

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070220\  
 Data File : VY003082.D  
 Acq On : 02 Jul 2020 14:00  
 Operator : SY/MD  
 Sample : L3210-01  
 Misc : 6.59G/5ML/MSVOA Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-022-IDWSO-20200701

Quant Time: Jul 03 03:15:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 30 04:11:35 2020  
 Response via : Initial Calibration

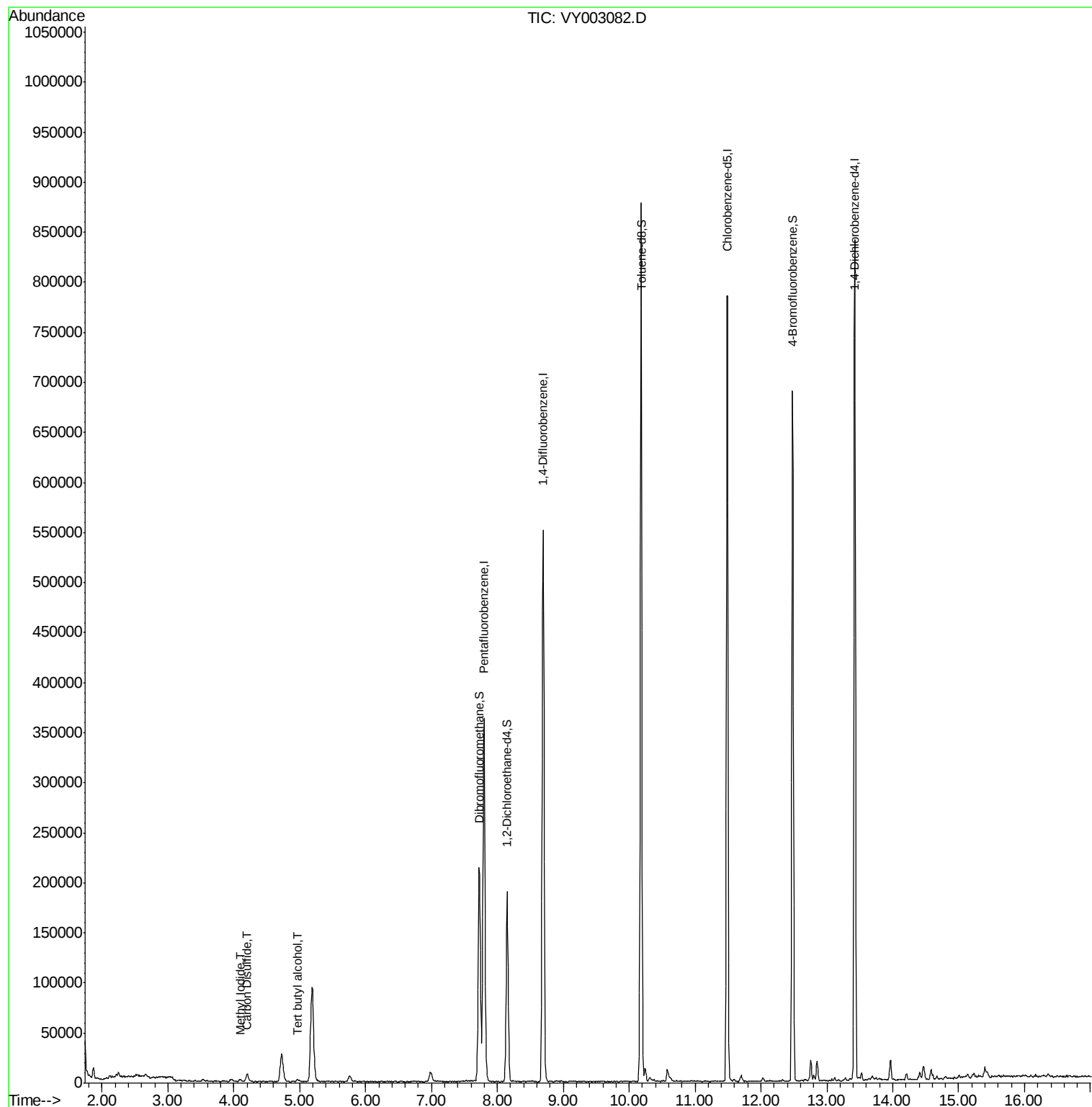
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 288517   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 466670   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 436573   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 216946   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 147254   | 51.39  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.78% |            |
| 35) Dibromofluoromethane    | 7.72  | 113  | 152167   | 52.27  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.54% |            |
| 50) Toluene-d8              | 10.18 | 98   | 565315   | 52.12  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.24% |            |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 191736   | 50.22  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.44% |            |
| Target Compounds            |       |      |          |        |         |            |
| 10) Methyl Iodide           | 4.10  | 142  | 3660     | 1.122  | ug/l    | Qvalue 100 |
| 11) Tert butyl alcohol      | 4.97  | 59   | 3296     | 11.286 | ug/l #  | 91         |
| 17) Carbon Disulfide        | 4.20  | 76   | 13533    | 1.692  | ug/l #  | 89         |

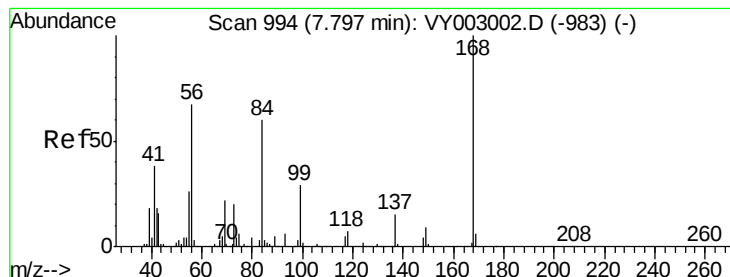
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY070220\  
Data File : VY003082.D  
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Operator : SY/MD  
Sample : L3210-01  
Misc : 6.59G/5ML/MSVOA Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

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MSVOA\_Y  
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TT-022-IDWSO-20200701

Quant Time: Jul 03 03:15:01 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y062920S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 30 04:11:35 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003082.D

Acq: 02 Jul 2020 14:00

Instrument :

MSVOA\_Y

ClientSampleId :

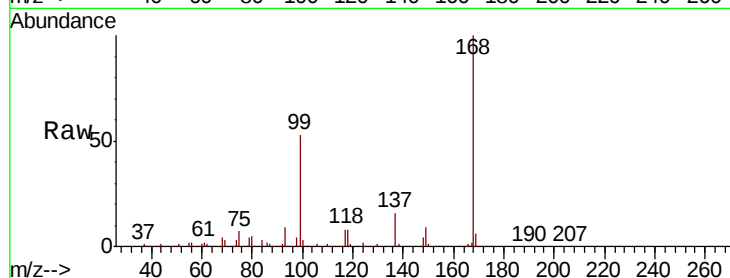
TT-022-IDWSO-20200701

Tot Ion:168 Resp: 288517

Ion Ratio Lower Upper

168 100

99 53.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

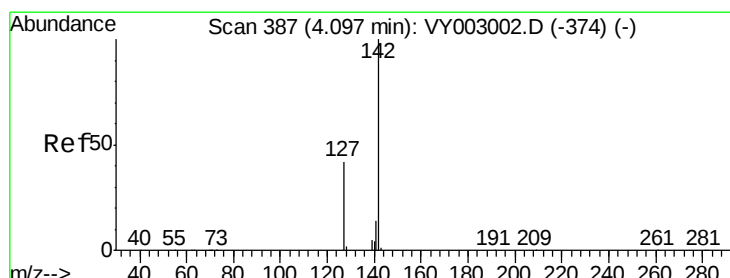
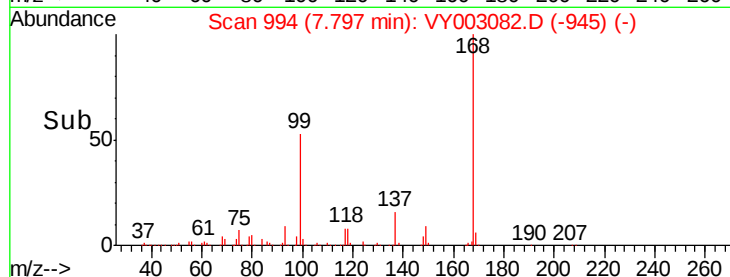
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 1.122 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY003082.D

Acq: 02 Jul 2020 14:00

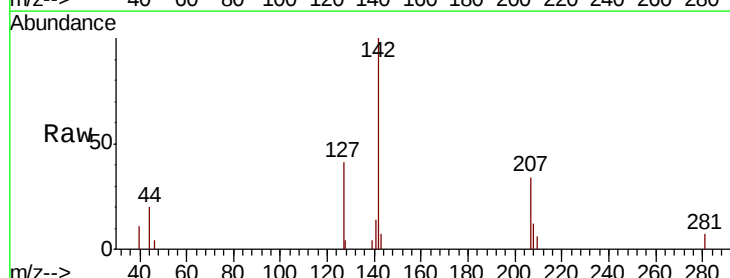
Tgt Ion:142 Resp: 3660

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

141 15.3 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2000

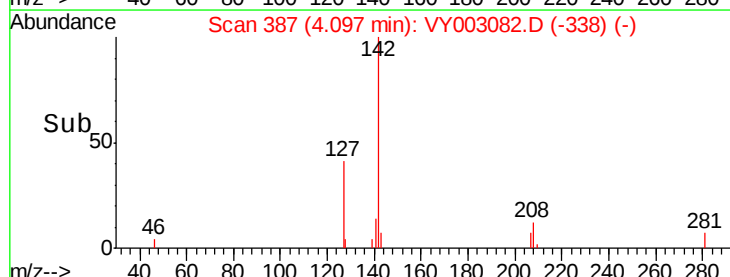
1500

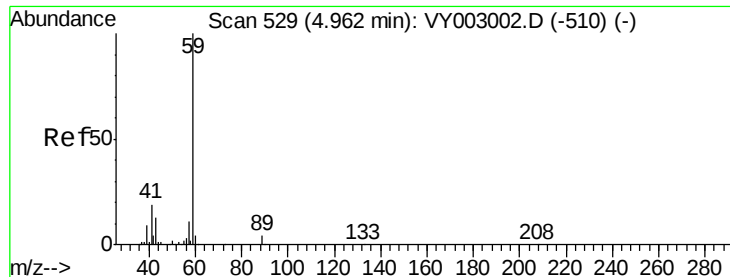
1000

500

0

Time-->



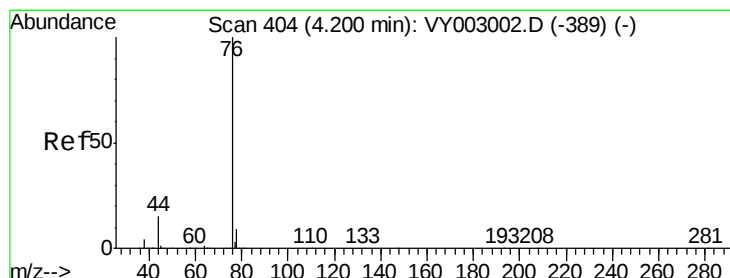
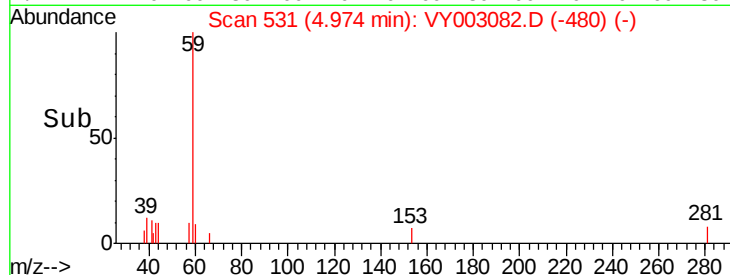
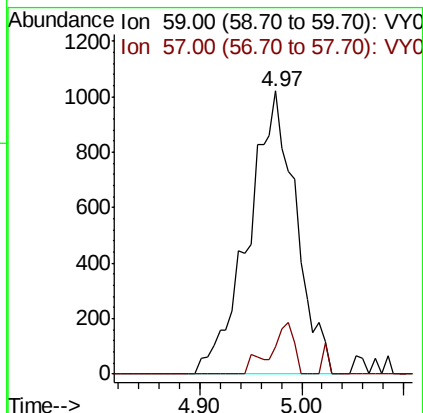
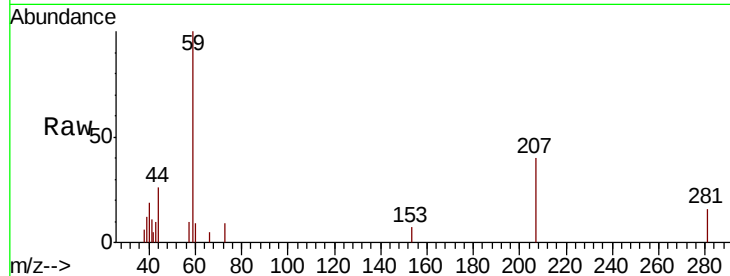


#11

Tert butyl alcohol  
 Concen: 11.286 ug/l  
 RT: 4.97 min Scan# 531  
 Delta R.T. 0.01 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-022-IDWSO-20200701

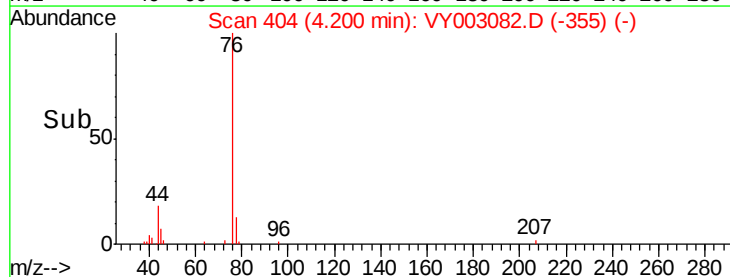
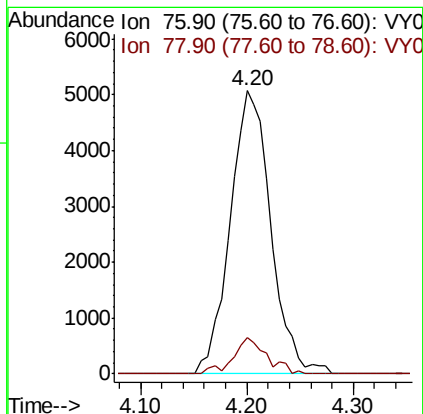
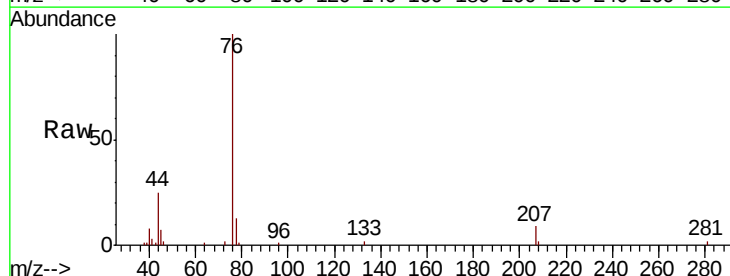
Tot Ion: 59 Resp: 3296  
 Ion Ratio Lower Upper  
 59 100  
 57 6.8 8.0 12.0#

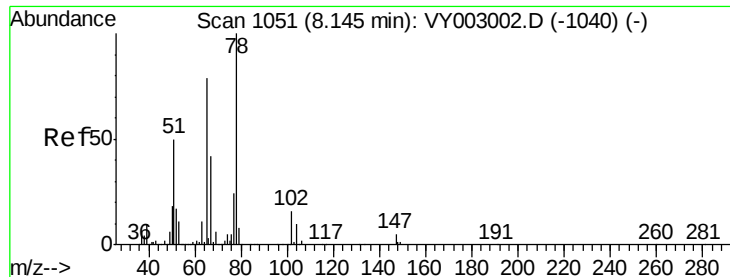


#17

Carbon Disulfide  
 Concen: 1.692 ug/l  
 RT: 4.20 min Scan# 404  
 Delta R.T. 0.00 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

Tgt Ion: 76 Resp: 13533  
 Ion Ratio Lower Upper  
 76 100  
 78 12.7 7.0 10.6#

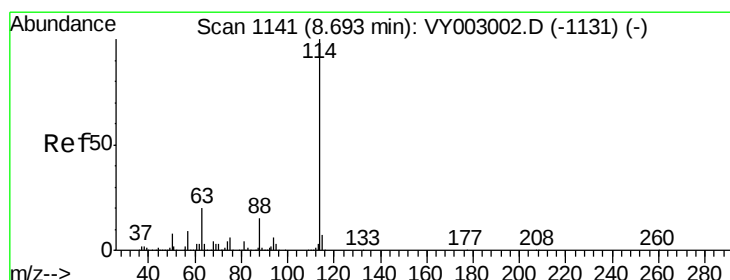
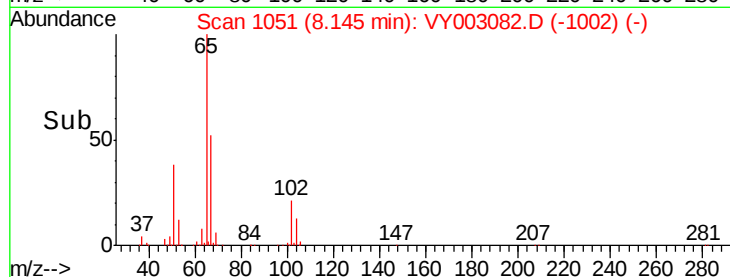
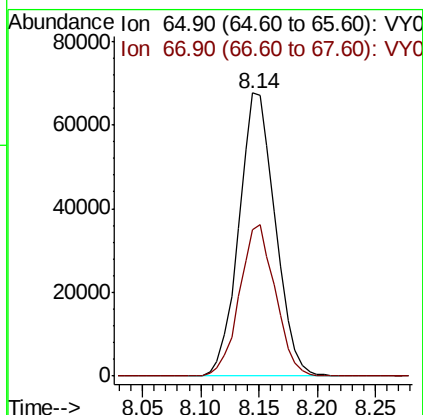
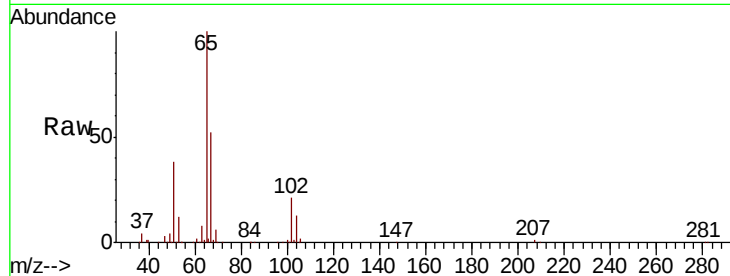




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.388 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

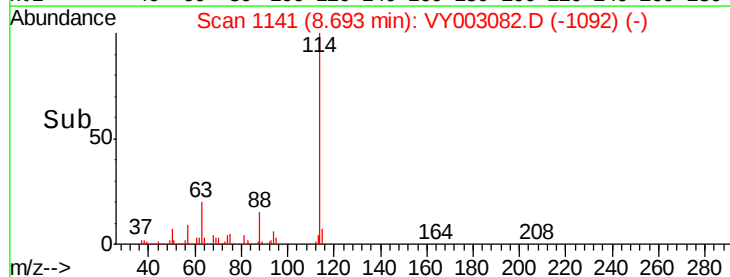
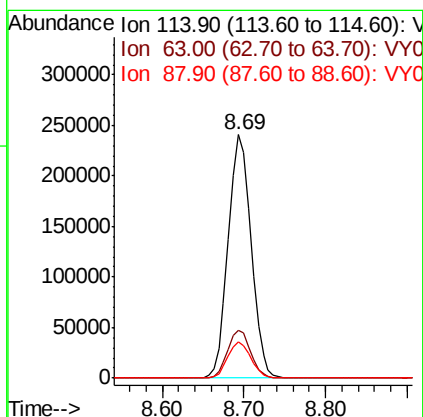
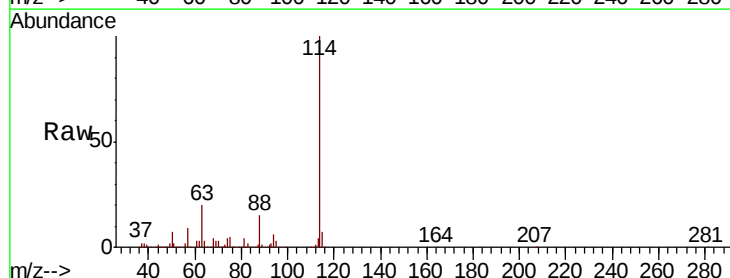
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-022-IDWSO-20200701

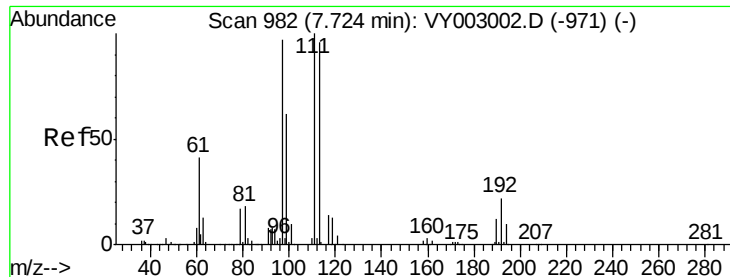
Tot Ion: 65 Resp: 147254  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

Tgt Ion: 114 Resp: 466670  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.6  
 88 15.1 0.0 30.0

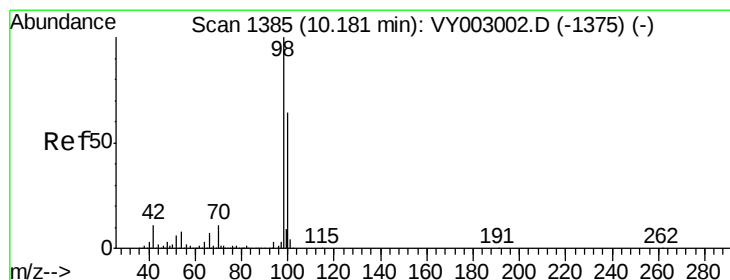
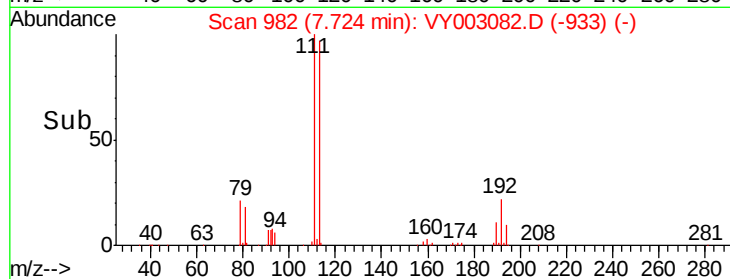
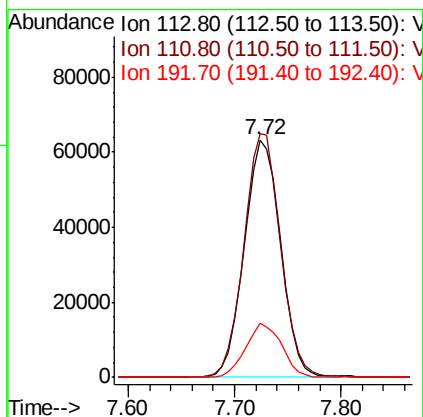
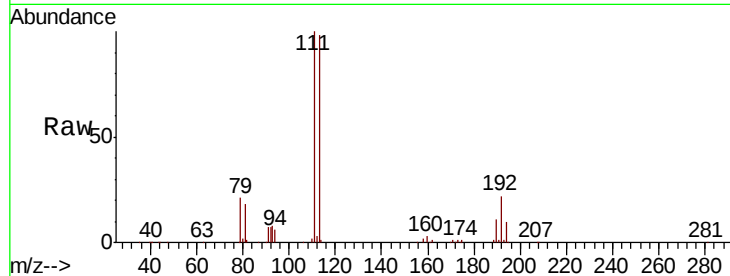




#35  
 Dibromofluoromethane  
 Concen: 52.270 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

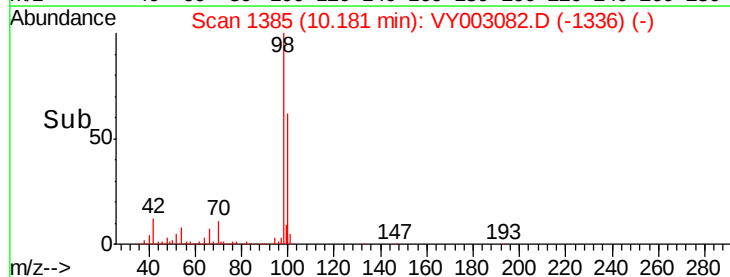
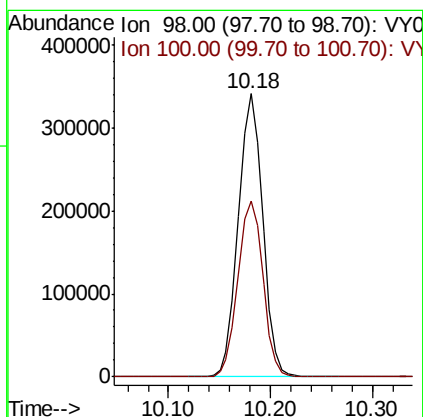
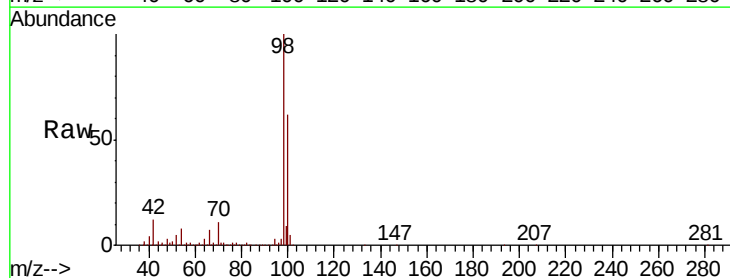
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TT-022-IDWSO-20200701

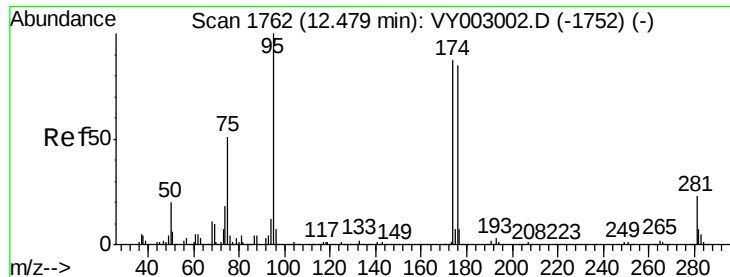
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.6  | 123.8 |
| 192     | 22.7  | 18.1  | 27.1  |



#50  
 Toluene-d8  
 Concen: 52.125 ug/l  
 RT: 10.18 min Scan# 1385  
 Delta R.T. 0.00 min  
 Lab File: VY003082.D  
 Acq: 02 Jul 2020 14:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.7  | 51.1  | 76.7  |





#62

4-Bromofluorobenzene

Concen: 50.224 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003082.D

Acq: 02 Jul 2020 14:00

Instrument :

MSVOA\_Y

ClientSampleId :

TT-022-IDWSO-20200701

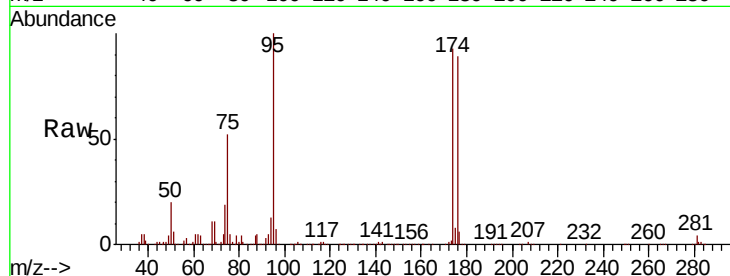
Tot Ion: 95 Resp: 191736

Ion Ratio Lower Upper

95 100

174 94.0 0.0 184.8

176 90.4 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY003082.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003082.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003082.D (-1752) (-)

12.48

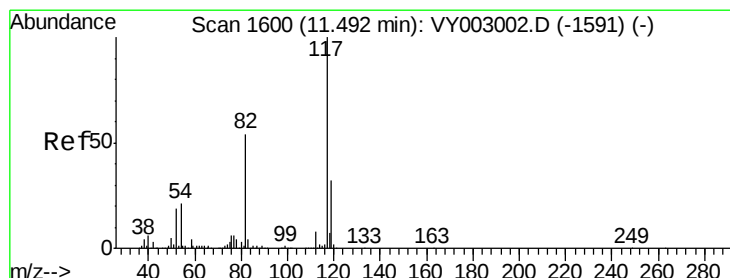
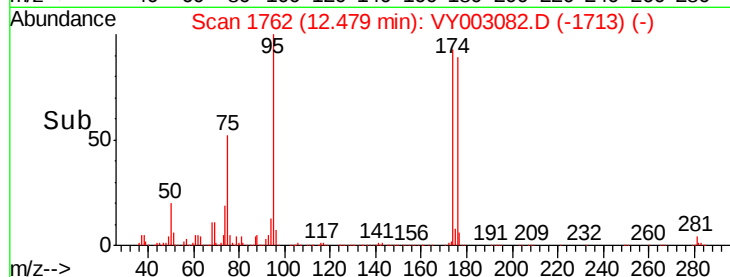
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003082.D

Acq: 02 Jul 2020 14:00

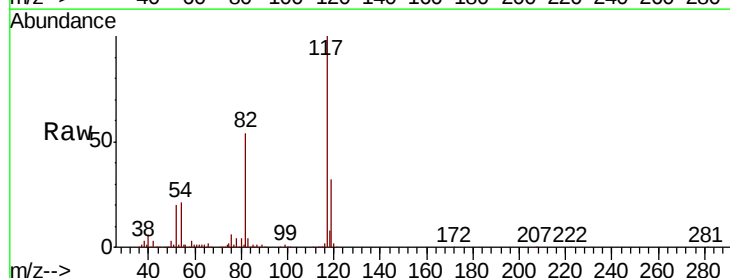
Tgt Ion: 117 Resp: 436573

Ion Ratio Lower Upper

117 100

82 53.7 43.0 64.6

119 32.2 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY003082.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003082.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003082.D (-1591) (-)

11.49

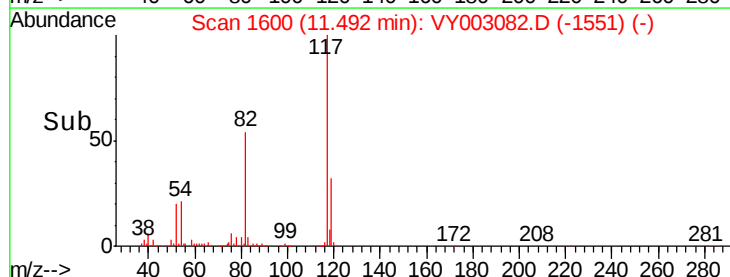
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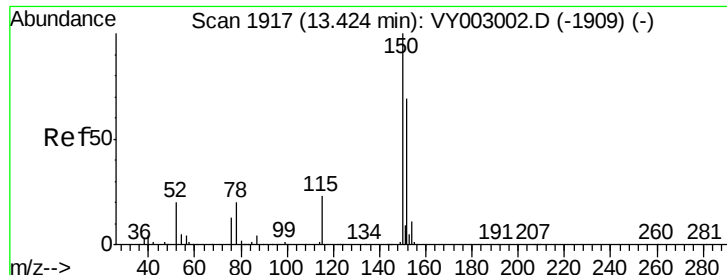
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003082.D

Acq: 02 Jul 2020 14:00

Instrument :

MSVOA\_Y

ClientSampleId :

TT-022-IDWSO-20200701

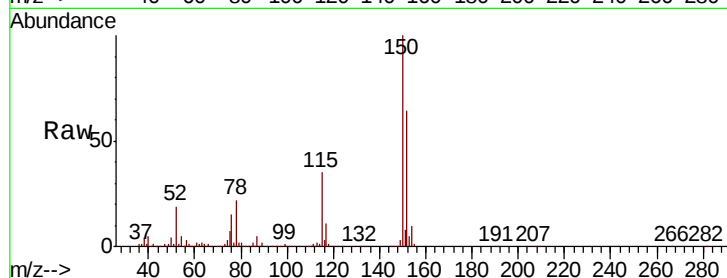
Tot Ion:152 Resp: 216946

Ion Ratio Lower Upper

152 100

115 54.9 27.3 81.9

150 158.4 0.0 343.4



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

