

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
 Data File : VX017231.D  
 Acq On : 08 Jul 2020 02:52  
 Operator : JC/SP  
 Sample : L3232-01DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 1003-MW-01DL

Quant Time: Jul 08 04:24:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

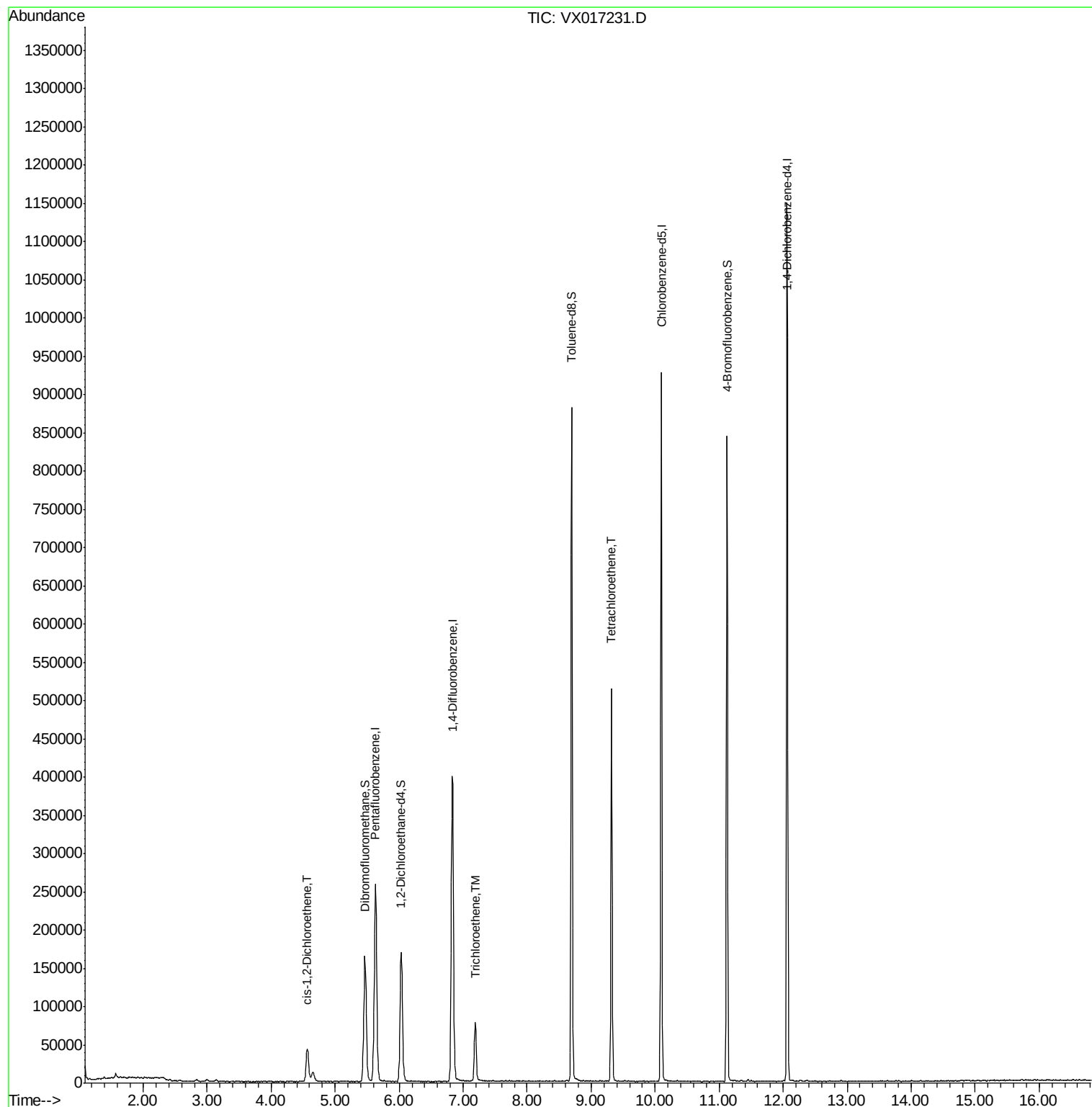
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 243092   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 407762   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 425891   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 231127   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 163069   | 54.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.82% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 140558   | 54.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.98% |          |
| 50) Toluene-d8              | 8.70  | 98   | 501895   | 52.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.24% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 210201   | 56.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.76% |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 28394    | 9.389  | ug/l    | 90       |
| 44) Trichloroethene         | 7.19  | 130  | 29330    | 9.134  | ug/l    | 94       |
| 64) Tetrachloroethene       | 9.32  | 164  | 101997   | 29.674 | ug/l    | 98       |

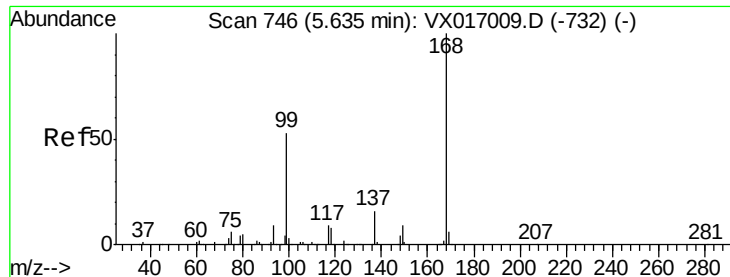
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070720\  
Data File : VX017231.D  
Acq On : 08 Jul 2020 02:52  
Operator : JC/SP  
Sample : L3232-01DL 10X  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
1003-MW-01DL

Quant Time: Jul 08 04:24:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

Instrument :

MSVOA\_X

ClientSampled :

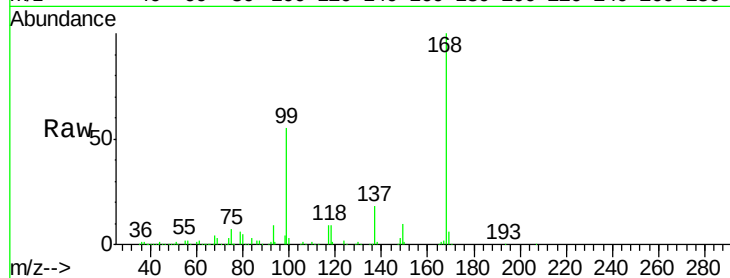
1003-MW-01DL

Tot Ion:168 Resp: 243092

Ion Ratio Lower Upper

168 100

99 54.5 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

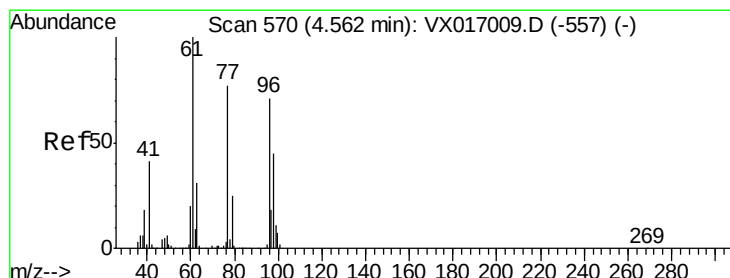
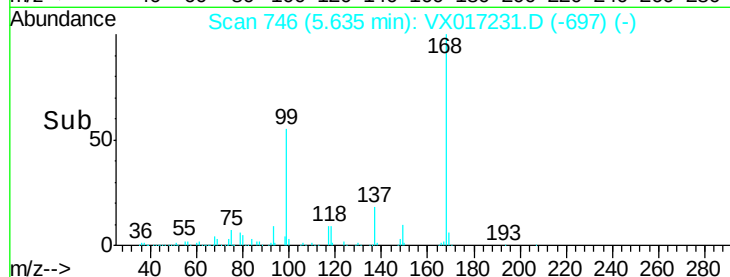
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 9.389 ug/l

RT: 4.57 min Scan# 571

Delta R.T. 0.01 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

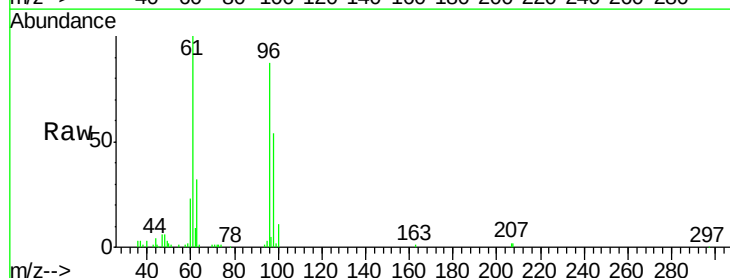
Tgt Ion: 96 Resp: 28394

Ion Ratio Lower Upper

96 100

61 124.4 0.0 282.8

98 63.1 0.0 127.6



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

4.57

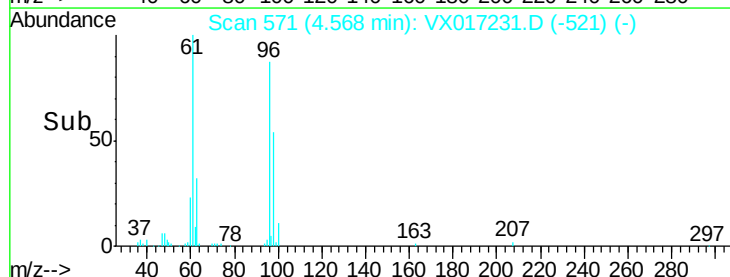
15000

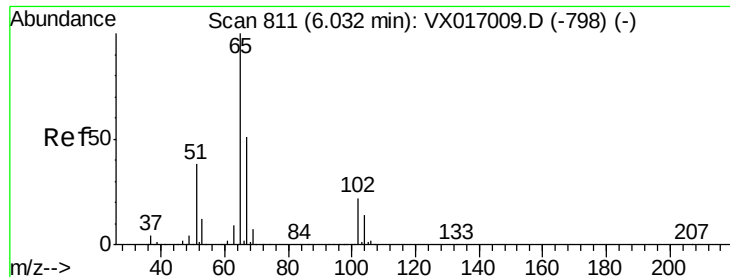
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 54.414 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

Instrument :

MSVOA\_X

ClientSampleId :

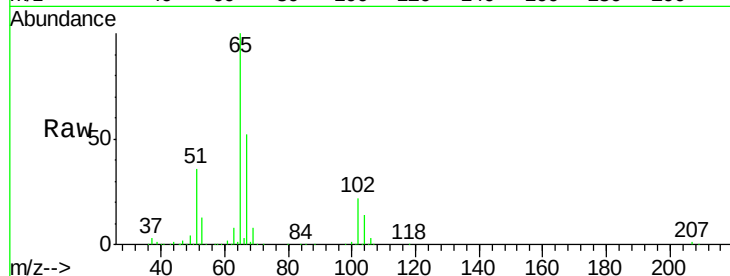
1003-MW-01DL

Tot Ion: 65 Resp: 163069

Ion Ratio Lower Upper

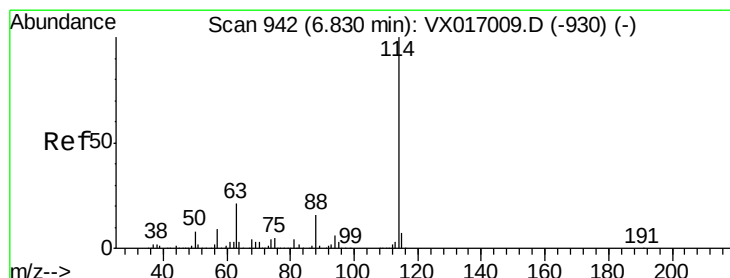
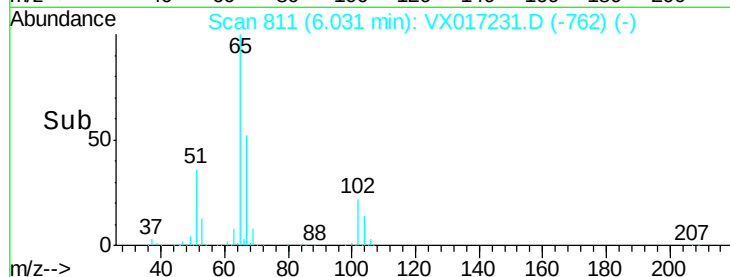
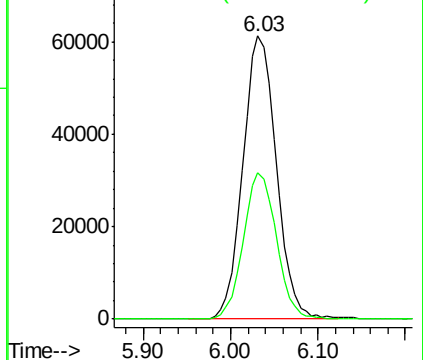
65 100

67 51.2 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

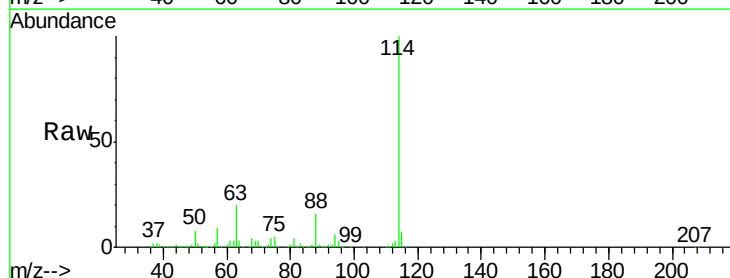
Tgt Ion: 114 Resp: 407762

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

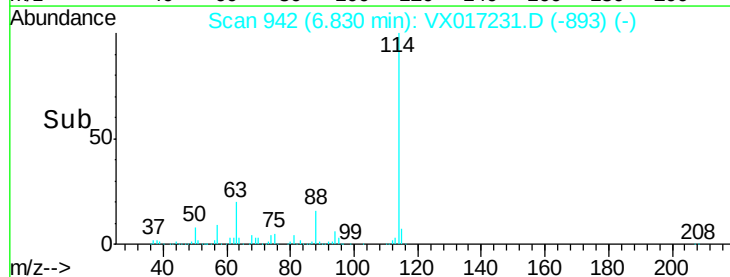
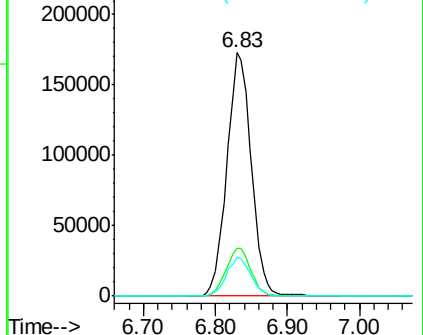
88 15.9 0.0 32.4

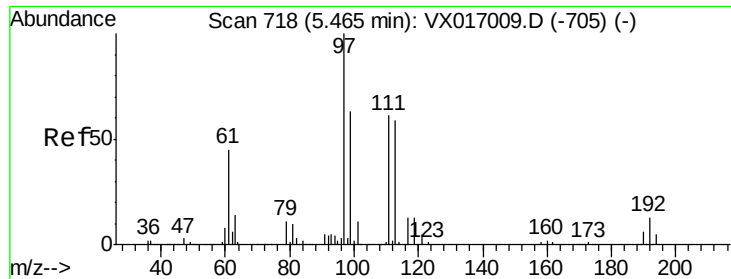


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 54.493 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

Instrument :

MSVOA\_X

ClientSampleId :

1003-MW-01DL

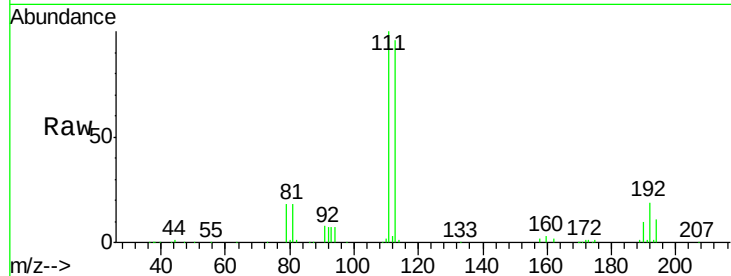
Tot Ion:113 Resp: 140558

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

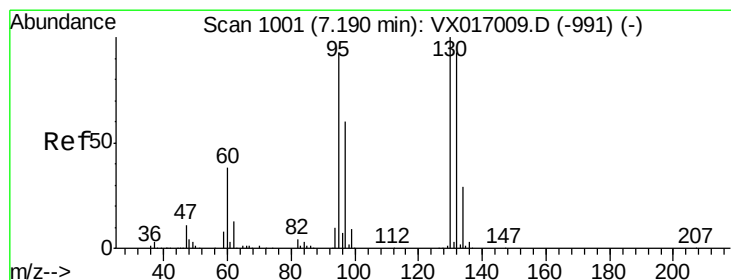
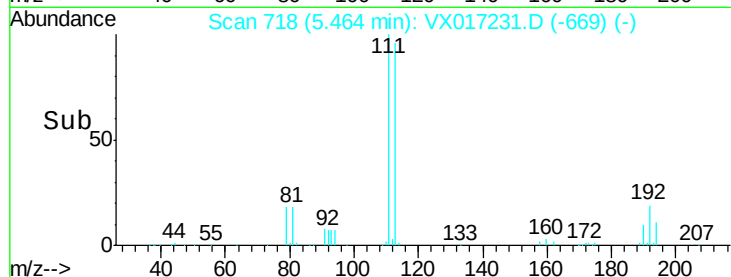
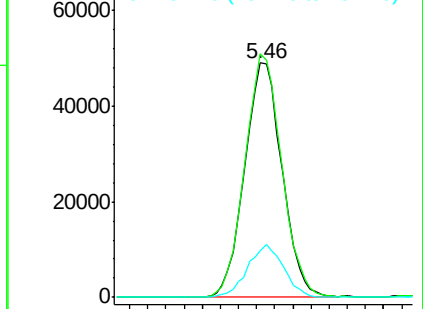
192 21.7 16.7 25.1



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



#44

Trichloroethene

Concen: 9.134 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX017231.D

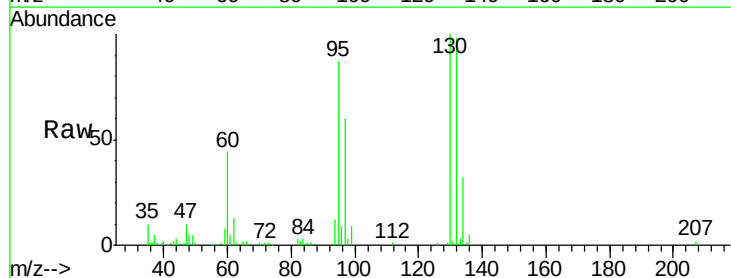
Acq: 08 Jul 2020 02:52

Tgt Ion:130 Resp: 29330

Ion Ratio Lower Upper

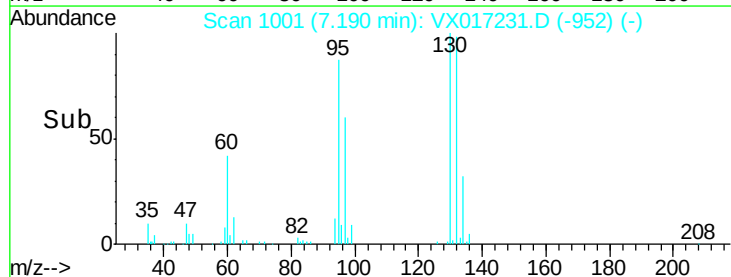
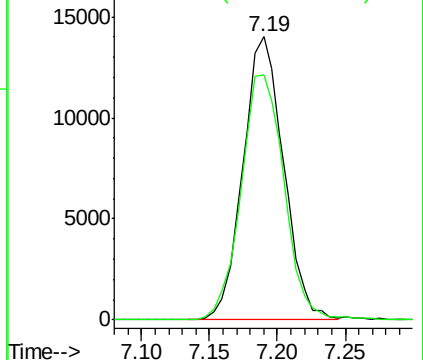
130 100

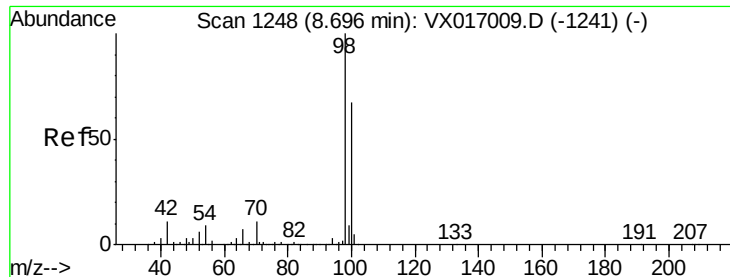
95 86.6 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 52.620 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

Instrument :

MSVOA\_X

ClientSampleId :

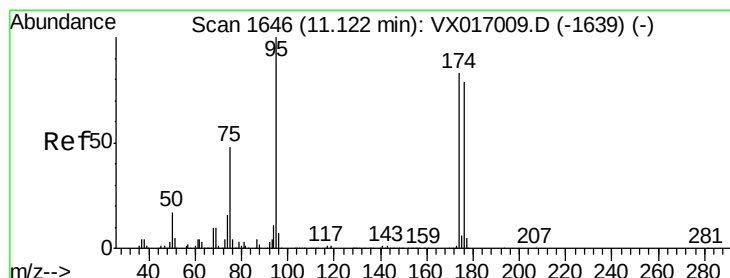
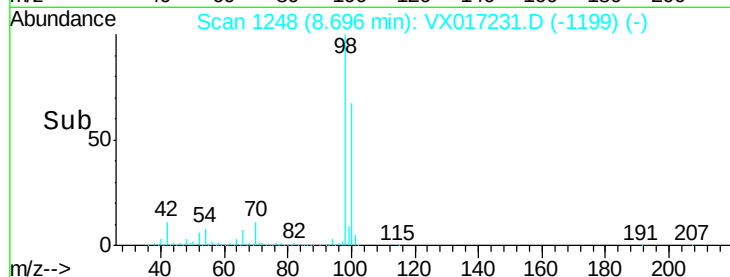
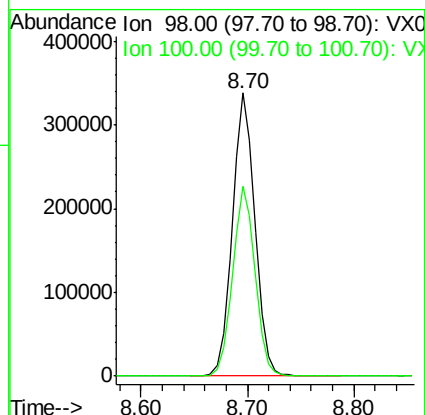
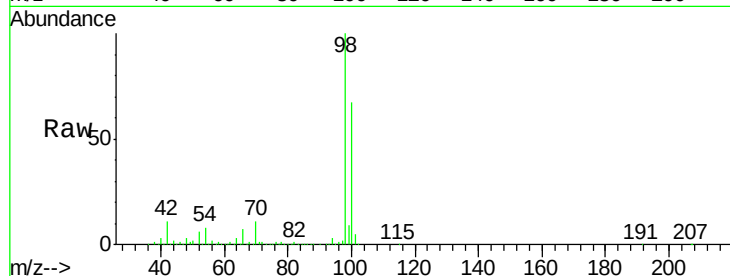
1003-MW-01DL

Tot Ion: 98 Resp: 501895

Ion Ratio Lower Upper

98 100

100 66.9 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 56.376 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

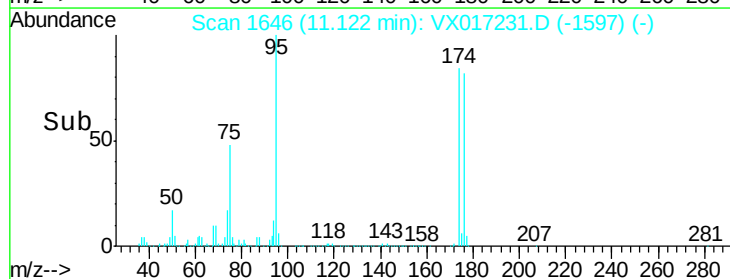
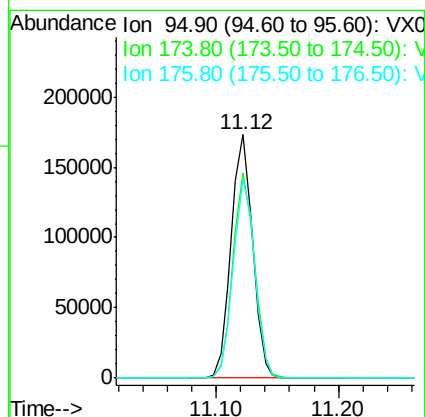
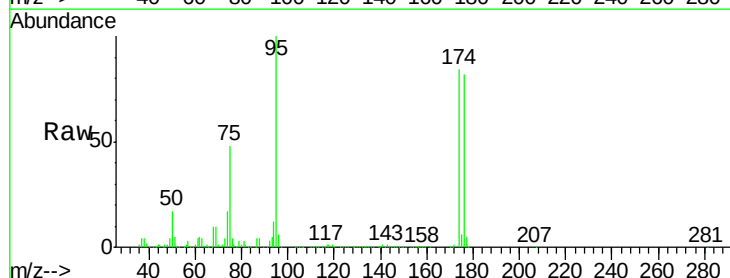
Tgt Ion: 95 Resp: 210201

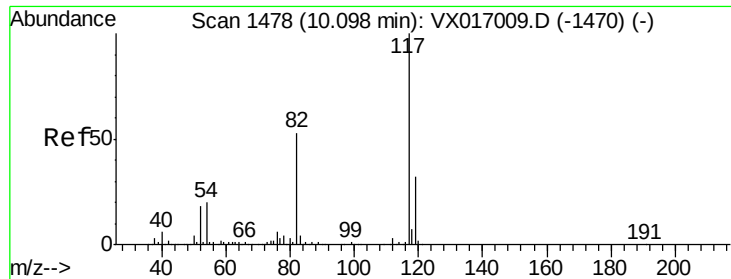
Ion Ratio Lower Upper

95 100

174 84.5 0.0 164.0

176 81.6 0.0 157.6

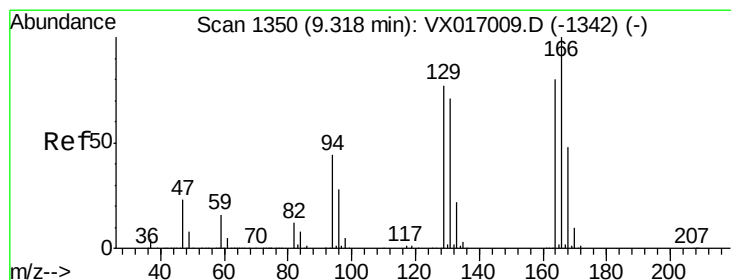
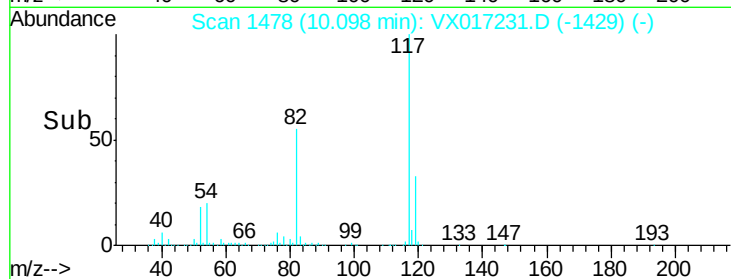
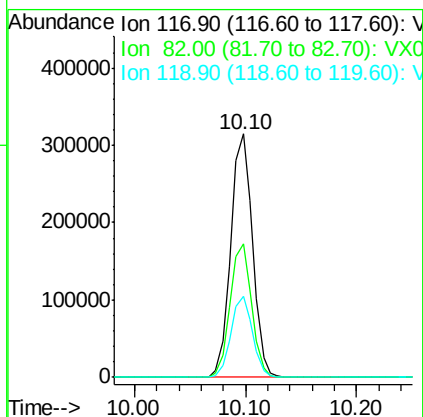
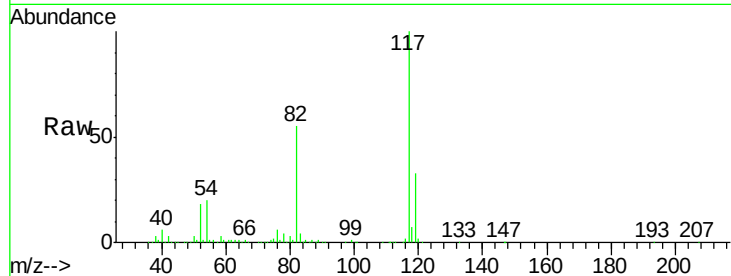




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017231.D  
Acq: 08 Jul 2020 02:52

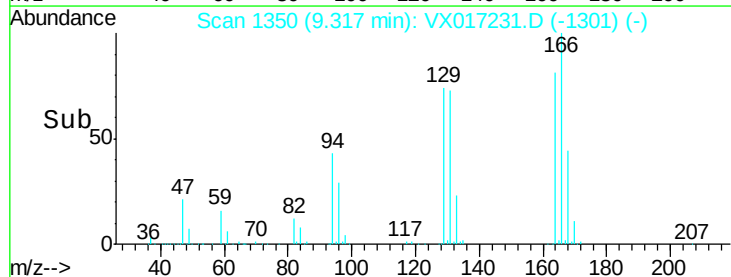
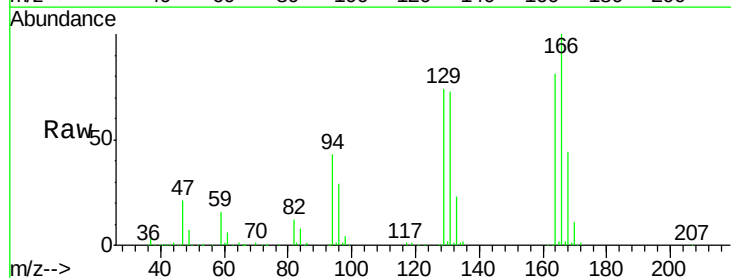
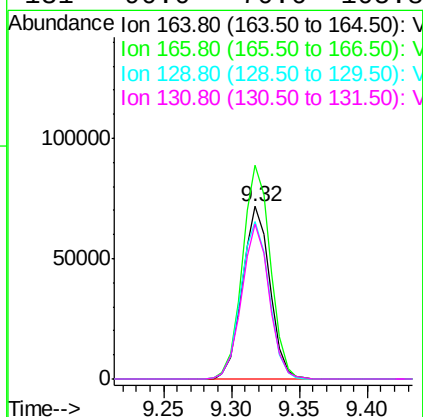
Instrument :  
MSVOA\_X  
ClientSampleId :  
1003-MW-01DL

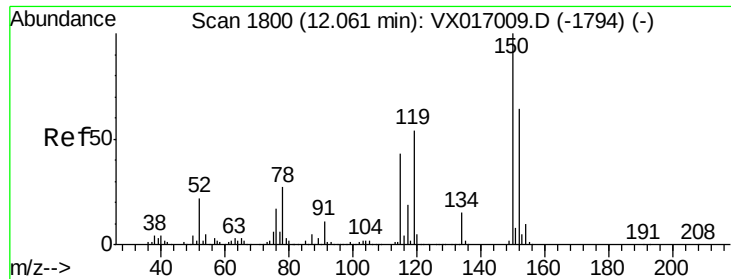
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.8  | 42.6  | 63.8  |
| 119     | 33.2  | 25.4  | 38.2  |



#64  
Tetrachloroethene  
Concen: 29.674 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX017231.D  
Acq: 08 Jul 2020 02:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.9 | 99.4  | 149.0 |
| 129     | 91.5  | 76.3  | 114.5 |
| 131     | 90.0  | 70.6  | 105.8 |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017231.D

Acq: 08 Jul 2020 02:52

Instrument :

MSVOA\_X

ClientSampleId :

1003-MW-01DL

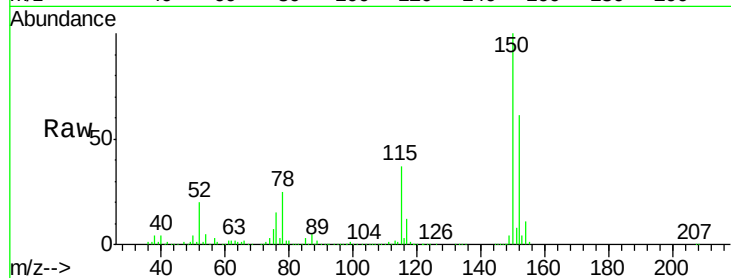
Tot Ion:152 Resp: 231127

Ion Ratio Lower Upper

152 100

115 57.4 40.9 122.7

150 157.0 0.0 351.6



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

