

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120419\  
 Data File : VX013762.D  
 Acq On : 04 Dec 2019 20:10  
 Operator : JC/SP  
 Sample : K6129-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-191203

Quant Time: Dec 05 05:57:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

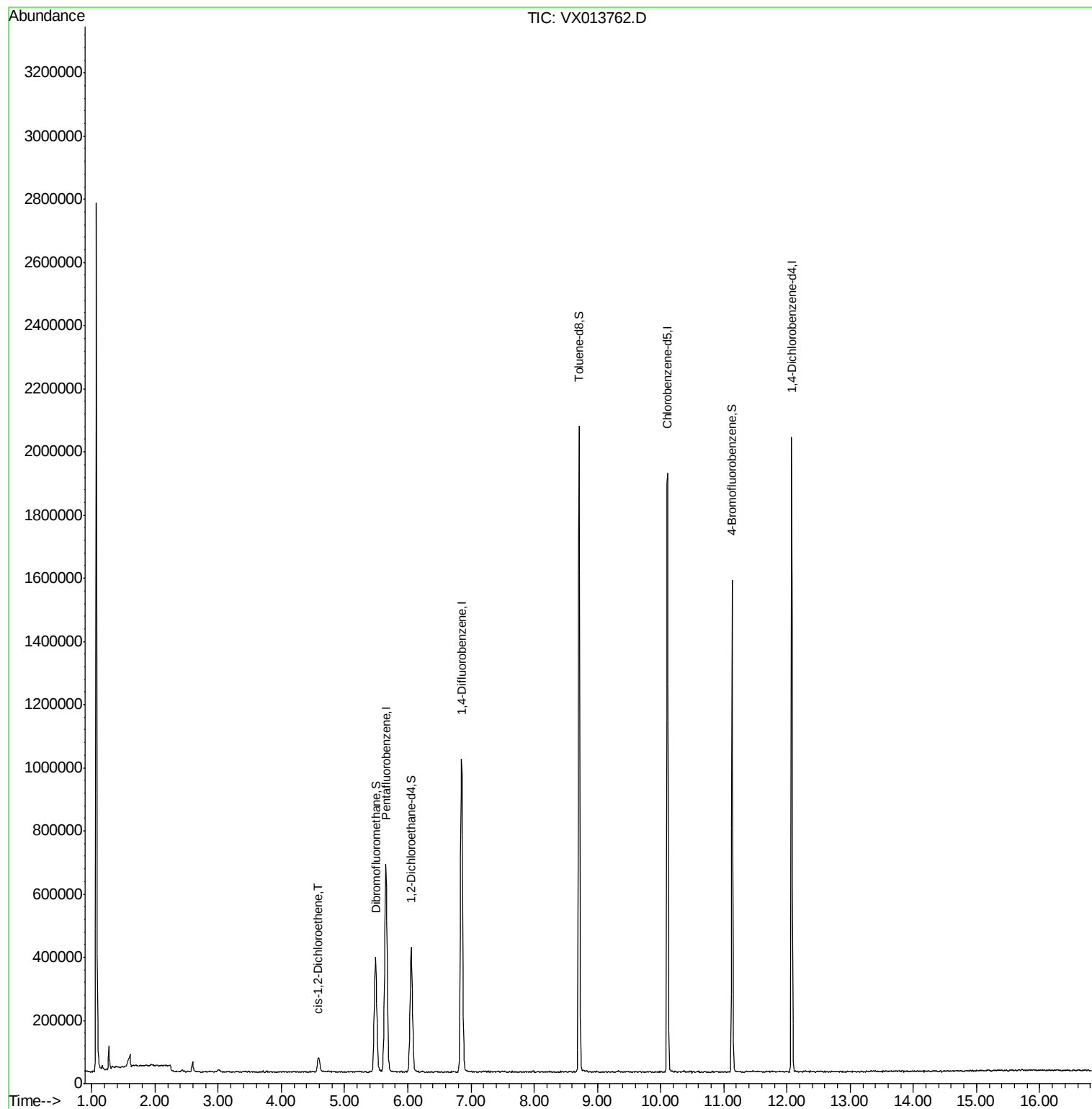
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|--------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 678241   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 1031587  | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 917433   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07  | 152  | 419589   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |        |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 373100   | 47.39 | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.78% |           |
| 35) Dibromofluoromethane    | 5.49   | 113  | 308219   | 48.33 | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.66% |           |
| 50) Toluene-d8              | 8.71   | 98   | 1209105  | 48.66 | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.32% |           |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 412183   | 46.00 | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =     | 92.00% |           |
| Target Compounds            |        |      |          |       |        |           |
| 27) cis-1,2-Dichloroethene  | 4.59   | 96   | 30658    | 3.797 | ug/l   | Qvalue 89 |

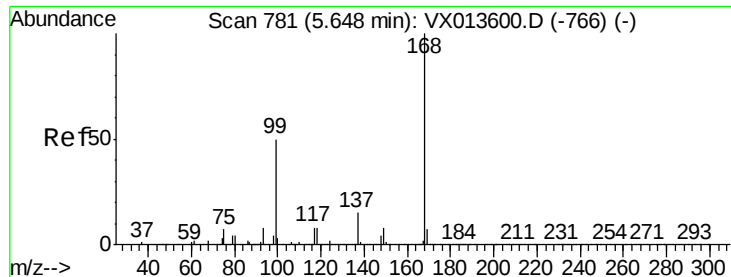
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120419\  
Data File : VX013762.D  
Acq On : 04 Dec 2019 20:10  
Operator : JC/SP  
Sample : K6129-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OUTFALL001-191203

Quant Time: Dec 05 05:57:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 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: VX013762.D

Acq: 04 Dec 2019 20:10

Instrument :

MSVOA\_X

ClientSampleId :

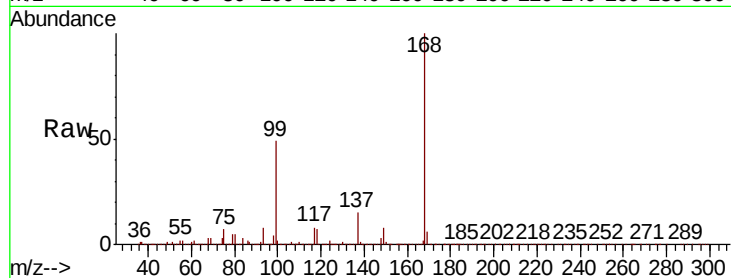
OUTFALL001-191203

Tot Ion:168 Resp: 678241

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

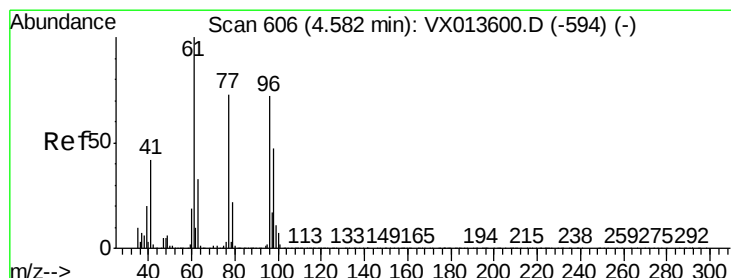
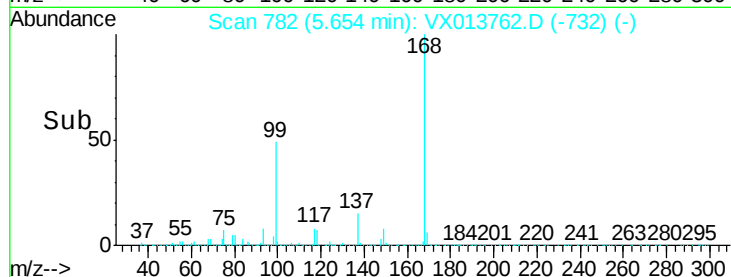
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 3.797 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013762.D

Acq: 04 Dec 2019 20:10

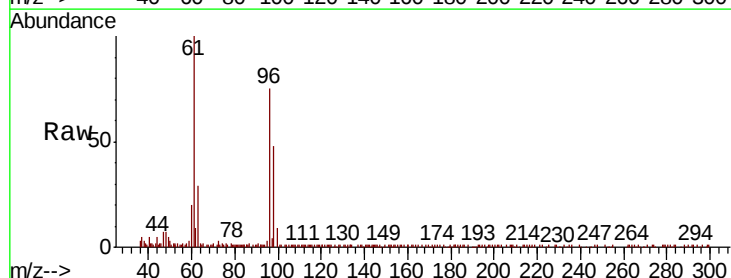
Tgt Ion: 96 Resp: 30658

Ion Ratio Lower Upper

96 100

61 125.0 0.0 286.4

98 66.6 0.0 127.4



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

4.59

20000

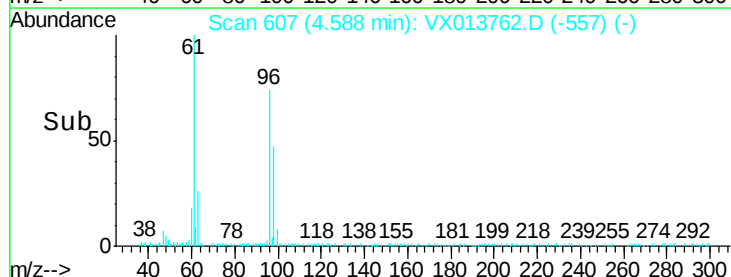
15000

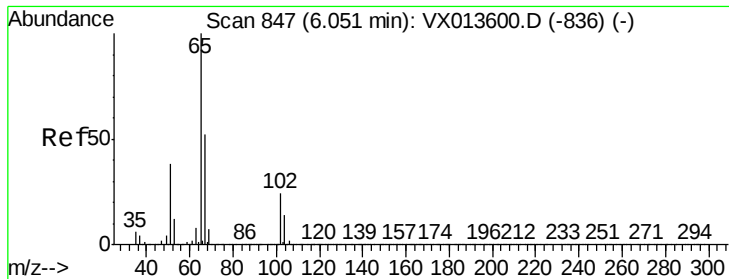
10000

5000

0

Time-->

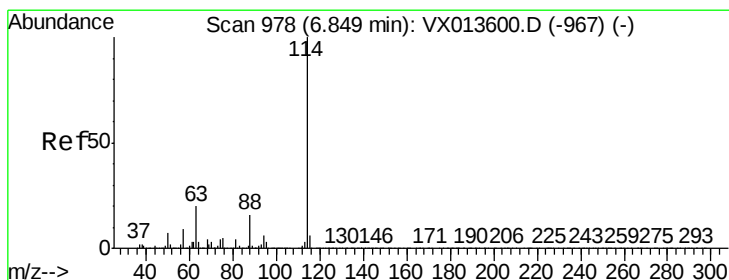
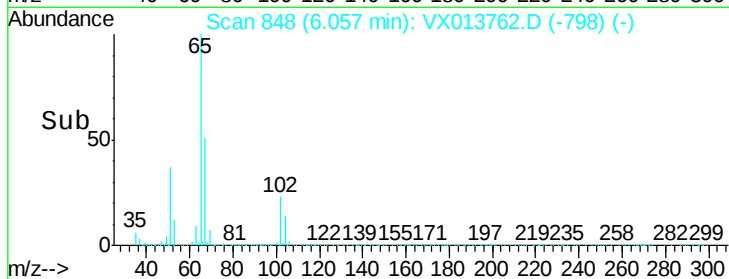
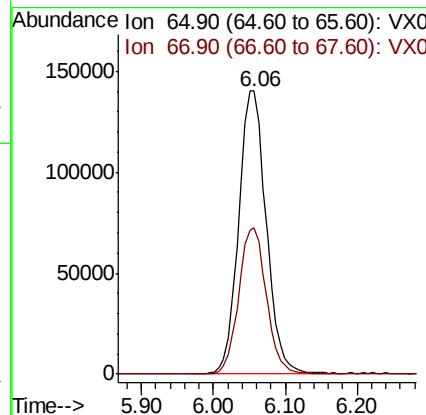
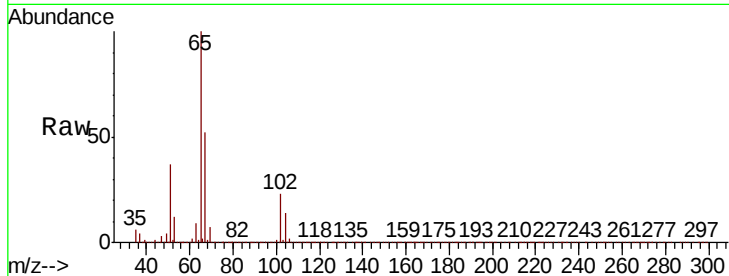




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.391 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX013762.D  
 Acq: 04 Dec 2019 20:10

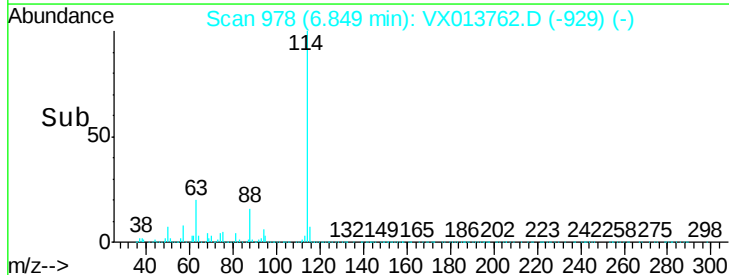
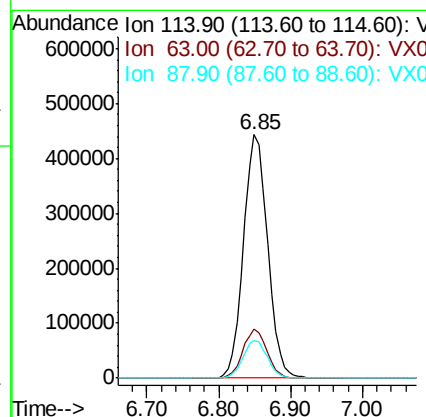
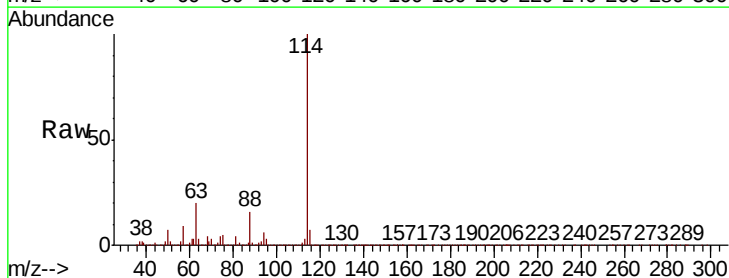
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-191203

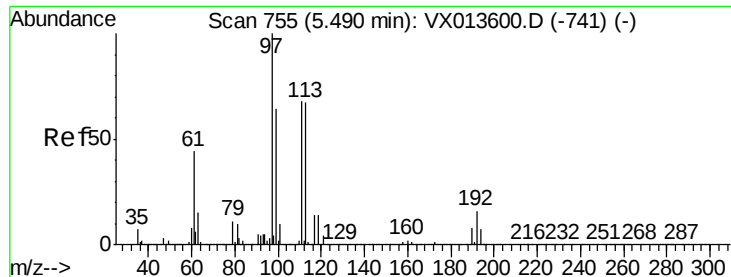
Tot Ion: 65 Resp: 373100  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX013762.D  
 Acq: 04 Dec 2019 20:10

Tgt Ion: 114 Resp: 1031587  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 39.6  
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.330 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013762.D

Acq: 04 Dec 2019 20:10

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-191203

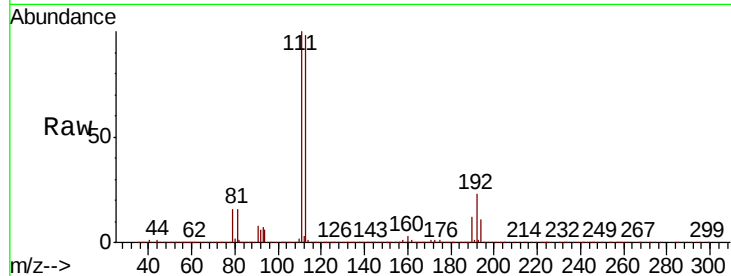
Tot Ion:113 Resp: 308219

Ion Ratio Lower Upper

113 100

111 102.4 83.6 125.4

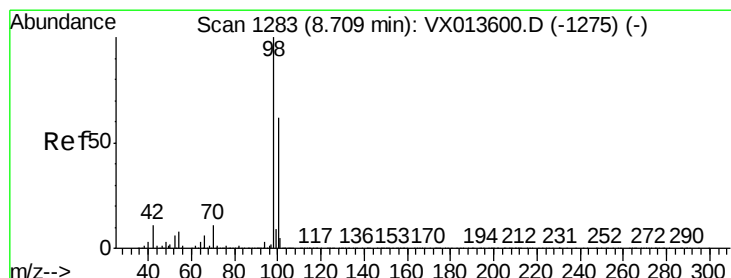
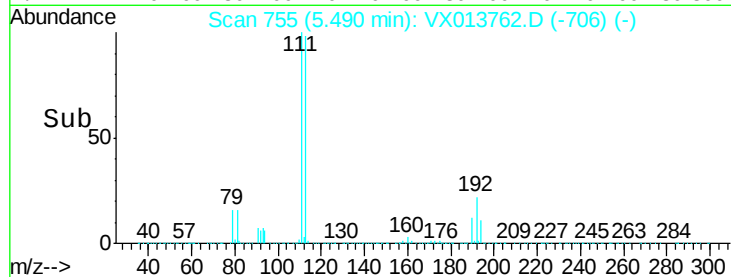
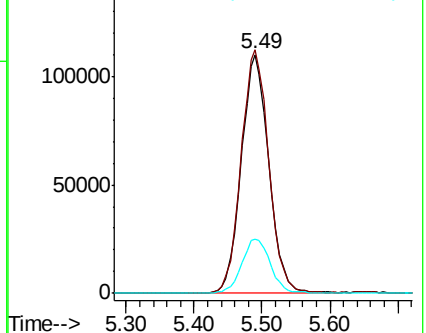
192 23.9 19.2 28.8



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: 48.662 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013762.D

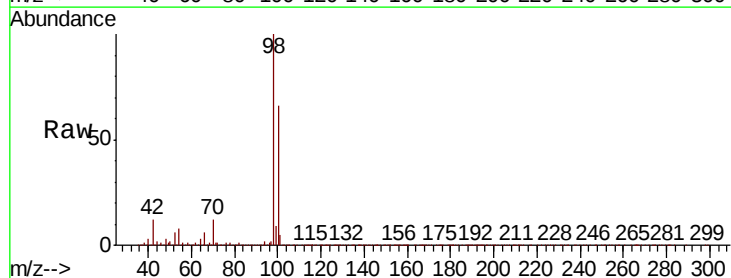
Acq: 04 Dec 2019 20:10

Tgt Ion: 98 Resp: 1209105

Ion Ratio Lower Upper

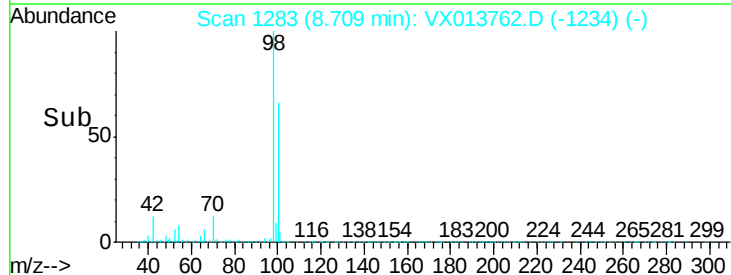
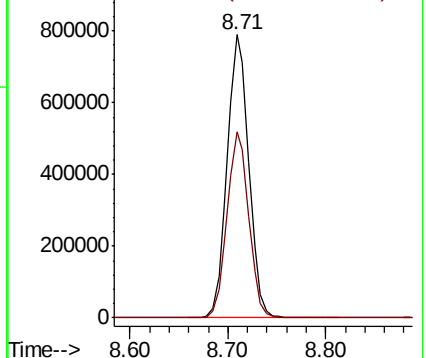
98 100

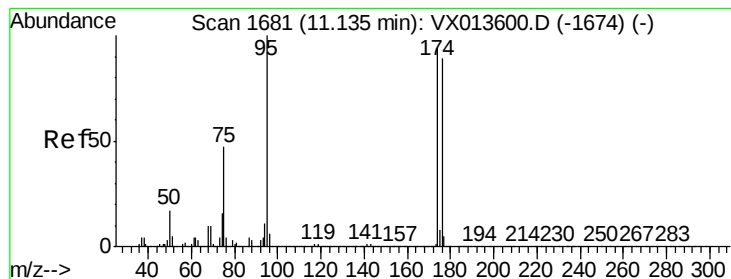
100 65.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.003 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013762.D

Acq: 04 Dec 2019 20:10

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-191203

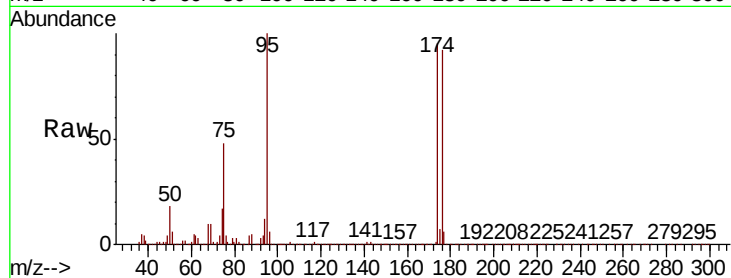
Tot Ion: 95 Resp: 412183

Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.0

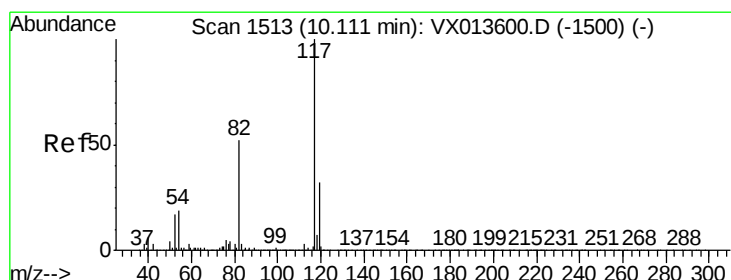
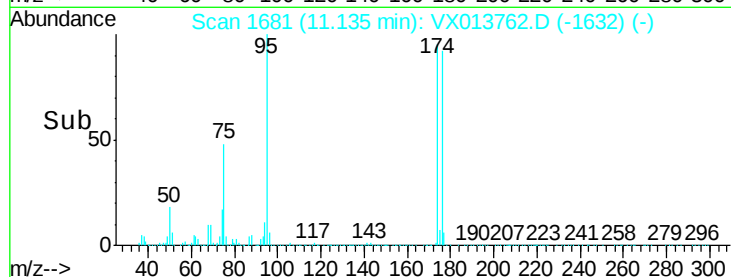
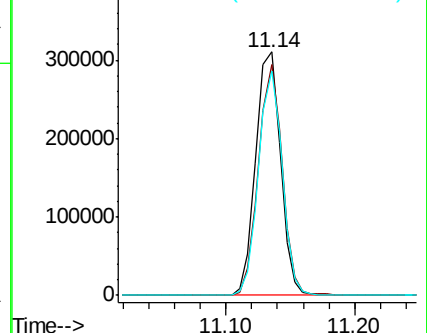
176 88.2 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX013762.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013762.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013762.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013762.D

Acq: 04 Dec 2019 20:10

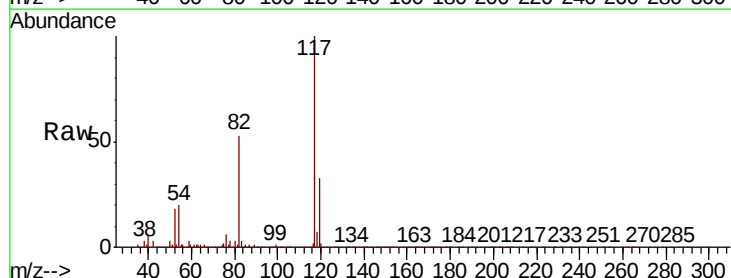
Tgt Ion: 117 Resp: 917433

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.8

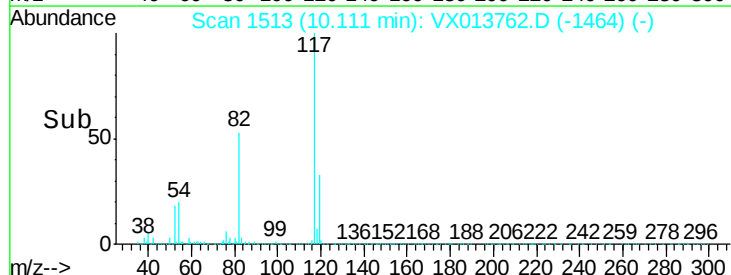
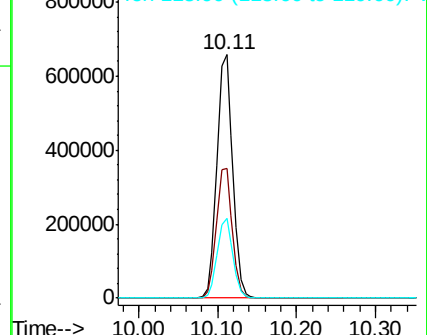
119 32.7 25.8 38.8

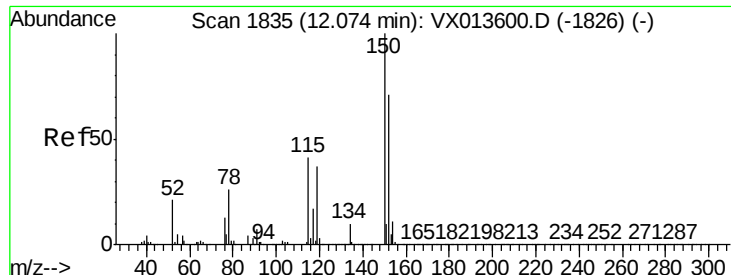


Abundance Ion 116.90 (116.60 to 117.60): VX013762.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013762.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013762.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013762.D

Acq: 04 Dec 2019 20:10

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-191203

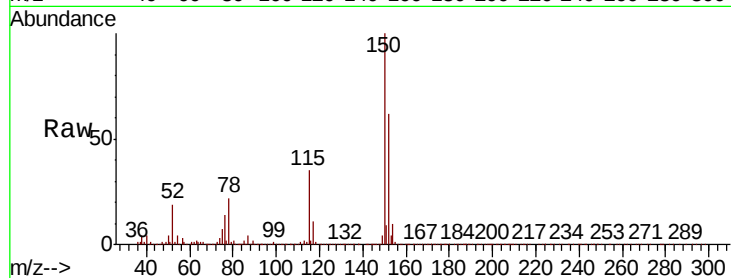
Tot Ion:152 Resp: 419589

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

150 157.1 0.0 346.8



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

