

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091720\  
 Data File : VX018477.D  
 Acq On : 17 Sep 2020 19:26  
 Operator : JC/SP  
 Sample : L4058-02 20X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-2R

Quant Time: Sep 18 07:22:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091720W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 17 12:17:36 2020  
 Response via : Initial Calibration

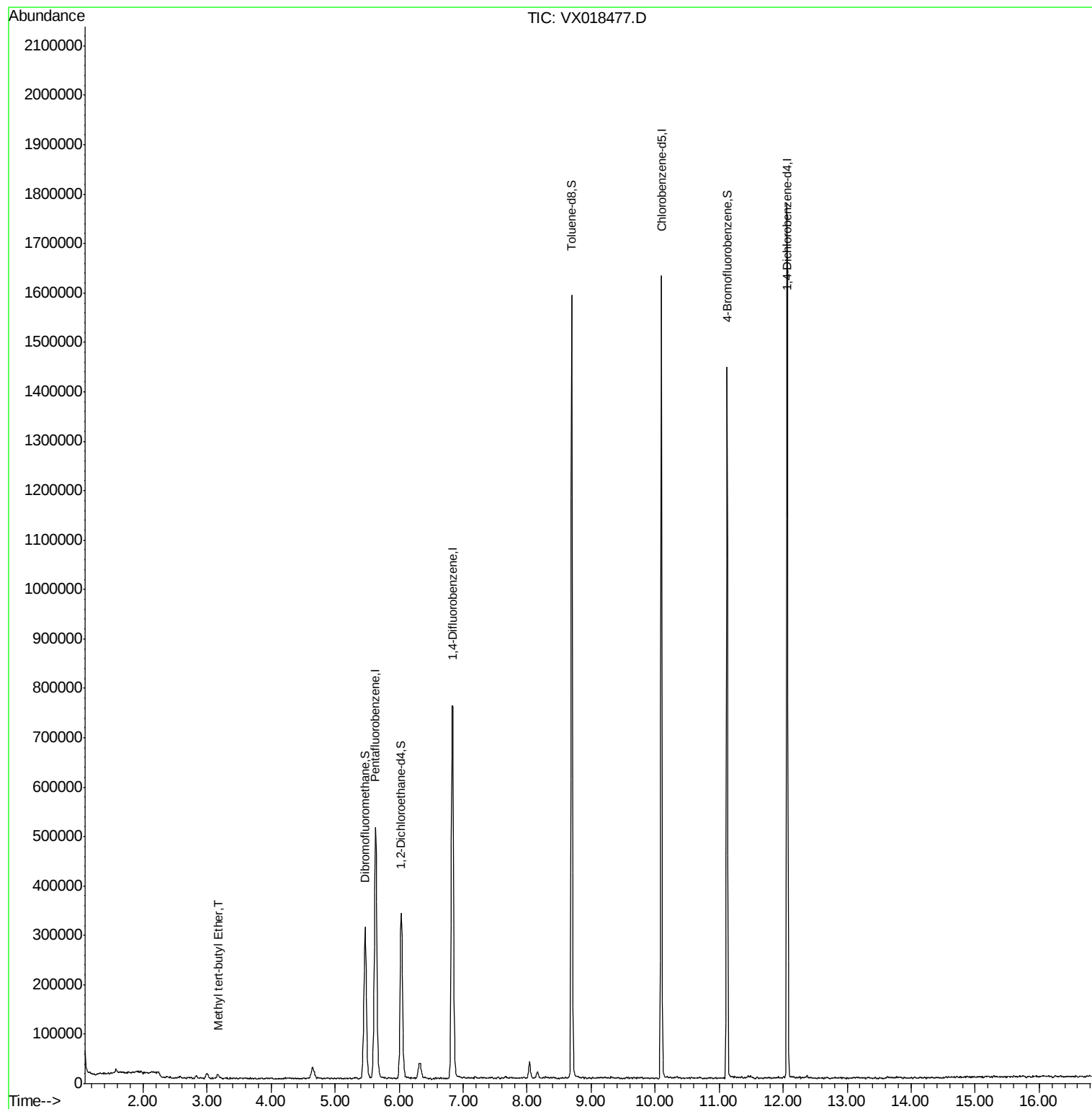
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 472833   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 764102   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 742093   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 371243   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 331939   | 49.63 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.26% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 260341   | 49.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.58% |          |
| 50) Toluene-d8              | 8.70  | 98   | 919740   | 47.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.84% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 352646   | 46.19 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.38% |          |
| Target Compounds            |       |      |          |       |        |          |
| 19) Methyl tert-butyl Ether | 3.17  | 73   | 8586     | 0.534 | ug/l # | 90       |

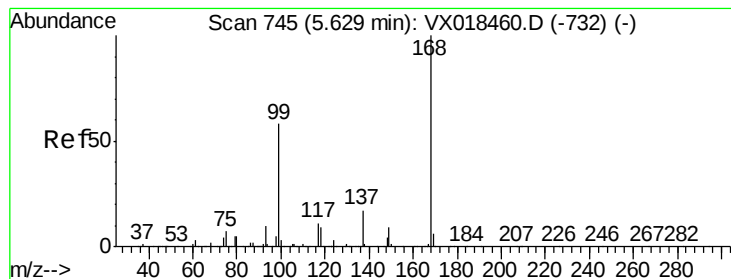
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Sep 17 12:17:36 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA\_X

ClientSampleId :

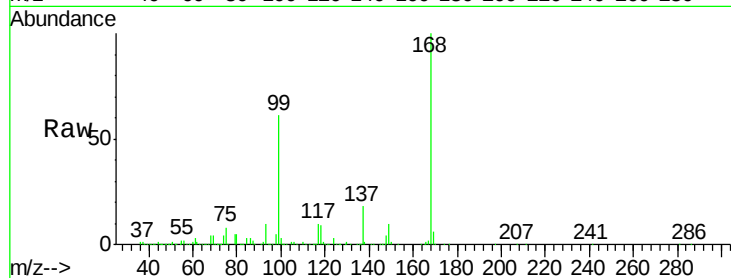
MW-2R

Tot Ion:168 Resp: 472833

Ion Ratio Lower Upper

168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

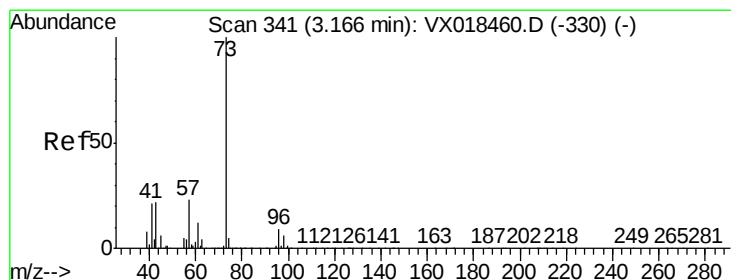
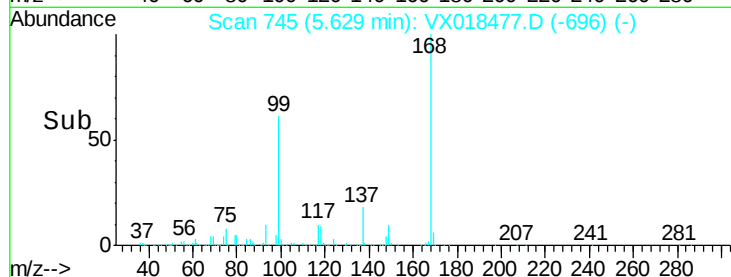
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 0.534 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.01 min

Lab File: VX018477.D

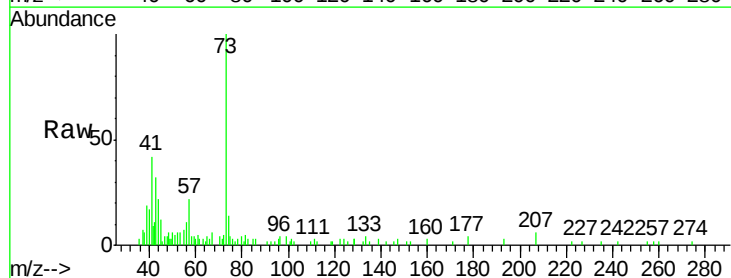
Acq: 17 Sep 2020 19:26

Tgt Ion: 73 Resp: 8586

Ion Ratio Lower Upper

73 100

57 17.8 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.17

3000

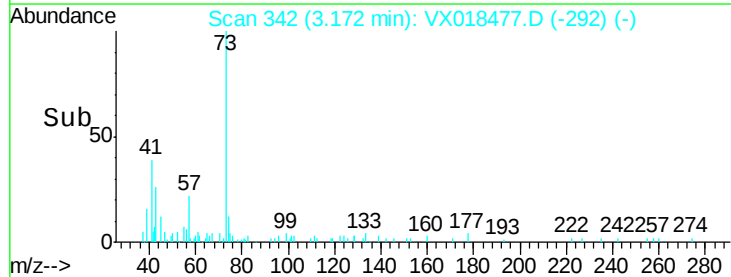
2000

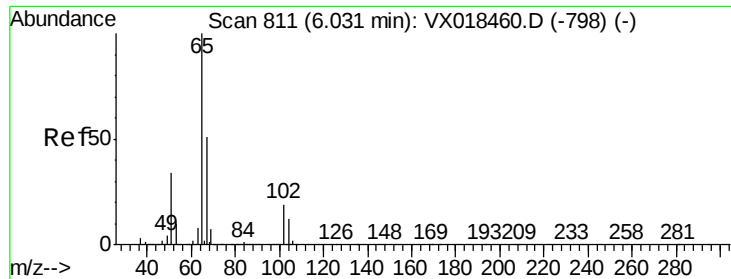
1000

0

Time-->

3.05 3.10 3.15 3.20

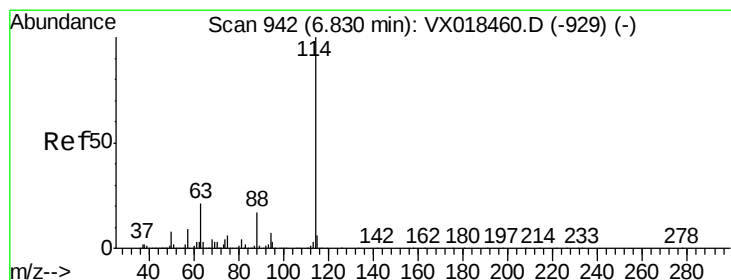
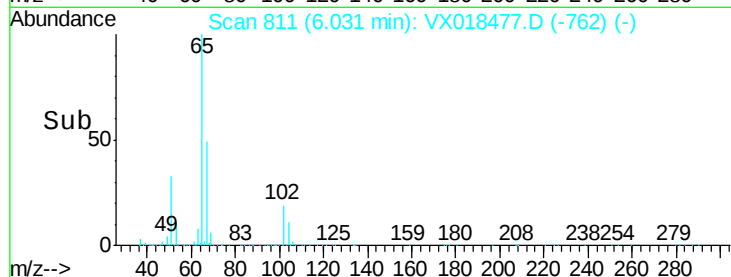
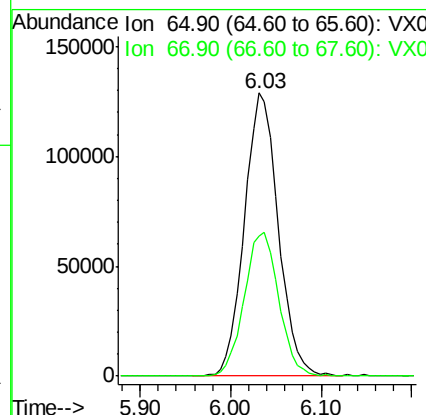
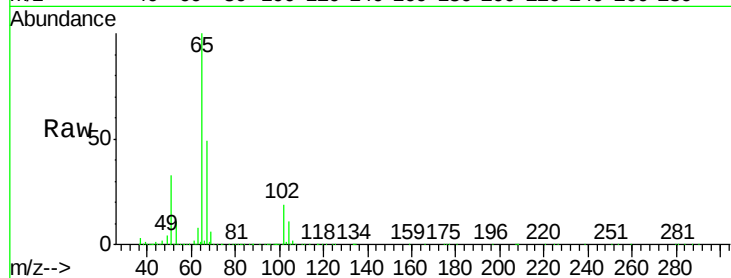




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.625 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX018477.D  
 Acq: 17 Sep 2020 19:26

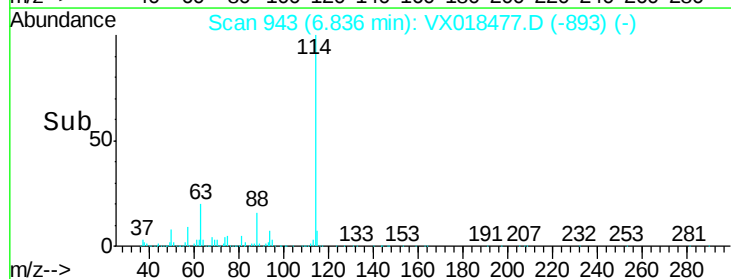
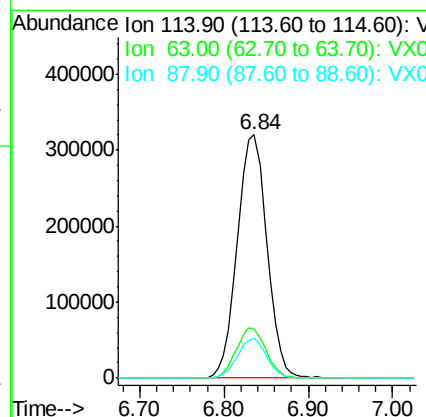
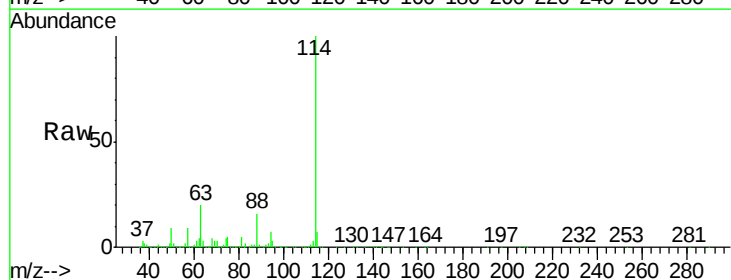
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 MW-2R

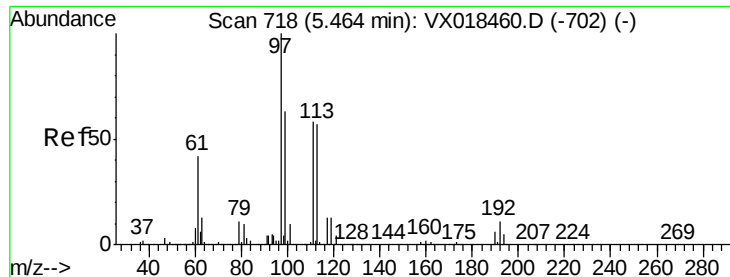
Tot Ion: 65 Resp: 331939  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX018477.D  
 Acq: 17 Sep 2020 19:26

Tgt Ion: 114 Resp: 764102  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 42.8  
 88 16.3 0.0 33.6





#35

Dibromofluoromethane

Concen: 49.285 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA\_X

ClientSampleId :

MW-2R

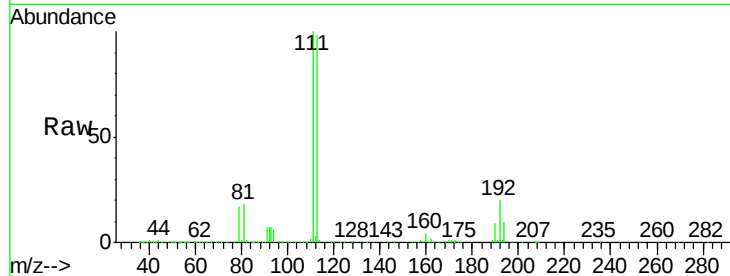
Tot Ion:113 Resp: 260341

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.2

192 20.1 16.6 24.8

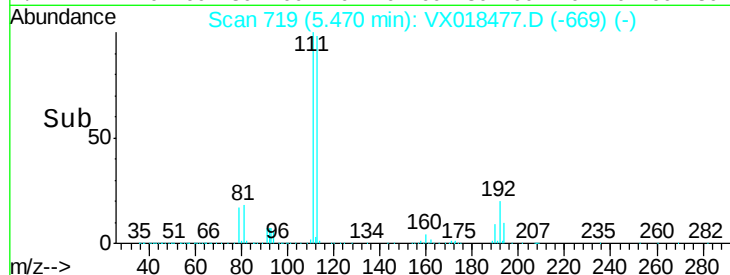


Abundance Ion 112.80 (112.50 to 113.50): V

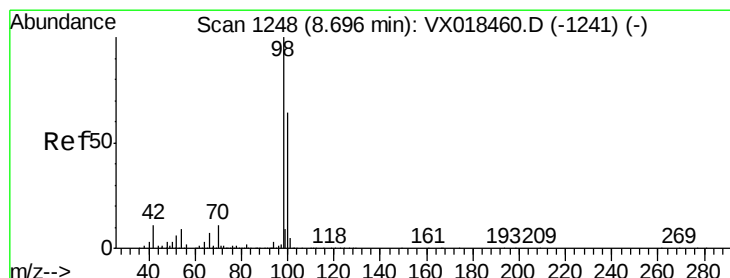
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time--> 5.30 5.40 5.50 5.60



Time--> 5.30 5.40 5.50 5.60



#50

Toluene-d8

Concen: 47.922 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018477.D

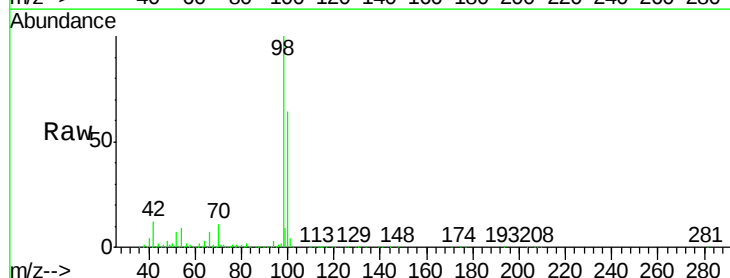
Acq: 17 Sep 2020 19:26

Tgt Ion: 98 Resp: 919740

Ion Ratio Lower Upper

98 100

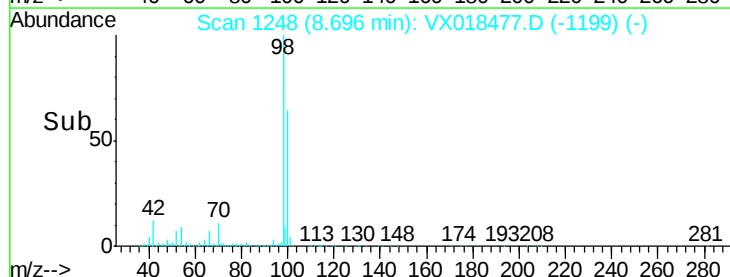
100 64.7 51.7 77.5



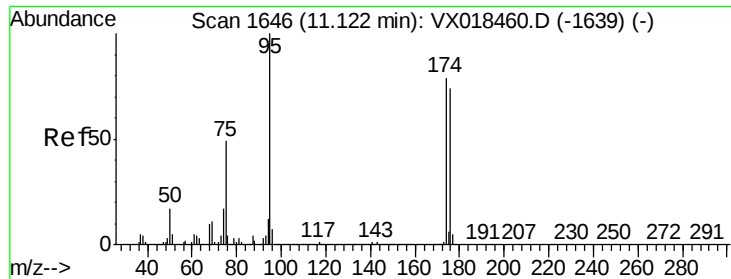
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time--> 8.60 8.70 8.80



Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.192 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA\_X

ClientSampleId :

MW-2R

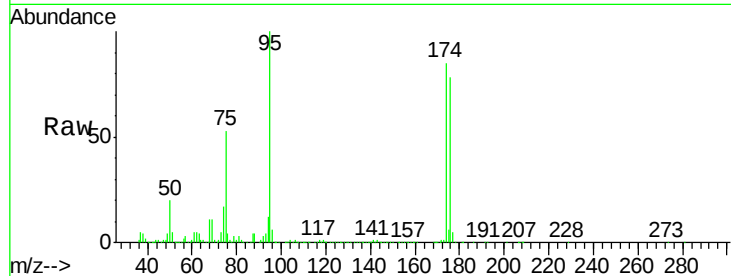
Tot Ion: 95 Resp: 352646

Ion Ratio Lower Upper

95 100

174 83.2 0.0 161.4

176 77.2 0.0 151.4

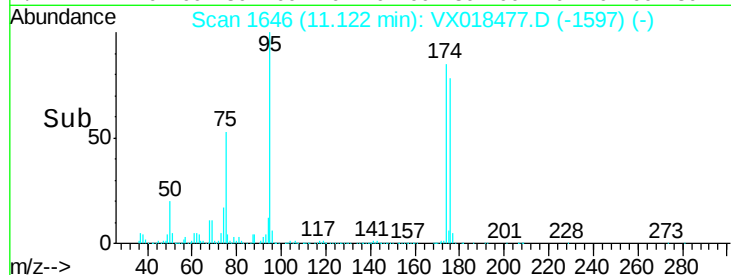


Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)

Time-->

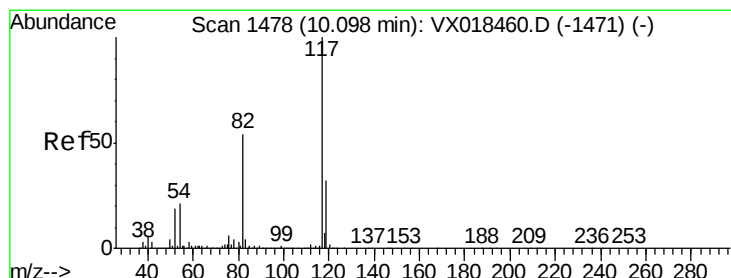


Abundance Ion 94.90 (94.60 to 95.60): VX018477.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018477.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018477.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

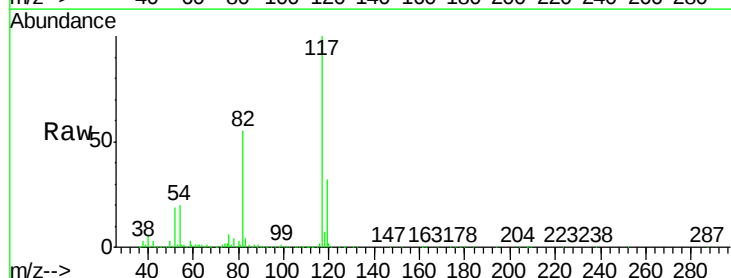
Tgt Ion: 117 Resp: 742093

Ion Ratio Lower Upper

117 100

82 54.5 43.3 64.9

119 31.8 25.9 38.9

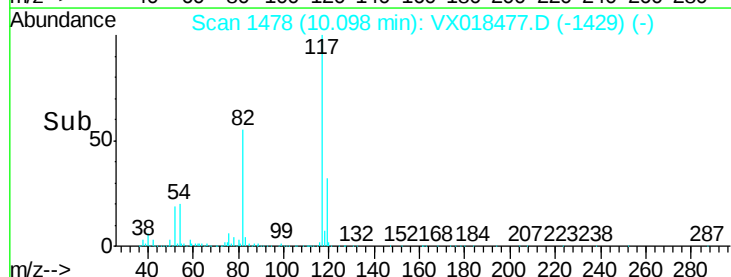


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)

Time-->

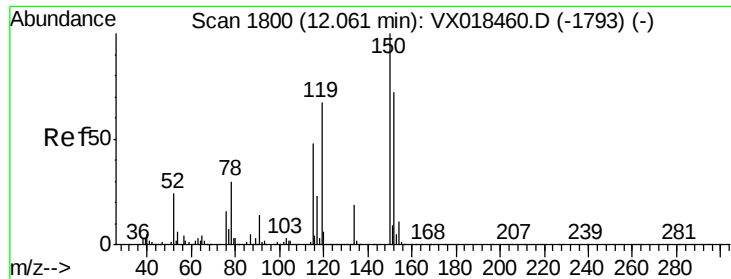


Abundance Ion 116.90 (116.60 to 117.60): VX018477.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018477.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018477.D (-1429) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018477.D

Acq: 17 Sep 2020 19:26

Instrument :

MSVOA\_X

ClientSampleId :

MW-2R

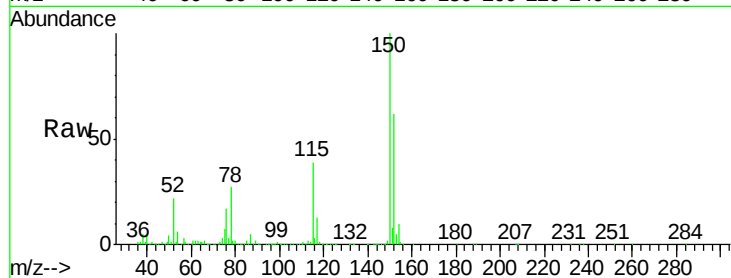
Tot Ion:152 Resp: 371243

Ion Ratio Lower Upper

152 100

115 57.2 41.8 125.4

150 156.9 0.0 342.4



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

