

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051119\  
 Data File : VX009528.D  
 Acq On : 11 May 2019 16:17  
 Operator : JC/SP  
 Sample : K2799-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-4

Quant Time: May 12 02:34:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 09 07:31:15 2019  
 Response via : Initial Calibration

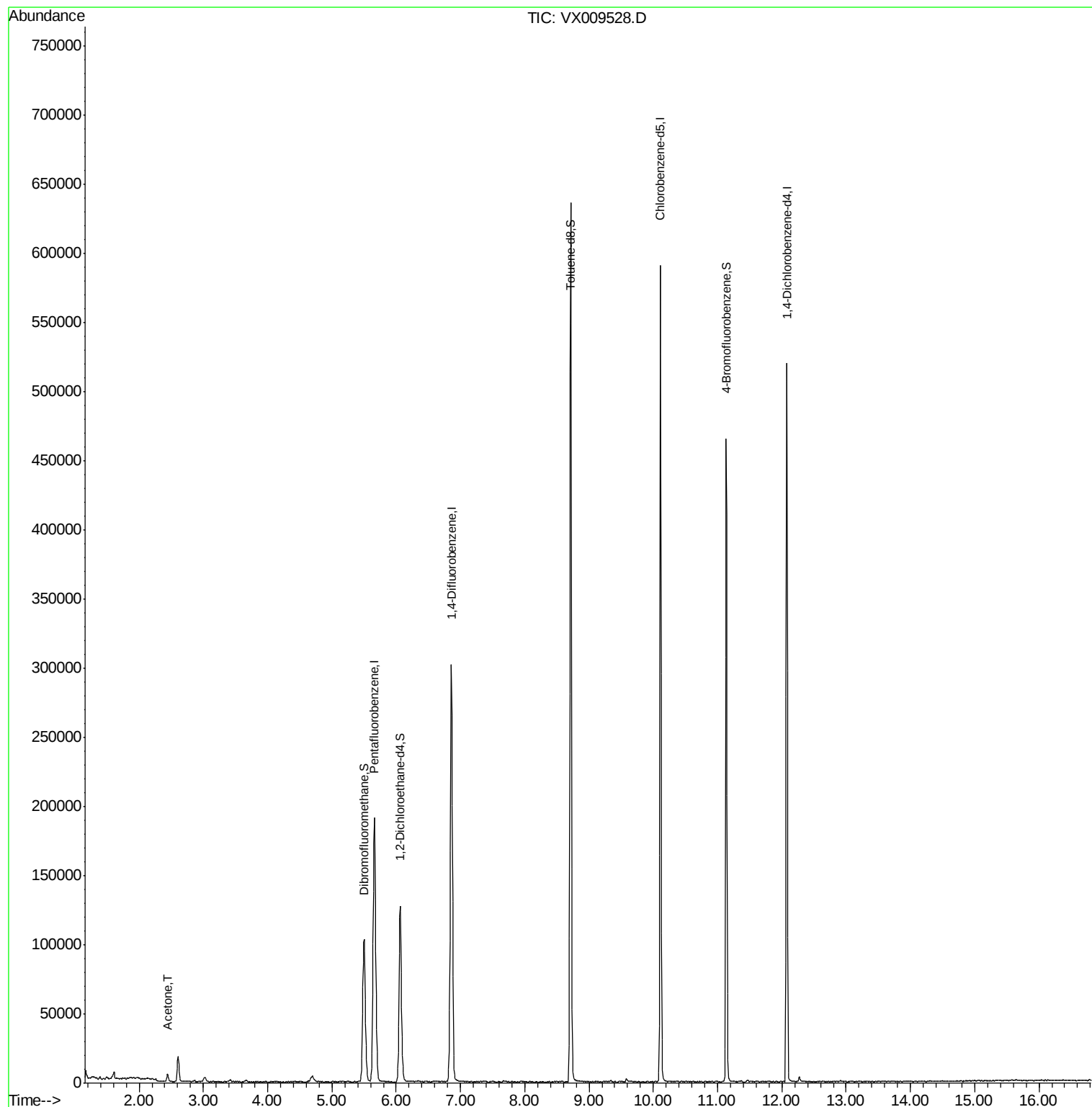
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 185325   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 295382   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 255490   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 109263   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 120771   | 47.74 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.48% |           |
| 35) Dibromofluoromethane    | 5.50  | 113  | 89457    | 48.18 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.36% |           |
| 50) Toluene-d8              | 8.71  | 98   | 368832   | 49.20 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.40% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 119866   | 44.00 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.00% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 2.44  | 43   | 6008     | 4.423 | ug/l   | Qvalue 95 |

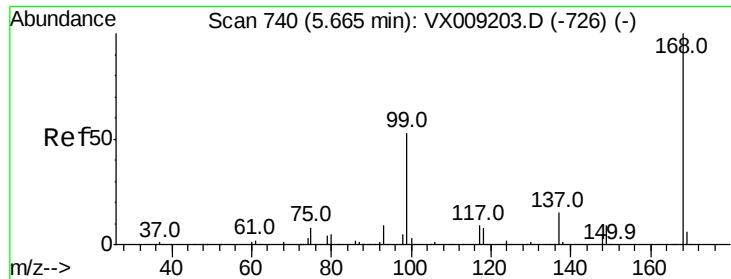
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042919W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 09 07:31:15 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009528.D

Acq: 11 May 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

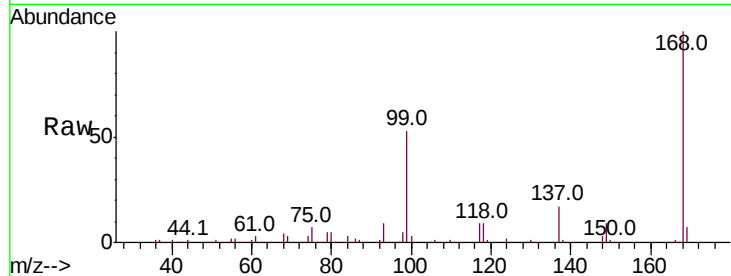
MW-4

Tot Ion:168 Resp: 185325

Ion Ratio Lower Upper

168 100

99 53.3 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009528.D (-691) (-)

Ion 98.90 (98.60 to 99.60): VX009528.D (-691) (-)

5.67

60000

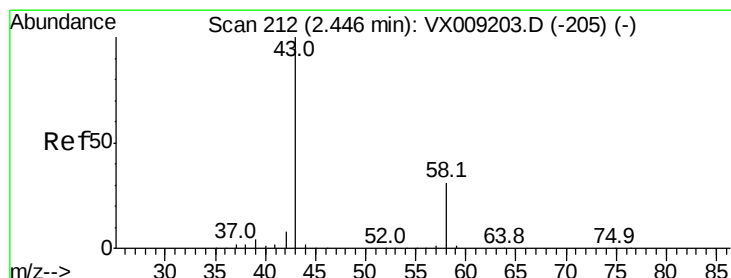
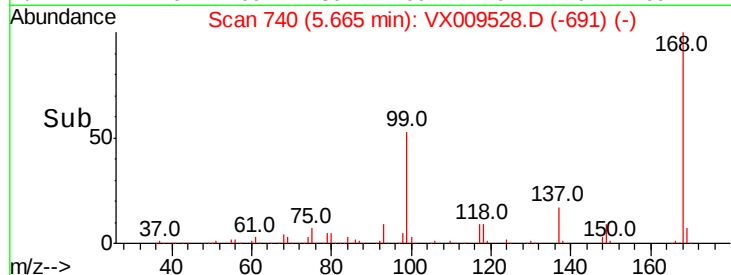
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.423 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009528.D

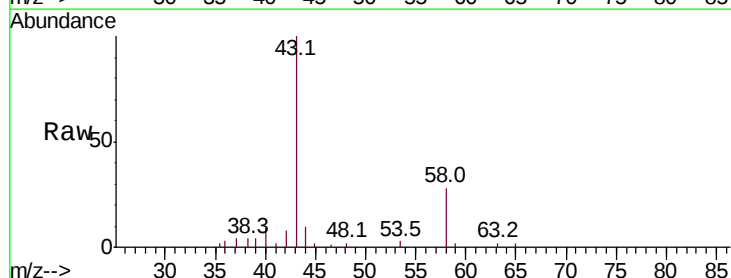
Acq: 11 May 2019 16:17

Tgt Ion: 43 Resp: 6008

Ion Ratio Lower Upper

43 100

58 28.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX009528.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX009528.D (-163) (-)

2.44

4000

3000

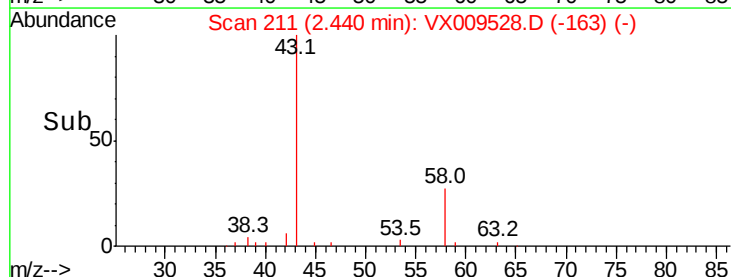
2000

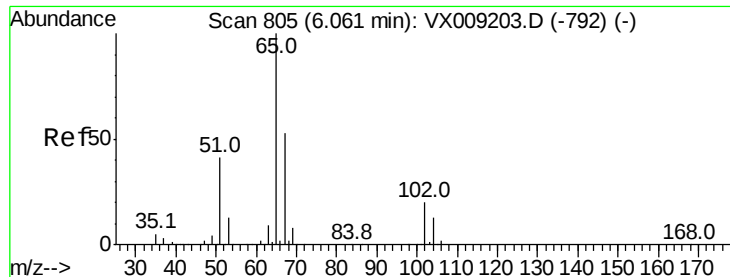
1000

0

Time-->

2.40 2.45 2.50





#33

1,2-Dichloroethane-d4

Concen: 47.737 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009528.D

Acq: 11 May 2019 16:17

Instrument :

MSVOA\_X

ClientSampled :

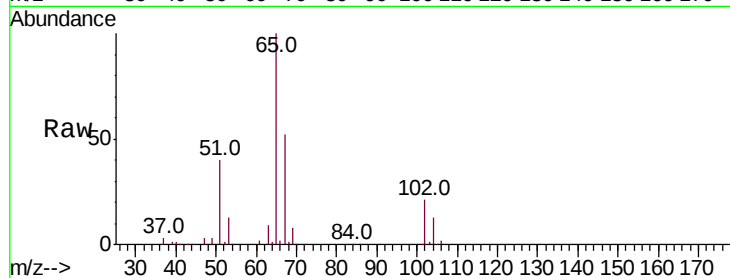
MW-4

Tot Ion: 65 Resp: 120771

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

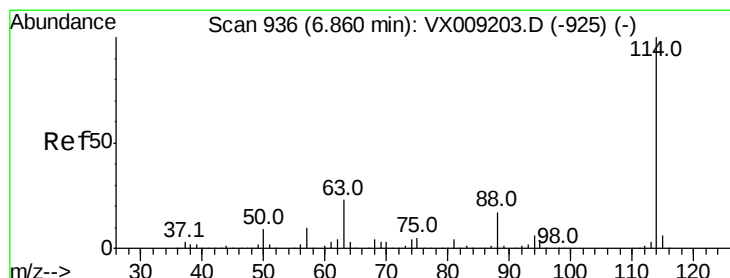
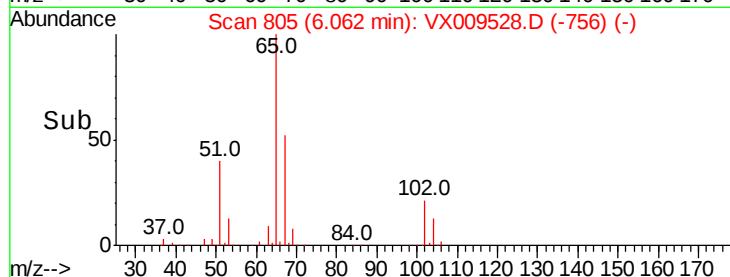
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009528.D

Acq: 11 May 2019 16:17

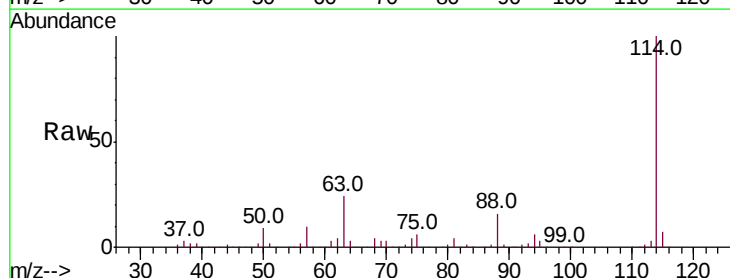
Tgt Ion:114 Resp: 295382

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.6

88 16.5 0.0 33.2



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

6.86

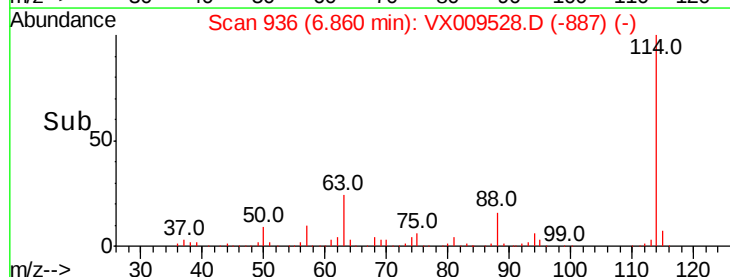
150000

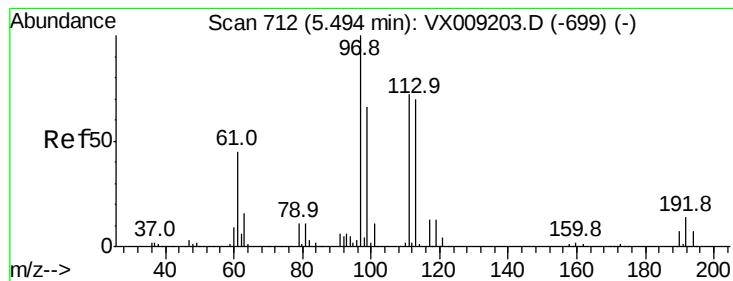
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.176 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009528.D

Acq: 11 May 2019 16:17

Instrument :

MSVOA\_X

ClientSampleId :

MW-4

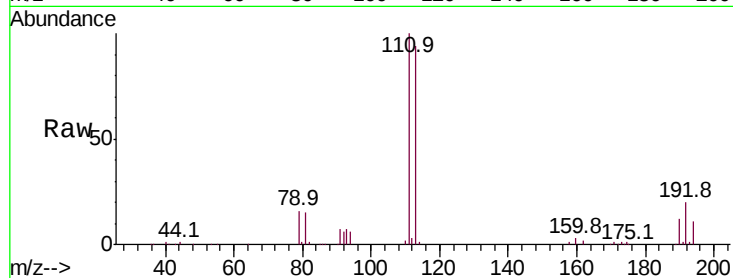
Tot Ion:113 Resp: 89457

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

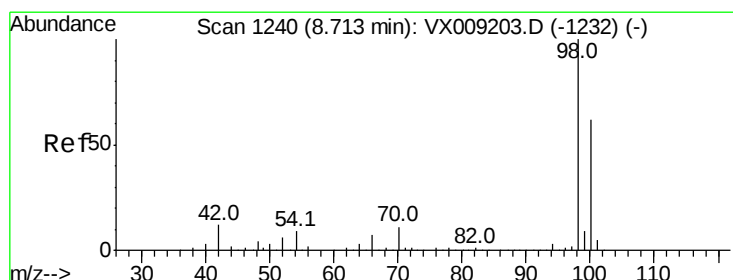
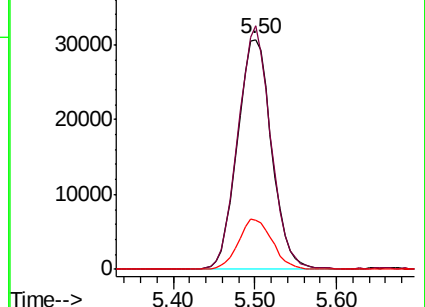
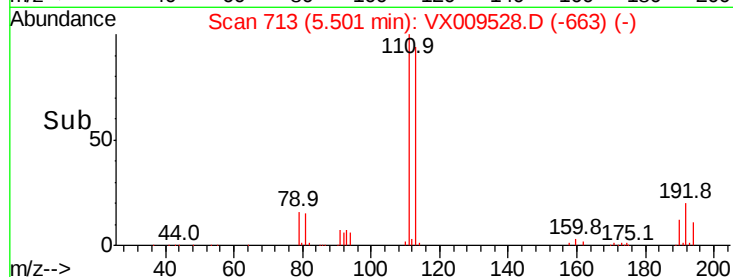
192 21.7 17.0 25.6



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: 49.199 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009528.D

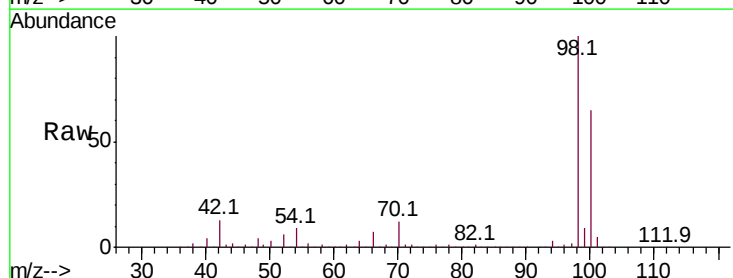
Acq: 11 May 2019 16:17

Tgt Ion: 98 Resp: 368832

Ion Ratio Lower Upper

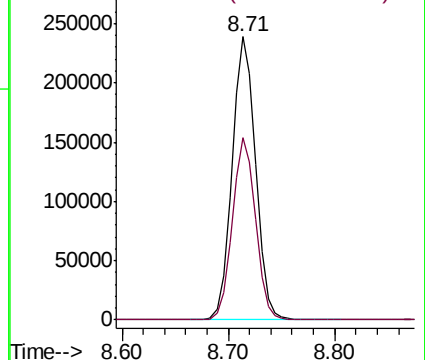
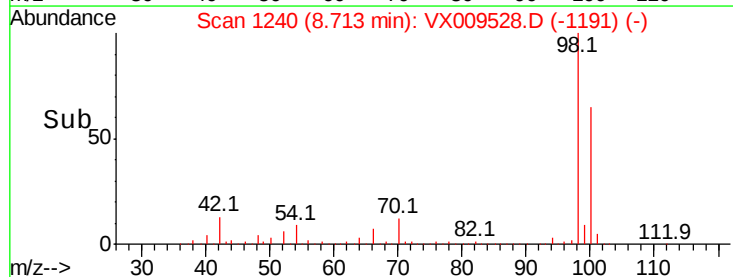
98 100

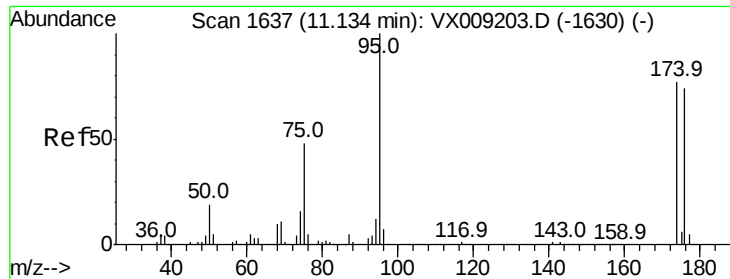
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

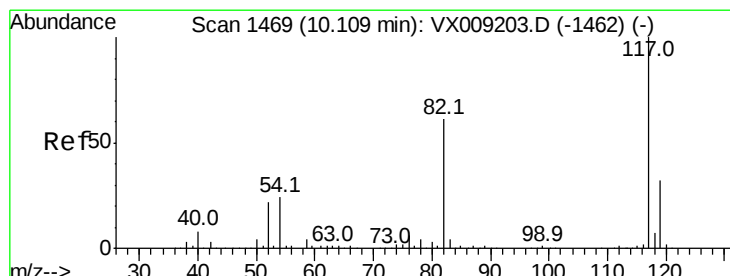
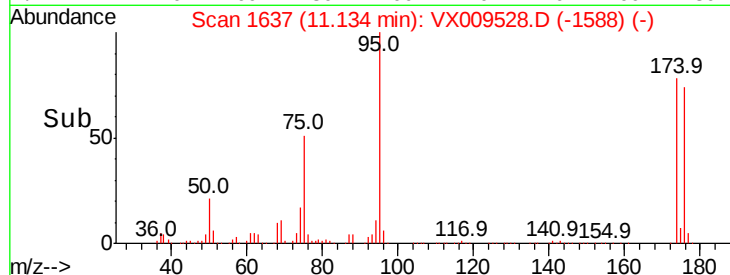
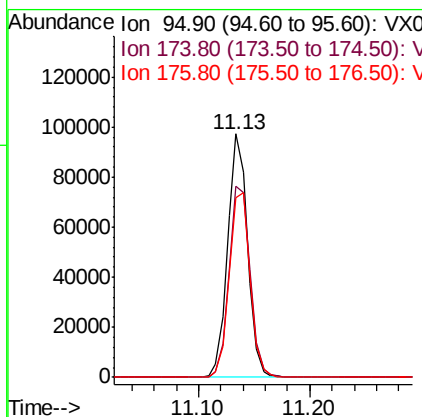
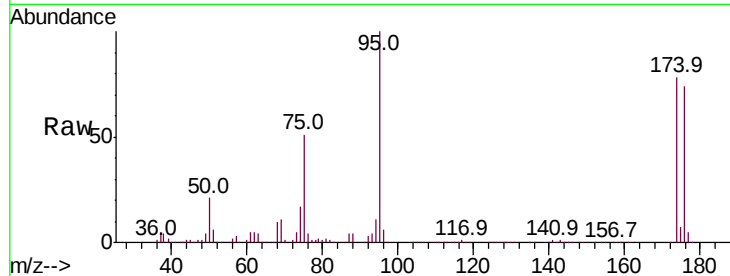




#62  
4-Bromofluorobenzene  
Concen: 44.003 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX009528.D  
Acq: 11 May 2019 16:17

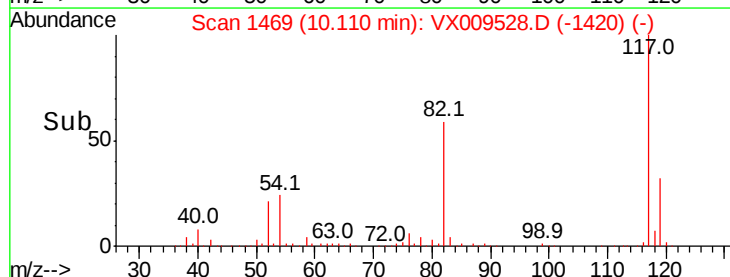
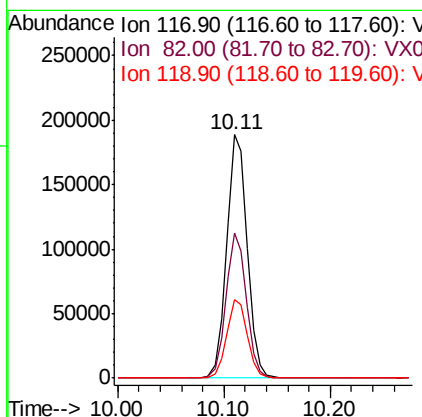
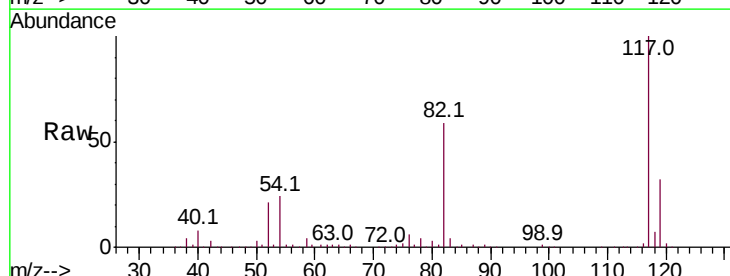
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-4

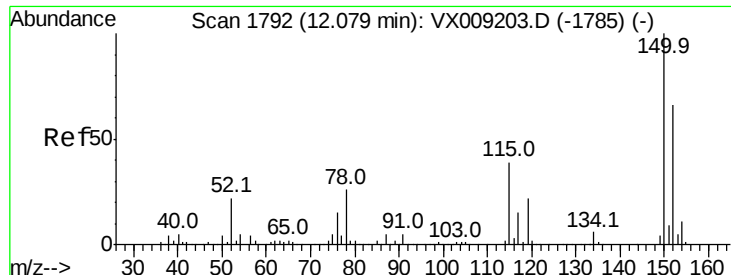
Tot Ion: 95 Resp: 119866  
Ion Ratio Lower Upper  
95 100  
174 83.4 0.0 161.6  
176 80.2 0.0 159.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX009528.D  
Acq: 11 May 2019 16:17

Tgt Ion: 117 Resp: 255490  
Ion Ratio Lower Upper  
117 100  
82 59.4 48.8 73.2  
119 32.2 25.8 38.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX009528.D  
 Acq: 11 May 2019 16:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.8  | 41.2  | 123.6 |
| 150     | 156.6 | 0.0   | 346.4 |

