

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\  
 Data File : VX018172.D  
 Acq On : 01 Sep 2020 01:47  
 Operator : JC/SP  
 Sample : L3828-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BS-2

Quant Time: Sep 01 07:30:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 446631   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 727159   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 715225   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 326758   | 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   | 325704   | 52.53 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 105.06% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 252950   | 51.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.16% |          |
| 50) Toluene-d8              | 8.70  | 98   | 928855   | 50.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.72% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 336378   | 46.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 92.70%  |          |

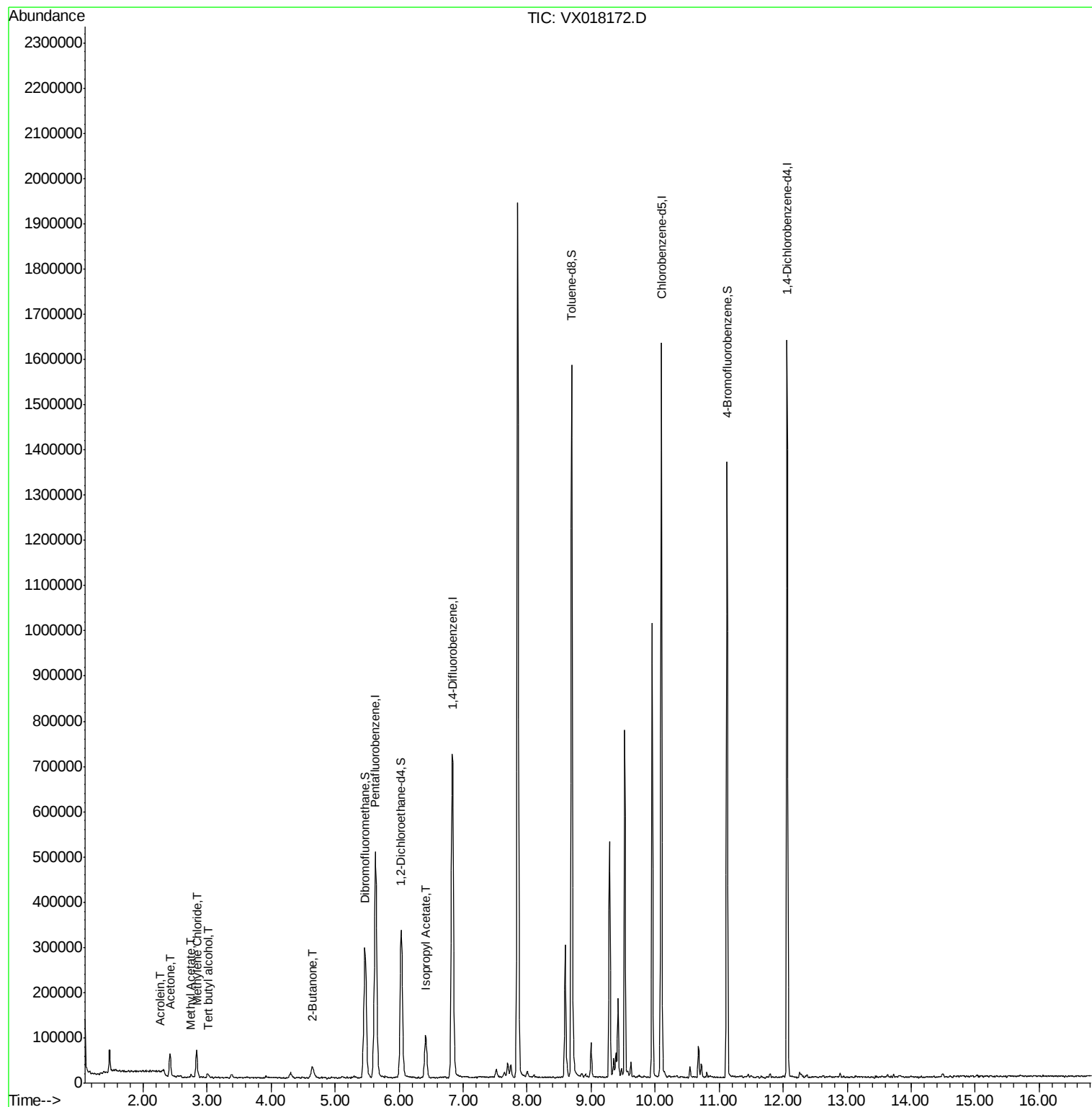
| Target Compounds       | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|------------------------|------|------|----------|--------|--------|--------|
| 11) Tert butyl alcohol | 3.02 | 59   | 8715     | 7.229  | ug/l   | 99     |
| 13) Acrolein           | 2.27 | 56   | 275      | 0.550  | ug/l # | 77     |
| 16) Acetone            | 2.42 | 43   | 57021    | 23.601 | ug/l   | 94     |
| 18) Methyl Acetate     | 2.75 | 43   | 7465     | 1.280  | ug/l # | 83     |
| 20) Methylene Chloride | 2.84 | 84   | 28645    | 4.741  | ug/l   | 95     |
| 25) 2-Butanone         | 4.64 | 43   | 36977    | 9.313  | ug/l   | 97     |
| 43) Isopropyl Acetate  | 6.42 | 43   | 129465   | 10.290 | ug/l   | 99     |

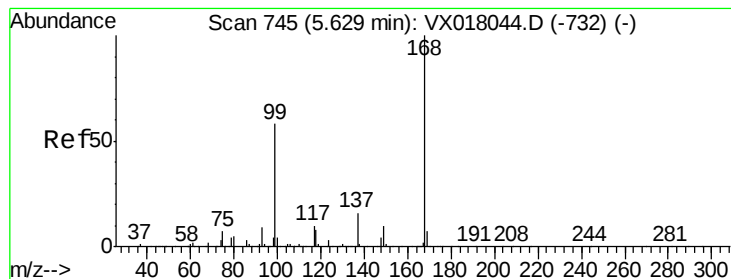
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\  
Data File : VX018172.D  
Acq On : 01 Sep 2020 01:47  
Operator : JC/SP  
Sample : L3828-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
BS-2

Quant Time: Sep 01 07:30:38 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 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: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampled :

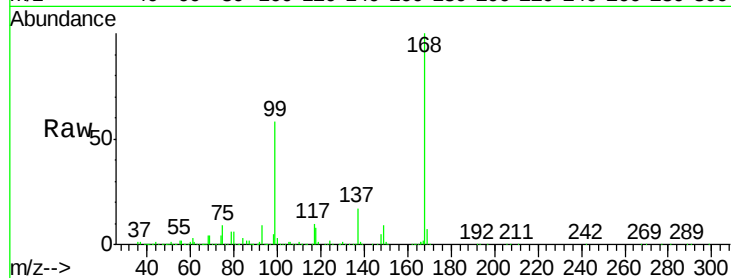
BS-2

Tot Ion:168 Resp: 446631

Ion Ratio Lower Upper

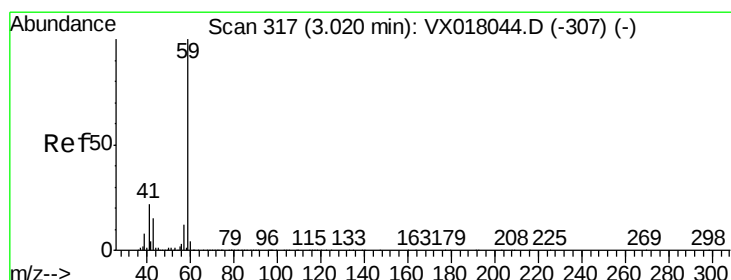
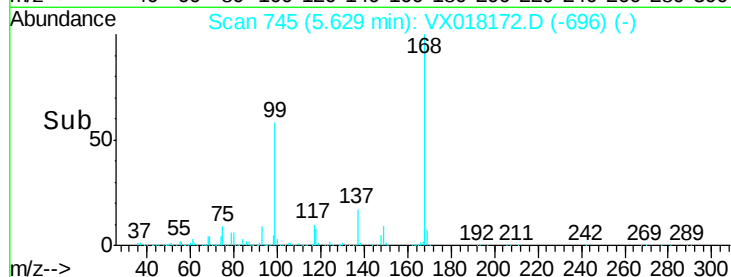
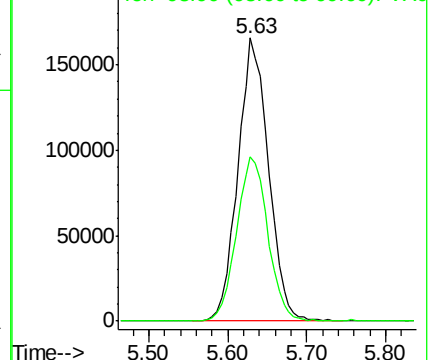
168 100

99 58.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 7.229 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX018172.D

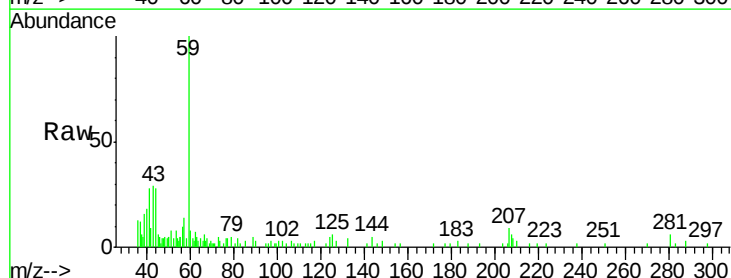
Acq: 01 Sep 2020 01:47

Tgt Ion: 59 Resp: 8715

Ion Ratio Lower Upper

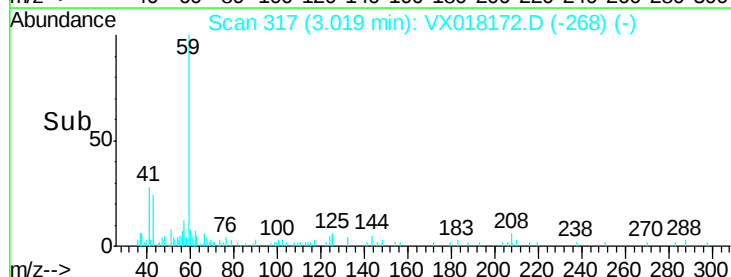
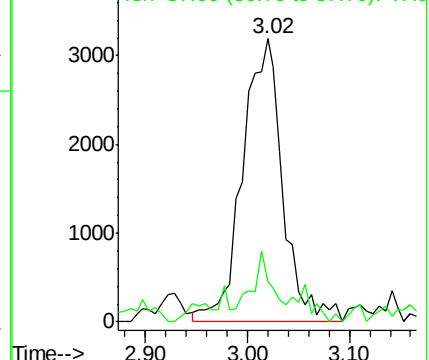
59 100

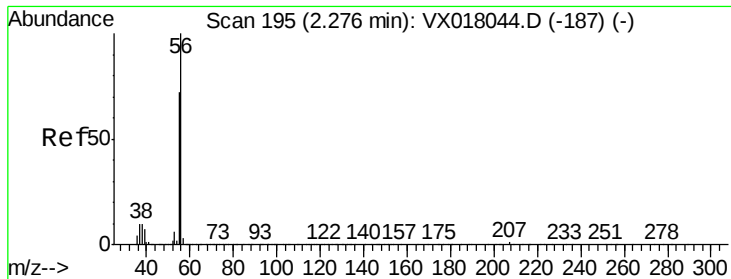
57 10.9 8.9 13.3



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.550 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampled :

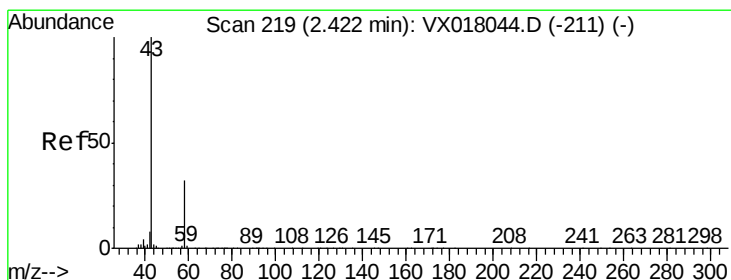
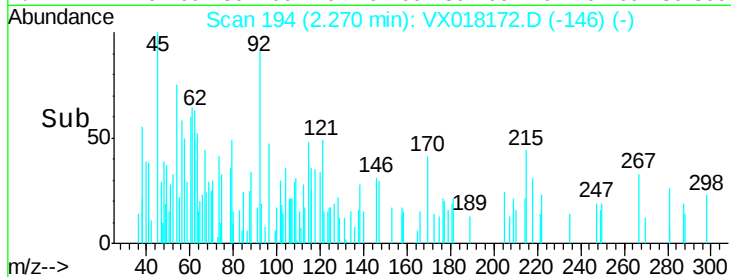
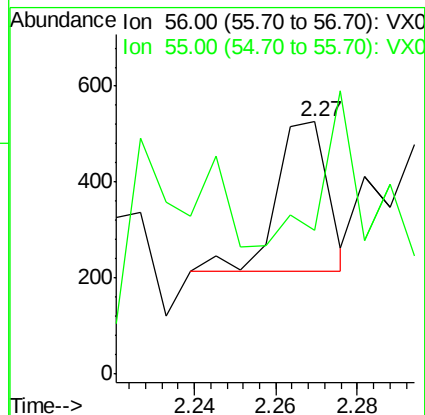
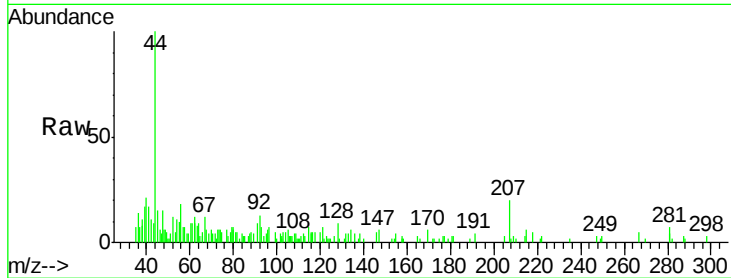
BS-2

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 90.2 57.0 85.6#



#16

Acetone

Concen: 23.601 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018172.D

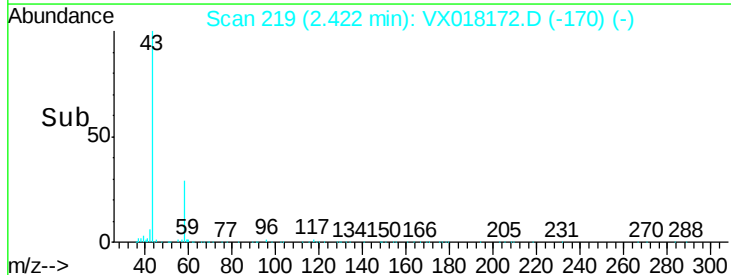
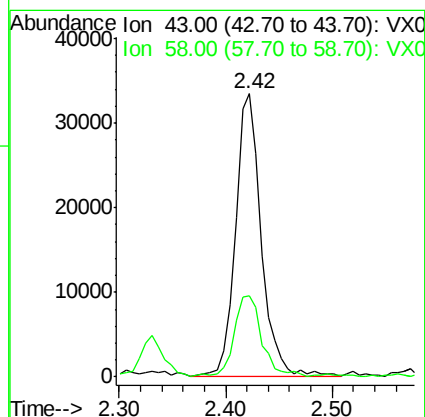
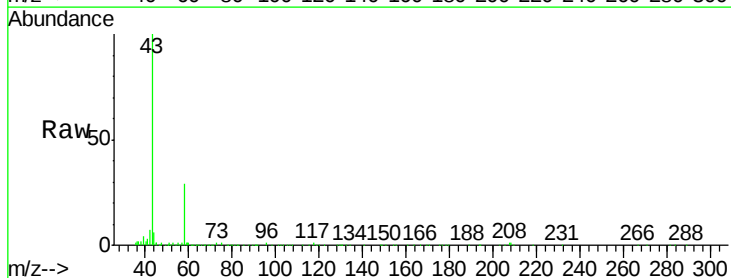
Acq: 01 Sep 2020 01:47

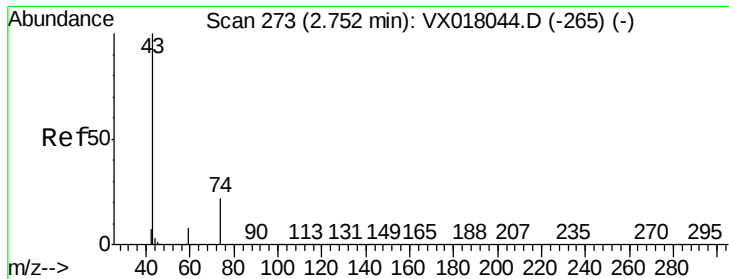
Tgt Ion: 43 Resp: 57021

Ion Ratio Lower Upper

43 100

58 28.6 25.5 38.3

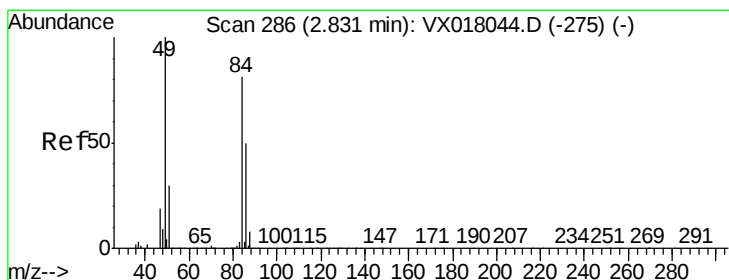
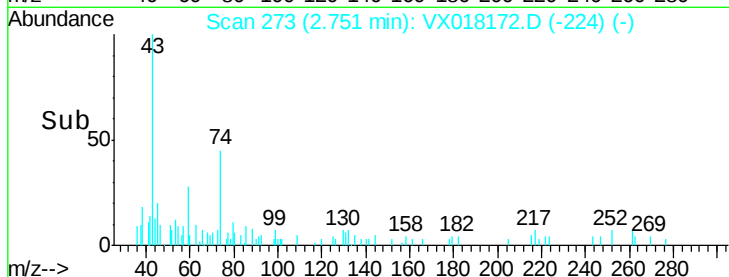
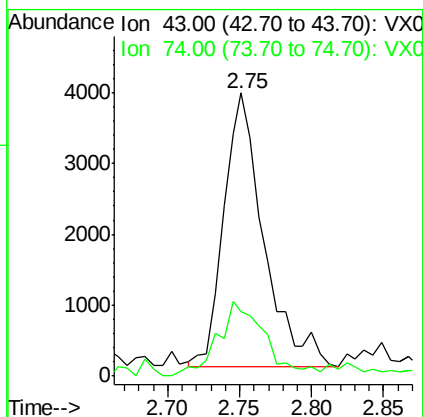
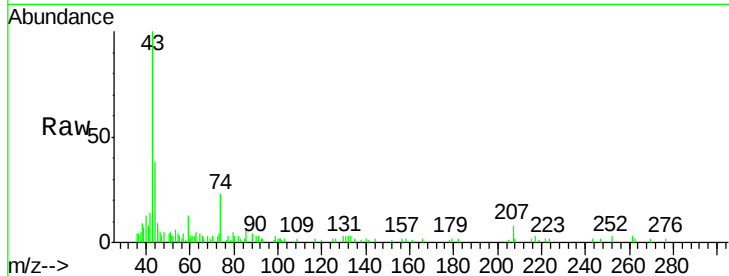




#18  
Methyl Acetate  
Concen: 1.280 ug/l  
RT: 2.75 min Scan# 273  
Delta R.T. -0.00 min  
Lab File: VX018172.D  
Acq: 01 Sep 2020 01:47

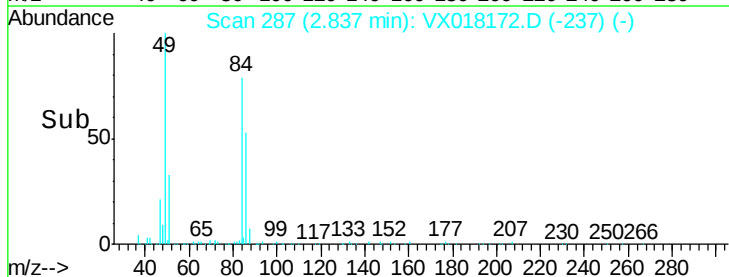
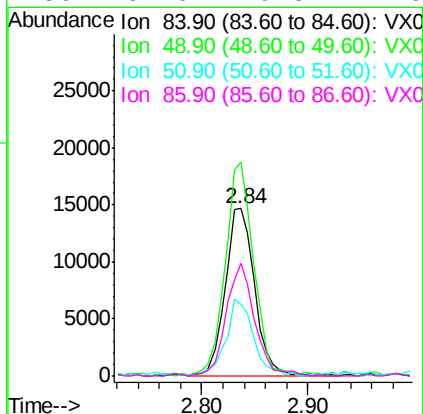
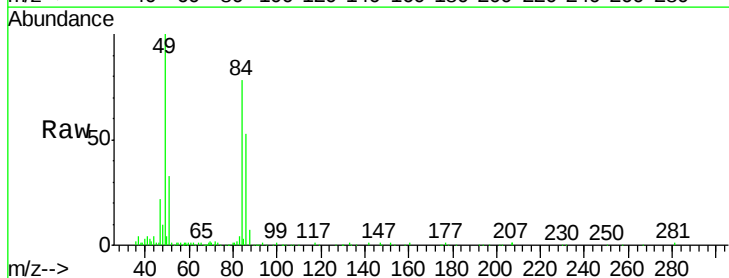
Instrument :  
MSVOA\_X  
ClientSampleId :  
BS-2

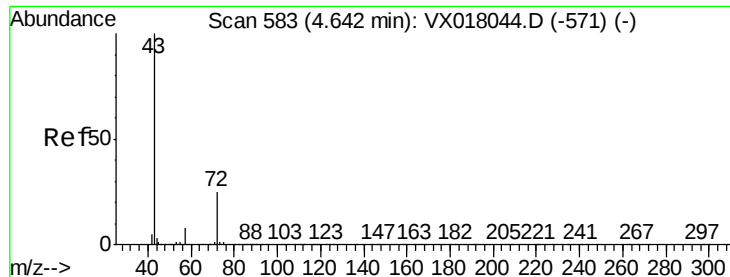
Tot Ion: 43 Resp: 7465  
Ion Ratio Lower Upper  
43 100  
74 31.0 18.2 27.4#



#20  
Methylene Chloride  
Concen: 4.741 ug/l  
RT: 2.84 min Scan# 287  
Delta R.T. 0.01 min  
Lab File: VX018172.D  
Acq: 01 Sep 2020 01:47

Tgt Ion: 84 Resp: 28645  
Ion Ratio Lower Upper  
84 100  
49 126.6 98.6 148.0  
51 41.6 29.6 44.4  
86 67.6 49.8 74.6





#25

2-Butanone

Concen: 9.313 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampled :

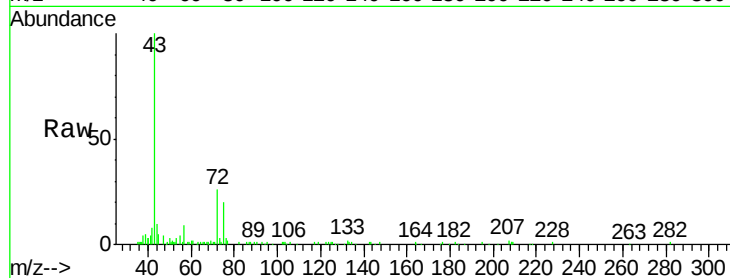
BS-2

Tot Ion: 43 Resp: 36977

Ion Ratio Lower Upper

43 100

72 26.0 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

15000

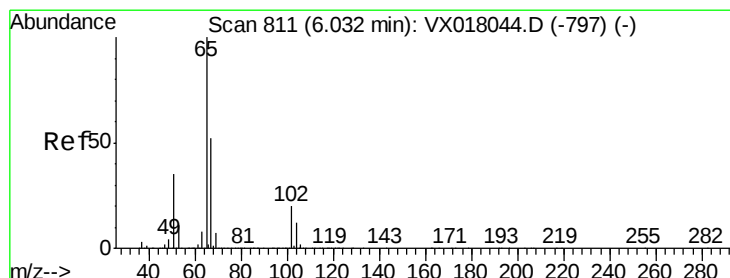
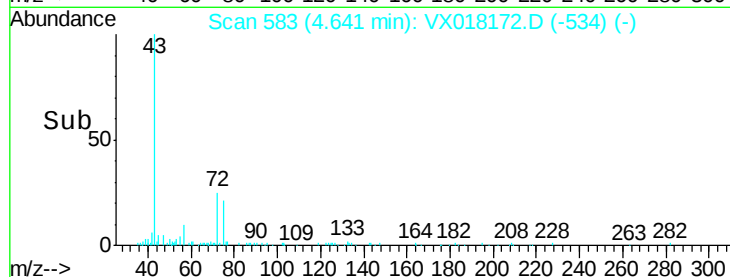
10000

5000

0

4.50 4.60 4.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.530 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018172.D

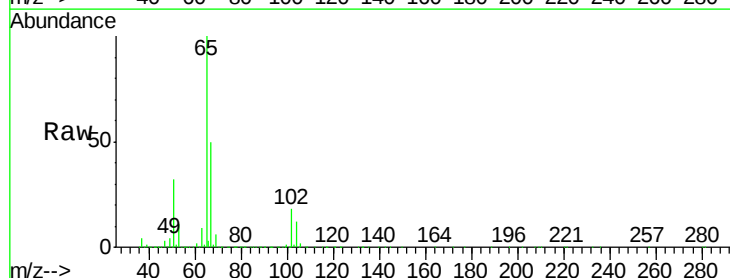
Acq: 01 Sep 2020 01:47

Tgt Ion: 65 Resp: 325704

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

15000

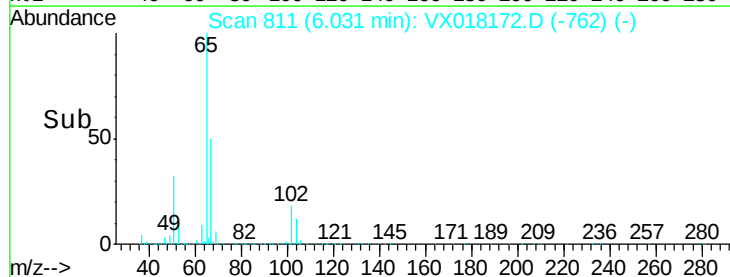
10000

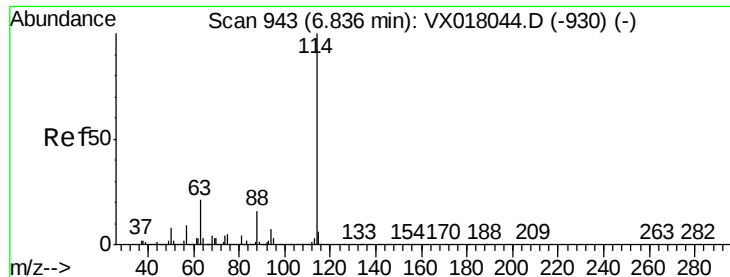
5000

0

5.90 6.00 6.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampleId :

BS-2

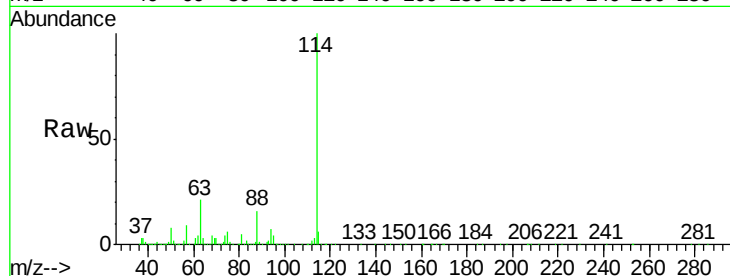
Tot Ion:114 Resp: 727159

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

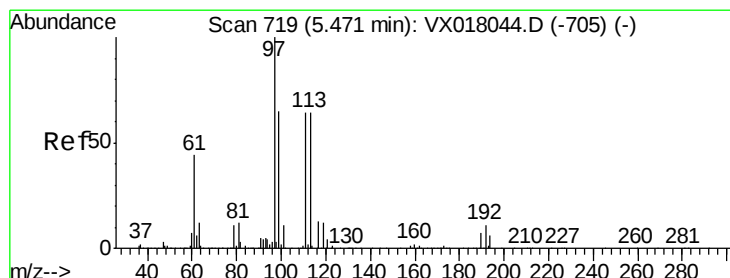
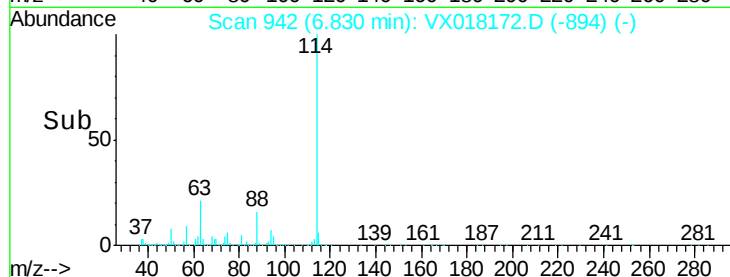
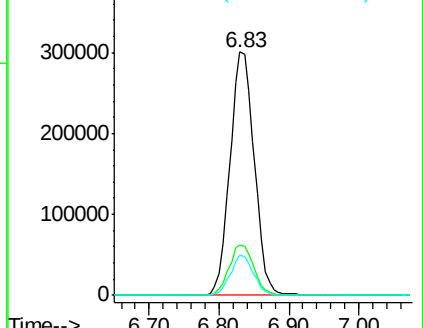
88 16.4 0.0 31.8



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: 51.077 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

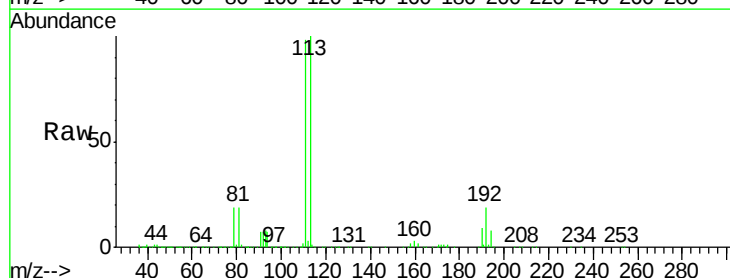
Tgt Ion:113 Resp: 252950

Ion Ratio Lower Upper

113 100

111 101.1 81.6 122.4

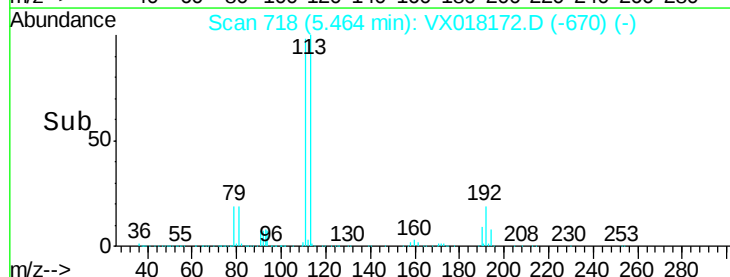
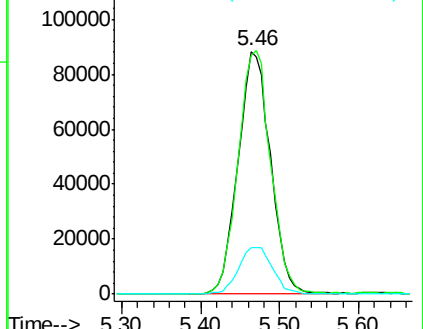
192 20.3 15.8 23.8

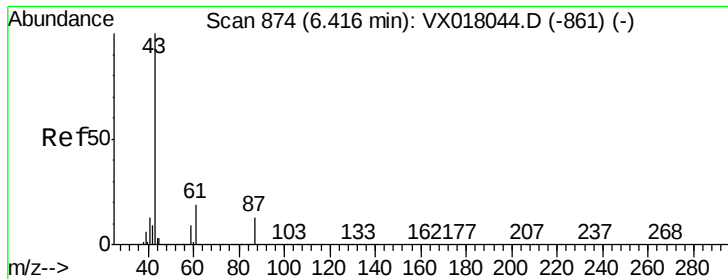


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



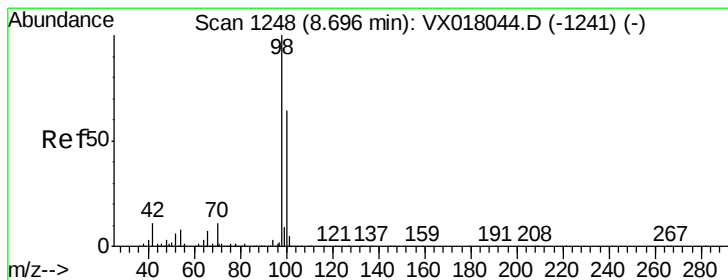
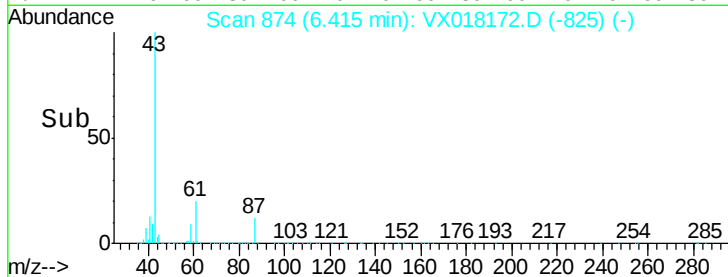
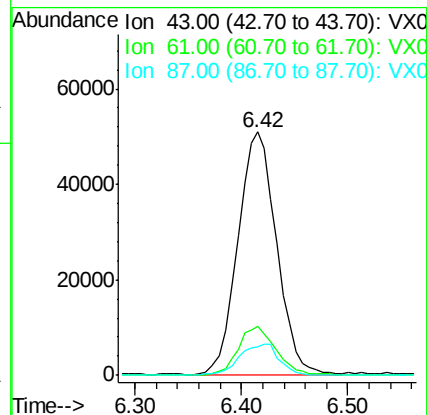
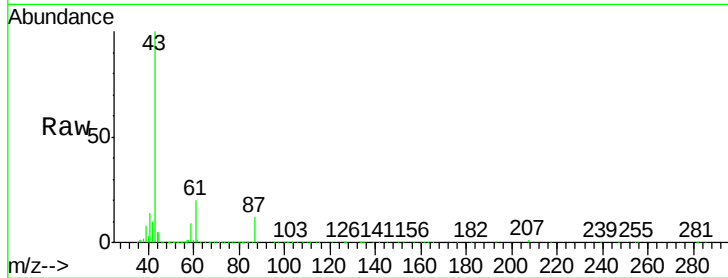


#43

Isopropyl Acetate  
 Concen: 10.290 ug/l  
 RT: 6.42 min Scan# 874  
 Delta R.T. -0.00 min  
 Lab File: VX018172.D  
 Acq: 01 Sep 2020 01:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BS-2

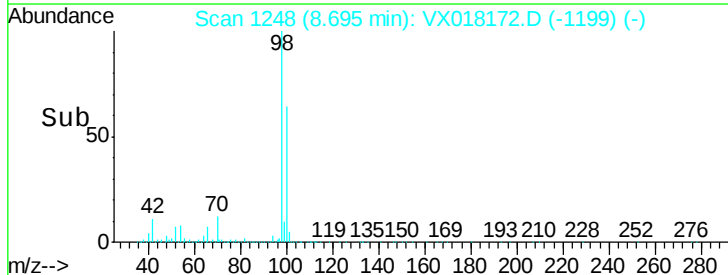
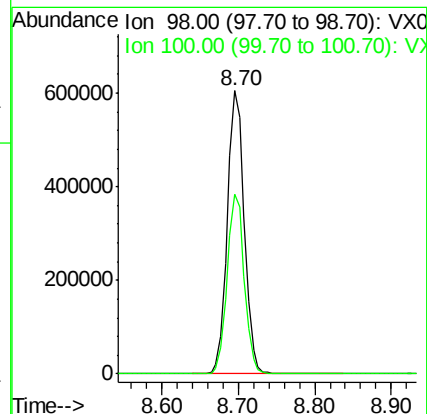
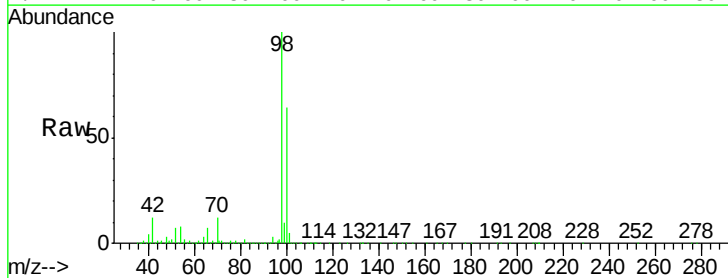
| Tot Ion   | 43    | Resp  | 129465 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 19.7  | 15.7  | 23.5   |
| 87        | 13.4  | 10.3  | 15.5   |

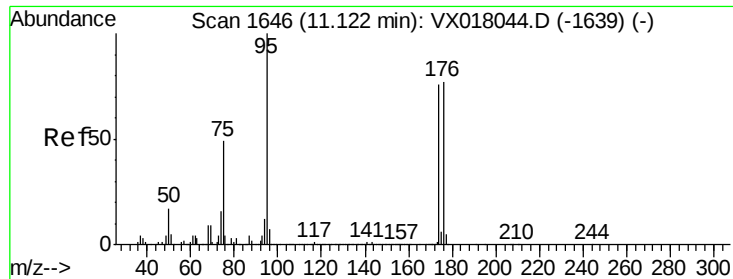


#50

Toluene-d8  
 Concen: 50.358 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX018172.D  
 Acq: 01 Sep 2020 01:47

| Tgt Ion   | 98    | Resp  | 928855 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.8  | 52.2  | 78.4   |





#62

4-Bromofluorobenzene

Concen: 46.352 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampled :

BS-2

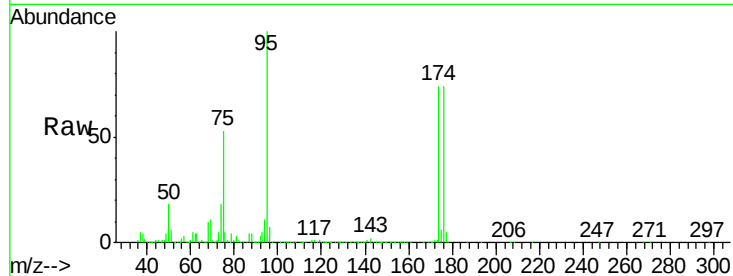
Tot Ion: 95 Resp: 336378

Ion Ratio Lower Upper

95 100

174 80.1 0.0 160.2

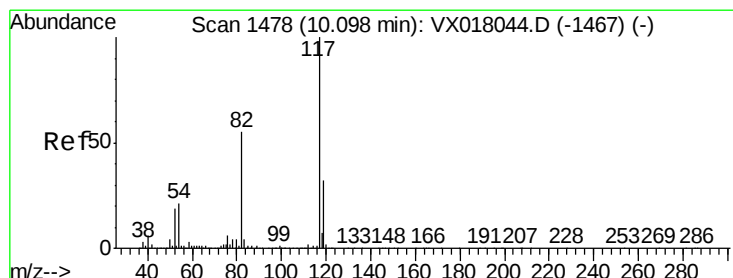
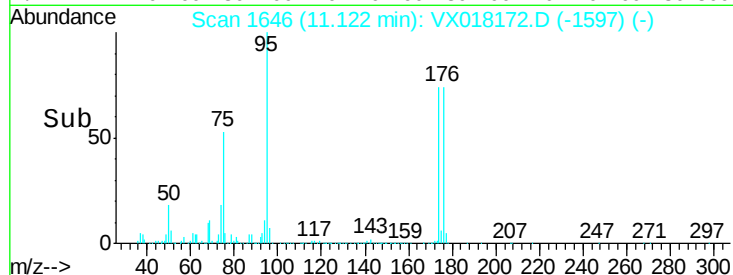
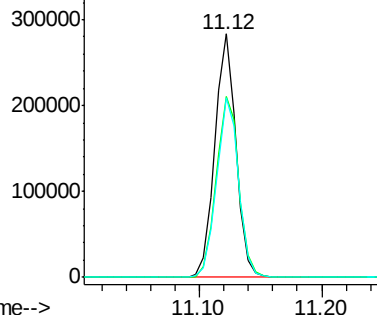
176 77.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018044.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018044.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018044.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

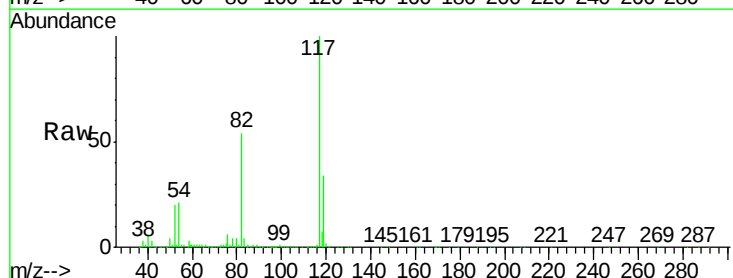
Tgt Ion: 117 Resp: 715225

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

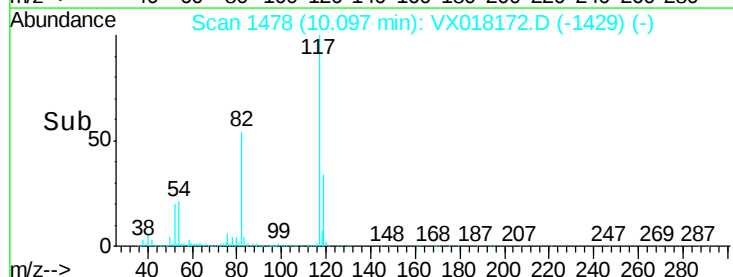
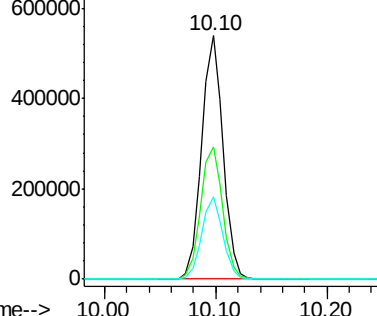
119 34.0 25.7 38.5

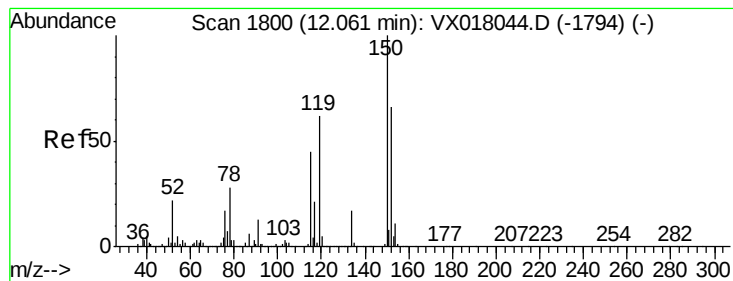


Abundance Ion 116.90 (116.60 to 117.60): VX018044.D (-1467) (-)

Ion 82.00 (81.70 to 82.70): VX018044.D (-1467) (-)

Ion 118.90 (118.60 to 119.60): VX018044.D (-1467) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018172.D

Acq: 01 Sep 2020 01:47

Instrument :

MSVOA\_X

ClientSampleId :

BS-2

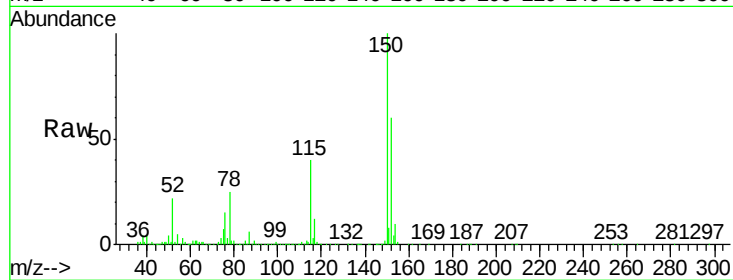
Tot Ion:152 Resp: 326758

Ion Ratio Lower Upper

152 100

115 61.5 41.5 124.5

150 161.0 0.0 343.8



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

