

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\  
 Data File : VX016790.D  
 Acq On : 16 Jun 2020 19:16  
 Operator : JC/SP  
 Sample : L2984-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S49-TB-2020-1

Quant Time: Jun 17 06:29:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061520W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 16 02:02:35 2020  
 Response via : Initial Calibration

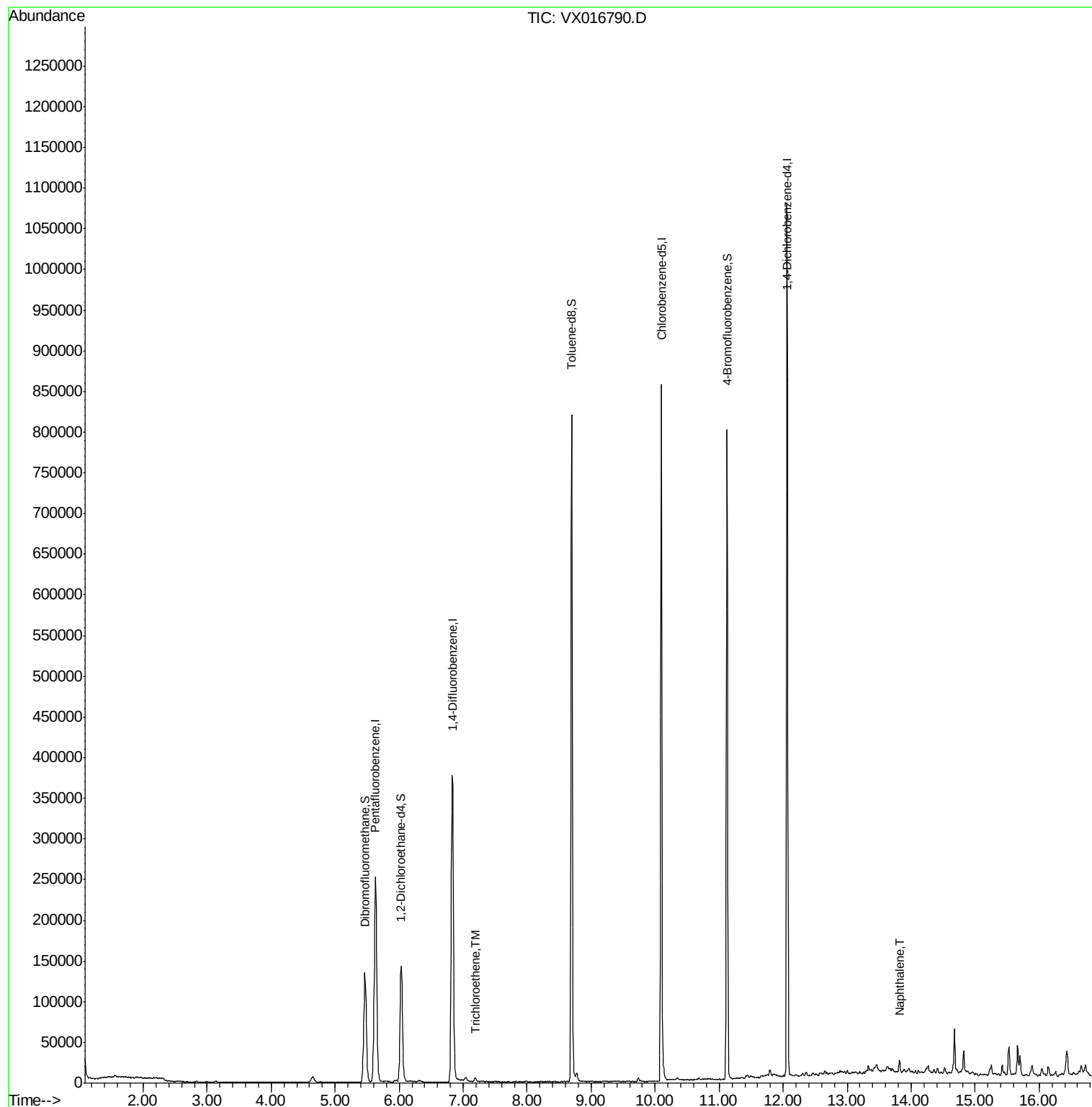
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 254644   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 397889   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 420215   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 223962   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 138955   | 48.52 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.04%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 119650   | 48.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.48%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 497204   | 54.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.86% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 210664   | 60.84 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 121.68% |          |
| Target Compounds            |       |      |          |       |         |          |
| 44) Trichloroethene         | 7.20  | 130  | 1943     | 0.587 | ug/l    | 82       |
| 95) Naphthalene             | 13.82 | 128  | 9089     | 0.591 | ug/l    | 97       |

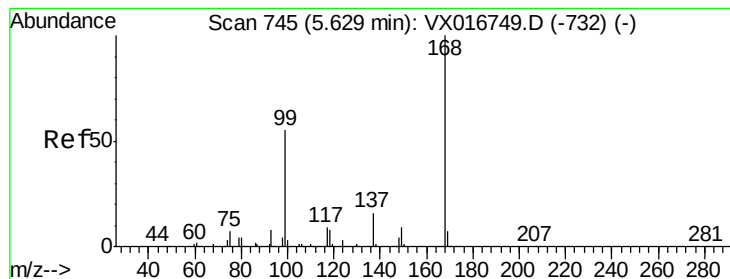
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 16 02:02:35 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: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA\_X

ClientSampled :

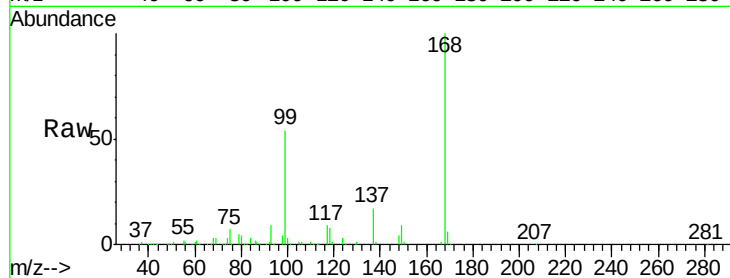
S49-TB-2020-1

Tot Ion:168 Resp: 254644

Ion Ratio Lower Upper

168 100

99 54.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

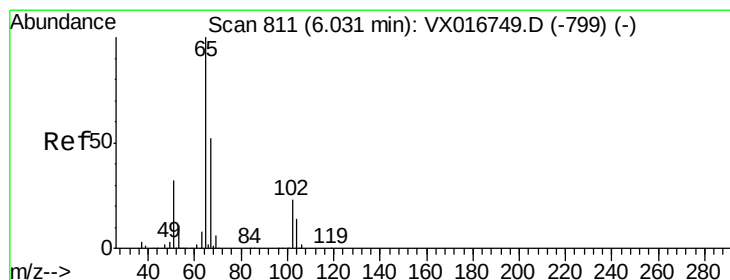
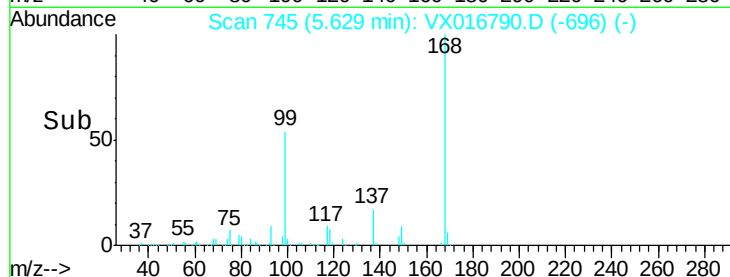
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.517 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016790.D

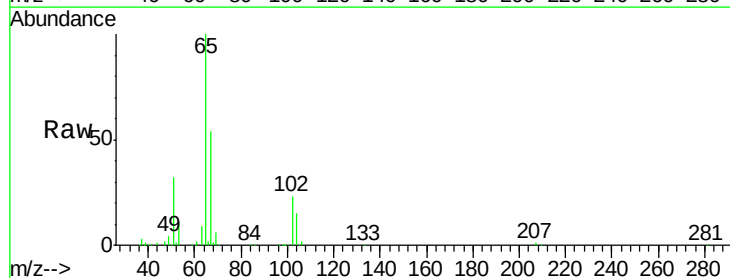
Acq: 16 Jun 2020 19:16

Tgt Ion: 65 Resp: 138955

Ion Ratio Lower Upper

65 100

67 53.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

50000

40000

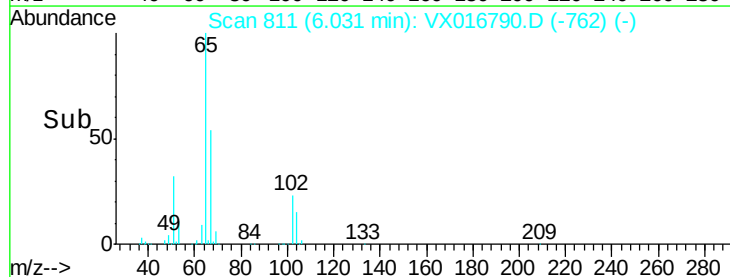
30000

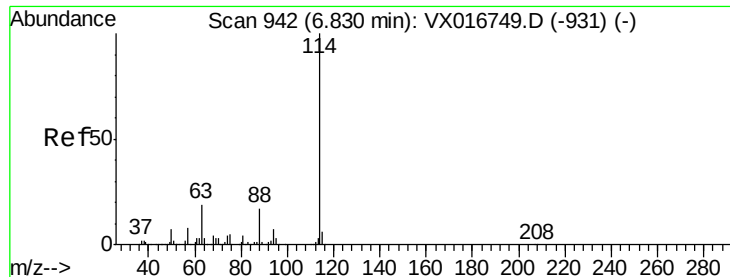
20000

10000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA\_X

ClientSampleId :

S49-TB-2020-1

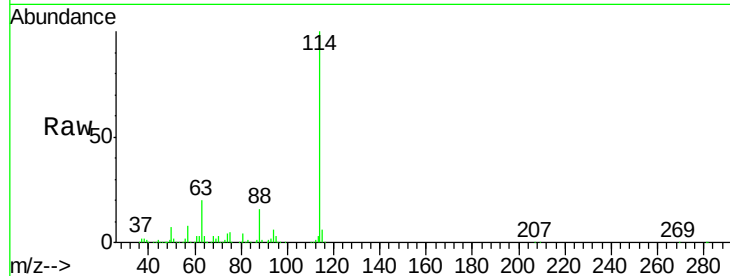
Tot Ion:114 Resp: 397889

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.8

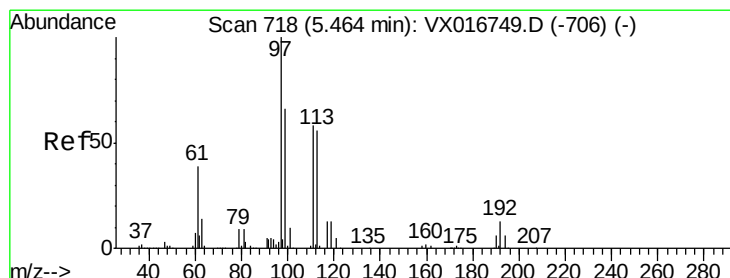
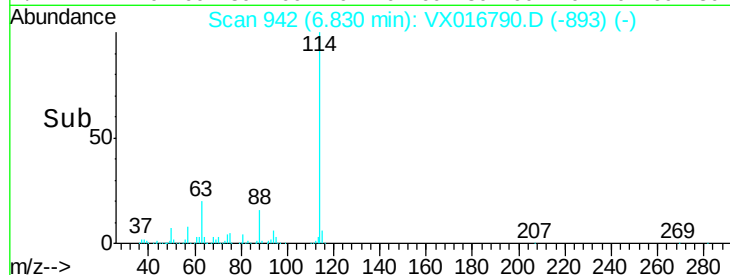
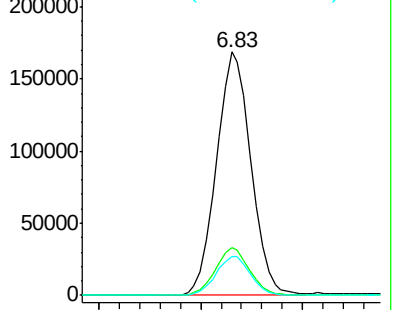
88 16.0 0.0 33.4



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: 48.739 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

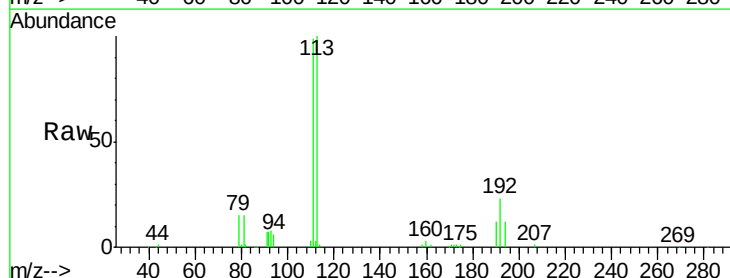
Tgt Ion:113 Resp: 119650

Ion Ratio Lower Upper

113 100

111 100.2 81.8 122.6

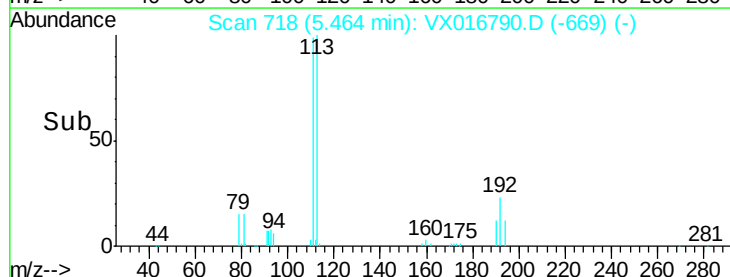
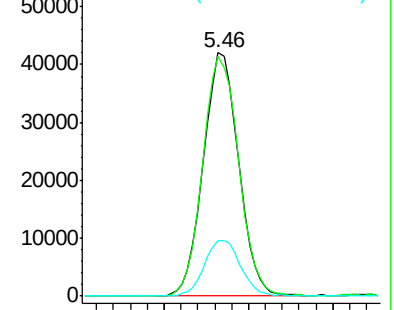
192 23.4 18.2 27.4

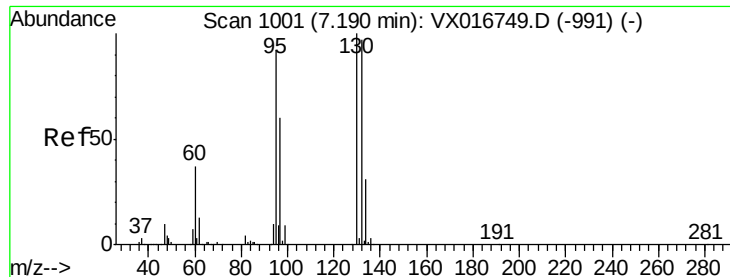


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.587 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA\_X

ClientSampleId :

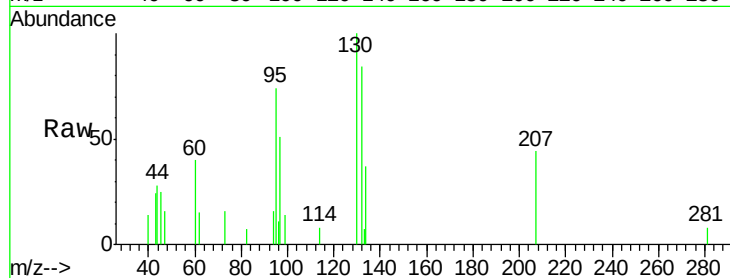
S49-TB-2020-1

Tot Ion:130 Resp: 1943

Ion Ratio Lower Upper

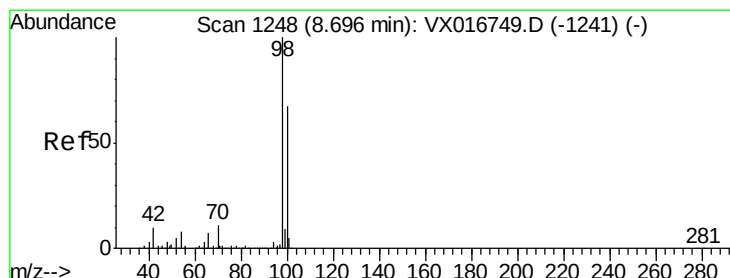
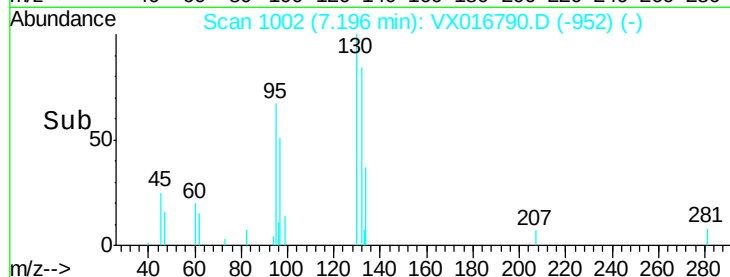
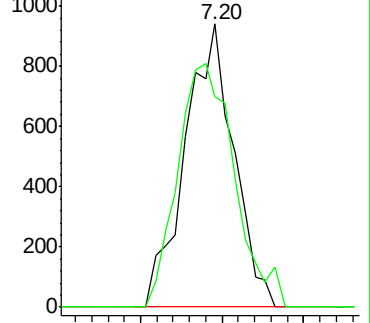
130 100

95 74.3 0.0 183.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 54.928 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016790.D

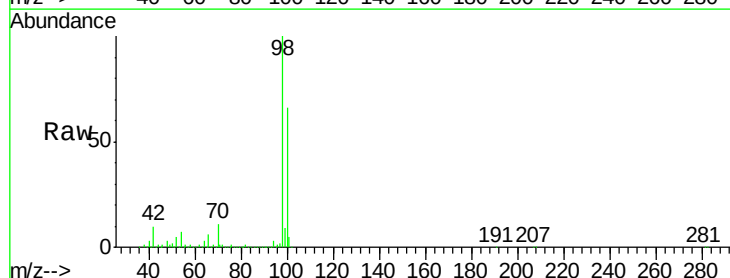
Acq: 16 Jun 2020 19:16

Tgt Ion: 98 Resp: 497204

Ion Ratio Lower Upper

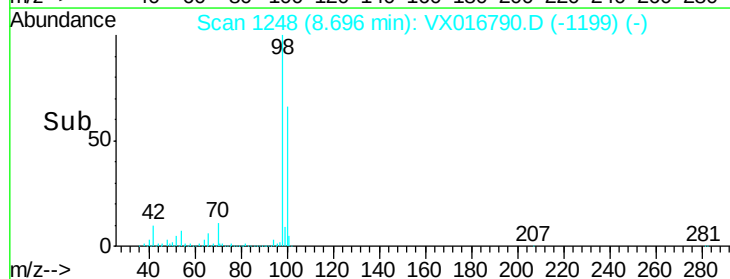
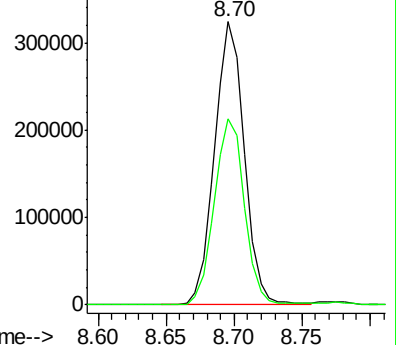
98 100

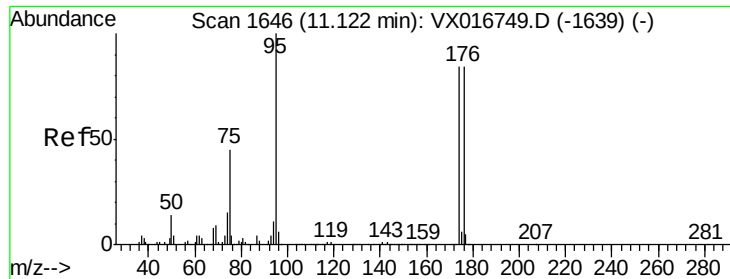
100 66.6 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 60.844 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA\_X

ClientSampleId :

S49-TB-2020-1

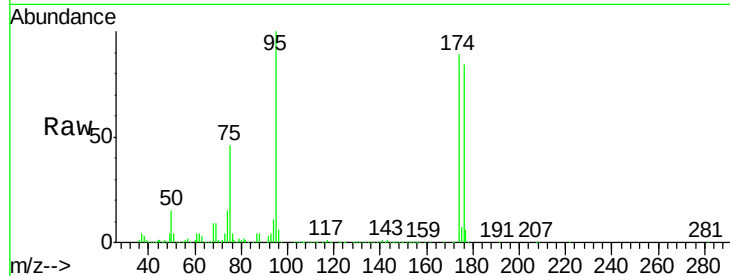
Tot Ion: 95 Resp: 210664

Ion Ratio Lower Upper

95 100

174 88.0 0.0 171.0

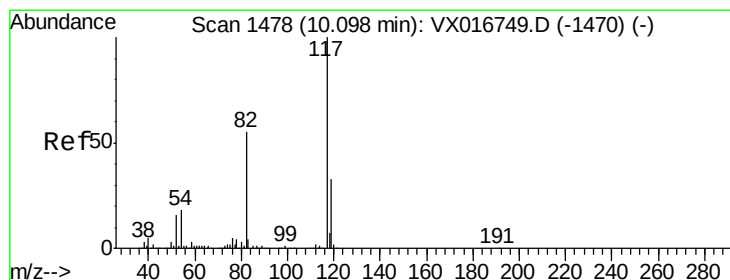
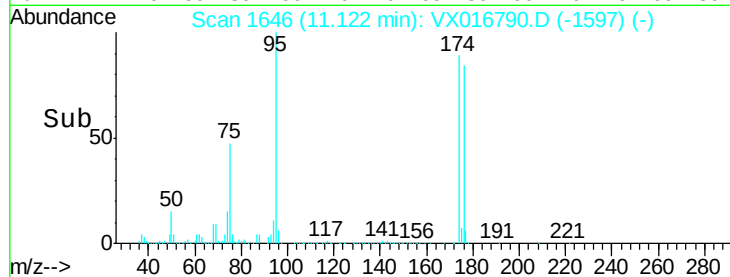
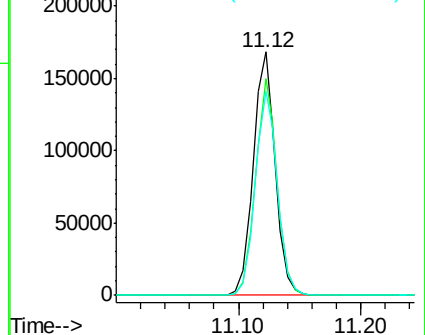
176 84.9 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

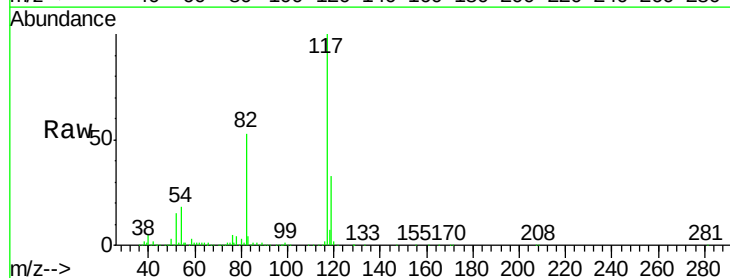
Tgt Ion: 117 Resp: 420215

Ion Ratio Lower Upper

117 100

82 53.4 43.8 65.6

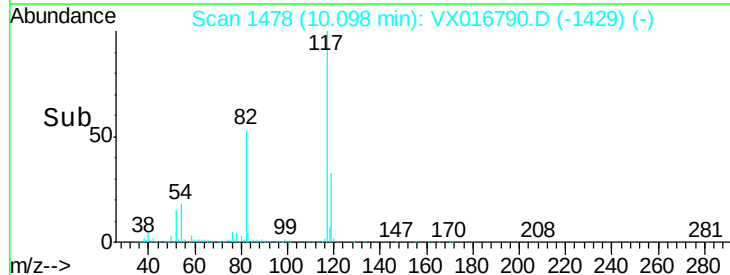
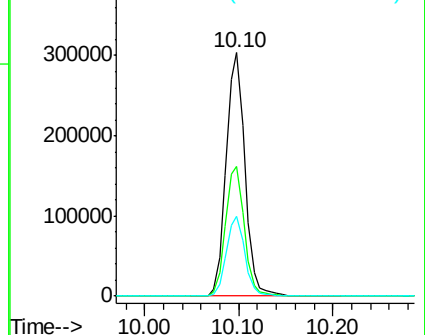
119 32.7 26.2 39.4

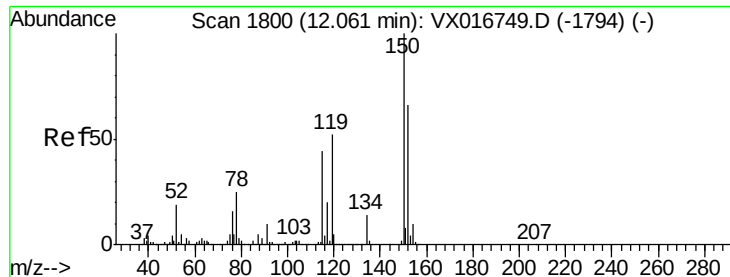


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

Instrument :

MSVOA\_X

ClientSampleId :

S49-TB-2020-1

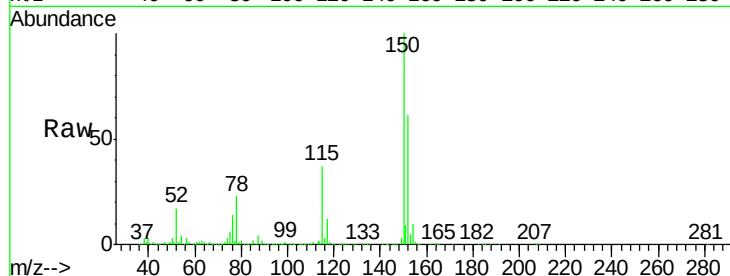
Tot Ion:152 Resp: 223962

Ion Ratio Lower Upper

152 100

115 57.9 40.3 120.8

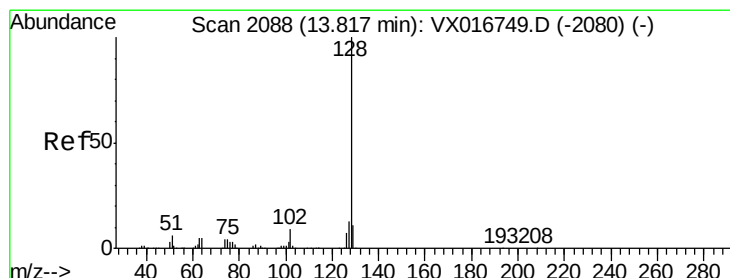
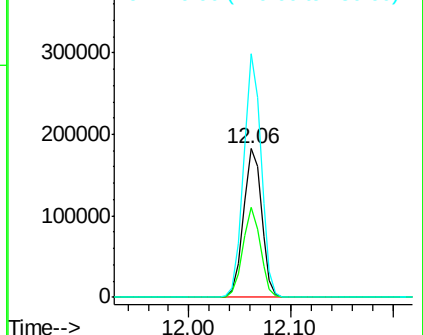
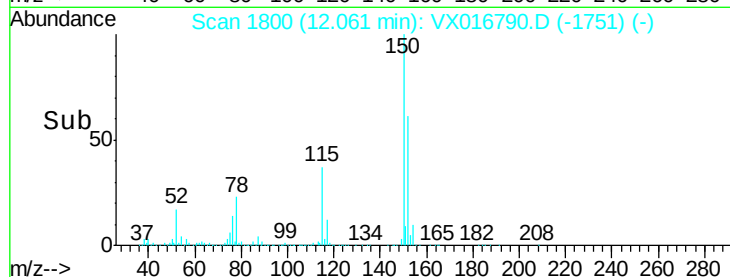
150 157.8 0.0 337.4



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



#95

Naphthalene

Concen: 0.591 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016790.D

Acq: 16 Jun 2020 19:16

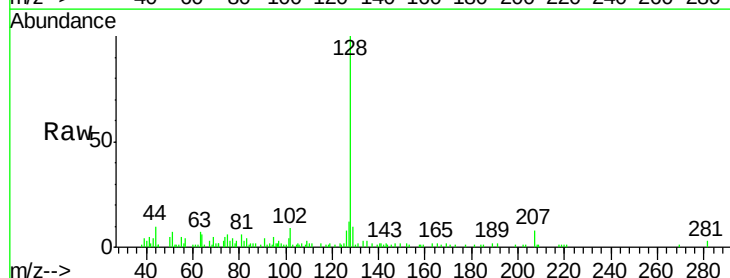
Tgt Ion:128 Resp: 9089

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

