

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050520\  
 Data File : VY002591.D  
 Acq On : 05 May 2020 16:58  
 Operator : SY/MD  
 Sample : L2483-06  
 Misc : 5.65G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6FT-TP-3

Quant Time: May 06 03:21:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y043020S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 04 12:22:08 2020  
 Response via : Initial Calibration

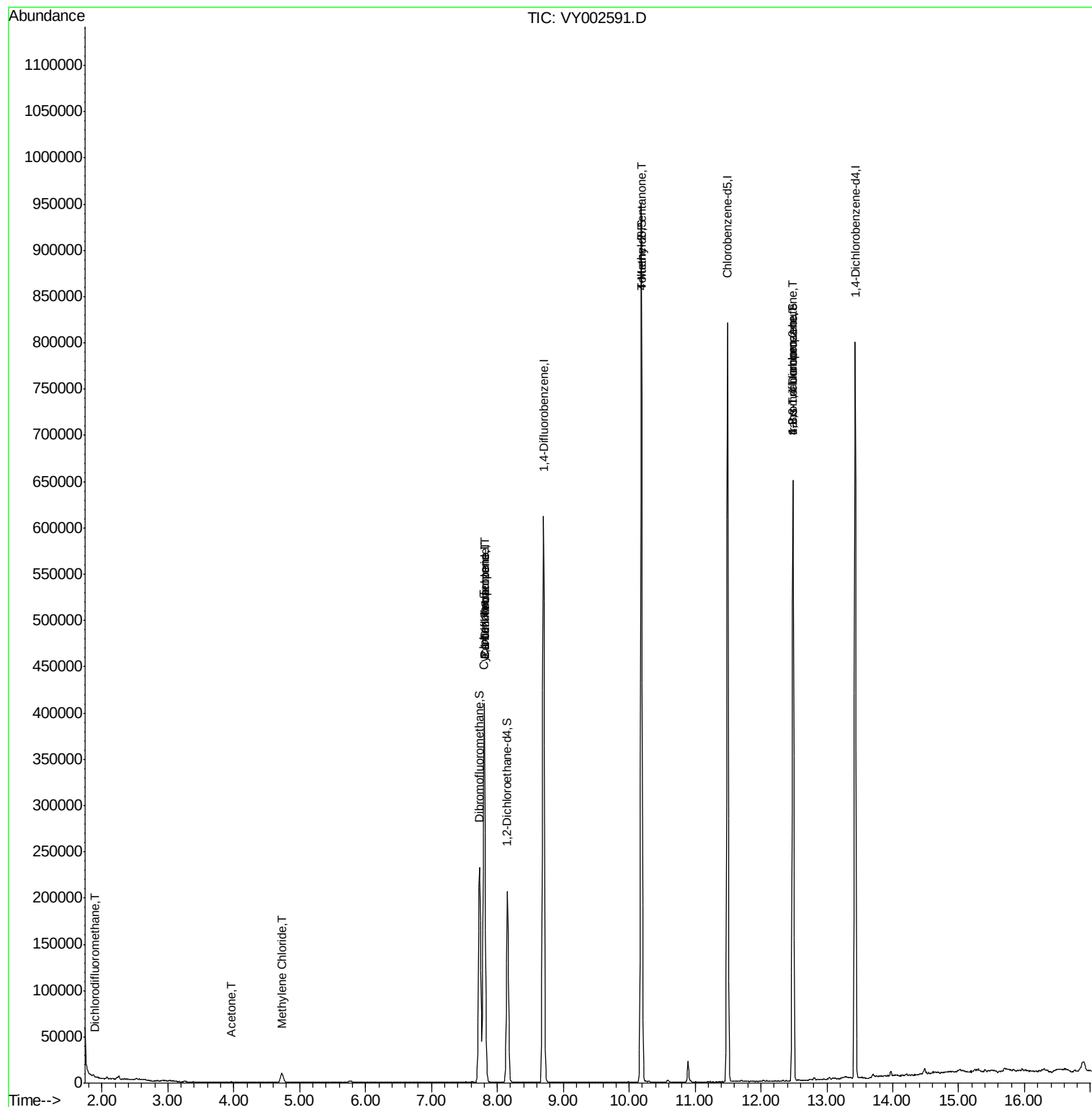
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|--------------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene          | 7.80  | 168  | 348298   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.70  | 114  | 550770   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.50 | 117  | 481556   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.43 | 152  | 217523   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.15  | 65   | 159447   | 54.45  | ug/l    | -0.01    |
| Spiked Amount 50.000           |       |      | Recovery | =      | 108.90% |          |
| 35) Dibromofluoromethane       | 7.73  | 113  | 165532   | 52.55  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 105.10% |          |
| 50) Toluene-d8                 | 10.19 | 98   | 640768   | 52.09  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 104.18% |          |
| 62) 4-Bromofluorobenzene       | 12.49 | 95   | 199207   | 47.73  | ug/l    | 0.00     |
| Spiked Amount 50.000           |       |      | Recovery | =      | 95.46%  |          |
| Target Compounds               |       |      |          |        |         |          |
|                                |       |      |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane     | 1.90  | 85   | 44       | 1.799  | ug/l #  | 43       |
| 16) Acetone                    | 3.96  | 43   | 855      | 1.415  | ug/l #  | 70       |
| 20) Methylene Chloride         | 4.72  | 84   | 7963     | 2.356  | ug/l    | 95       |
| 31) Cyclohexane                | 7.79  | 56   | 5511     | 1.047  | ug/l #  | 2        |
| 36) 1,1-Dichloropropene        | 7.80  | 75   | 22427    | 4.857  | ug/l #  | 49       |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 30766    | 6.103  | ug/l #  | 15       |
| 51) 4-Methyl-2-Pentanone       | 10.19 | 43   | 2347     | 1.024  | ug/l #  | 1        |
| 76) 1,2,3-Trichloropropane     | 12.49 | 75   | 96027    | 49.676 | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49 | 75   | 96027    | 99.611 | ug/l #  | 15       |

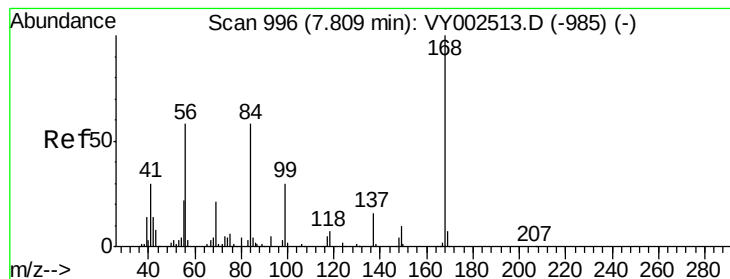
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon May 04 12:22:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

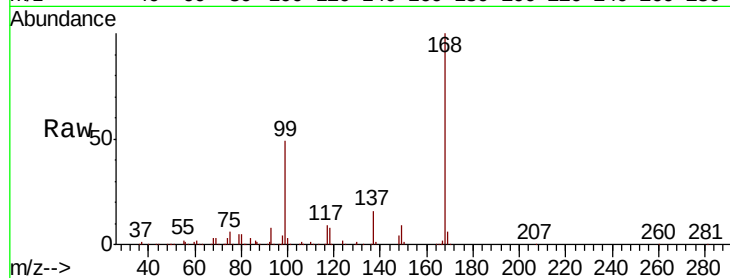
6FT-TP-3

Tot Ion:168 Resp: 348298

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

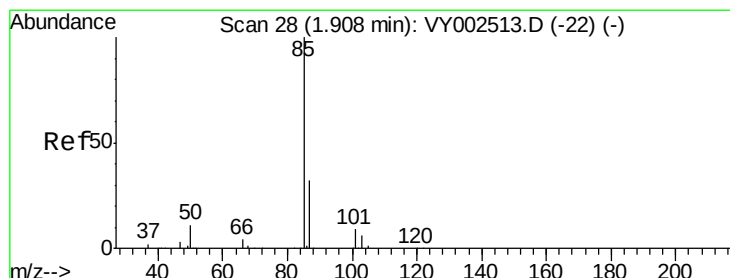
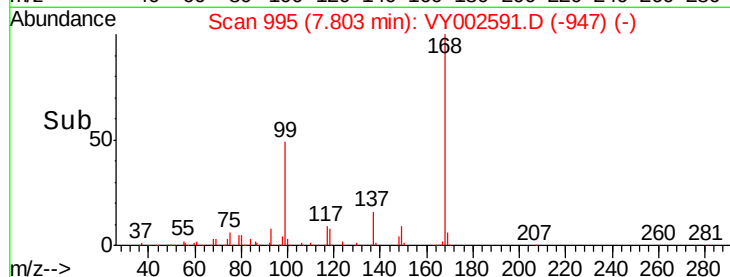
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.799 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY002591.D

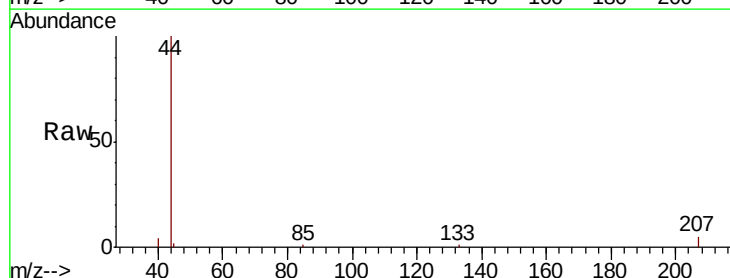
Acq: 05 May 2020 16:58

Tgt Ion: 85 Resp: 44

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.90

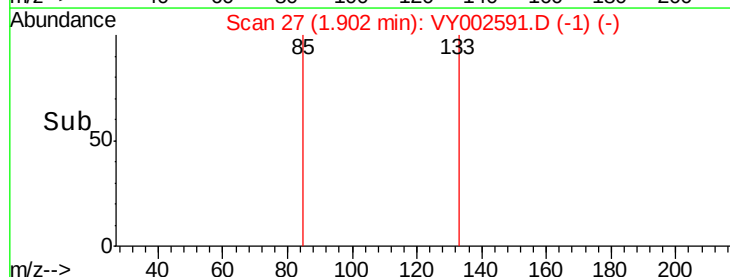
60

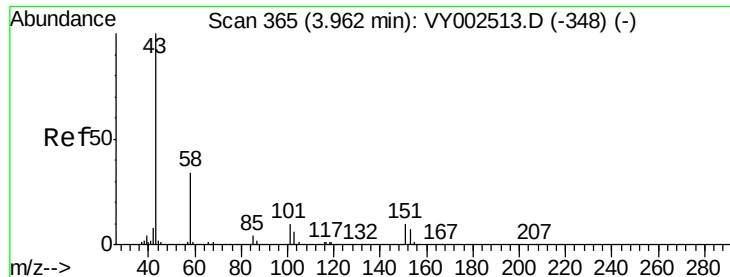
40

20

0

Time-->





#16

Acetone

Concen: 1.415 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

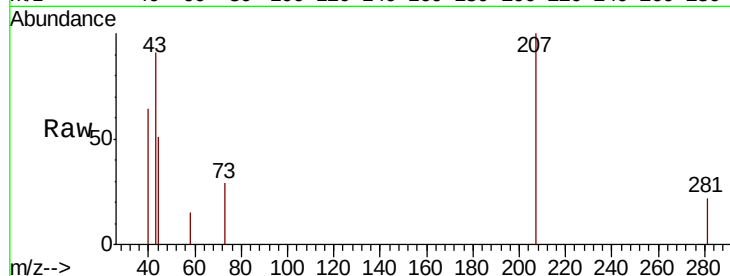
6FT-TP-3

Tot Ion: 43 Resp: 855

Ion Ratio Lower Upper

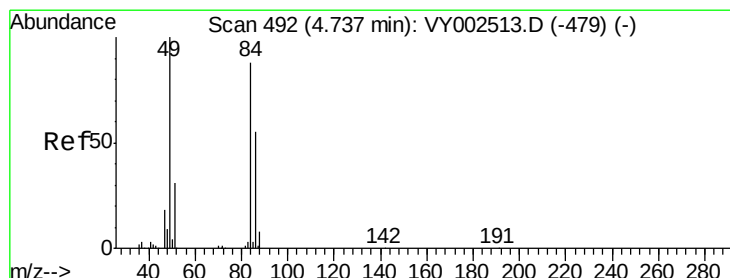
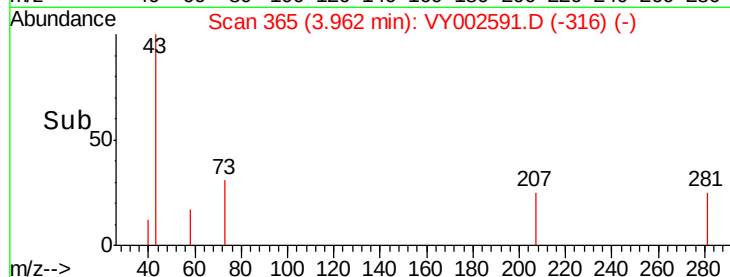
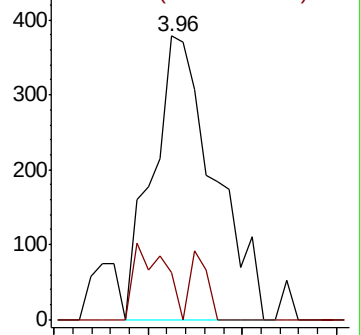
43 100

58 16.7 26.9 40.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 2.356 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Tgt Ion: 84 Resp: 7963

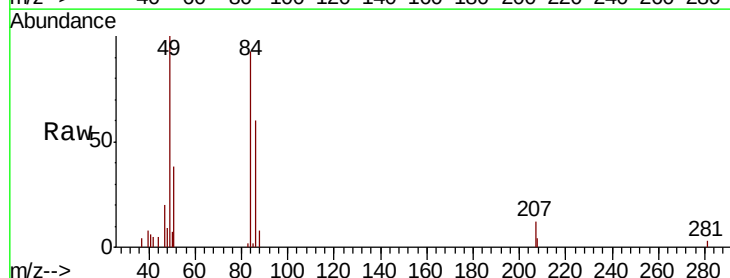
Ion Ratio Lower Upper

84 100

49 107.8 90.5 135.7

51 40.6 28.3 42.5

86 64.7 49.9 74.9

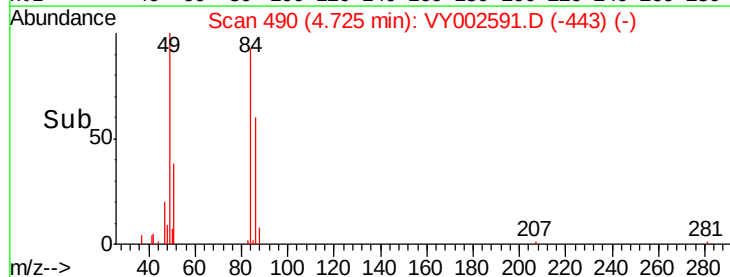
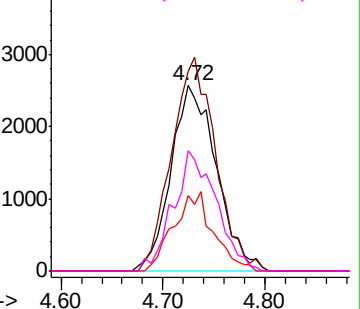


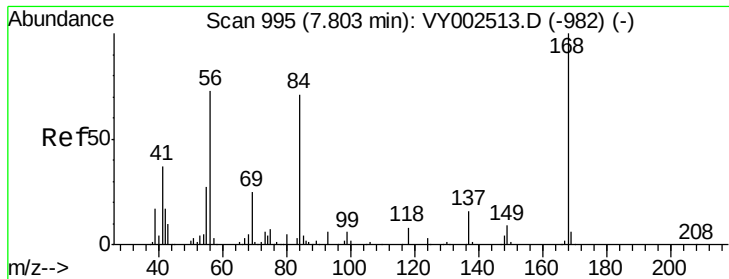
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

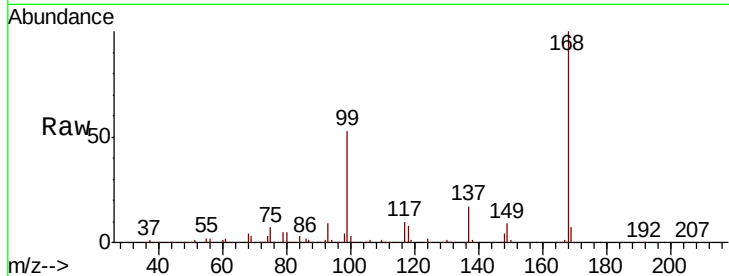




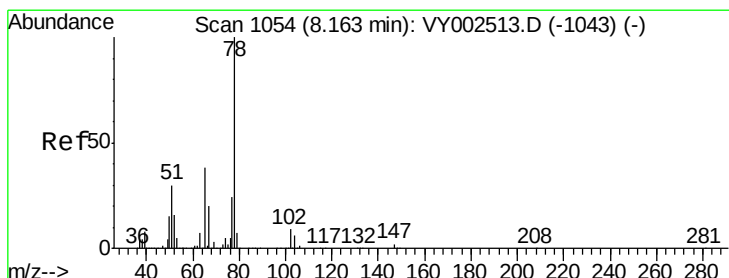
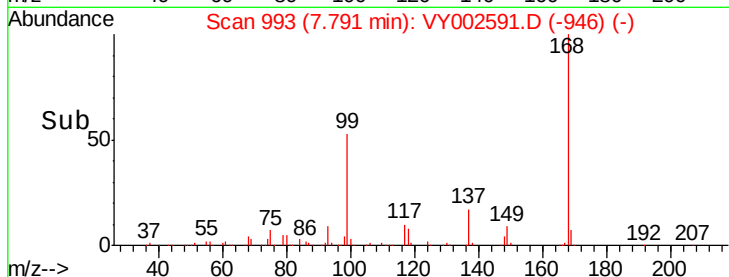
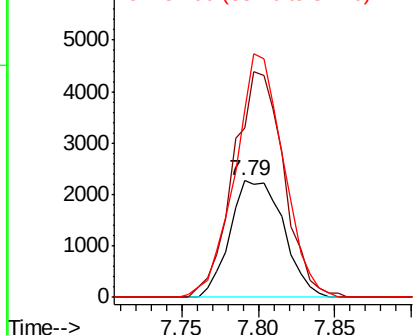
#31  
Cyclohexane  
Concen: 1.047 ug/l  
RT: 7.79 min Scan# 993  
Delta R.T. -0.01 min  
Lab File: VY002591.D  
Acq: 05 May 2020 16:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
6FT-TP-3

Tot Ion: 56 Resp: 5511  
Ion Ratio Lower Upper  
56 100  
69 145.0 27.6 41.4#  
84 160.7 77.7 116.5#

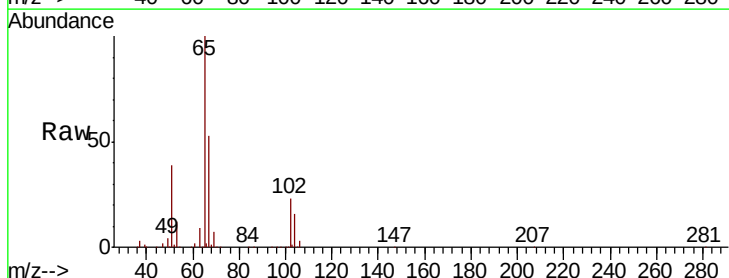


Abundance Ion 56.00 (55.70 to 56.70): VY0  
Ion 69.00 (68.70 to 69.70): VY0  
Ion 84.00 (83.70 to 84.70): VY0

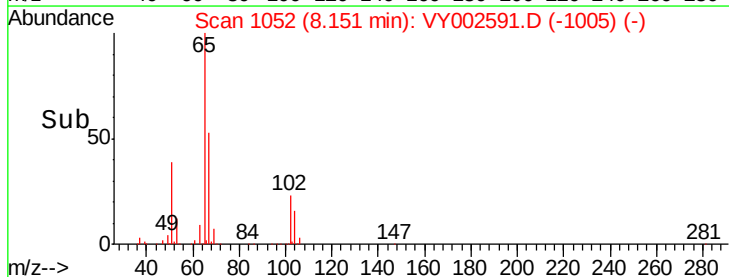
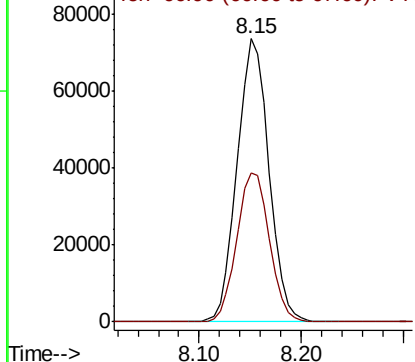


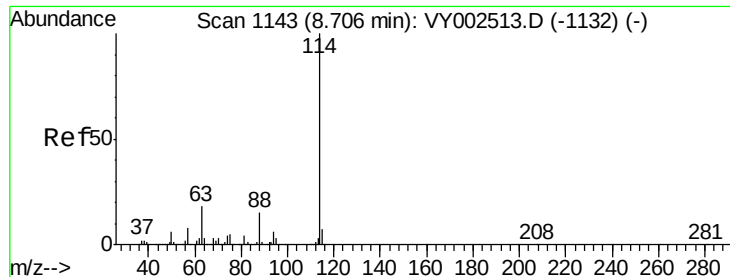
#33  
1,2-Dichloroethane-d4  
Concen: 54.446 ug/l  
RT: 8.15 min Scan# 1052  
Delta R.T. -0.01 min  
Lab File: VY002591.D  
Acq: 05 May 2020 16:58

Tgt Ion: 65 Resp: 159447  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0  
Ion 66.90 (66.60 to 67.60): VY0

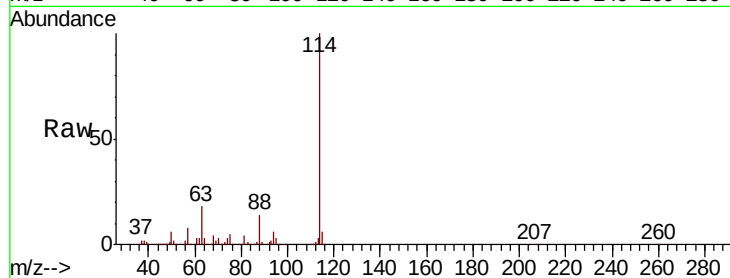




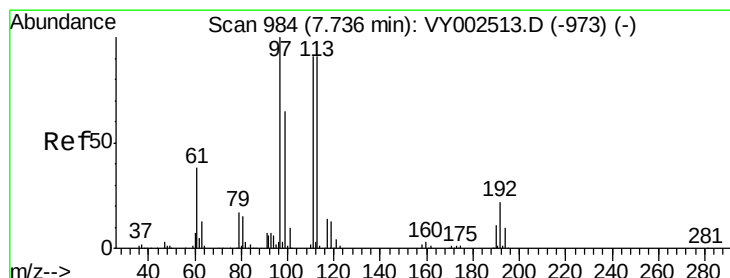
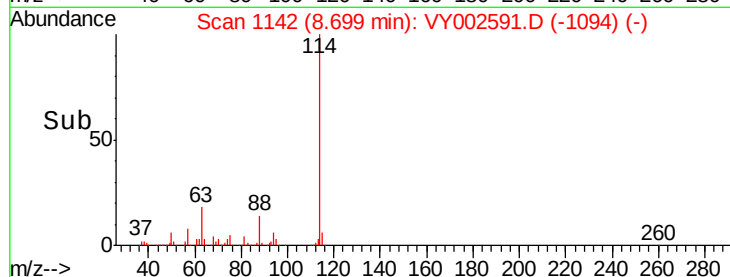
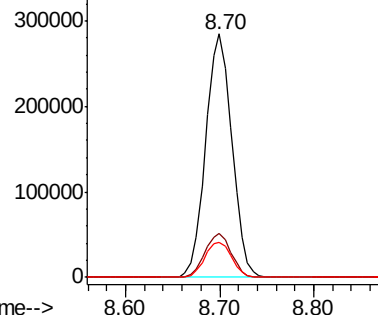
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.01 min  
 Lab File: VY002591.D  
 Acq: 05 May 2020 16:58

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6FT-TP-3

Tot Ion:114 Resp: 550770  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 36.4  
 88 14.4 0.0 29.6

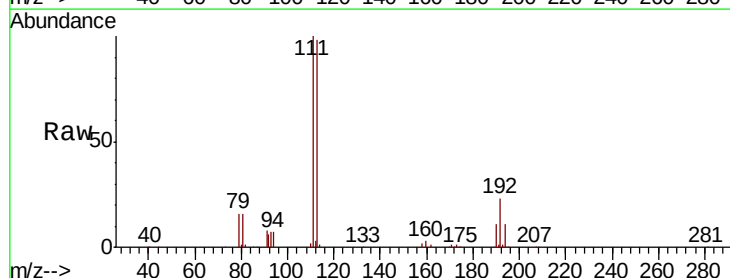


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

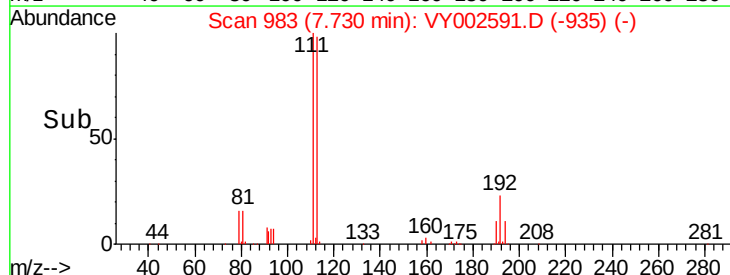
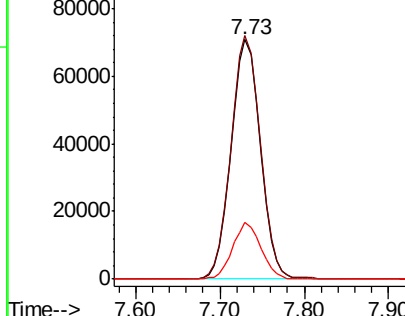


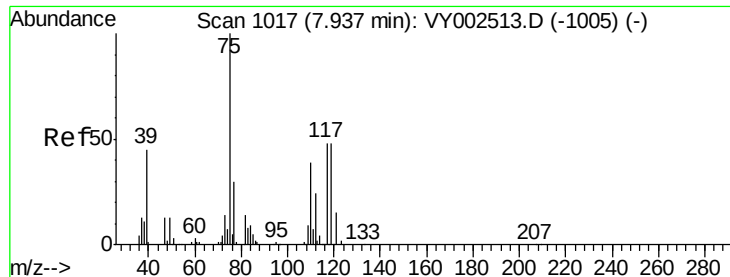
#35  
 Dibromofluoromethane  
 Concen: 52.552 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.01 min  
 Lab File: VY002591.D  
 Acq: 05 May 2020 16:58

Tgt Ion:113 Resp: 165532  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 81.8 122.6  
 192 22.9 18.2 27.4



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





#36

1,1-Dichloropropene

Concen: 4.857 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.14 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

6FT-TP-3

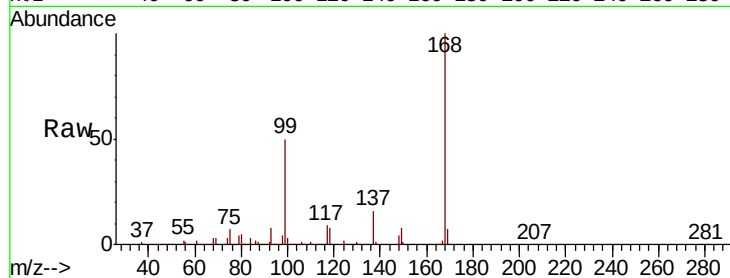
Tot Ion: 75 Resp: 22427

Ion Ratio Lower Upper

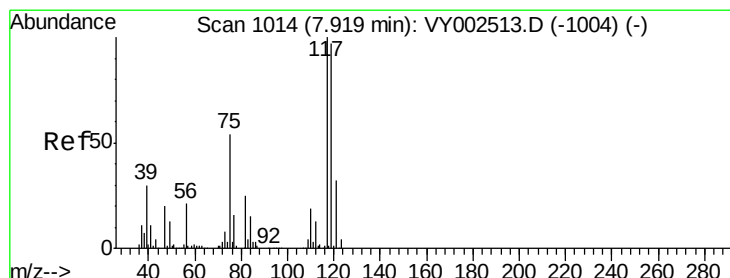
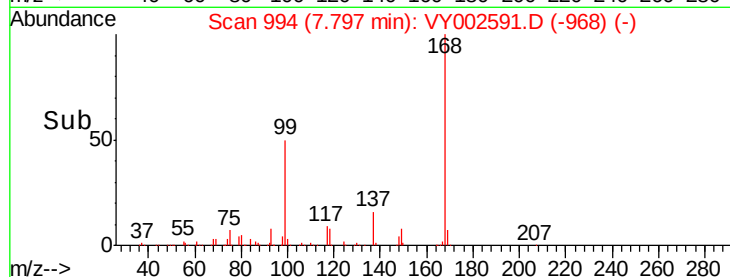
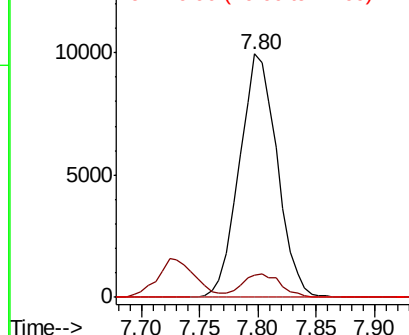
75 100

110 9.9 19.1 57.3#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0  
Ion 109.90 (109.60 to 110.60): VY0  
Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 6.103 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

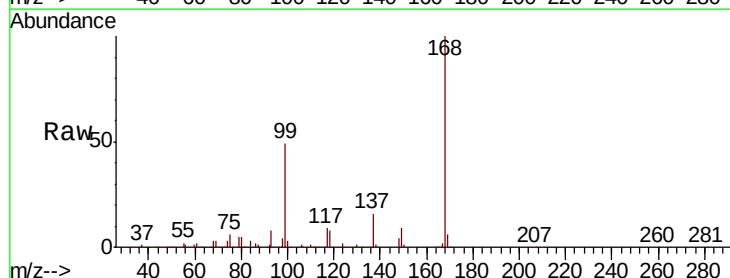
Tgt Ion: 117 Resp: 30766

Ion Ratio Lower Upper

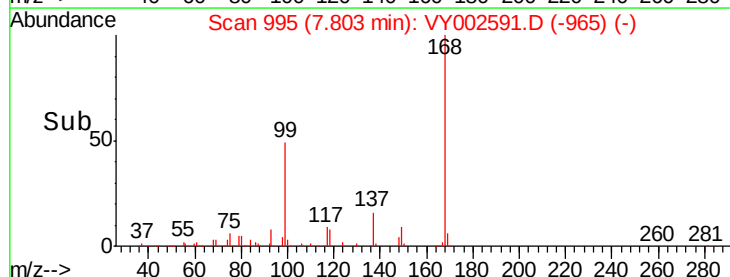
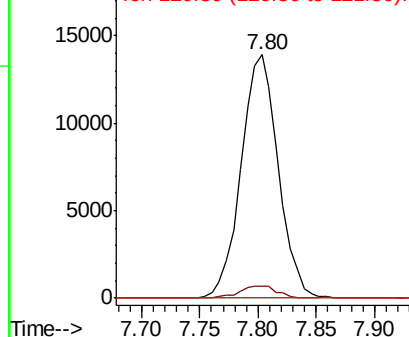
117 100

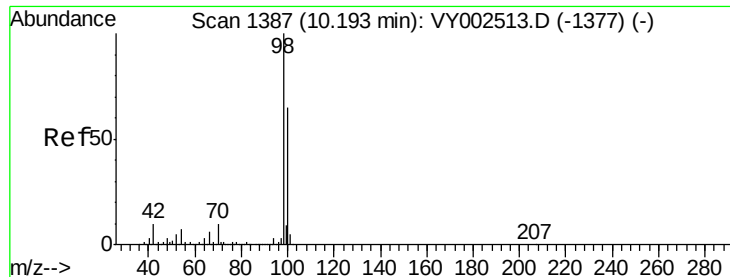
119 4.7 77.1 115.7#

121 0.0 25.2 37.8#



Abundance Ion 116.80 (116.50 to 117.50): VY0  
Ion 118.80 (118.50 to 119.50): VY0  
Ion 120.80 (120.50 to 121.50): VY0

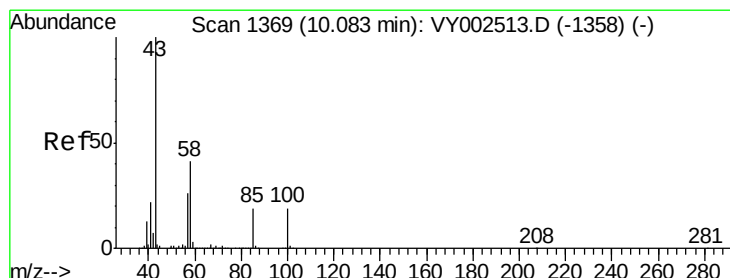
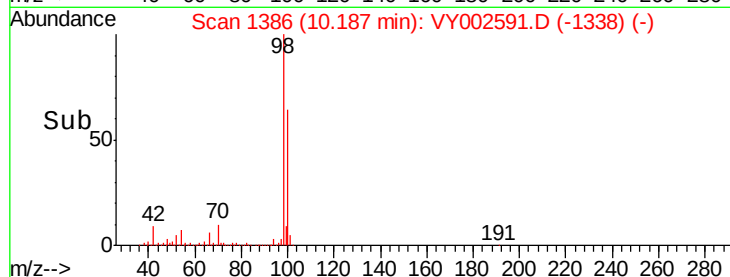
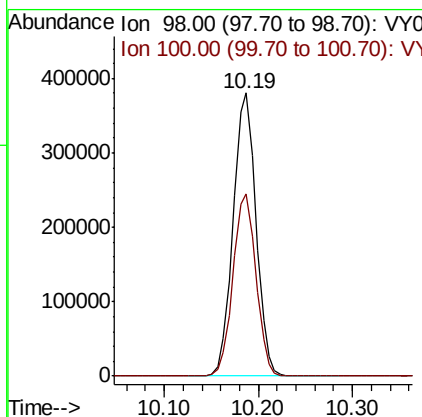
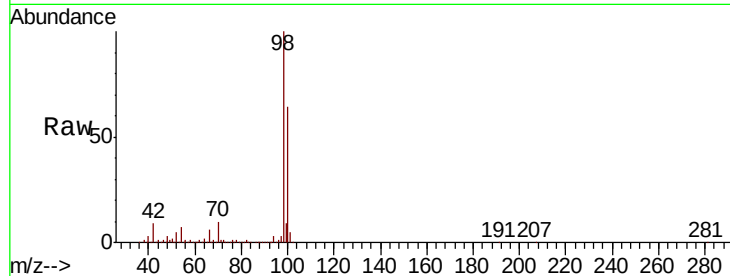




#50  
Toluene-d8  
Concen: 52.092 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. -0.01 min  
Lab File: VY002591.D  
Acq: 05 May 2020 16:58

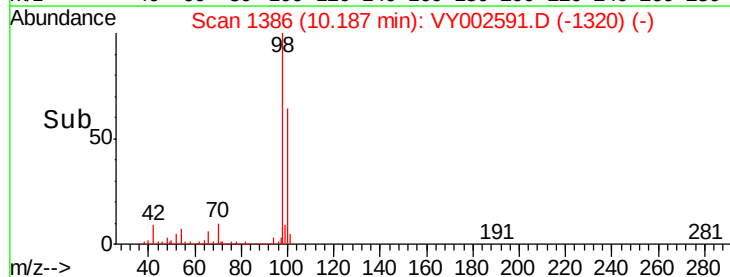
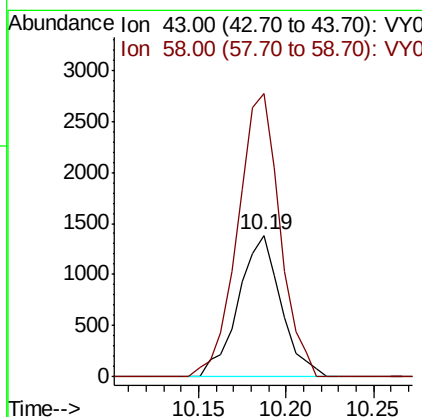
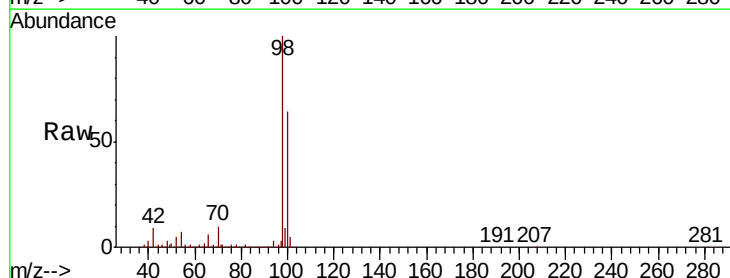
Instrument :  
MSVOA\_Y  
ClientSampleId :  
6FT-TP-3

Tot Ion: 98 Resp: 640768  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.2 78.2

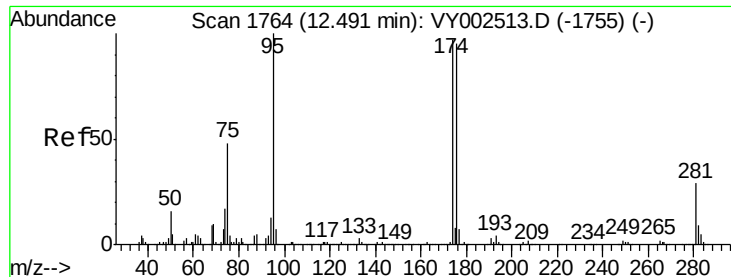


#51  
4-Methyl-2-Pentanone  
Concen: 1.024 ug/l  
RT: 10.19 min Scan# 1386  
Delta R.T. 0.10 min  
Lab File: VY002591.D  
Acq: 05 May 2020 16:58

Tgt Ion: 43 Resp: 2347  
Ion Ratio Lower Upper  
43 100  
58 198.1 33.2 49.8#



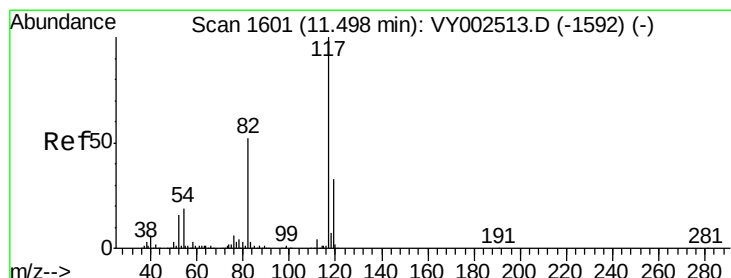
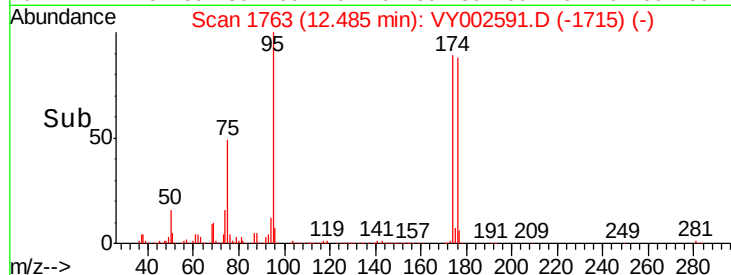
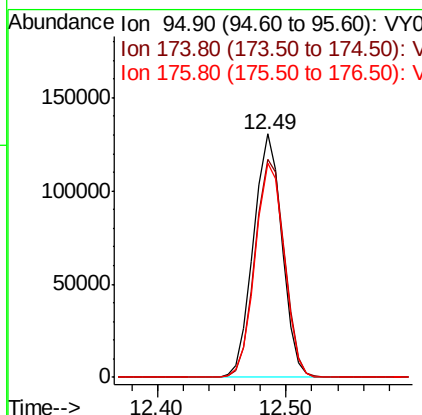
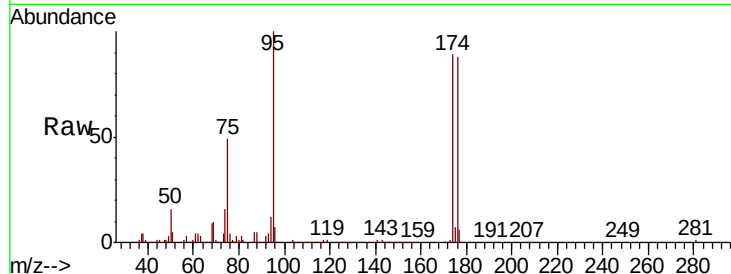




#62  
 4-Bromofluorobenzene  
 Concen: 47.726 ug/l  
 RT: 12.49 min Scan# 1763  
 Delta R.T. -0.01 min  
 Lab File: VY002591.D  
 Acq: 05 May 2020 16:58

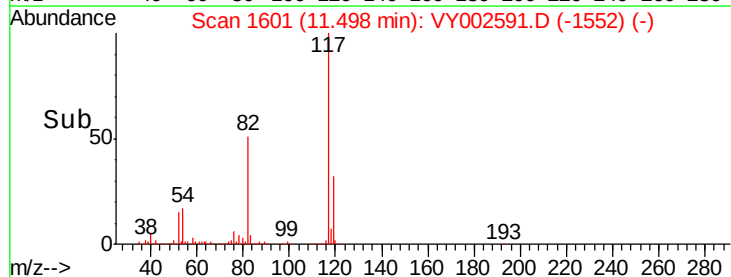
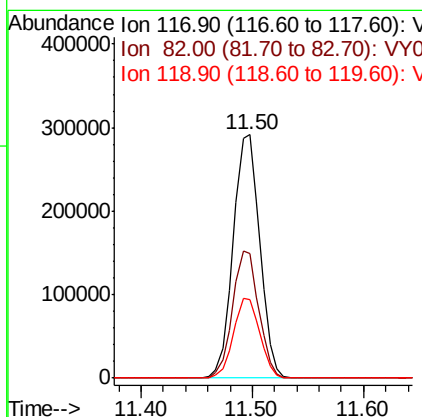
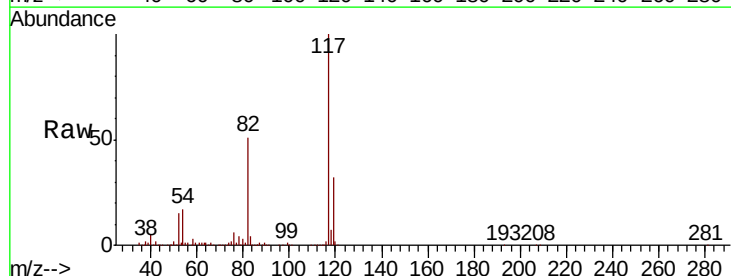
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 6FT-TP-3

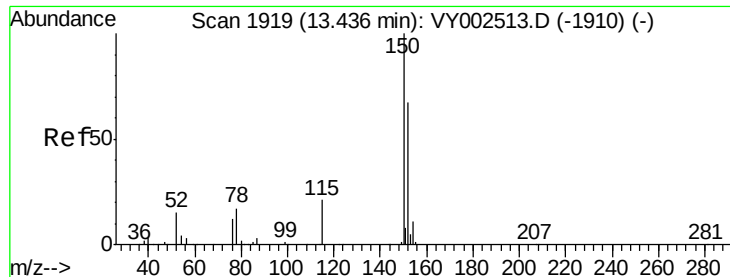
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 92.4  | 0.0   | 188.8 |
| 176     | 90.0  | 0.0   | 183.2 |



#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.50 min Scan# 1601  
 Delta R.T. -0.00 min  
 Lab File: VY002591.D  
 Acq: 05 May 2020 16:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.1  | 41.3  | 61.9  |
| 119     | 32.2  | 26.0  | 39.0  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

6FT-TP-3

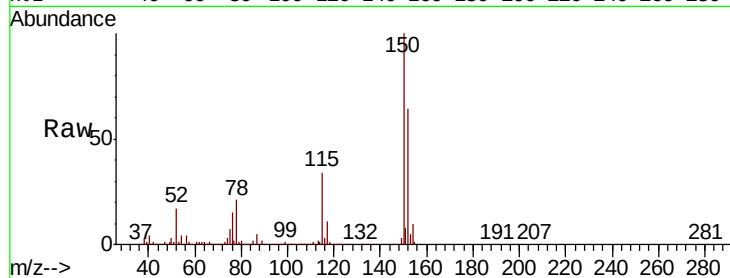
Tot Ion:152 Resp: 217523

Ion Ratio Lower Upper

152 100

115 54.3 27.5 82.4

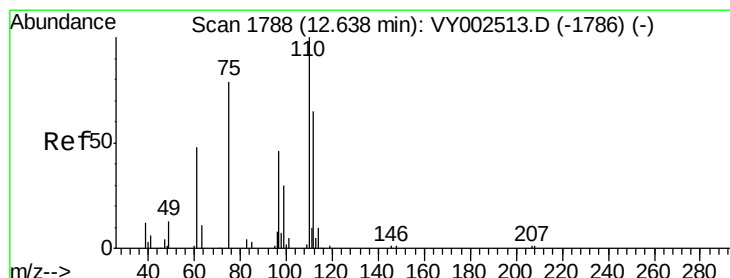
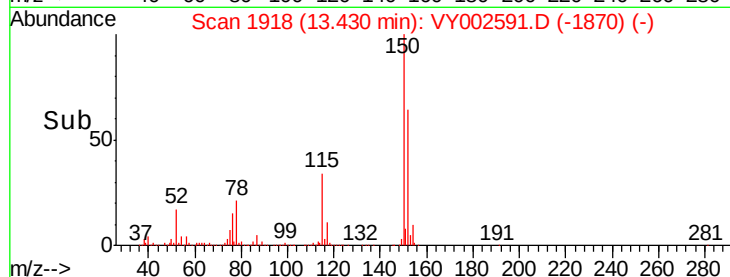
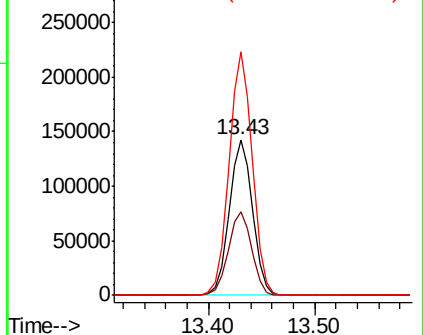
150 156.1 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 49.676 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002591.D

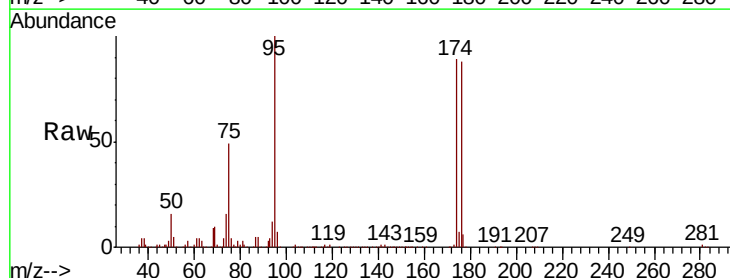
Acq: 05 May 2020 16:58

Tgt Ion: 75 Resp: 96027

Ion Ratio Lower Upper

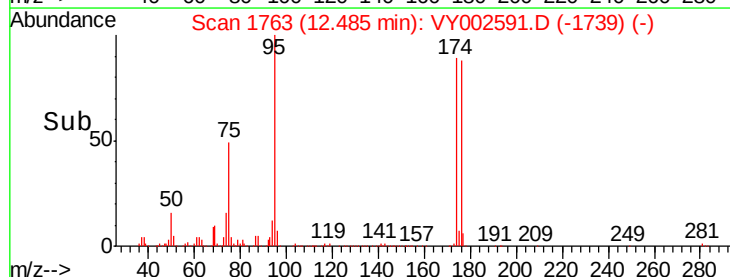
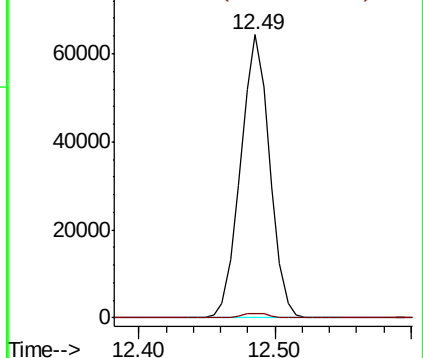
75 100

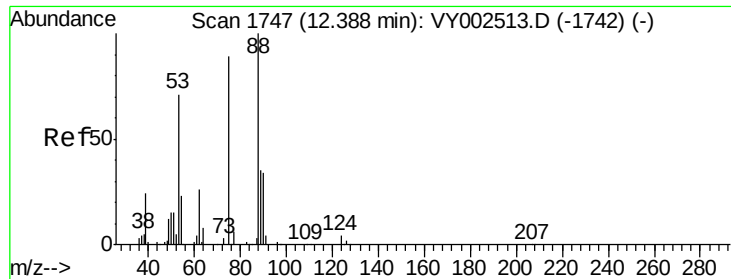
77 1.5 0.0 0.0#



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: 99.611 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002591.D

Acq: 05 May 2020 16:58

Instrument :

MSVOA\_Y

ClientSampleId :

6FT-TP-3

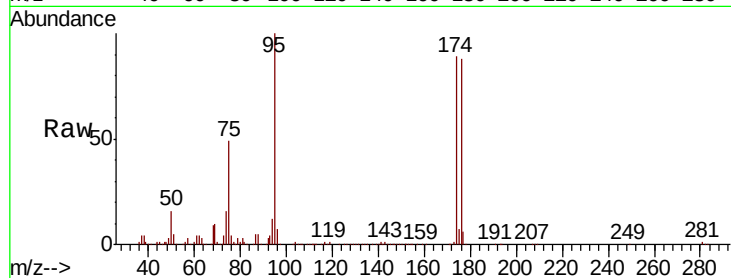
Tot Ion: 75 Resp: 96027

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.0#

89 0.1 37.4 56.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

