

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042920\  
 Data File : VY002507.D  
 Acq On : 29 Apr 2020 15:13  
 Operator : SY/MD  
 Sample : L2445-04  
 Misc : 7.92G/5ML/MSVOA Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EOD-PROJECT-WEST

Quant Time: Apr 30 04:54:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 14:11:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 241329   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 382221   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 340615   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 171657   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 123729   | 58.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 117.32% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 114349   | 53.04 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.08% |      |
| 50) Toluene-d8              | 10.19  | 98  | 443564   | 51.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.38% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 140465   | 48.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.62%  |      |

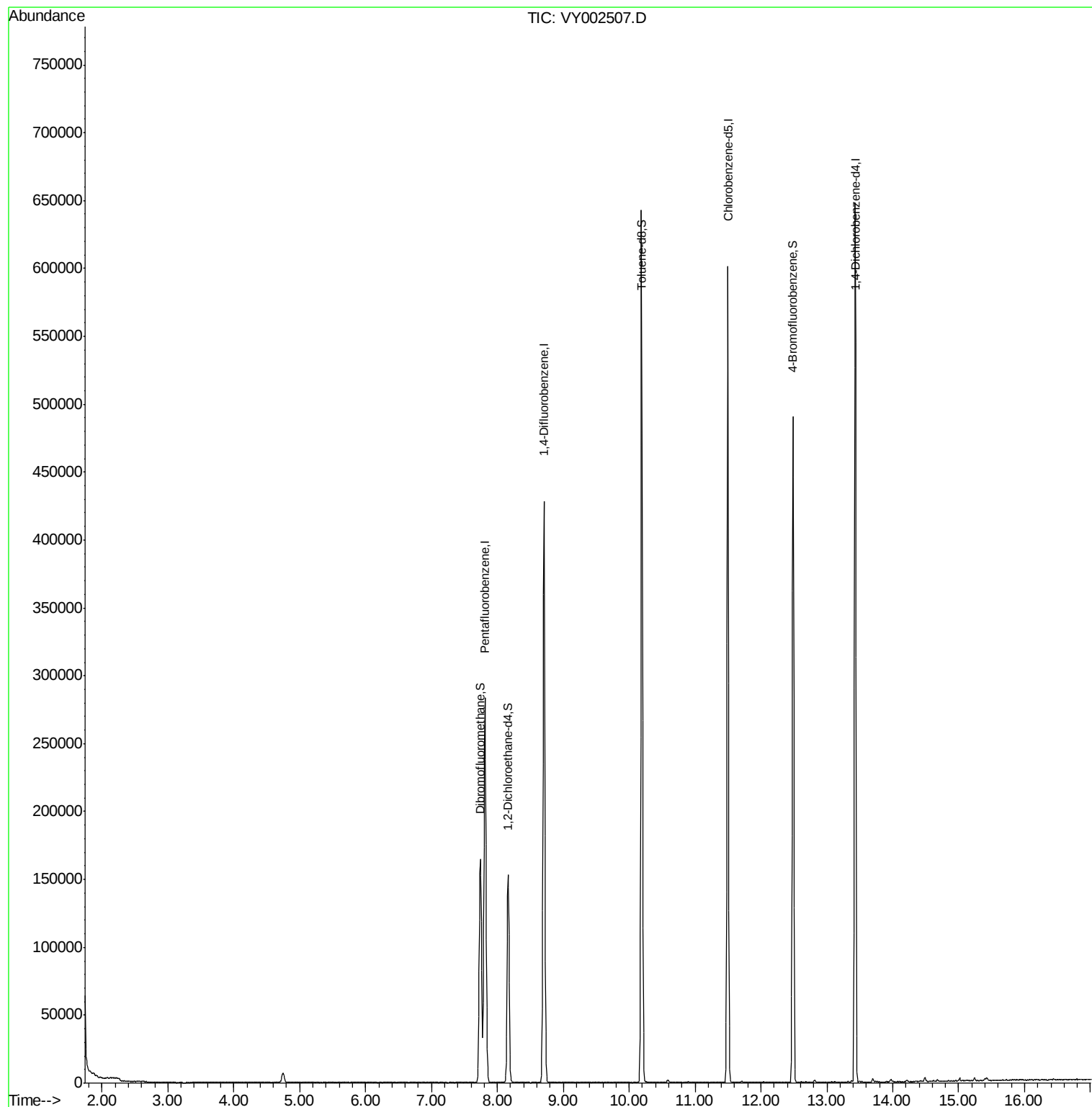
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

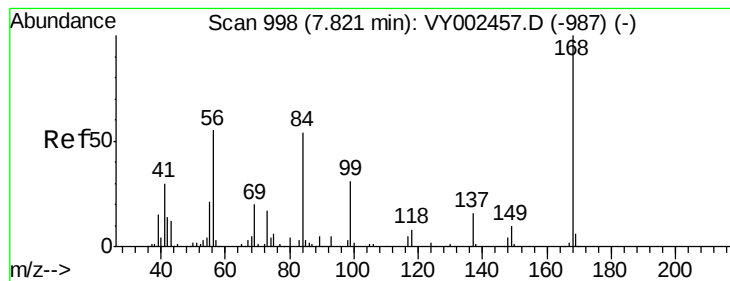
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY042920\  
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MSVOA\_Y  
ClientSampleId :  
EOD-PROJECT-WEST

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Quant Title : SW846 8260  
QLast Update : Thu Apr 23 14:11:26 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002507.D

Acq: 29 Apr 2020 15:13

Instrument :

MSVOA\_Y

ClientSampleId :

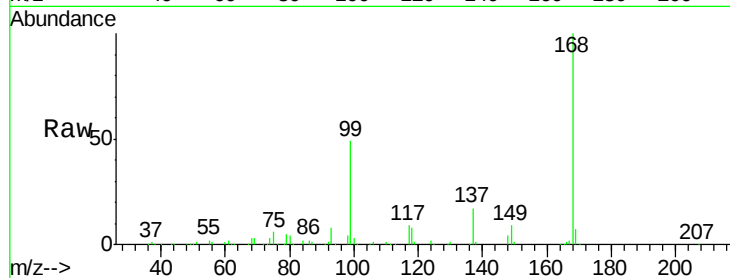
EOD-PROJECT-WEST

Tot Ion:168 Resp: 241329

Ion Ratio Lower Upper

168 100

99 49.5 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

120000

100000

80000

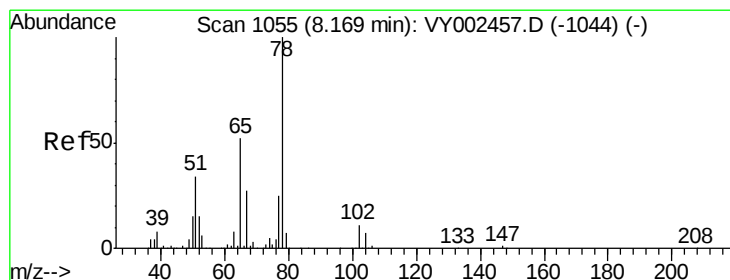
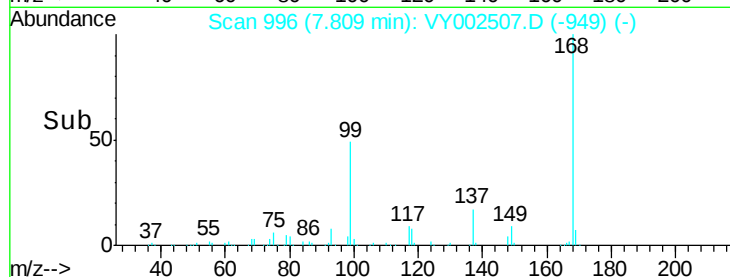
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.659 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002507.D

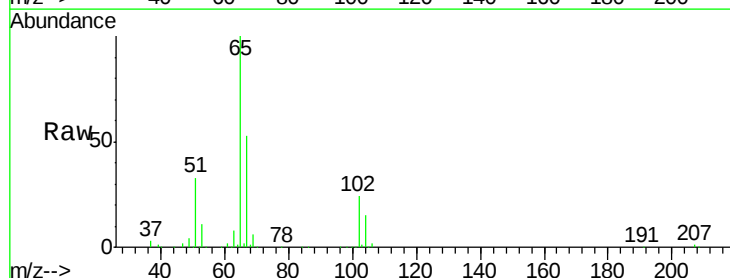
Acq: 29 Apr 2020 15:13

Tgt Ion: 65 Resp: 123729

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VY002457.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002457.D (-1044) (-)

8.16

60000

50000

40000

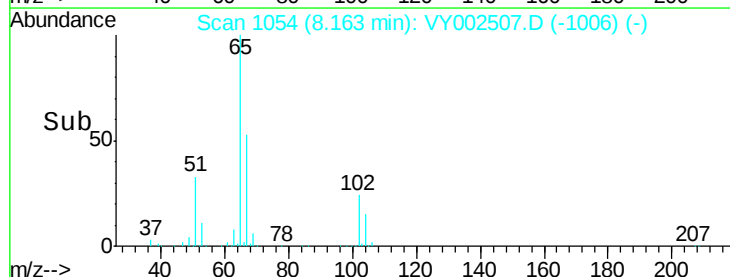
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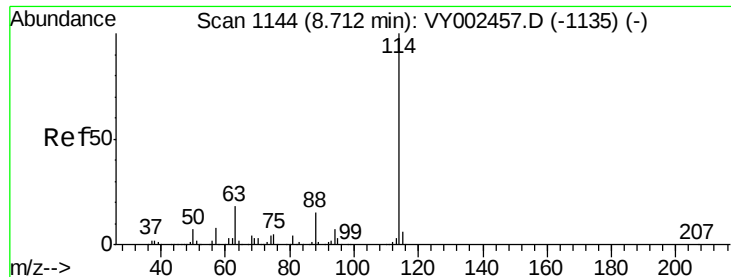
20000

10000

0

Time-->

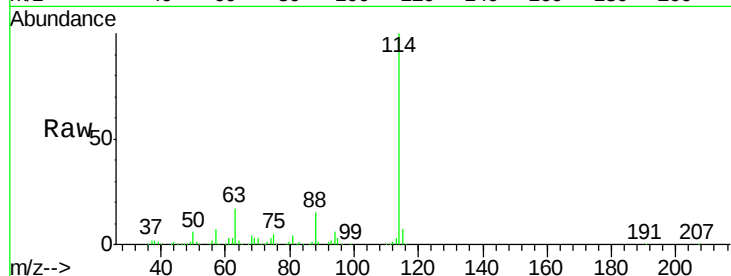




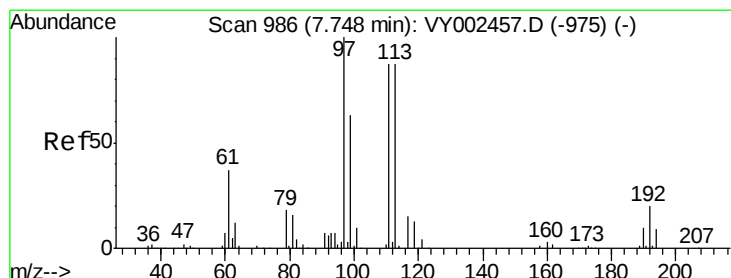
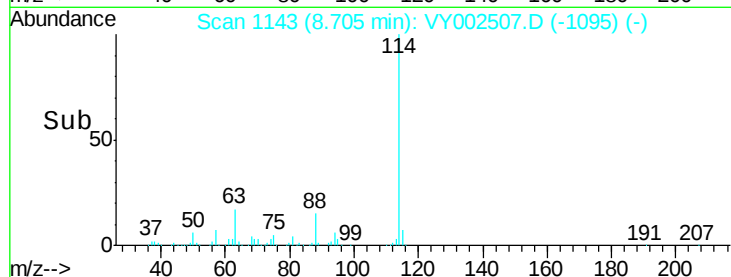
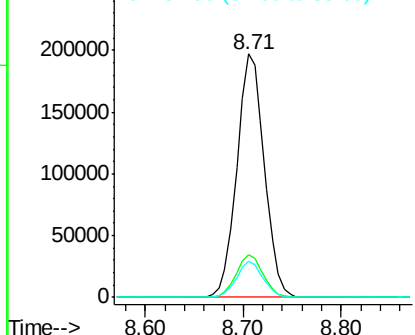
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY002507.D  
 Acq: 29 Apr 2020 15:13

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EOD-PROJECT-WEST

Tot Ion:114 Resp: 382221  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 35.6  
 88 14.7 0.0 29.4

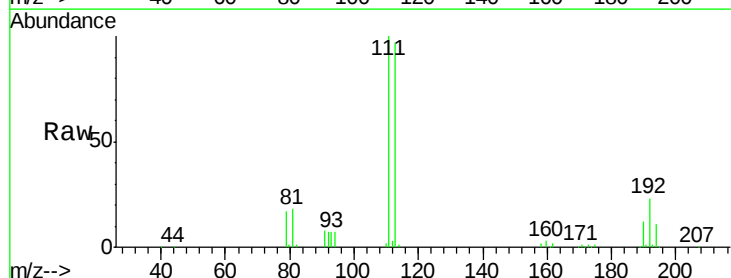


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

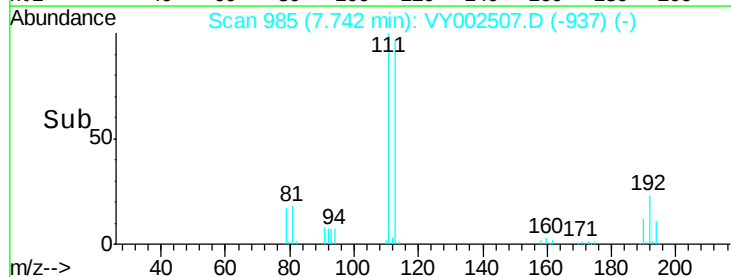
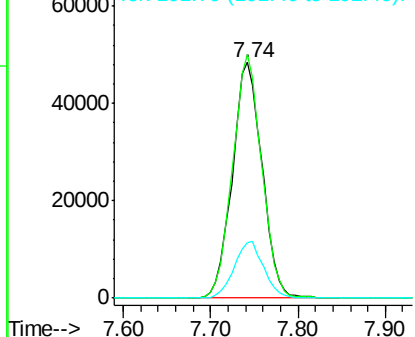


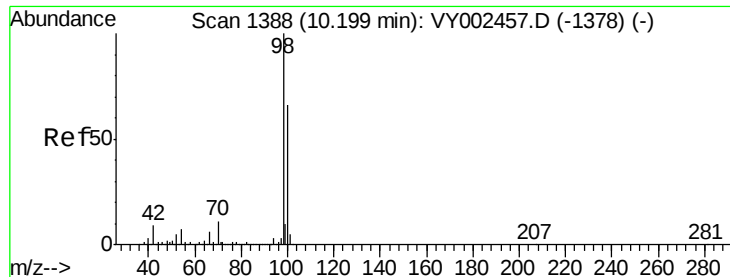
#35  
 Dibromofluoromethane  
 Concen: 53.039 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY002507.D  
 Acq: 29 Apr 2020 15:13

Tgt Ion:113 Resp: 114349  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 81.0 121.4  
 192 23.8 18.6 27.8



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





#50

Toluene-d8

Concen: 51.189 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY002507.D

Acq: 29 Apr 2020 15:13

Instrument :

MSVOA\_Y

ClientSampleId :

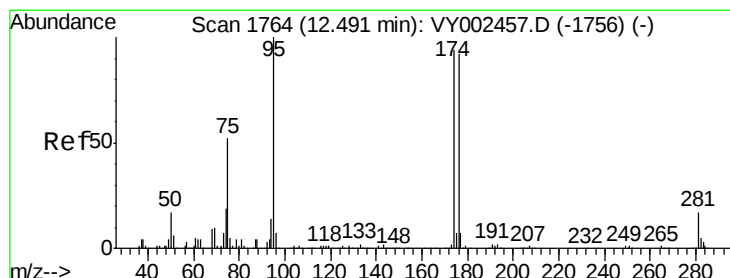
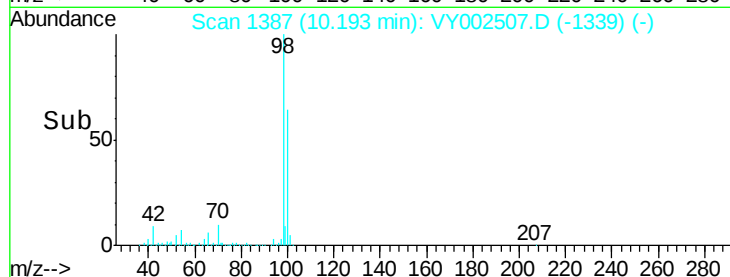
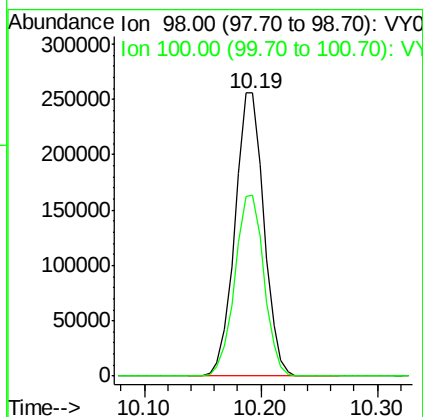
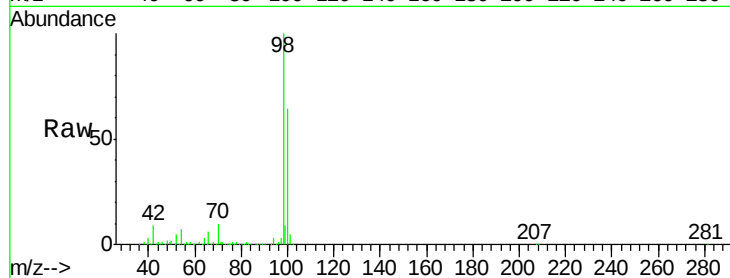
EOD-PROJECT-WEST

Tot Ion: 98 Resp: 443564

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.311 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY002507.D

Acq: 29 Apr 2020 15:13

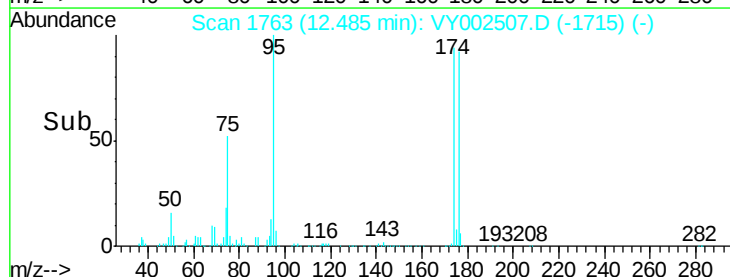
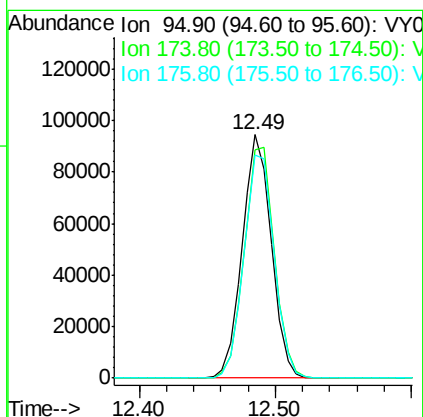
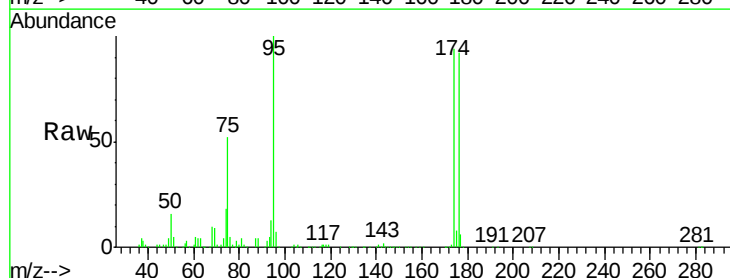
Tgt Ion: 95 Resp: 140465

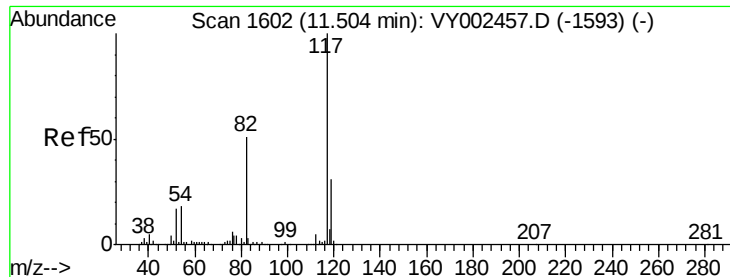
Ion Ratio Lower Upper

95 100

174 98.9 0.0 193.0

176 96.2 0.0 190.4

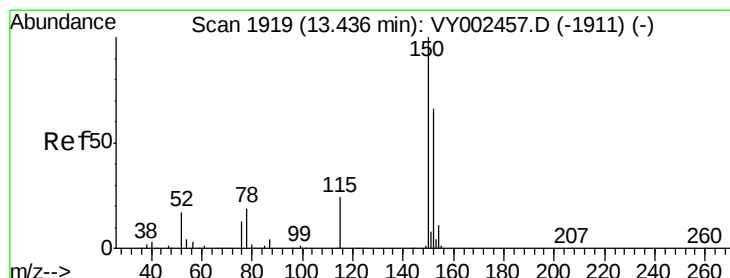
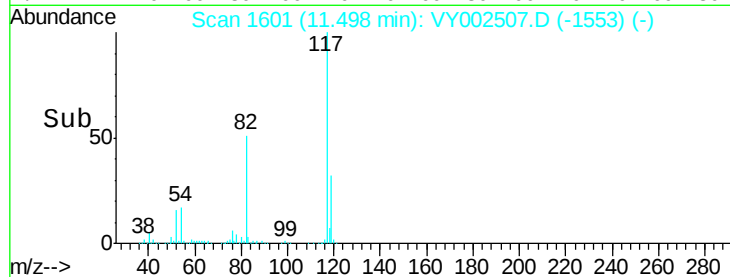
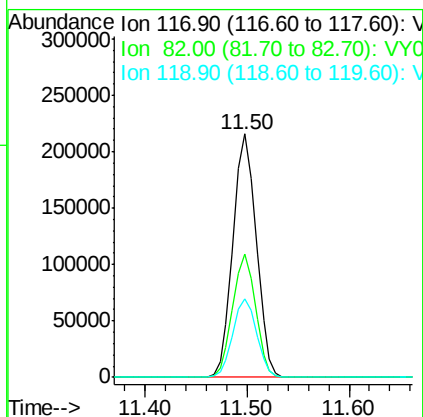
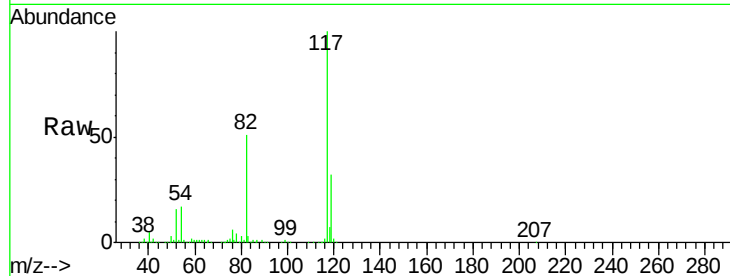




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY002507.D  
Acq: 29 Apr 2020 15:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
EOD-PROJECT-WEST

Tot Ion:117 Resp: 340615  
Ion Ratio Lower Upper  
117 100  
82 50.7 40.8 61.2  
119 32.0 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY002507.D  
Acq: 29 Apr 2020 15:13

Tgt Ion:152 Resp: 171657  
Ion Ratio Lower Upper  
152 100  
115 54.3 27.3 81.8  
150 157.4 0.0 346.8

