

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\  
 Data File : VX016187.D  
 Acq On : 13 May 2020 18:07  
 Operator : JC/SP  
 Sample : L2626-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW727-200512

Quant Time: May 14 07:12:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 270436   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 449063   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 442345   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 229151   | 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   | 168556   | 47.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.74%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 134838   | 47.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.78%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 559809   | 51.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.14% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 223037   | 53.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.98% |          |

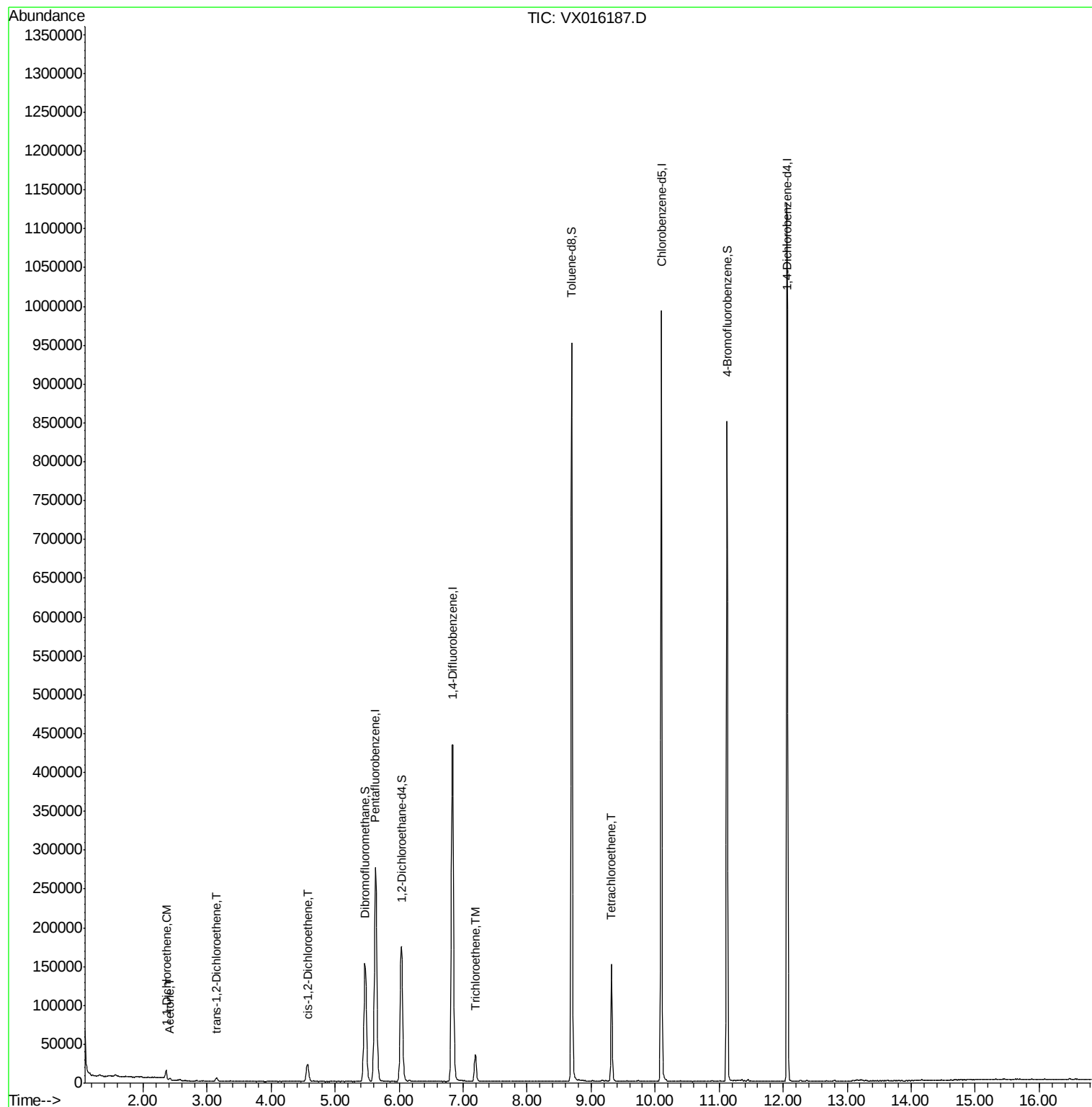
| Target Compounds             | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------------|------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene       | 2.36 | 96   | 3754     | 1.335 | ug/l   | 92     |
| 16) Acetone                  | 2.42 | 43   | 2619     | 1.649 | ug/l # | 84     |
| 21) trans-1,2-Dichloroethene | 3.15 | 96   | 2003     | 0.639 | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene   | 4.56 | 96   | 14393    | 4.203 | ug/l   | 89     |
| 44) Trichloroethene          | 7.19 | 130  | 13094    | 2.850 | ug/l   | 99     |
| 64) Tetrachloroethene        | 9.32 | 164  | 29667    | 5.463 | ug/l   | 97     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051320\  
Data File : VX016187.D  
Acq On : 13 May 2020 18:07  
Operator : JC/SP  
Sample : L2626-04  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW727-200512

Quant Time: May 14 07:12:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 06 06:43:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

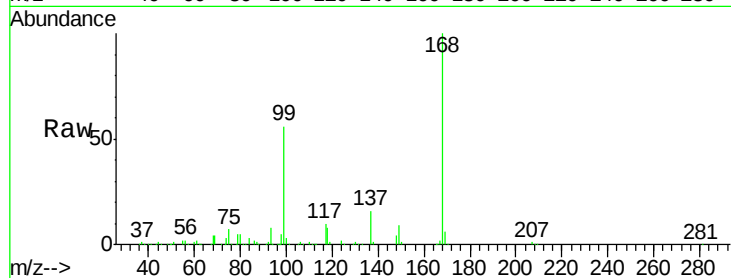
SS052MW727-200512

Tot Ion:168 Resp: 270436

Ion Ratio Lower Upper

168 100

99 56.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

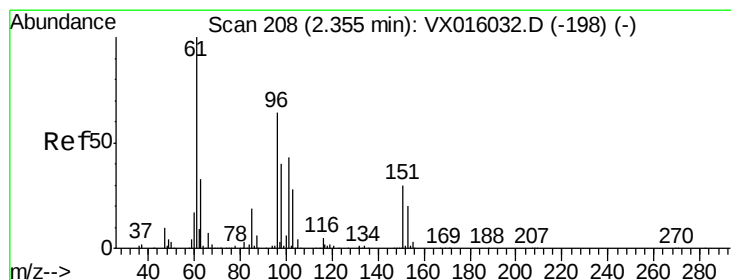
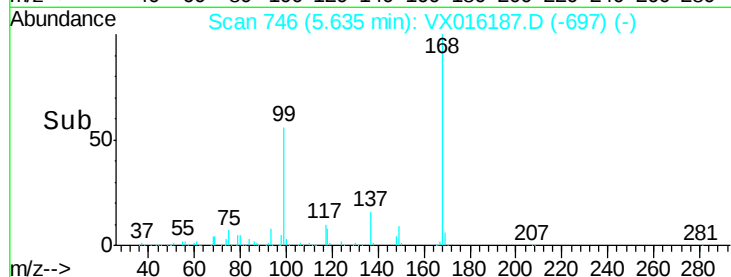
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.335 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

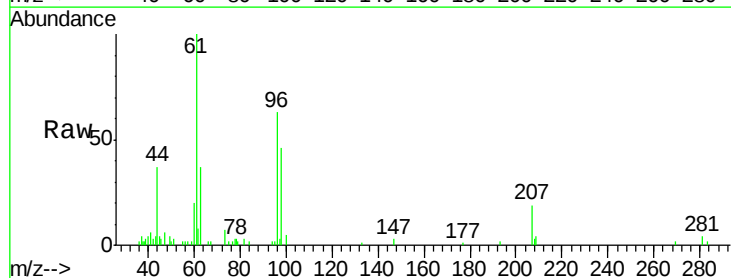
Tgt Ion: 96 Resp: 3754

Ion Ratio Lower Upper

96 100

61 162.7 124.8 187.2

98 74.1 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

5000

4000

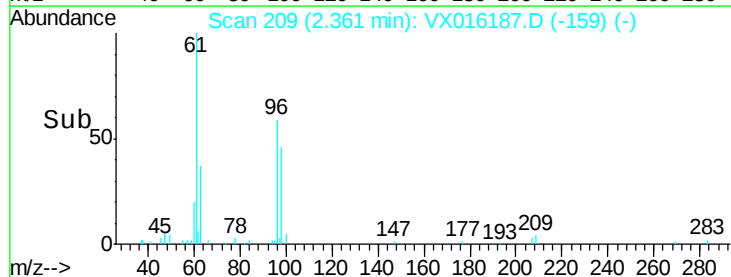
3000

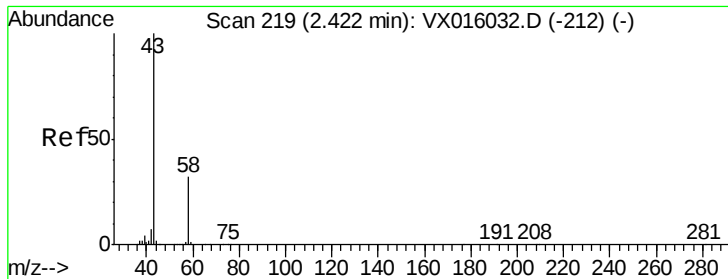
2000

1000

0

Time-->





#16

Acetone

Concen: 1.649 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

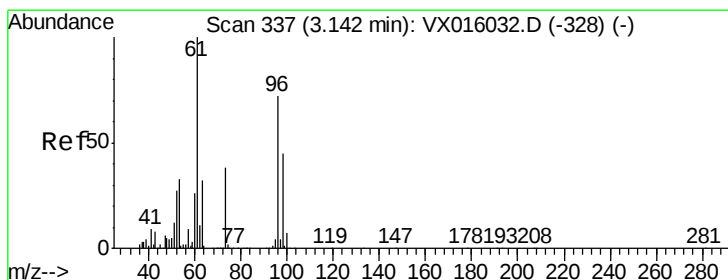
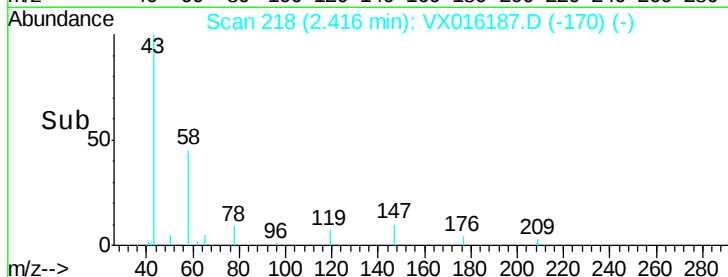
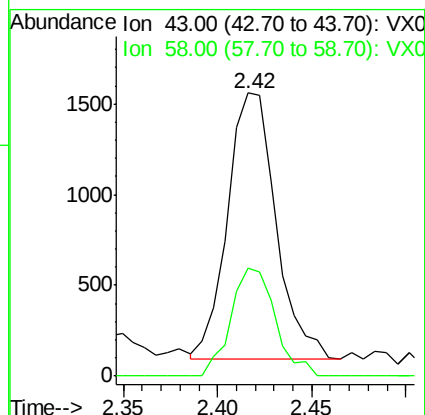
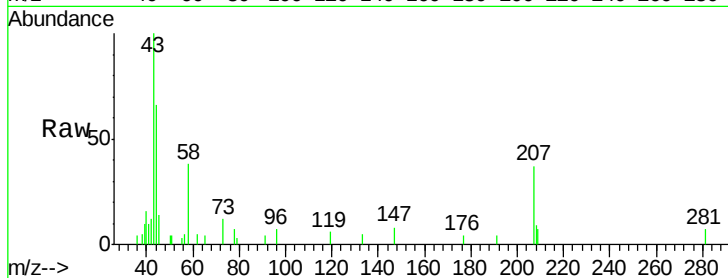
SS052MW727-200512

Tot Ion: 43 Resp: 2619

Ion Ratio Lower Upper

43 100

58 40.7 25.4 38.0#



#21

trans-1,2-Dichloroethene

Concen: 0.639 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

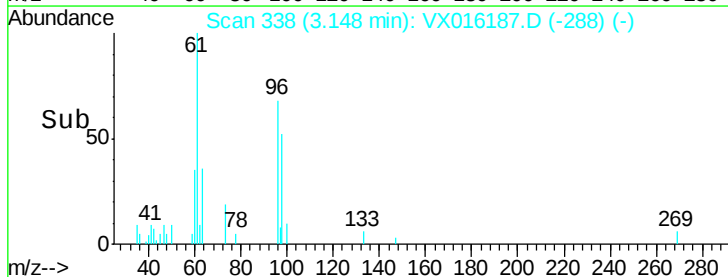
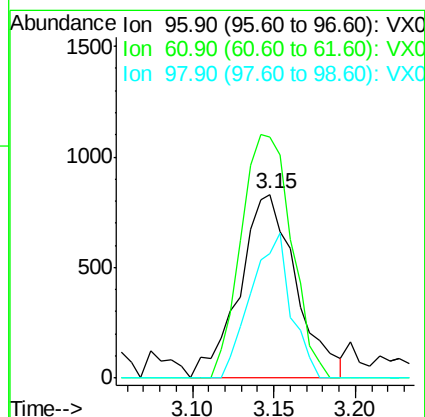
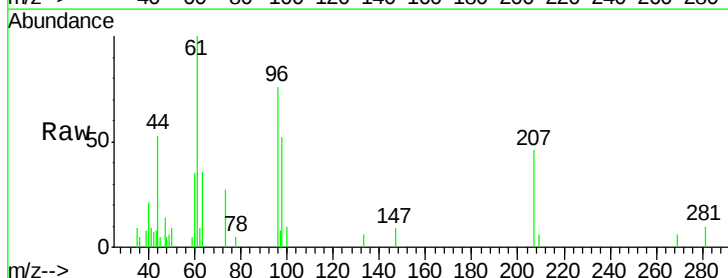
Tgt Ion: 96 Resp: 2003

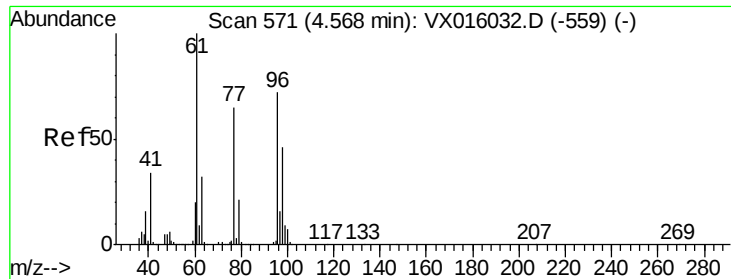
Ion Ratio Lower Upper

96 100

61 131.4 111.2 166.8

98 67.7 50.2 75.4



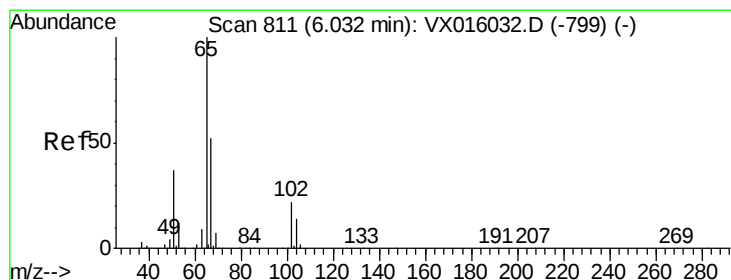
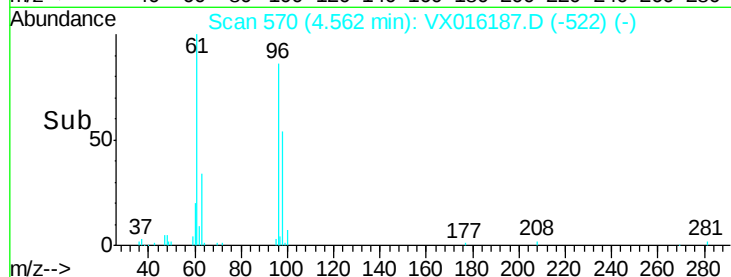
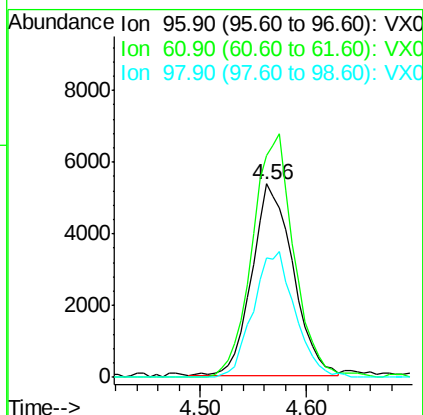
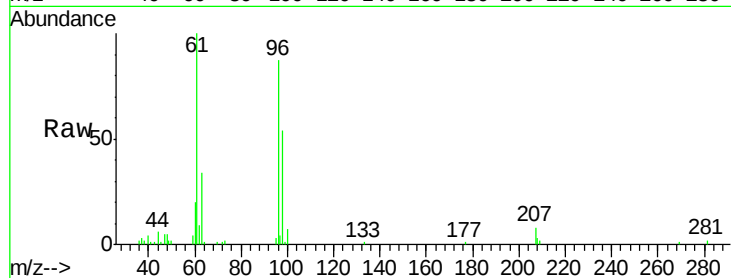


#27

cis-1,2-Dichloroethene  
 Concen: 4.203 ug/l  
 RT: 4.56 min Scan# 570  
 Delta R.T. -0.01 min  
 Lab File: VX016187.D  
 Acq: 13 May 2020 18:07

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW727-200512

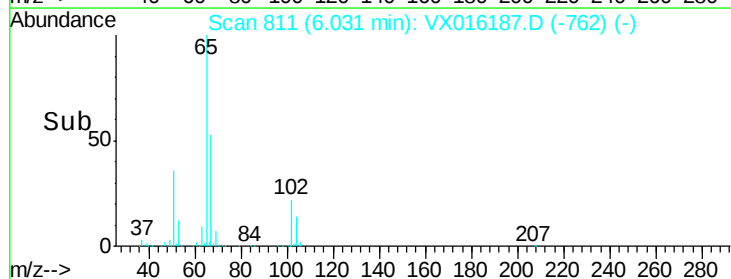
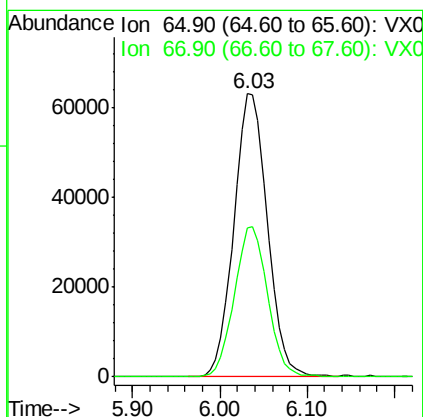
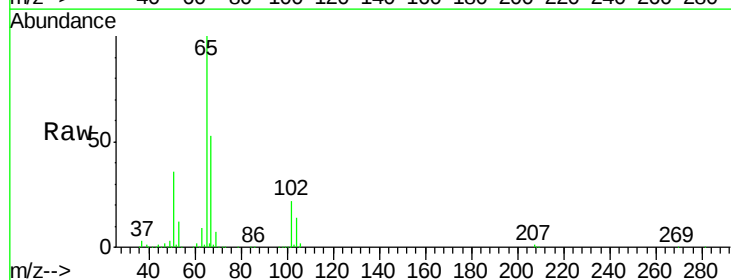
| Tot Ion | 96    | Resp  | 14393 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 129.1 | 0.0   | 296.2 |
| 98      | 66.9  | 0.0   | 129.4 |

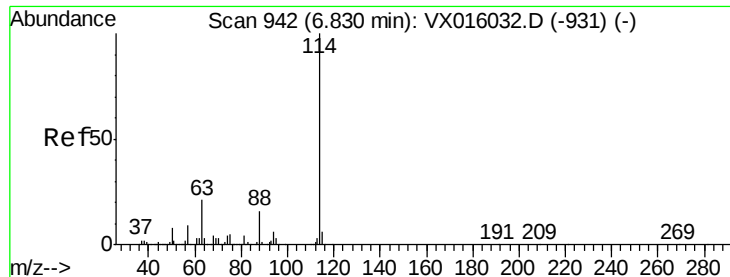


#33

1,2-Dichloroethane-d4  
 Concen: 47.365 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX016187.D  
 Acq: 13 May 2020 18:07

| Tgt Ion | 65    | Resp  | 168556 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 65      | 100   |       |        |
| 67      | 52.6  | 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: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW727-200512

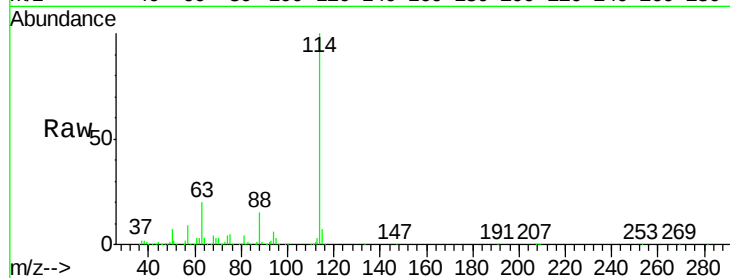
Tot Ion:114 Resp: 449063

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

88 15.4 0.0 31.4



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

250000

200000

150000

100000

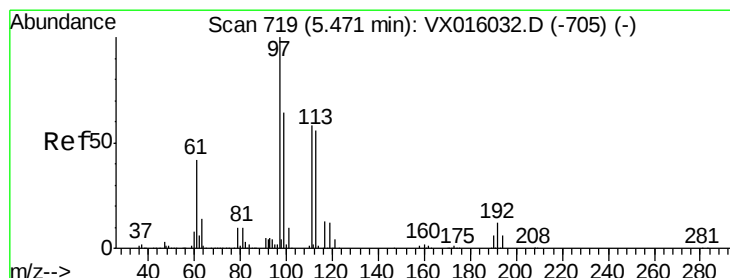
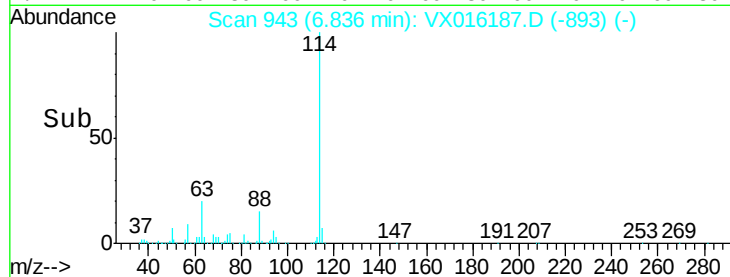
50000

0

6.84

6.70 6.80 6.90

Time-->



#35

Dibromofluoromethane

Concen: 47.395 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

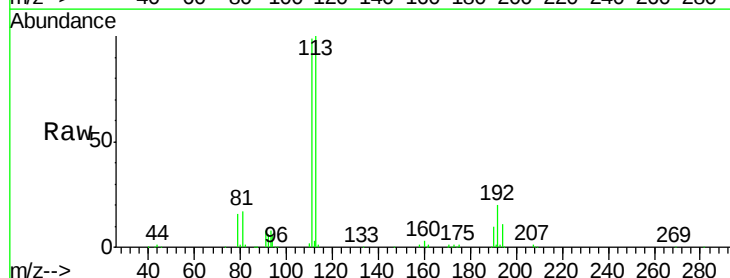
Tgt Ion:113 Resp: 134838

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

192 21.2 17.0 25.4



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

60000

50000

40000

30000

20000

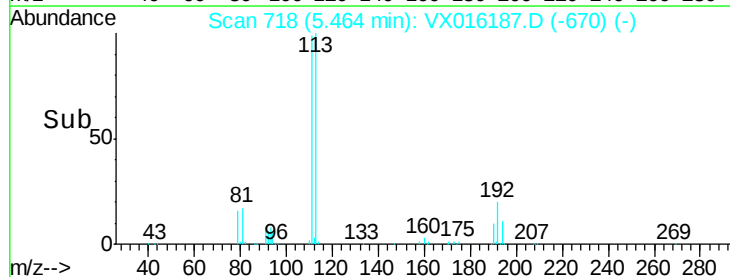
10000

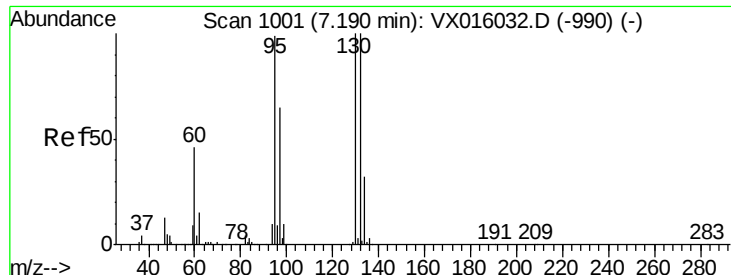
0

5.46

5.30 5.40 5.50 5.60

Time-->





#44

Trichloroethene

Concen: 2.850 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

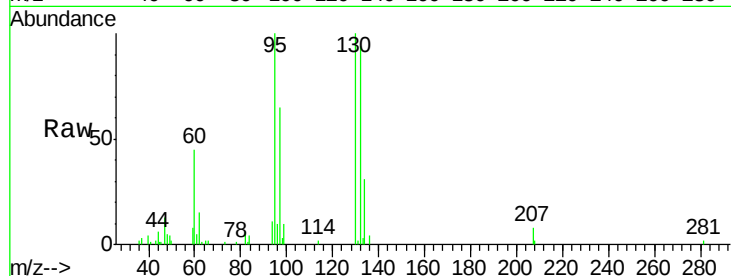
SS052MW727-200512

Tot Ion:130 Resp: 13094

Ion Ratio Lower Upper

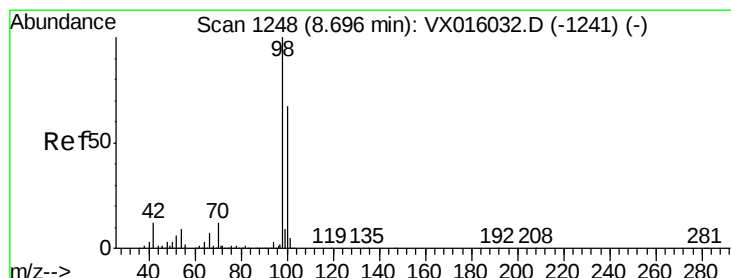
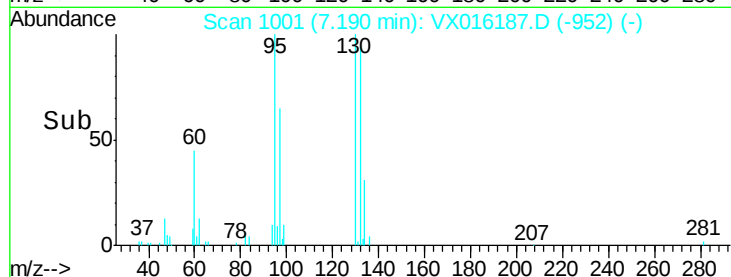
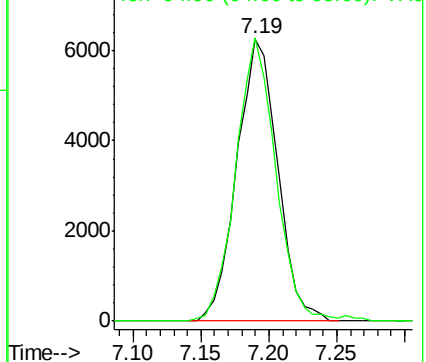
130 100

95 100.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.068 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016187.D

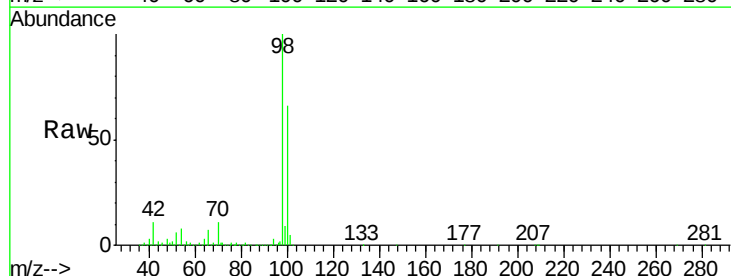
Acq: 13 May 2020 18:07

Tgt Ion: 98 Resp: 559809

Ion Ratio Lower Upper

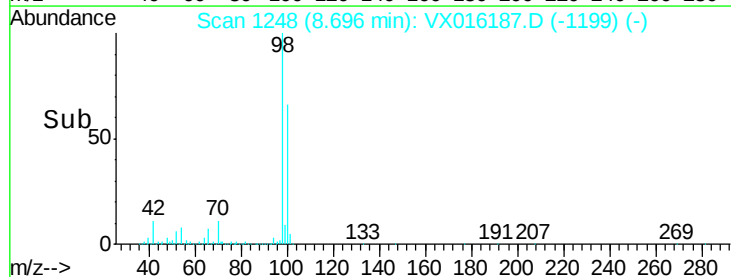
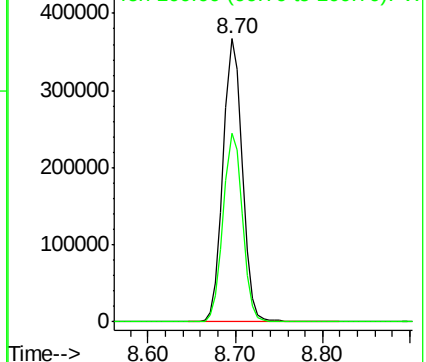
98 100

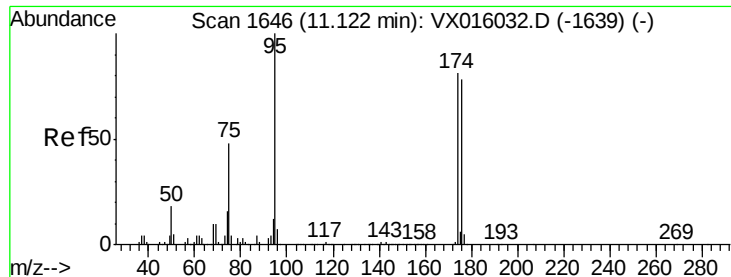
100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.493 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW727-200512

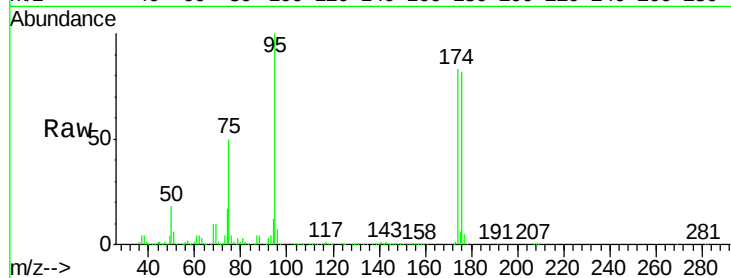
Tot Ion: 95 Resp: 223037

Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.4

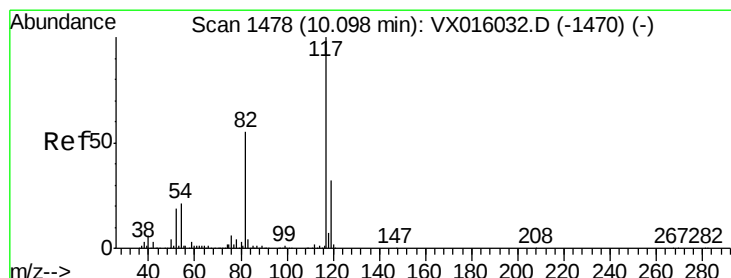
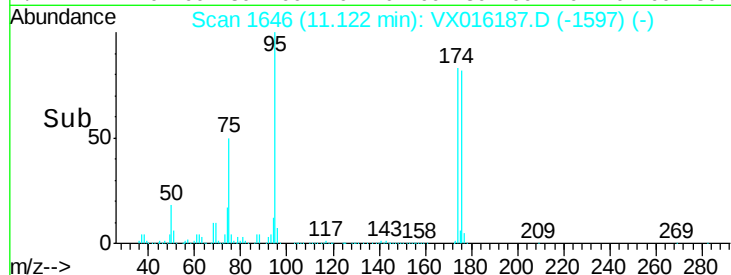
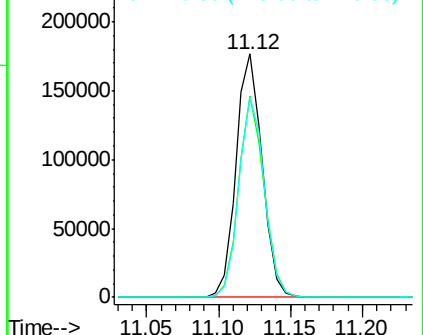
176 80.7 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016187.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016187.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016187.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

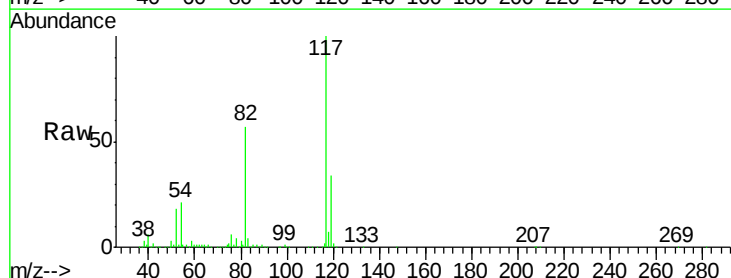
Tgt Ion: 117 Resp: 442345

Ion Ratio Lower Upper

117 100

82 56.7 44.4 66.6

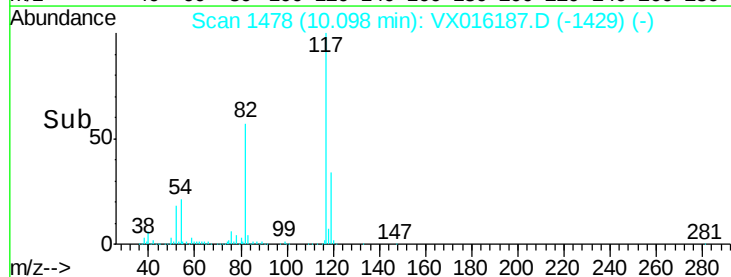
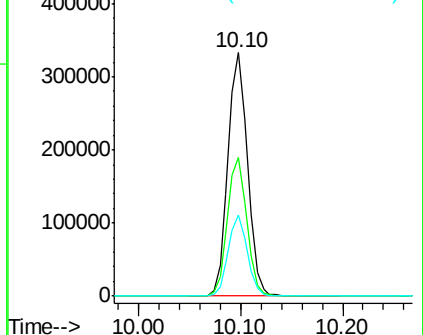
119 33.5 25.5 38.3

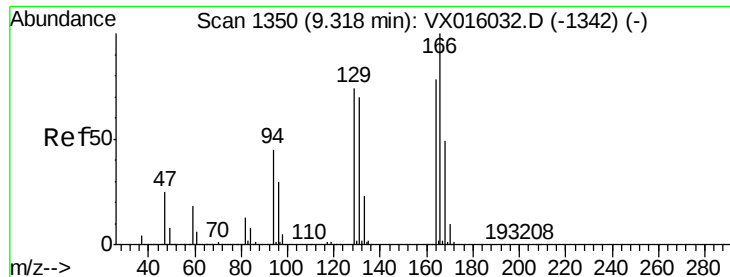


Abundance Ion 116.90 (116.60 to 117.60): VX016187.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016187.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016187.D (-1429) (-)





#64

Tetrachloroethene

Concen: 5.463 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016187.D

Acq: 13 May 2020 18:07

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW727-200512

Tot Ion:164 Resp: 29667

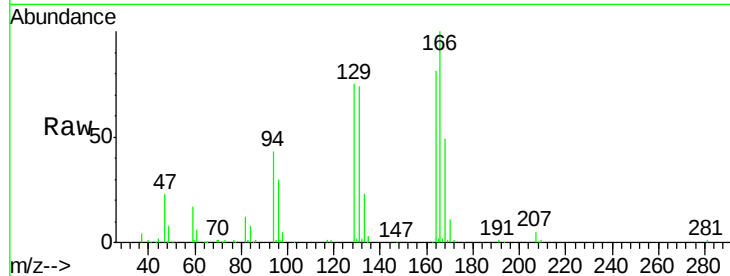
Ion Ratio Lower Upper

164 100

166 124.1 102.9 154.3

129 92.8 76.1 114.1

131 91.5 71.9 107.9

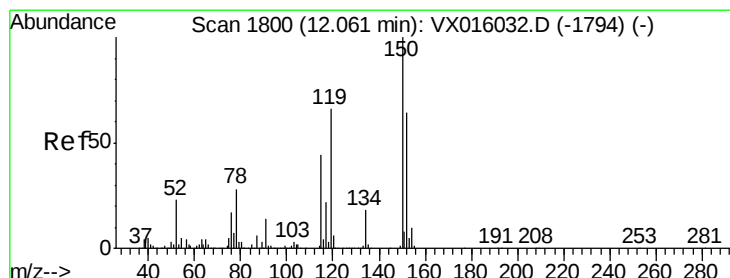
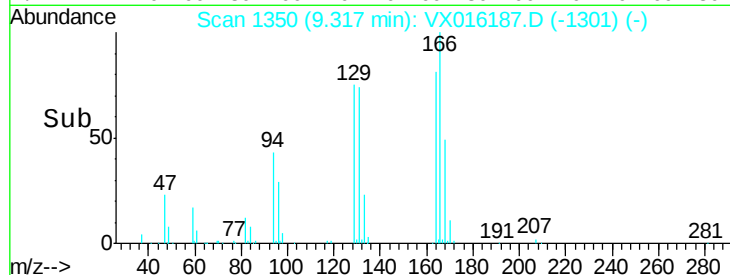
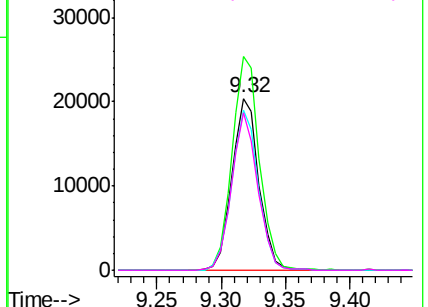


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX016187.D

Acq: 13 May 2020 18:07

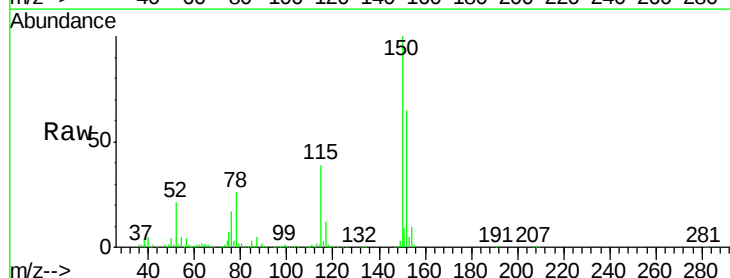
Tgt Ion:152 Resp: 229151

Ion Ratio Lower Upper

152 100

115 58.8 41.3 124.1

150 157.4 0.0 352.2



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

