

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\  
 Data File : VY003297.D  
 Acq On : 22 Jul 2020 18:45  
 Operator : SY/MD  
 Sample : L3308-13  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 13RE

Quant Time: Jul 23 05:44:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

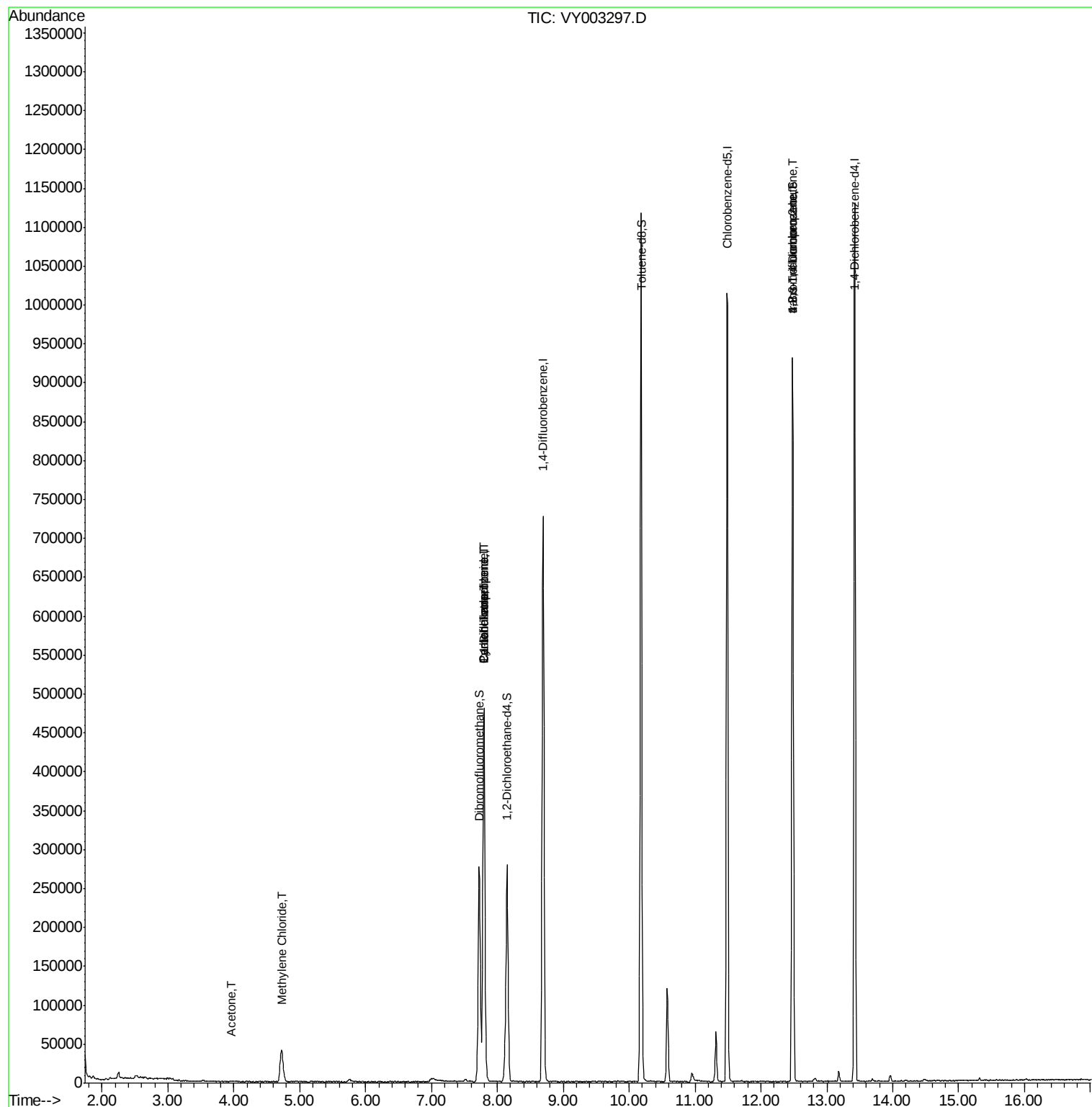
| Internal Standards             | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.80   | 168  | 394267   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69   | 114  | 612920   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49  | 117  | 570745   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42  | 152  | 292666   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.14   | 65   | 203268   | 61.08  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 122.16% |          |
| 35) Dibromofluoromethane       | 7.72   | 113  | 192758   | 54.65  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 109.30% |          |
| 50) Toluene-d8                 | 10.18  | 98   | 745420   | 56.84  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 113.68% |          |
| 62) 4-Bromofluorobenzene       | 12.48  | 95   | 246269   | 51.98  | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =      | 103.96% |          |
| Target Compounds               |        |      |          |        |         |          |
|                                |        |      |          |        | Qvalue  |          |
| 16) Acetone                    | 3.96   | 43   | 1238     | 1.665  | ug/l    | 96       |
| 20) Methylene Chloride         | 4.73   | 84   | 31564    | 3.308  | ug/l    | 95       |
| 31) Cyclohexane                | 7.80   | 56   | 7137     | 1.179  | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.80   | 75   | 27108    | 4.880  | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80   | 117  | 35276    | 6.151  | ug/l #  | 16       |
| 76) 1,2,3-Trichloropropane     | 12.48  | 75   | 126170   | 48.703 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48  | 75   | 126170   | 94.785 | ug/l #  | 13       |

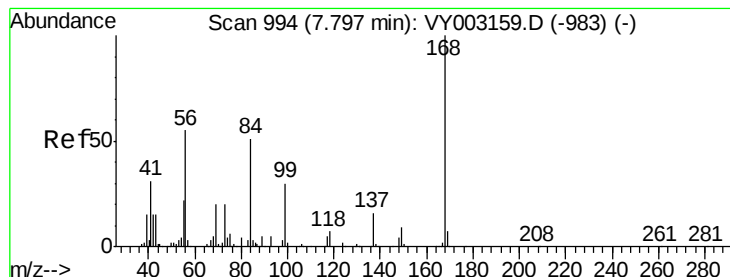
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072220\  
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Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 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: VY003297.D

Acq: 22 Jul 2020 18:45

Instrument :

MSVOA\_Y

ClientSampled :

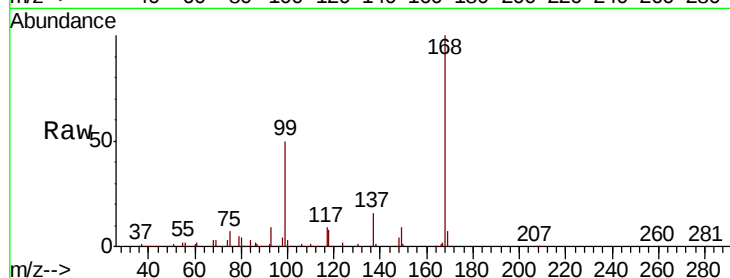
13RE

Tot Ion:168 Resp: 394267

Ion Ratio Lower Upper

168 100

99 50.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

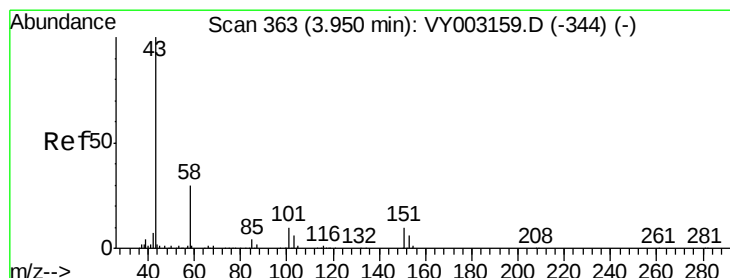
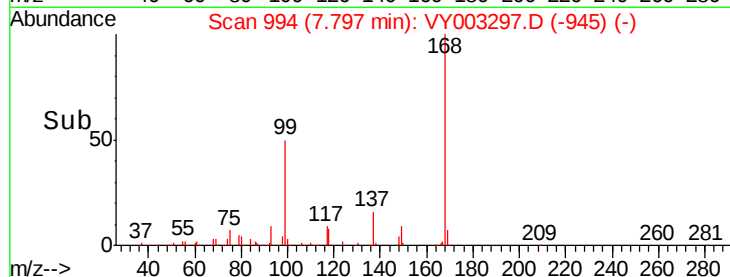
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.665 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003297.D

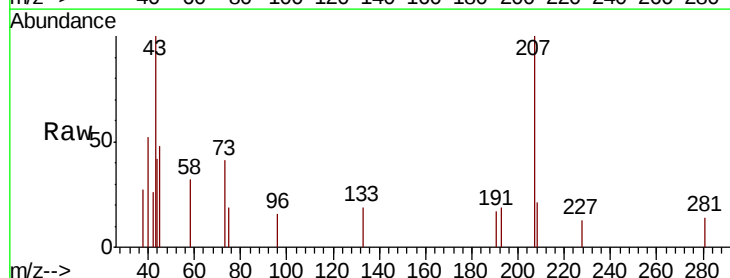
Acq: 22 Jul 2020 18:45

Tgt Ion: 43 Resp: 1238

Ion Ratio Lower Upper

43 100

58 32.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-344) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-344) (-)

3.96

500

400

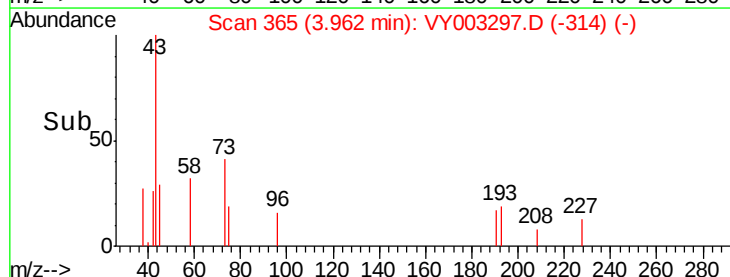
300

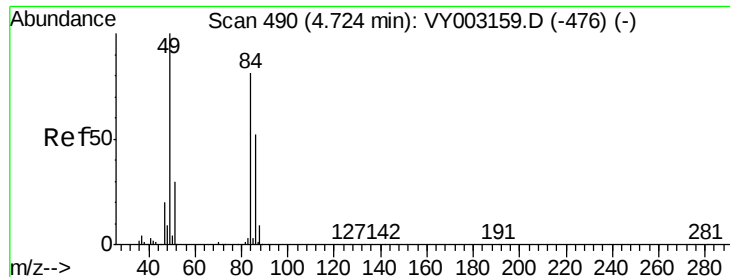
200

100

0

Time-->

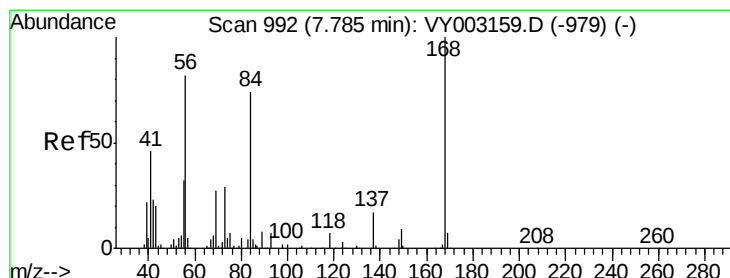
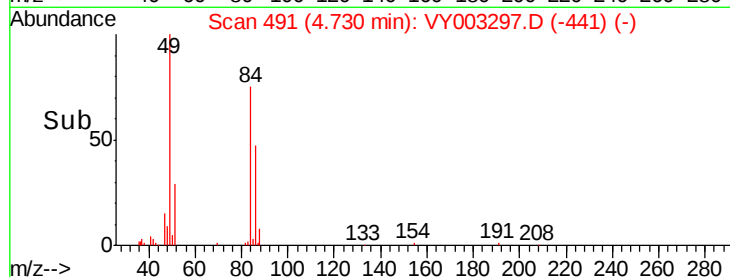
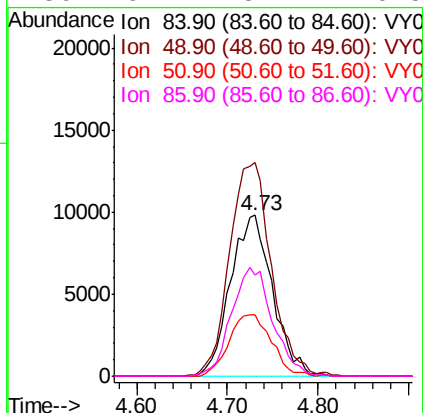
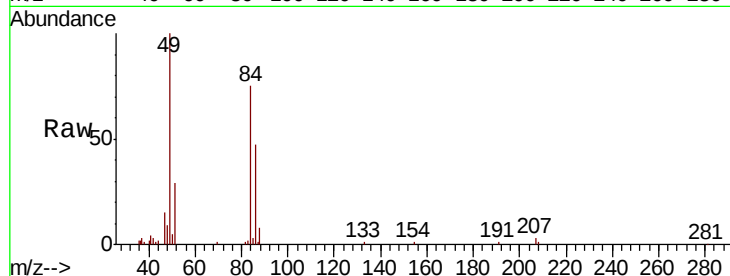




#20  
Methvlene Chloride  
Concen: 3.308 ug/l  
RT: 4.73 min Scan# 491  
Delta R.T. 0.01 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

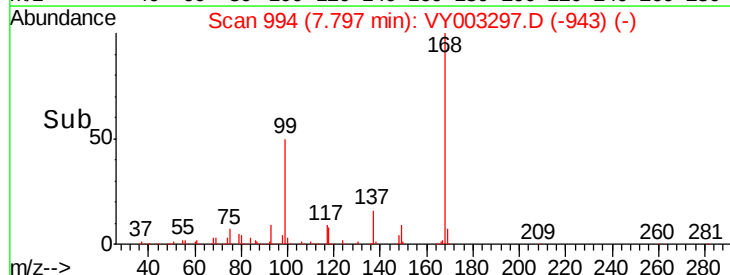
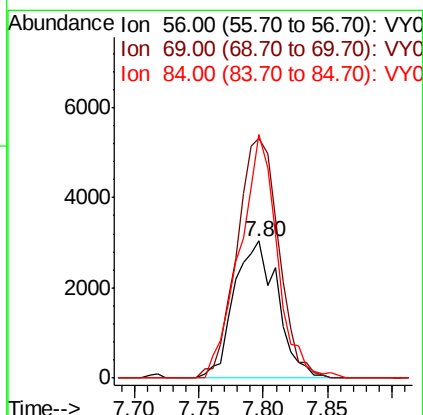
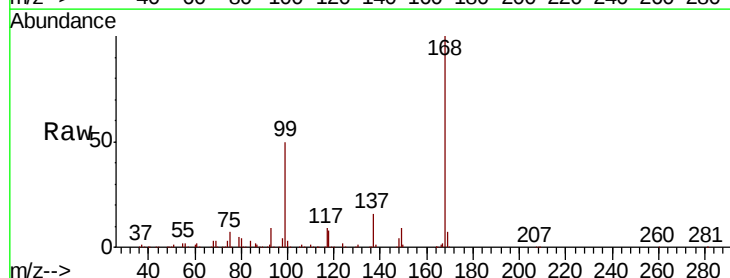
Instrument :  
MSVOA\_Y  
ClientSampleId :  
13RE

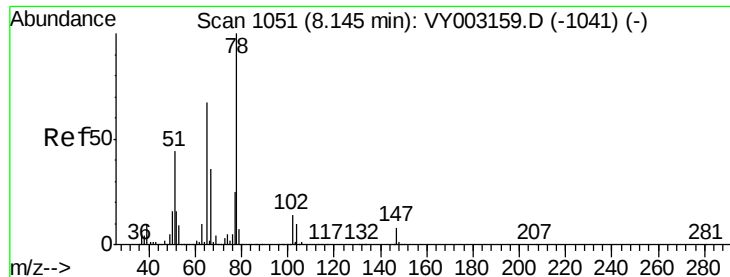
Tot Ion: 84 Resp: 31564  
Ion Ratio Lower Upper  
84 100  
49 131.8 98.2 147.4  
51 38.1 29.8 44.6  
86 62.7 51.2 76.8



#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

Tgt Ion: 56 Resp: 7137  
Ion Ratio Lower Upper  
56 100  
69 175.6 26.7 40.1#  
84 177.9 72.3 108.5#

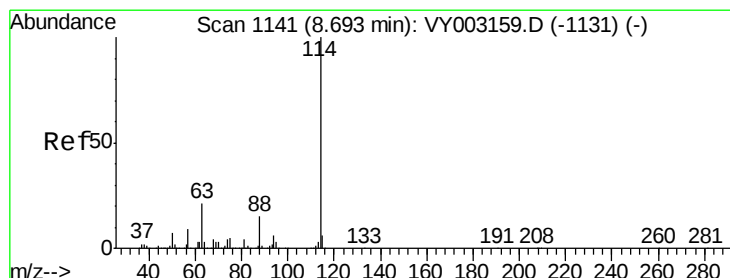
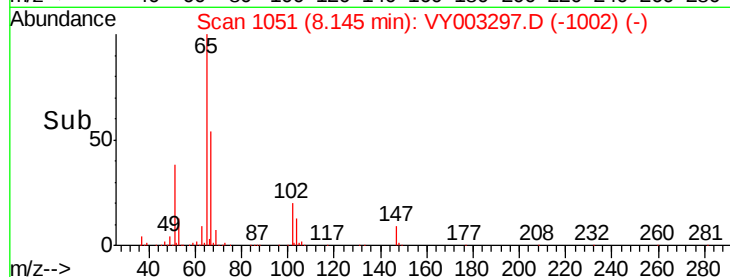
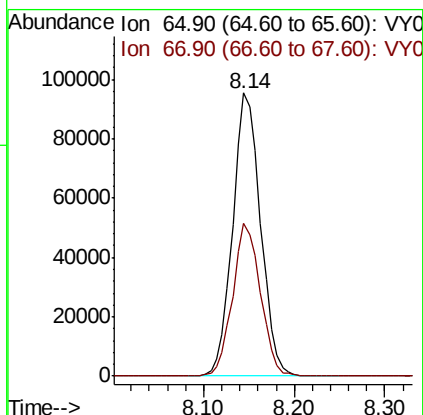
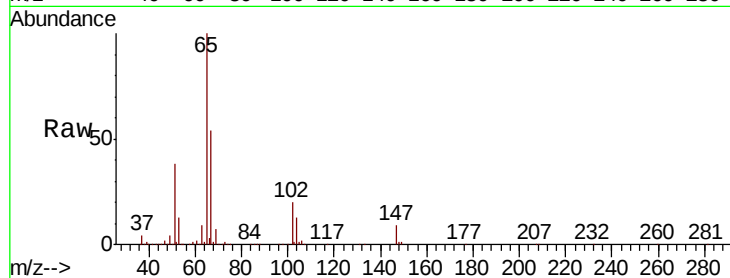




#33  
 1,2-Dichloroethane-d4  
 Concen: 61.083 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.00 min  
 Lab File: VY003297.D  
 Acq: 22 Jul 2020 18:45

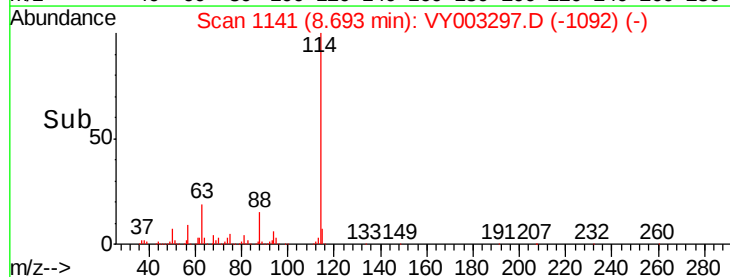
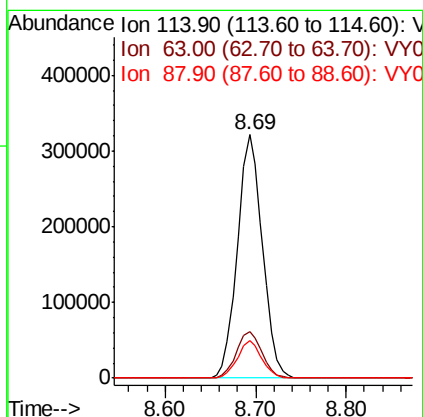
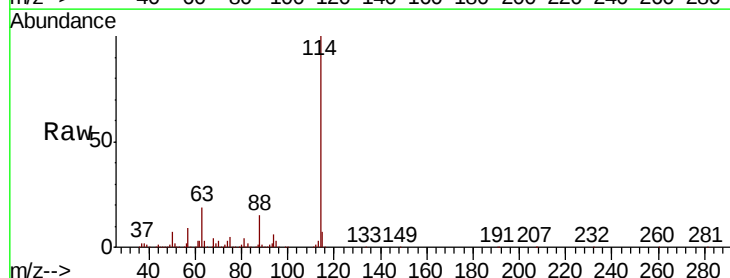
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 13RE

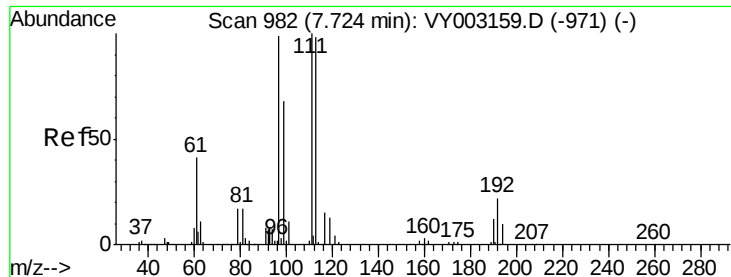
Tot Ion: 65 Resp: 203268  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003297.D  
 Acq: 22 Jul 2020 18:45

Tgt Ion: 114 Resp: 612920  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 41.2  
 88 15.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 54.649 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003297.D

Acq: 22 Jul 2020 18:45

Instrument :

MSVOA\_Y

ClientSampled :

13RE

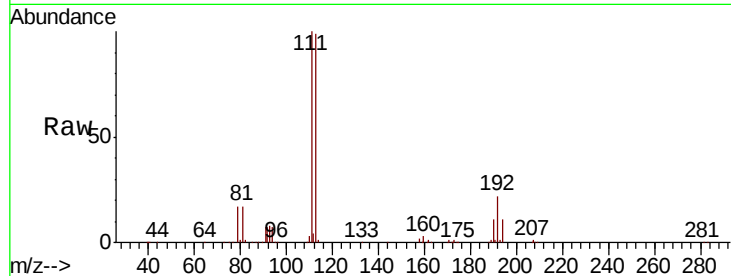
Tot Ion:113 Resp: 192758

Ion Ratio Lower Upper

113 100

111 102.5 82.1 123.1

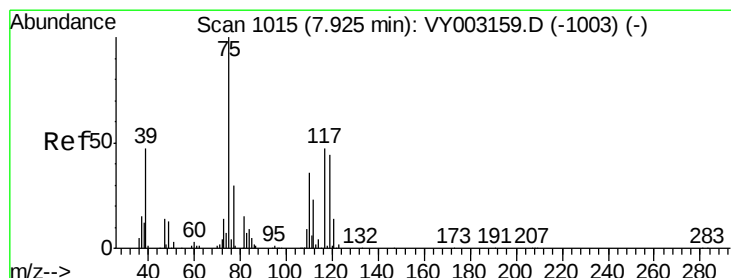
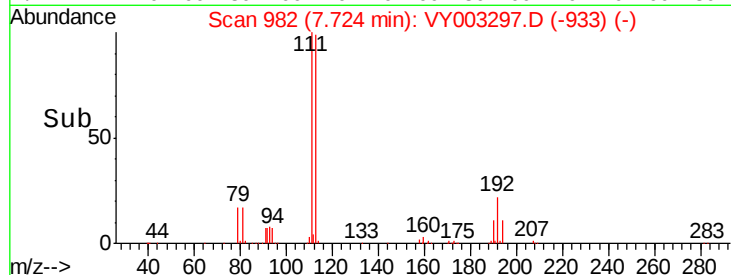
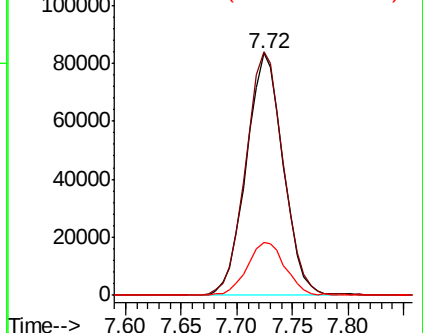
192 22.7 18.8 28.2



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



#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003297.D

Acq: 22 Jul 2020 18:45

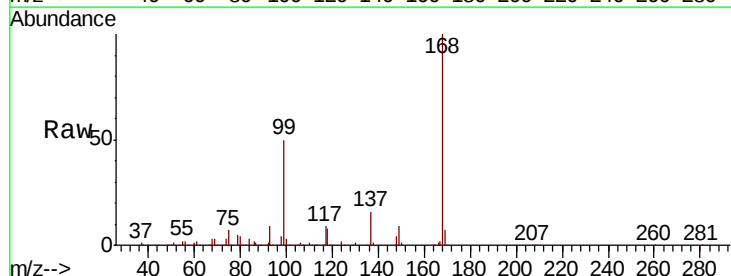
Tgt Ion: 75 Resp: 27108

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

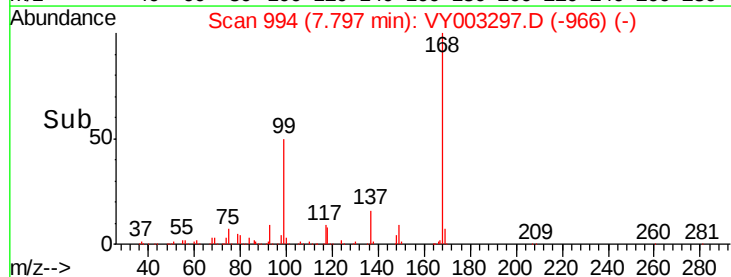
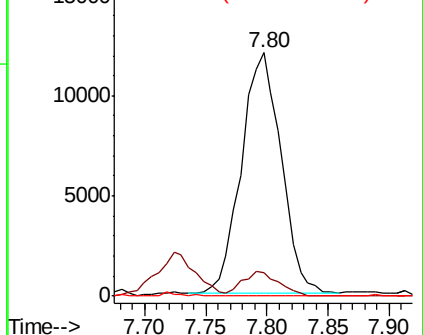
77 0.0 24.8 37.2#

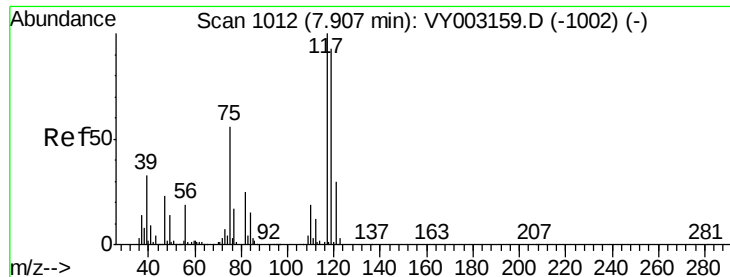


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

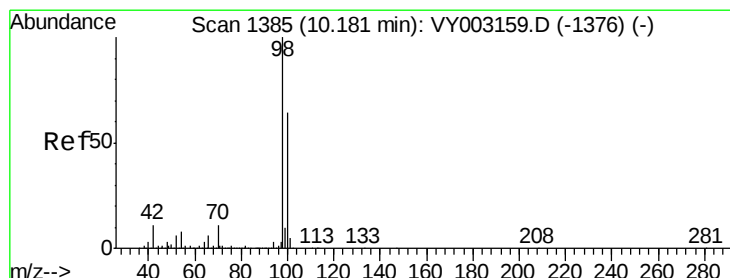
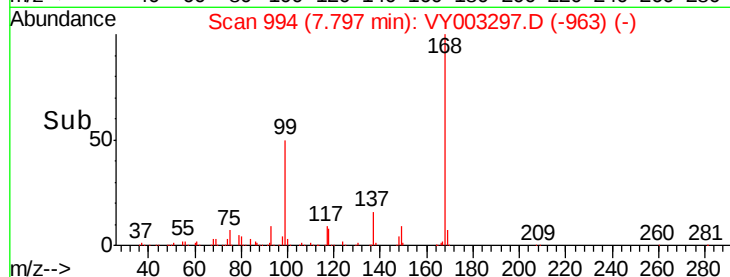
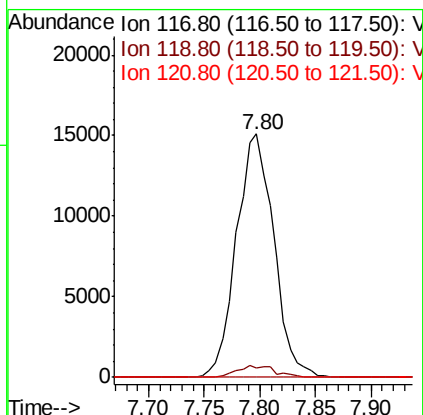
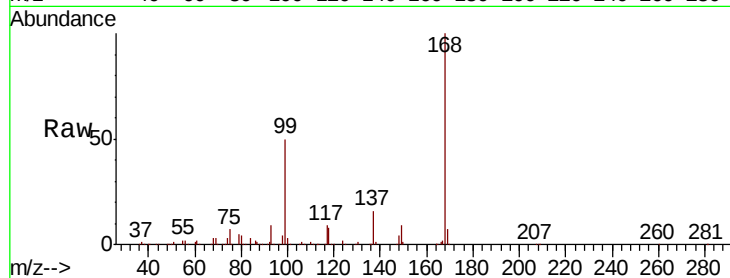




#38  
Carbon Tetrachloride  
Concen: 6.151 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. -0.11 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

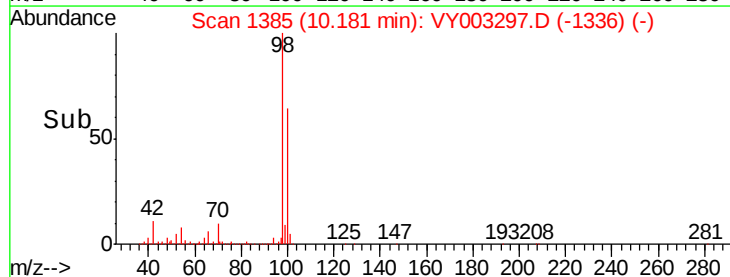
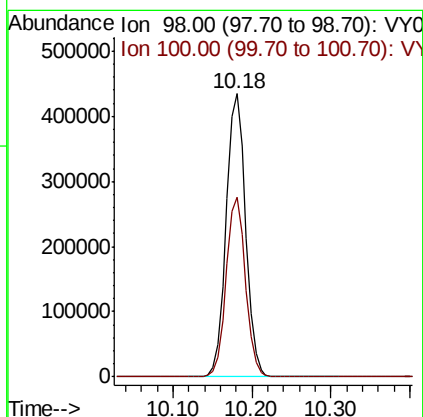
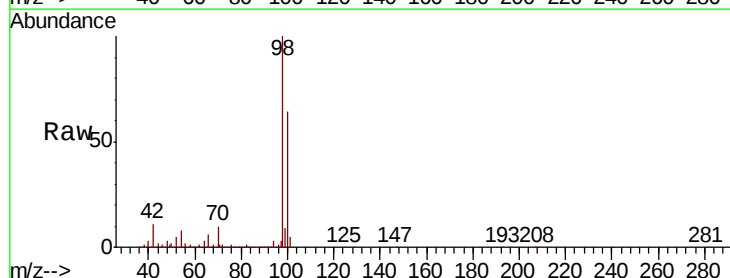
Instrument :  
MSVOA\_Y  
ClientSampled :  
13RE

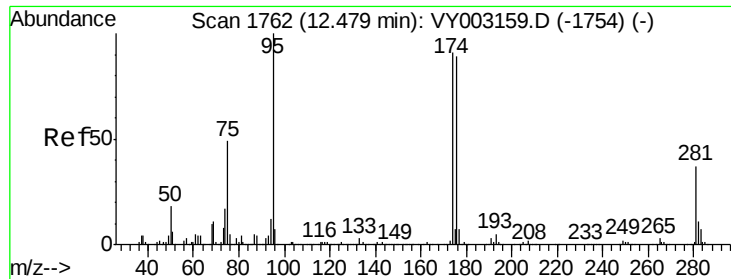
Tot Ion:117 Resp: 35276  
Ion Ratio Lower Upper  
117 100  
119 4.0 74.5 111.7#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 56.843 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

Tgt Ion: 98 Resp: 745420  
Ion Ratio Lower Upper  
98 100  
100 62.8 50.7 76.1

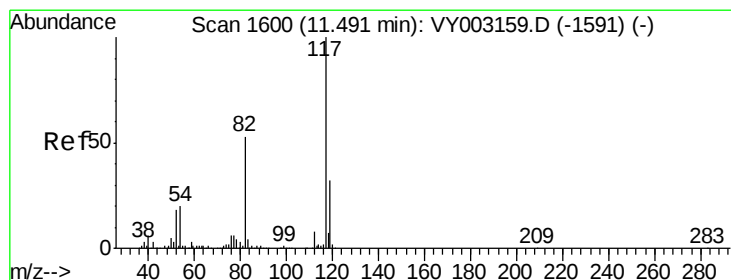
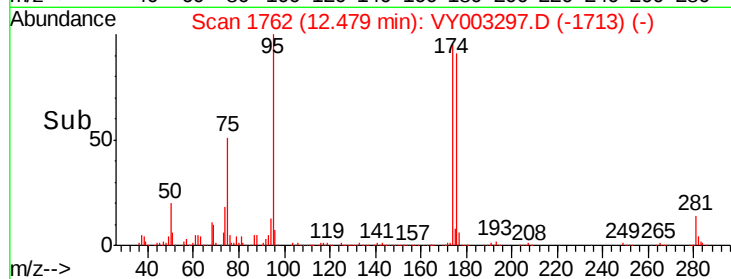
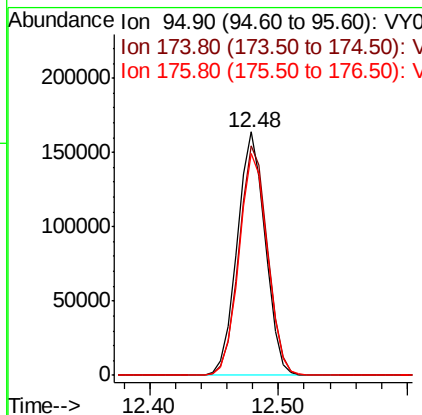
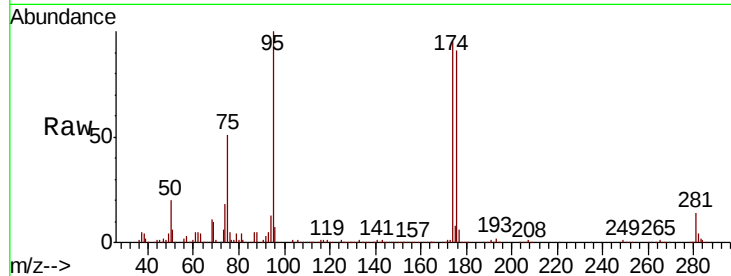




#62  
4-Bromofluorobenzene  
Concen: 51.984 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

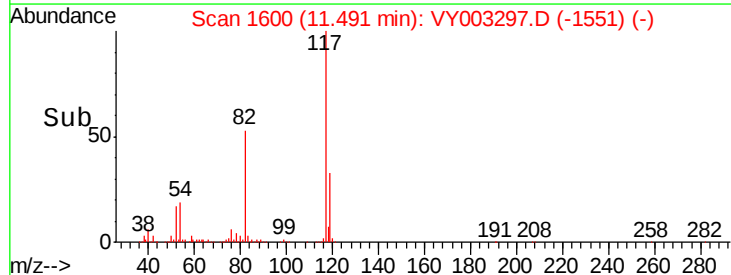
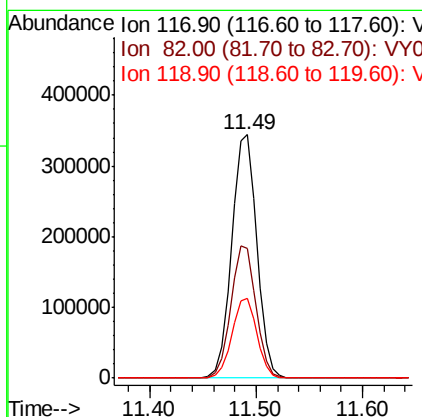
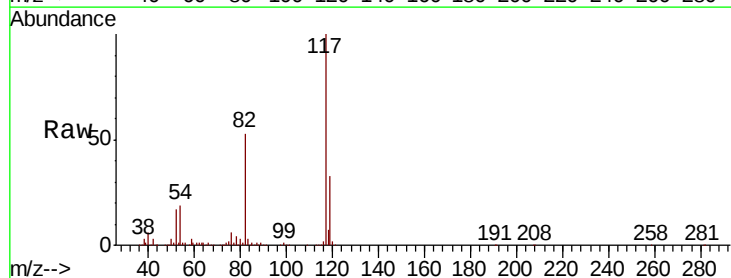
Instrument :  
MSVOA\_Y  
ClientSampled :  
13RE

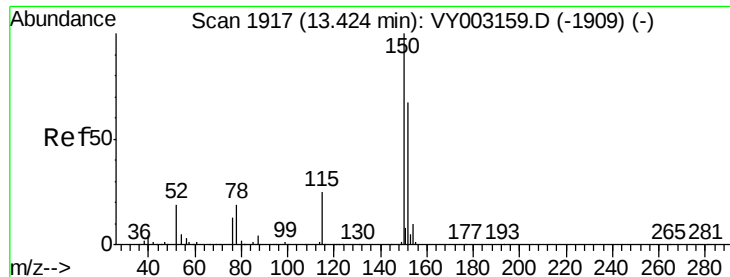
Tot Ion: 95 Resp: 246269  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 190.6  
176 92.2 0.0 186.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

Tgt Ion: 117 Resp: 570745  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.0 63.0  
119 32.9 25.5 38.3



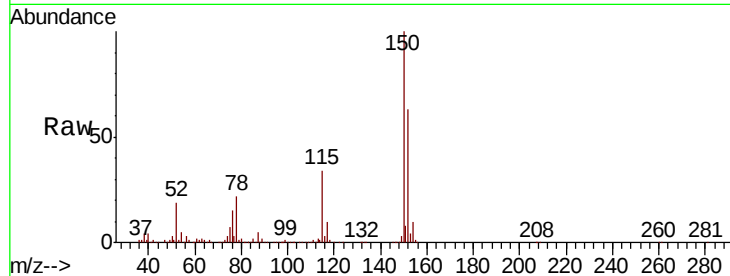


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

Instrument :  
MSVOA\_Y  
ClientSampled :  
13RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 26.9  | 80.7  |
| 150     | 156.7 | 0.0   | 338.0 |

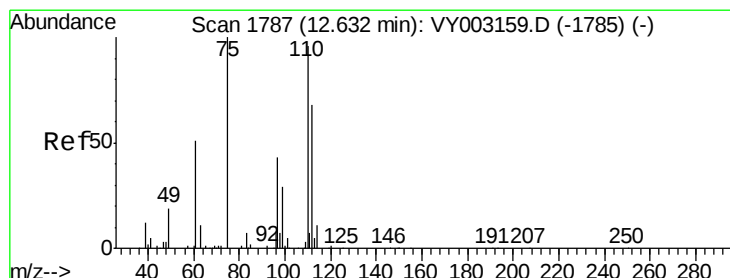
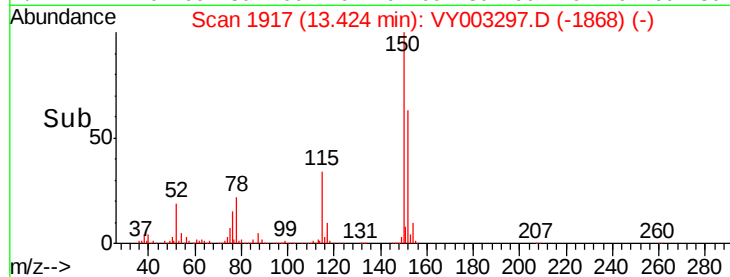
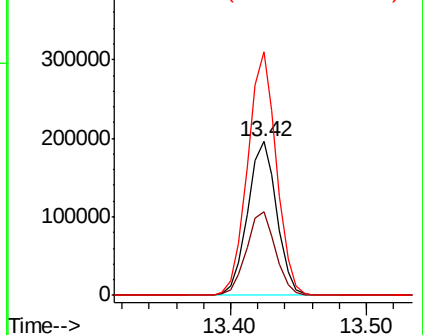


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

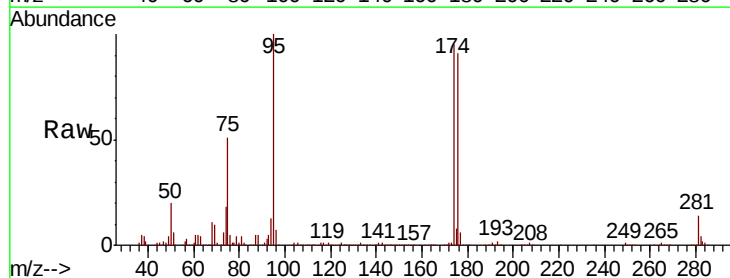
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane  
Concen: 48.703 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.15 min  
Lab File: VY003297.D  
Acq: 22 Jul 2020 18:45

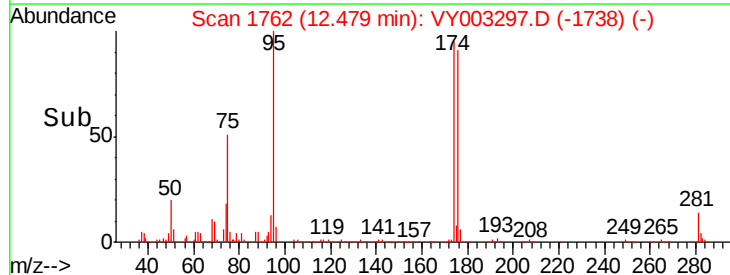
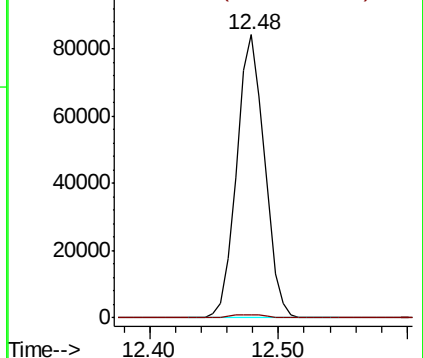
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 1.5   | 0.0   | 0.0#  |

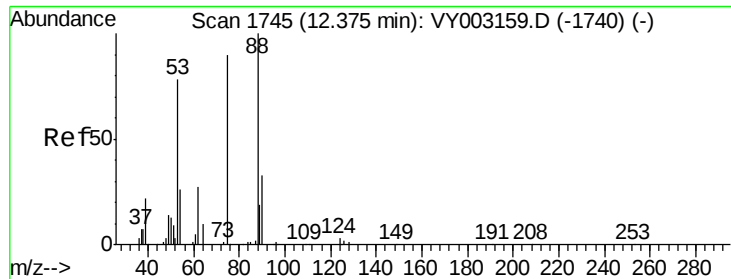


Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 94.785 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003297.D

Acq: 22 Jul 2020 18:45

Instrument :

MSVOA\_Y

ClientSampleId :

13RE

Tot Ion: 75 Resp: 126170

Ion Ratio Lower Upper

75 100

53 0.1 72.0 108.0#

89 0.0 37.3 55.9#

