

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\  
 Data File : VX000570.D  
 Acq On : 30 Mar 2018 19:39  
 Operator : JC/MD  
 Sample : J2131-03 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 4538-9

Quant Time: Apr 04 11:19:25 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      | 5.68  | 168  | 148142   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 263604   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 266060   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 142210   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.08  | 65   | 104922   | 54.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.52% |          |
| 35) Dibromofluoromethane    | 5.52  | 113  | 81608    | 49.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.26%  |          |
| 50) Toluene-d8              | 8.73  | 98   | 332279   | 48.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.60%  |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 124727   | 43.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 87.56%  |          |

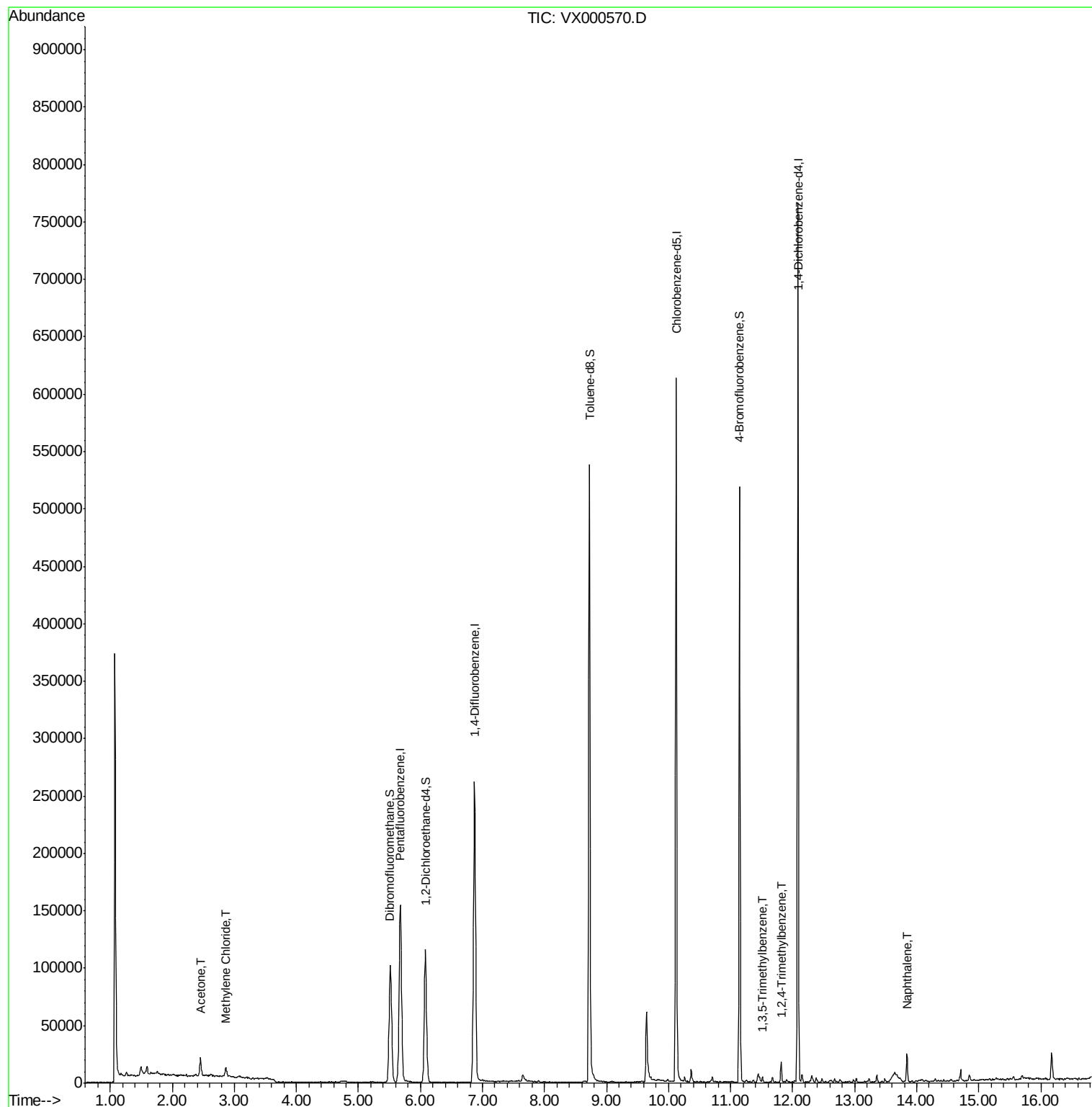
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 2.45  | 43   | 16649    | 10.35 | ug/l  | 93     |
| 20) Methylene Chloride     | 2.87  | 84   | 3137     | 1.69  | ug/l  | # 91   |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105  | 1985     | 0.25  | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 11.82 | 105  | 7495     | 0.90  | ug/l  | 97     |
| 95) Naphthalene            | 13.84 | 128  | 14334    | 1.23  | ug/l  | 100    |

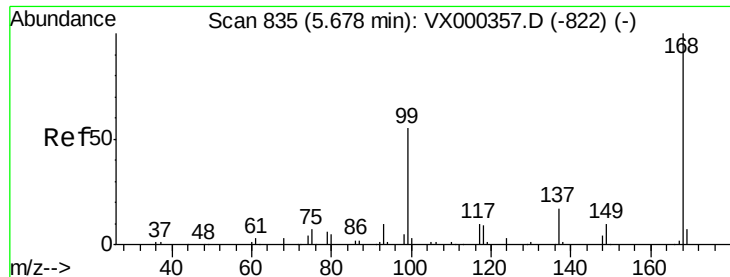
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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4538-9

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Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

Instrument :

MSVOA\_X

ClientSampled :

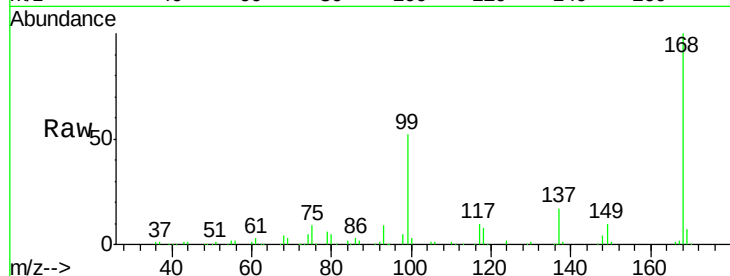
4538-9

Tot Ion:168 Resp: 148142

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

60000

50000

40000

30000

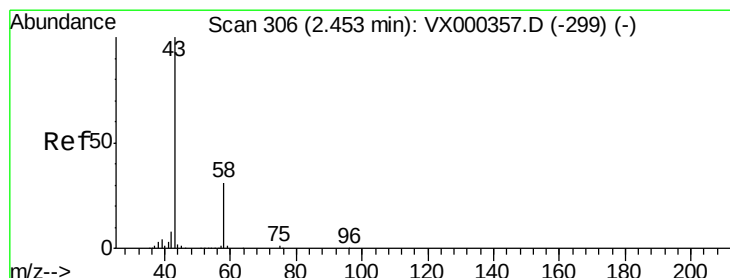
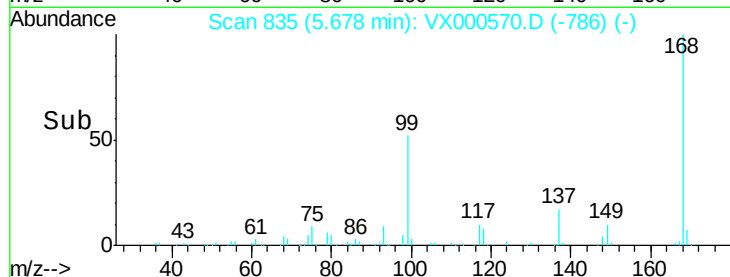
20000

10000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 10.35 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000570.D

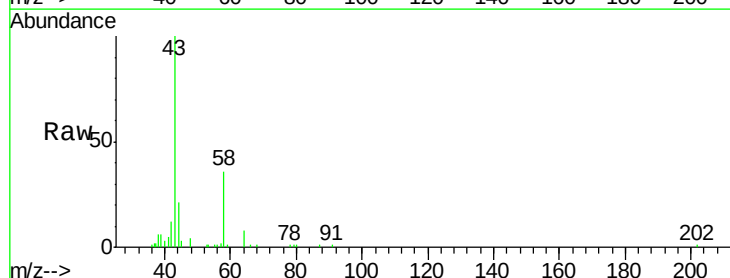
Acq: 30 Mar 2018 19:39

Tgt Ion: 43 Resp: 16649

Ion Ratio Lower Upper

43 100

58 34.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

6000

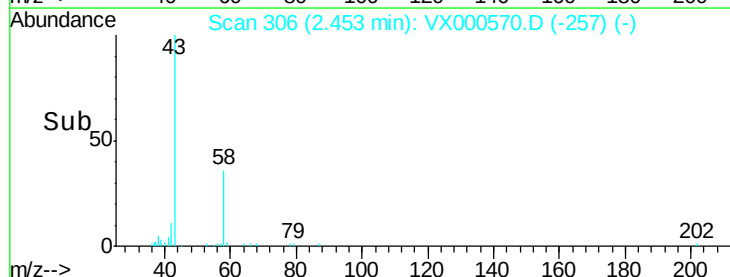
4000

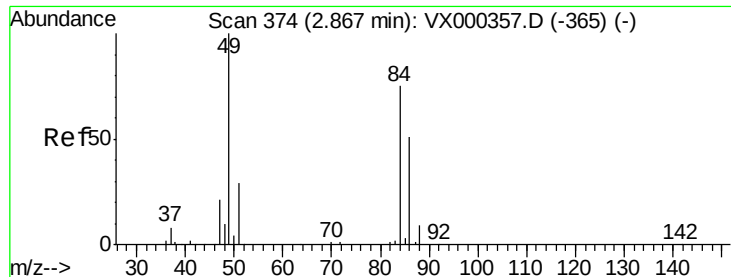
2000

0

Time-->

2.35 2.40 2.45 2.50 2.55

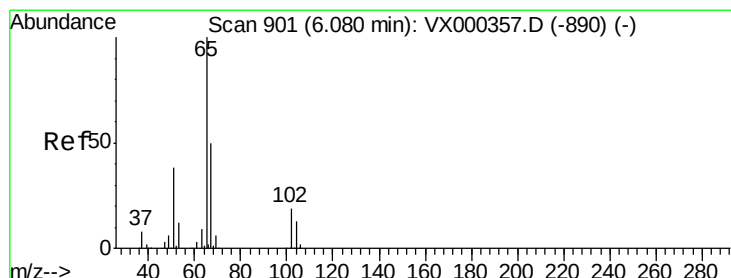
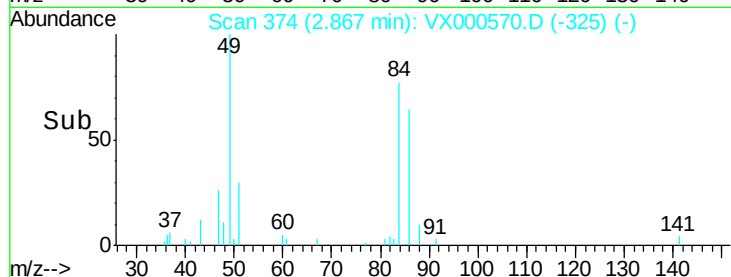
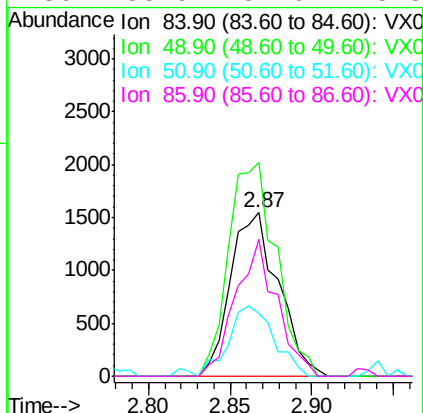
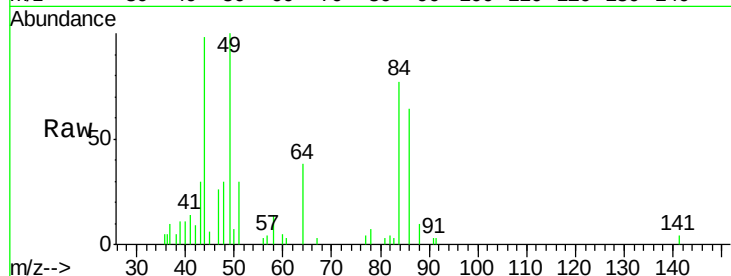




#20  
Methylene Chloride  
Concen: 1.69 ug/l  
RT: 2.87 min Scan# 374  
Delta R.T. 0.00 min  
Lab File: VX000570.D  
Acq: 30 Mar 2018 19:39

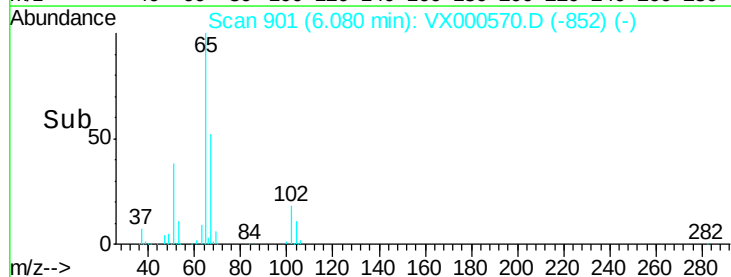
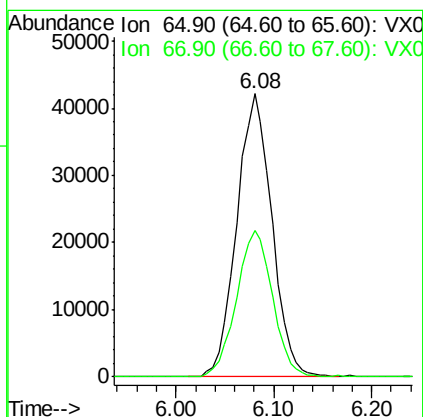
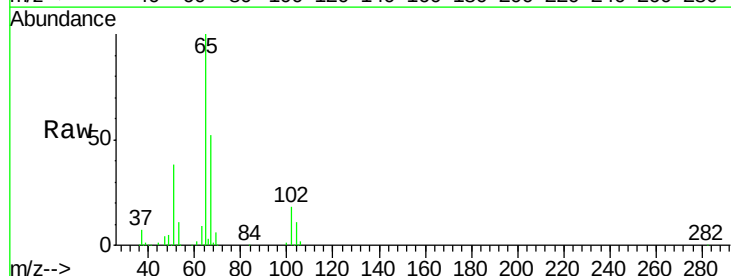
Instrument :  
MSVOA\_X  
ClientSampled :  
4538-9

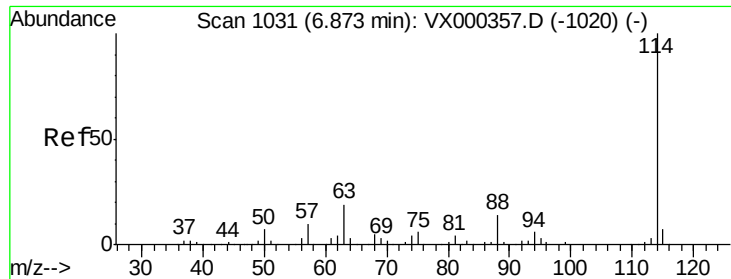
Tot Ion: 84 Resp: 3137  
Ion Ratio Lower Upper  
84 100  
49 130.7 100.6 151.0  
51 38.6 31.6 47.4  
86 83.9 52.6 78.8#



#33  
1,2-Dichloroethane-d4  
Concen: 54.26 ug/l  
RT: 6.08 min Scan# 901  
Delta R.T. 0.00 min  
Lab File: VX000570.D  
Acq: 30 Mar 2018 19:39

Tgt Ion: 65 Resp: 104922  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

Instrument :

MSVOA\_X

ClientSampled :

4538-9

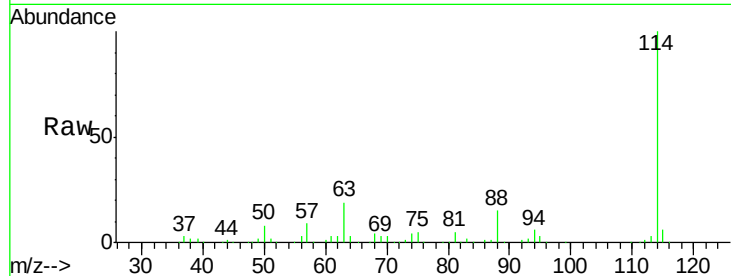
Tot Ion:114 Resp: 263604

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

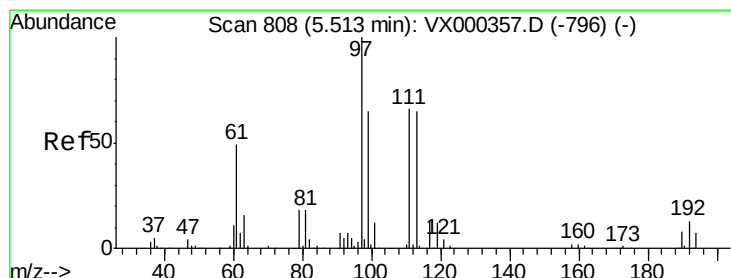
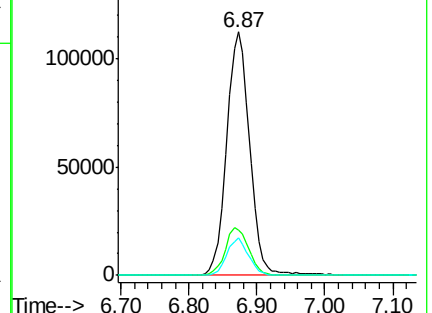
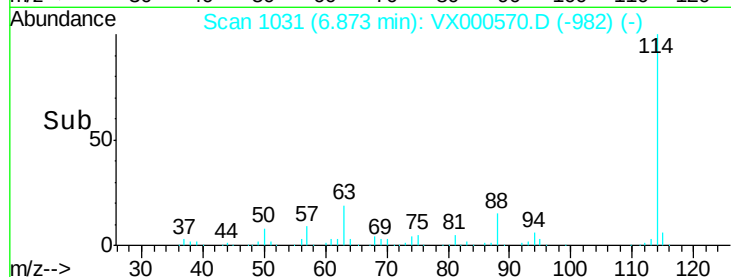
88 15.3 0.0 27.0



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: 49.13 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

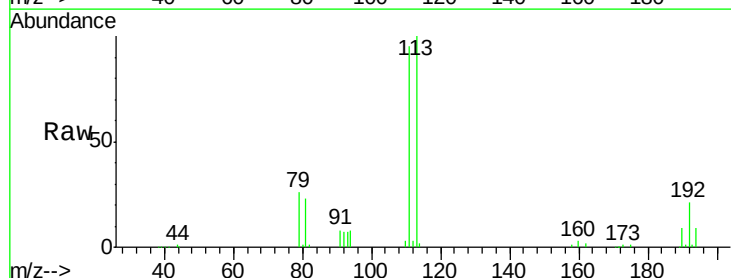
Tgt Ion:113 Resp: 81608

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

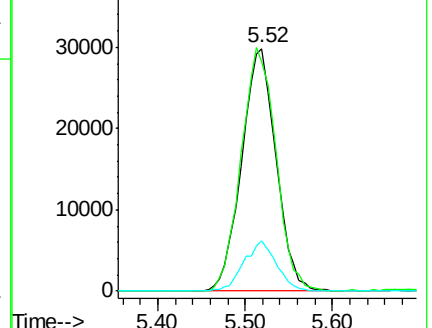
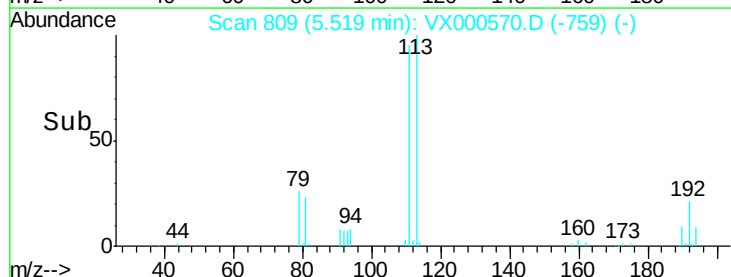
192 19.7 15.8 23.6

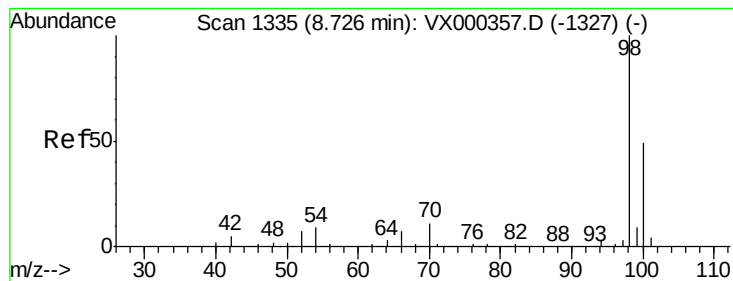


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.30 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

Instrument :

MSVOA\_X

ClientSampleId :

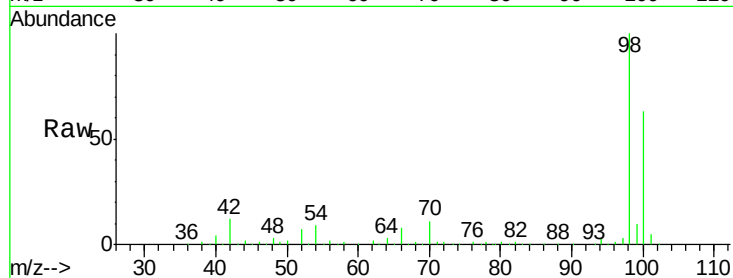
4538-9

Tot Ion: 98 Resp: 332279

Ion Ratio Lower Upper

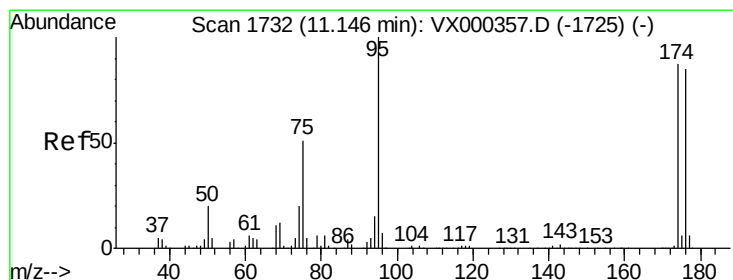
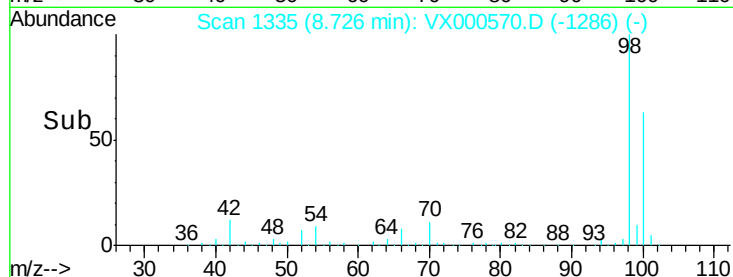
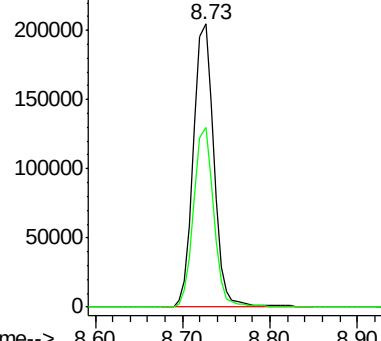
98 100

100 62.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.78 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

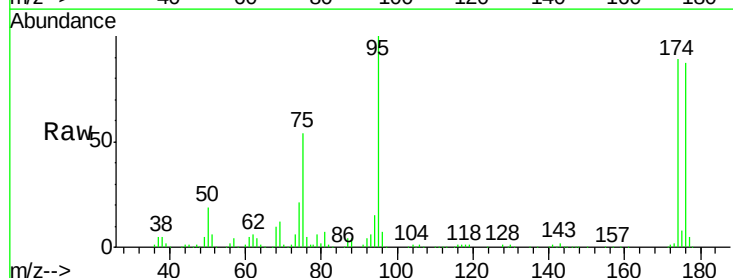
Tgt Ion: 95 Resp: 124727

Ion Ratio Lower Upper

95 100

174 86.1 0.0 173.6

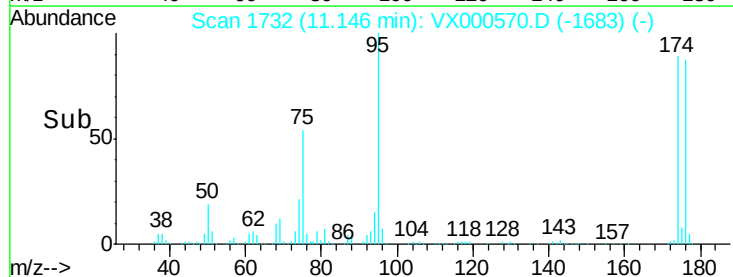
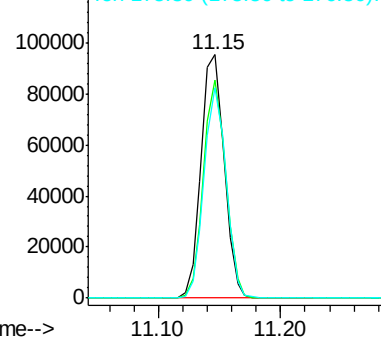
176 82.7 0.0 164.6

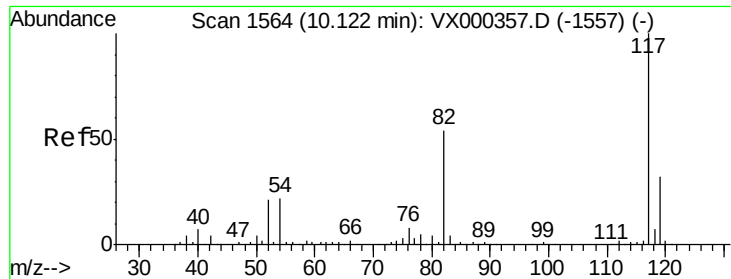


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

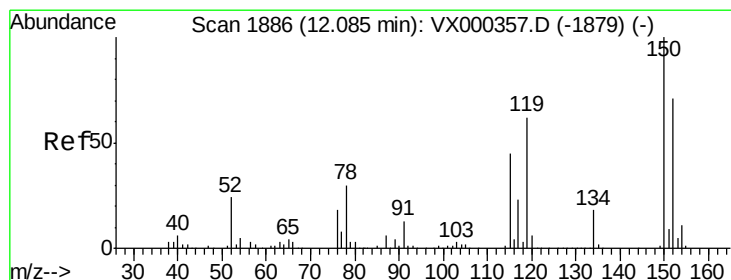
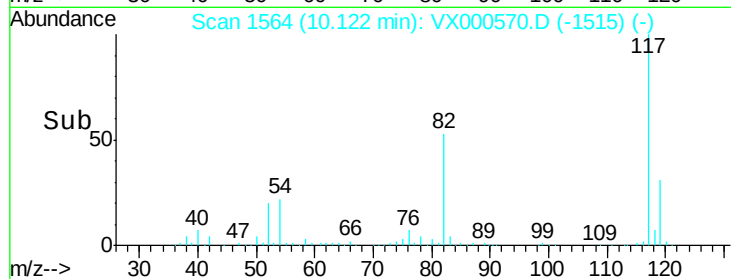
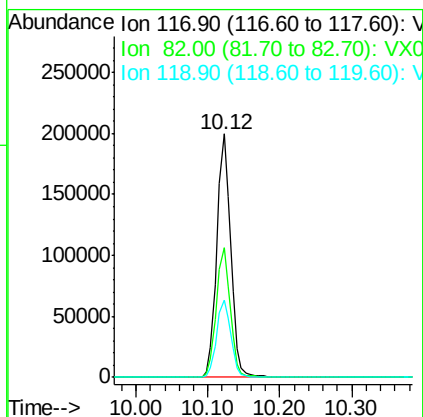
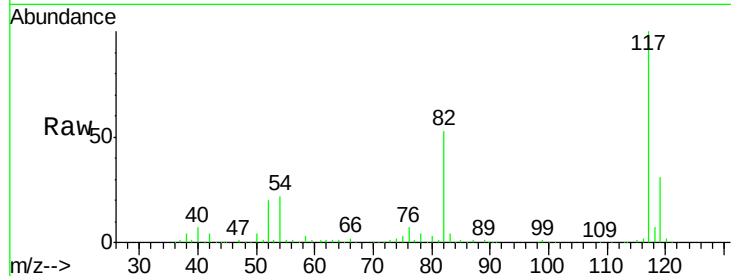




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VX000570.D  
Acq: 30 Mar 2018 19:39

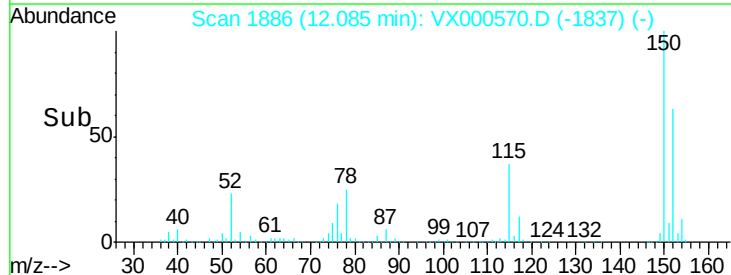
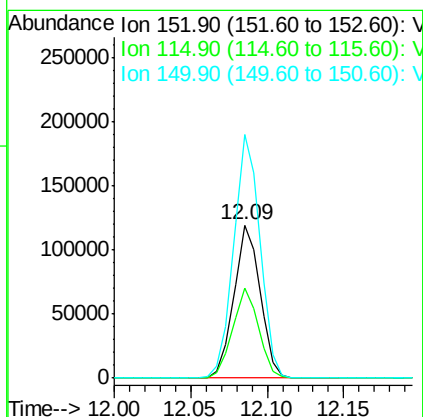
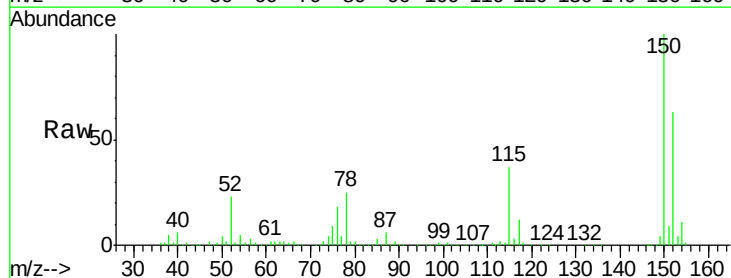
Instrument :  
MSVOA\_X  
ClientSampled :  
4538-9

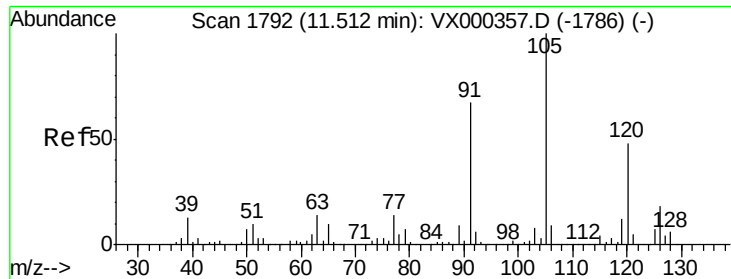
Tot Ion:117 Resp: 266060  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.8 65.8  
119 31.5 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX000570.D  
Acq: 30 Mar 2018 19:39

Tgt Ion:152 Resp: 142210  
Ion Ratio Lower Upper  
152 100  
115 58.1 39.8 119.3  
150 159.0 0.0 344.4

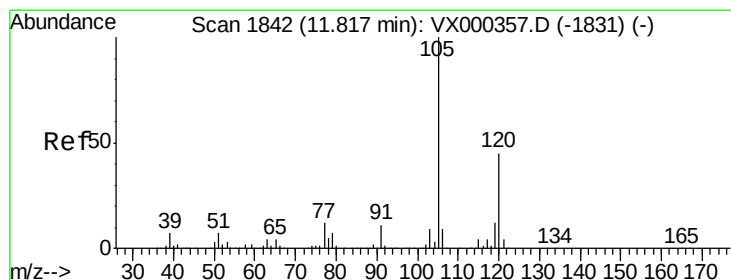
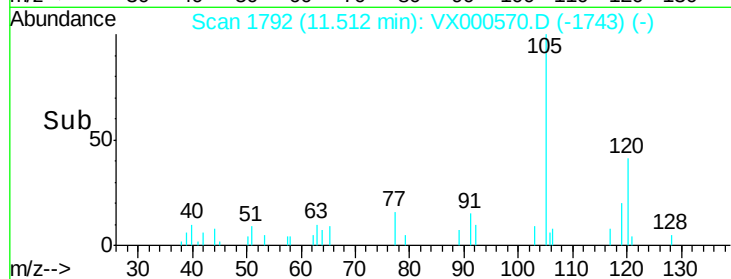
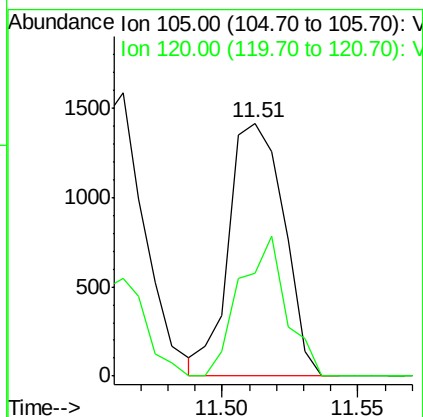
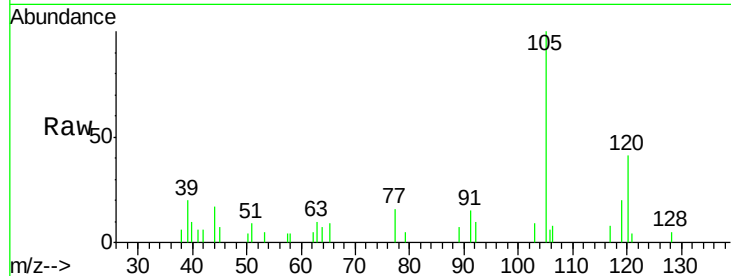




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.25 ug/l  
 RT: 11.51 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX000570.D  
 Acq: 30 Mar 2018 19:39

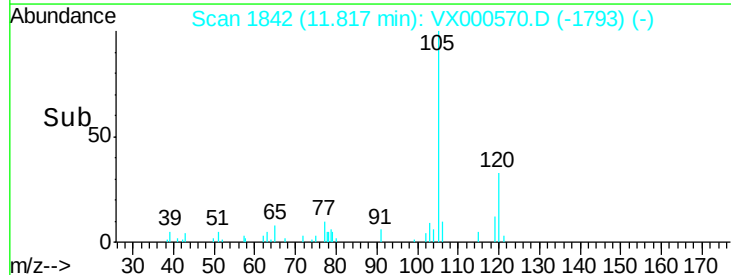
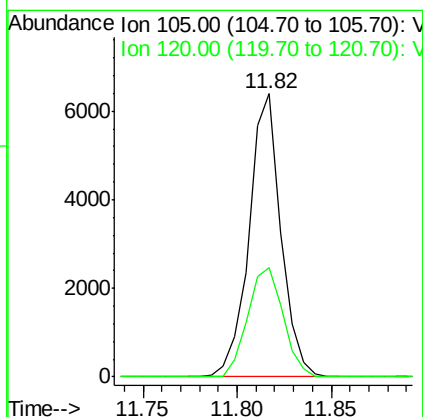
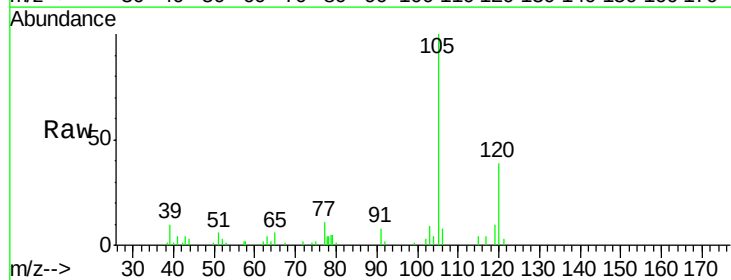
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 4538-9

Tot Ion:105 Resp: 1985  
 Ion Ratio Lower Upper  
 105 100  
 120 46.4 24.1 72.4

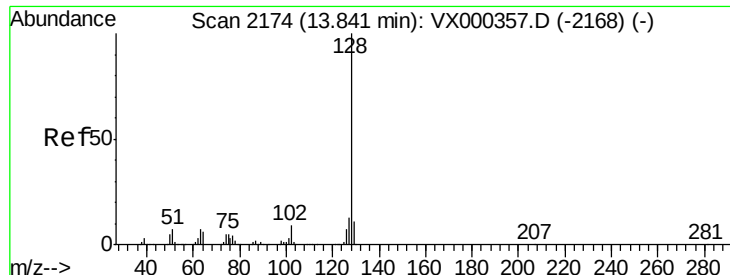


#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.90 ug/l  
 RT: 11.82 min Scan# 1842  
 Delta R.T. 0.00 min  
 Lab File: VX000570.D  
 Acq: 30 Mar 2018 19:39

Tgt Ion:105 Resp: 7495  
 Ion Ratio Lower Upper  
 105 100  
 120 42.7 22.4 67.3







#95

Naphthalene

Concen: 1.23 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX000570.D

Acq: 30 Mar 2018 19:39

Instrument :

MSVOA\_X

ClientSampleId :

4538-9

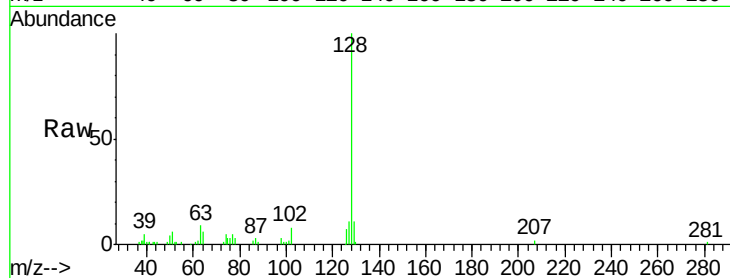
Tot Ion:128 Resp: 14334

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 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

