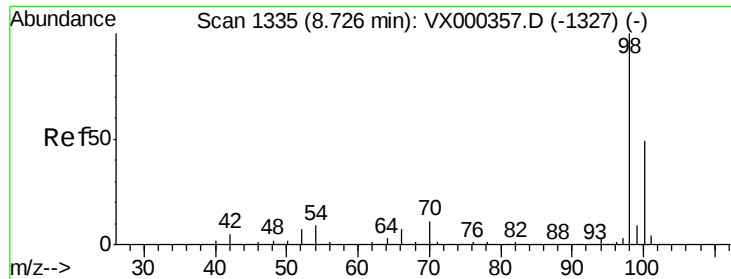


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

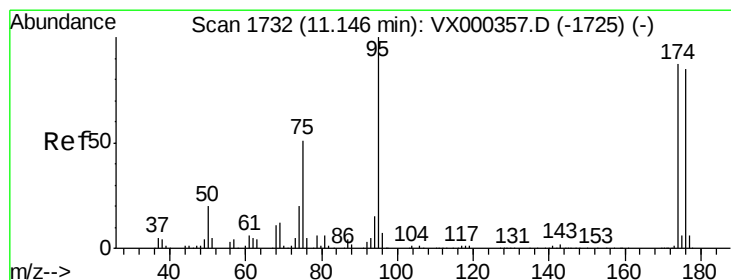
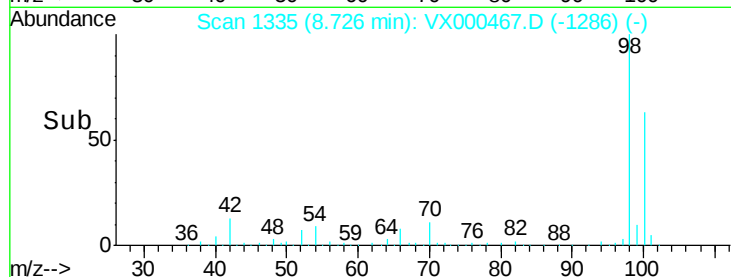
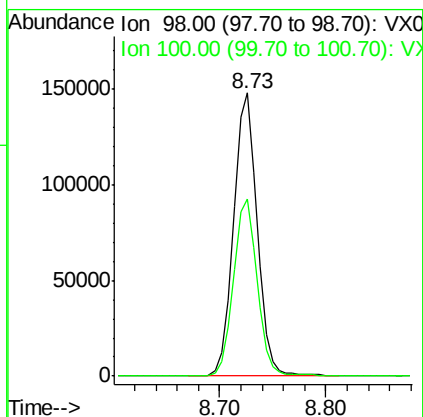
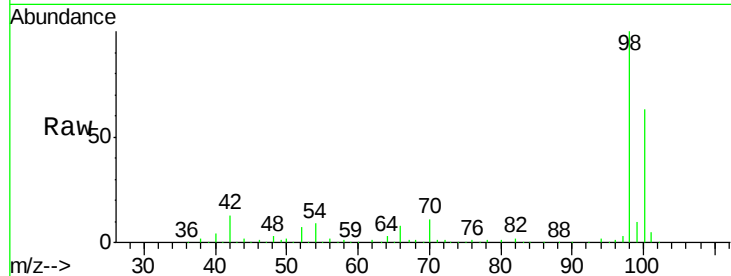




#50  
Toluene-d8  
Concen: 48.42 ug/l  
RT: 8.73 min Scan# 1335  
Delta R.T. -0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

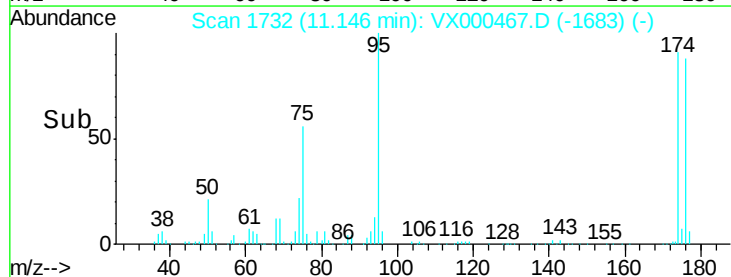
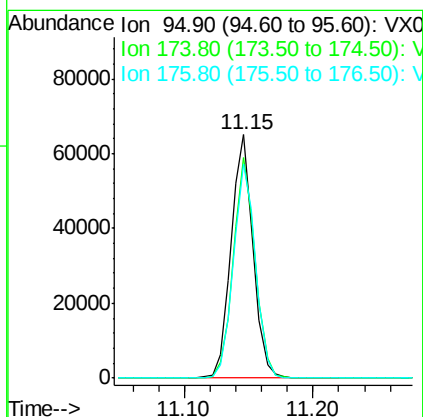
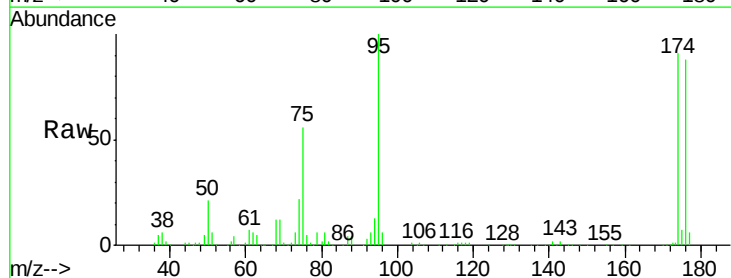
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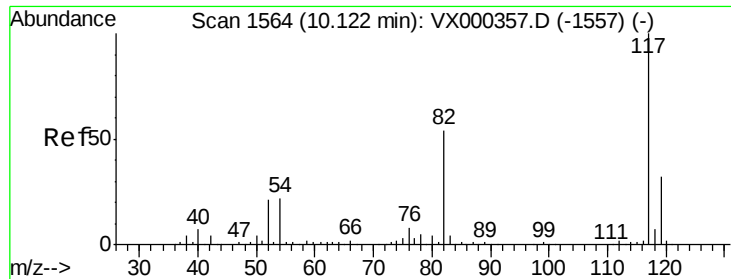
Tot Ion: 98 Resp: 230708  
Ion Ratio Lower Upper  
98 100  
100 63.5 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 40.10 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. 0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

Tgt Ion: 95 Resp: 77929  
Ion Ratio Lower Upper  
95 100  
174 89.7 0.0 173.6  
176 88.1 0.0 164.6

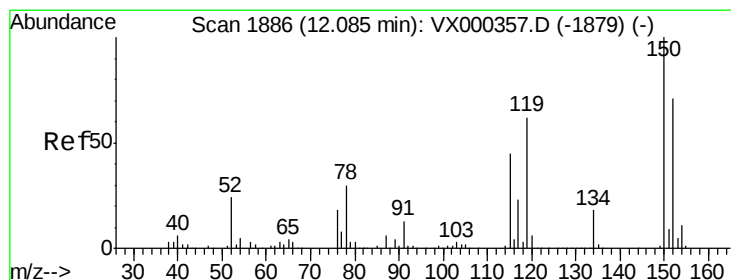
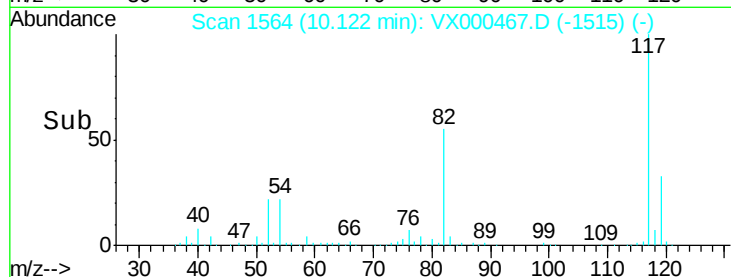
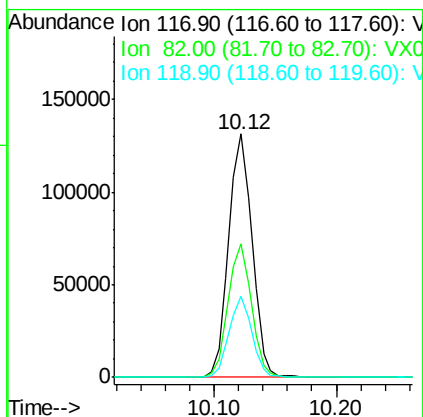
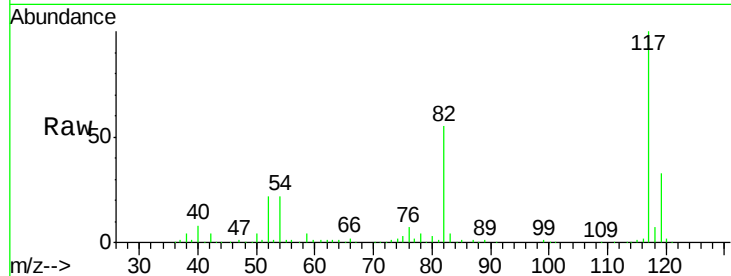




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

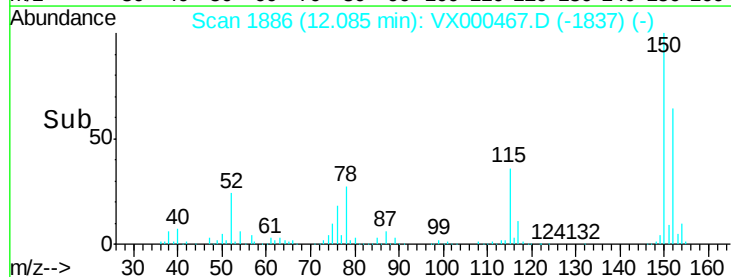
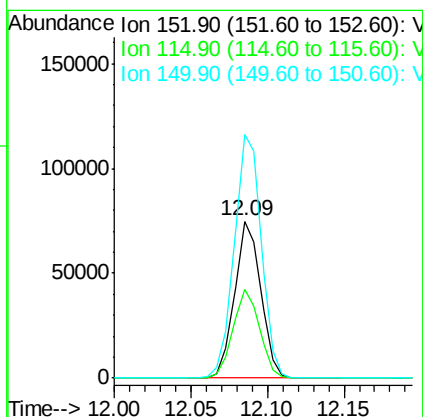
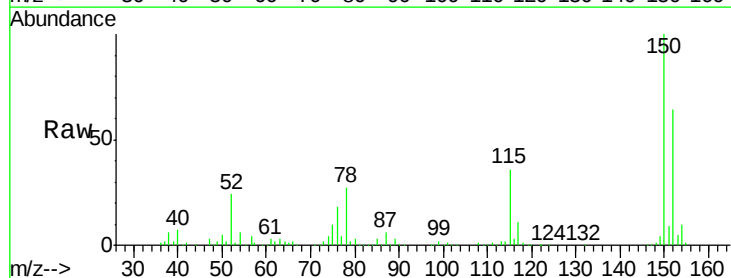
Instrument :  
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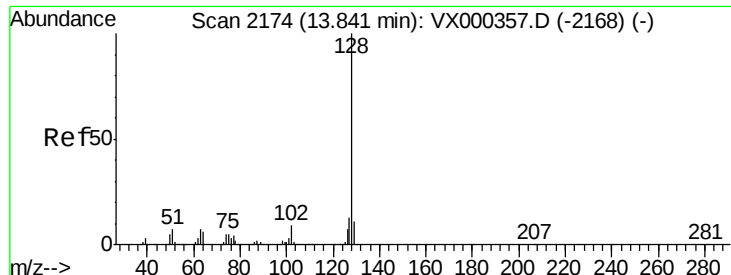
Tot Ion:117 Resp: 174952  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.8 65.8  
119 33.3 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000467.D  
Acq: 27 Mar 2018 19:03

Tgt Ion:152 Resp: 89136  
Ion Ratio Lower Upper  
152 100  
115 56.9 39.8 119.3  
150 159.5 0.0 344.4





#95

Naphthalene

Concen: 1.67 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000467.D

Acq: 27 Mar 2018 19:03

Instrument :

MSVOA\_X

ClientSampleId :

RO-CV-2536

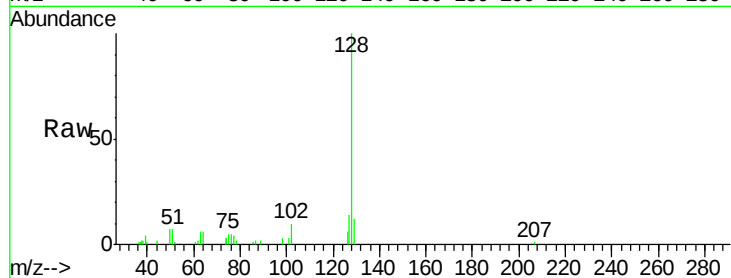
Tot Ion:128 Resp: 12185

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 12.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

