

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061120\  
 Data File : VX016713.D  
 Acq On : 11 Jun 2020 18:36  
 Operator : JC/SP  
 Sample : L2977-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 I-OC-2

Quant Time: Jun 12 07:49:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 16:31:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 206728   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 327282   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 331518   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 180133   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 122106   | 47.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.12%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 102188   | 50.71 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.42% |          |
| 50) Toluene-d8              | 8.70  | 98   | 409111   | 52.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.32% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 166624   | 54.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.96% |          |

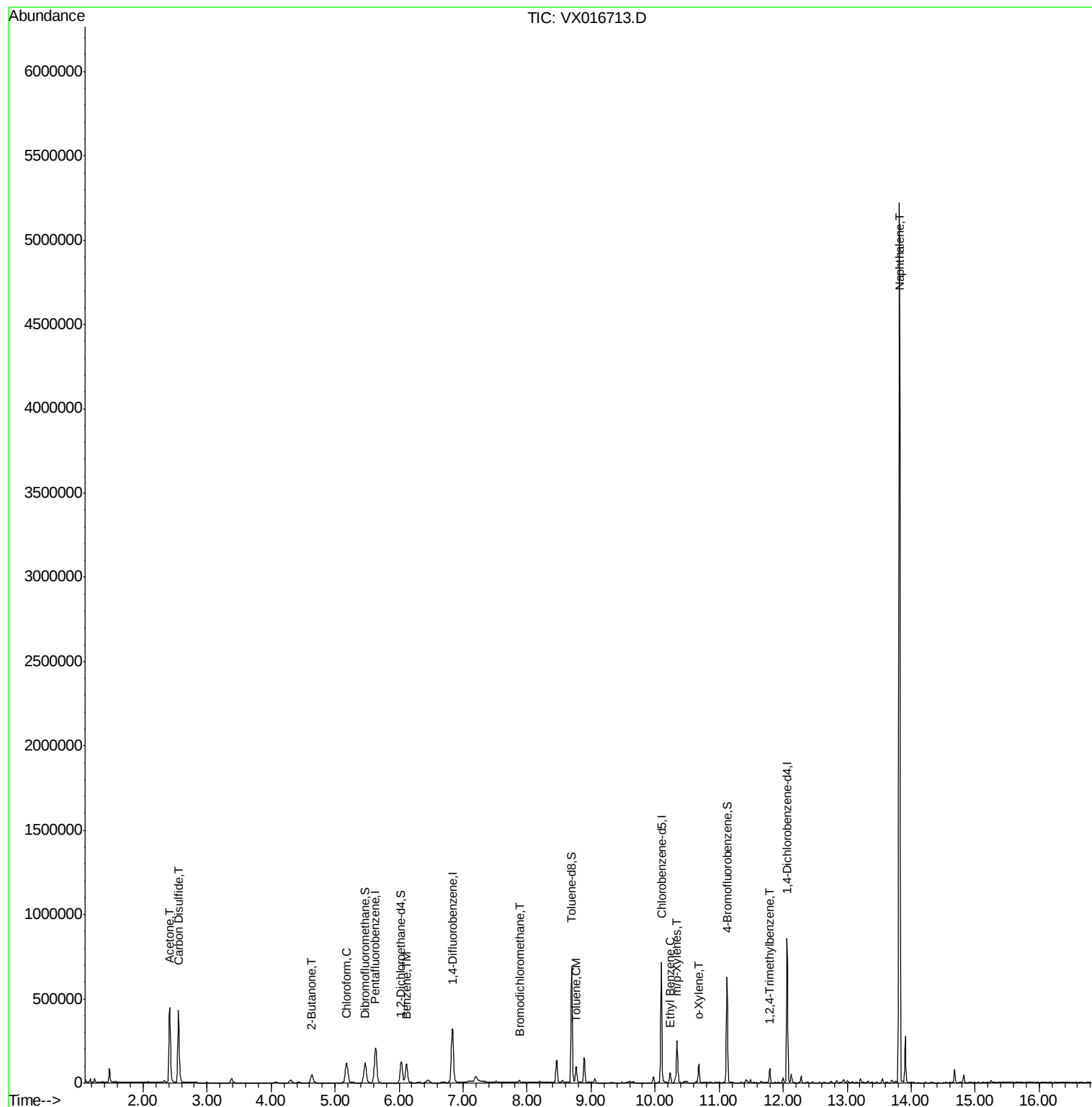
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone                | 2.42  | 43   | 457370   | 406.627 | ug/l   | 99     |
| 17) Carbon Disulfide       | 2.55  | 76   | 540997   | 91.584  | ug/l   | 99     |
| 25) 2-Butanone             | 4.64  | 43   | 83915    | 44.029  | ug/l   | 94     |
| 30) Chloroform             | 5.18  | 83   | 151494   | 37.906  | ug/l   | 100    |
| 40) Benzene                | 6.12  | 78   | 134914   | 14.620  | ug/l   | 98     |
| 47) Bromodichloromethane   | 7.88  | 83   | 9619     | 2.944   | ug/l # | 97     |
| 52) Toluene                | 8.77  | 92   | 36929    | 6.346   | ug/l   | 96     |
| 67) Ethyl Benzene          | 10.23 | 91   | 36586    | 3.040   | ug/l   | 100    |
| 68) m/p-Xylenes            | 10.34 | 106  | 52635    | 11.797  | ug/l   | 100    |
| 69) o-Xylene               | 10.68 | 106  | 24213    | 5.604   | ug/l   | 98     |
| 84) 1,2,4-Trimethylbenzene | 11.79 | 105  | 34251    | 3.250   | ug/l   | 93     |
| 95) Naphthalene            | 13.82 | 128  | 3134129  | 250.531 | ug/l   | 99     |

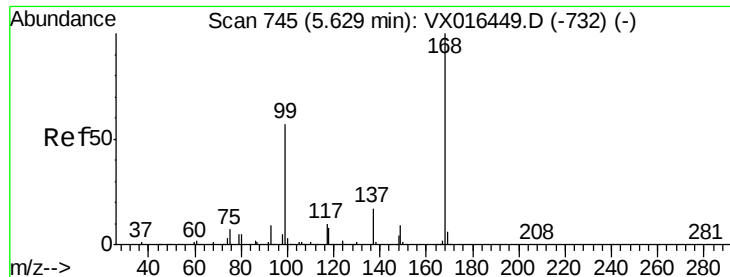
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061120\  
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I-OC-2

Quant Time: Jun 12 07:49:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X052720W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 27 16:31:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampled :

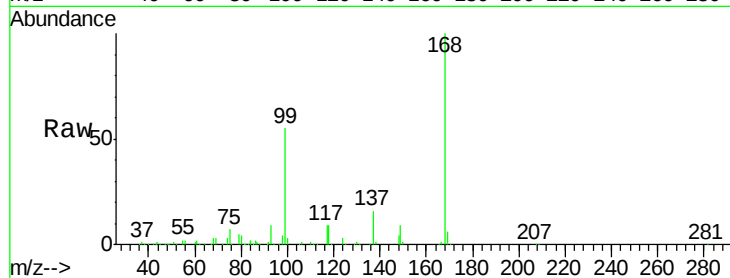
I-OC-2

Tot Ion:168 Resp: 206728

Ion Ratio Lower Upper

168 100

99 54.8 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

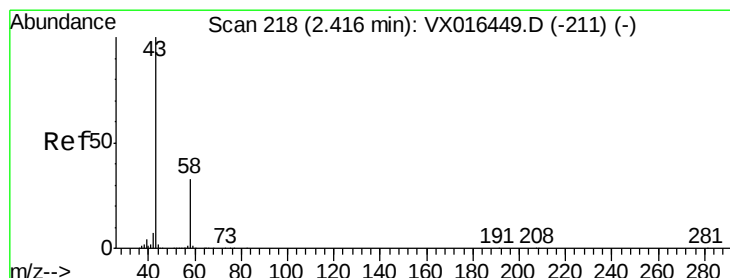
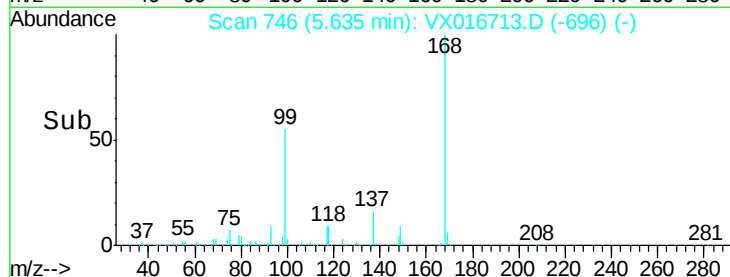
40000

20000

0

5.50 5.60 5.70

Time-->



#16

Acetone

Concen: 406.627 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016713.D

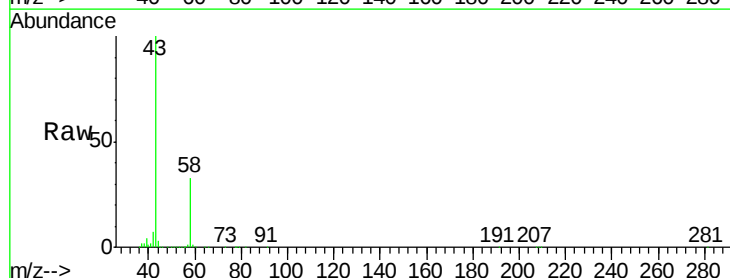
Acq: 11 Jun 2020 18:36

Tgt Ion: 43 Resp: 457370

Ion Ratio Lower Upper

43 100

58 32.9 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

300000

250000

200000

150000

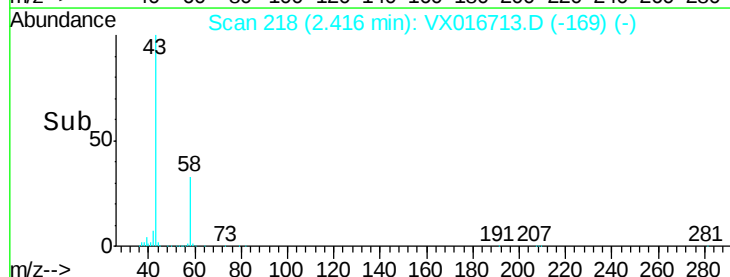
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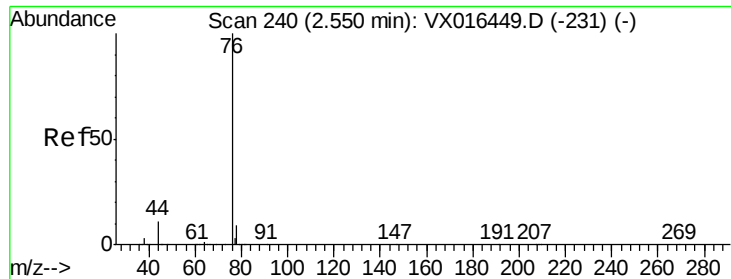
50000

0

2.30 2.40 2.50 2.60

Time-->

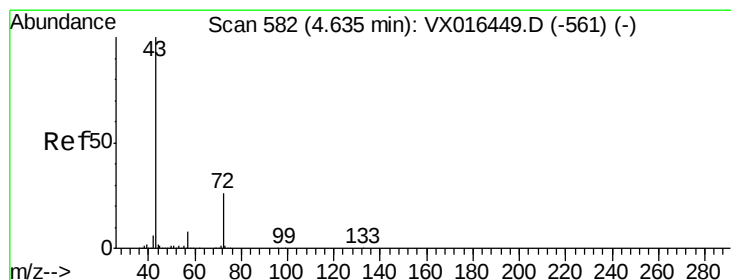
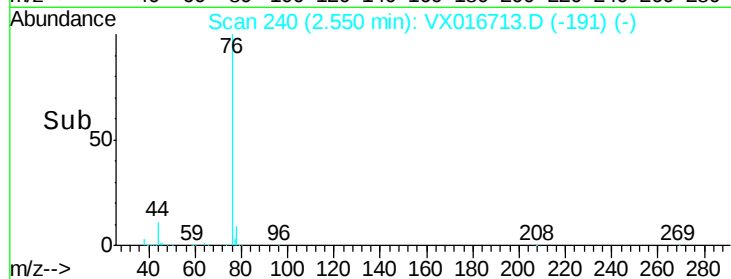
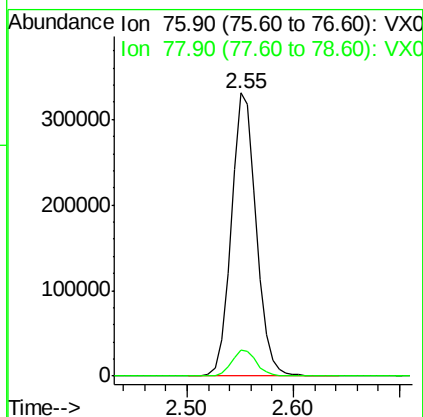
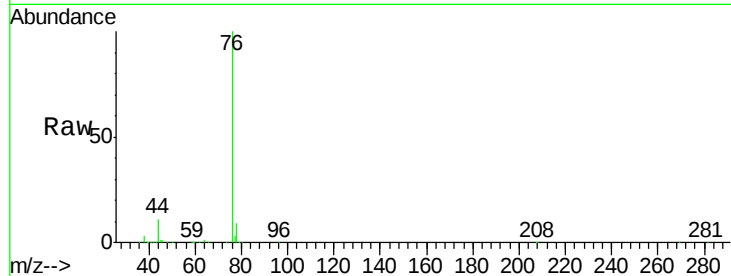




#17  
Carbon Disulfide  
Concen: 91.584 ug/l  
RT: 2.55 min Scan# 240  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

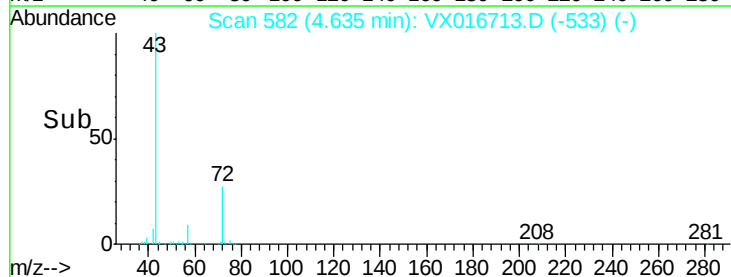
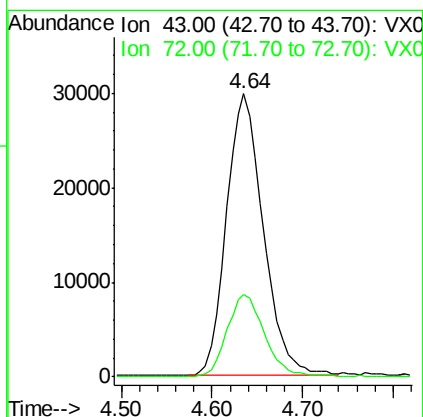
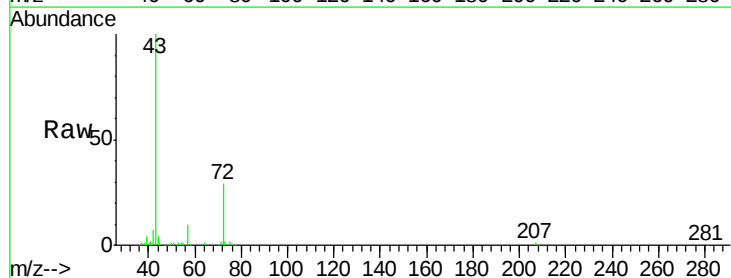
Instrument :  
MSVOA\_X  
ClientSampled :  
I-OC-2

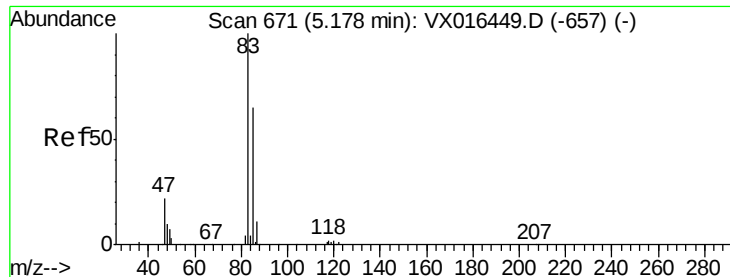
Tot Ion: 76 Resp: 540997  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#25  
2-Butanone  
Concen: 44.029 ug/l  
RT: 4.64 min Scan# 582  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

Tgt Ion: 43 Resp: 83915  
Ion Ratio Lower Upper  
43 100  
72 29.2 21.0 31.6





#30

Chloroform

Concen: 37.906 ug/l

RT: 5.18 min Scan# 671

Delta R.T. 0.00 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampled :

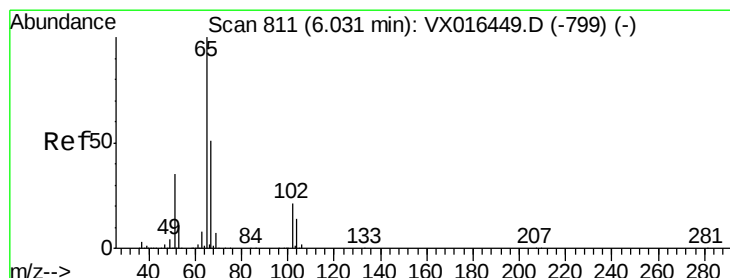
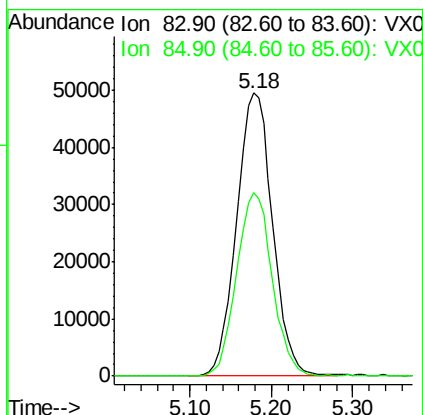
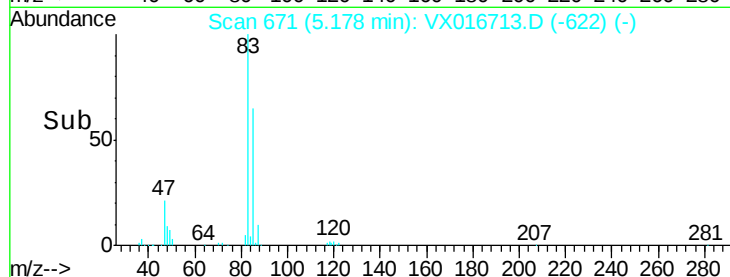
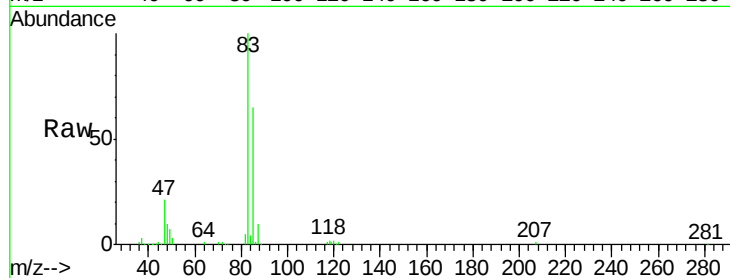
I-OC-2

Tot Ion: 83 Resp: 151494

Ion Ratio Lower Upper

83 100

85 64.6 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 47.562 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016713.D

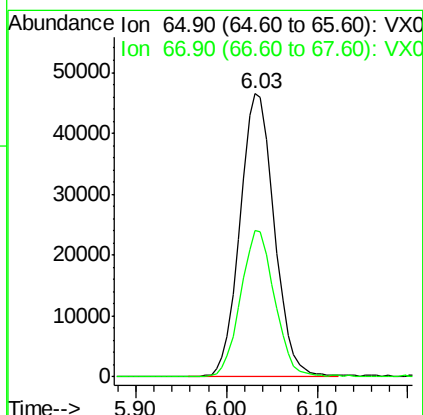
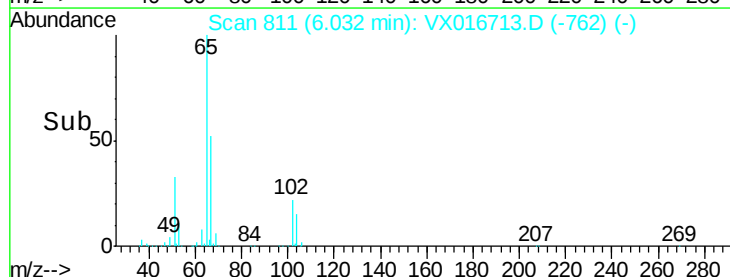
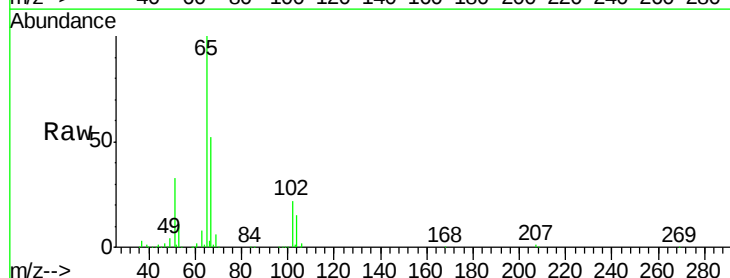
Acq: 11 Jun 2020 18:36

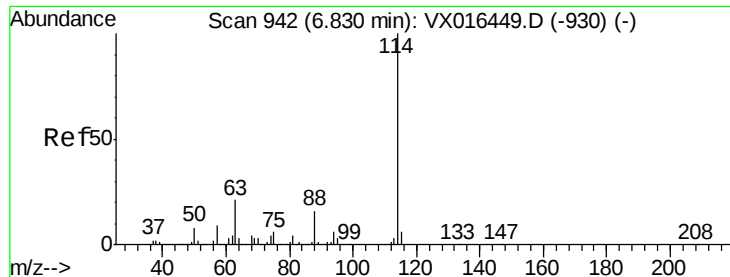
Tgt Ion: 65 Resp: 122106

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampleId :

I-OC-2

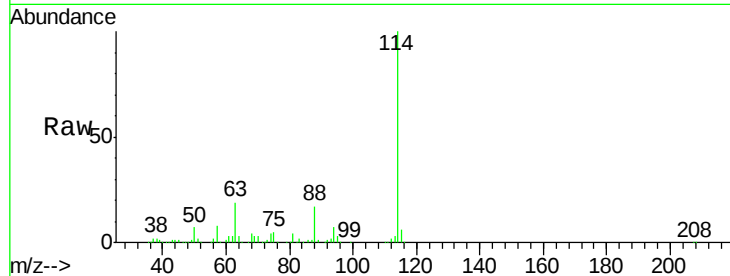
Tot Ion:114 Resp: 327282

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.6

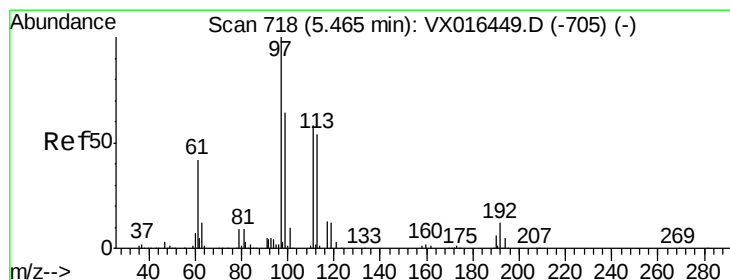
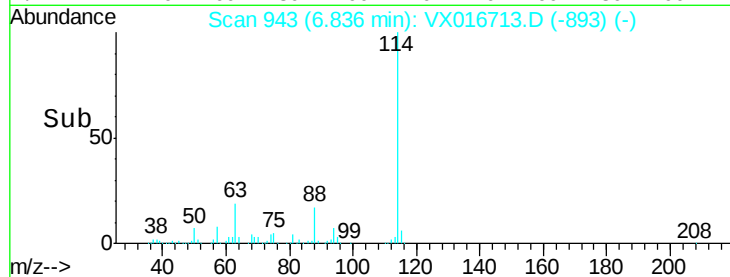
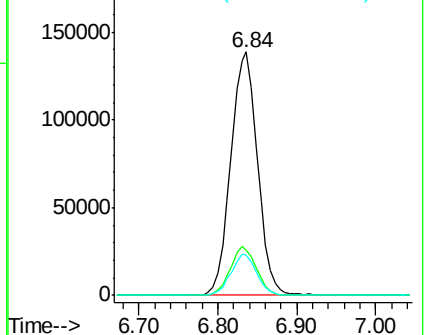
88 16.6 0.0 32.8



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: 50.708 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

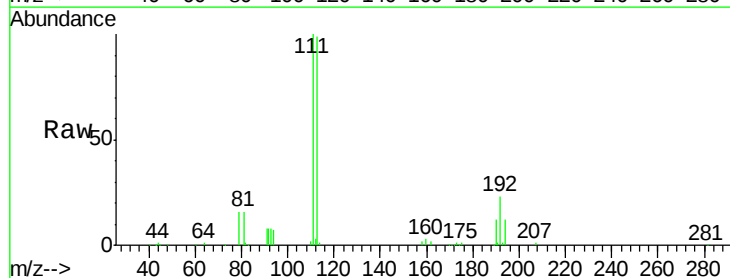
Tgt Ion:113 Resp: 102188

Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

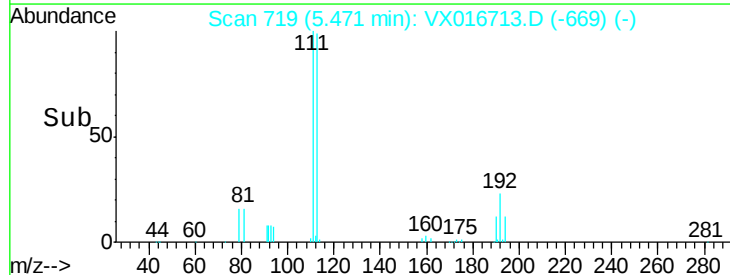
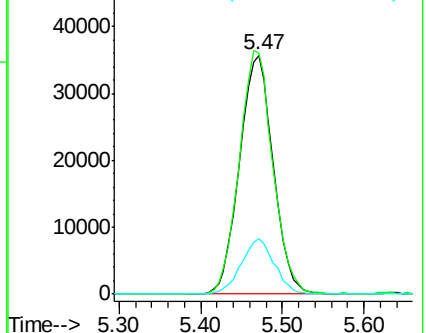
192 22.8 17.7 26.5

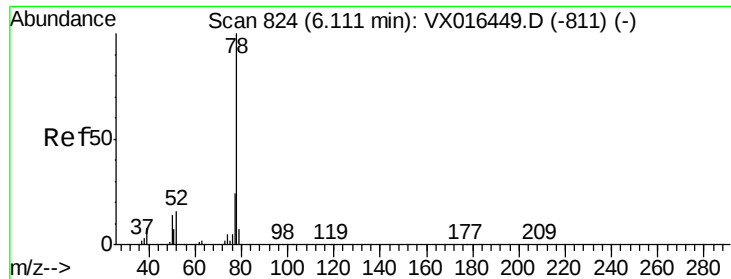


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 14.620 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampleId :

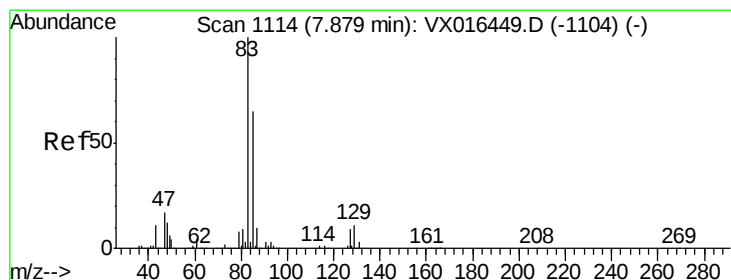
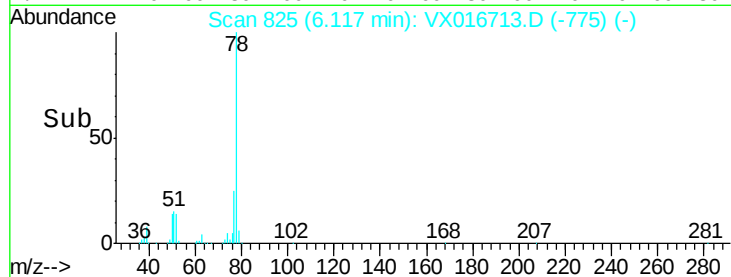
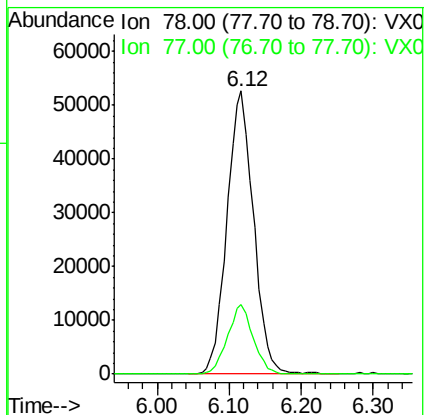
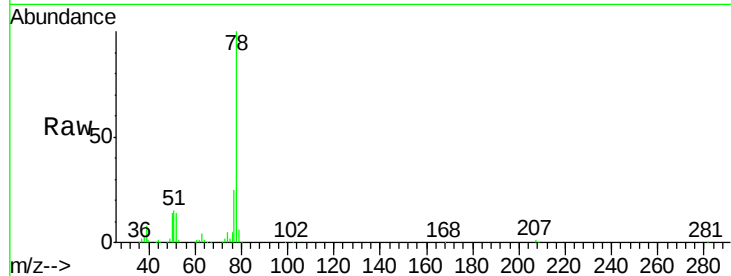
I-OC-2

Tot Ion: 78 Resp: 134914

Ion Ratio Lower Upper

78 100

77 24.8 18.9 28.3



#47

Bromodichloromethane

Concen: 2.944 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

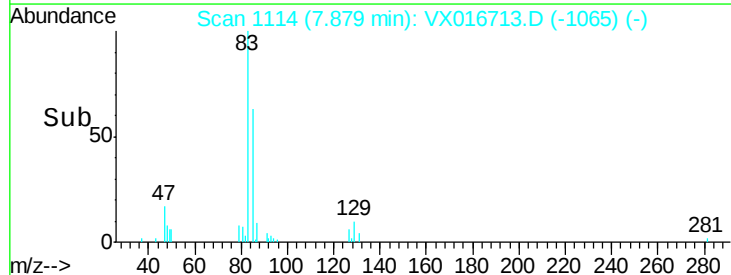
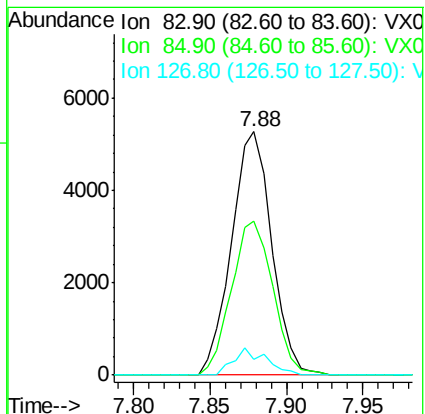
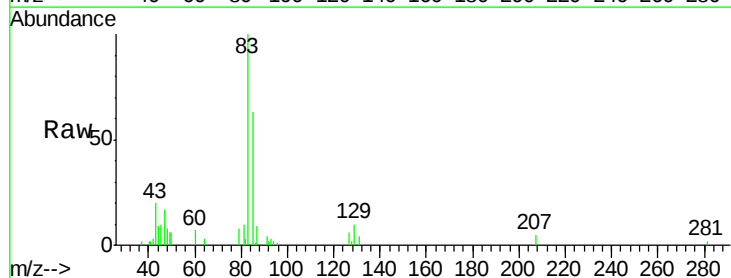
Tgt Ion: 83 Resp: 9619

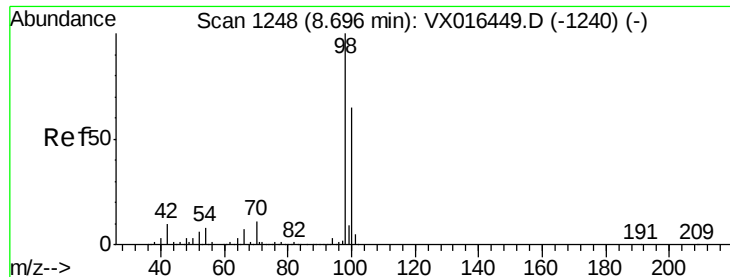
Ion Ratio Lower Upper

83 100

85 63.4 52.0 78.0

127 6.4 7.4 11.0#





#50

Toluene-d8

Concen: 52.158 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampleId :

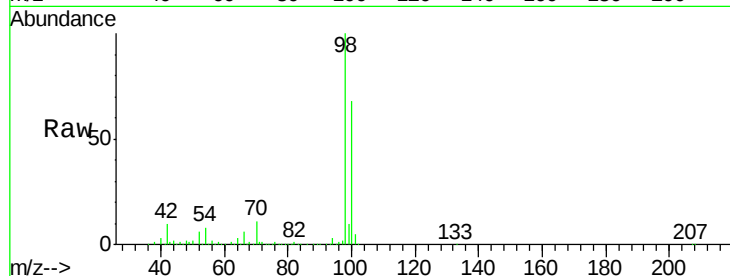
I-OC-2

Tot Ion: 98 Resp: 409111

Ion Ratio Lower Upper

98 100

100 67.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

250000

200000

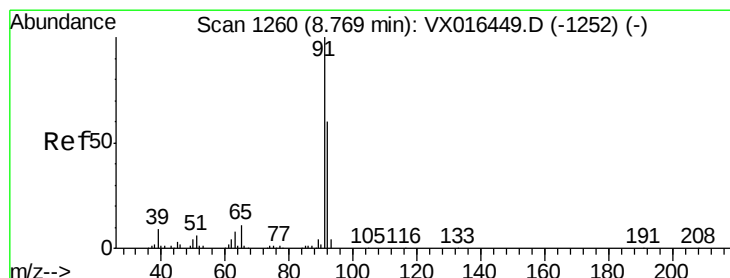
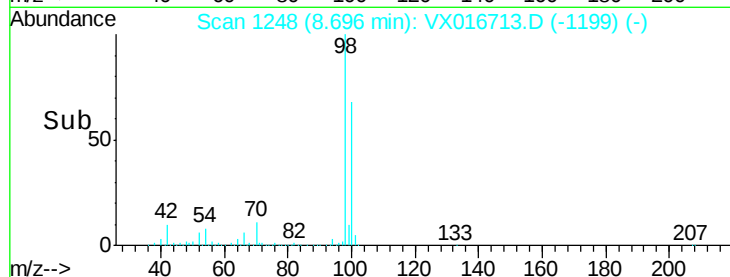
150000

100000

50000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#52

Toluene

Concen: 6.346 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX016713.D

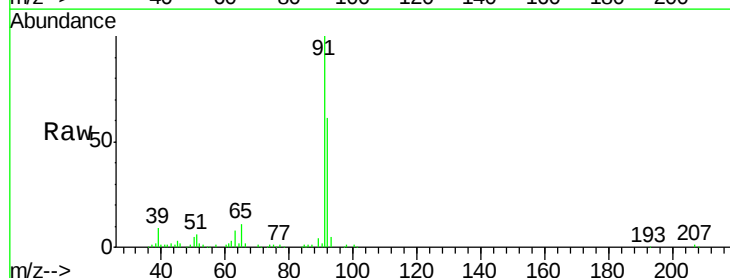
Acq: 11 Jun 2020 18:36

Tgt Ion: 92 Resp: 36929

Ion Ratio Lower Upper

92 100

91 163.2 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

40000

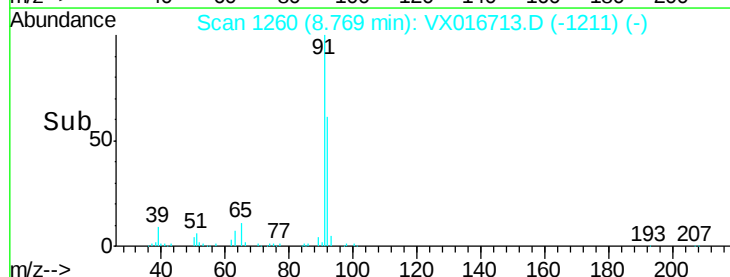
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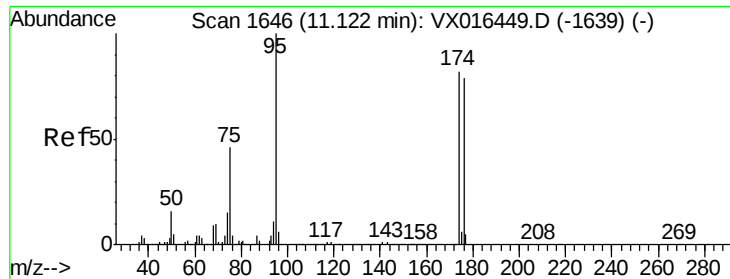
20000

10000

0

Time--> 8.70 8.75 8.80

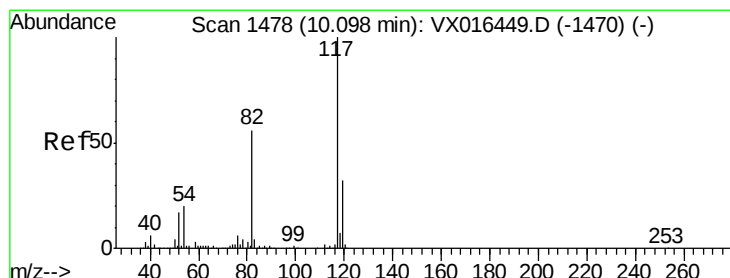
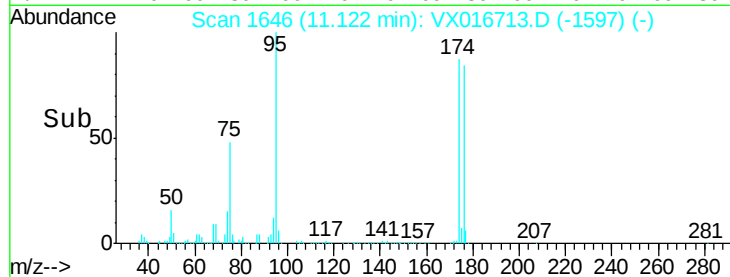
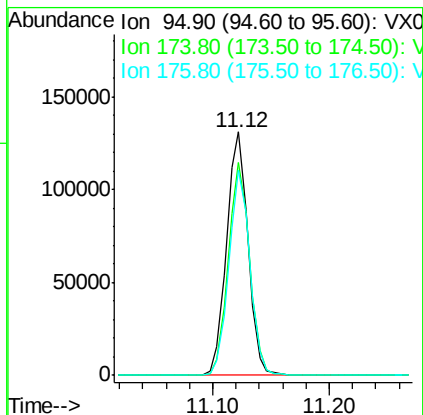
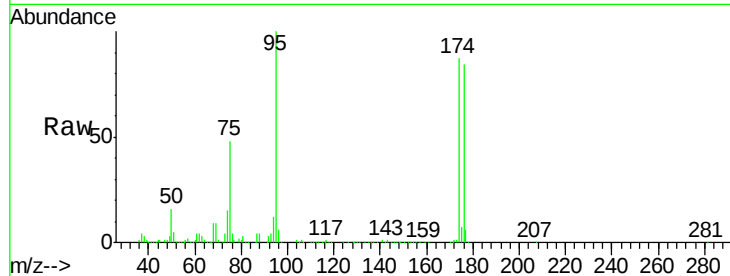




#62  
4-Bromofluorobenzene  
Concen: 54.977 ug/l  
RT: 11.12 min Scan# 1646  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

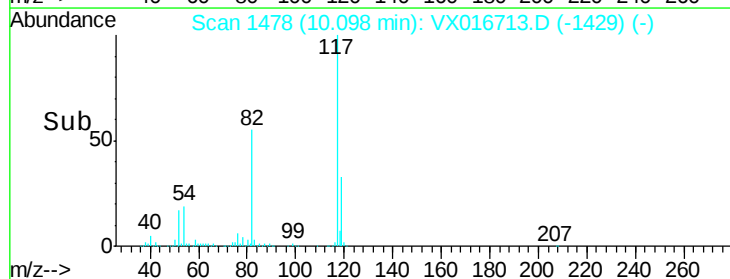
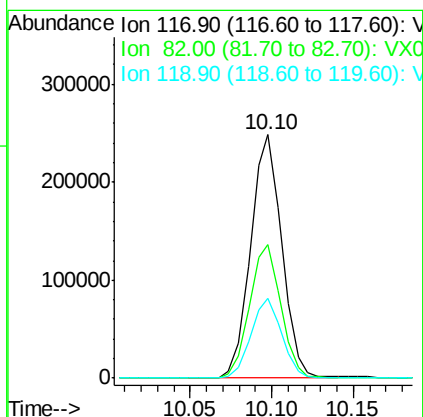
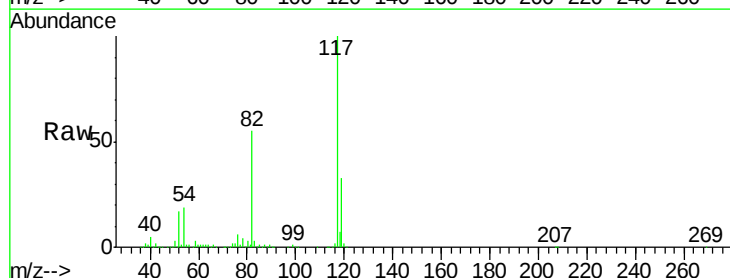
Instrument :  
MSVOA\_X  
ClientSampleId :  
I-OC-2

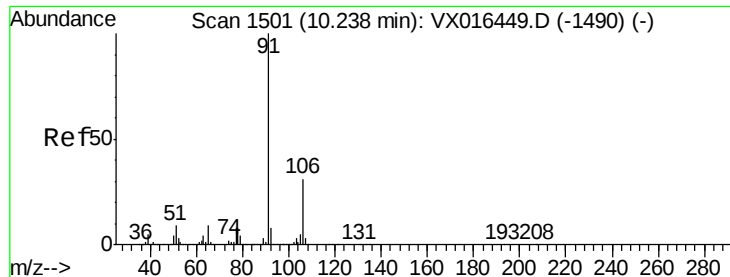
Tot Ion: 95 Resp: 166624  
Ion Ratio Lower Upper  
95 100  
174 87.0 0.0 163.0  
176 83.2 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

Tgt Ion: 117 Resp: 331518  
Ion Ratio Lower Upper  
117 100  
82 55.1 45.0 67.6  
119 32.8 25.8 38.8

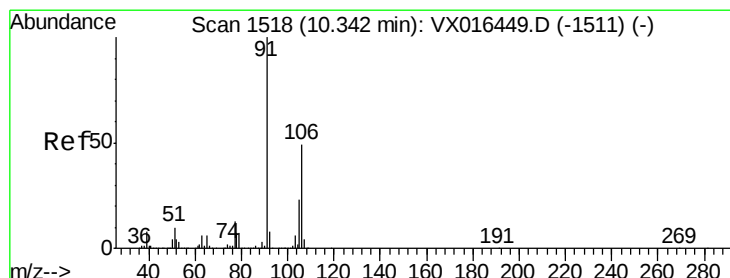
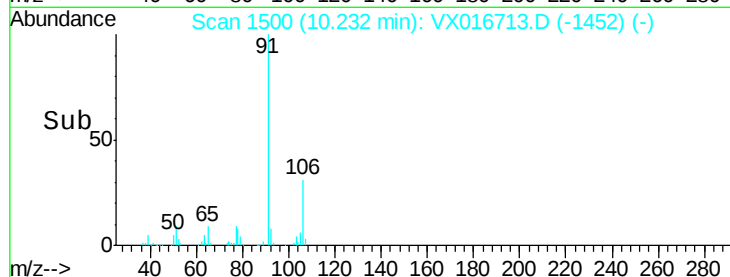
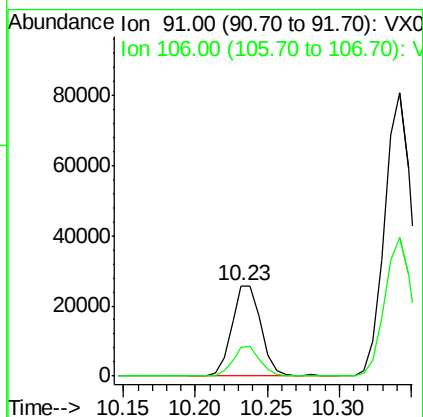
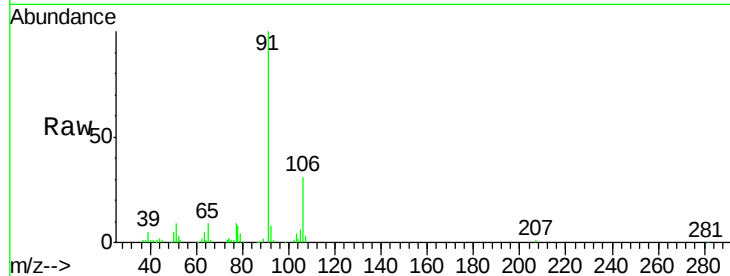




#67  
Ethyl Benzene  
Concen: 3.040 ug/l  
RT: 10.23 min Scan# 1500  
Delta R.T. -0.01 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

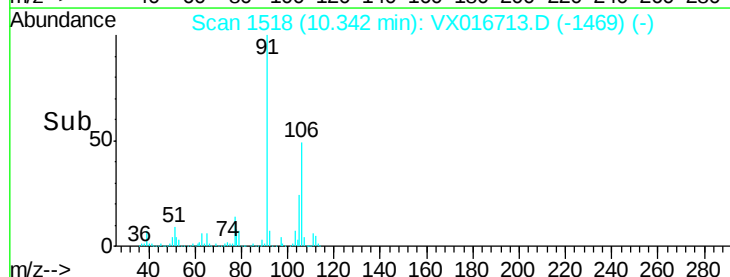
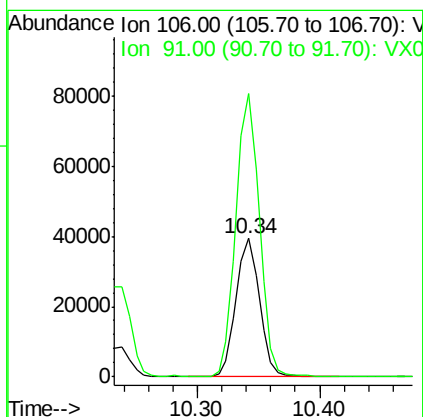
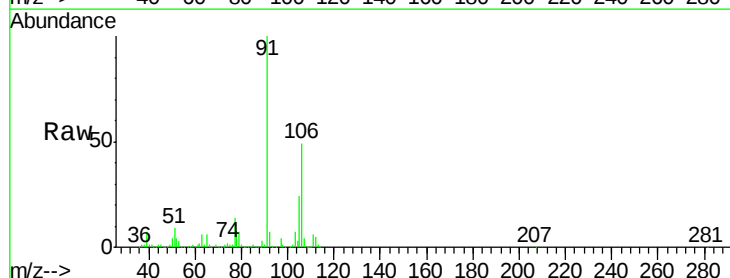
Instrument :  
MSVOA\_X  
ClientSampled :  
I-OC-2

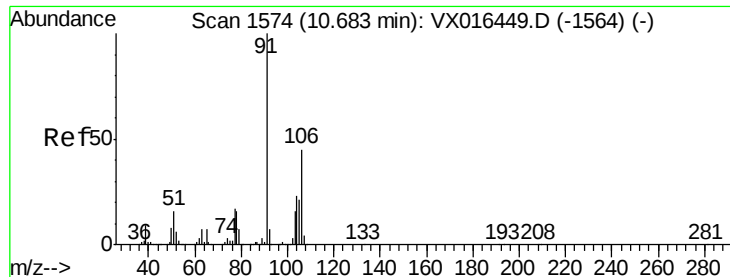
Tot Ion: 91 Resp: 36586  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.4



#68  
m/p-Xylenes  
Concen: 11.797 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

Tgt Ion: 106 Resp: 52635  
Ion Ratio Lower Upper  
106 100  
91 204.4 163.8 245.8

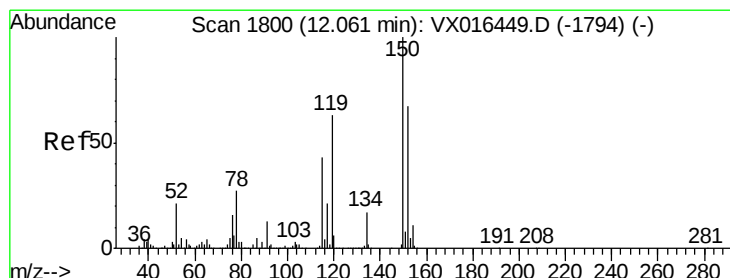
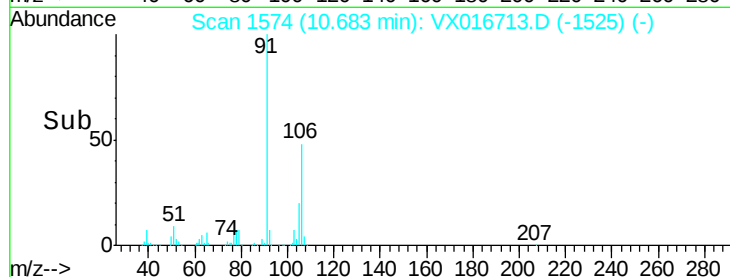
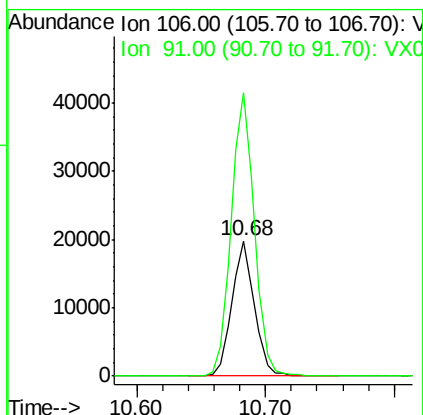
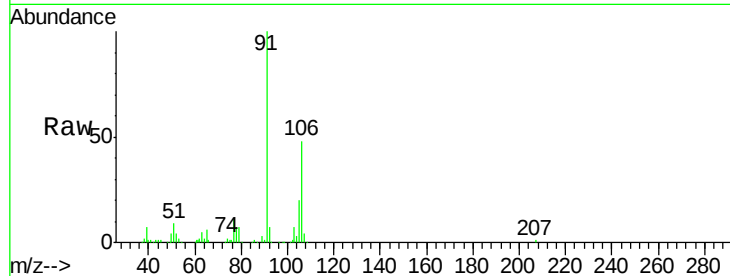




#69  
o-Xylene  
Concen: 5.604 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

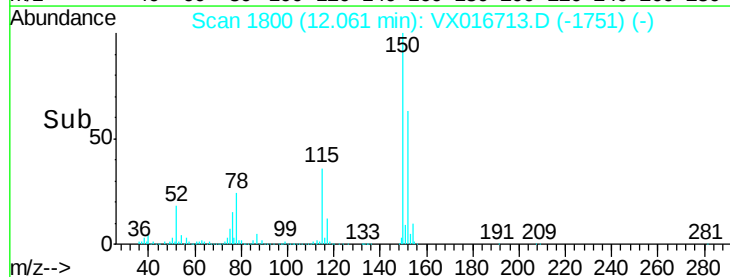
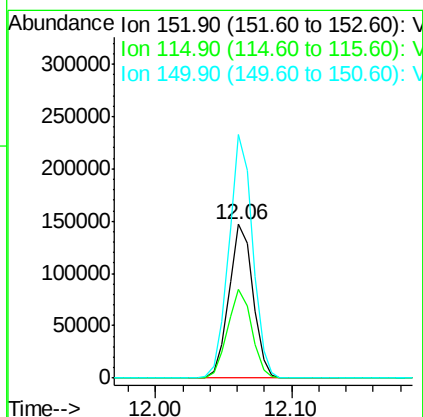
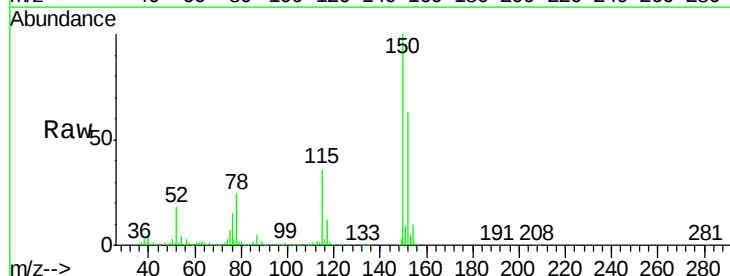
Instrument :  
MSVOA\_X  
ClientSampled :  
I-OC-2

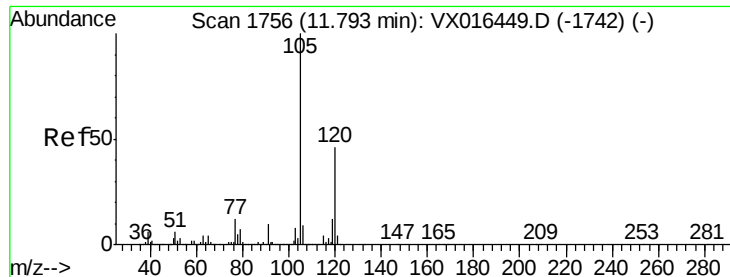
Tot Ion:106 Resp: 24213  
Ion Ratio Lower Upper  
106 100  
91 216.1 109.6 328.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX016713.D  
Acq: 11 Jun 2020 18:36

Tgt Ion:152 Resp: 180133  
Ion Ratio Lower Upper  
152 100  
115 57.8 39.9 119.6  
150 156.5 0.0 341.0





#84

1,2,4-Trimethylbenzene

Concen: 3.250 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

Instrument :

MSVOA\_X

ClientSampled :

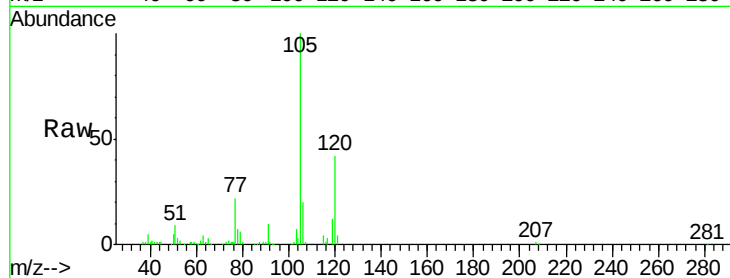
I-OC-2

Tot Ion:105 Resp: 34251

Ion Ratio Lower Upper

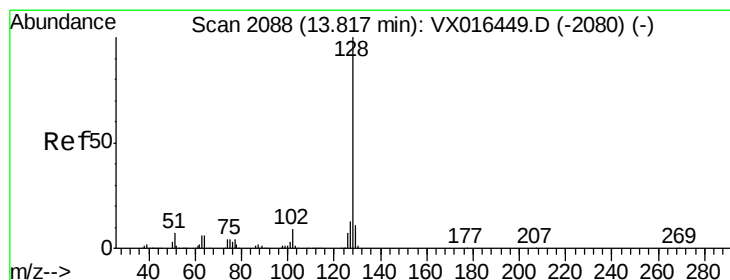
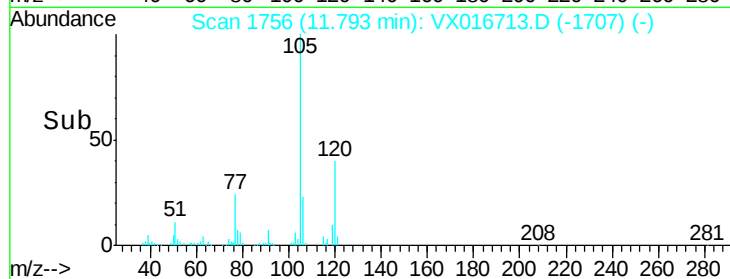
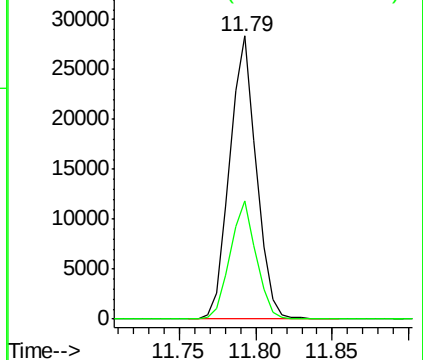
105 100

120 40.7 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 250.531 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016713.D

Acq: 11 Jun 2020 18:36

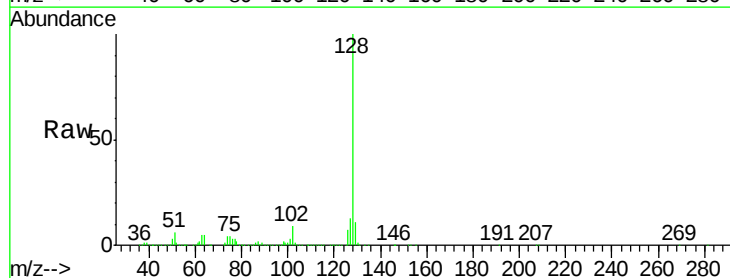
Tgt Ion:128 Resp: 3134129

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 11.1 8.6 13.0



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

