

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\  
 Data File : VX014311.D  
 Acq On : 27 Dec 2019 16:08  
 Operator : JC/SP  
 Sample : K6420-03DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2DL

Quant Time: Dec 30 11:13:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

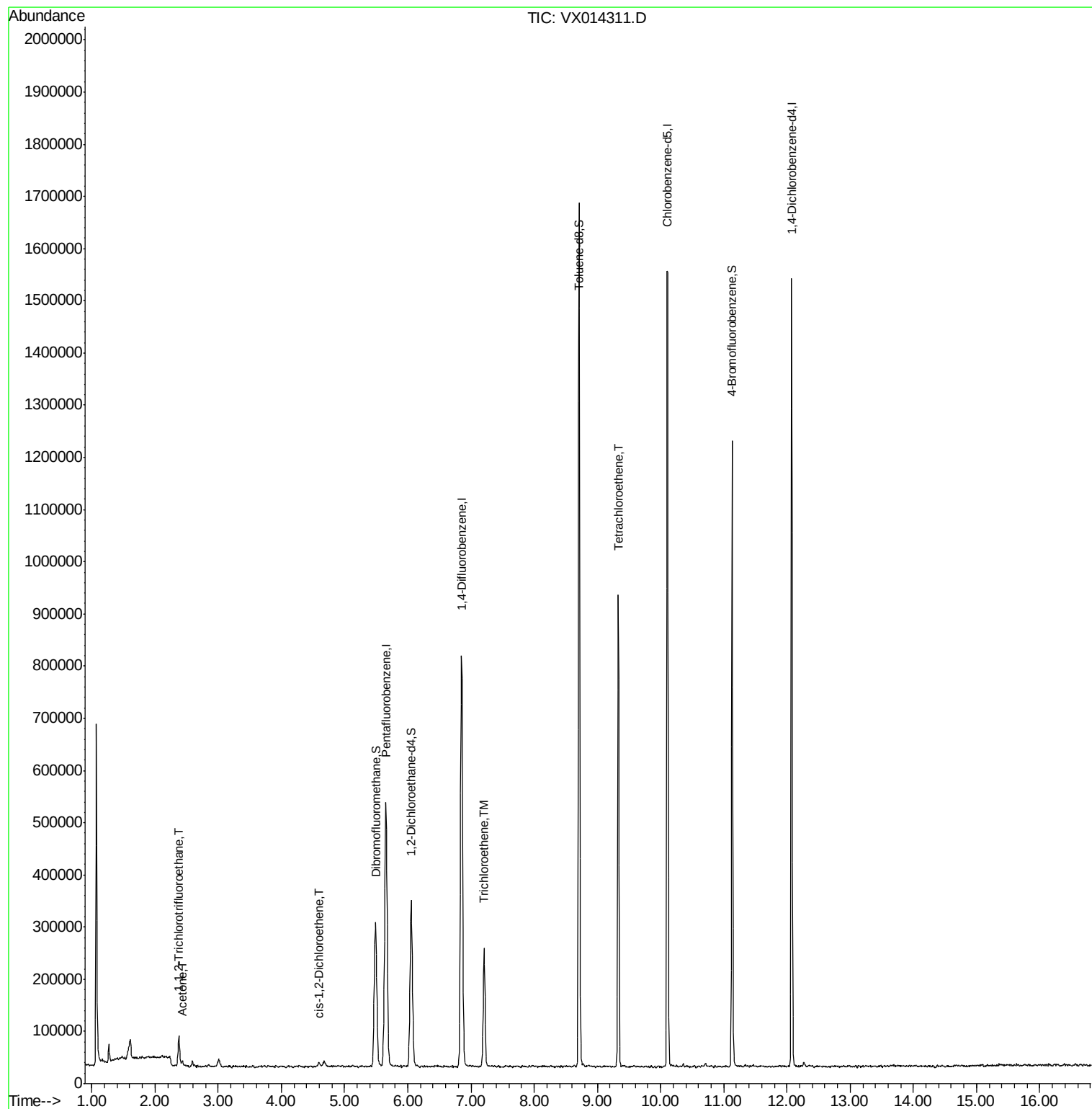
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 520854   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 809581   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 726538   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 312360   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.05  | 65   | 295339   | 50.03  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 100.06% |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 240006   | 48.77  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 97.54%  |          |
| 50) Toluene-d8                | 8.71  | 98   | 965707   | 50.40  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 100.80% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 320842   | 45.81  | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 91.62%  |          |
| Target Compounds              |       |      |          |        |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37  | 101  | 24512    | 4.978  | ug/l    | 96       |
| 16) Acetone                   | 2.44  | 43   | 10739    | 2.802  | ug/l    | 95       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 4456     | 0.714  | ug/l    | 95       |
| 44) Trichloroethene           | 7.21  | 130  | 90713    | 14.369 | ug/l    | 97       |
| 64) Tetrachloroethene         | 9.33  | 164  | 180062   | 28.008 | ug/l    | 95       |

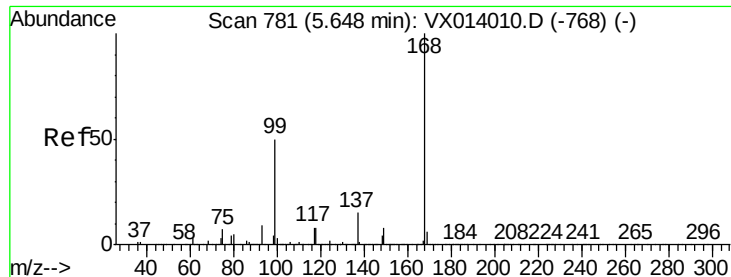
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122719\  
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MW-2DL

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

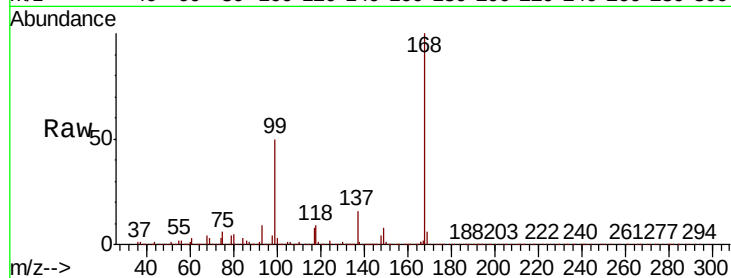
MW-2DL

Tot Ion:168 Resp: 520854

Ion Ratio Lower Upper

168 100

99 49.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

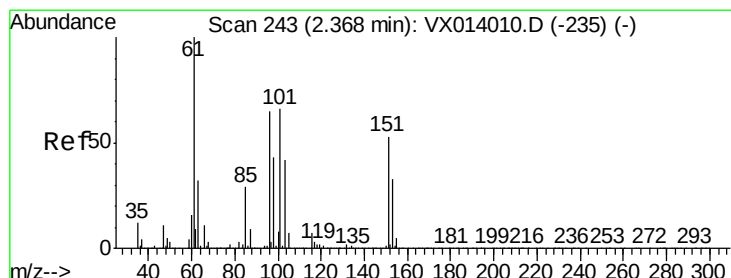
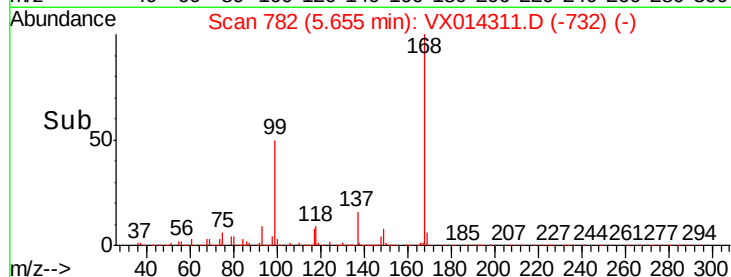
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.978 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

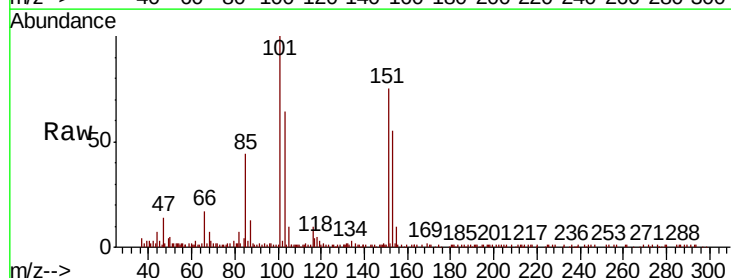
Tgt Ion:101 Resp: 24512

Ion Ratio Lower Upper

101 100

85 40.9 33.7 50.5

151 84.8 64.5 96.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

15000

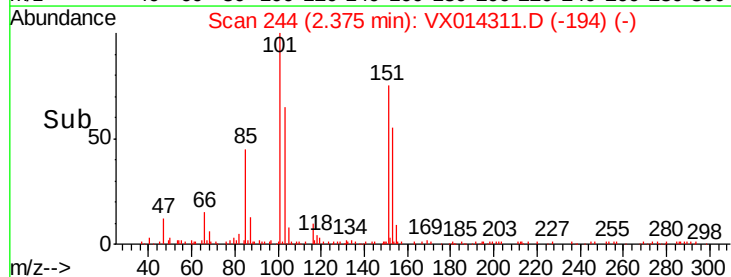
10000

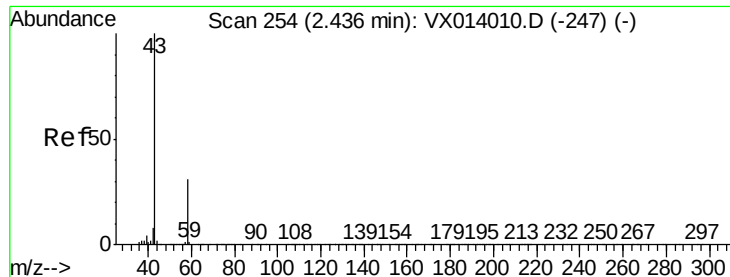
5000

0

Time-->

2.30 2.35 2.40 2.45





#16

Acetone

Concen: 2.802 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

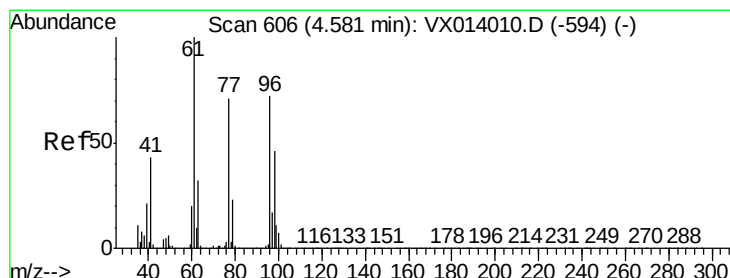
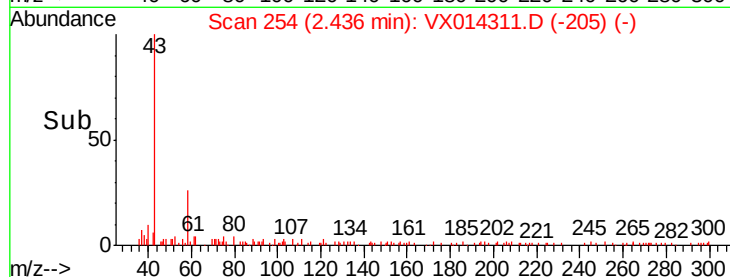
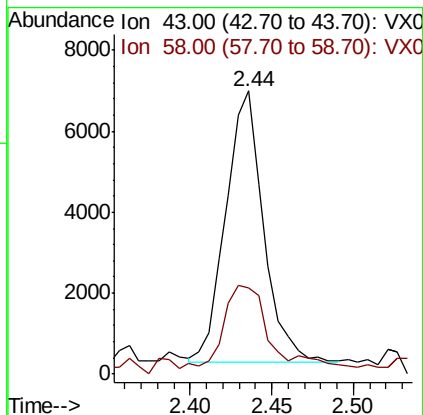
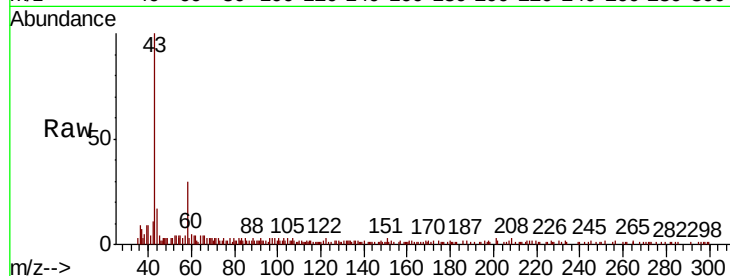
MW-2DL

Tot Ion: 43 Resp: 10739

Ion Ratio Lower Upper

43 100

58 28.3 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 0.714 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

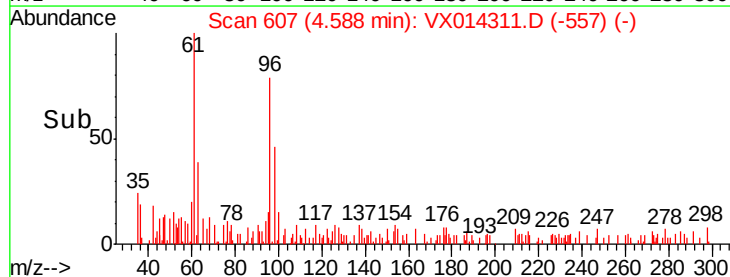
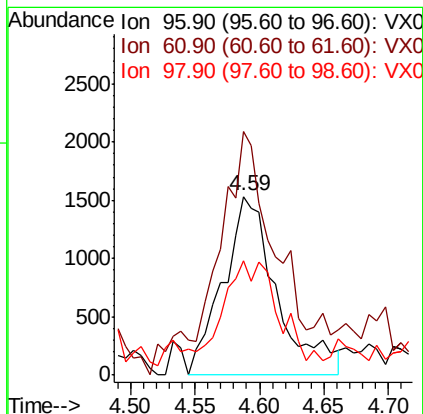
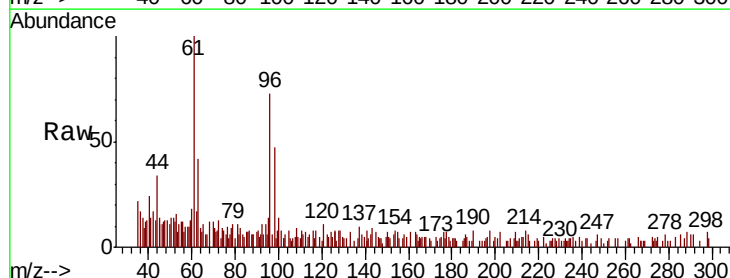
Tgt Ion: 96 Resp: 4456

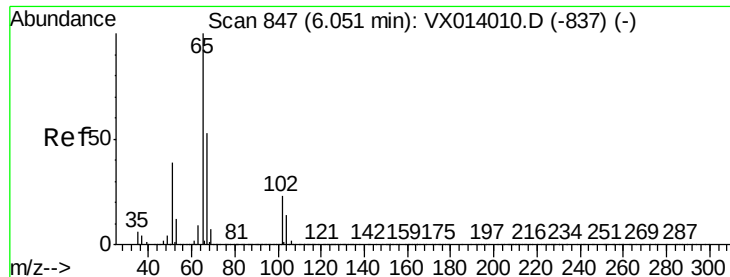
Ion Ratio Lower Upper

96 100

61 148.7 0.0 288.4

98 57.7 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 50.031 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

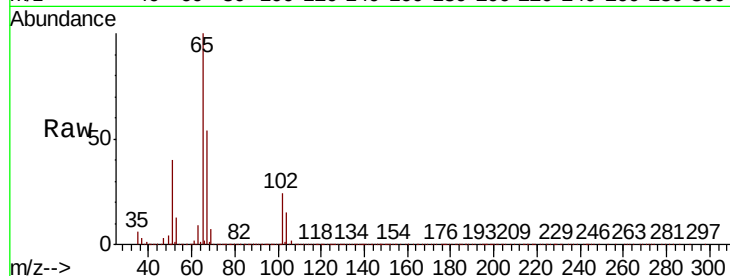
MW-2DL

Tot Ion: 65 Resp: 295339

Ion Ratio Lower Upper

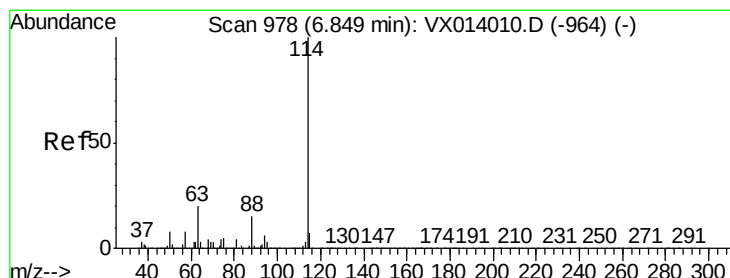
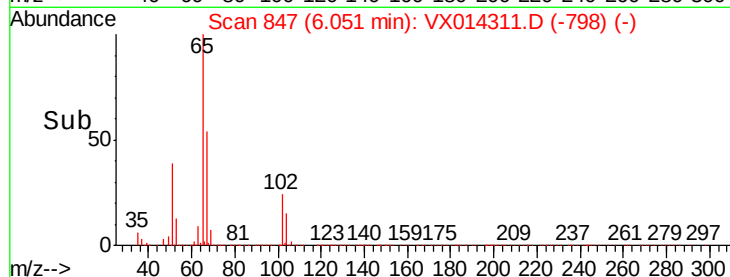
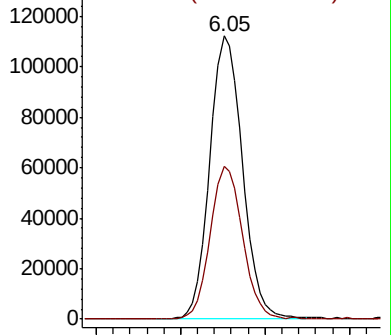
65 100

67 52.6 0.0 106.4



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

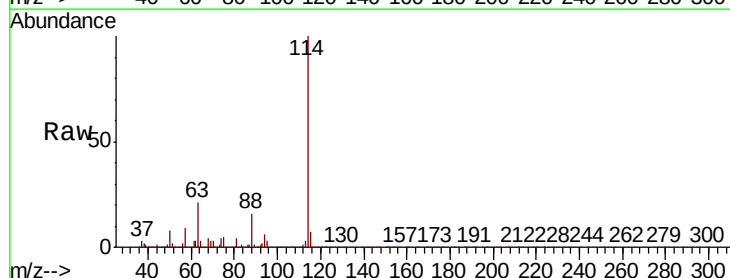
Tgt Ion: 114 Resp: 809581

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

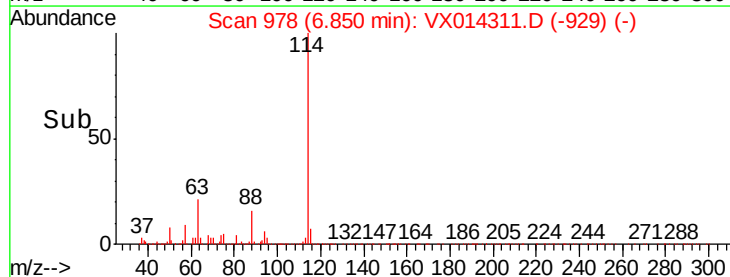
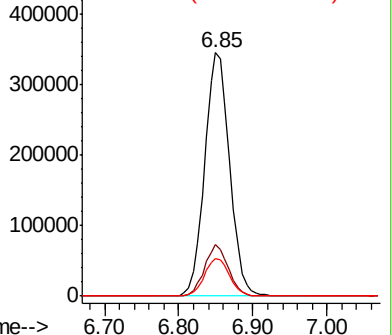
88 15.6 0.0 30.4

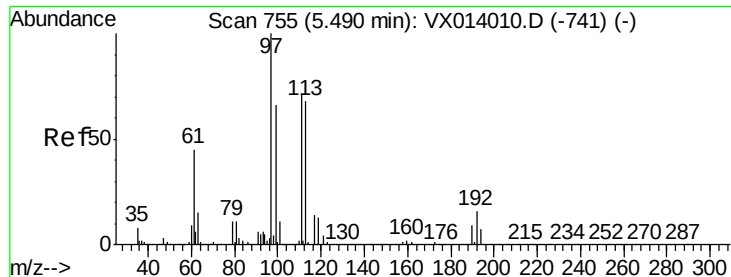


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.768 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

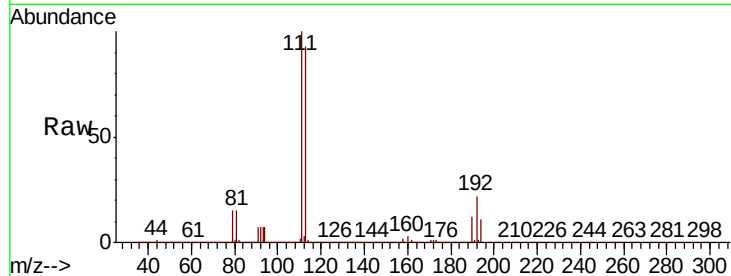
Tot Ion:113 Resp: 240006

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

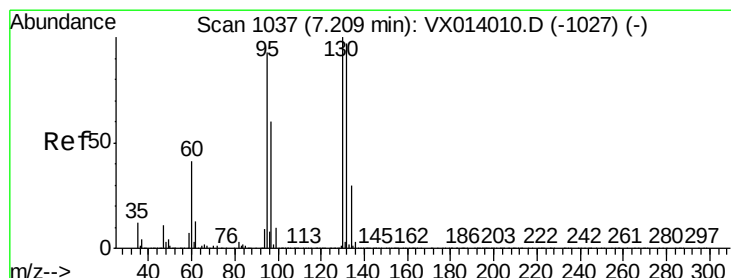
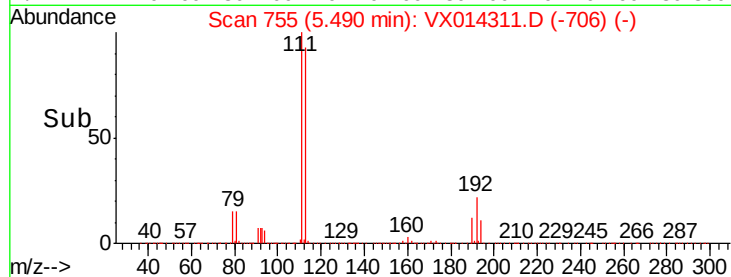
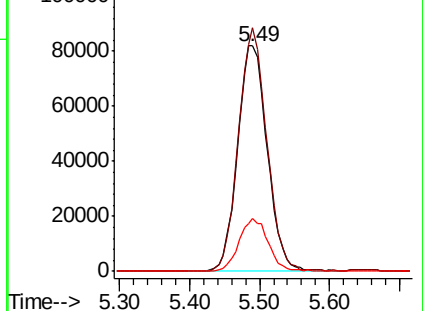
192 23.4 19.3 28.9



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



#44

Trichloroethene

Concen: 14.369 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014311.D

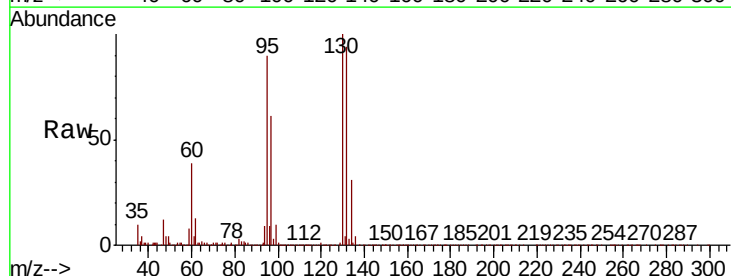
Acq: 27 Dec 2019 16:08

Tgt Ion:130 Resp: 90713

Ion Ratio Lower Upper

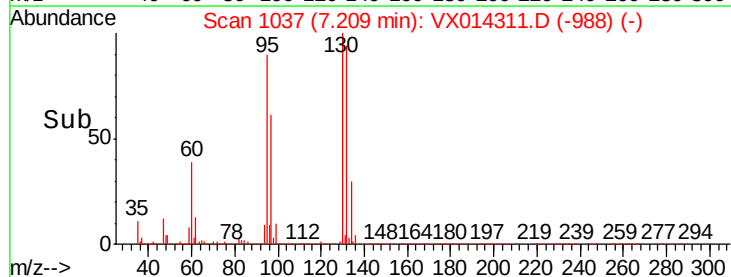
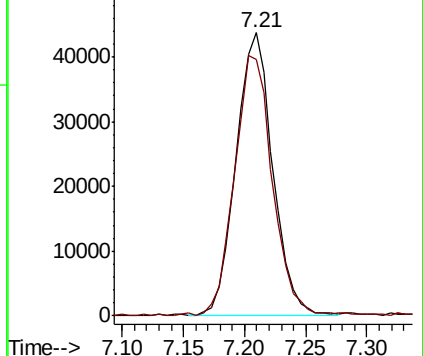
130 100

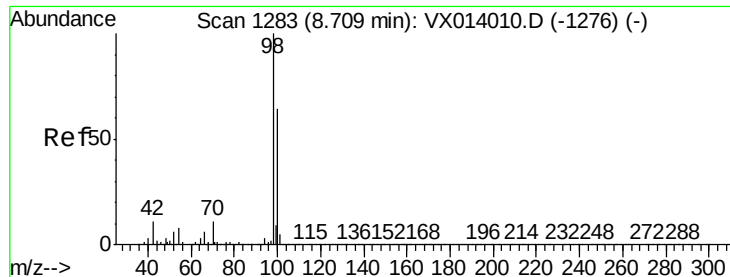
95 90.0 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

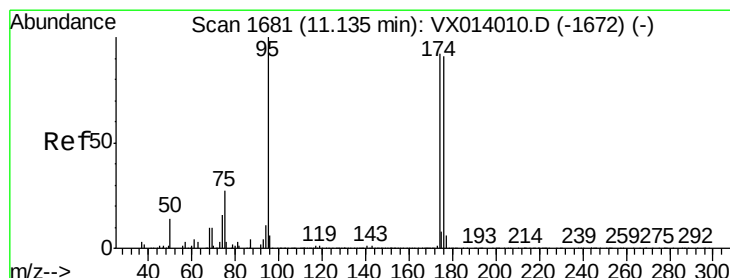
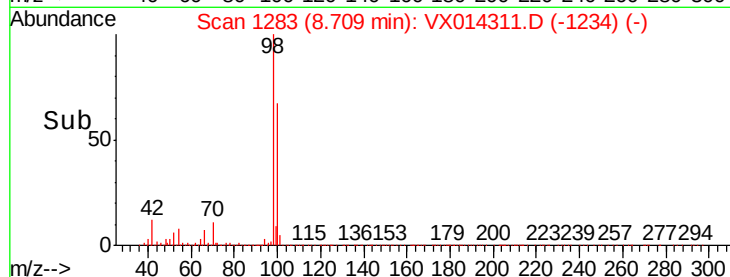
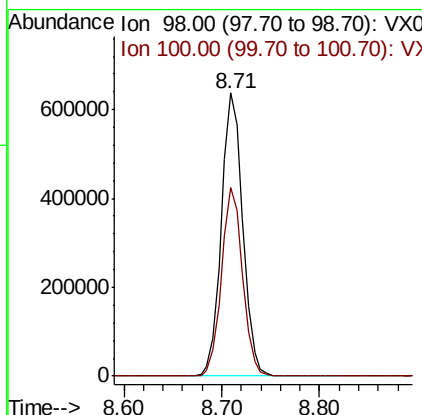
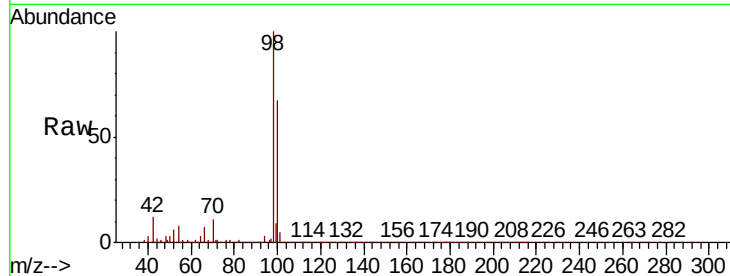




#50  
Toluene-d8  
Concen: 50.402 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX014311.D  
Acq: 27 Dec 2019 16:08

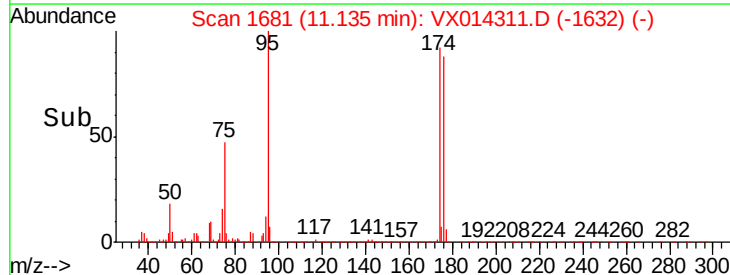
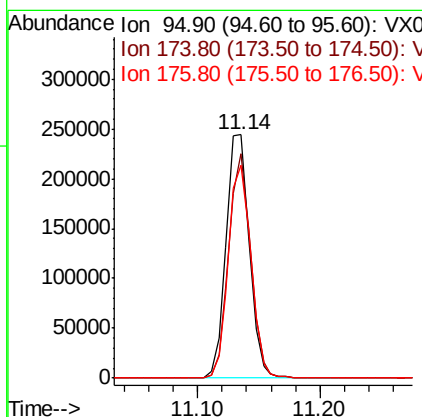
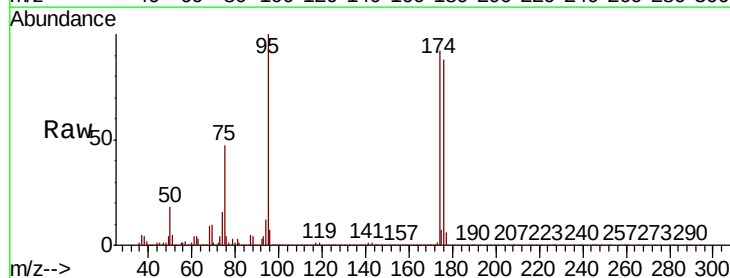
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

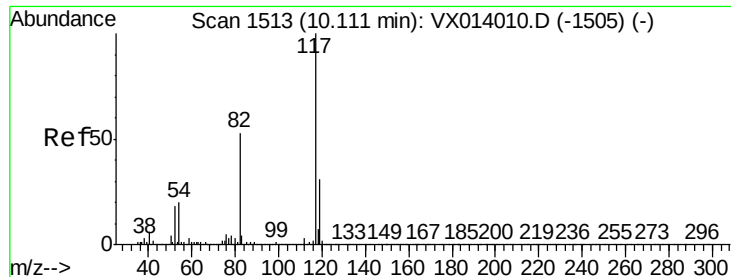
Tot Ion: 98 Resp: 965707  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 45.809 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX014311.D  
Acq: 27 Dec 2019 16:08

Tgt Ion: 95 Resp: 320842  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 175.8  
176 85.3 0.0 173.0

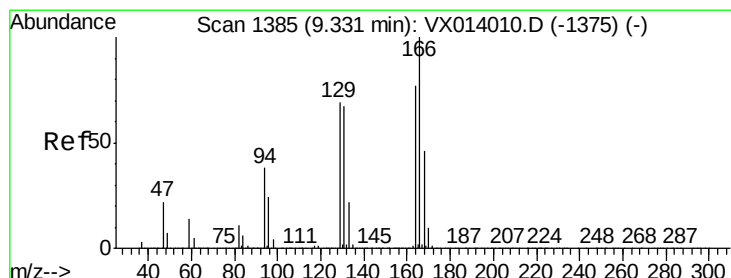
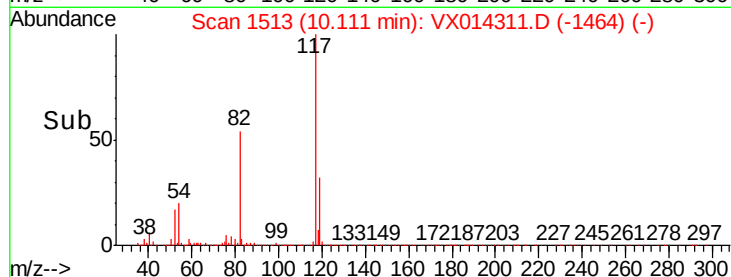
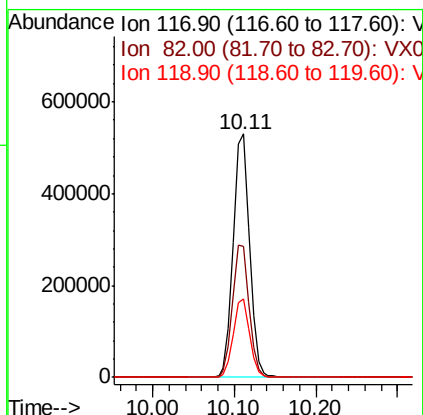
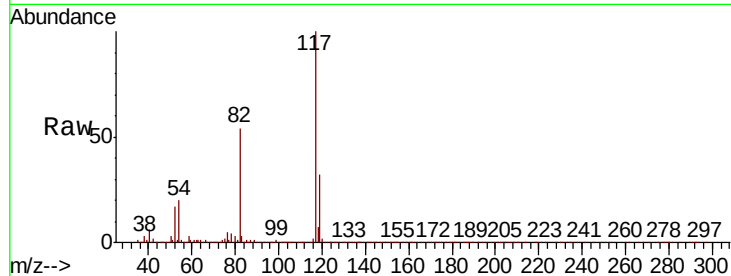




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX014311.D  
Acq: 27 Dec 2019 16:08

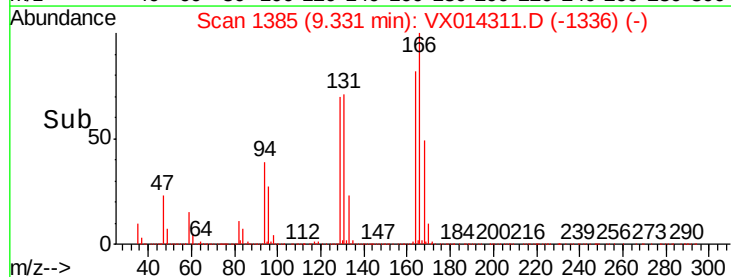
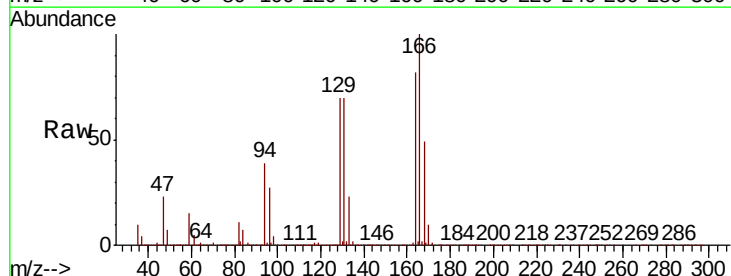
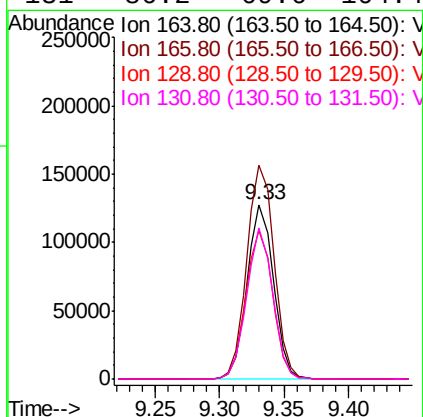
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-2DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.7  | 42.2  | 63.4  |
| 119     | 32.3  | 25.1  | 37.7  |

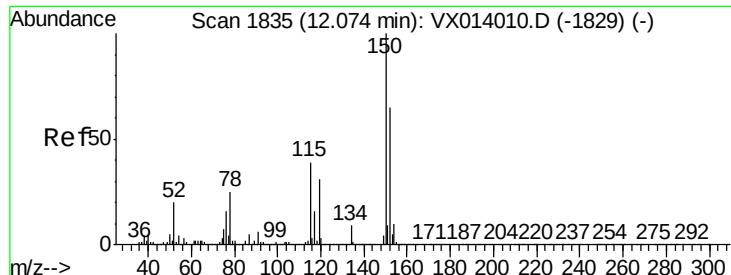


#64  
Tetrachloroethene  
Concen: 28.008 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX014311.D  
Acq: 27 Dec 2019 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 122.3 | 104.0 | 156.0 |
| 129     | 85.2  | 72.2  | 108.4 |
| 131     | 86.2  | 69.6  | 104.4 |







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014311.D

Acq: 27 Dec 2019 16:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-2DL

Tot Ion:152 Resp: 312360

Ion Ratio Lower Upper

152 100

115 56.4 38.3 114.9

150 159.6 0.0 345.4

