

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\  
 Data File : VY003282.D  
 Acq On : 22 Jul 2020 12:45  
 Operator : SY/MD  
 Sample : L3335-02RE  
 Misc : 7.35G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-12-S2

Quant Time: Jul 23 05:42:09 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

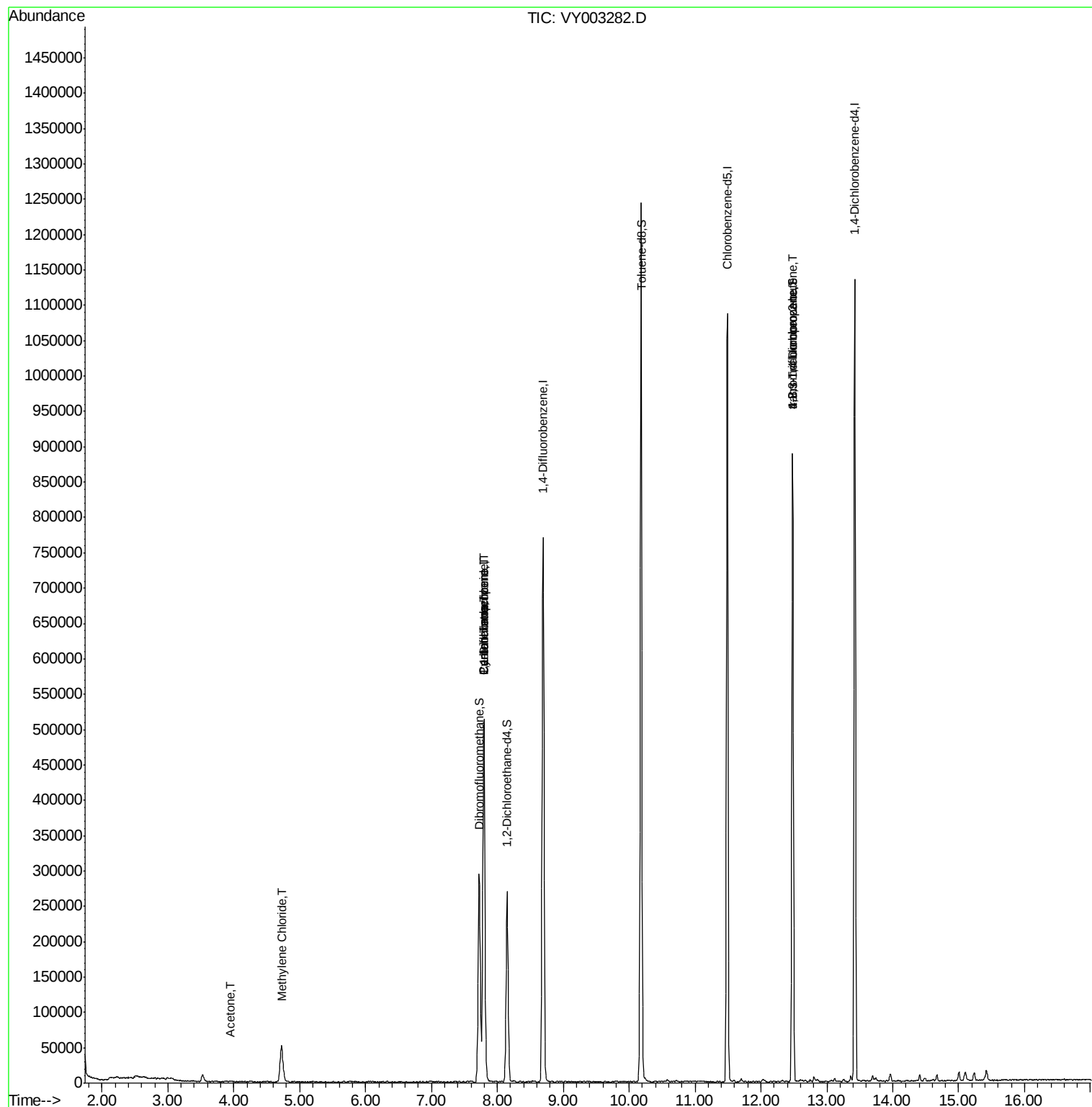
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 423635   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.69  | 114  | 660511   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.49 | 117  | 603833   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.42 | 152  | 298509   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.14  | 65   | 211220   | 59.07  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 118.14% |          |
| 35) Dibromofluoromethane       | 7.72  | 113  | 205402   | 54.04  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 108.08% |          |
| 50) Toluene-d8                 | 10.18 | 98   | 802094   | 56.76  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 113.52% |          |
| 62) 4-Bromofluorobenzene       | 12.48 | 95   | 254865   | 49.92  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 99.84%  |          |
| Target Compounds               |       |      |          |        |         |          |
|                                |       |      |          |        | Qvalue  |          |
| 16) Acetone                    | 3.95  | 43   | 1012     | 1.267  | ug/l #  | 65       |
| 20) Methylene Chloride         | 4.72  | 84   | 38592    | 4.615  | ug/l    | 96       |
| 31) Cyclohexane                | 7.80  | 56   | 7671     | 1.179  | ug/l #  | 5        |
| 36) 1,1-Dichloropropene        | 7.79  | 75   | 28331    | 4.733  | ug/l #  | 50       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 37388    | 6.050  | ug/l #  | 17       |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 130283   | 49.306 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 130283   | 95.960 | ug/l #  | 13       |

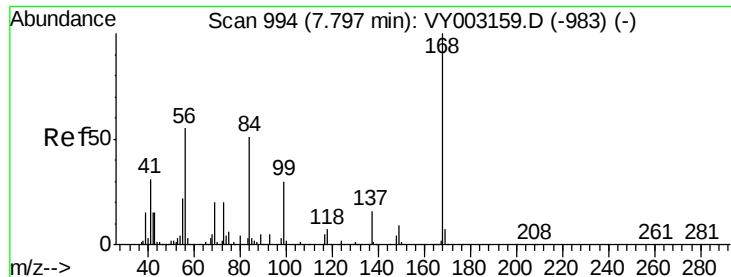
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003282.D

Acq: 22 Jul 2020 12:45

Instrument :

MSVOA\_Y

ClientSampled :

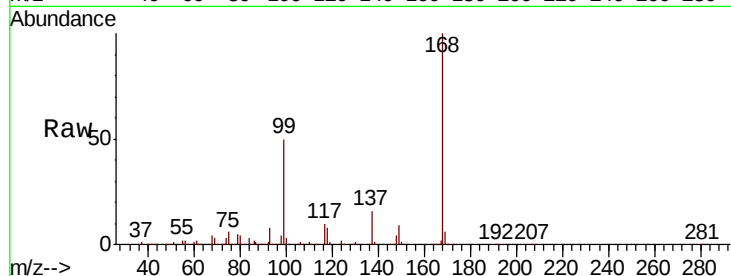
TP-12-S2

Tot Ion:168 Resp: 423635

Ion Ratio Lower Upper

168 100

99 50.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003282.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003282.D (-945) (-)

7.80

200000

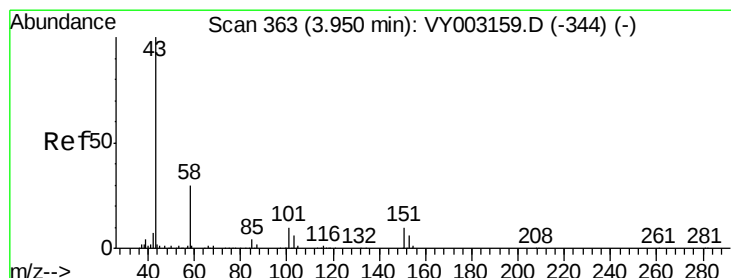
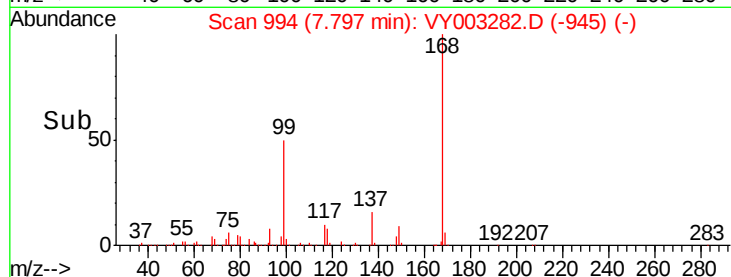
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.267 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY003282.D

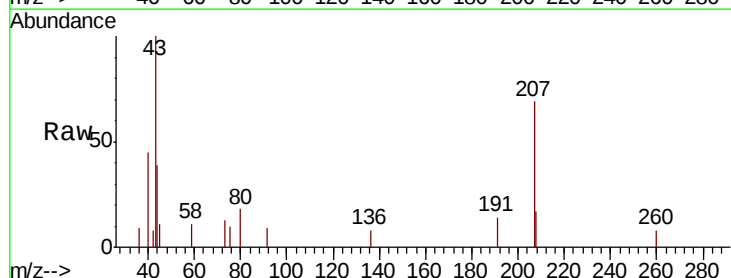
Acq: 22 Jul 2020 12:45

Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

43 100

58 11.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VY003282.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003282.D (-314) (-)

3.95

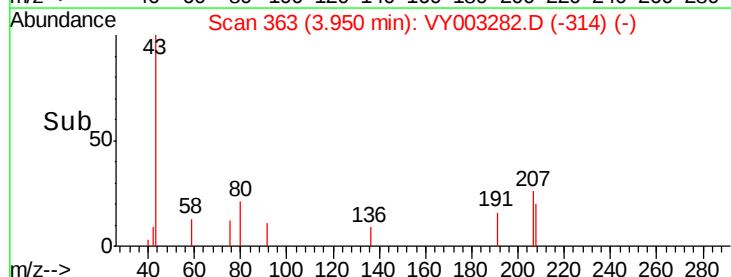
600

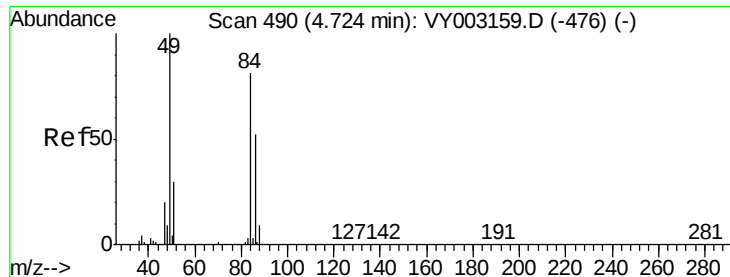
400

200

0

Time-->

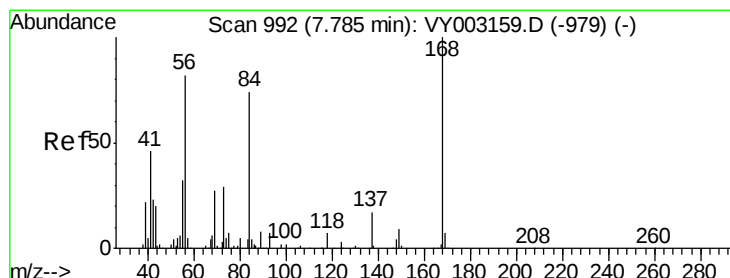
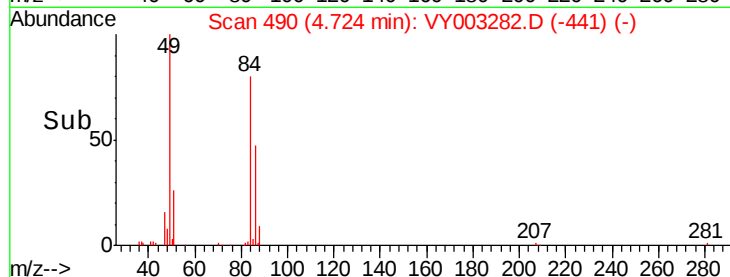
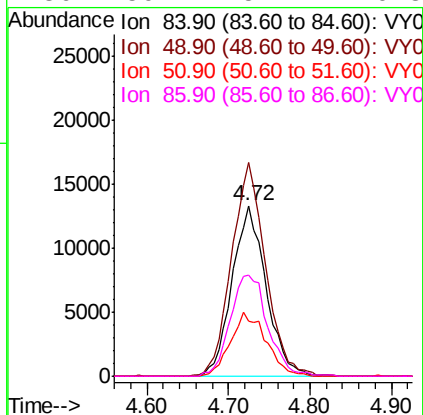
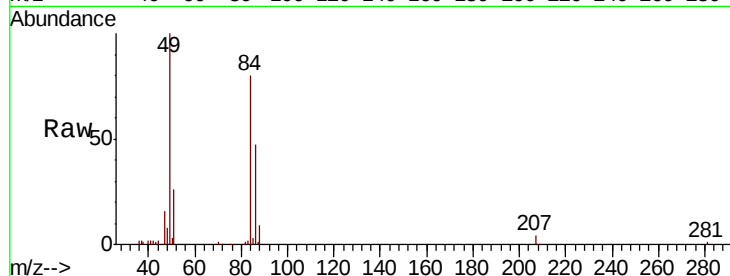




#20  
Methvlene Chloride  
Concen: 4.615 ug/l  
RT: 4.72 min Scan# 490  
Delta R.T. 0.00 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

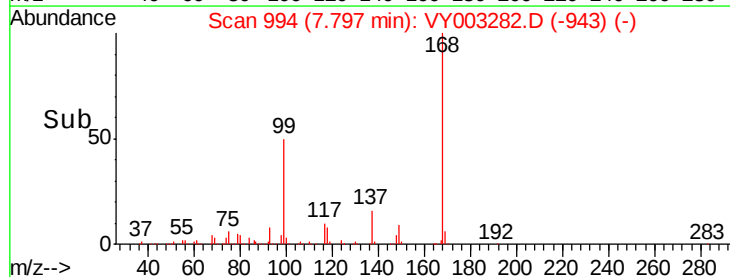
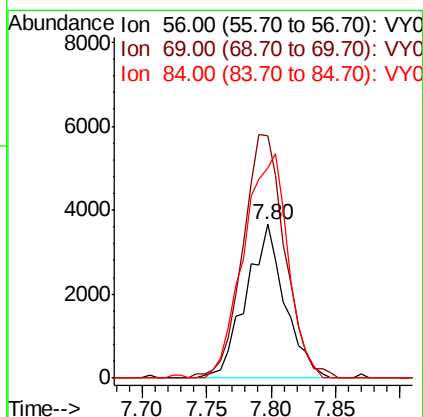
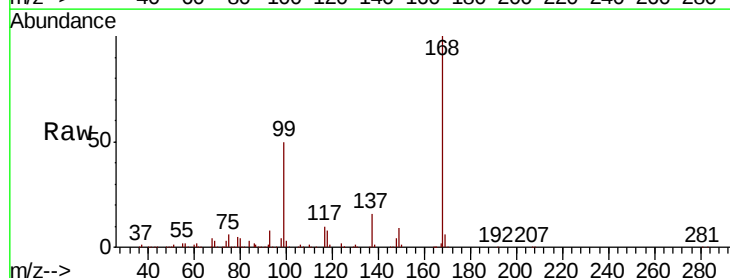
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-12-S2

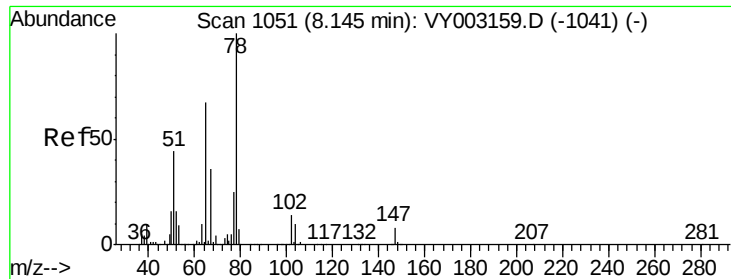
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 38592 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 125.1 | 98.2  | 147.4 |
| 51       | 32.2  | 29.8  | 44.6  |
| 86       | 59.1  | 51.2  | 76.8  |



#31  
Cyclohexane  
Concen: 1.179 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. 0.01 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 7671   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 157.3 | 26.7  | 40.1#  |
| 84       | 136.7 | 72.3  | 108.5# |

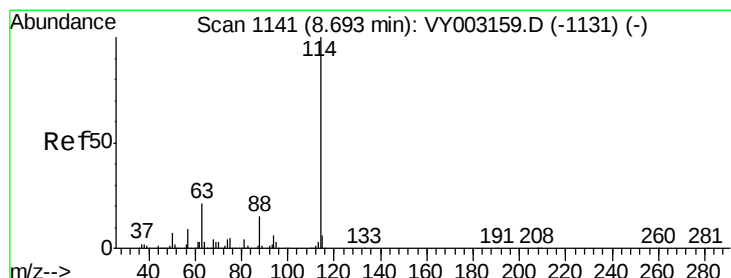
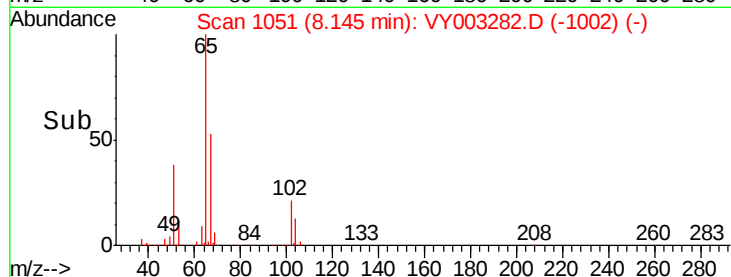
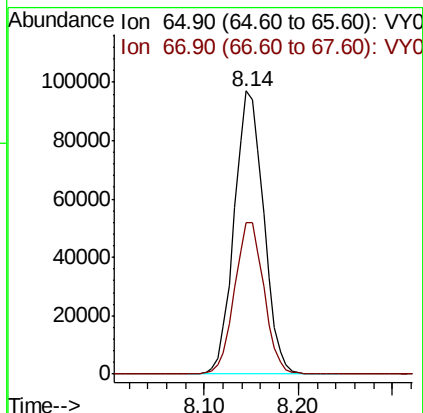
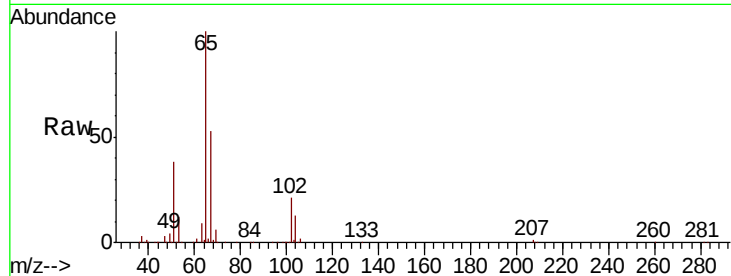




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.072 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VY003282.D  
 Acq: 22 Jul 2020 12:45

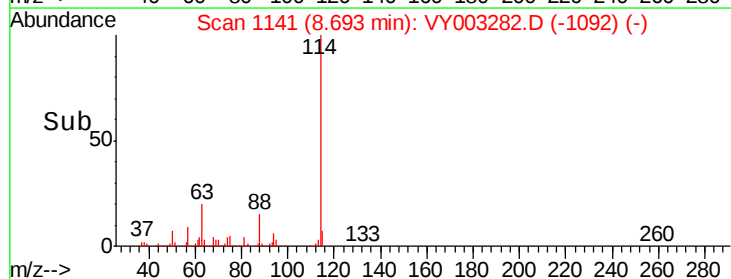
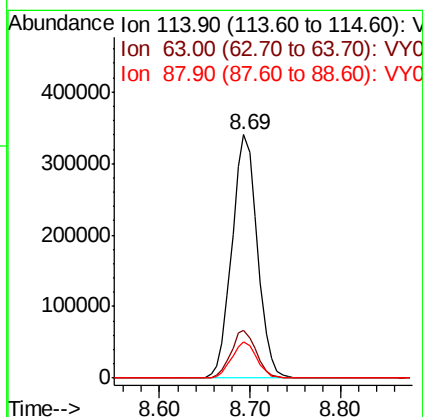
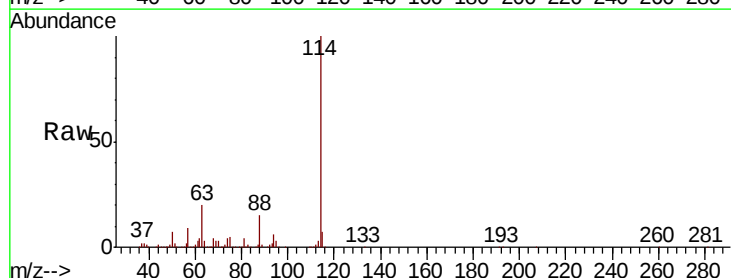
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-12-S2

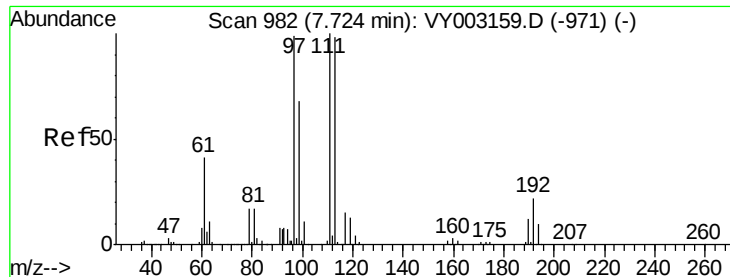
Tot Ion: 65 Resp: 211220  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003282.D  
 Acq: 22 Jul 2020 12:45

Tgt Ion: 114 Resp: 660511  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 41.2  
 88 15.0 0.0 30.2

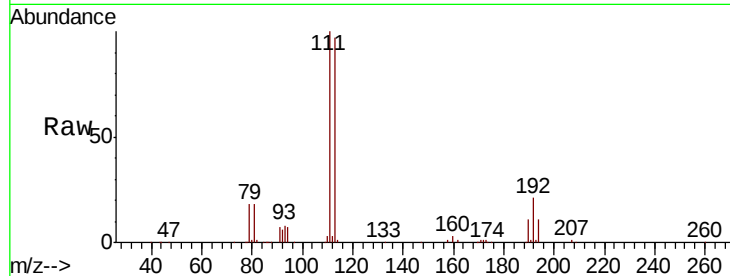




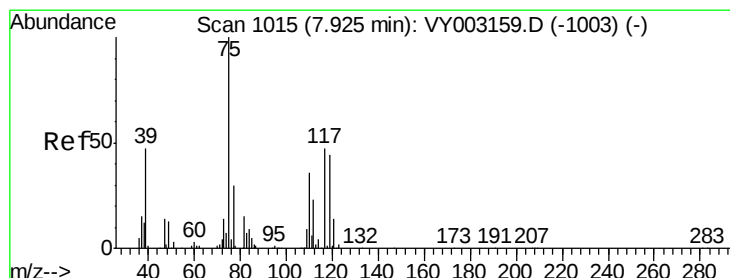
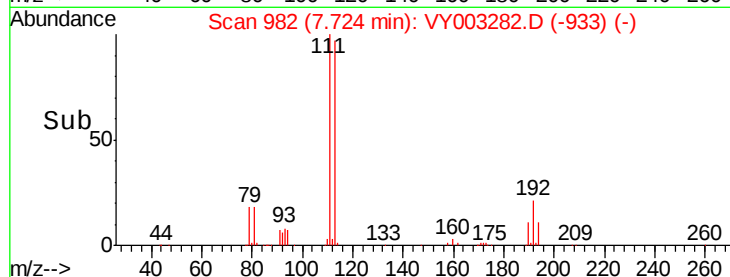
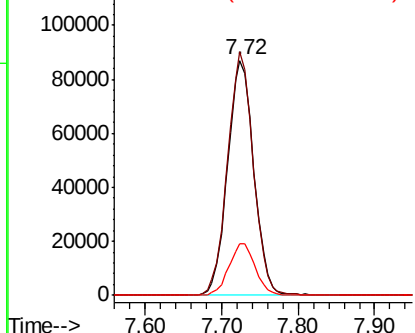
#35  
 Dibromofluoromethane  
 Concen: 54.038 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003282.D  
 Acq: 22 Jul 2020 12:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-12-S2

Tot Ion:113 Resp: 205402  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 82.1 123.1  
 192 22.1 18.8 28.2

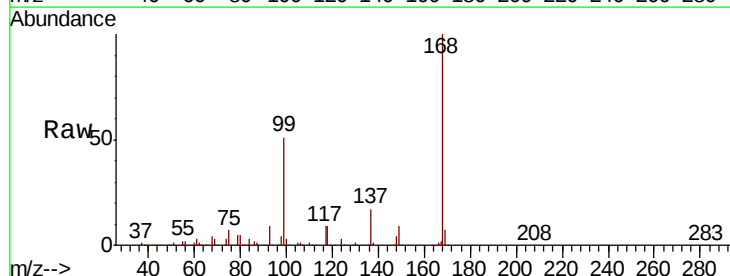


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

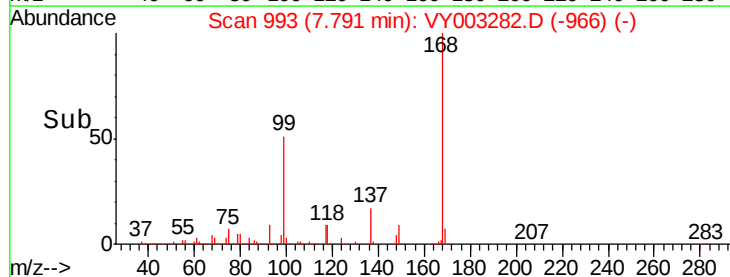
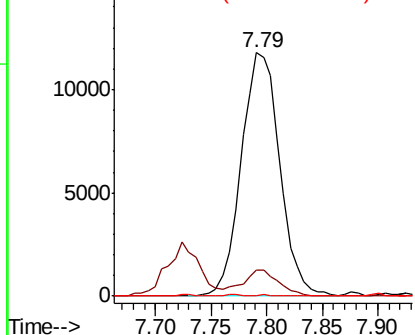


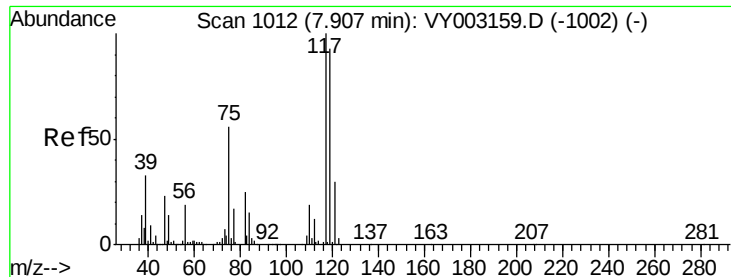
#36  
 1,1-Dichloropropene  
 Concen: 4.733 ug/l  
 RT: 7.79 min Scan# 993  
 Delta R.T. -0.13 min  
 Lab File: VY003282.D  
 Acq: 22 Jul 2020 12:45

Tgt Ion: 75 Resp: 28331  
 Ion Ratio Lower Upper  
 75 100  
 110 9.9 18.1 54.1#  
 77 0.1 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

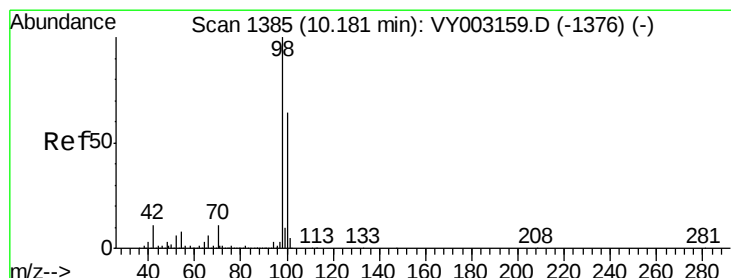
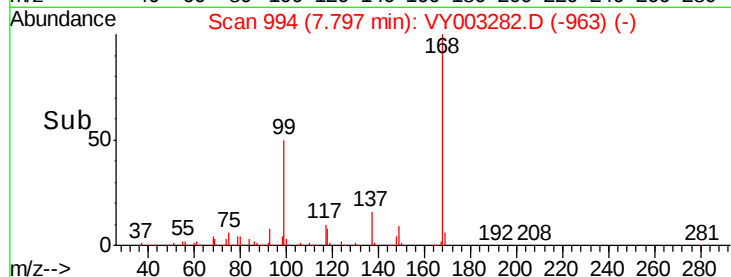
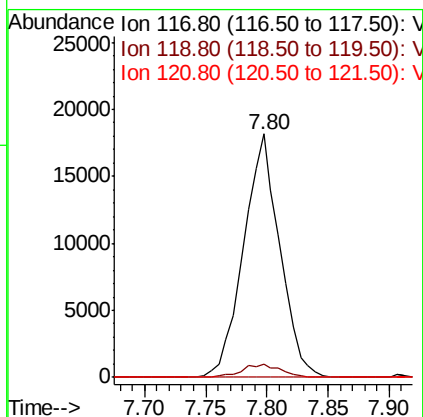
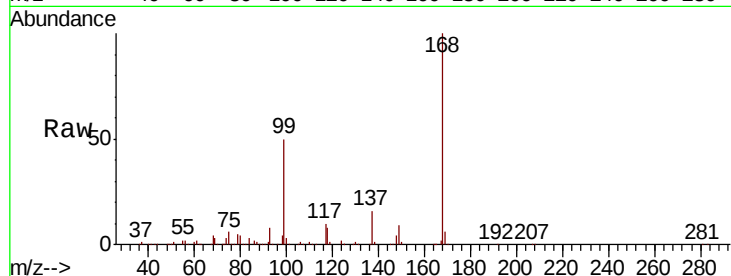




#38  
Carbon Tetrachloride  
Concen: 6.050 ug/l  
RT: 7.80 min Scan# 994  
Delta R.T. -0.11 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

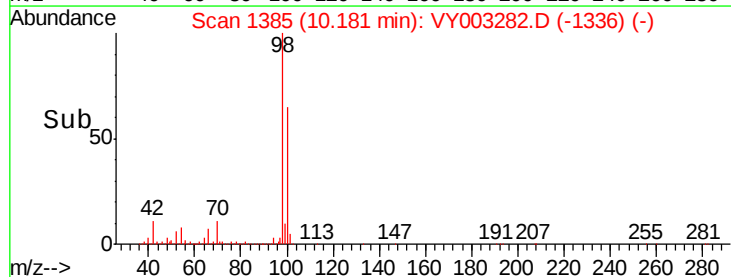
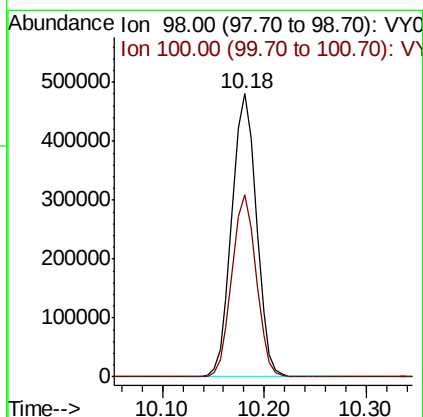
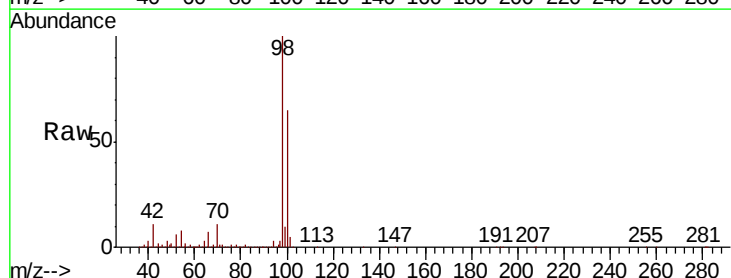
Instrument :  
MSVOA\_Y  
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TP-12-S2

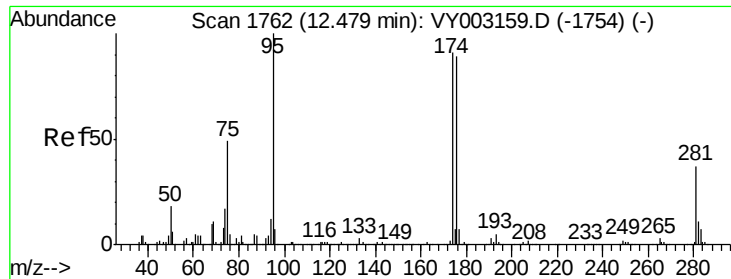
Tot Ion:117 Resp: 37388  
Ion Ratio Lower Upper  
117 100  
119 5.4 74.5 111.7#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 56.758 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

Tgt Ion: 98 Resp: 802094  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.7 76.1

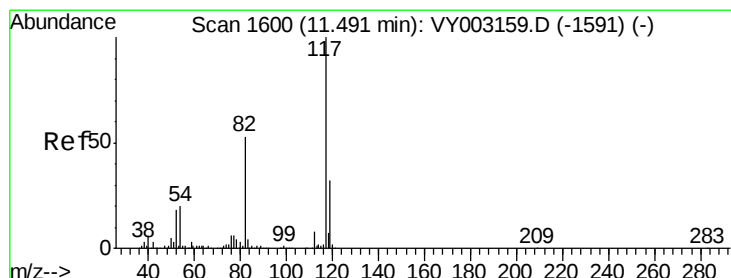
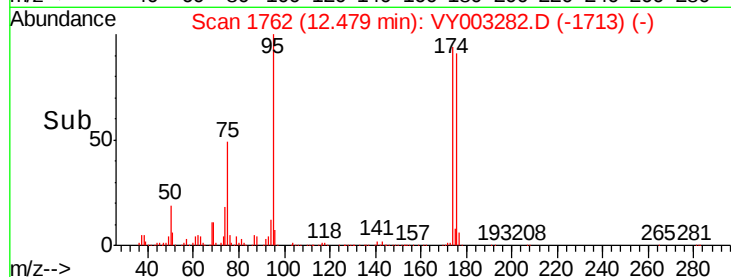
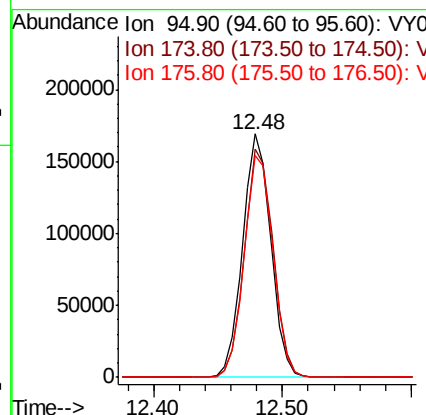
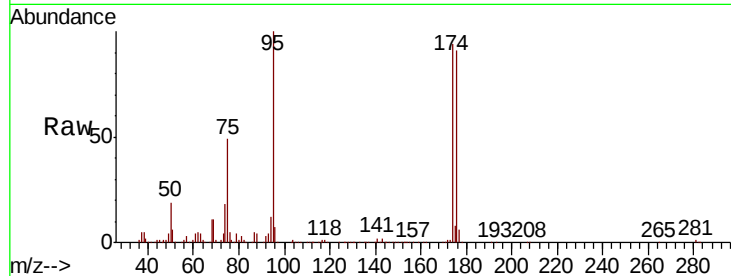




#62  
4-Bromofluorobenzene  
Concen: 49.922 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

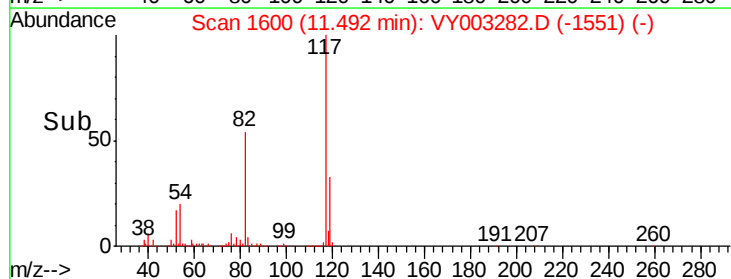
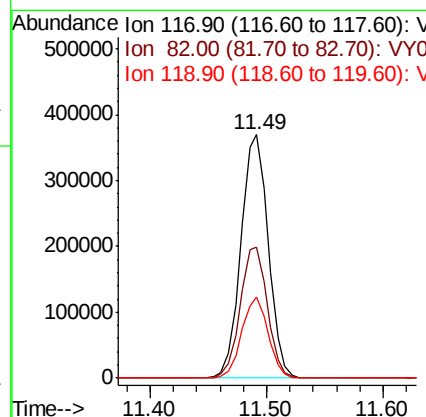
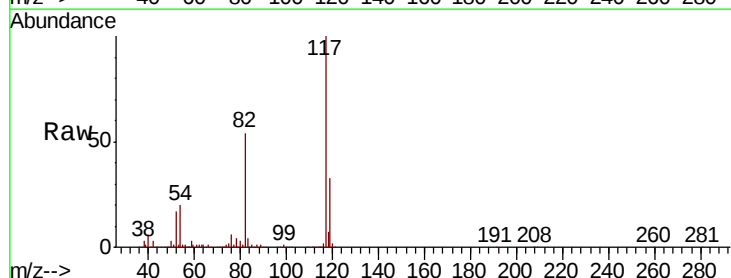
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-12-S2

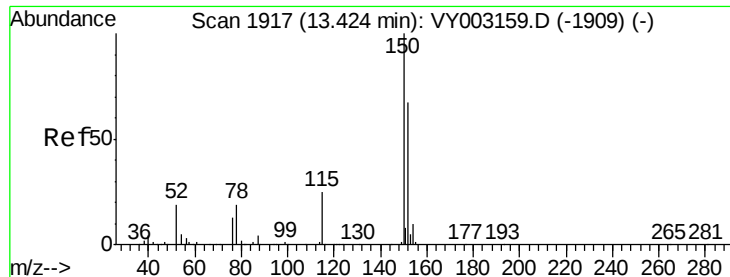
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 95.5  | 0.0   | 190.6 |
| 176     | 93.4  | 0.0   | 186.4 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY003282.D  
Acq: 22 Jul 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.7  | 42.0  | 63.0  |
| 119     | 33.1  | 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: VY003282.D

Acq: 22 Jul 2020 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

TP-12-S2

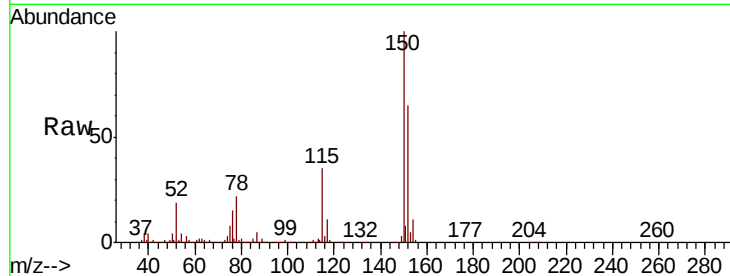
Tot Ion:152 Resp: 298509

Ion Ratio Lower Upper

152 100

115 53.8 26.9 80.7

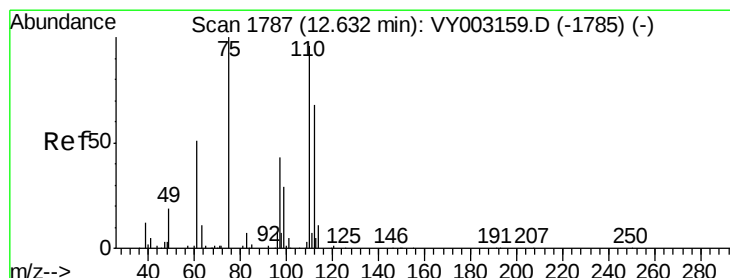
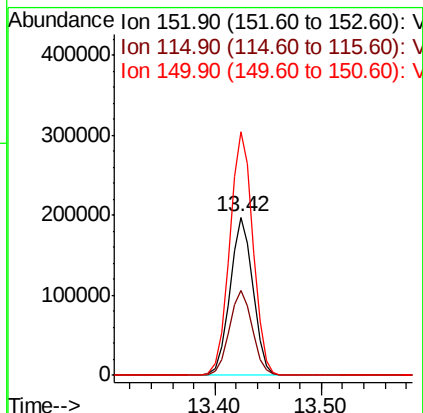
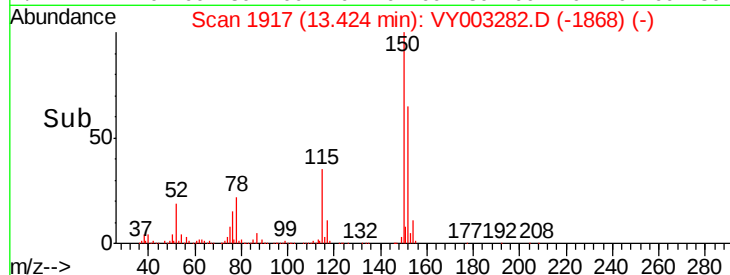
150 155.8 0.0 338.0



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: 49.306 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003282.D

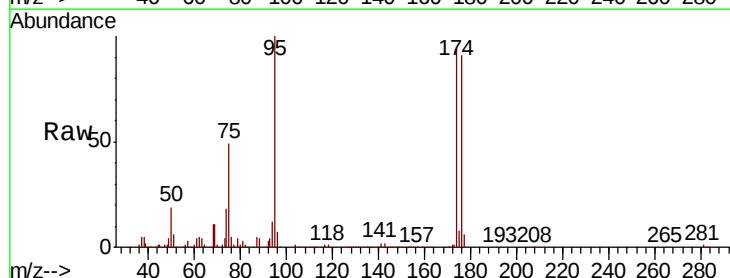
Acq: 22 Jul 2020 12:45

Tgt Ion: 75 Resp: 130283

Ion Ratio Lower Upper

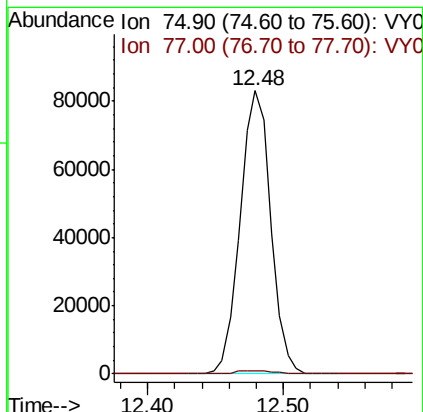
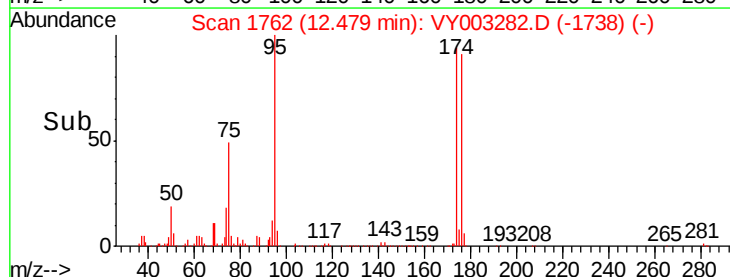
75 100

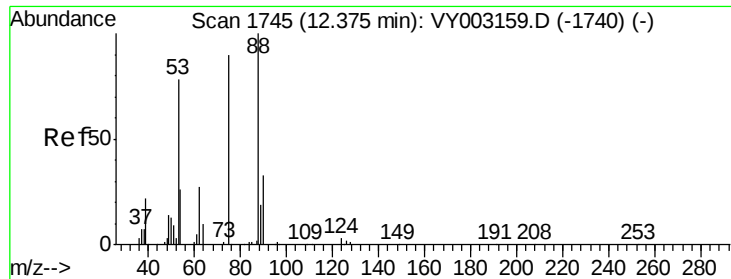
77 1.5 0.0 0.0#



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: 95.960 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003282.D

Acq: 22 Jul 2020 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

TP-12-S2

Tot Ion: 75 Resp: 130283

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 37.3 55.9#

