

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX111418\  
 Data File : VX005977.D  
 Acq On : 14 Nov 2018 16:35  
 Operator : JC/MD  
 Sample : PB114787TB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB114787TB

Quant Time: Nov 15 01:16:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

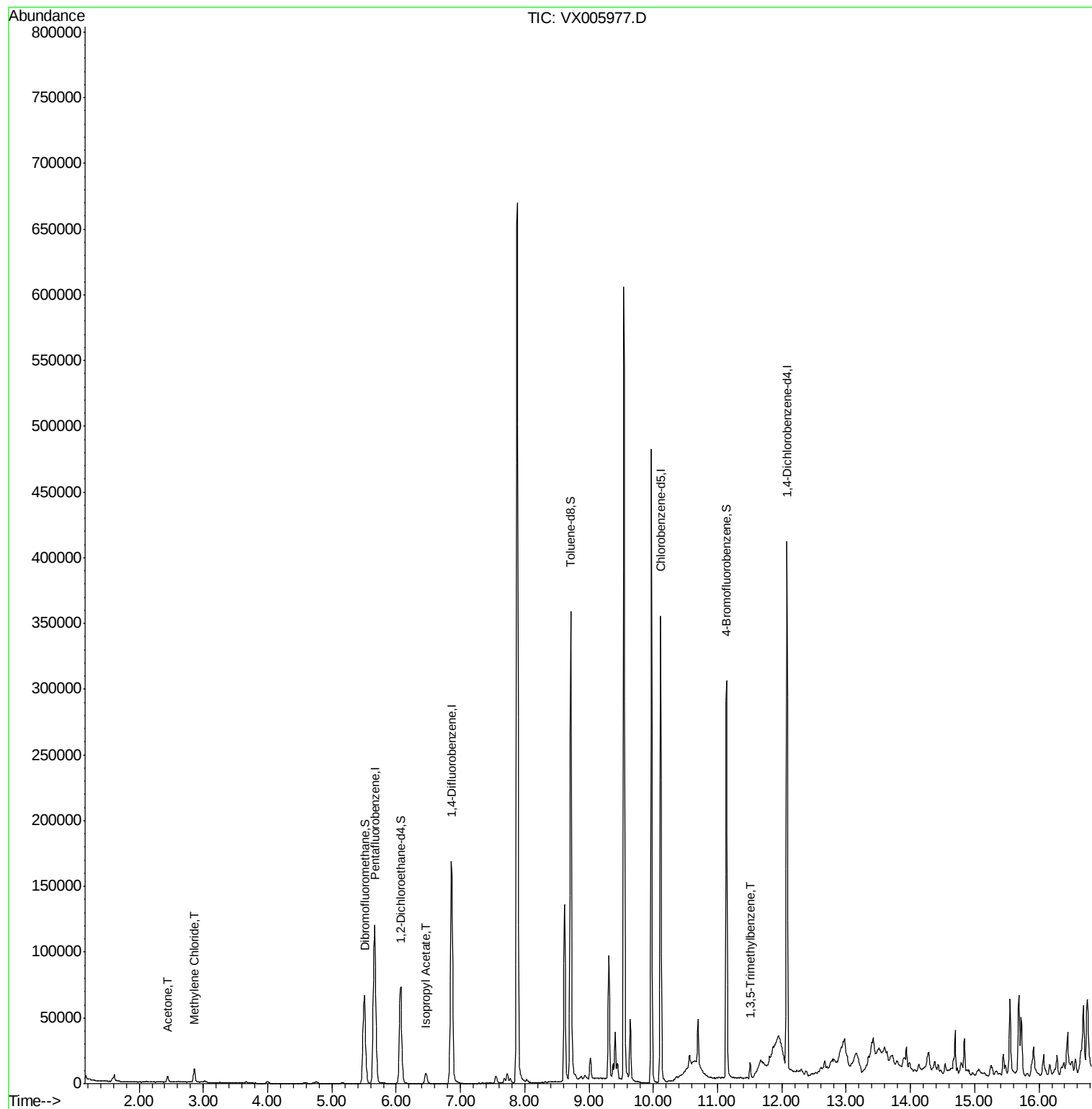
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 119409   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 176001   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 162414   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 84043    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 72778    | 53.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.04% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 55634    | 46.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.96%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 216913   | 54.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.00% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 79753    | 55.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.48% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.44  | 43   | 5084     | 6.88  | ug/l    | 91       |
| 20) Methylene Chloride      | 2.85  | 84   | 4356     | 3.59  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 10583    | 3.27  | ug/l    | 96       |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 4893     | 1.18  | ug/l    | 99       |

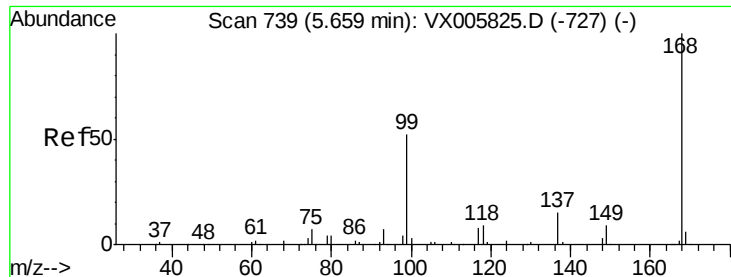
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005977.D

Acq: 14 Nov 2018 16:35

Instrument :

MSVOA\_X

ClientSampleId :

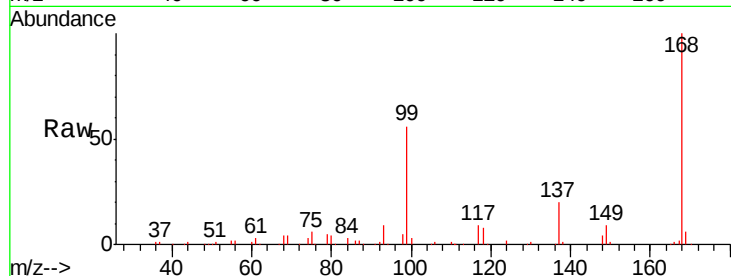
PB114787TB

Tgt Ion:168 Resp: 119409

Ion Ratio Lower Upper

168 100

99 56.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

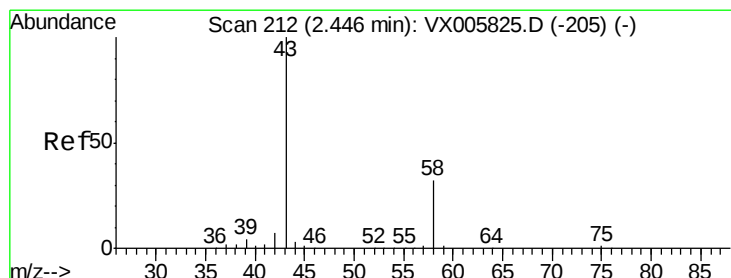
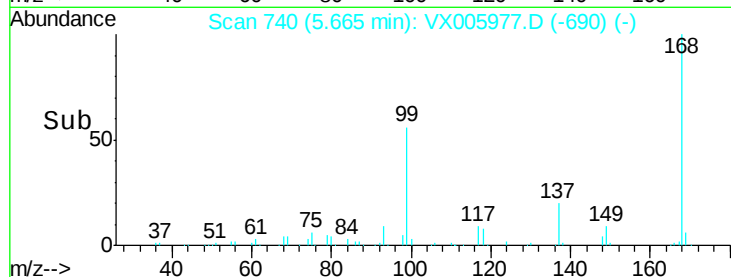
20000

10000

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 6.88 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005977.D

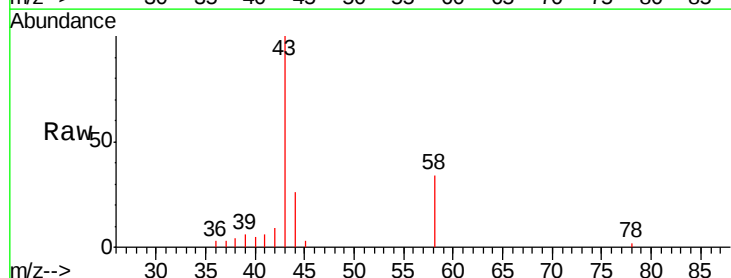
Acq: 14 Nov 2018 16:35

Tgt Ion: 43 Resp: 5084

Ion Ratio Lower Upper

43 100

58 34.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

3000

2500

2000

1500

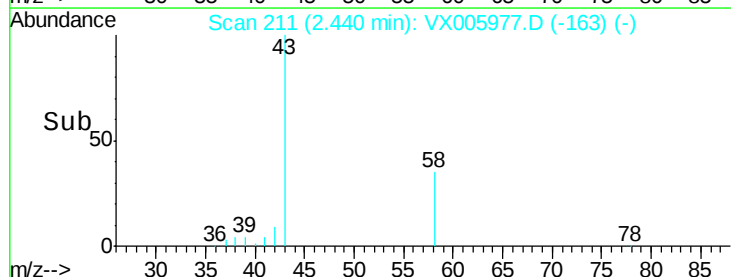
1000

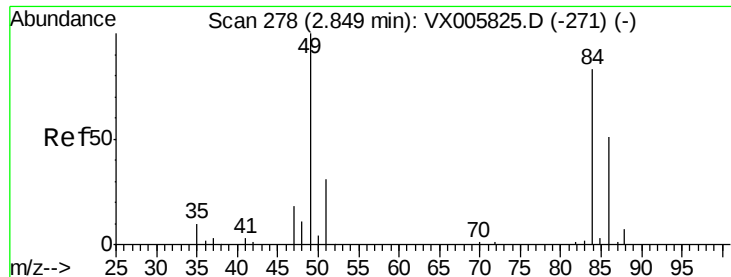
500

0

2.40 2.50

Time-->

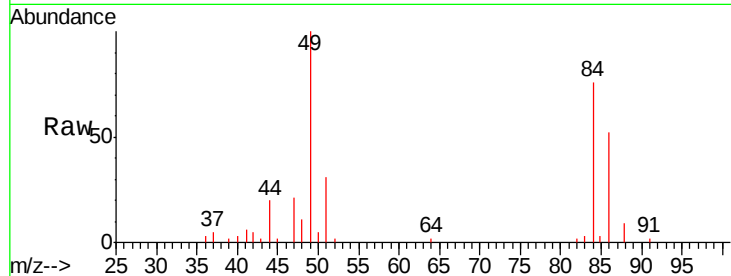




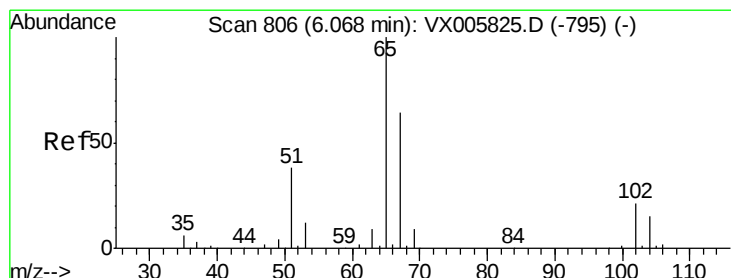
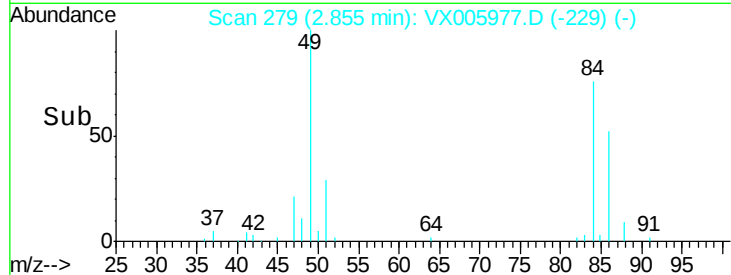
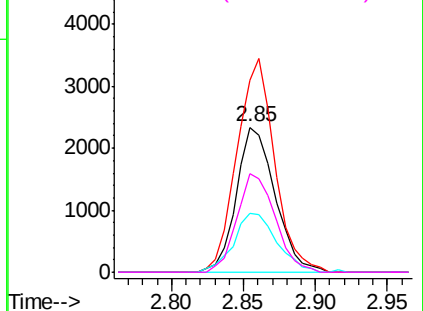
#20  
Methylene Chloride  
Concen: 3.59 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.01 min  
Lab File: VX005977.D  
Acq: 14 Nov 2018 16:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114787TB

Tgt Ion: 84 Resp: 4356  
Ion Ratio Lower Upper  
84 100  
49 132.2 109.5 164.3  
51 40.8 33.3 49.9  
86 68.4 52.7 79.1

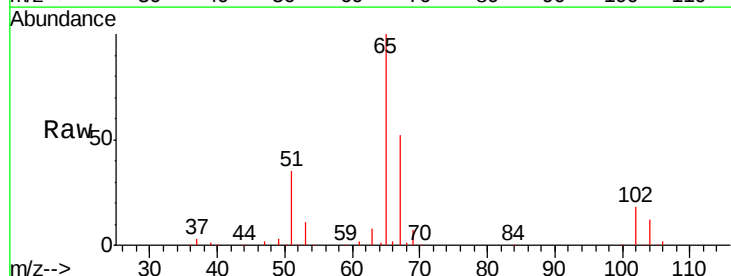


Abundance Ion 83.90 (83.60 to 84.60): VX0  
Ion 48.90 (48.60 to 49.60): VX0  
Ion 50.90 (50.60 to 51.60): VX0  
Ion 85.90 (85.60 to 86.60): VX0

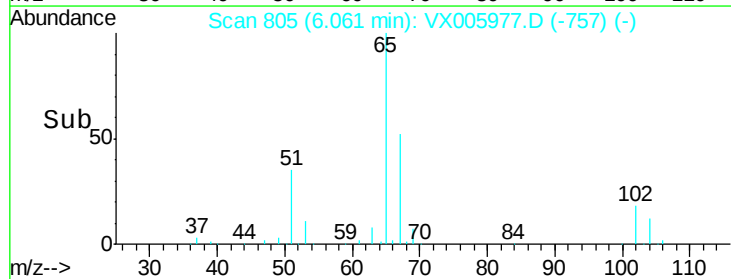
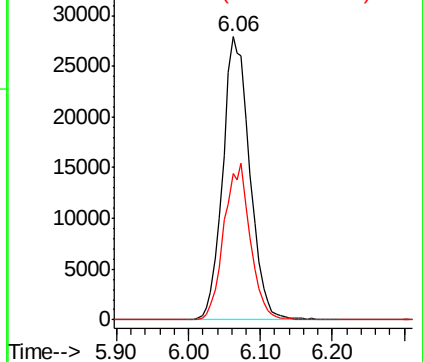


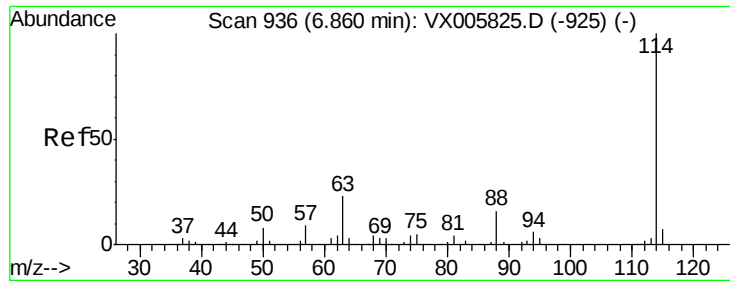
#33  
1,2-Dichloroethane-d4  
Concen: 53.02 ug/l  
RT: 6.06 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: VX005977.D  
Acq: 14 Nov 2018 16:35

Tgt Ion: 65 Resp: 72778  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 105.0



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

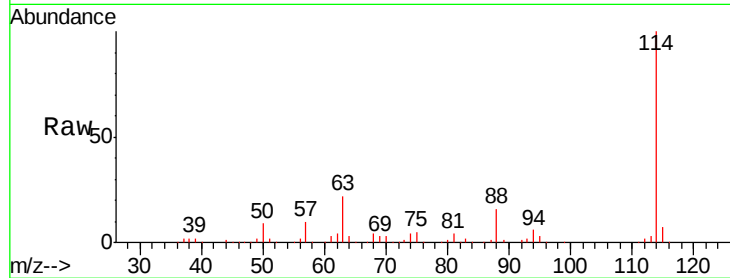




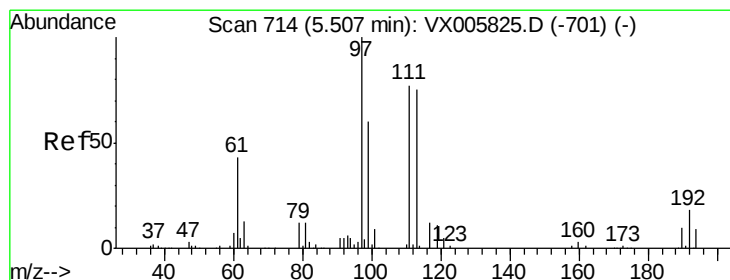
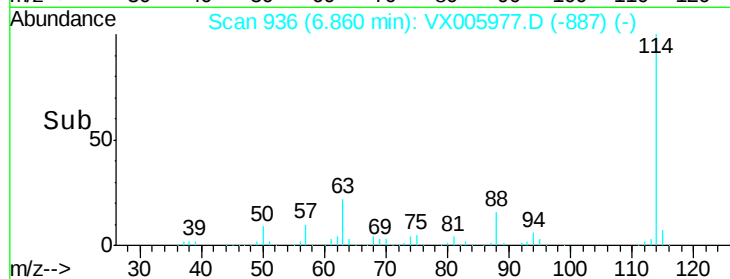
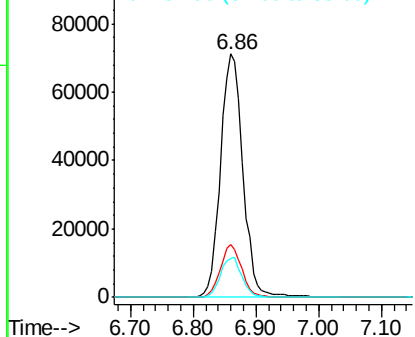
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.86 min Scan# 936  
Delta R.T. -0.00 min  
Lab File: VX005977.D  
Acq: 14 Nov 2018 16:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB114787TB

Tgt Ion:114 Resp: 176001  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 42.8  
88 15.8 0.0 31.2

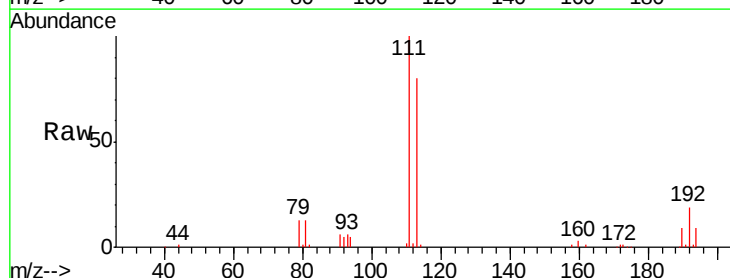


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

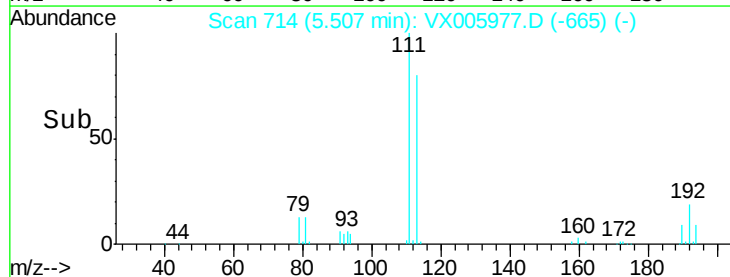
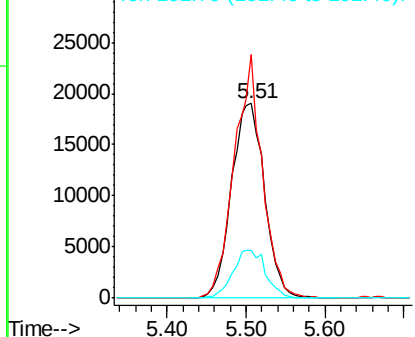


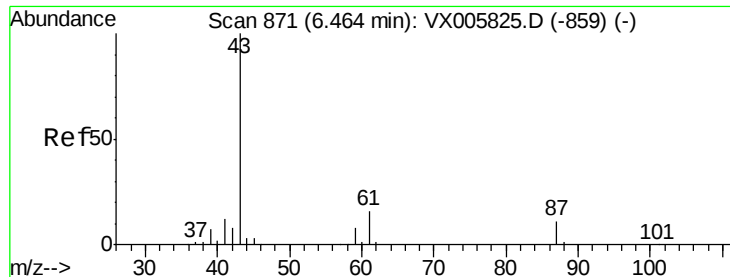
#35  
Dibromofluoromethane  
Concen: 46.48 ug/l  
RT: 5.51 min Scan# 714  
Delta R.T. -0.00 min  
Lab File: VX005977.D  
Acq: 14 Nov 2018 16:35

Tgt Ion:113 Resp: 55634  
Ion Ratio Lower Upper  
113 100  
111 106.1 82.3 123.5  
192 24.4 17.9 26.9



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





#43

Isopropyl Acetate

Concen: 3.27 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005977.D

Acq: 14 Nov 2018 16:35

Instrument :

MSVOA\_X

ClientSampleId :

PB114787TB

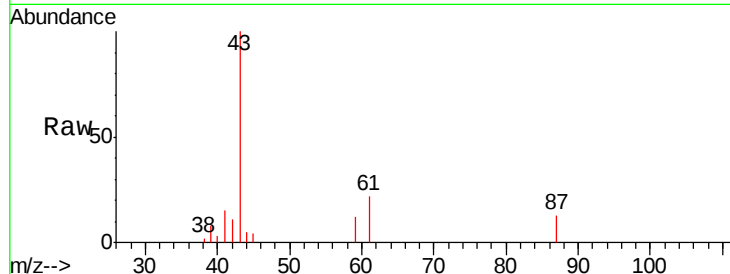
Tgt Ion: 43 Resp: 10583

Ion Ratio Lower Upper

43 100

61 20.9 14.6 22.0

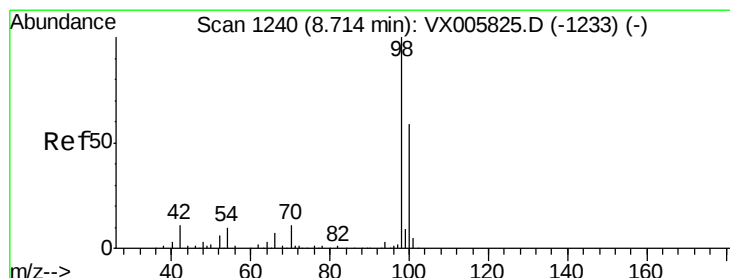
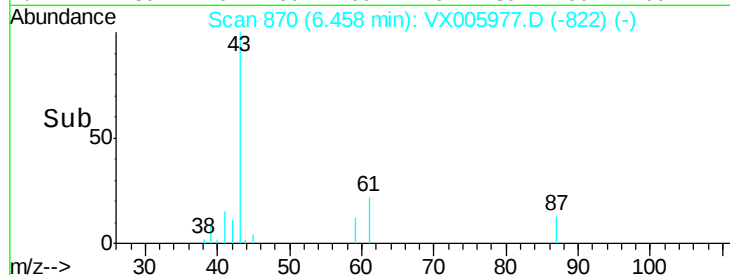
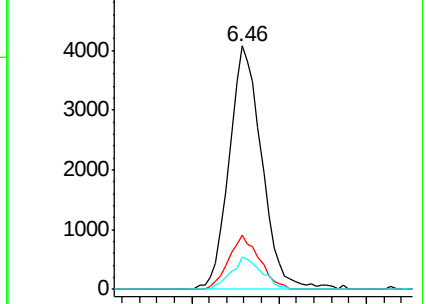
87 12.3 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 54.50 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005977.D

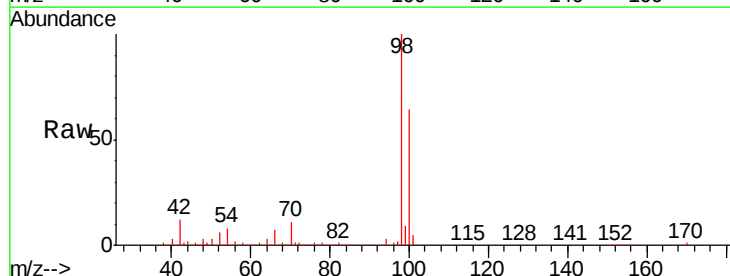
Acq: 14 Nov 2018 16:35

Tgt Ion: 98 Resp: 216913

Ion Ratio Lower Upper

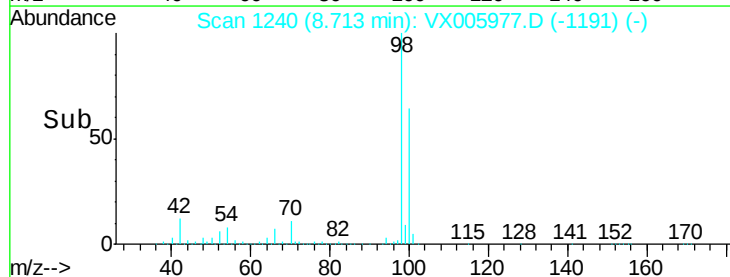
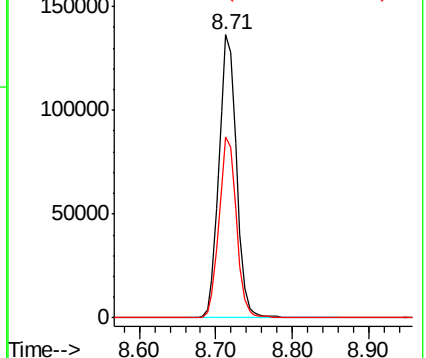
98 100

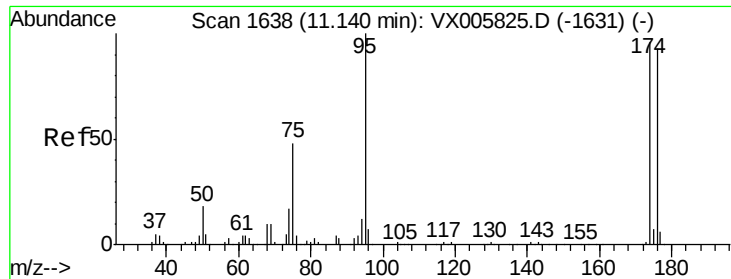
100 63.5 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 55.74 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005977.D

Acq: 14 Nov 2018 16:35

Instrument :

MSVOA\_X

ClientSampleId :

PB114787TB

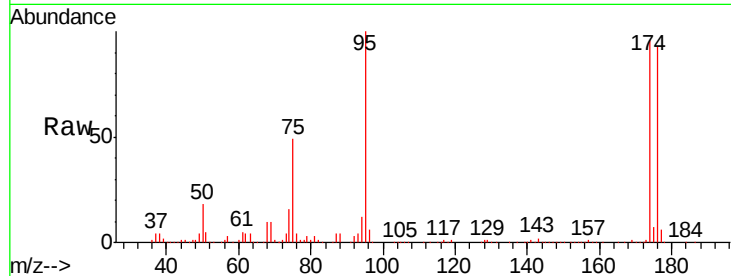
Tgt Ion: 95 Resp: 79753

Ion Ratio Lower Upper

95 100

174 89.6 0.0 184.4

176 86.3 0.0 177.4

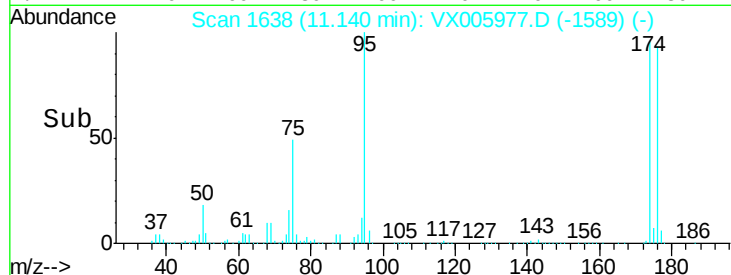


Abundance Ion 94.90 (94.60 to 95.60): VX005977.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005977.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005977.D (-1589) (-)

Time--> 11.00 11.10 11.20

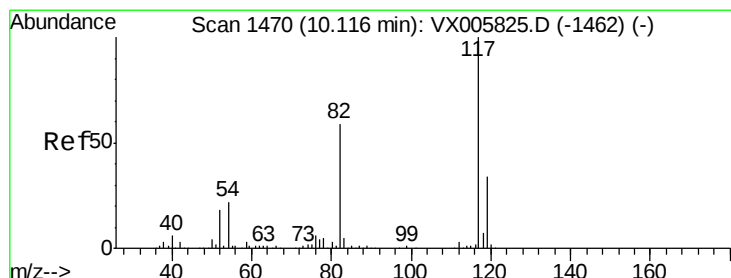


Abundance Ion 94.90 (94.60 to 95.60): VX005977.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX005977.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX005977.D (-1589) (-)

Time--> 11.00 11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005977.D

Acq: 14 Nov 2018 16:35

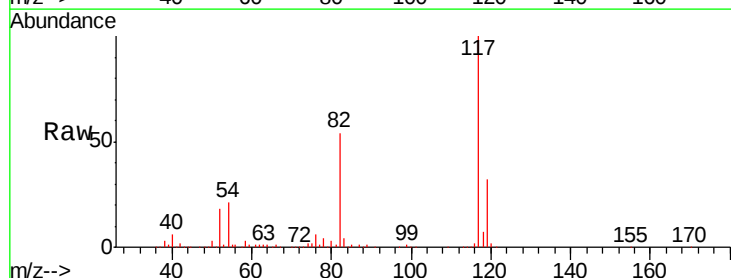
Tgt Ion: 117 Resp: 162414

Ion Ratio Lower Upper

117 100

82 53.8 44.1 66.1

119 31.5 26.2 39.2

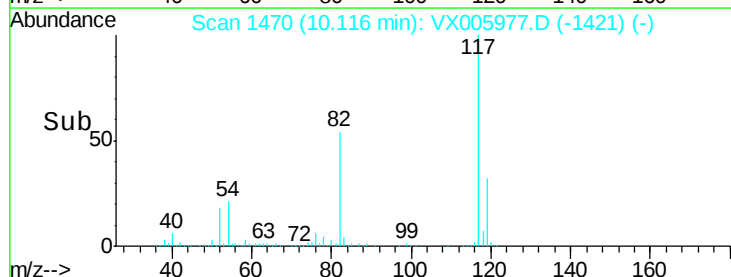


Abundance Ion 116.90 (116.60 to 117.60): VX005977.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005977.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005977.D (-1421) (-)

Time--> 10.00 10.10 10.20 10.30

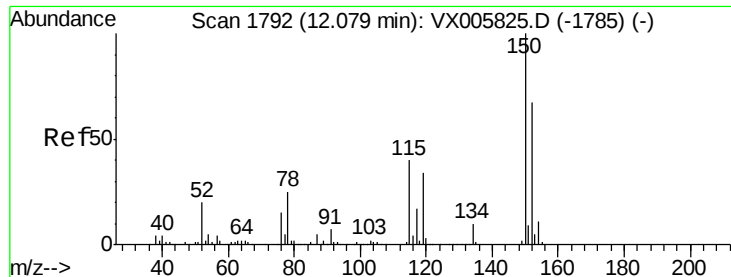


Abundance Ion 116.90 (116.60 to 117.60): VX005977.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX005977.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX005977.D (-1421) (-)

Time--> 10.00 10.10 10.20 10.30



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005977.D

Acq: 14 Nov 2018 16:35

Instrument :

MSVOA\_X

ClientSampleId :

PB114787TB

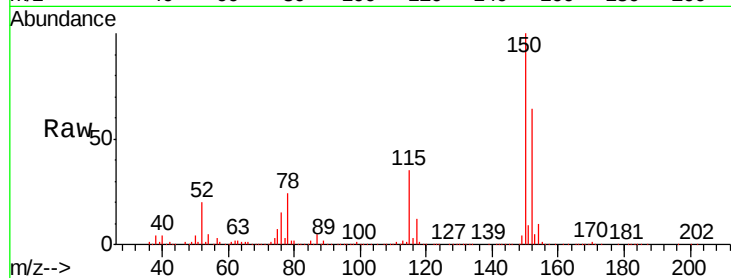
Tgt Ion:152 Resp: 84043

Ion Ratio Lower Upper

152 100

115 56.2 39.4 118.1

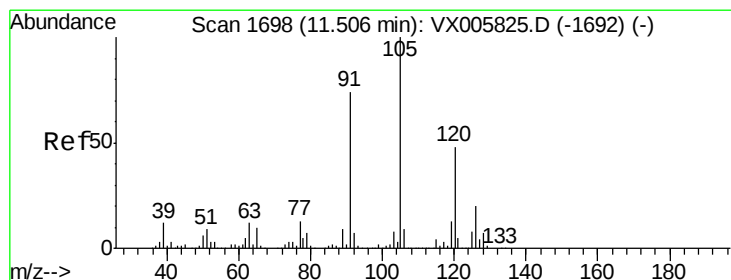
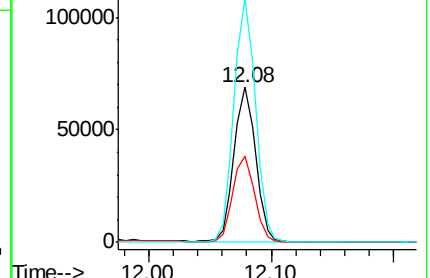
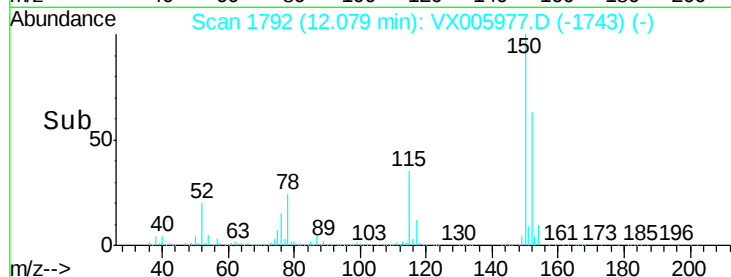
150 157.8 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#80

1,3,5-Trimethylbenzene

Concen: 1.18 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005977.D

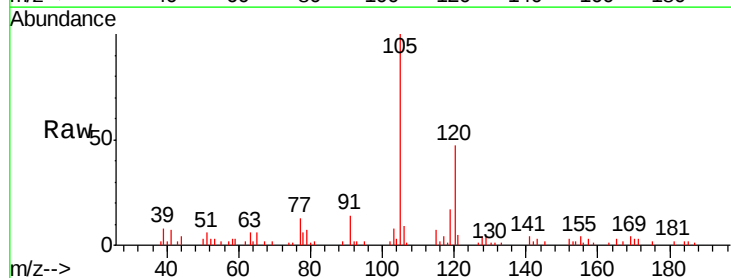
Acq: 14 Nov 2018 16:35

Tgt Ion:105 Resp: 4893

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

