

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061520\  
 Data File : VX016766.D  
 Acq On : 15 Jun 2020 19:51  
 Operator : JC/SP  
 Sample : L2971-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 40755

Quant Time: Jun 16 08:16:53 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

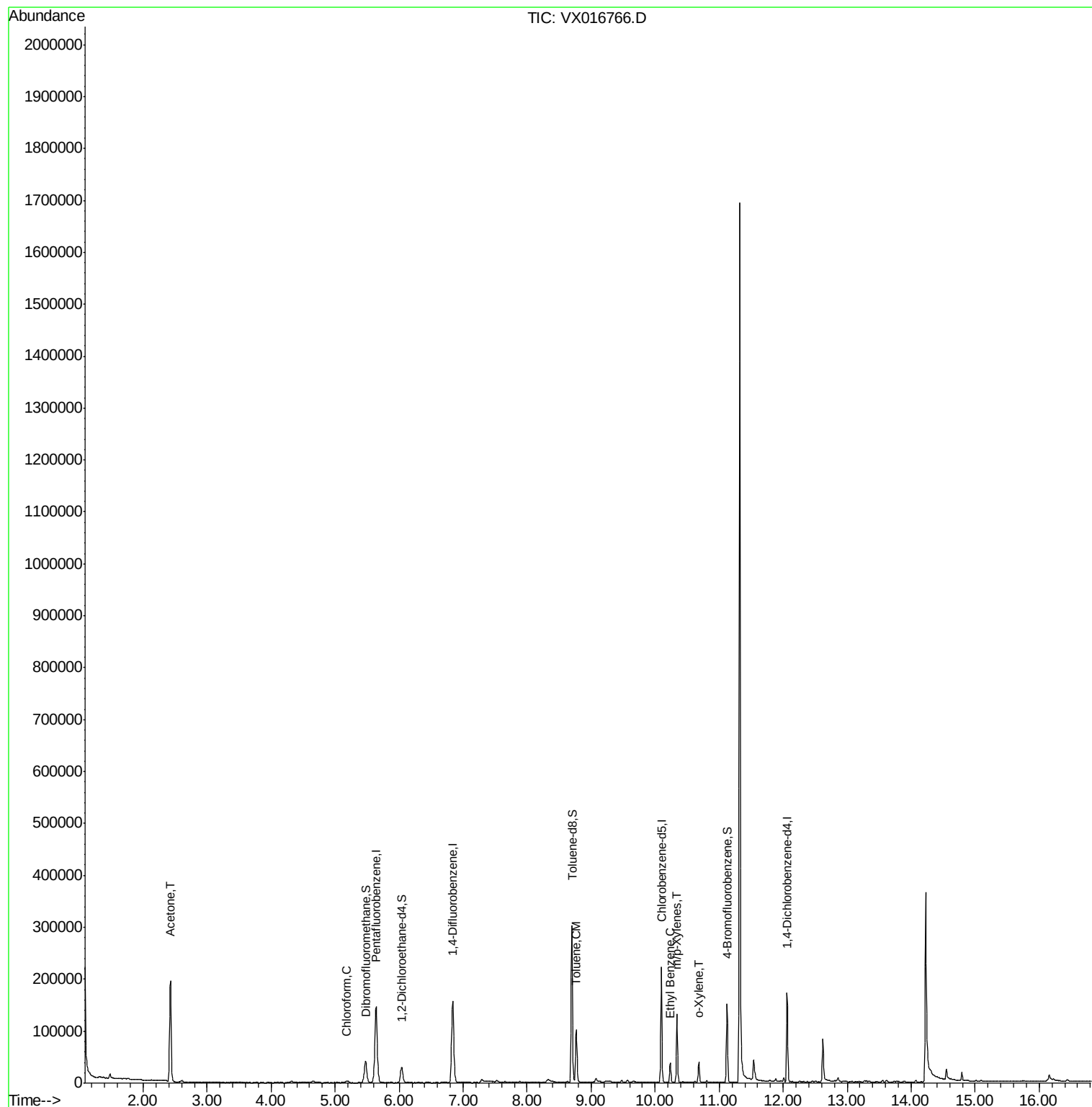
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 5.64   | 168  | 141865   | 50.00   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.84   | 114  | 164225   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.10  | 117  | 101670   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06  | 152  | 35744    | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.04   | 65   | 29243    | 18.36   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 36.72% |          |
| 35) Dibromofluoromethane    | 5.48   | 113  | 35799    | 35.33   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 70.66% |          |
| 50) Toluene-d8              | 8.70   | 98   | 185665   | 49.70   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 99.40% |          |
| 62) 4-Bromofluorobenzene    | 11.12  | 95   | 38594    | 27.01   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 54.02% |          |
| Target Compounds            |        |      |          |         |        |          |
| 16) Acetone                 | 2.43   | 43   | 208099   | 287.500 | ug/l   | 97       |
| 30) Chloroform              | 5.18   | 83   | 4624     | 1.716   | ug/l   | 98       |
| 52) Toluene                 | 8.77   | 92   | 38424    | 13.387  | ug/l   | 97       |
| 67) Ethyl Benzene           | 10.24  | 91   | 21660    | 6.211   | ug/l   | 99       |
| 68) m/p-Xylenes             | 10.34  | 106  | 30620    | 23.156  | ug/l   | 98       |
| 69) o-Xylene                | 10.68  | 106  | 8668     | 6.804   | ug/l   | 99       |

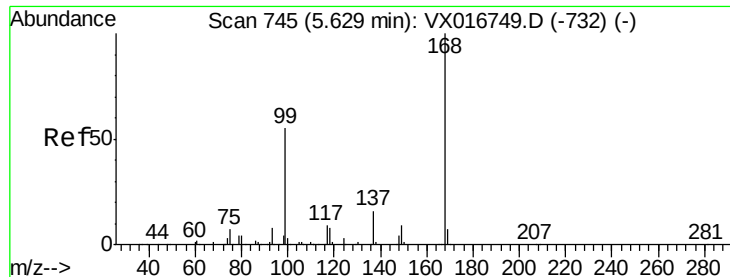
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.64 min Scan# 747

Delta R.T. 0.01 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

Instrument :

MSVOA\_X

ClientSampleId :

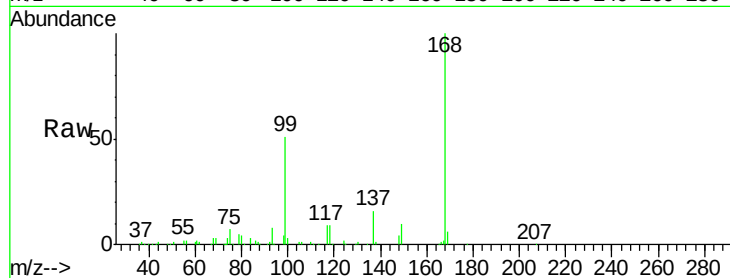
40755

Tot Ion:168 Resp: 141865

Ion Ratio Lower Upper

168 100

99 50.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

60000

50000

40000

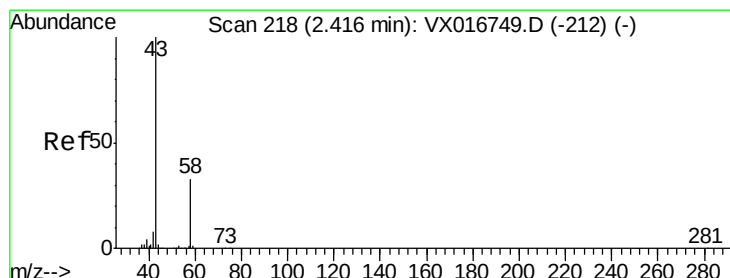
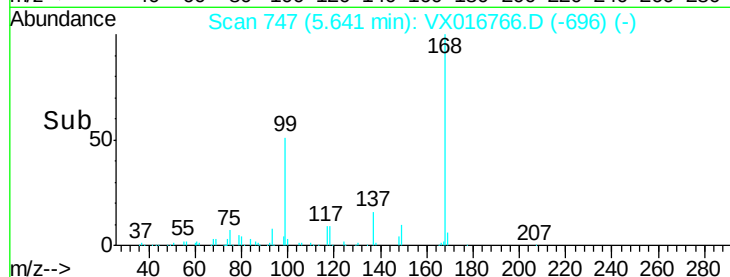
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 287.500 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016766.D

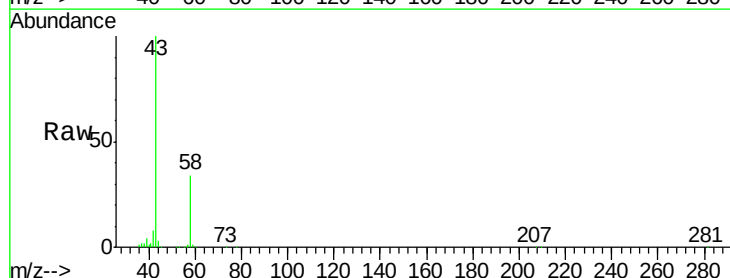
Acq: 15 Jun 2020 19:51

Tgt Ion: 43 Resp: 208099

Ion Ratio Lower Upper

43 100

58 34.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

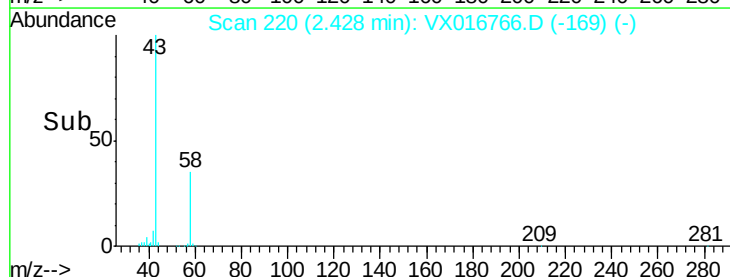
2.43

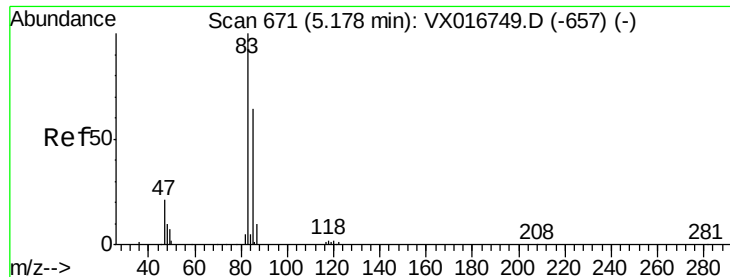
100000

50000

0

Time-->





#30

Chloroform

Concen: 1.716 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

Instrument :

MSVOA\_X

ClientSampleId :

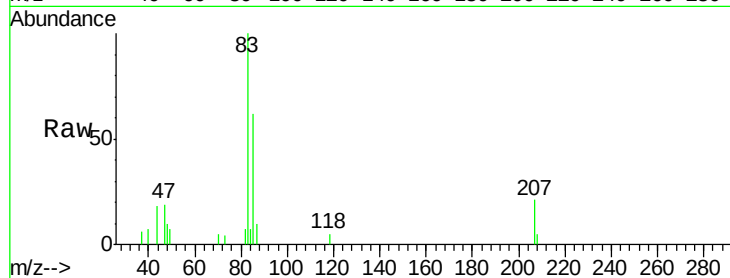
40755

Tot Ion: 83 Resp: 4624

Ion Ratio Lower Upper

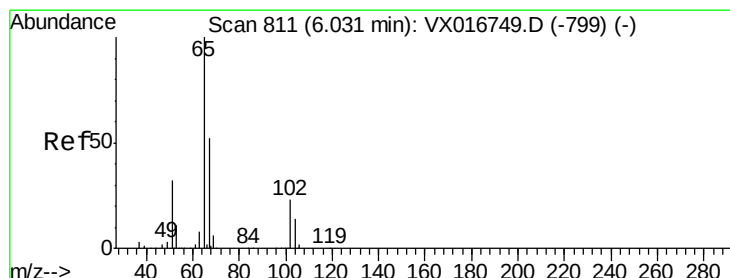
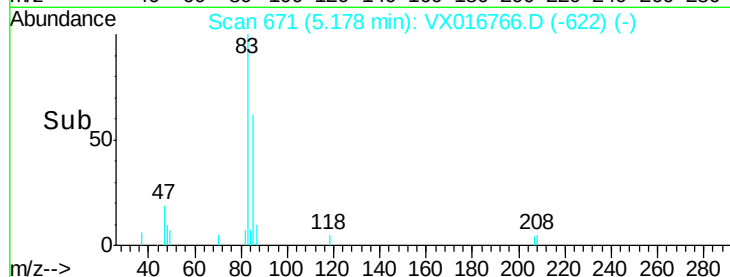
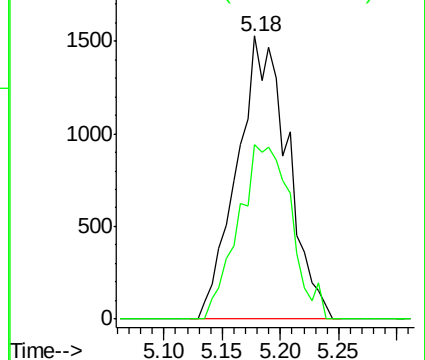
83 100

85 61.7 50.8 76.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 18.361 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016766.D

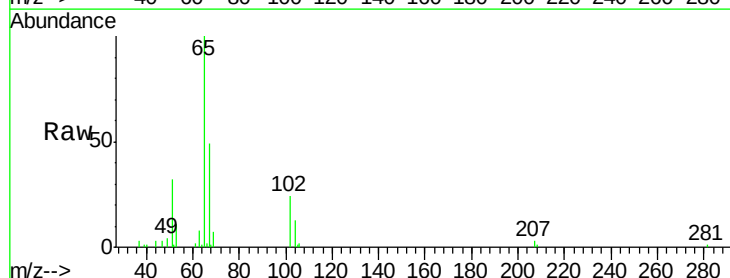
Acq: 15 Jun 2020 19:51

Tgt Ion: 65 Resp: 29243

Ion Ratio Lower Upper

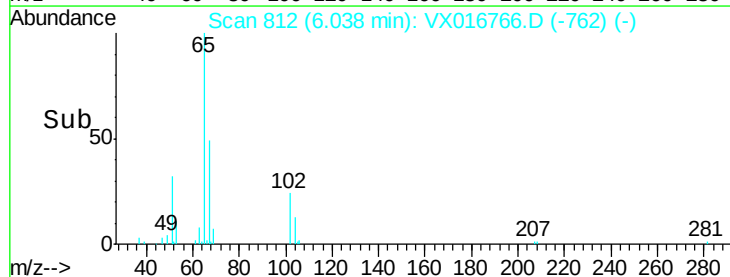
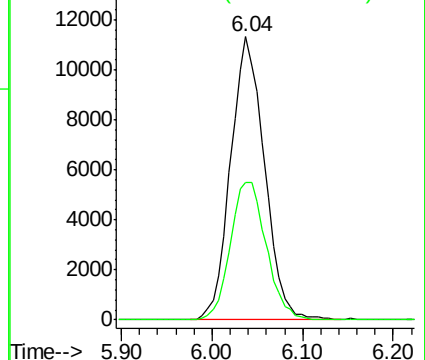
65 100

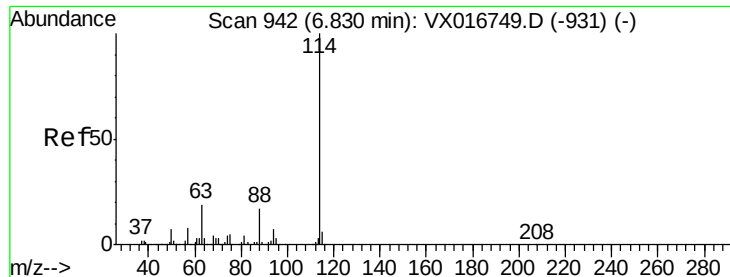
67 51.6 0.0 103.0



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

Instrument :

MSVOA\_X

ClientSampleId :

40755

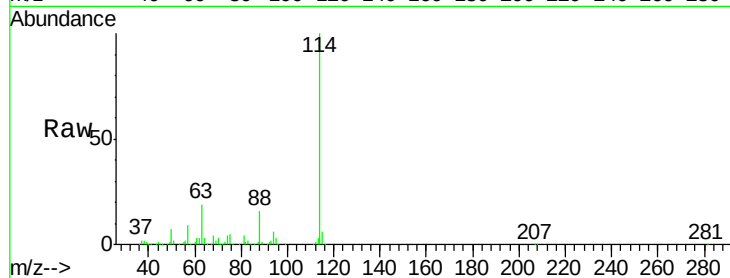
Tot Ion:114 Resp: 164225

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

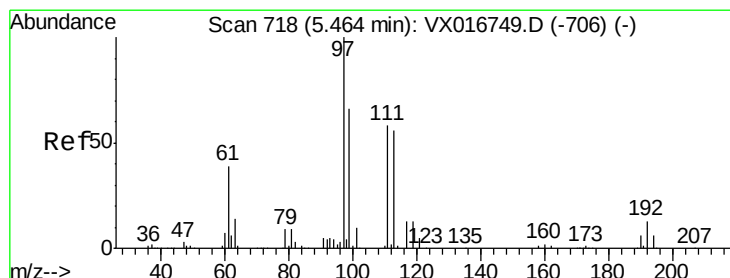
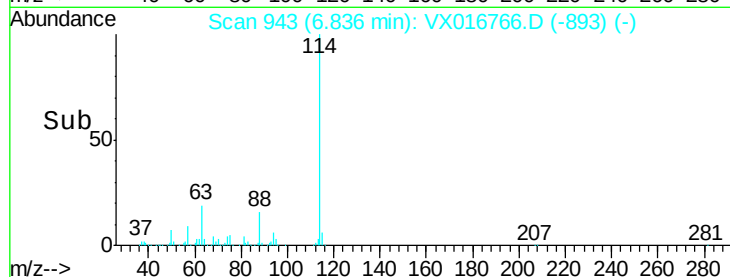
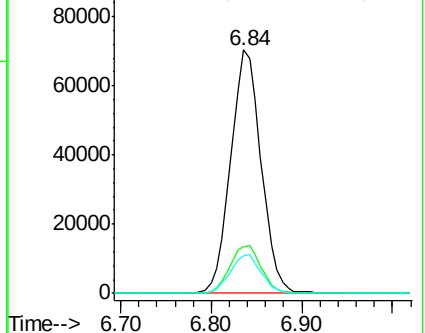
88 15.6 0.0 33.4



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: 35.331 ug/l

RT: 5.48 min Scan# 720

Delta R.T. 0.01 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

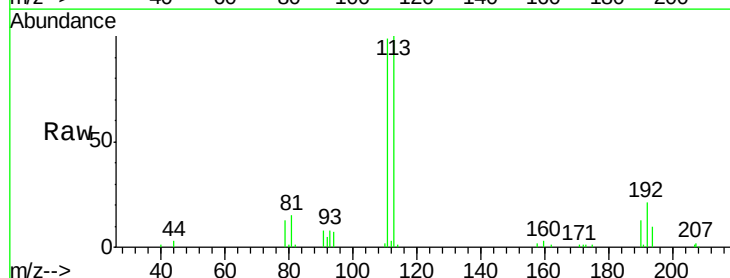
Tgt Ion:113 Resp: 35799

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.6

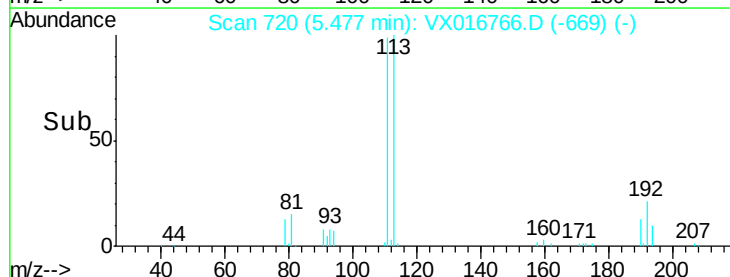
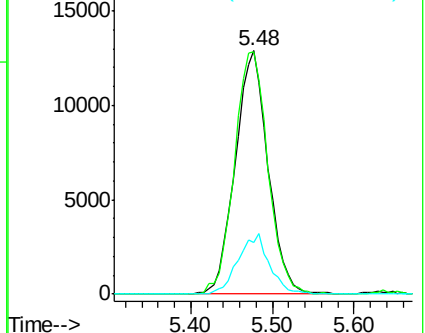
192 23.5 18.2 27.4

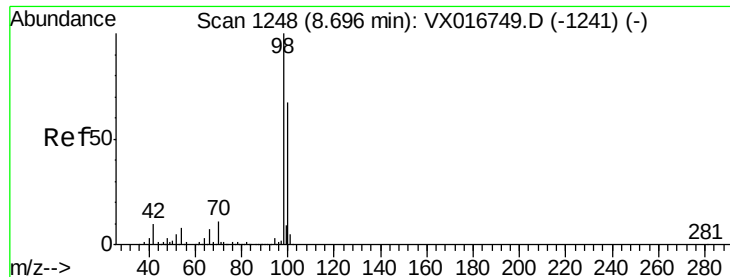


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

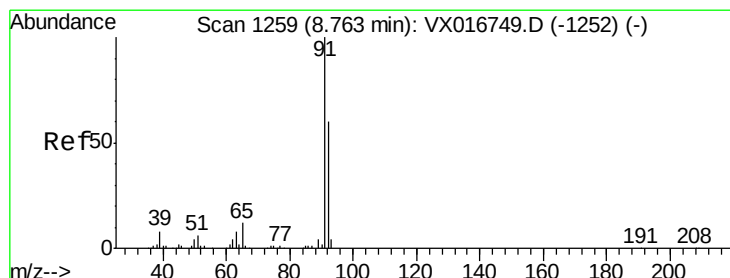
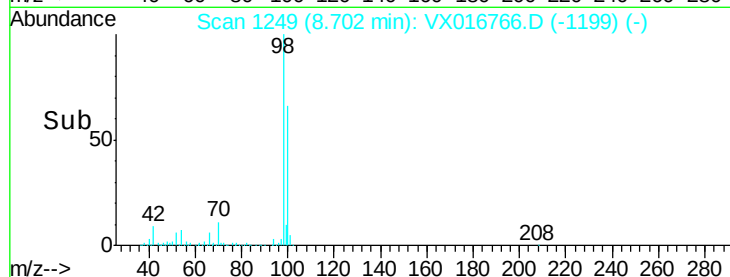
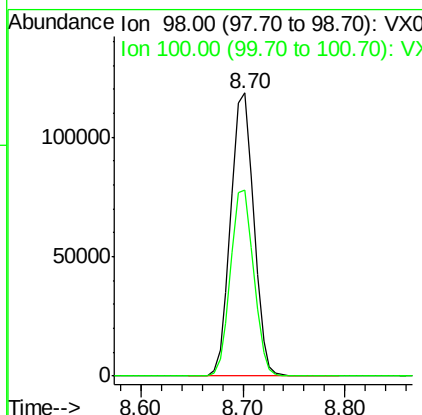
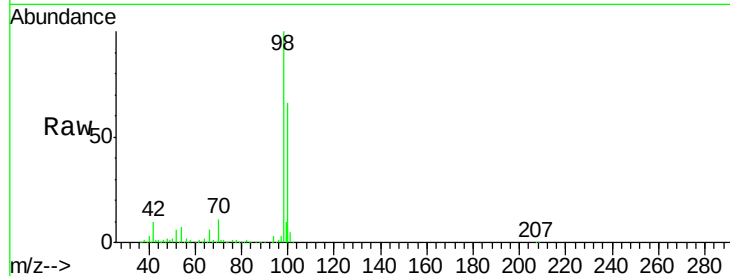




#50  
Toluene-d8  
Concen: 49.695 ug/l  
RT: 8.70 min Scan# 1249  
Delta R.T. 0.01 min  
Lab File: VX016766.D  
Acq: 15 Jun 2020 19:51

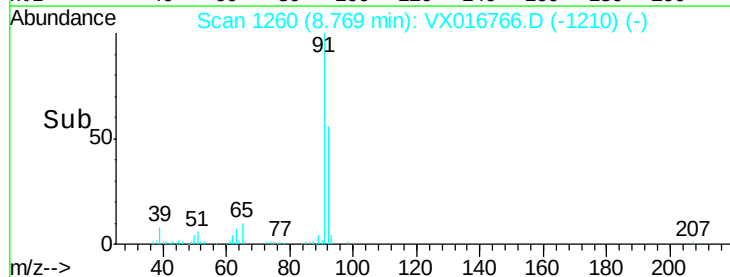
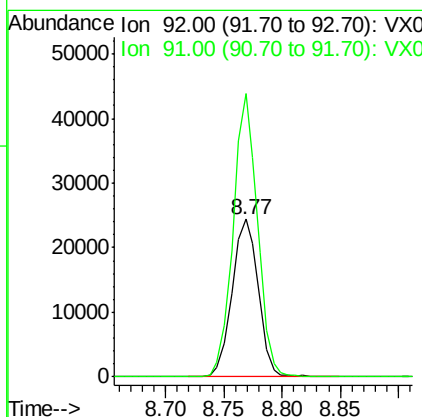
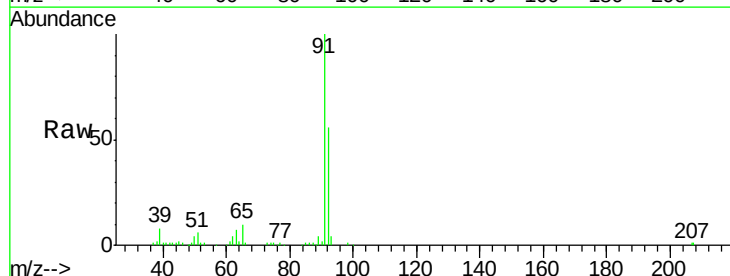
Instrument :  
MSVOA\_X  
ClientSampleId :  
40755

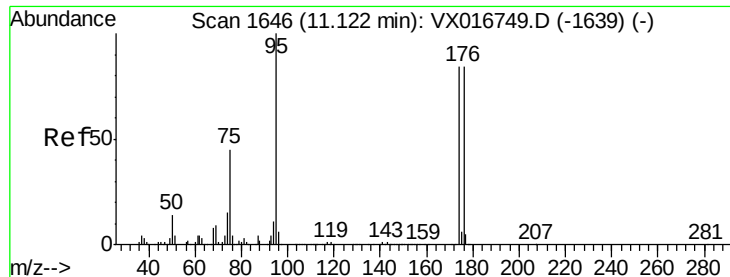
Tot Ion: 98 Resp: 185665  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.9 80.9



#52  
Toluene  
Concen: 13.387 ug/l  
RT: 8.77 min Scan# 1260  
Delta R.T. 0.01 min  
Lab File: VX016766.D  
Acq: 15 Jun 2020 19:51

Tgt Ion: 92 Resp: 38424  
Ion Ratio Lower Upper  
92 100  
91 166.5 136.1 204.1





#62

4-Bromofluorobenzene

Concen: 27.007 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

Instrument :

MSVOA\_X

ClientSampleId :

40755

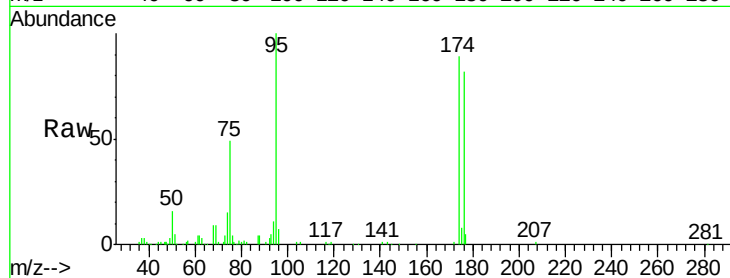
Tot Ion: 95 Resp: 38594

Ion Ratio Lower Upper

95 100

174 88.7 0.0 171.0

176 84.8 0.0 166.2

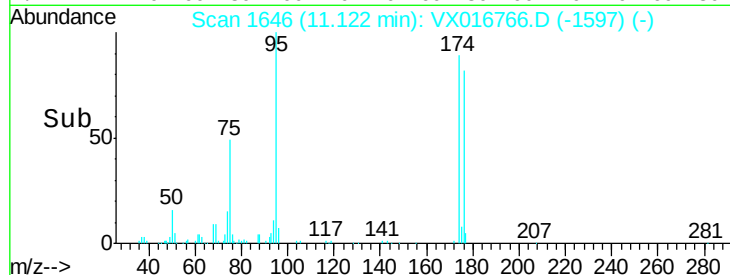


Abundance Ion 94.90 (94.60 to 95.60): VX016749.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016749.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016749.D (-1639) (-)

Time-->

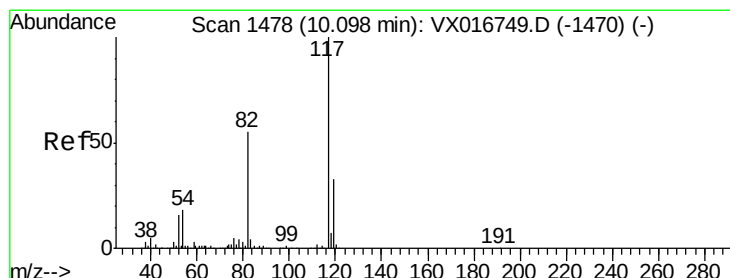


Abundance Ion 94.90 (94.60 to 95.60): VX016766.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016766.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016766.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: VX016766.D

Acq: 15 Jun 2020 19:51

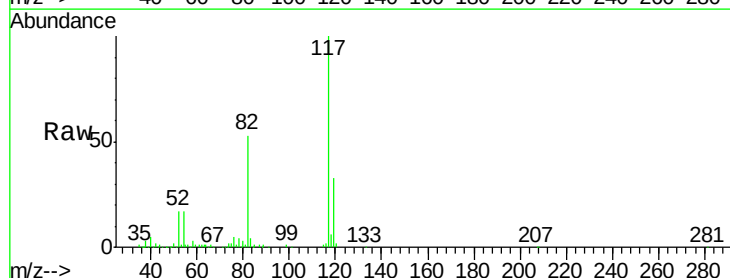
Tgt Ion: 117 Resp: 101670

Ion Ratio Lower Upper

117 100

82 53.0 43.8 65.6

119 32.9 26.2 39.4

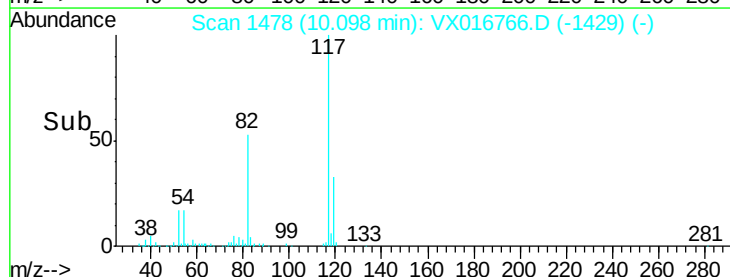


Abundance Ion 116.90 (116.60 to 117.60): VX016749.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016749.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016749.D (-1470) (-)

Time-->

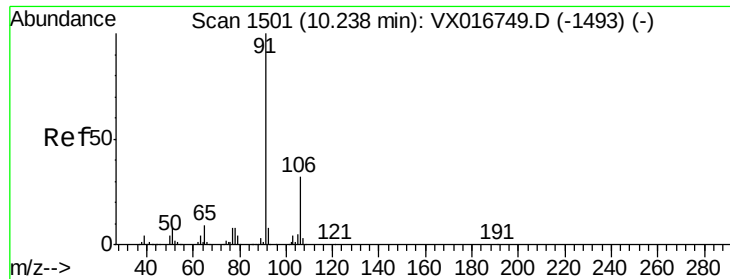


Abundance Ion 116.90 (116.60 to 117.60): VX016766.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016766.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016766.D (-1429) (-)

Time-->



#67

Ethyl Benzene

Concen: 6.211 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016766.D

Acq: 15 Jun 2020 19:51

Instrument :

MSVOA\_X

ClientSampleId :

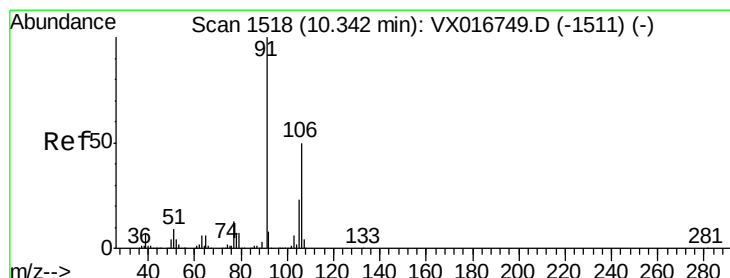
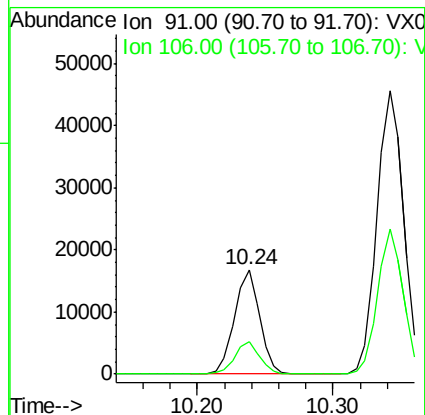
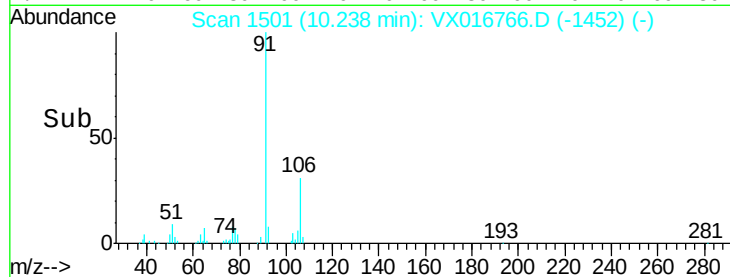
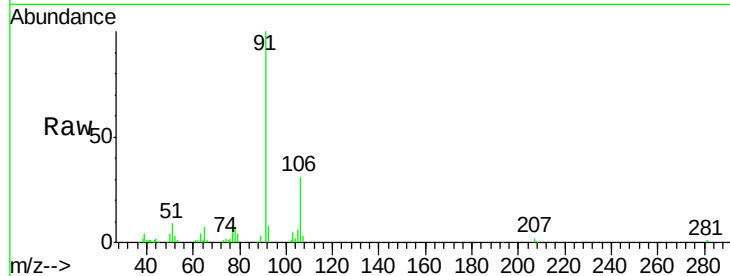
40755

Tot Ion: 91 Resp: 21660

Ion Ratio Lower Upper

91 100

106 31.1 25.3 37.9



#68

m/p-Xylenes

Concen: 23.156 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016766.D

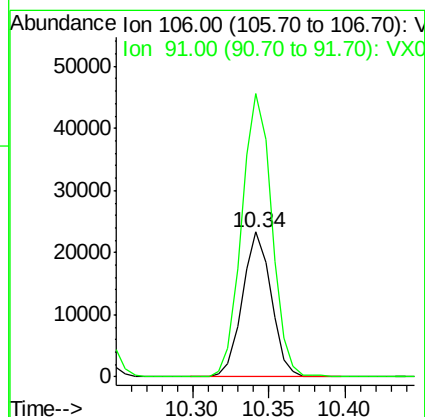
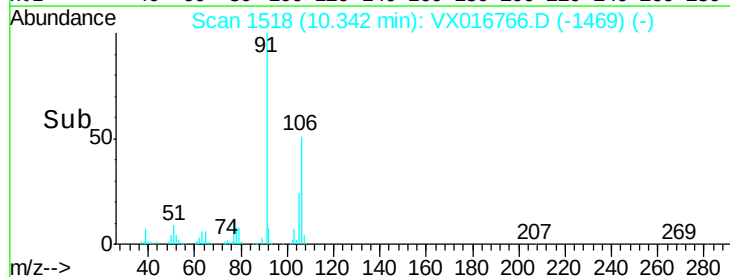
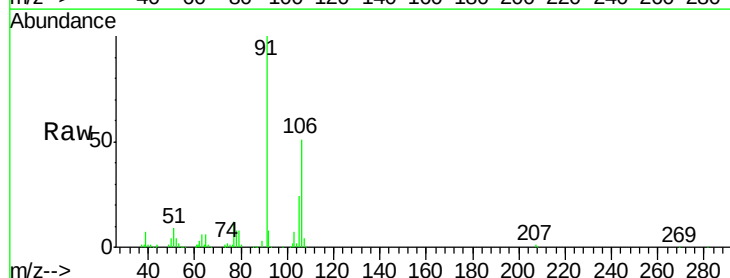
Acq: 15 Jun 2020 19:51

Tgt Ion: 106 Resp: 30620

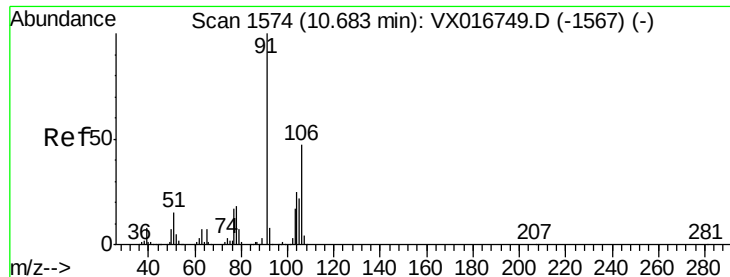
Ion Ratio Lower Upper

106 100

91 203.8 161.2 241.8



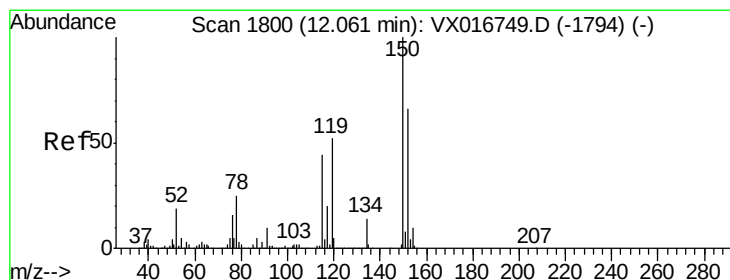
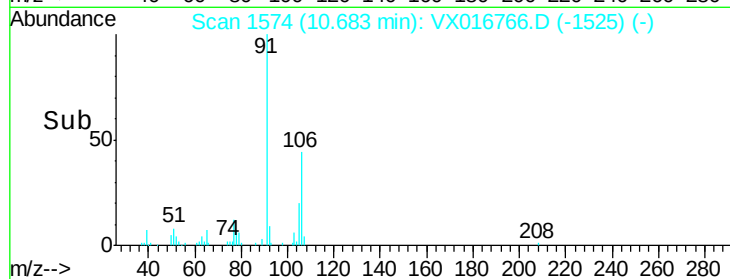
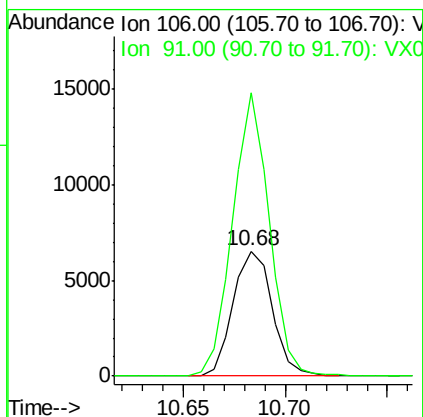
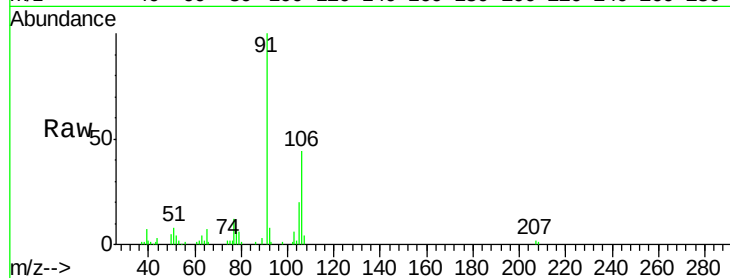




#69  
o-Xylene  
Concen: 6.804 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX016766.D  
Acq: 15 Jun 2020 19:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
40755

Tot Ion:106 Resp: 8668  
Ion Ratio Lower Upper  
106 100  
91 212.4 106.9 320.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016766.D  
Acq: 15 Jun 2020 19:51

Tgt Ion:152 Resp: 35744  
Ion Ratio Lower Upper  
152 100  
115 57.2 40.3 120.8  
150 159.0 0.0 337.4

