

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061120\  
 Data File : VX016715.D  
 Acq On : 11 Jun 2020 19:21  
 Operator : JC/SP  
 Sample : L2977-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 12 15:55:11 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  | 209354   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 338826   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 334012   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 177894   | 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   | 123091   | 47.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.68%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 102943   | 49.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.68%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 407828   | 50.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.44% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 167509   | 53.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.78% |          |

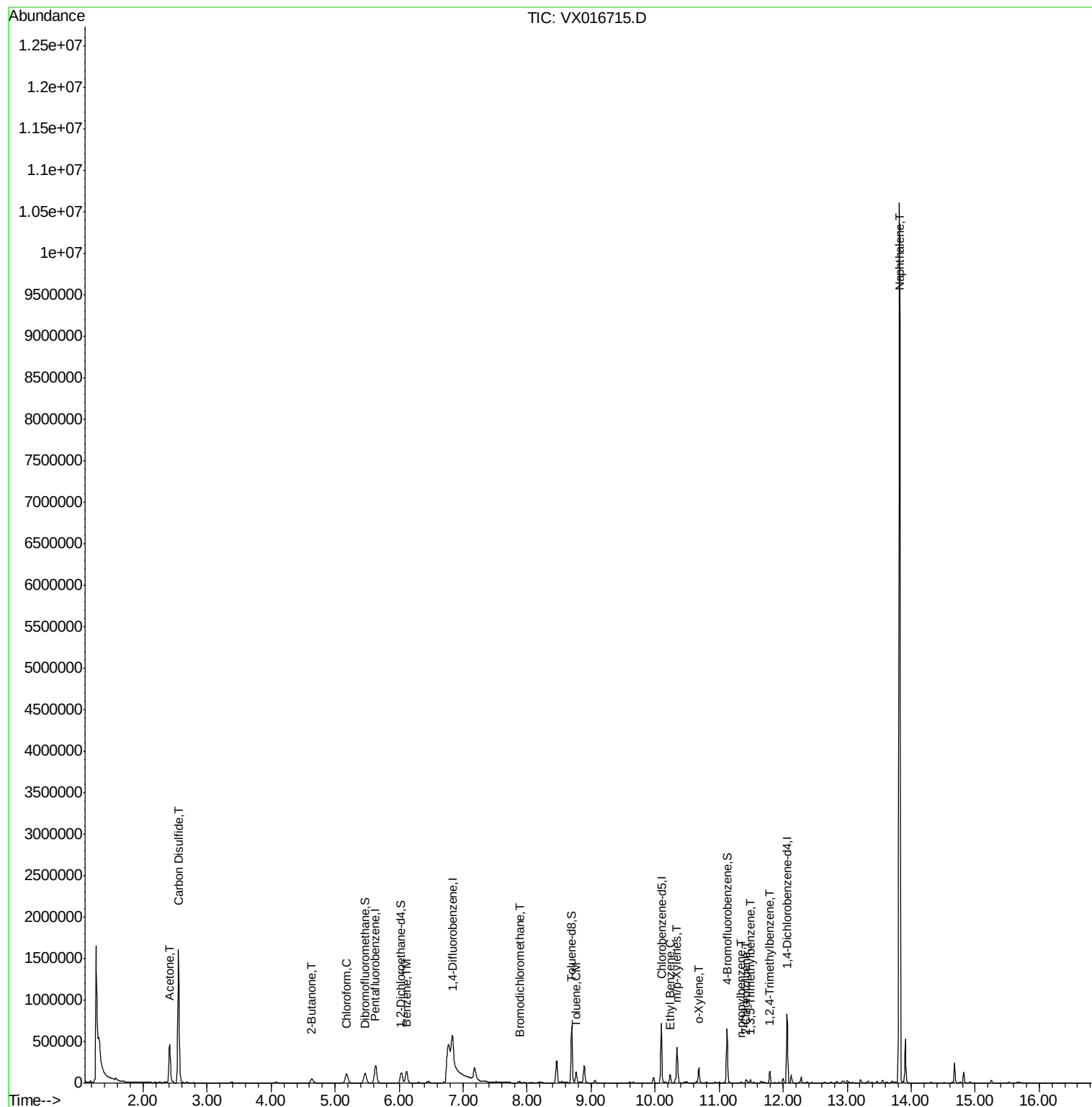
| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 16) Acetone                | 2.42  | 43   | 477601   | 419.287 | ug/l  | 100    |
| 17) Carbon Disulfide       | 2.55  | 76   | 2074292  | 346.748 | ug/l  | 99     |
| 25) 2-Butanone             | 4.64  | 43   | 91074    | 47.186  | ug/l  | 93     |
| 30) Chloroform             | 5.18  | 83   | 141848   | 35.047  | ug/l  | 98     |
| 40) Benzene                | 6.12  | 78   | 174401   | 18.255  | ug/l  | 98     |
| 47) Bromodichloromethane   | 7.88  | 83   | 8337     | 2.465   | ug/l  | 94     |
| 52) Toluene                | 8.77  | 92   | 50470    | 8.378   | ug/l  | 97     |
| 67) Ethyl Benzene          | 10.24 | 91   | 60046    | 4.953   | ug/l  | 100    |
| 68) m/p-Xylenes            | 10.34 | 106  | 87216    | 19.402  | ug/l  | 98     |
| 69) o-Xylene               | 10.68 | 106  | 39483    | 9.069   | ug/l  | 96     |
| 78) n-propylbenzene        | 11.34 | 91   | 3723     | 0.270   | ug/l  | 92     |
| 79) 2-Chlorotoluene        | 11.41 | 91   | 3541     | 0.421   | ug/l  | 76     |
| 80) 1,3,5-Trimethylbenzene | 11.49 | 105  | 16151    | 1.569   | ug/l  | 97     |
| 84) 1,2,4-Trimethylbenzene | 11.79 | 105  | 61758    | 5.933   | ug/l  | 99     |
| 95) Naphthalene            | 13.82 | 128  | 6516323  | 527.446 | ug/l  | 99     |

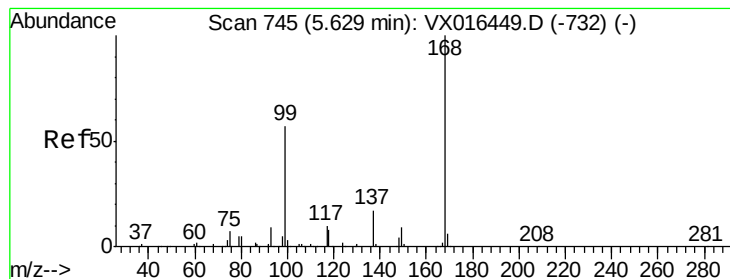
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: Jun 12 15:55:11 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: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampled :

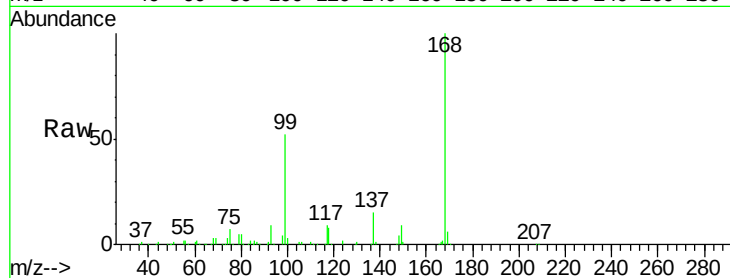
I-LDC-2

Tot Ion:168 Resp: 209354

Ion Ratio Lower Upper

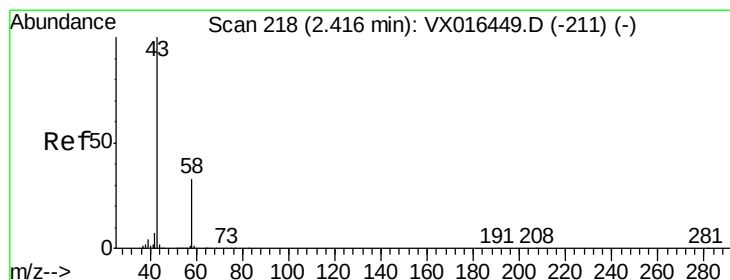
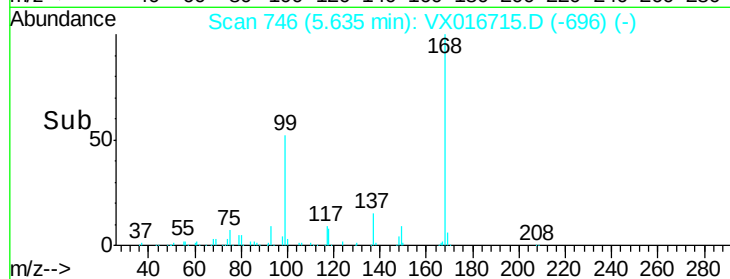
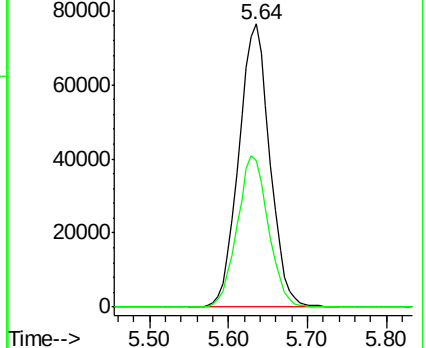
168 100

99 51.6 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 419.287 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016715.D

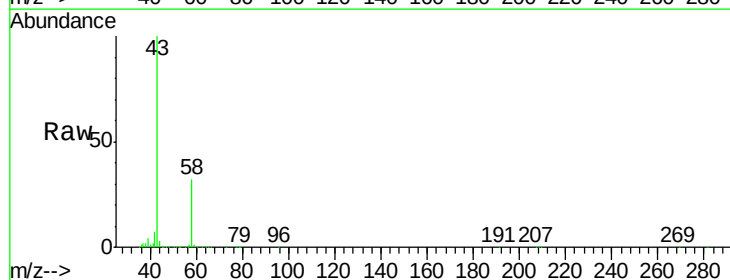
Acq: 11 Jun 2020 19:21

Tgt Ion: 43 Resp: 477601

Ion Ratio Lower Upper

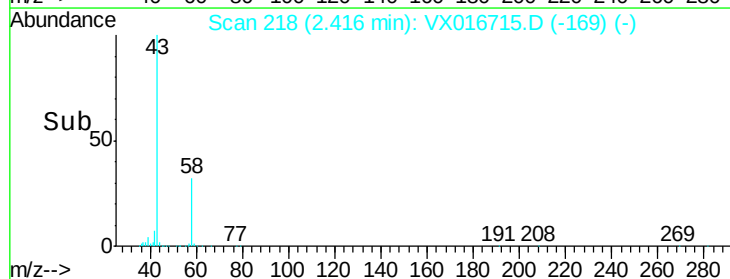
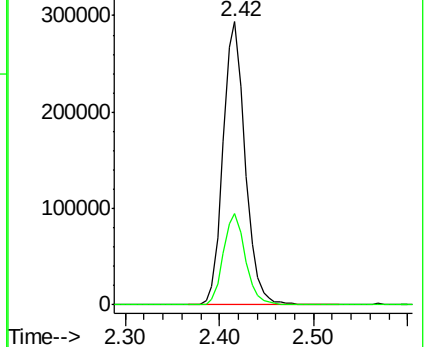
43 100

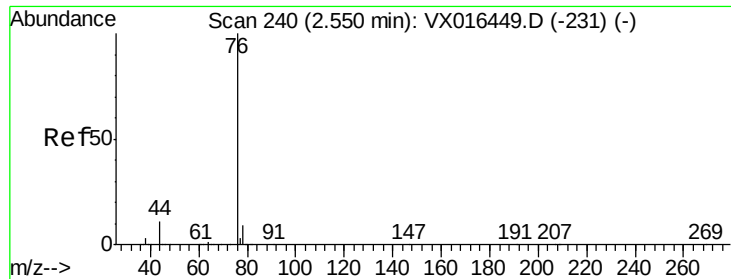
58 32.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 346.748 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampled :

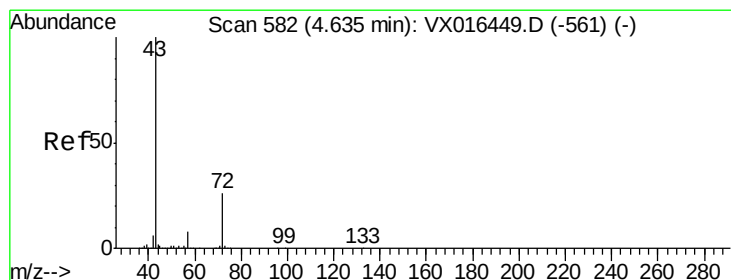
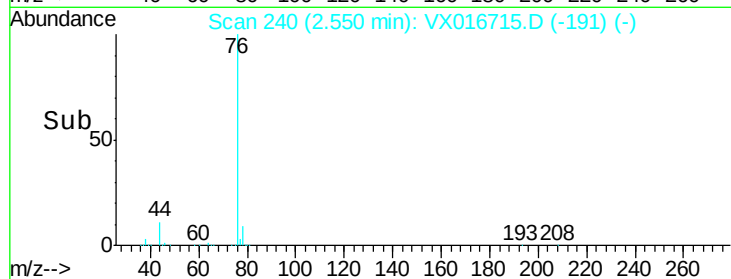
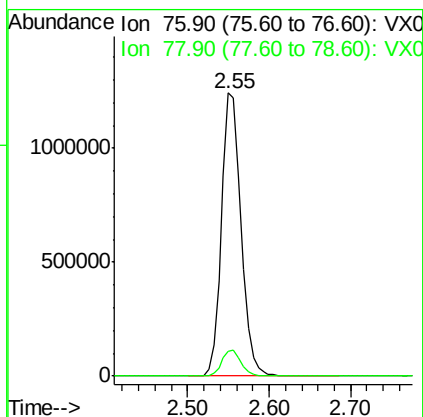
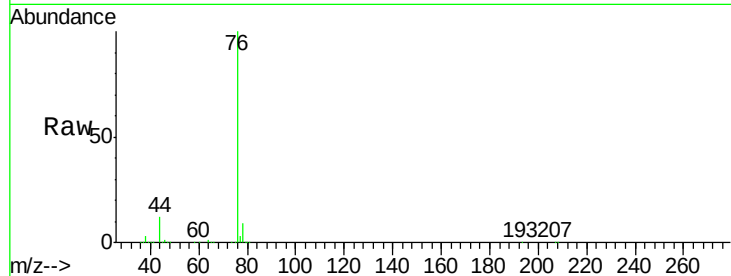
I-LDC-2

Tot Ion: 76 Resp: 2074292

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



#25

2-Butanone

Concen: 47.186 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016715.D

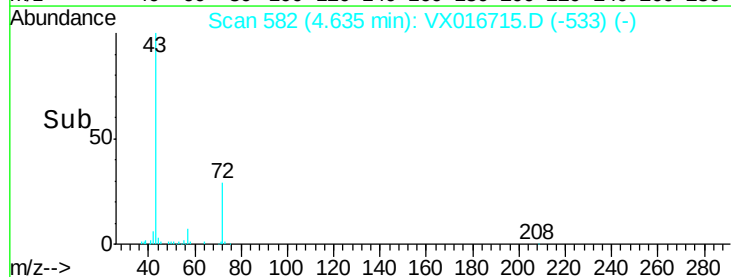
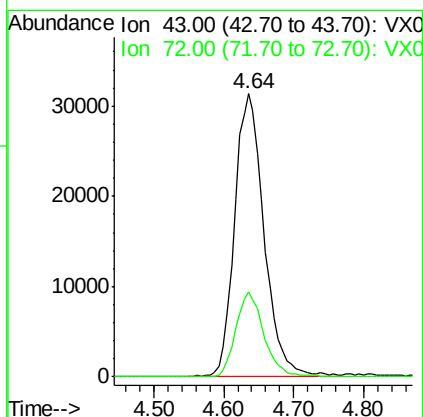
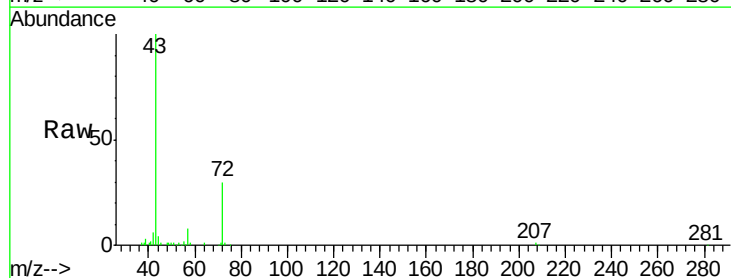
Acq: 11 Jun 2020 19:21

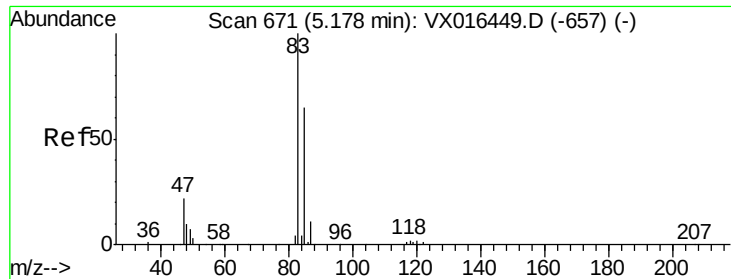
Tgt Ion: 43 Resp: 91074

Ion Ratio Lower Upper

43 100

72 30.0 21.0 31.6

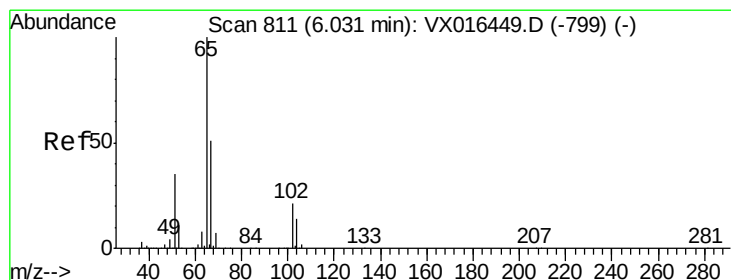
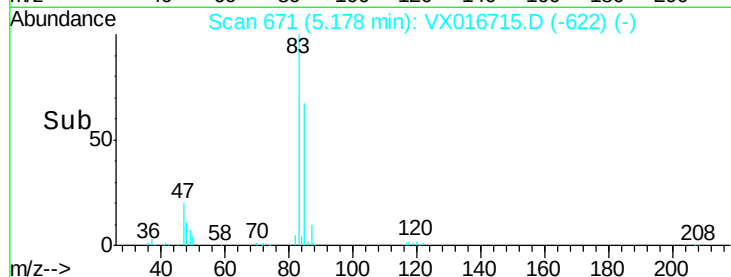
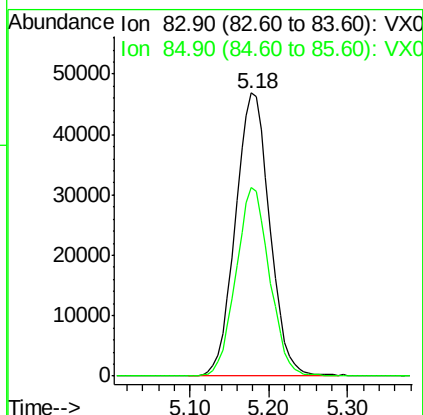
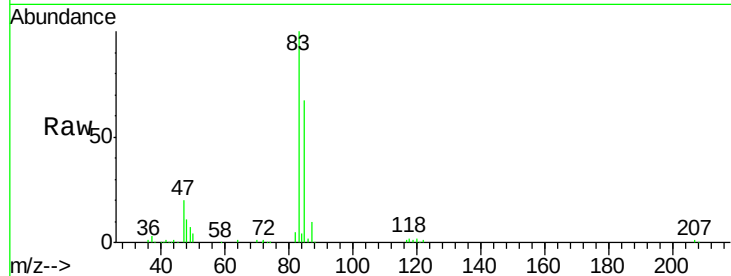




#30  
Chloroform  
Concen: 35.047 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

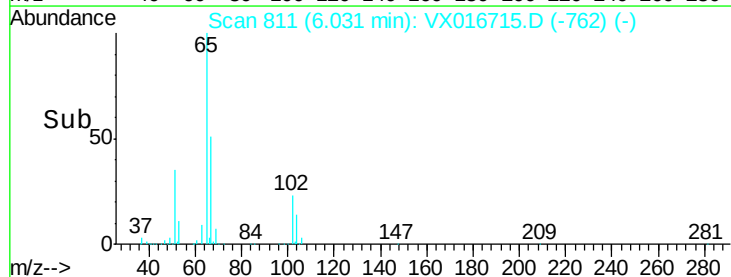
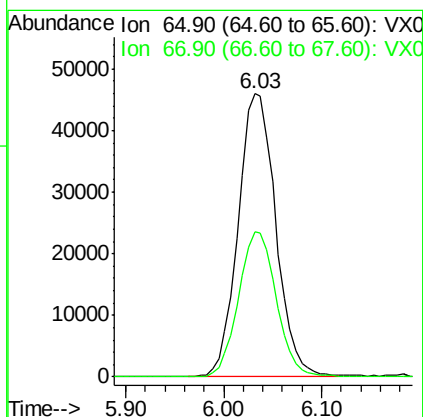
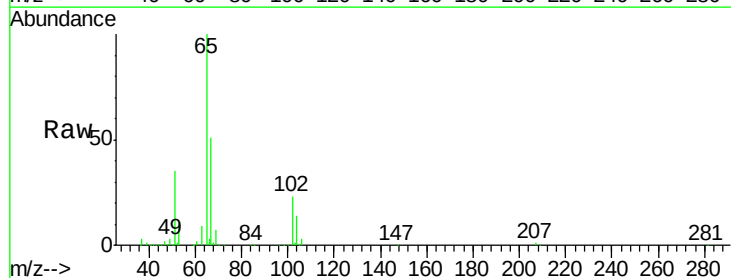
Instrument :  
MSVOA\_X  
ClientSampled :  
I-LDC-2

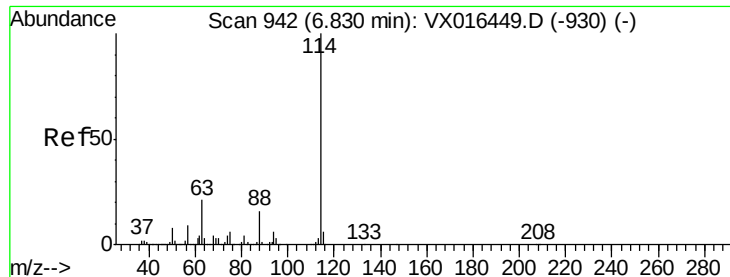
Tot Ion: 83 Resp: 141848  
Ion Ratio Lower Upper  
83 100  
85 66.6 52.0 78.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.344 ug/l  
RT: 6.03 min Scan# 811  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

Tgt Ion: 65 Resp: 123091  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

I-LDC-2

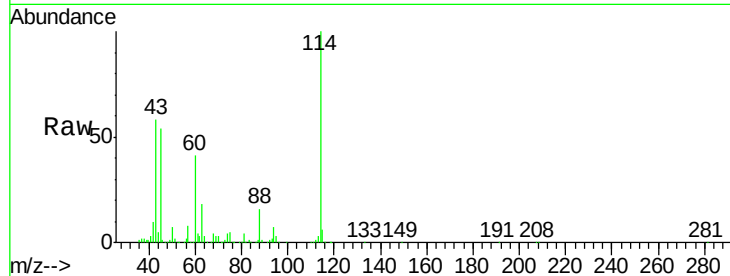
Tot Ion:114 Resp: 338826

Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.6

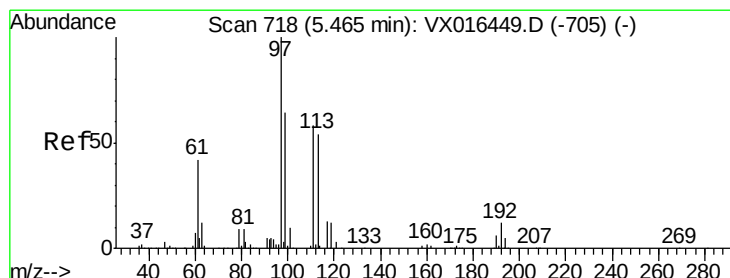
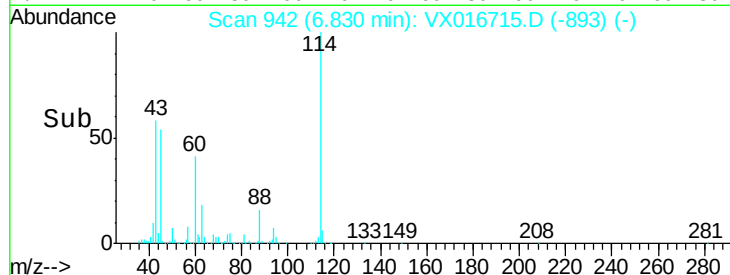
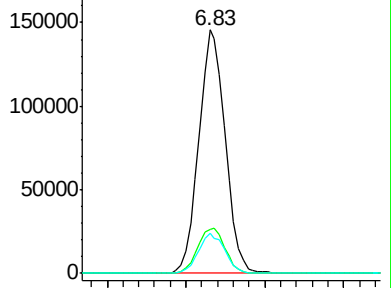
88 16.4 0.0 32.8



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: 49.342 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

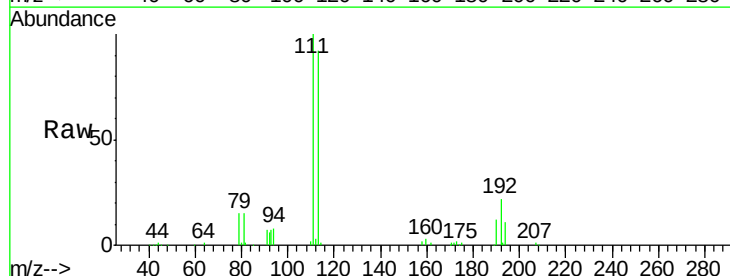
Tgt Ion:113 Resp: 102943

Ion Ratio Lower Upper

113 100

111 104.5 83.0 124.6

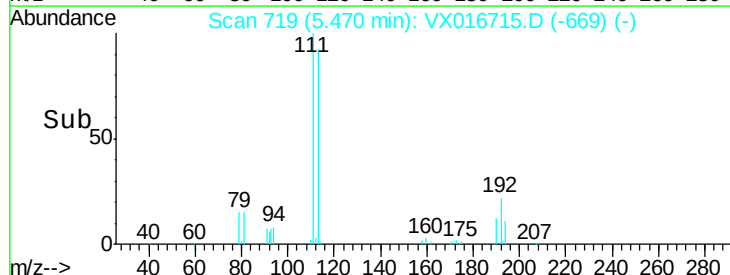
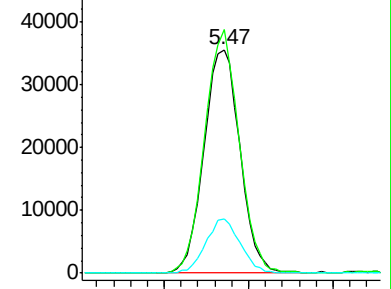
192 23.2 17.7 26.5

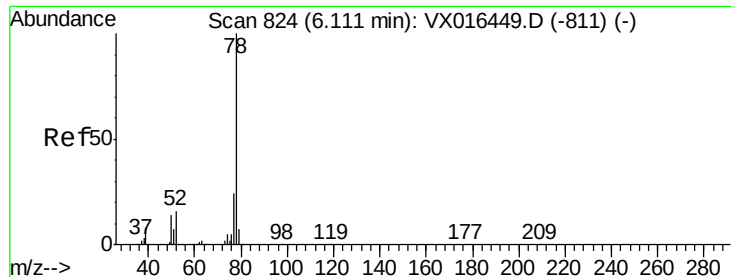


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 18.255 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

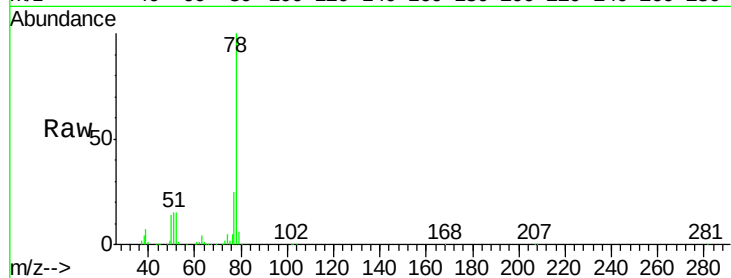
I-LDC-2

Tot Ion: 78 Resp: 174401

Ion Ratio Lower Upper

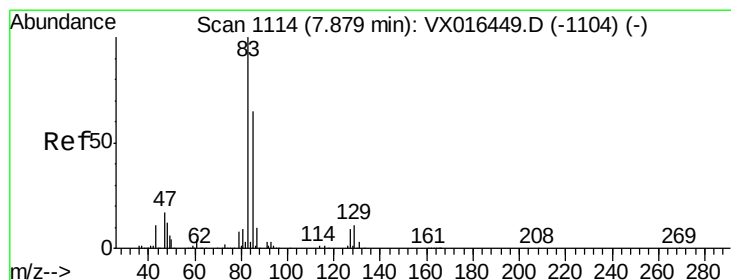
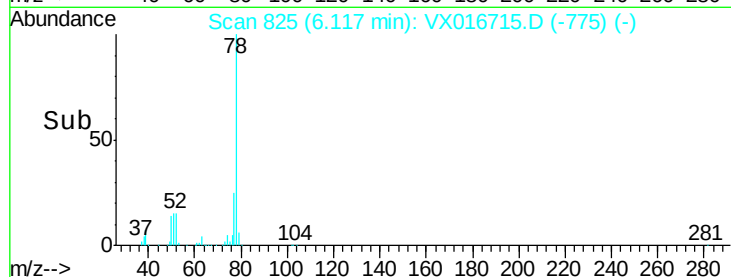
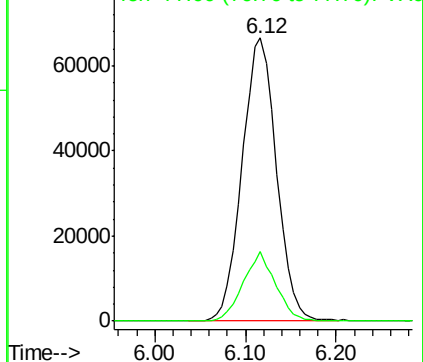
78 100

77 24.6 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#47

Bromodichloromethane

Concen: 2.465 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

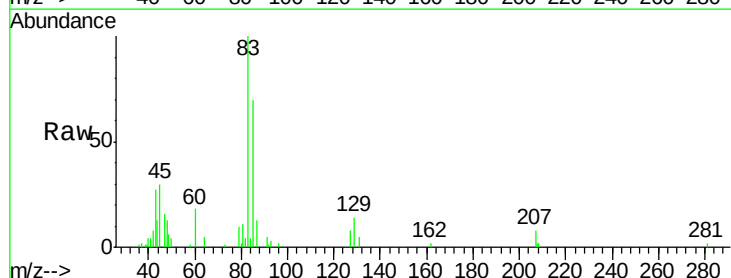
Tgt Ion: 83 Resp: 8337

Ion Ratio Lower Upper

83 100

85 70.3 52.0 78.0

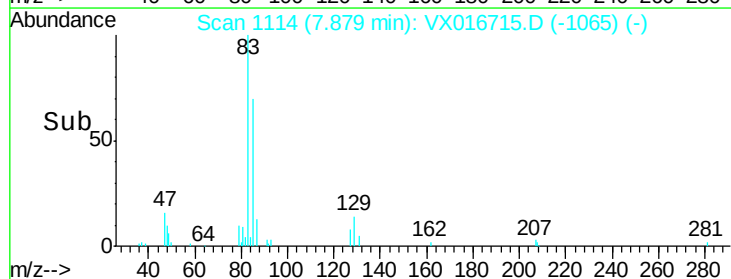
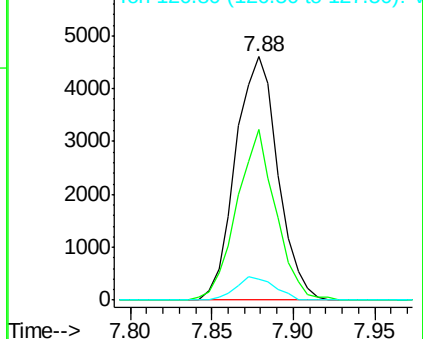
127 8.4 7.4 11.0

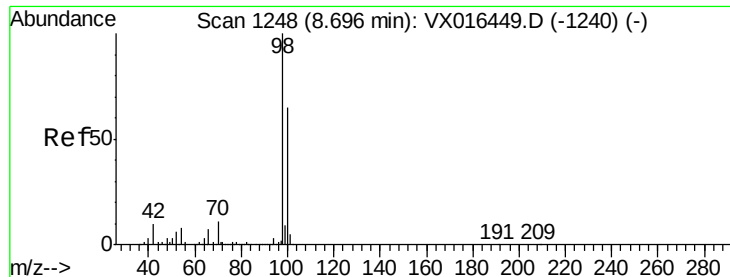


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 50.223 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

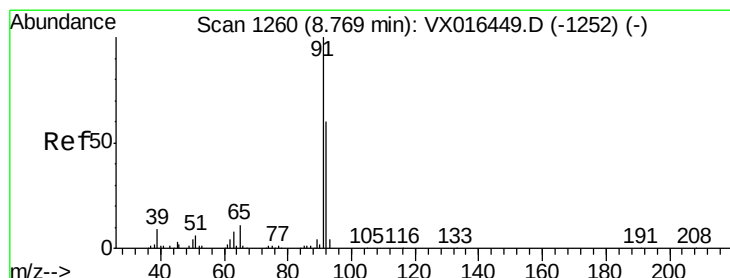
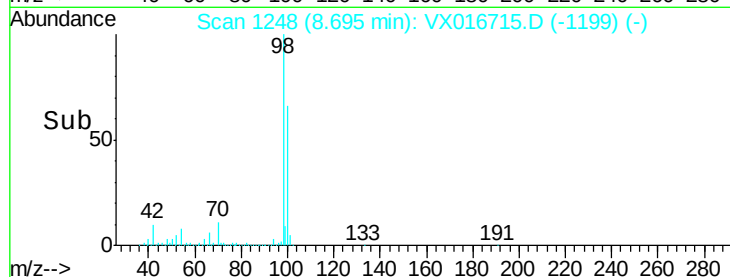
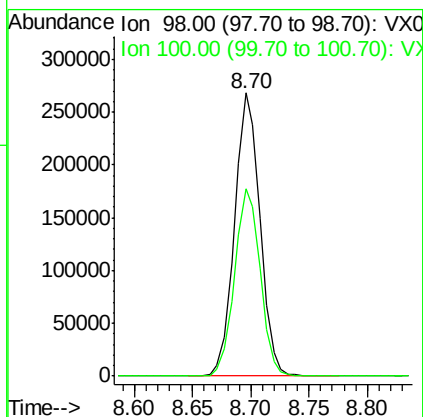
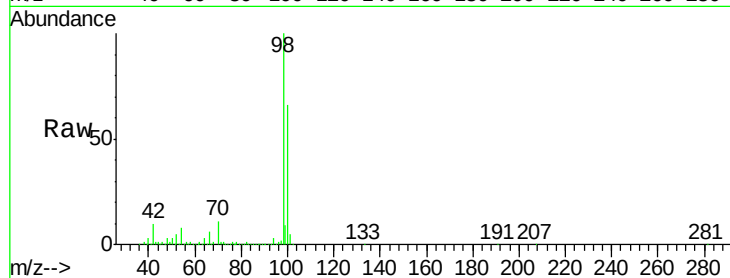
I-LDC-2

Tot Ion: 98 Resp: 407828

Ion Ratio Lower Upper

98 100

100 67.2 53.8 80.6



#52

Toluene

Concen: 8.378 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016715.D

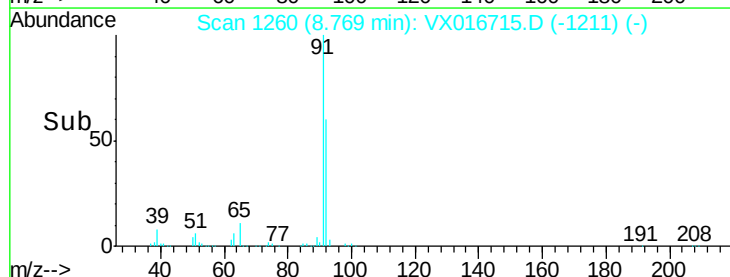
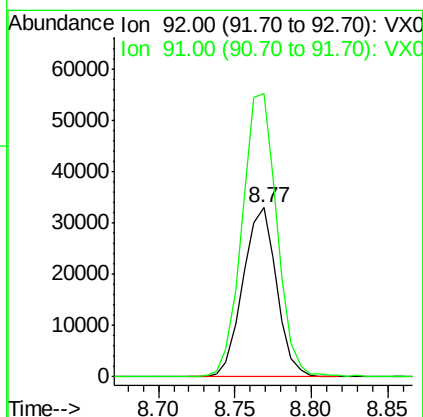
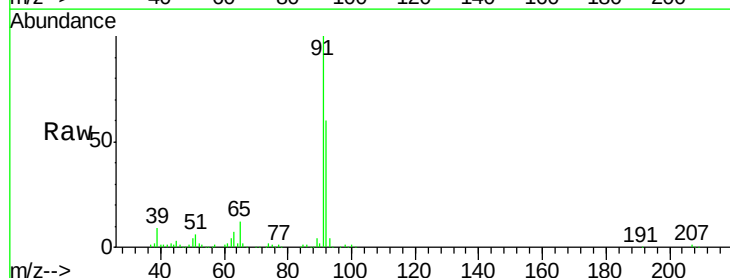
Acq: 11 Jun 2020 19:21

Tgt Ion: 92 Resp: 50470

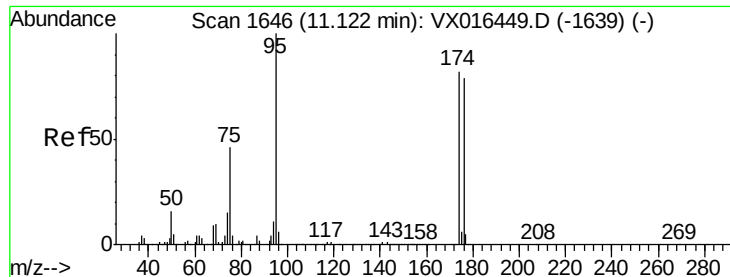
Ion Ratio Lower Upper

92 100

91 172.2 135.0 202.4







#62

4-Bromofluorobenzene

Concen: 53.386 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

I-LDC-2

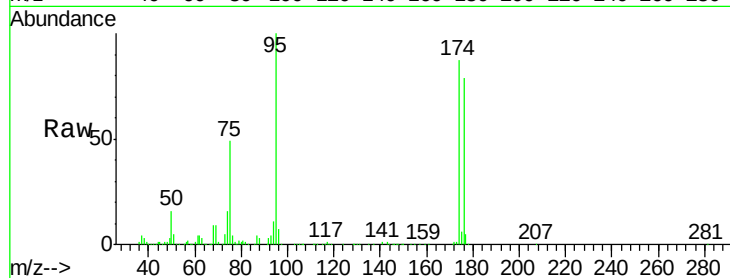
Tot Ion: 95 Resp: 167509

Ion Ratio Lower Upper

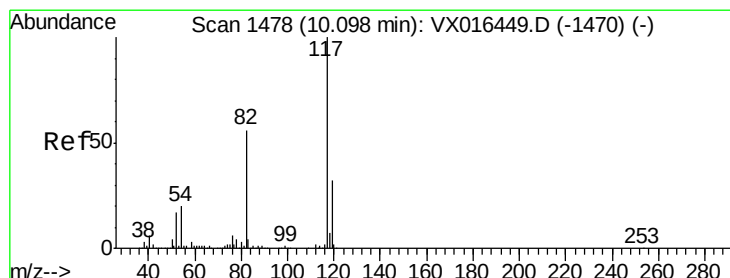
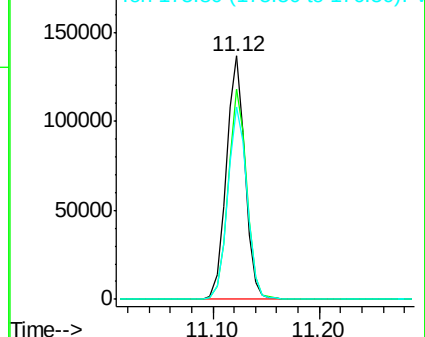
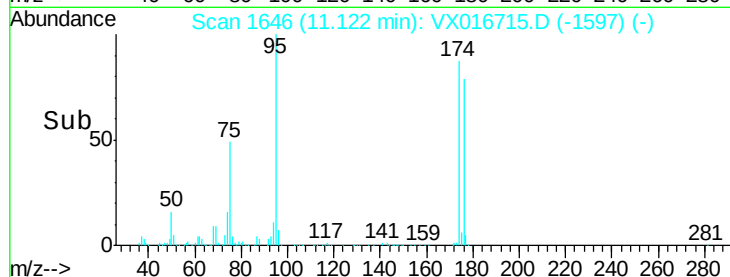
95 100

174 86.1 0.0 163.0

176 81.8 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016715.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

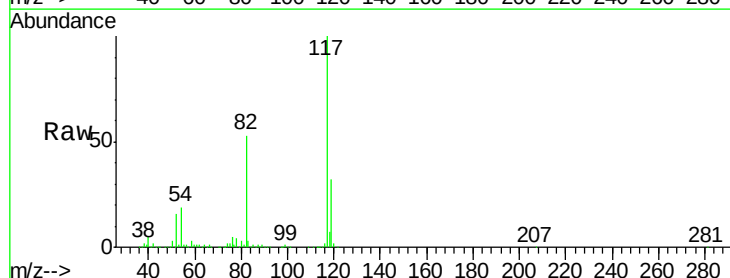
Tgt Ion: 117 Resp: 334012

Ion Ratio Lower Upper

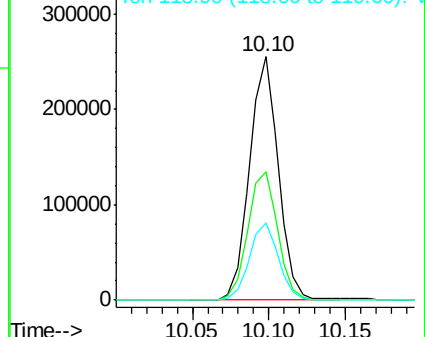
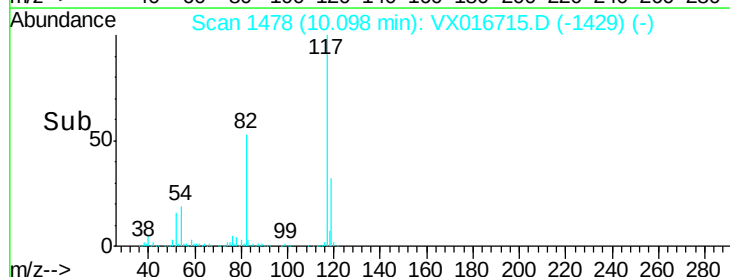
117 100

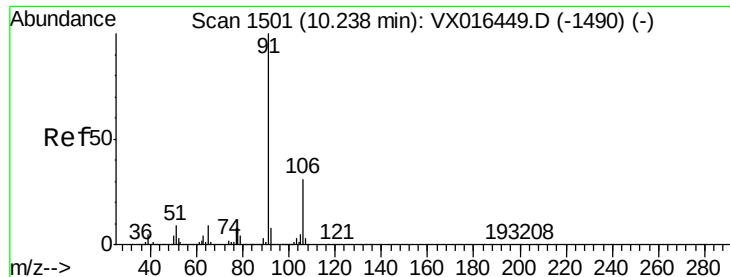
82 52.5 45.0 67.6

119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VX016715.D (-1429) (-)

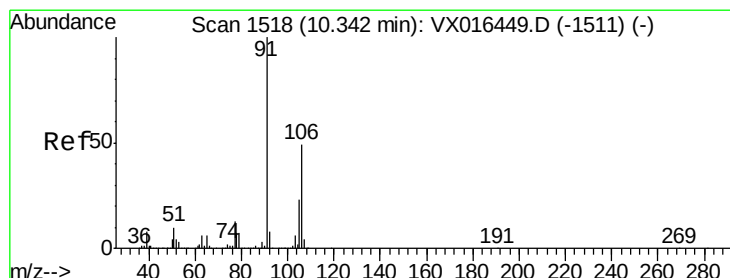
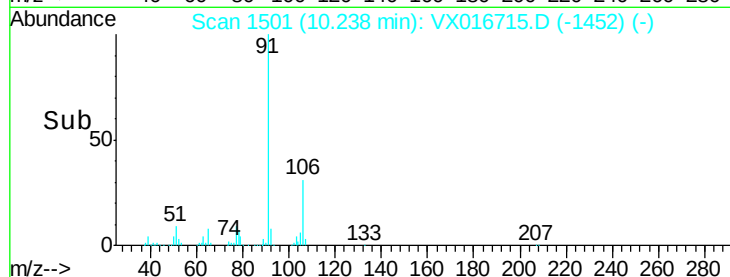
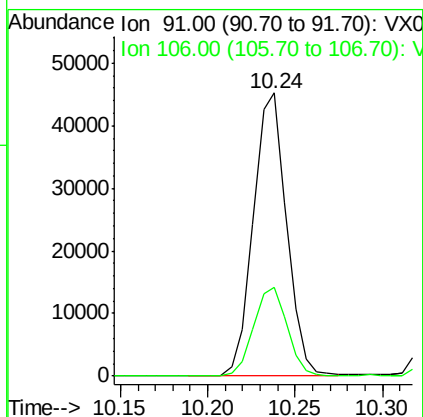
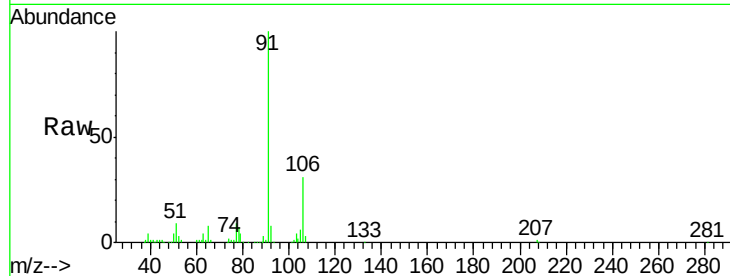




#67  
Ethyl Benzene  
Concen: 4.953 ug/l  
RT: 10.24 min Scan# 1501  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

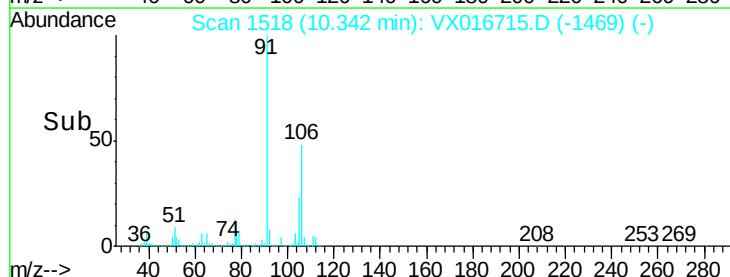
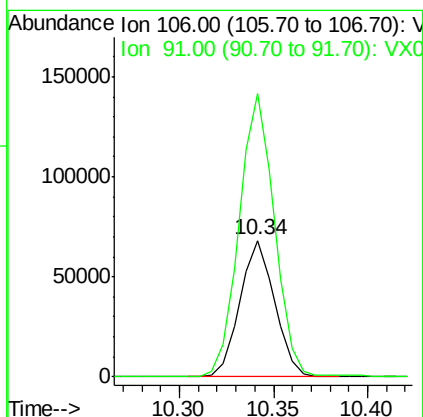
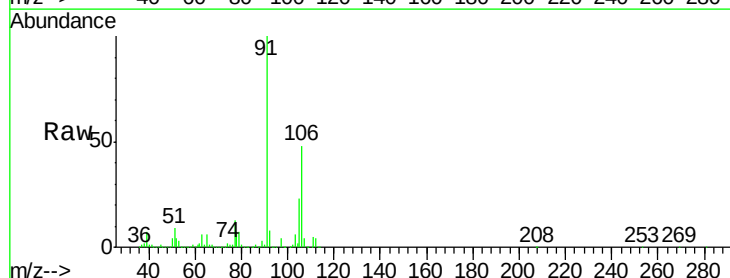
Instrument :  
MSVOA\_X  
ClientSampleId :  
I-LDC-2

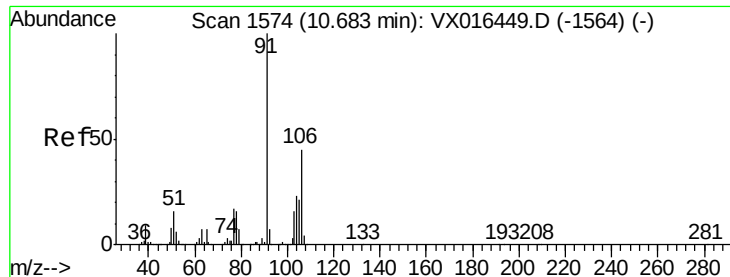
Tot Ion: 91 Resp: 60046  
Ion Ratio Lower Upper  
91 100  
106 31.3 25.0 37.4



#68  
m/p-Xylenes  
Concen: 19.402 ug/l  
RT: 10.34 min Scan# 1518  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

Tgt Ion: 106 Resp: 87216  
Ion Ratio Lower Upper  
106 100  
91 208.6 163.8 245.8

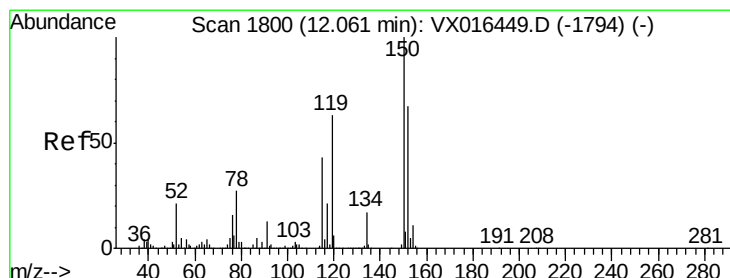
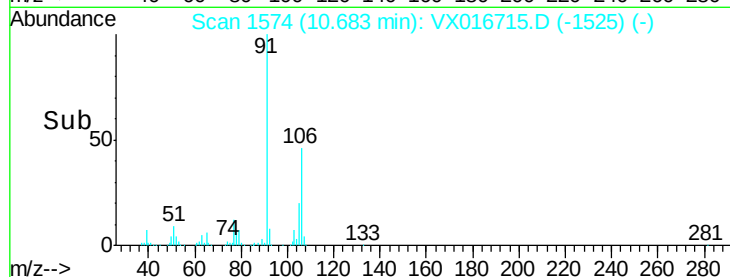
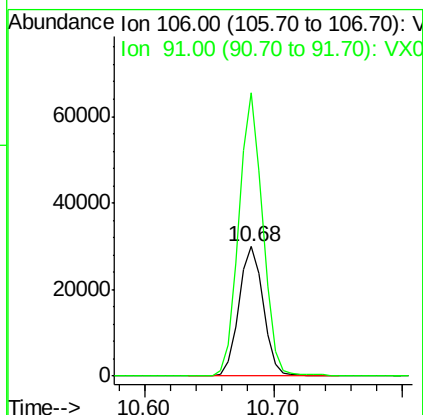
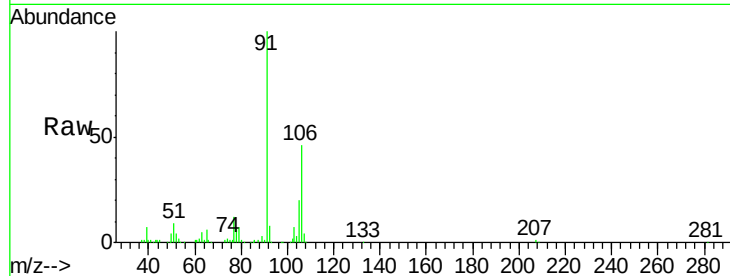




#69  
o-Xylene  
Concen: 9.069 ug/l  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

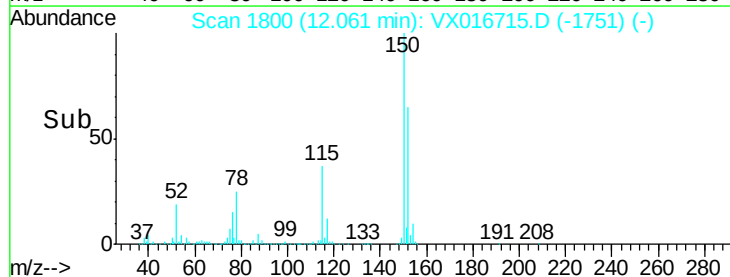
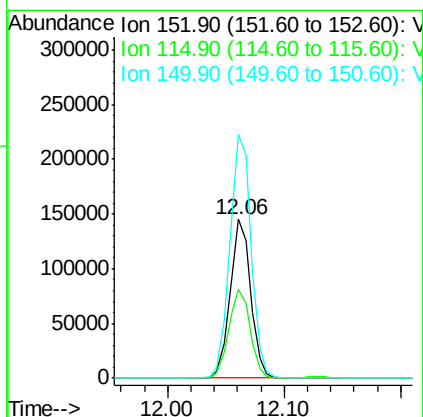
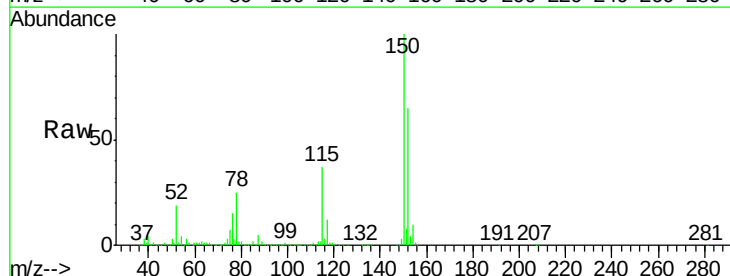
Instrument :  
MSVOA\_X  
ClientSampled :  
I-LDC-2

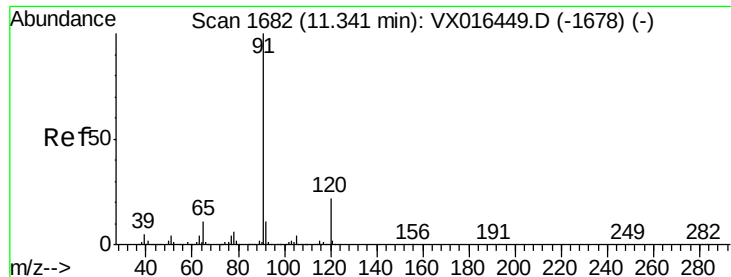
Tot Ion:106 Resp: 39483  
Ion Ratio Lower Upper  
106 100  
91 213.6 109.6 328.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016715.D  
Acq: 11 Jun 2020 19:21

Tgt Ion:152 Resp: 177894  
Ion Ratio Lower Upper  
152 100  
115 58.3 39.9 119.6  
150 158.7 0.0 341.0





#78

n-propylbenzene

Concen: 0.270 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

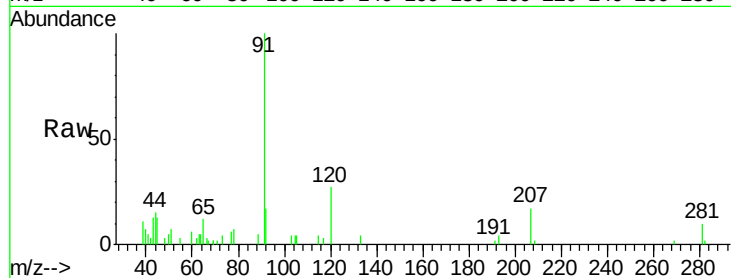
I-LDC-2

Tot Ion: 91 Resp: 3723

Ion Ratio Lower Upper

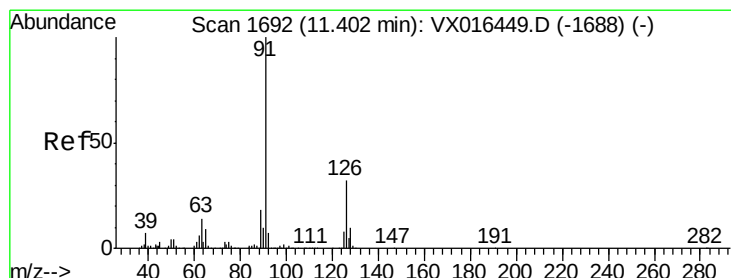
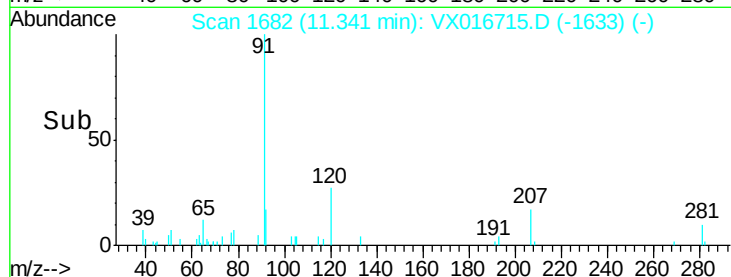
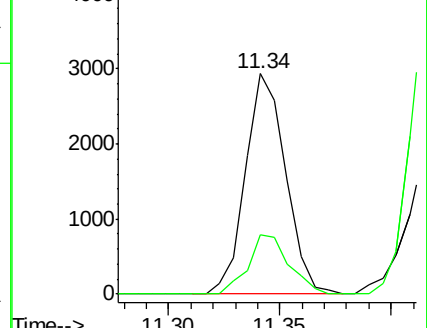
91 100

120 27.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.421 ug/l

RT: 11.41 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VX016715.D

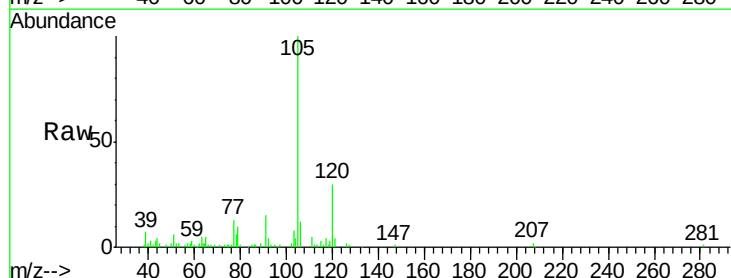
Acq: 11 Jun 2020 19:21

Tgt Ion: 91 Resp: 3541

Ion Ratio Lower Upper

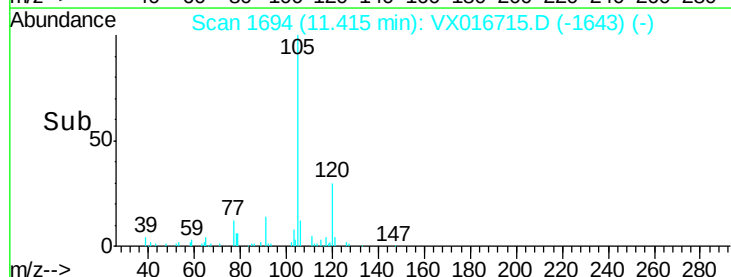
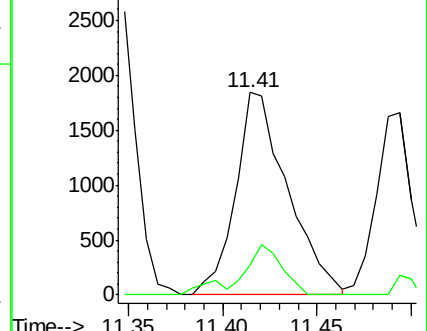
91 100

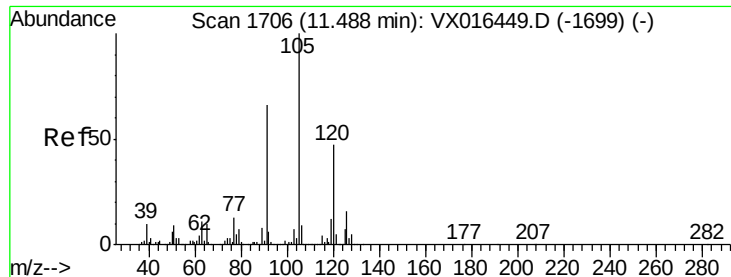
126 19.8 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.569 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampled :

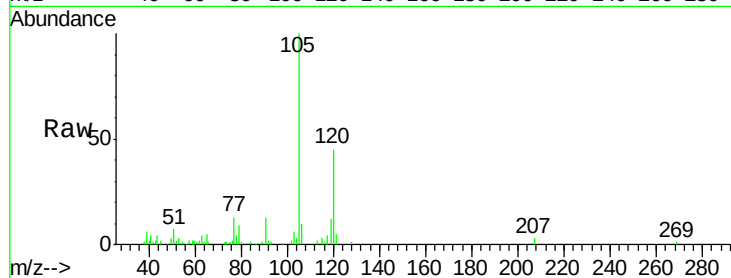
I-LDC-2

Tot Ion:105 Resp: 16151

Ion Ratio Lower Upper

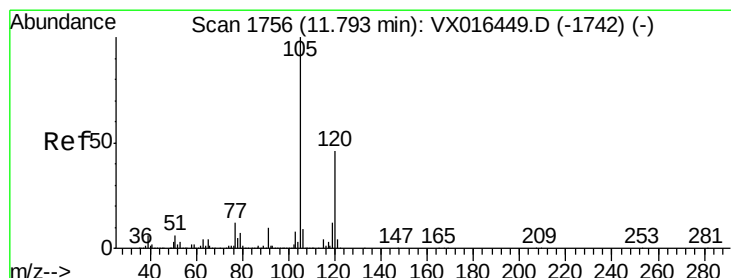
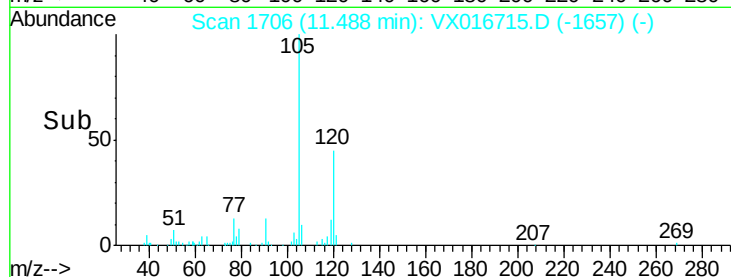
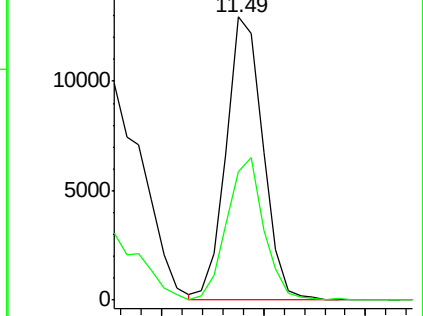
105 100

120 50.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.933 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016715.D

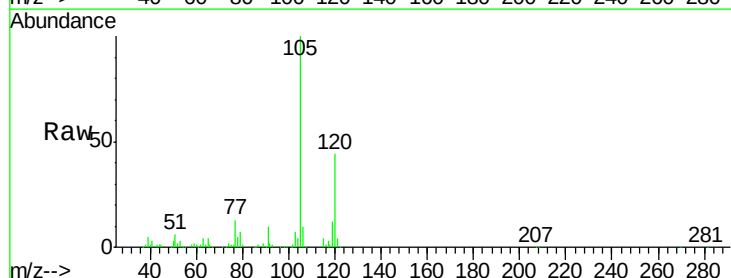
Acq: 11 Jun 2020 19:21

Tgt Ion:105 Resp: 61758

Ion Ratio Lower Upper

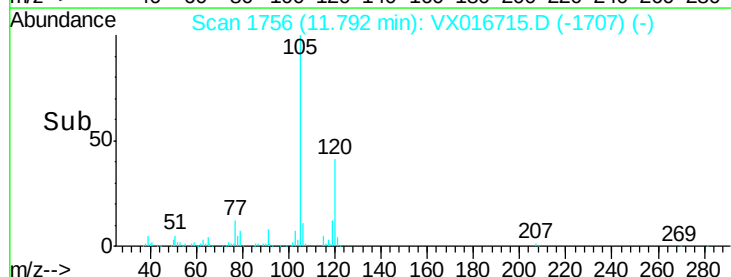
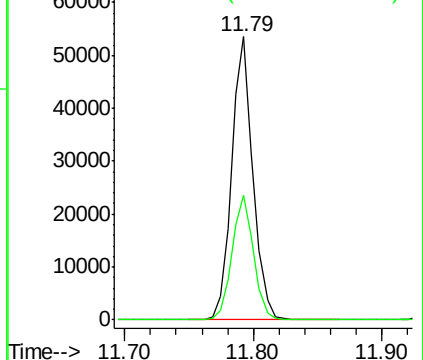
105 100

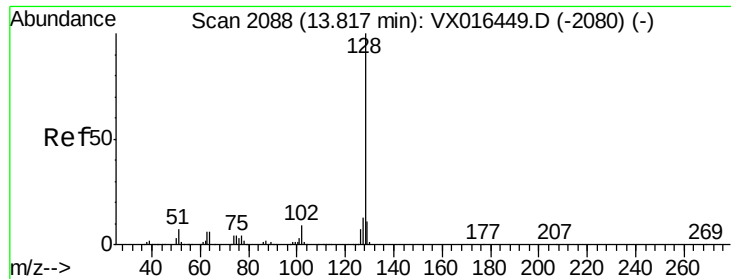
120 44.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 527.446 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX016715.D

Acq: 11 Jun 2020 19:21

Instrument :

MSVOA\_X

ClientSampleId :

I-LDC-2

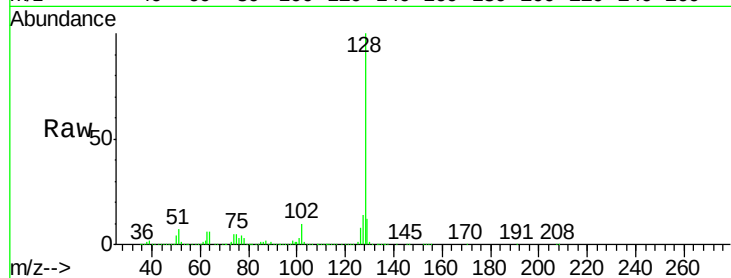
Tot Ion:128 Resp: 6516323

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

129 11.3 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

