

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\  
 Data File : VX011177.D  
 Acq On : 30 Jul 2019 04:40  
 Operator : JC/SP  
 Sample : K4021-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-10

Quant Time: Jul 30 08:19:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071619W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 24 05:39:23 2019  
 Response via : Initial Calibration

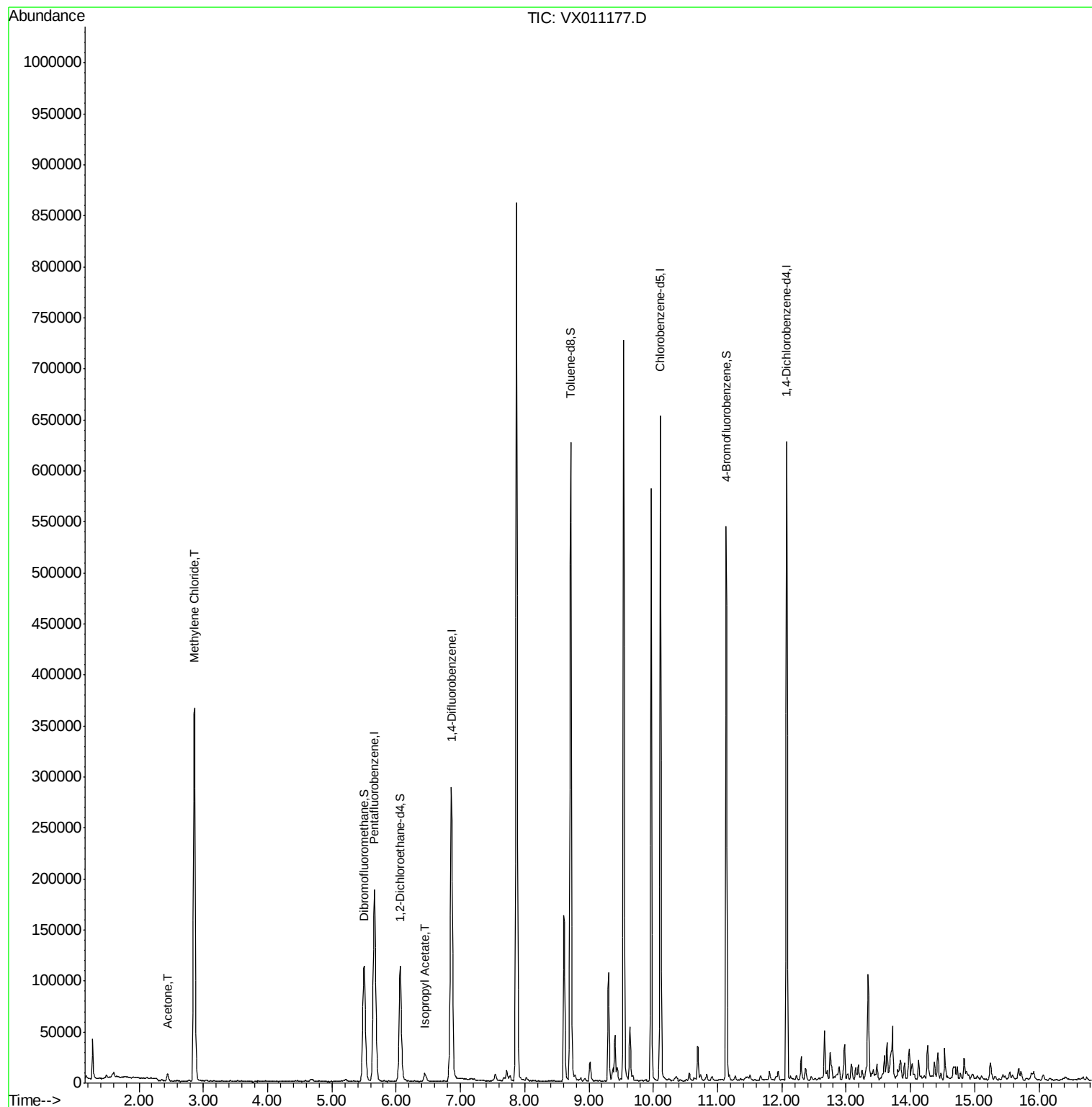
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 186564   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 302025   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 295867   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 137690   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 103327   | 52.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.12% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 96558    | 50.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.74% |          |
| 50) Toluene-d8              | 8.71  | 98   | 377521   | 52.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.02% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 130959   | 49.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 8613     | 9.608  | ug/l #  | 79       |
| 20) Methylene Chloride      | 2.86  | 84   | 180906   | 95.229 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.45  | 43   | 10224    | 2.448  | ug/l    | 97       |

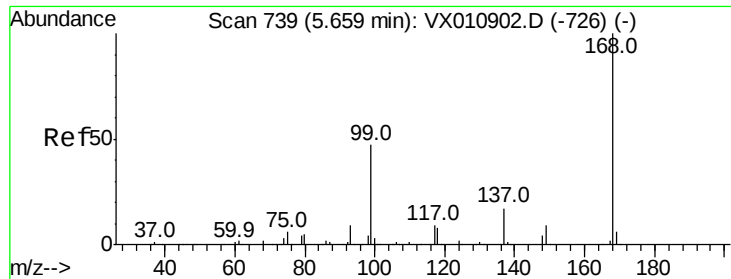
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072919\  
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Quant Title : SW846 8260  
QLast Update : Wed Jul 24 05:39:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

Instrument :

MSVOA\_X

ClientSampleId :

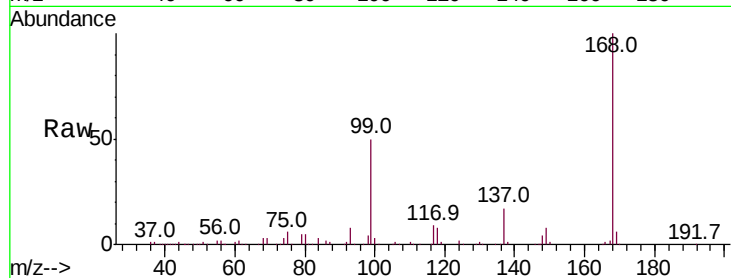
TP-10

Tot Ion:168 Resp: 186564

Ion Ratio Lower Upper

168 100

99 50.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): VX011177.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX011177.D (-690) (-)

5.67

60000

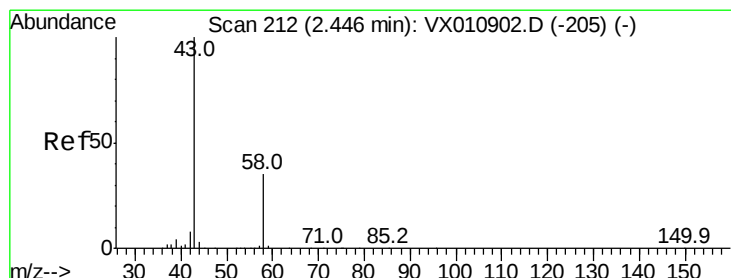
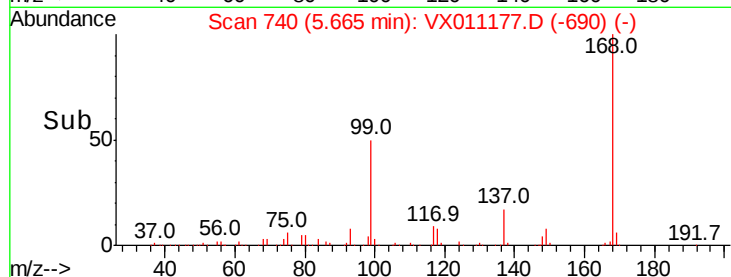
40000

20000

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 9.608 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX011177.D

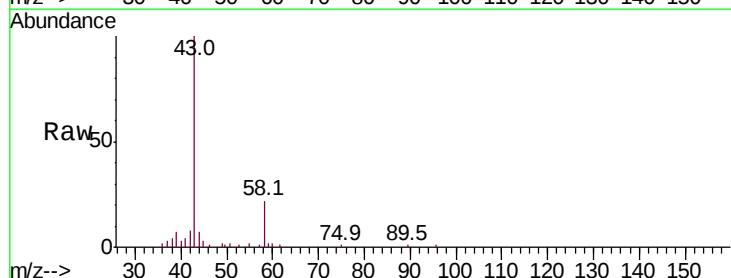
Acq: 30 Jul 2019 04:40

Tgt Ion: 43 Resp: 8613

Ion Ratio Lower Upper

43 100

58 22.7 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VX011177.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VX011177.D (-163) (-)

2.45

6000

5000

4000

3000

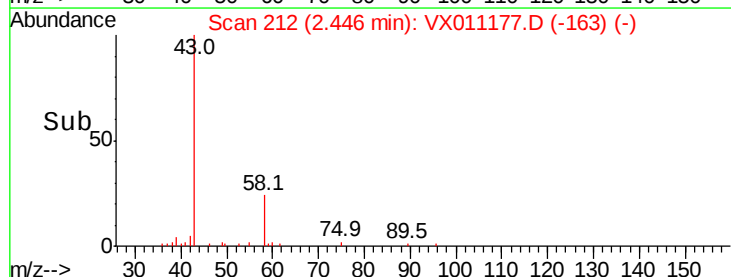
2000

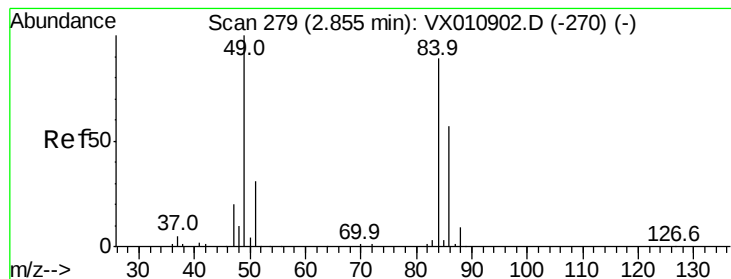
1000

0

2.35 2.40 2.45 2.50 2.55

Time-->





#20

Methylene Chloride

Concen: 95.229 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

Instrument :

MSVOA\_X

ClientSampled :

TP-10

Tot Ion: 84 Resp: 180906

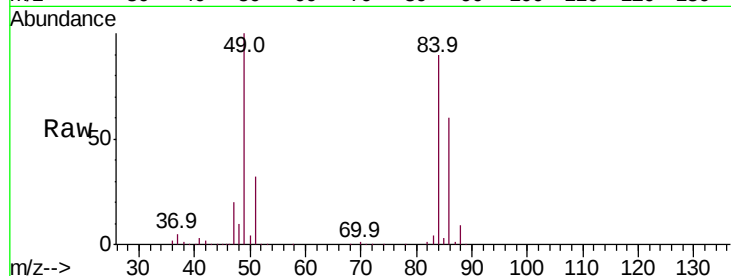
Ion Ratio Lower Upper

84 100

49 110.6 89.9 134.9

51 34.9 27.8 41.6

86 66.2 51.8 77.6



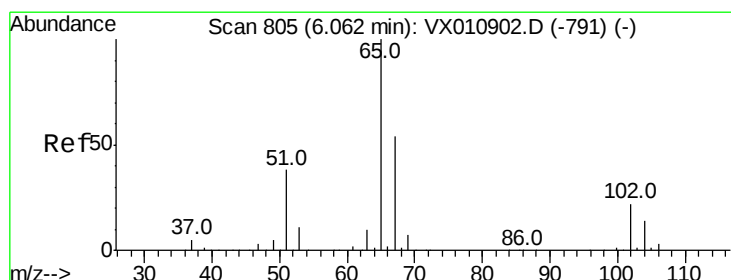
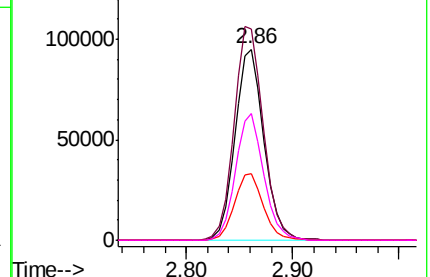
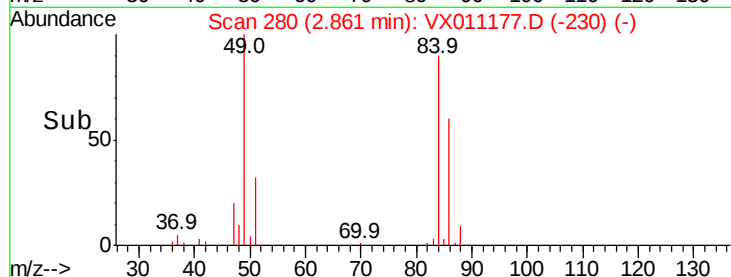
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.060 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX011177.D

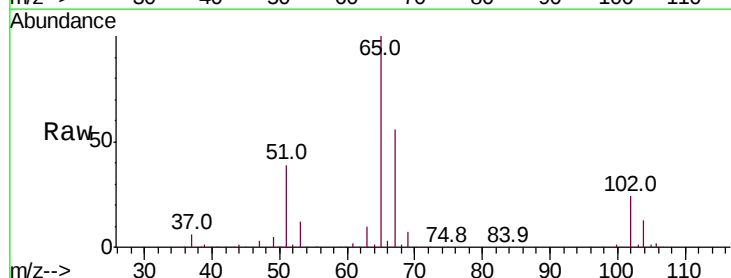
Acq: 30 Jul 2019 04:40

Tgt Ion: 65 Resp: 103327

Ion Ratio Lower Upper

65 100

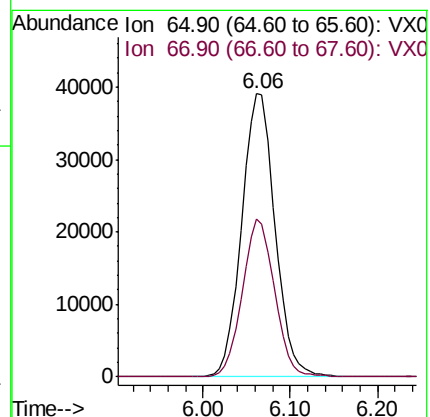
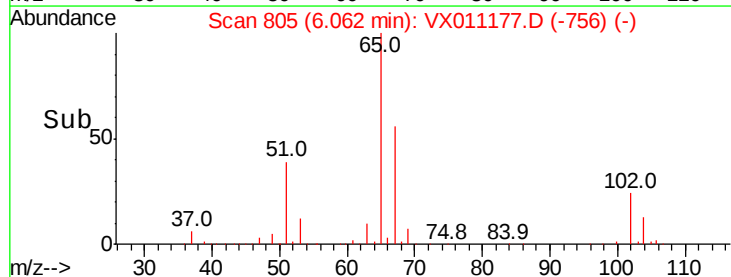
67 54.2 0.0 107.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

Instrument :

MSVOA\_X

ClientSampleId :

TP-10

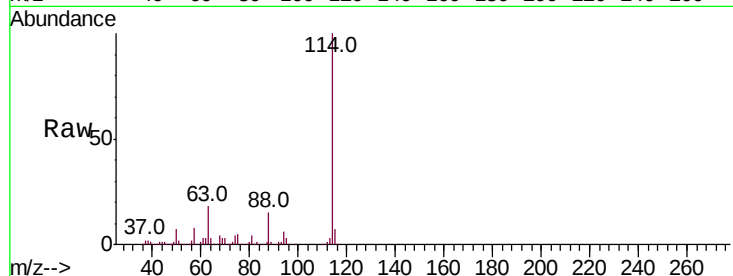
Tot Ion:114 Resp: 302025

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

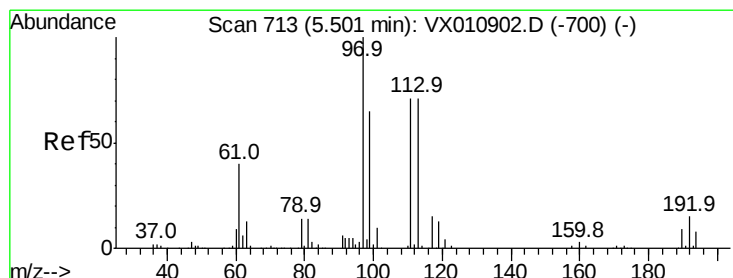
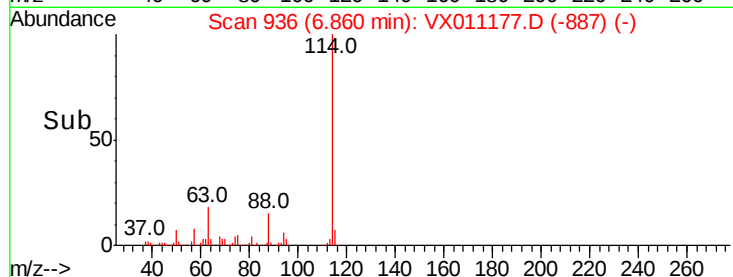
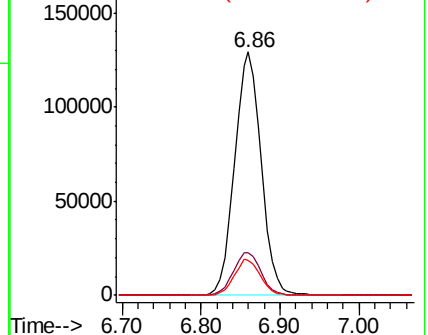
88 14.5 0.0 29.8



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: 50.369 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

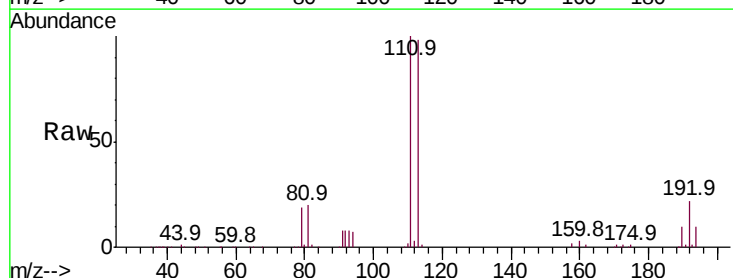
Tgt Ion:113 Resp: 96558

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

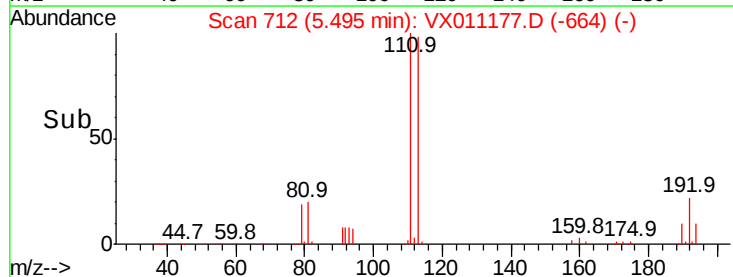
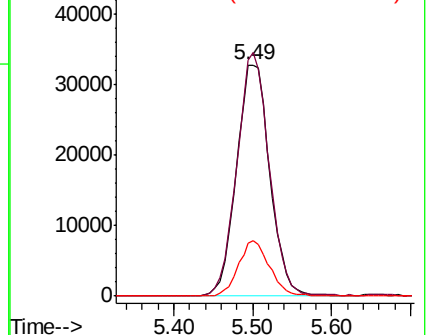
192 22.2 17.4 26.2

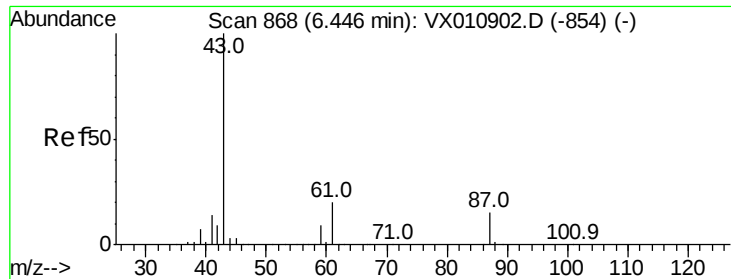


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.448 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

Instrument :

MSVOA\_X

ClientSampleId :

TP-10

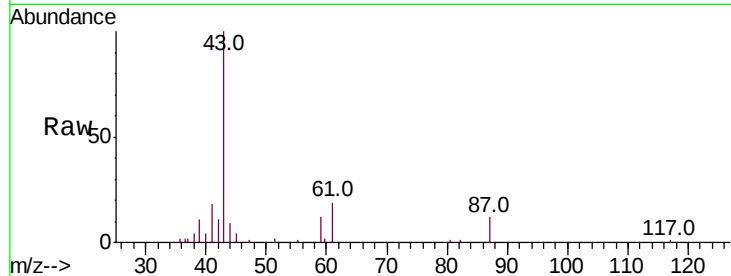
Tot Ion: 43 Resp: 10224

Ion Ratio Lower Upper

43 100

61 23.7 17.1 25.7

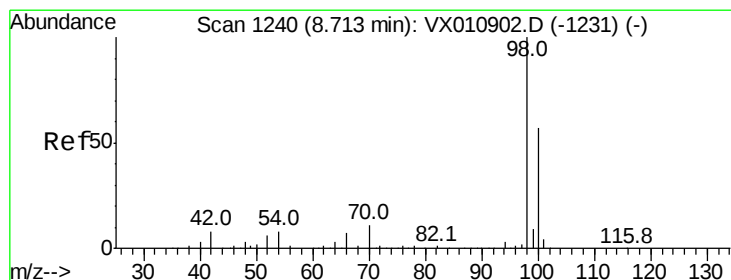
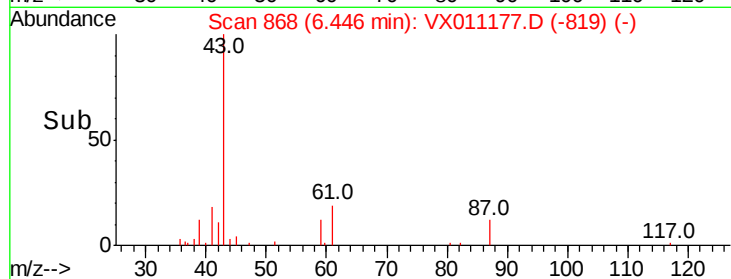
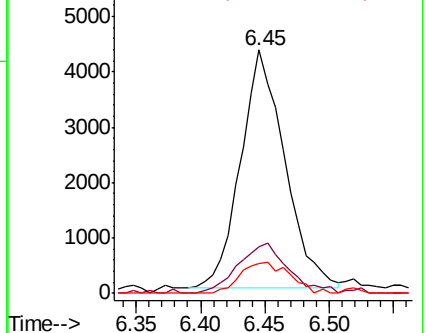
87 14.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 52.506 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011177.D

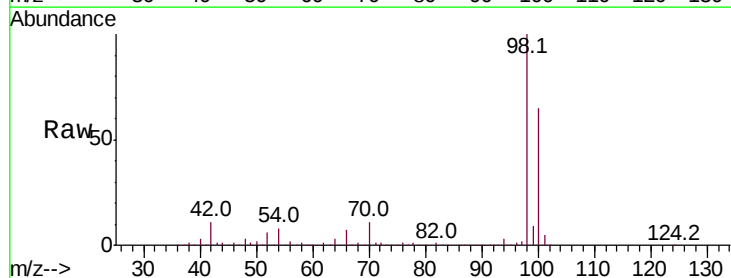
Acq: 30 Jul 2019 04:40

Tgt Ion: 98 Resp: 377521

Ion Ratio Lower Upper

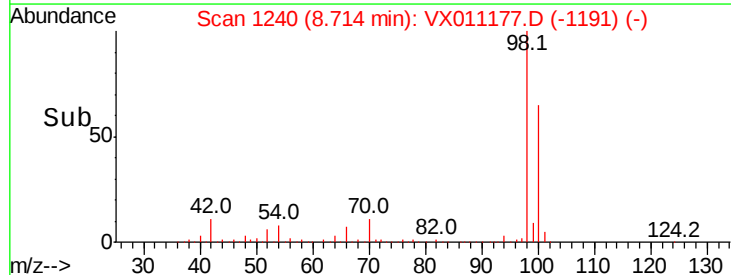
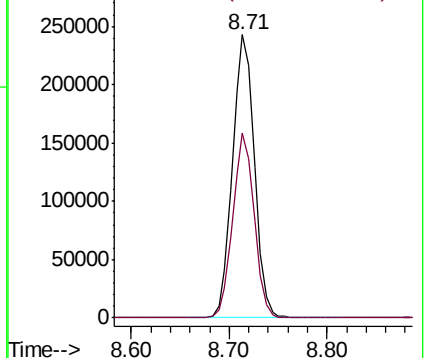
98 100

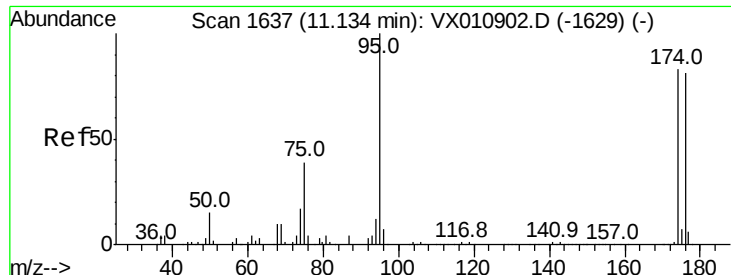
100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 49.552 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

Instrument :

MSVOA\_X

ClientSampled :

TP-10

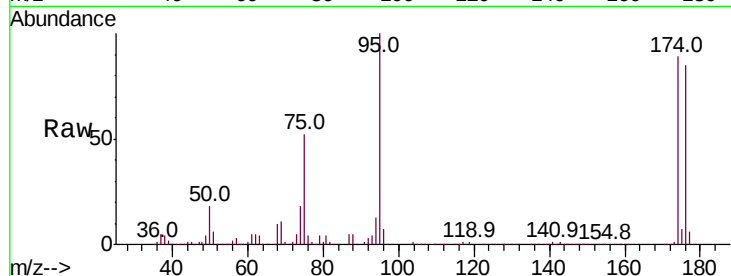
Tot Ion: 95 Resp: 130959

Ion Ratio Lower Upper

95 100

174 93.0 0.0 180.6

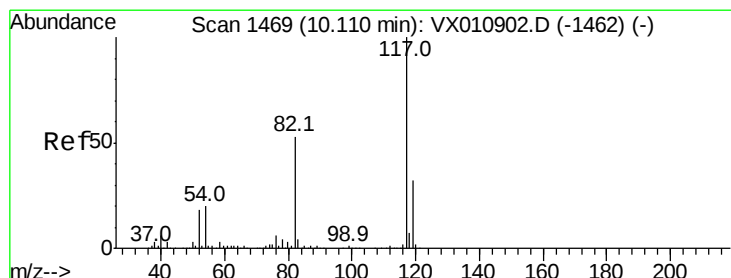
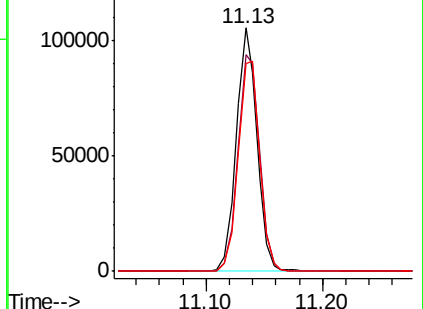
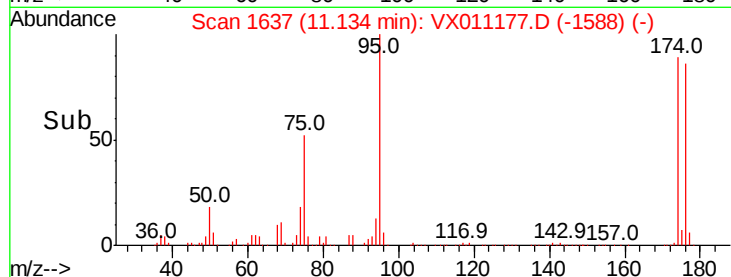
176 90.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011177.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011177.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011177.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011177.D

Acq: 30 Jul 2019 04:40

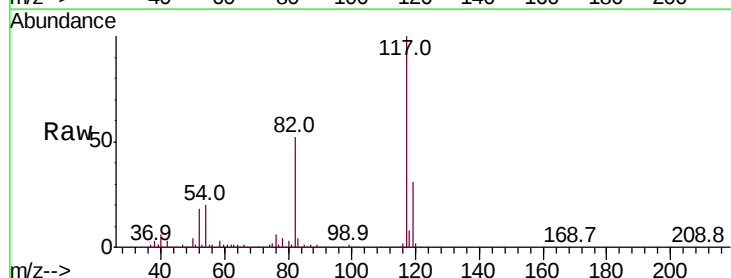
Tgt Ion: 117 Resp: 295867

Ion Ratio Lower Upper

117 100

82 52.0 42.6 63.8

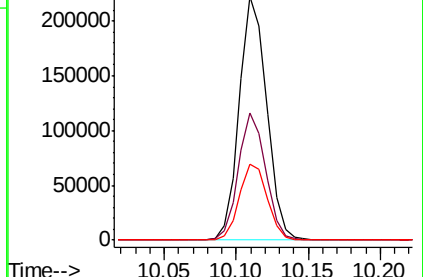
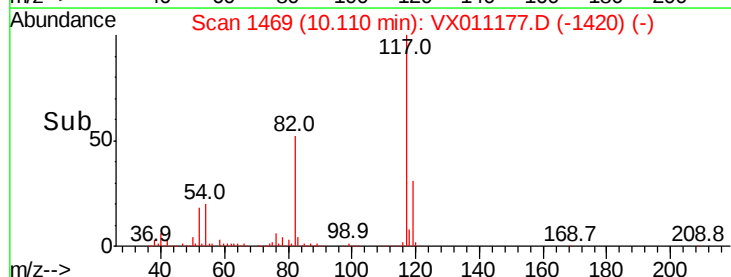
119 31.4 25.9 38.9

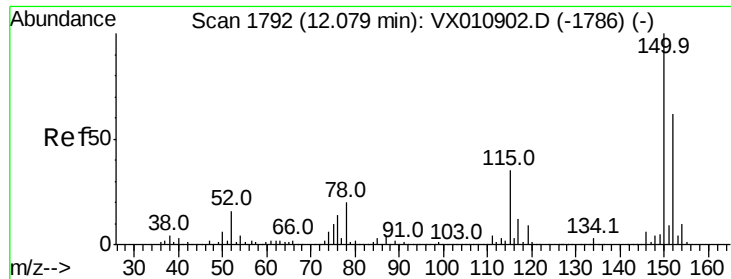


Abundance Ion 116.90 (116.60 to 117.60): VX011177.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011177.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011177.D (-1420) (-)

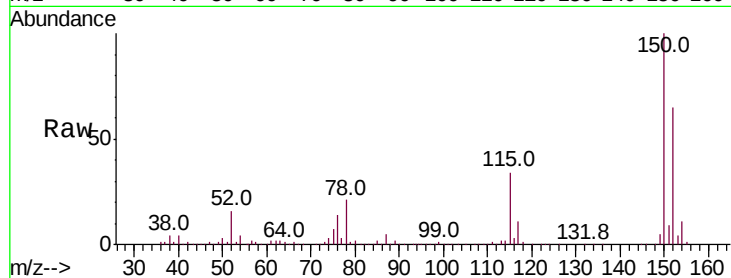




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX011177.D  
 Acq: 30 Jul 2019 04:40

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-10

Tot Ion:152 Resp: 137690  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 39.7 119.1  
 150 155.3 0.0 345.6



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

