

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073020\  
 Data File : VX017679.D  
 Acq On : 30 Jul 2020 13:17  
 Operator : JC/SP  
 Sample : L3514-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PK-10D

Quant Time: Jul 31 11:39:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 499323   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 837525   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 877470   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 472689   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 342087   | 53.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 106.66% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 286958   | 51.23 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.46% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1037218  | 51.33 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.66% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 447887   | 55.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 110.76% |          |

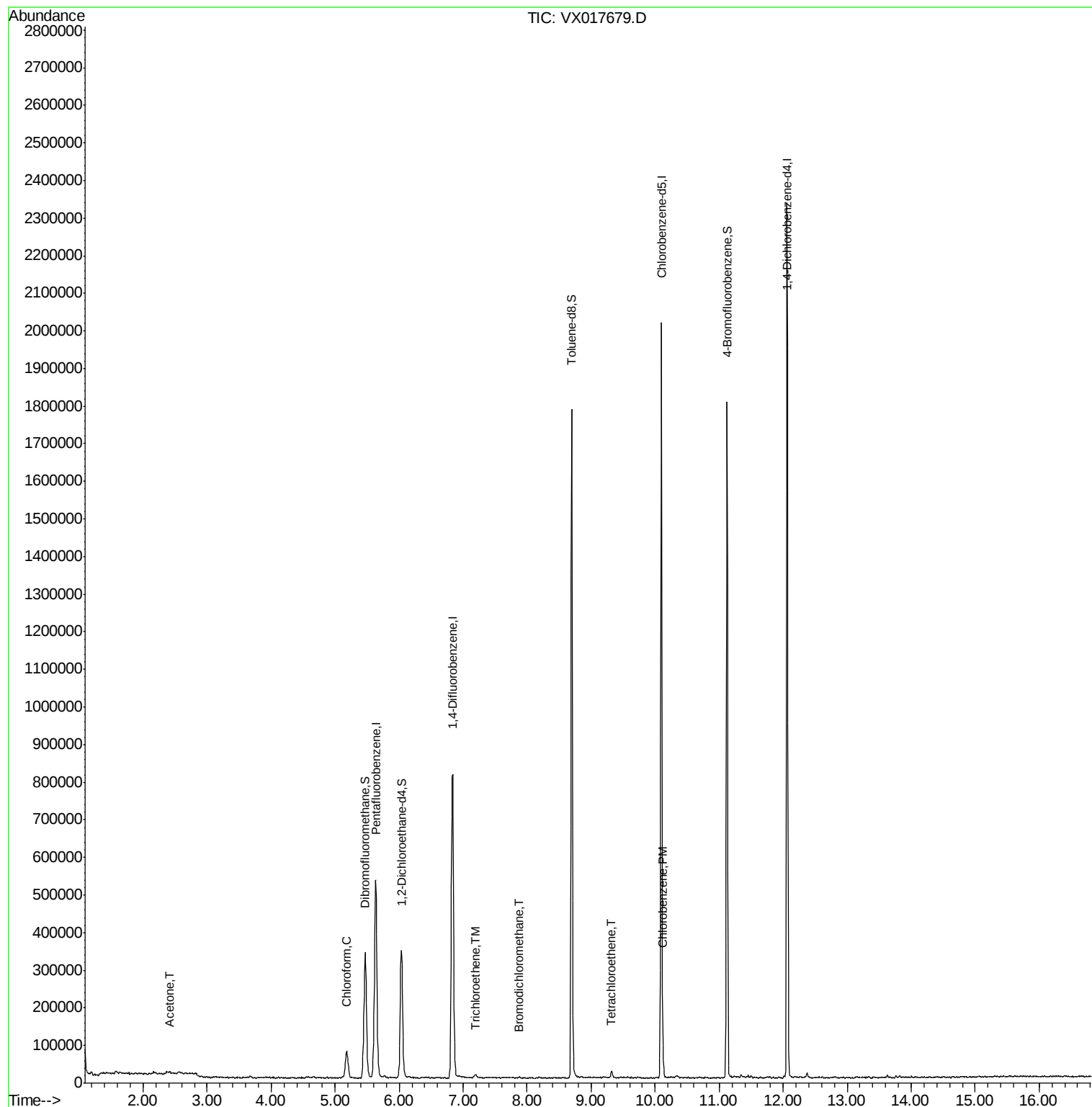
| Target Compounds         | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone              | 2.42  | 43   | 6442     | 2.282 | ug/l   | 93     |
| 30) Chloroform           | 5.18  | 83   | 88797    | 8.761 | ug/l   | 100    |
| 44) Trichloroethene      | 7.20  | 130  | 3806     | 0.566 | ug/l   | 98     |
| 47) Bromodichloromethane | 7.87  | 83   | 1983     | 0.218 | ug/l # | 71     |
| 64) Tetrachloroethene    | 9.32  | 164  | 3505     | 0.445 | ug/l # | 70     |
| 65) Chlorobenzene        | 10.12 | 112  | 19801    | 1.043 | ug/l   | 94     |

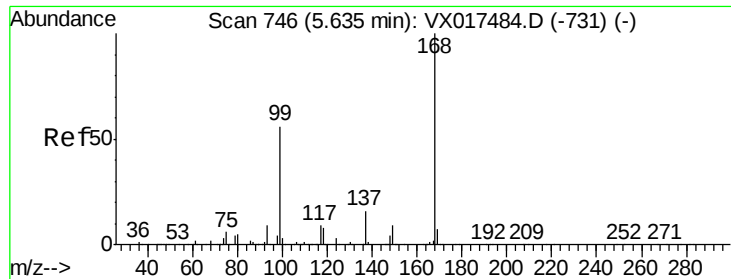
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073020\  
Data File : VX017679.D  
Acq On : 30 Jul 2020 13:17  
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Sample : L3514-03  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PK-10D

Quant Time: Jul 31 11:39:10 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

Instrument :

MSVOA\_X

ClientSampleId :

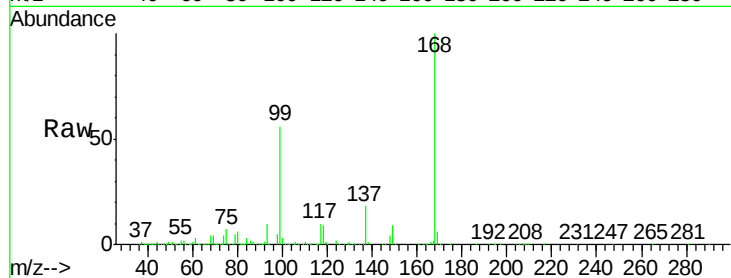
PK-10D

Tot Ion:168 Resp: 499323

Ion Ratio Lower Upper

168 100

99 55.6 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

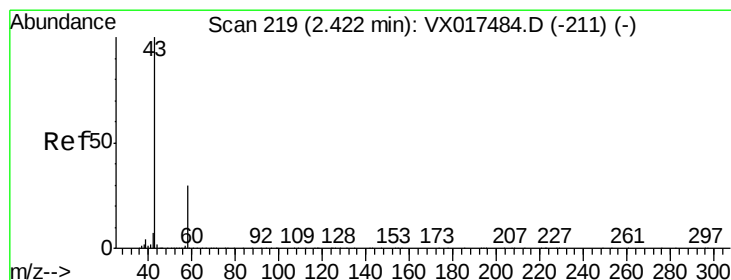
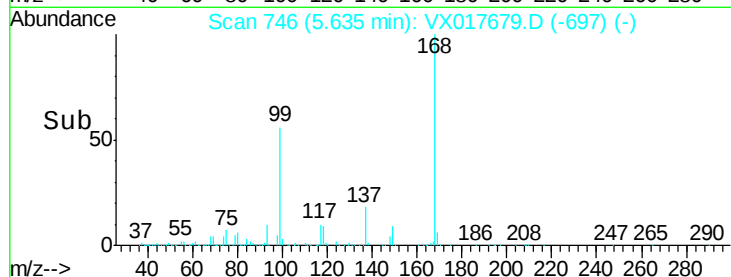
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.282 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017679.D

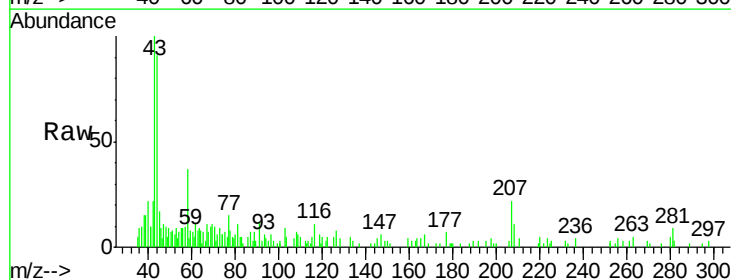
Acq: 30 Jul 2020 13:17

Tgt Ion: 43 Resp: 6442

Ion Ratio Lower Upper

43 100

58 26.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

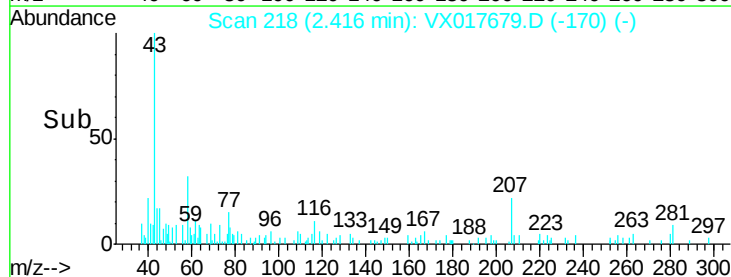
3000

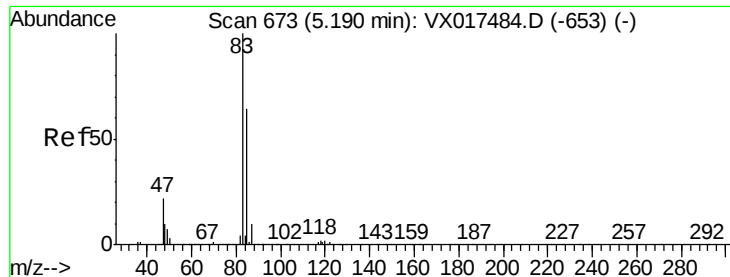
2000

1000

0

Time-->

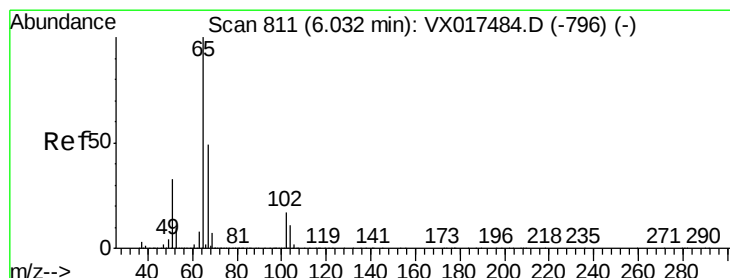
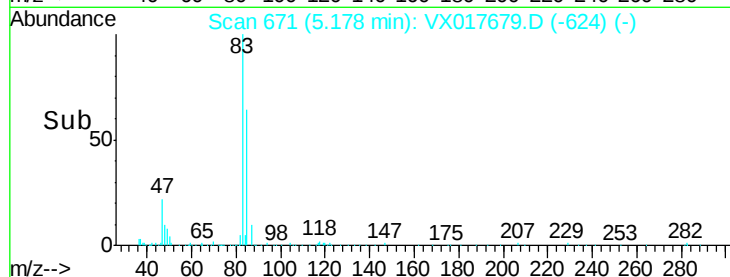
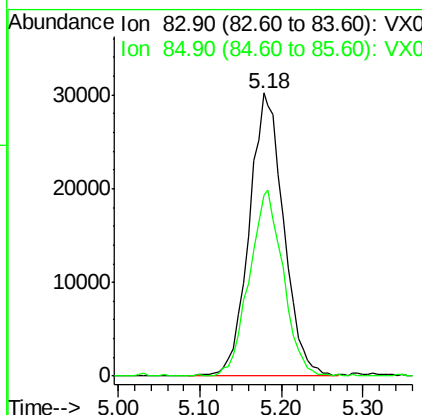
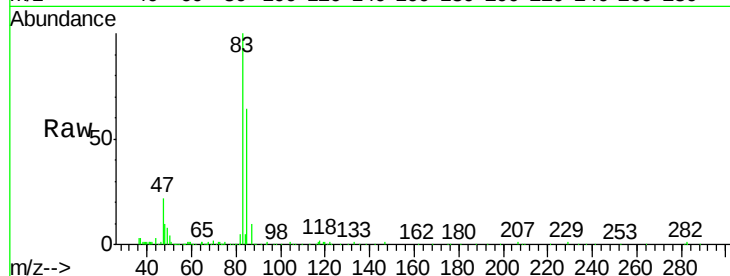




#30  
Chloroform  
Concen: 8.761 ug/l  
RT: 5.18 min Scan# 671  
Delta R.T. -0.01 min  
Lab File: VX017679.D  
Acq: 30 Jul 2020 13:17

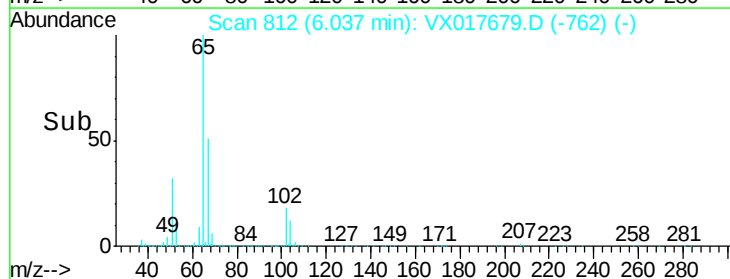
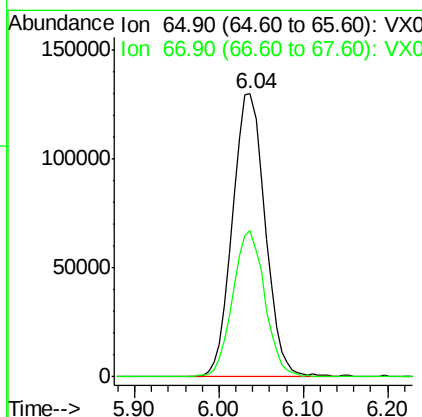
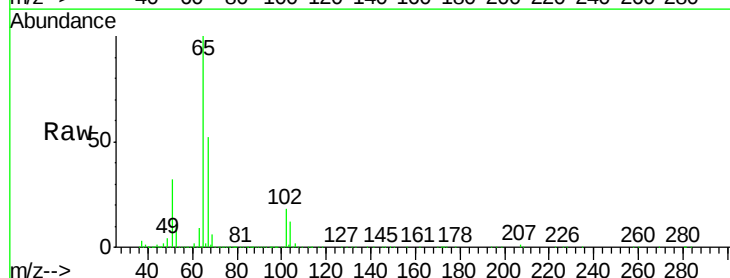
Instrument :  
MSVOA\_X  
ClientSampleId :  
PK-10D

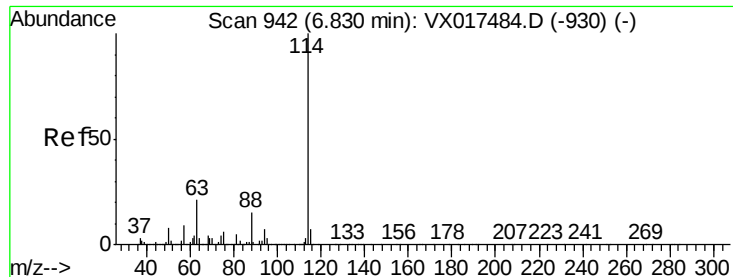
Tot Ion: 83 Resp: 88797  
Ion Ratio Lower Upper  
83 100  
85 64.0 51.4 77.2



#33  
1,2-Dichloroethane-d4  
Concen: 53.334 ug/l  
RT: 6.04 min Scan# 812  
Delta R.T. 0.01 min  
Lab File: VX017679.D  
Acq: 30 Jul 2020 13:17

Tgt Ion: 65 Resp: 342087  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

Instrument :

MSVOA\_X

ClientSampleId :

PK-10D

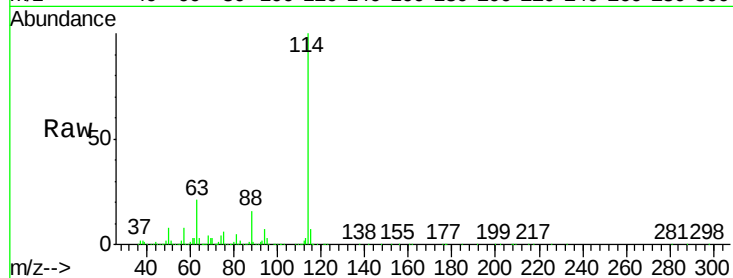
Tot Ion:114 Resp: 837525

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

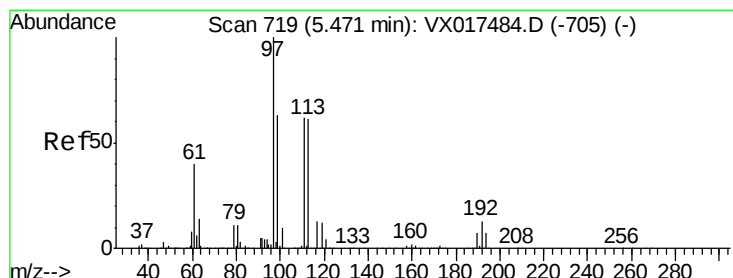
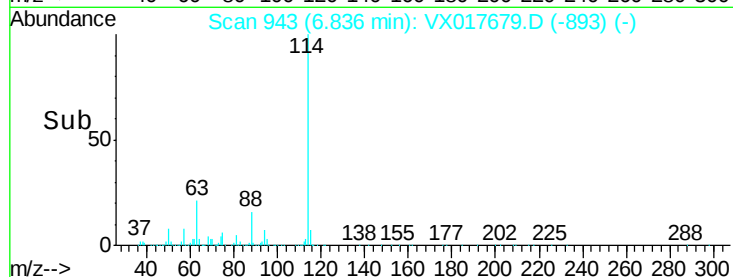
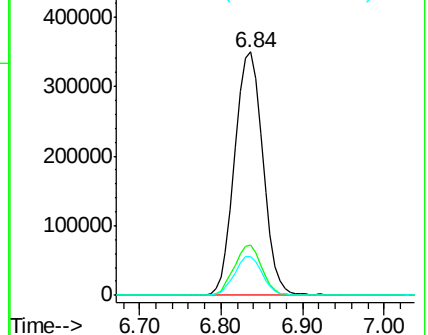
88 15.7 0.0 33.4



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: 51.230 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

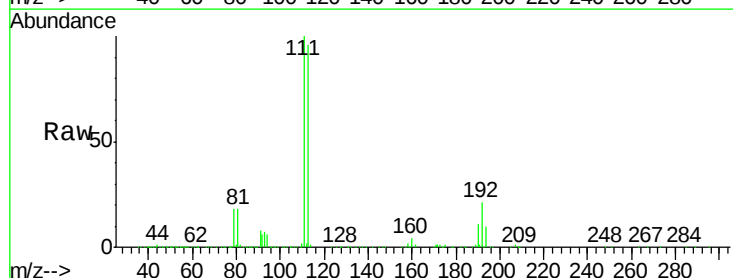
Tgt Ion:113 Resp: 286958

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

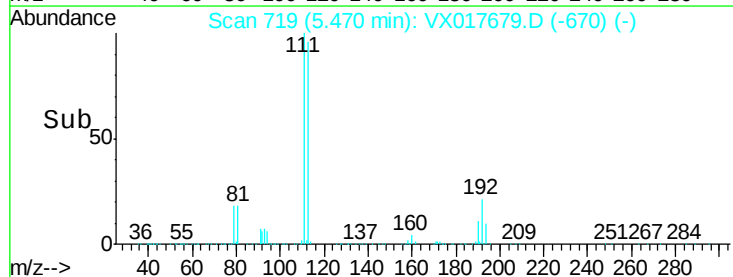
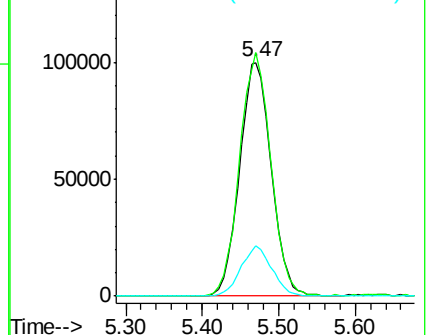
192 21.1 16.9 25.3

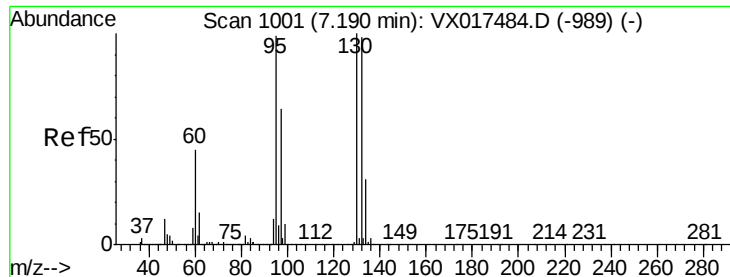


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.566 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

Instrument :

MSVOA\_X

ClientSampleId :

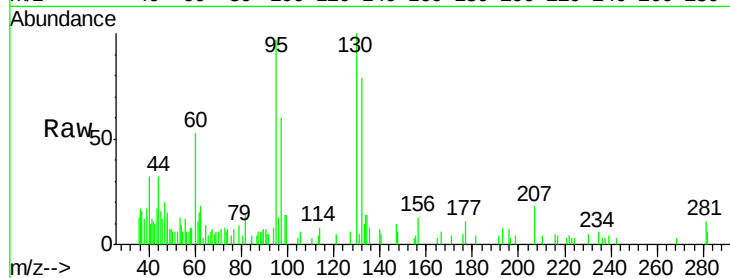
PK-10D

Tot Ion:130 Resp: 3806

Ion Ratio Lower Upper

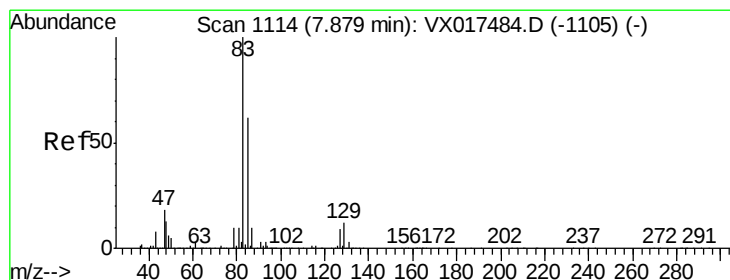
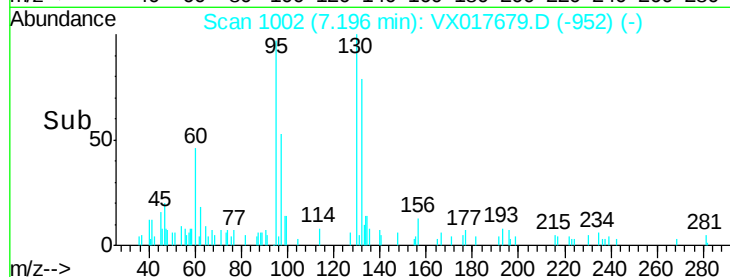
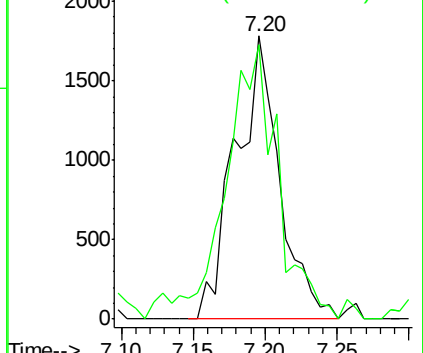
130 100

95 96.8 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#47

Bromodichloromethane

Concen: 0.218 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

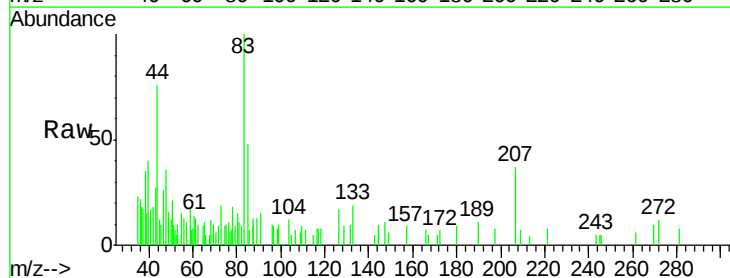
Tgt Ion: 83 Resp: 1983

Ion Ratio Lower Upper

83 100

85 40.5 51.8 77.8#

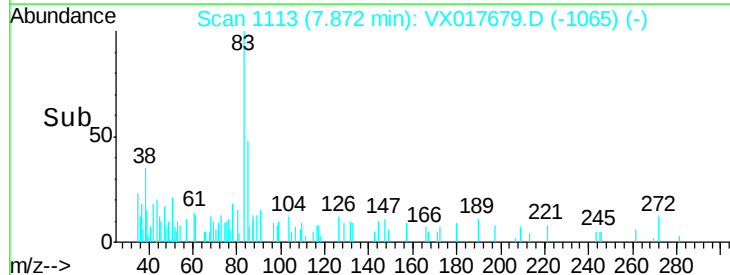
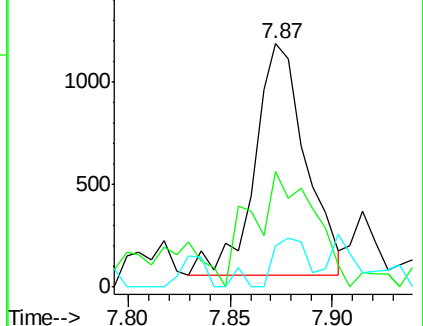
127 4.7 7.4 11.2#

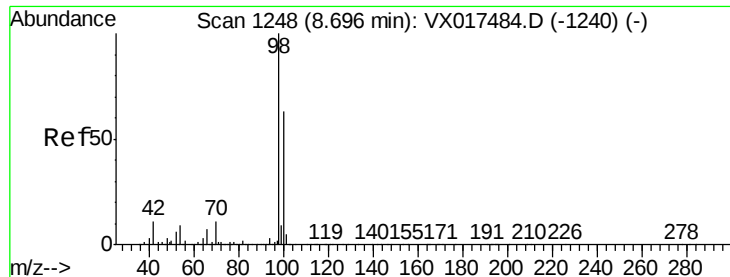


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 51.330 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

Instrument :

MSVOA\_X

ClientSampleId :

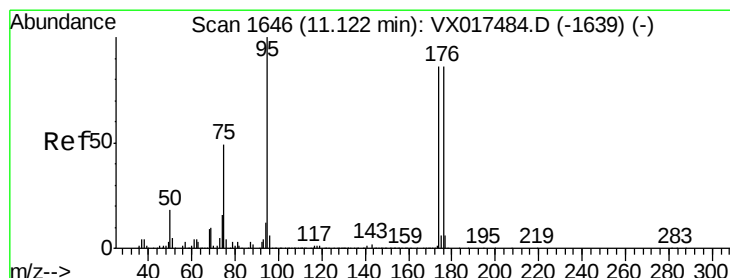
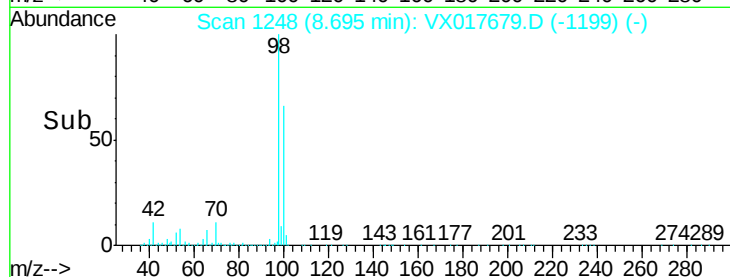
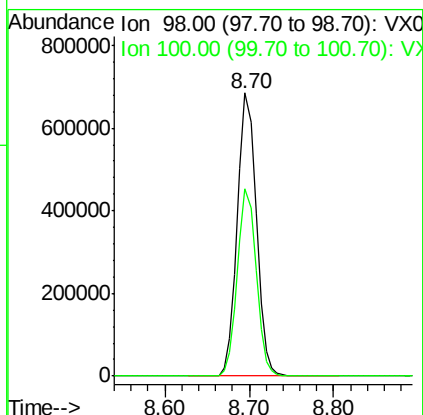
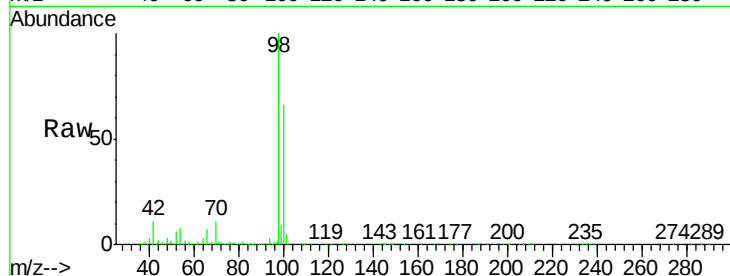
PK-10D

Tot Ion: 98 Resp: 1037218

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 55.384 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

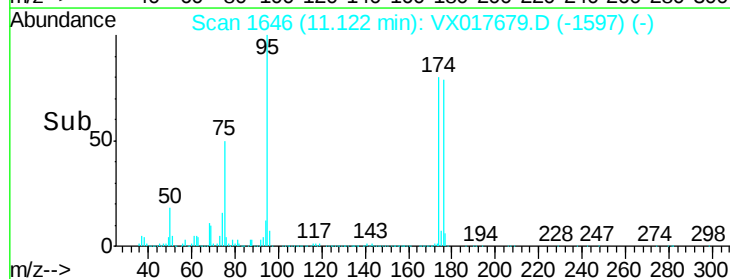
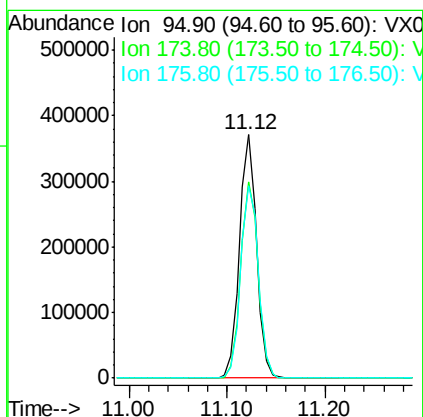
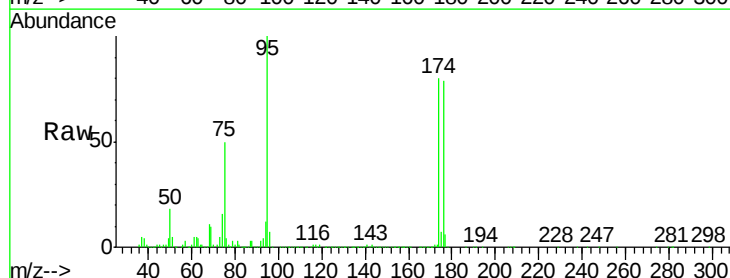
Tgt Ion: 95 Resp: 447887

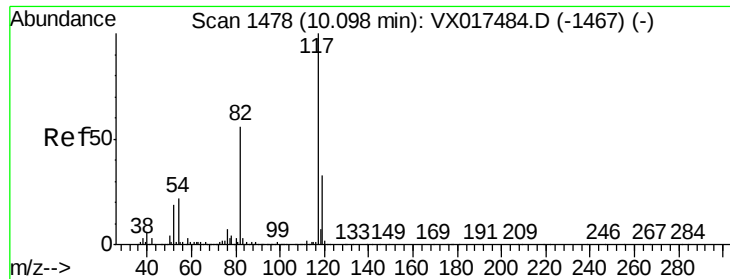
Ion Ratio Lower Upper

95 100

174 82.8 0.0 169.0

176 82.5 0.0 161.0

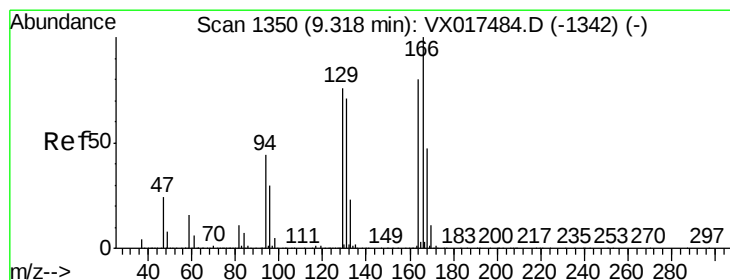
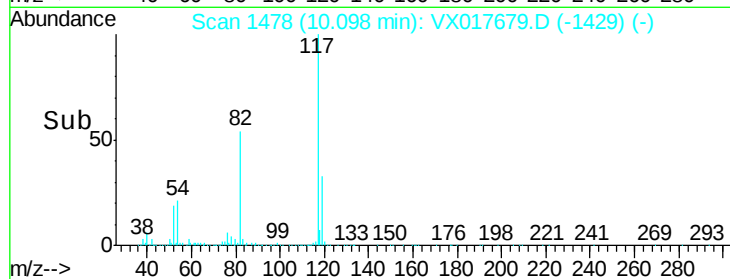
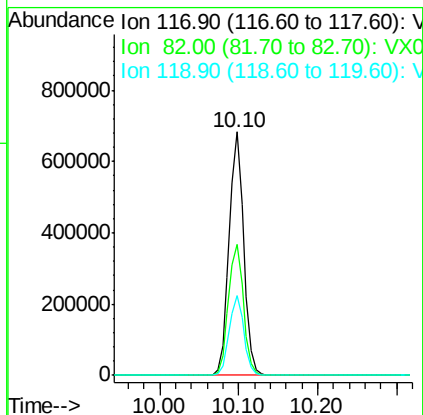
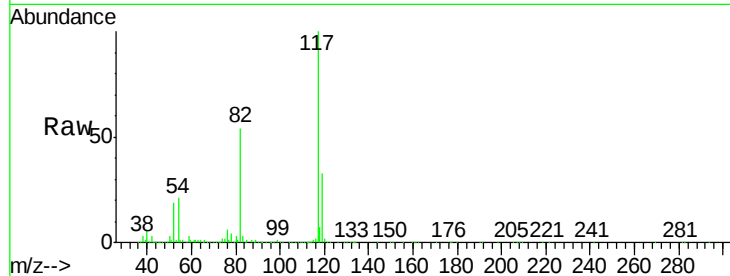




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017679.D  
Acq: 30 Jul 2020 13:17

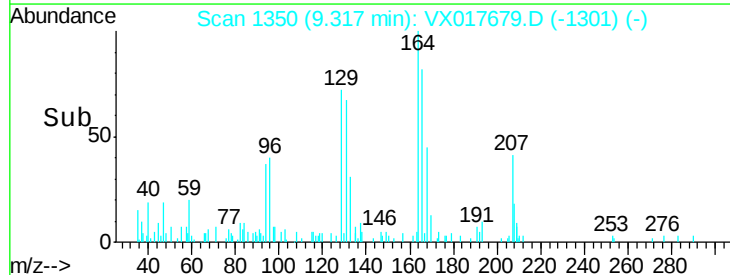
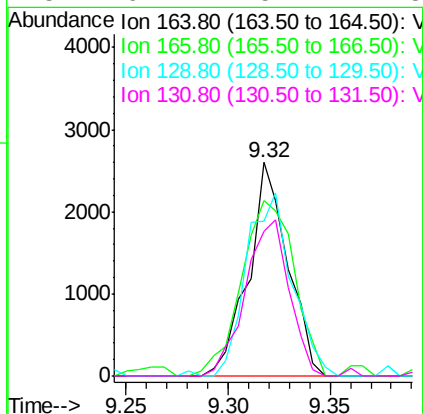
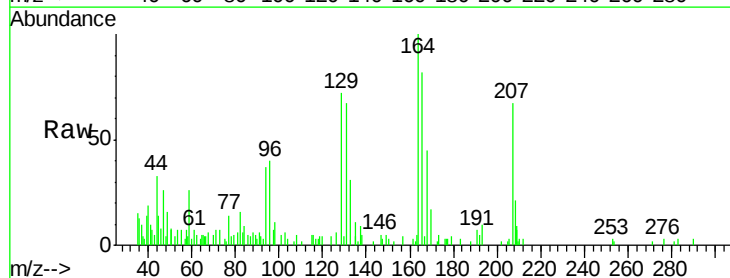
Instrument :  
MSVOA\_X  
ClientSampleId :  
PK-10D

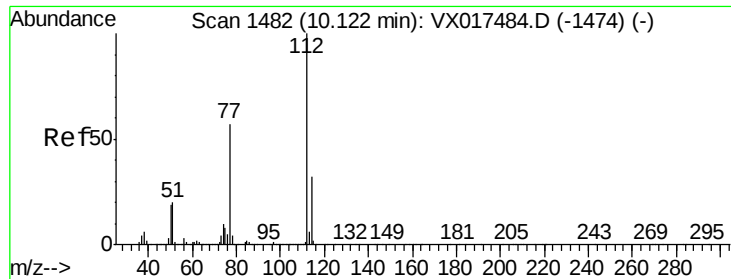
Tot Ion:117 Resp: 877470  
Ion Ratio Lower Upper  
117 100  
82 53.9 44.0 66.0  
119 32.5 25.4 38.0



#64  
Tetrachloroethene  
Concen: 0.445 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX017679.D  
Acq: 30 Jul 2020 13:17

Tgt Ion:164 Resp: 3505  
Ion Ratio Lower Upper  
164 100  
166 82.2 100.6 150.8#  
129 72.4 75.0 112.6#  
131 67.4 75.2 112.8#





#65

Chlorobenzene

Concen: 1.043 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

Instrument :

MSVOA\_X

ClientSampleId :

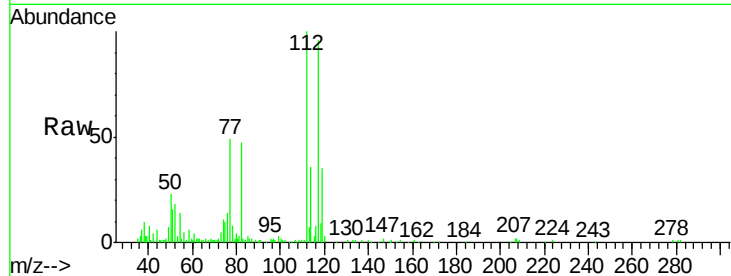
PK-10D

Tot Ion:112 Resp: 19801

Ion Ratio Lower Upper

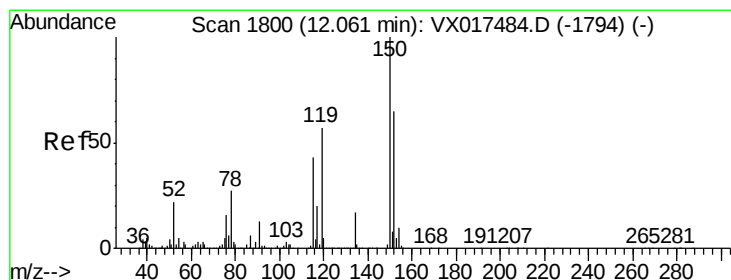
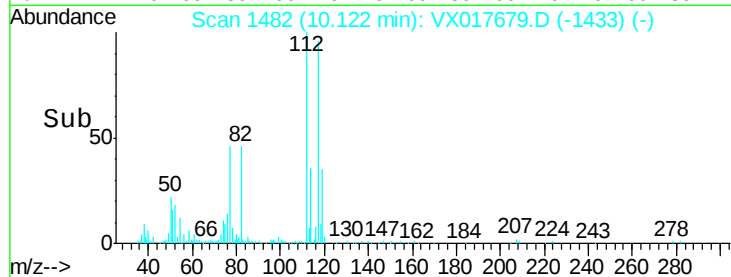
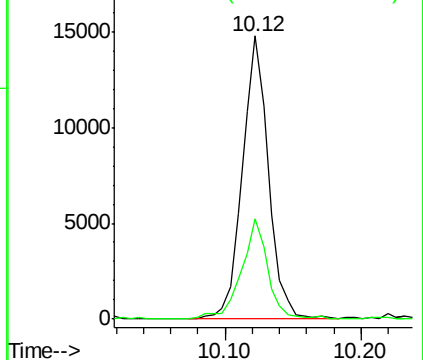
112 100

114 35.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017679.D

Acq: 30 Jul 2020 13:17

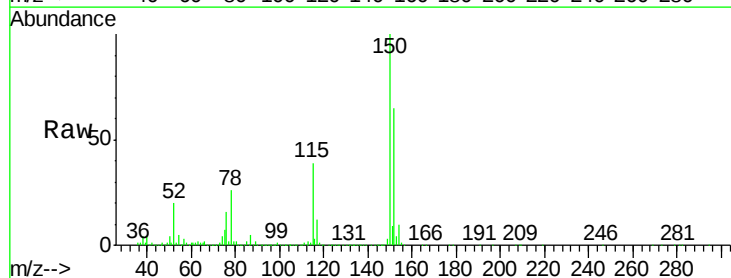
Tgt Ion:152 Resp: 472689

Ion Ratio Lower Upper

152 100

115 58.8 65.5 196.6#

150 158.5 0.0 412.6



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

