

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061218\  
 Data File : VX002473.D  
 Acq On : 12 Jun 2018 18:11  
 Operator : JC/MD  
 Sample : J3404-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST007MW053-180607

Quant Time: Jun 13 02:12:17 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 05 03:22:35 2018  
 Response via : Initial Calibration

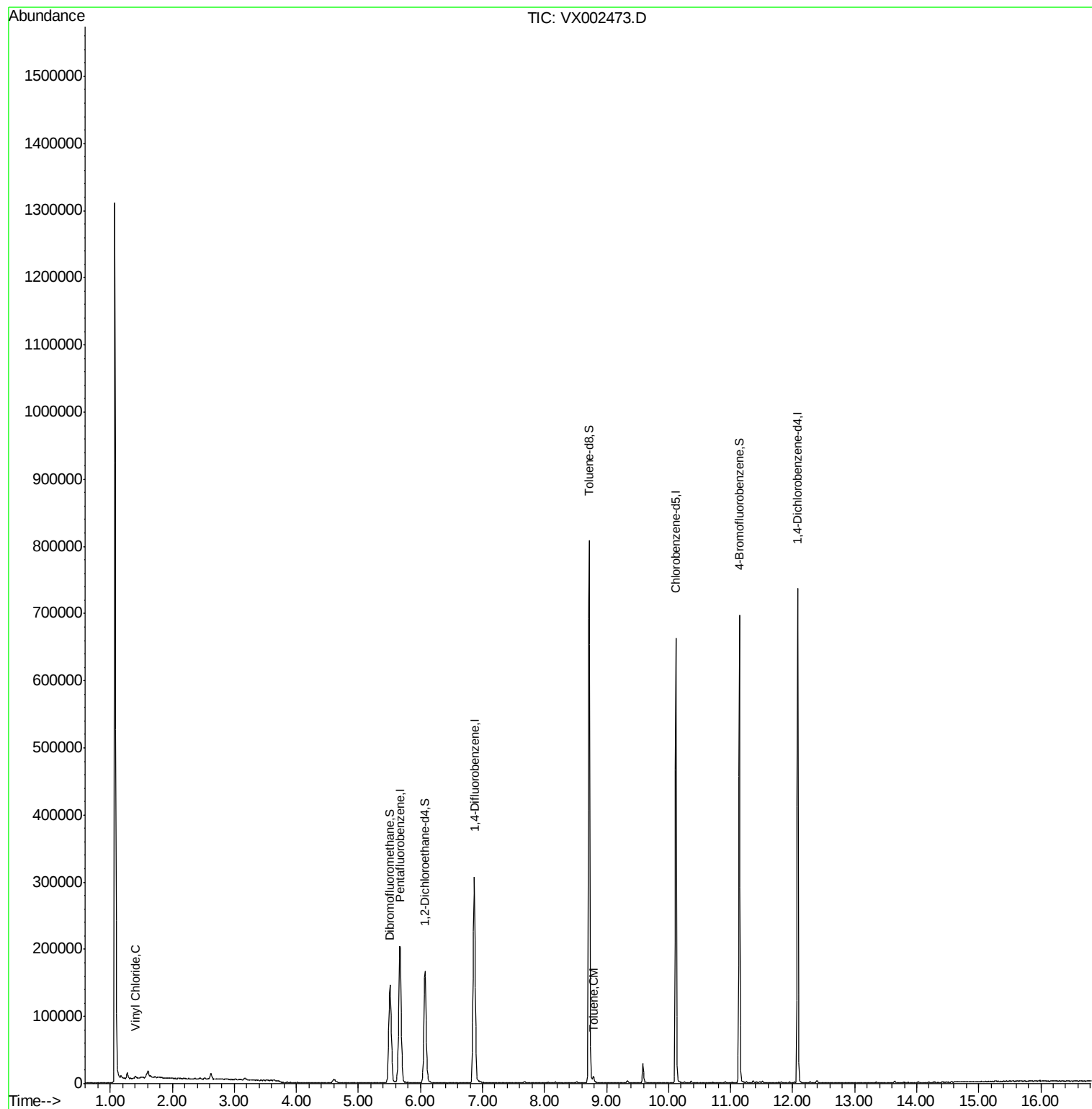
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 198771   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 296468   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 279017   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 152738   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 158862   | 56.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.66% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 117696   | 50.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.96% |          |
| 50) Toluene-d8              | 8.72  | 98   | 461180   | 51.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.22% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 159396   | 46.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.52%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 1517     | 0.583 | ug/l #  | 61       |
| 52) Toluene                 | 8.79  | 92   | 2646     | 0.435 | ug/l    | 97       |

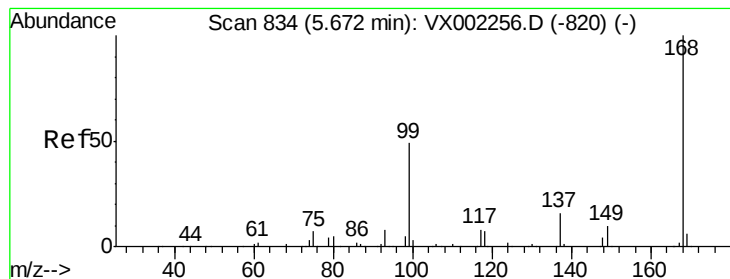
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
ST007MW053-180607

Quant Time: Jun 13 02:12:17 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X060418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 05 03:22:35 2018  
Response via : Initial Calibration

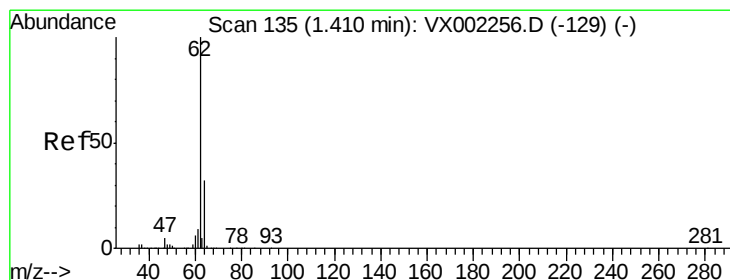
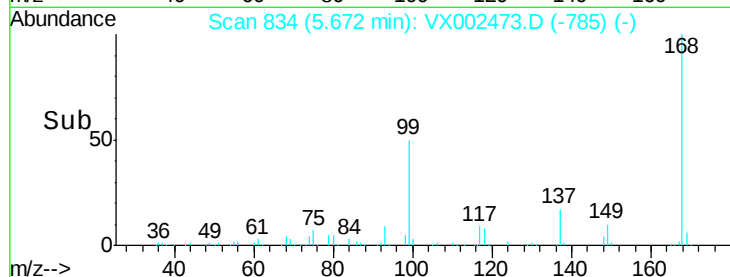
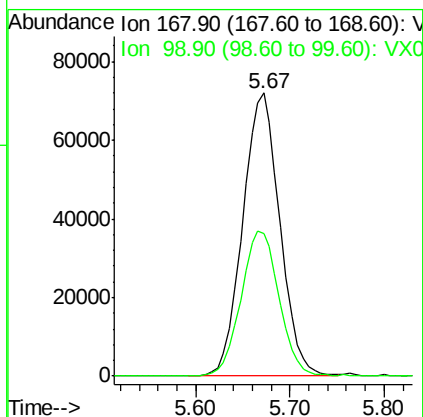
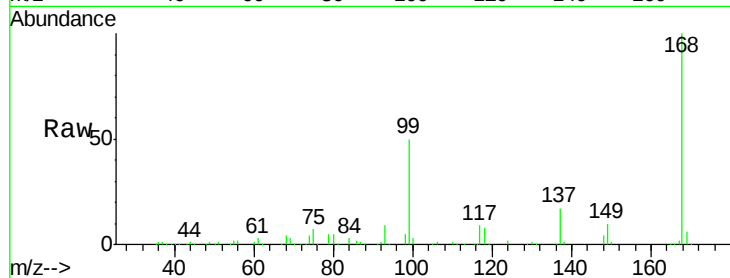




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.67 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: VX002473.D  
Acq: 12 Jun 2018 18:11

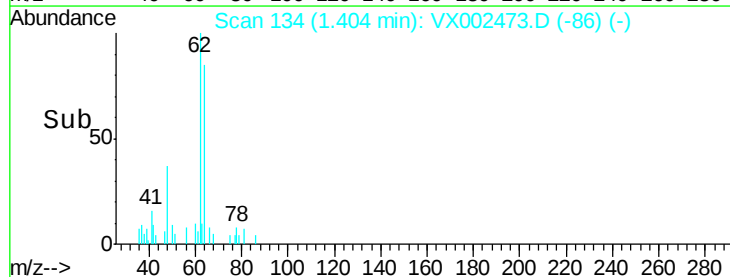
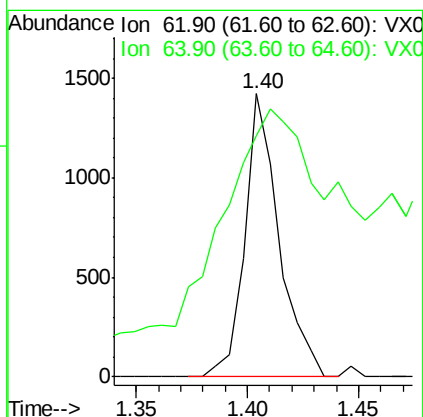
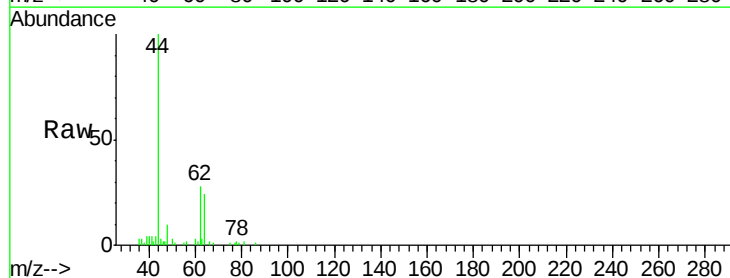
Instrument :  
MSVOA\_X  
ClientSampleId :  
ST007MW053-180607

Tot Ion:168 Resp: 198771  
Ion Ratio Lower Upper  
168 100  
99 50.4 39.3 58.9



#4  
Vinyl Chloride  
Concen: 0.583 ug/l  
RT: 1.40 min Scan# 134  
Delta R.T. -0.01 min  
Lab File: VX002473.D  
Acq: 12 Jun 2018 18:11

Tgt Ion: 62 Resp: 1517  
Ion Ratio Lower Upper  
62 100  
64 53.4 25.4 38.2#





#33

1,2-Dichloroethane-d4

Concen: 56.327 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA\_X

ClientSampleId :

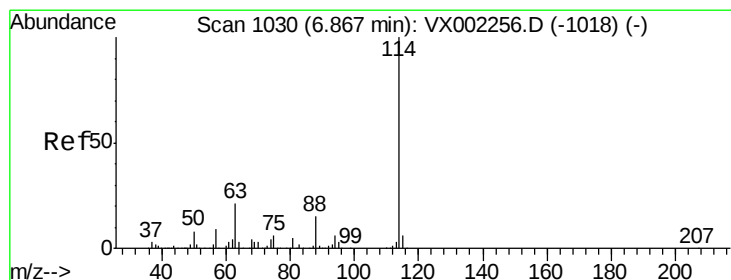
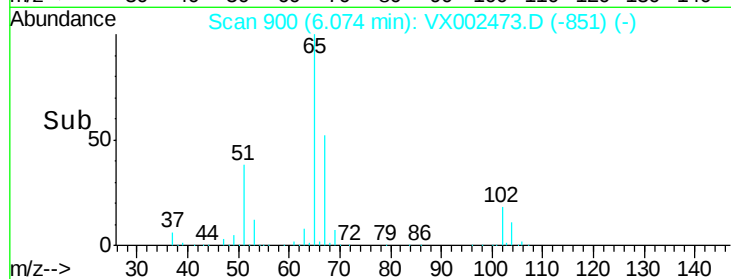
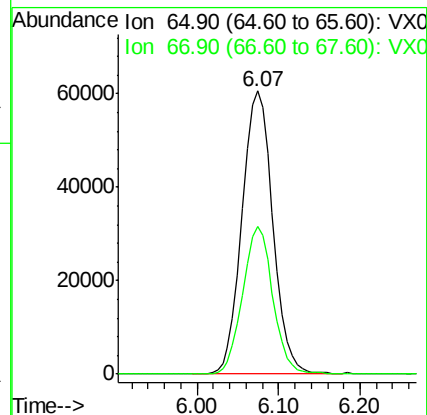
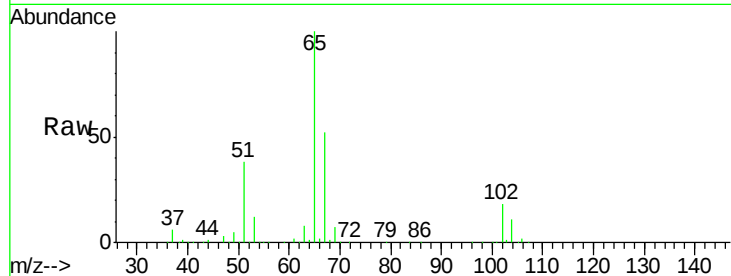
ST007MW053-180607

Tot Ion: 65 Resp: 158862

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

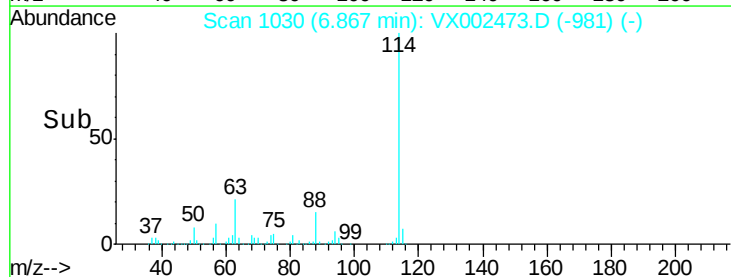
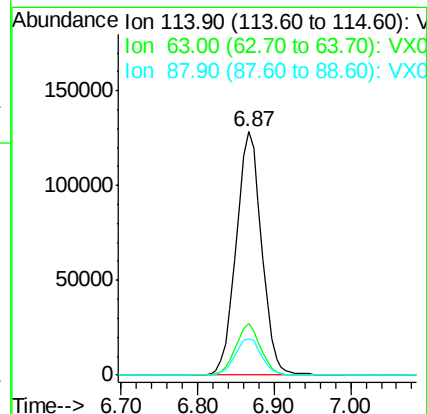
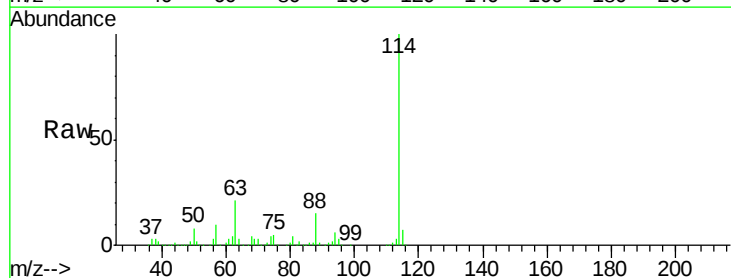
Tgt Ion: 114 Resp: 296468

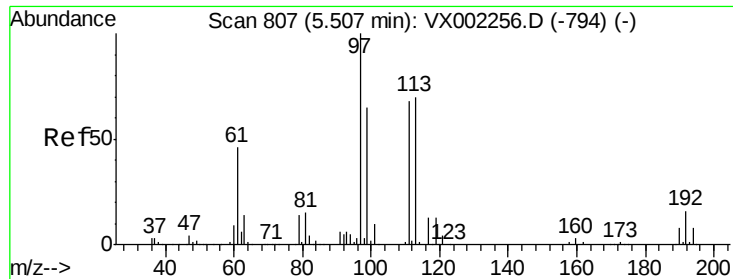
Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

88 15.0 0.0 30.0

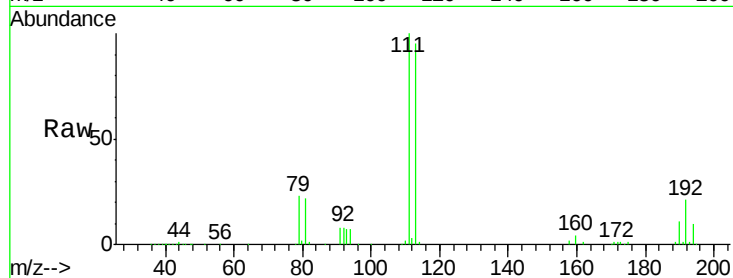




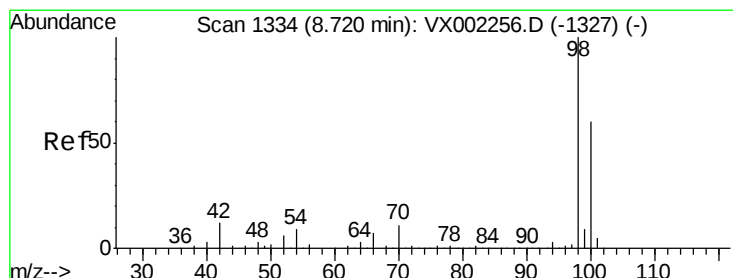
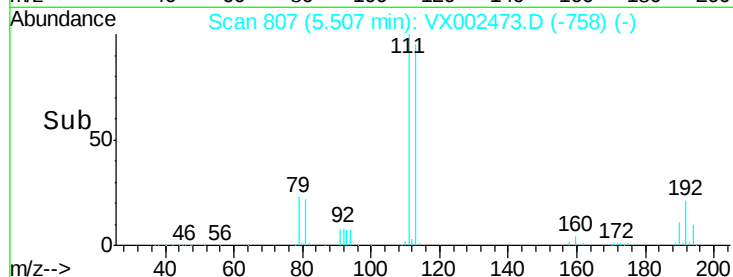
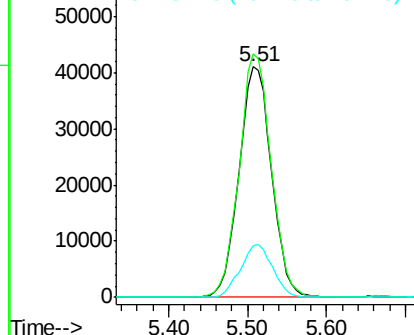
#35  
 Dibromofluoromethane  
 Concen: 50.482 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. -0.00 min  
 Lab File: VX002473.D  
 Acq: 12 Jun 2018 18:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST007MW053-180607

Tot Ion:113 Resp: 117696  
 Ion Ratio Lower Upper  
 113 100  
 111 104.2 81.4 122.0  
 192 22.6 19.1 28.7

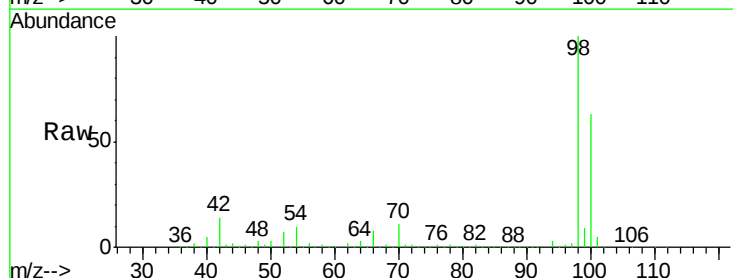


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

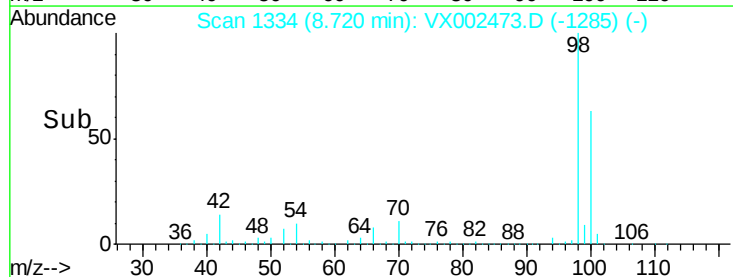
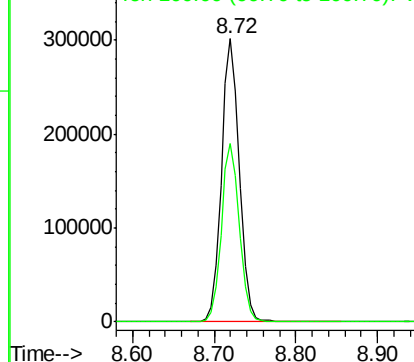


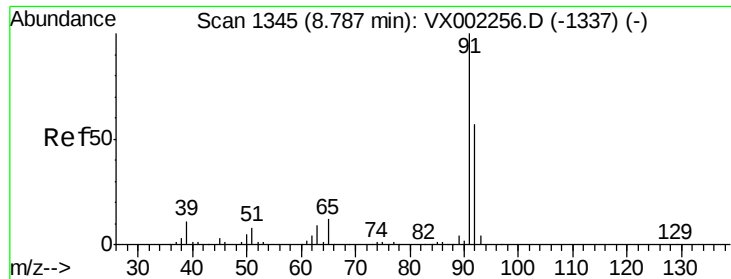
#50  
 Toluene-d8  
 Concen: 51.607 ug/l  
 RT: 8.72 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VX002473.D  
 Acq: 12 Jun 2018 18:11

Tgt Ion: 98 Resp: 461180  
 Ion Ratio Lower Upper  
 98 100  
 100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0  
 Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.435 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

Instrument :

MSVOA\_X

ClientSampleId :

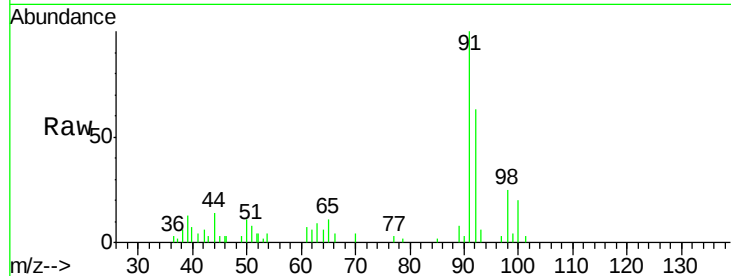
ST007MW053-180607

Tot Ion: 92 Resp: 2646

Ion Ratio Lower Upper

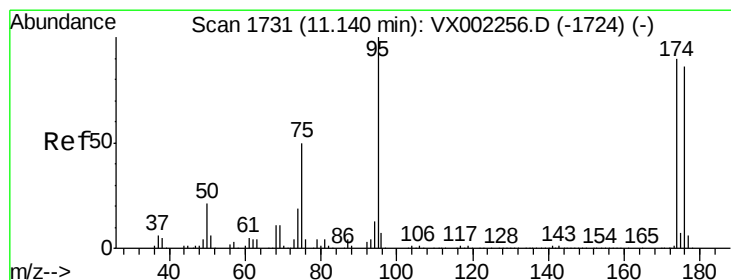
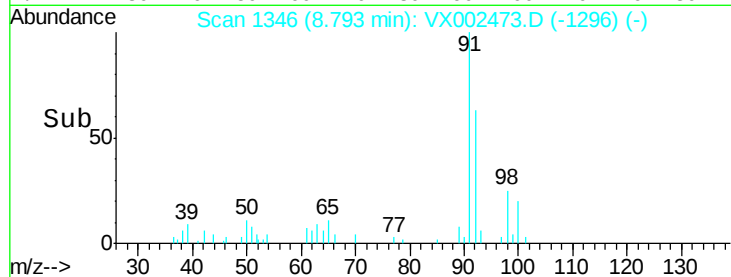
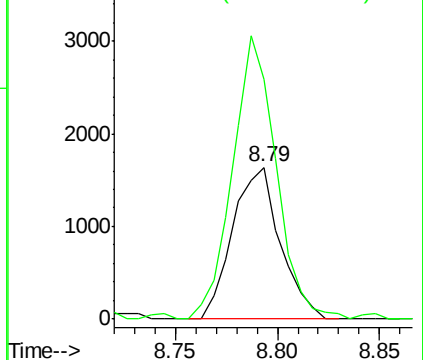
92 100

91 171.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.256 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002473.D

Acq: 12 Jun 2018 18:11

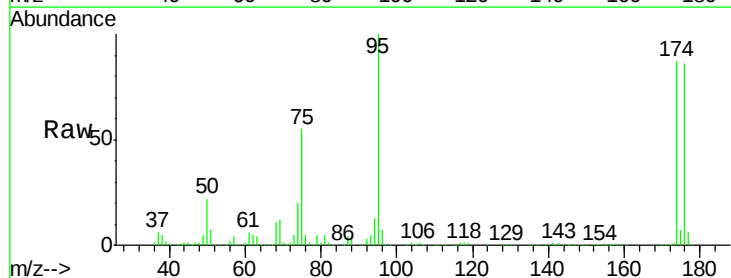
Tgt Ion: 95 Resp: 159396

Ion Ratio Lower Upper

95 100

174 91.8 0.0 187.4

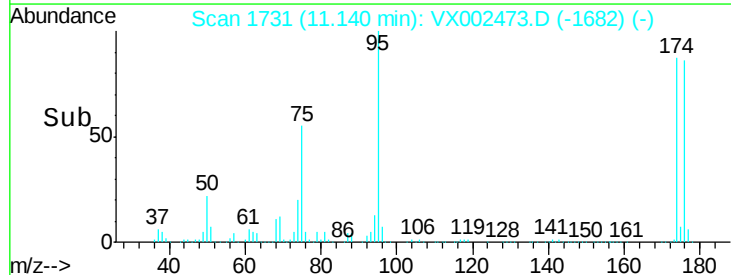
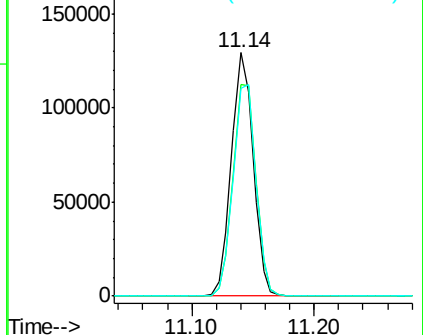
176 91.1 0.0 181.0

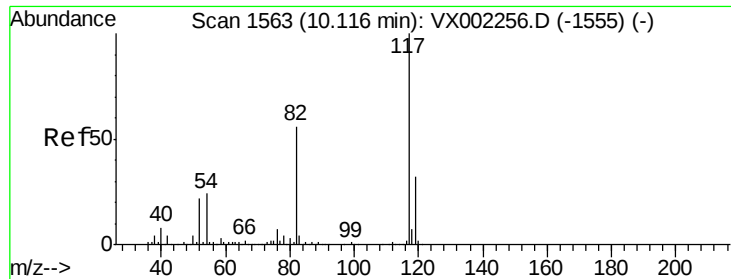


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

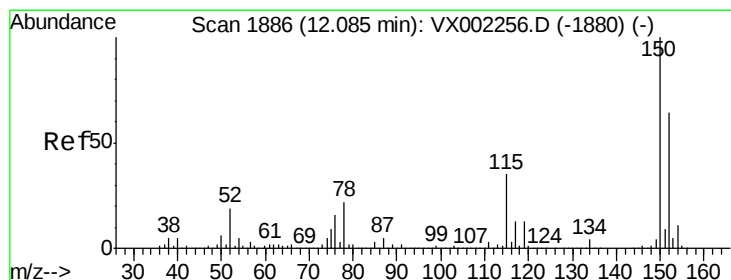
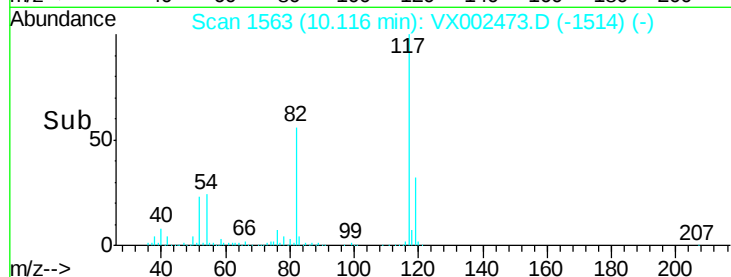
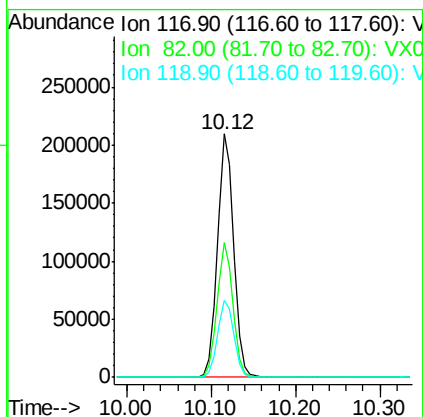
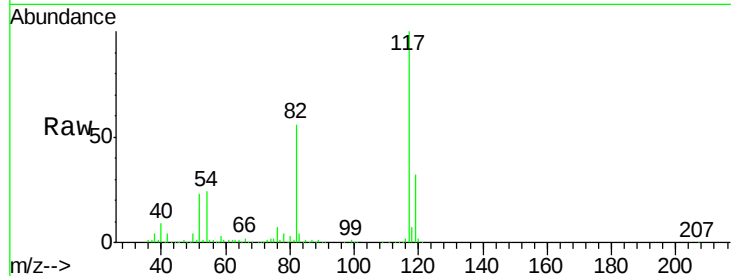




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX002473.D  
Acq: 12 Jun 2018 18:11

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Tot Ion:117 Resp: 279017  
Ion Ratio Lower Upper  
117 100  
82 55.5 45.0 67.4  
119 31.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX002473.D  
Acq: 12 Jun 2018 18:11

Tgt Ion:152 Resp: 152738  
Ion Ratio Lower Upper  
152 100  
115 55.0 40.1 120.2  
150 155.6 0.0 347.2

