

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX040519\  
 Data File : VX008698.D  
 Acq On : 05 Apr 2019 21:39  
 Operator : JC/SP  
 Sample : K2295-16 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW025-190404

Quant Time: Apr 06 03:27:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X040319W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 04 04:47:41 2019  
 Response via : Initial Calibration

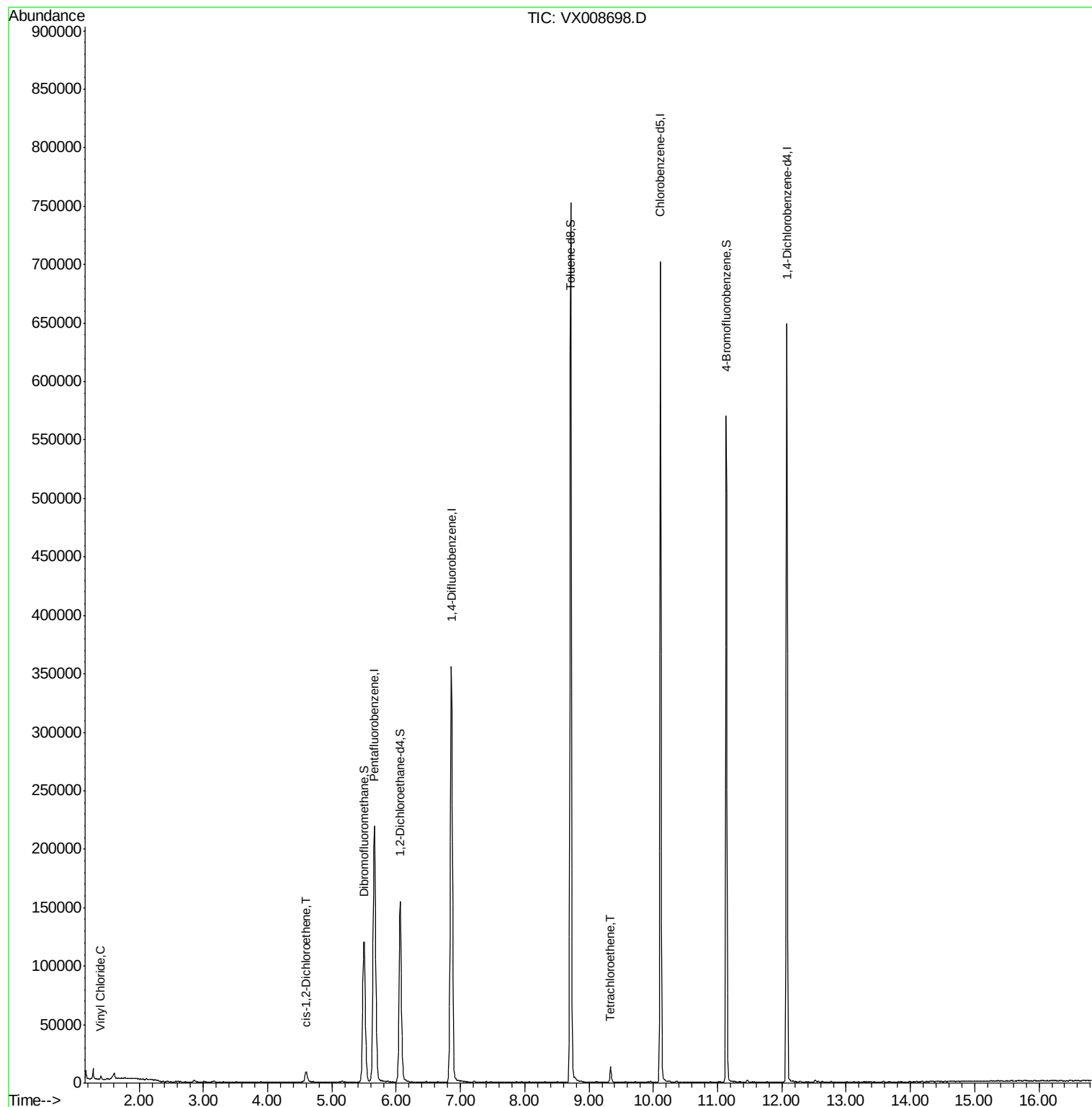
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 210510   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 352423   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 308660   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 130882   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 144836   | 47.17 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.34% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 106541   | 47.28 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.56% |          |
| 50) Toluene-d8              | 8.71  | 98   | 443267   | 49.41 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.82% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 150688   | 47.36 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.72% |          |
| Target Compounds            |       |      |          |       |        |          |
| 4) Vinyl Chloride           | 1.40  | 62   | 1686     | 0.515 | ug/l   | 90       |
| 27) cis-1,2-Dichloroethene  | 4.60  | 96   | 5375     | 1.776 | ug/l   | 89       |
| 64) Tetrachloroethene       | 9.34  | 164  | 2498     | 1.092 | ug/l   | 86       |

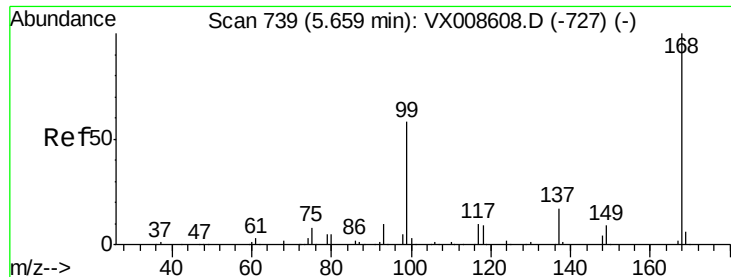
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008698.D

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MSVOA\_X

ClientSampleId :

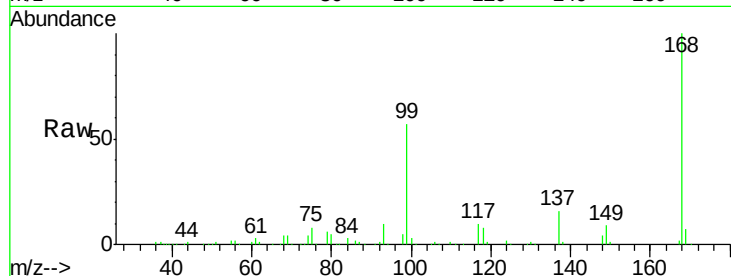
ST008MW025-190404

Tgt Ion:168 Resp: 210510

Ion Ratio Lower Upper

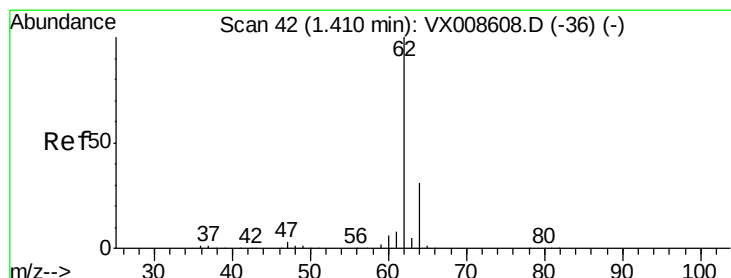
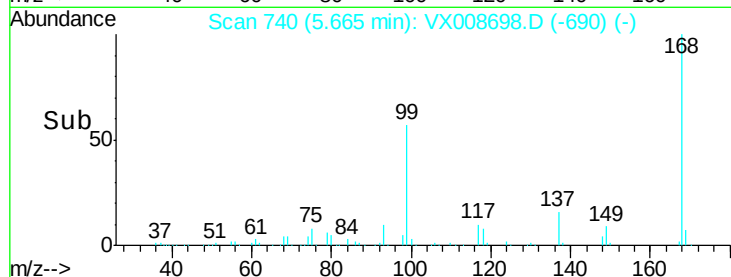
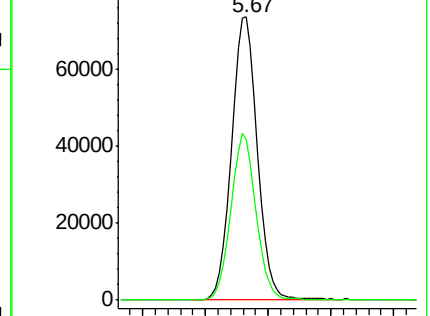
168 100

99 56.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.515 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008698.D

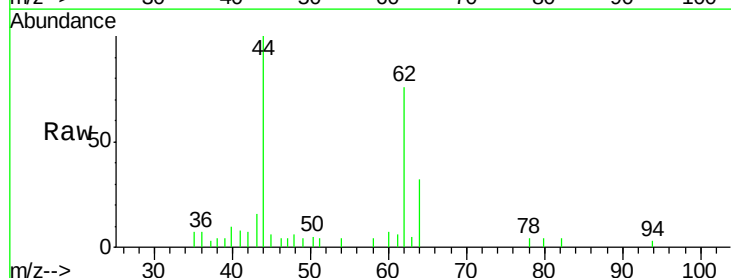
Acq: 05 Apr 2019 21:39

Tgt Ion: 62 Resp: 1686

Ion Ratio Lower Upper

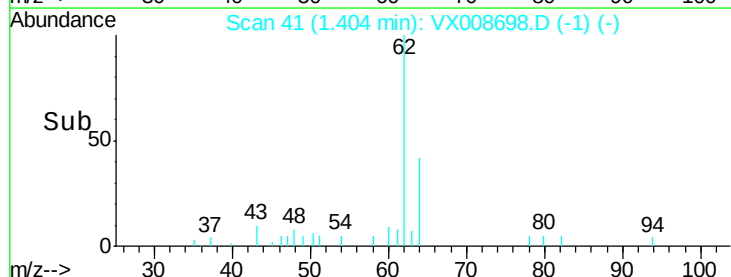
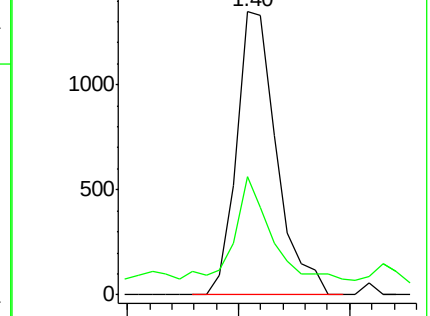
62 100

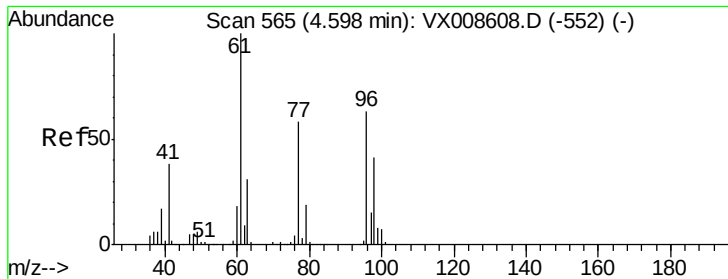
64 36.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 1.776 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008698.D

Acq: 05 Apr 2019 21:39

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW025-190404

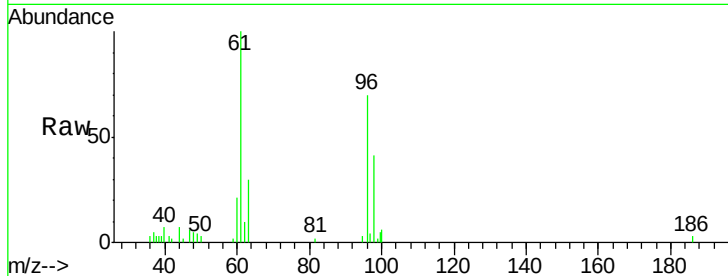
Tgt Ion: 96 Resp: 5375

Ion Ratio Lower Upper

96 100

61 145.2 0.0 327.6

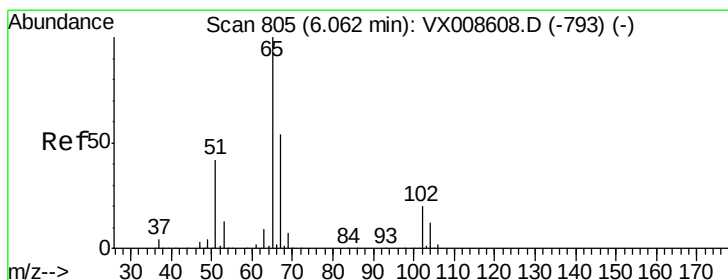
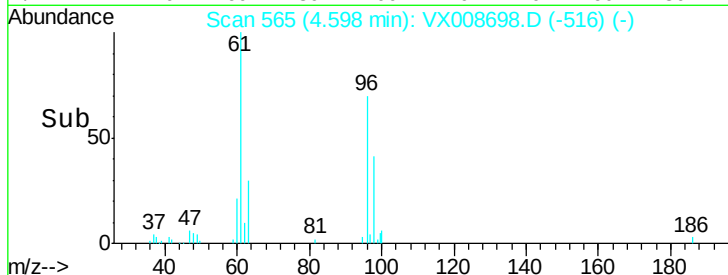
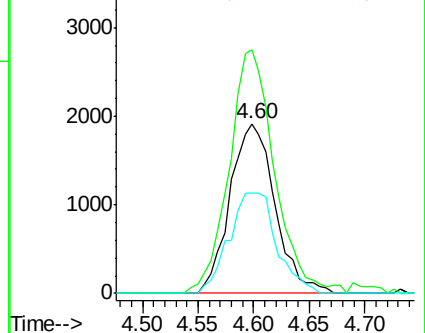
98 62.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.172 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008698.D

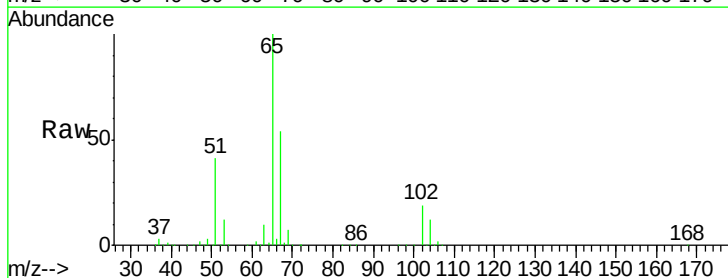
Acq: 05 Apr 2019 21:39

Tgt Ion: 65 Resp: 144836

Ion Ratio Lower Upper

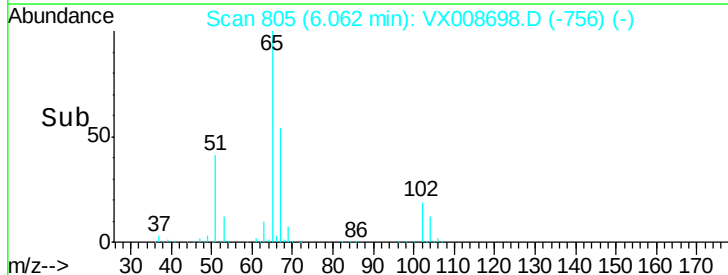
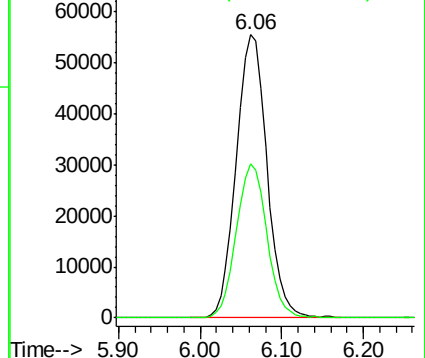
65 100

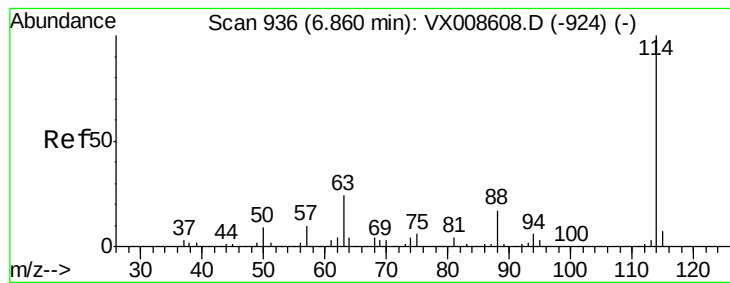
67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008698.D

Acq: 05 Apr 2019 21:39

Instrument :

MSVOA\_X

ClientSampleId :

ST008MW025-190404

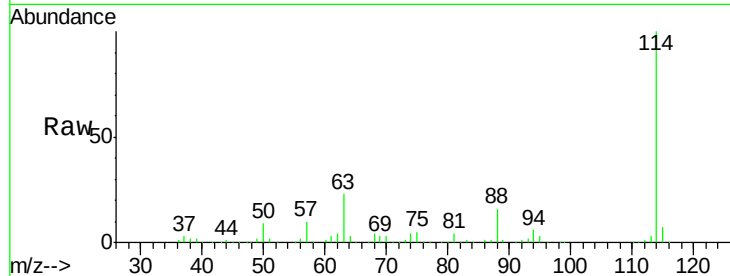
Tgt Ion:114 Resp: 352423

Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.2

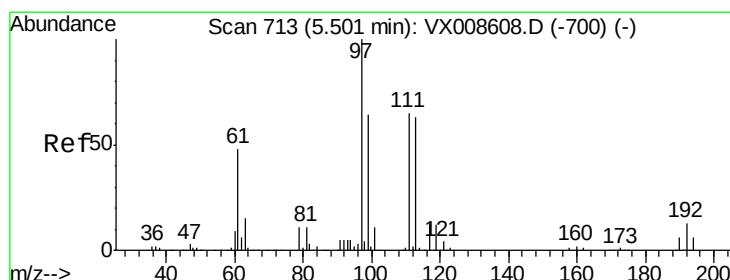
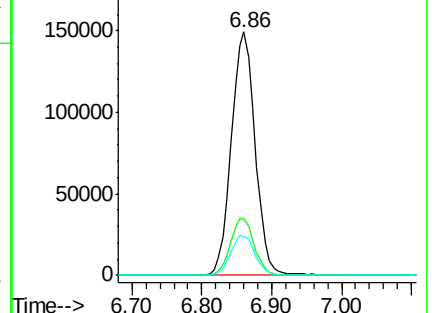
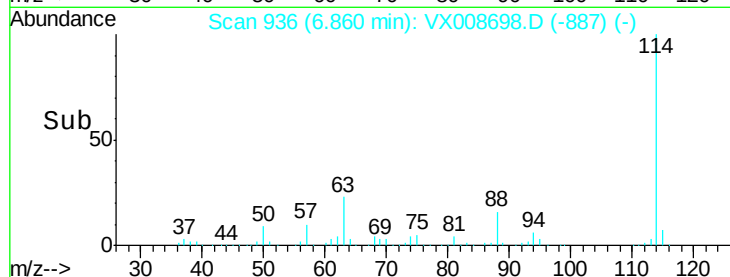
88 16.2 0.0 34.0



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: 47.283 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008698.D

Acq: 05 Apr 2019 21:39

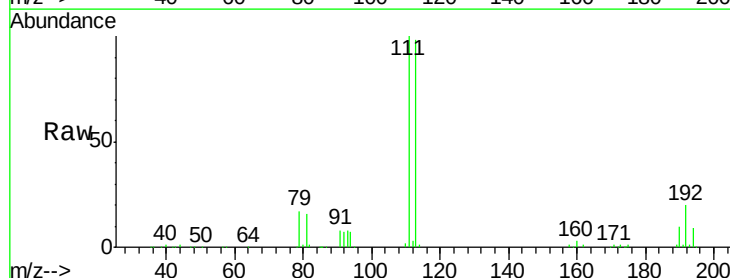
Tgt Ion:113 Resp: 106541

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

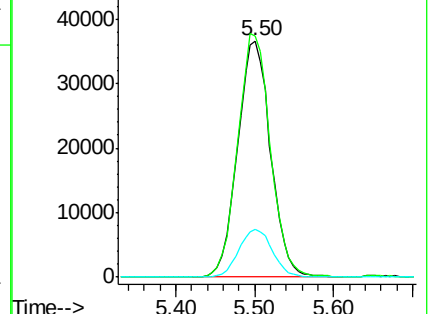
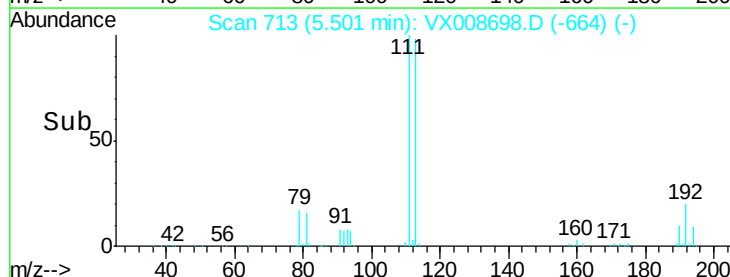
192 20.7 16.1 24.1

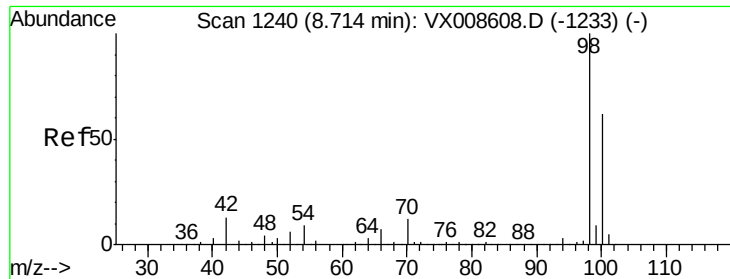


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

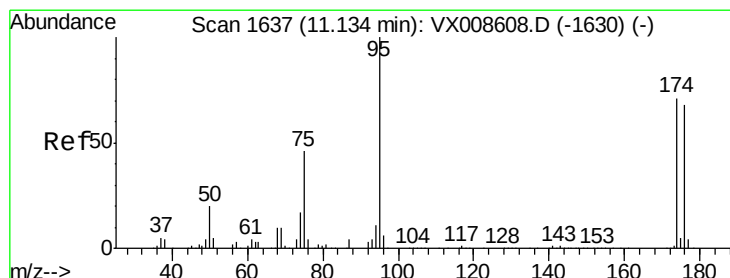
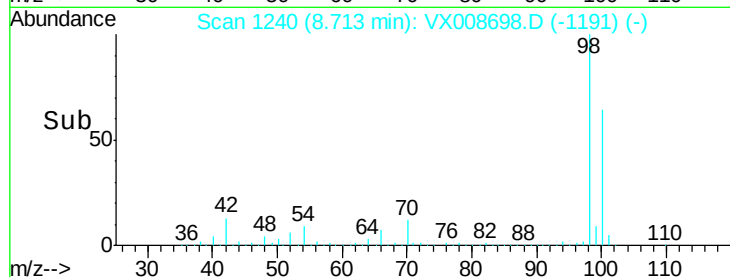
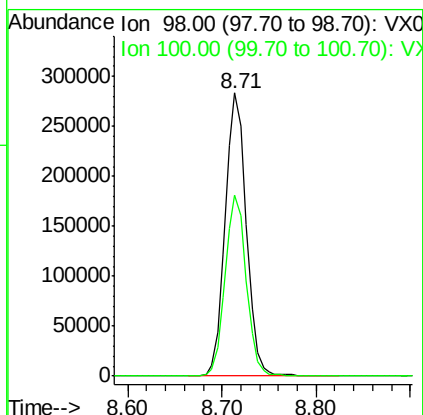
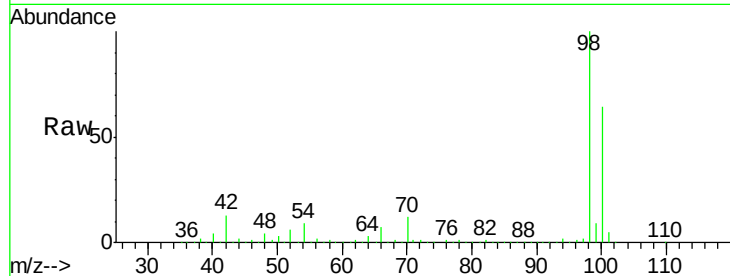




#50  
Toluene-d8  
Concen: 49.406 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX008698.D  
Acq: 05 Apr 2019 21:39

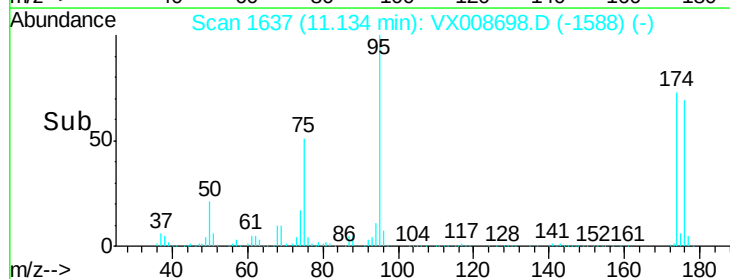
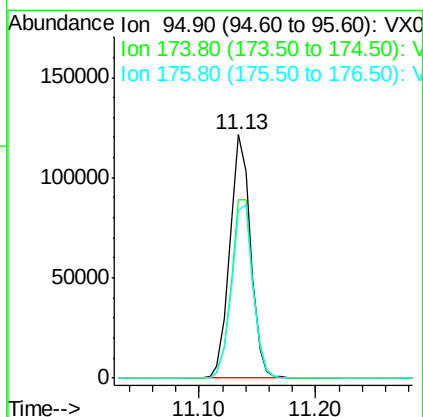
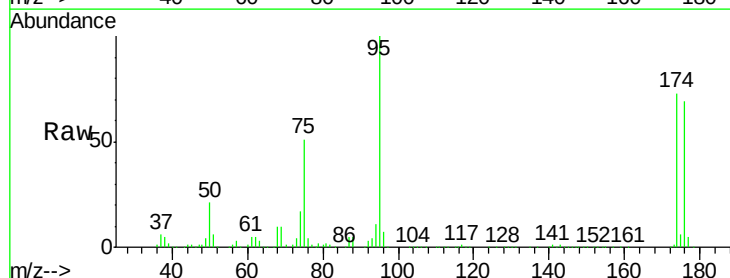
Instrument :  
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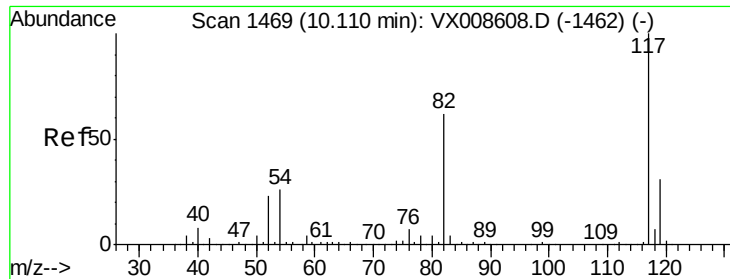
Tgt Ion: 98 Resp: 443267  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 47.363 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX008698.D  
Acq: 05 Apr 2019 21:39

Tgt Ion: 95 Resp: 150688  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 151.8  
176 74.0 0.0 145.8

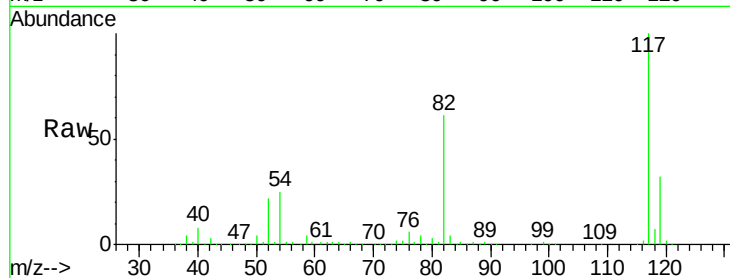




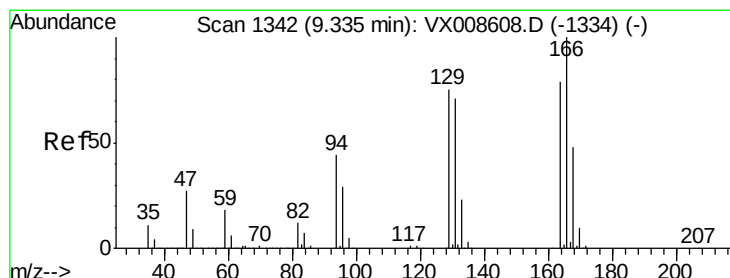
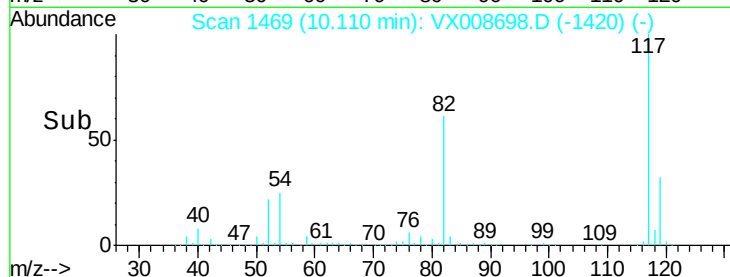
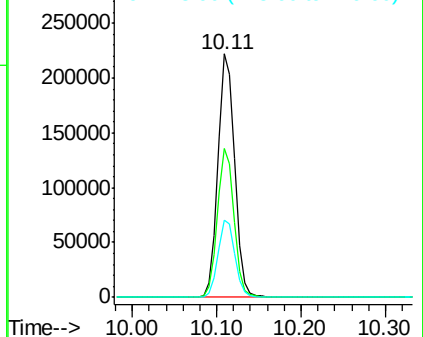
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008698.D  
Acq: 05 Apr 2019 21:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
ST008MW025-190404

Tgt Ion:117 Resp: 308660  
Ion Ratio Lower Upper  
117 100  
82 60.9 49.6 74.4  
119 31.9 25.0 37.4



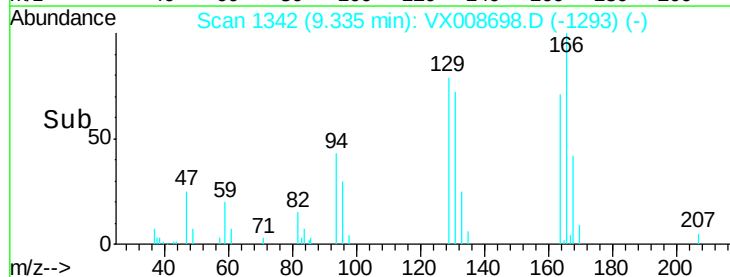
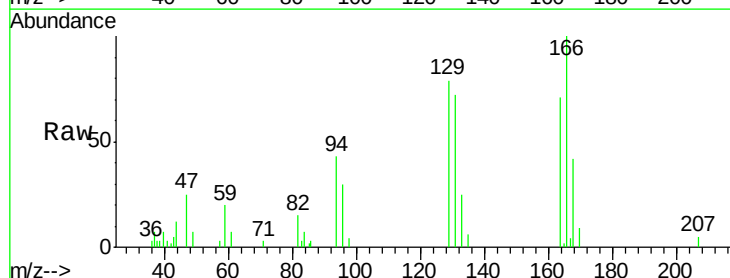
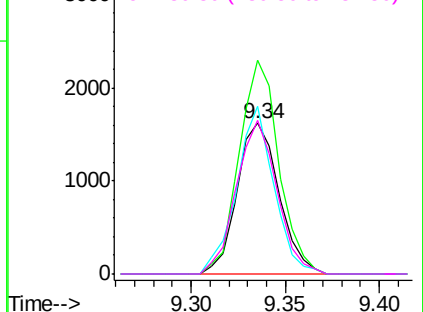
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

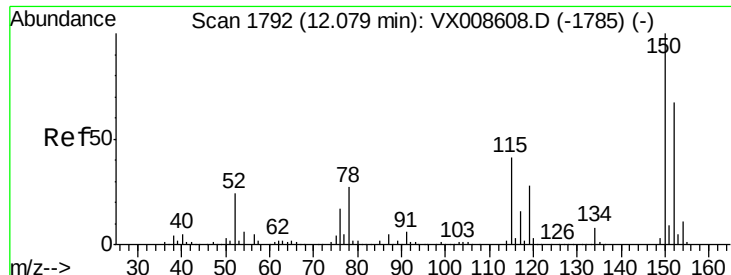


#64  
Tetrachloroethene  
Concen: 1.092 ug/l  
RT: 9.34 min Scan# 1342  
Delta R.T. -0.00 min  
Lab File: VX008698.D  
Acq: 05 Apr 2019 21:39

Tgt Ion:164 Resp: 2498  
Ion Ratio Lower Upper  
164 100  
166 141.6 101.0 151.6  
129 111.5 75.8 113.8  
131 101.7 71.8 107.8

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

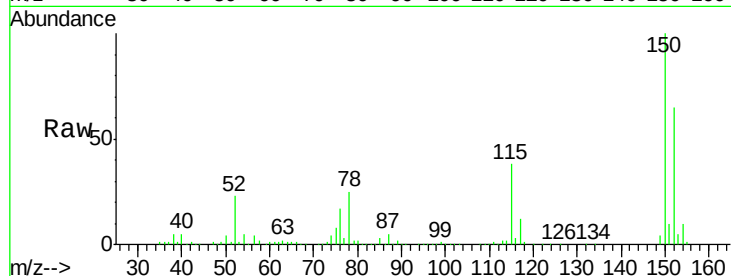




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX008698.D  
 Acq: 05 Apr 2019 21:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ST008MW025-190404

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.3  | 43.5  | 130.5 |
| 150     | 156.4 | 0.0   | 348.8 |



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

