

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\  
 Data File : VY002777.D  
 Acq On : 27 May 2020 20:28  
 Operator : SY/MD  
 Sample : L2771-18  
 Misc : 6.79G/5ML/MSVOA Y/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FOX-HILL-RD-1

Quant Time: May 28 04:45:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 290962   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 467218   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 431084   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 211250   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.14  | 65   | 143651   | 56.86  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 113.72% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 143196   | 52.30  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.60% |          |
| 50) Toluene-d8              | 10.18 | 98   | 549336   | 49.62  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 99.24%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 184336   | 48.72  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 97.44%  |          |

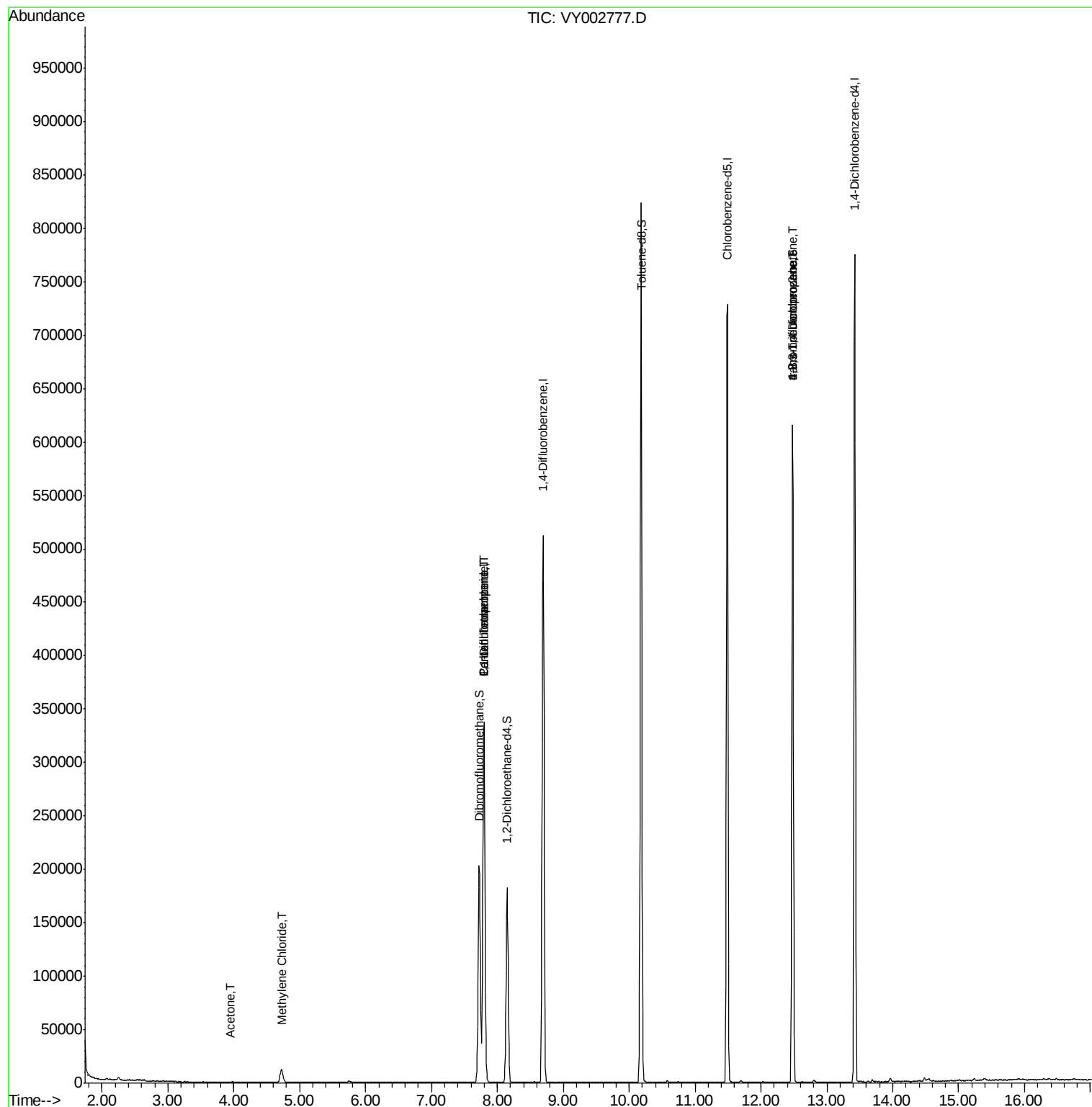
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 11) Tert butyl alcohol         | 4.99  | 59   | 22       | Below Cal | #      | 74     |
| 16) Acetone                    | 3.96  | 43   | 637      | 1.075     | ug/l # | 82     |
| 18) Methyl Acetate             | 4.49  | 43   | 266      | Below Cal | #      | 70     |
| 20) Methylene Chloride         | 4.72  | 84   | 9760     | 3.371     | ug/l   | 93     |
| 36) 1,1-Dichloropropene        | 7.79  | 75   | 17671    | 4.490     | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 7.80  | 117  | 25874    | 5.918     | ug/l # | 16     |
| 76) 1,2,3-Trichloropropane     | 12.48 | 75   | 86513    | 45.449    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-buten | 12.48 | 75   | 86513    | 85.627    | ug/l # | 17     |

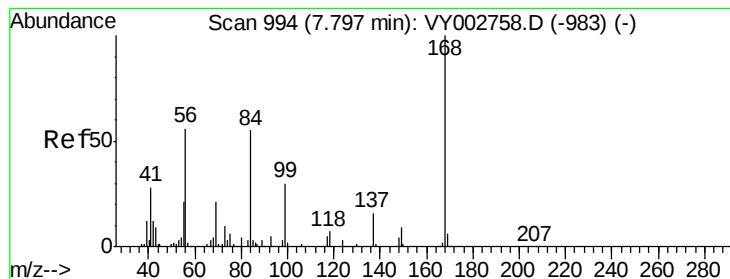
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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FOX-HILL-RD-1

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Quant Title : SW846 8260  
QLast Update : Wed May 27 13:13:33 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: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

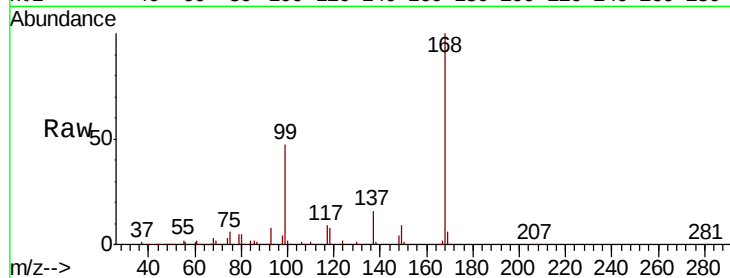
FOX-HILL-RD-1

Tot Ion:168 Resp: 290962

Ion Ratio Lower Upper

168 100

99 46.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002777.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002777.D (-945) (-)

7.80

150000

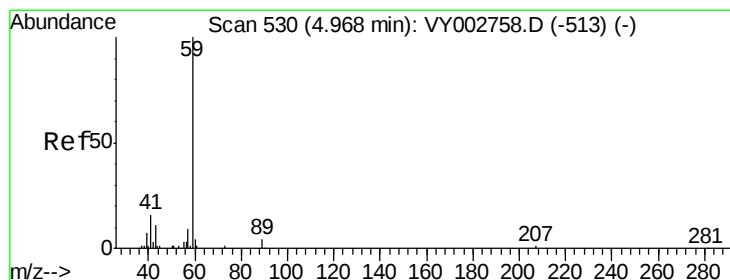
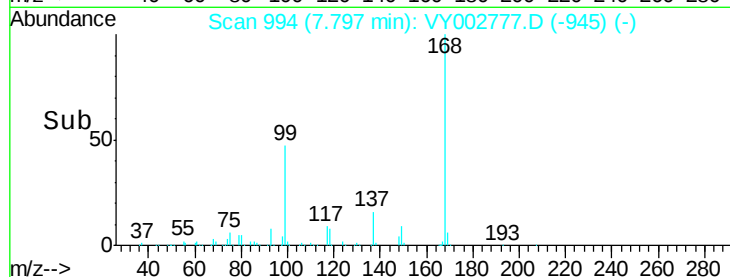
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. 0.02 min

Lab File: VY002777.D

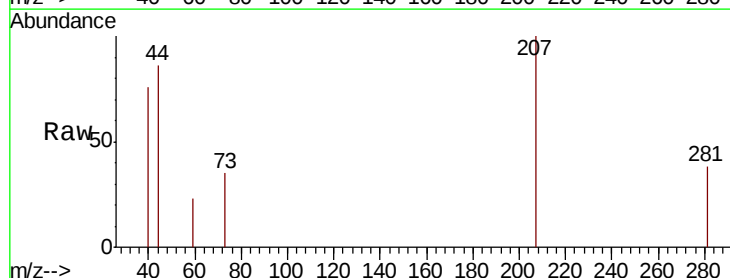
Acq: 27 May 2020 20:28

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002777.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY002777.D (-481) (-)

4.99

60

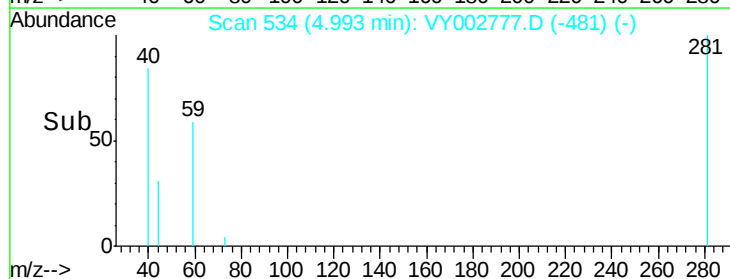
40

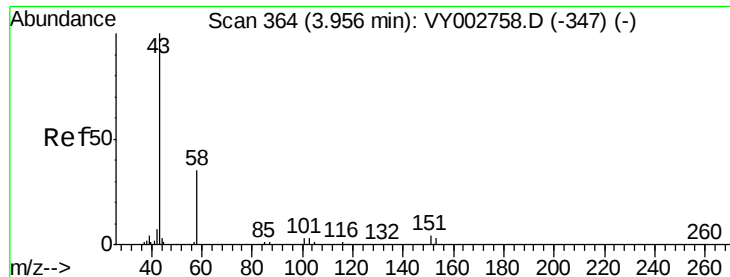
20

0

4.97 4.98 4.99 5.00 5.01

Time-->





#16

Acetone

Concen: 1.075 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

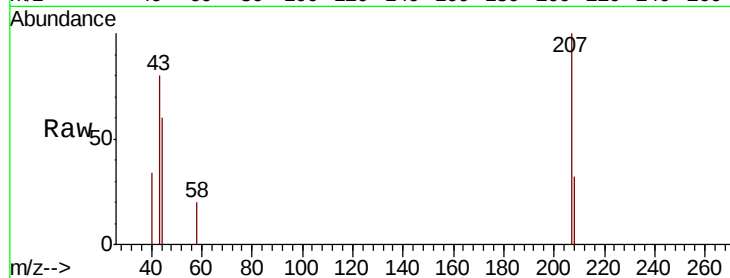
FOX-HILL-RD-1

Tot Ion: 43 Resp: 637

Ion Ratio Lower Upper

43 100

58 24.4 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

250

200

150

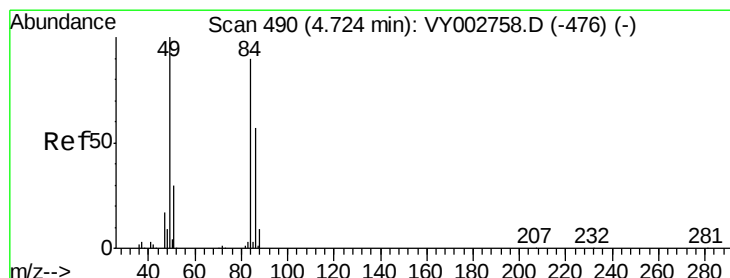
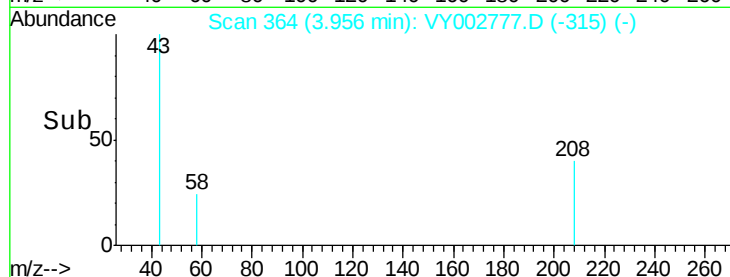
100

50

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 3.371 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY002777.D

Acq: 27 May 2020 20:28

Tgt Ion: 84 Resp: 9760

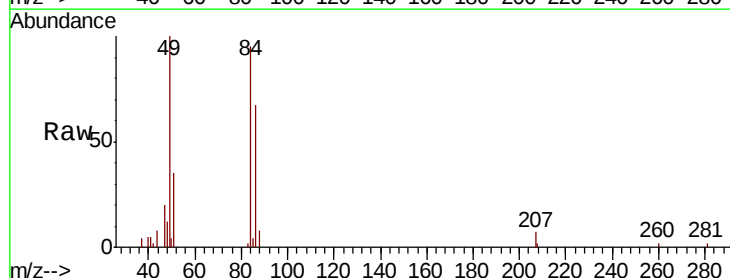
Ion Ratio Lower Upper

84 100

49 104.7 88.5 132.7

51 36.8 26.8 40.2

86 69.9 50.6 75.8



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

5000

4000

3000

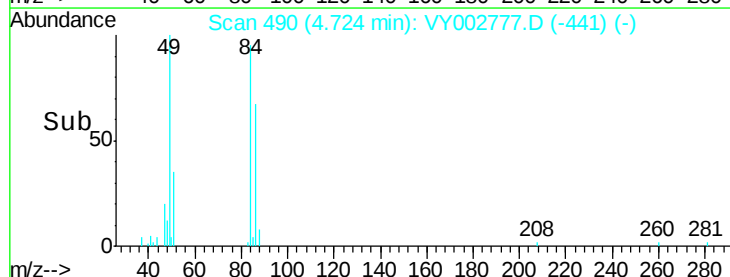
2000

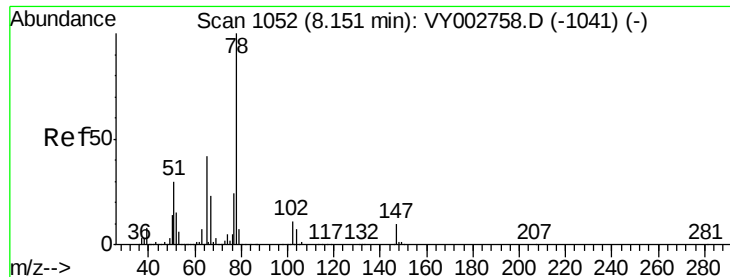
1000

0

4.60 4.70 4.80

Time-->

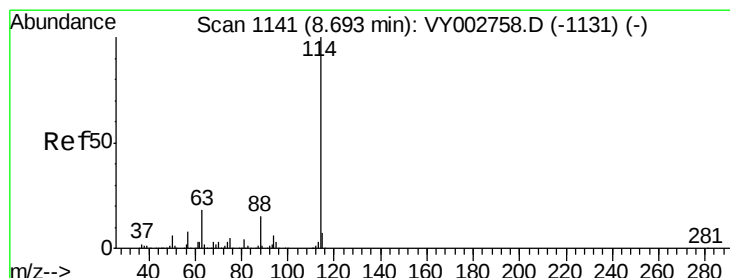
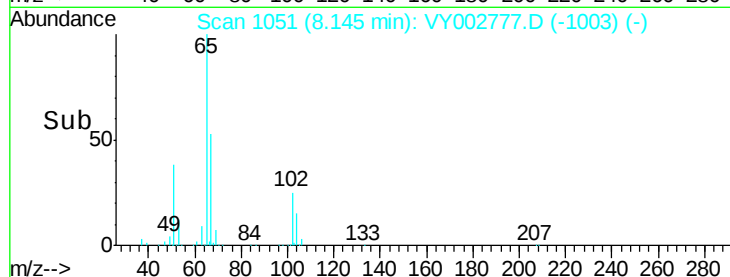
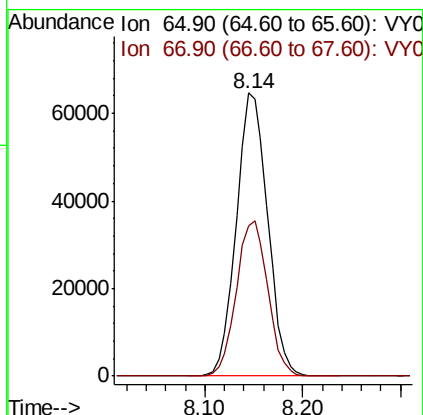
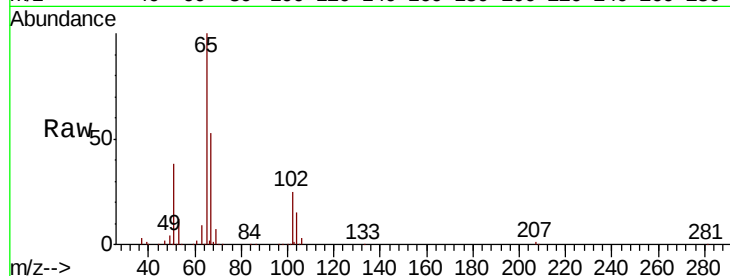




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.861 ug/l  
 RT: 8.14 min Scan# 1051  
 Delta R.T. -0.01 min  
 Lab File: VY002777.D  
 Acq: 27 May 2020 20:28

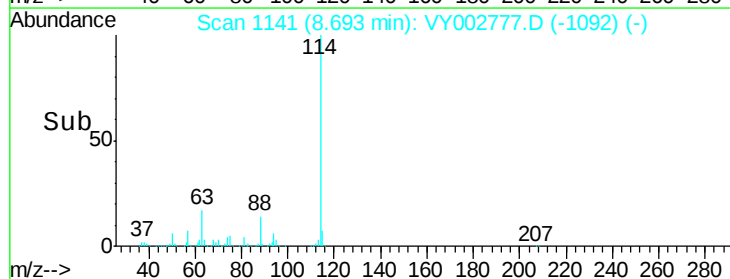
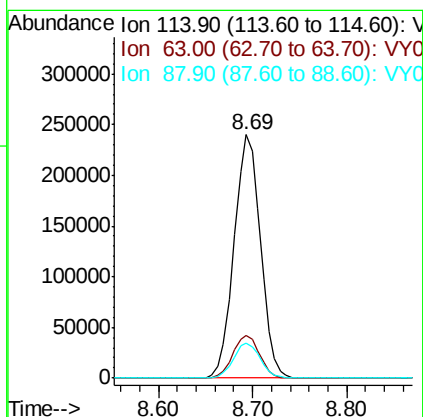
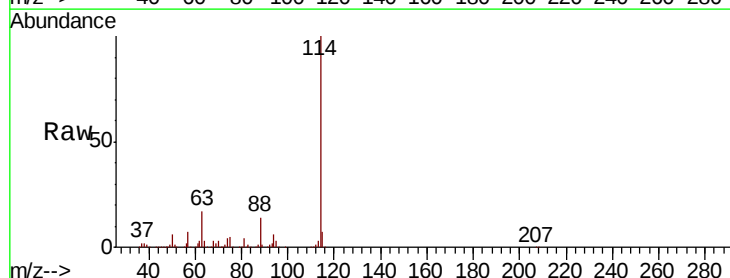
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FOX-HILL-RD-1

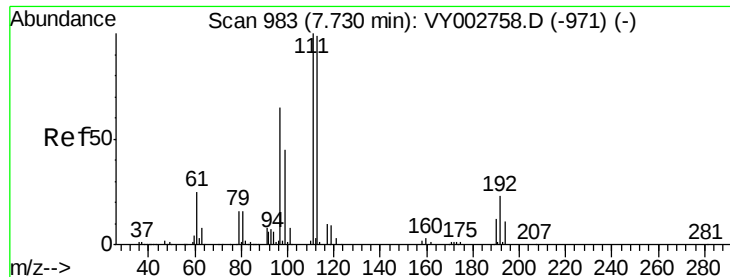
Tot Ion: 65 Resp: 143651  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002777.D  
 Acq: 27 May 2020 20:28

Tgt Ion: 114 Resp: 467218  
 Ion Ratio Lower Upper  
 114 100  
 63 17.4 0.0 35.2  
 88 14.3 0.0 29.2

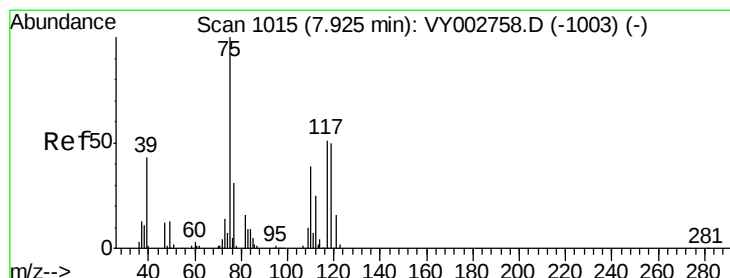
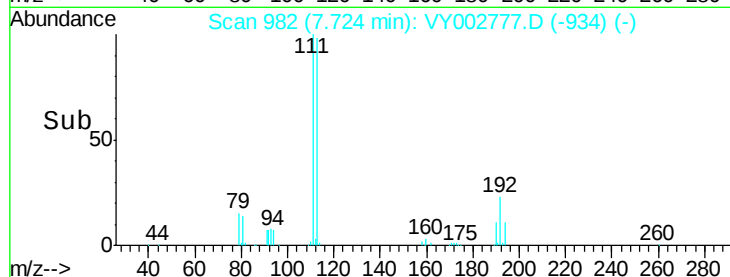
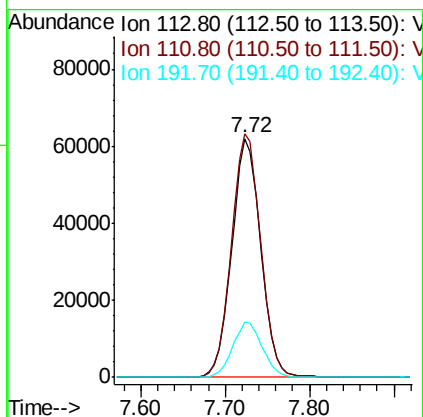
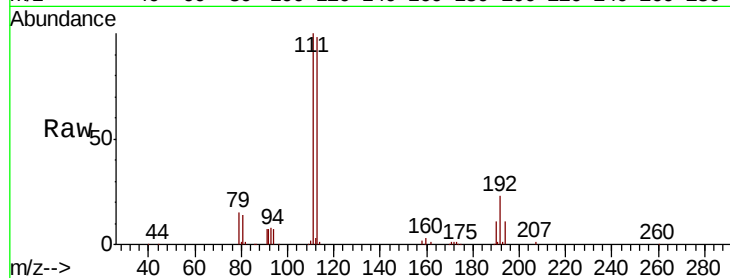




#35  
 Dibromofluoromethane  
 Concen: 52.297 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY002777.D  
 Acq: 27 May 2020 20:28

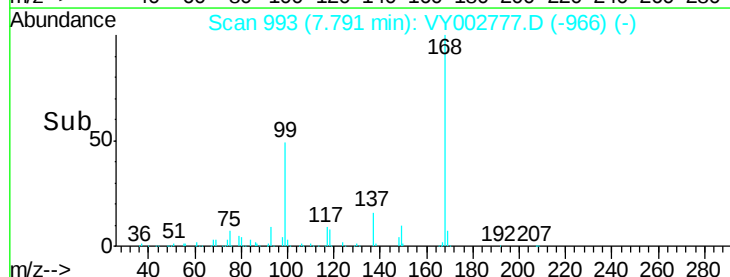
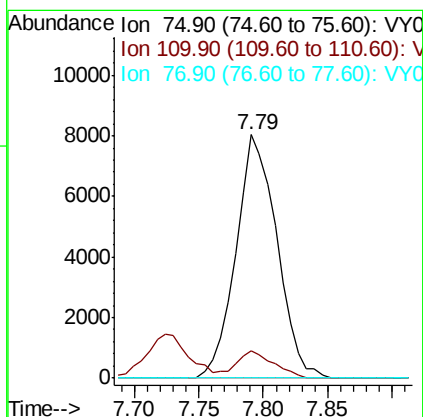
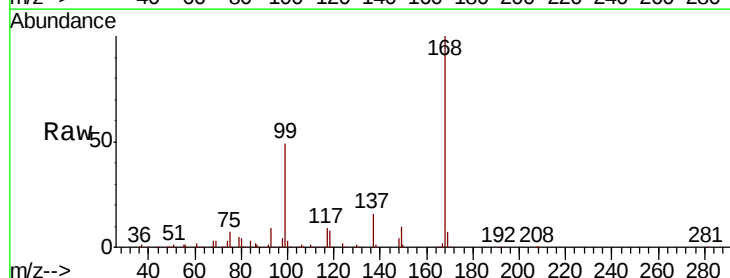
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FOX-HILL-RD-1

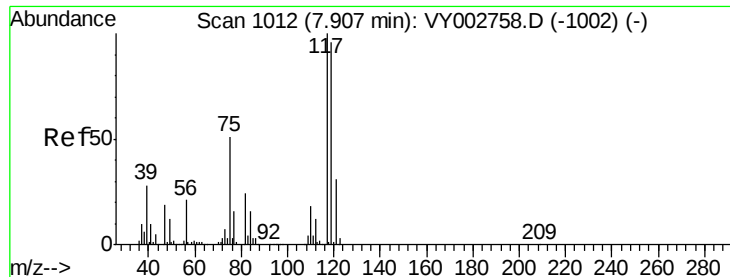
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.0  | 123.0 |
| 192     | 23.5  | 18.9  | 28.3  |



#36  
 1,1-Dichloropropene  
 Concen: 4.490 ug/l  
 RT: 7.79 min Scan# 993  
 Delta R.T. -0.13 min  
 Lab File: VY002777.D  
 Acq: 27 May 2020 20:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 9.8   | 19.3  | 57.9# |
| 77      | 0.0   | 24.8  | 37.2# |





#38

Carbon Tetrachloride

Concen: 5.918 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

FOX-HILL-RD-1

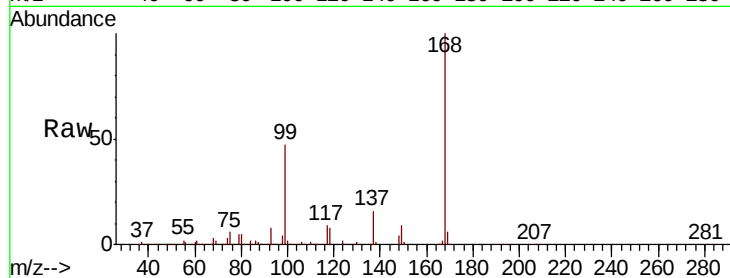
Tot Ion:117 Resp: 25874

Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

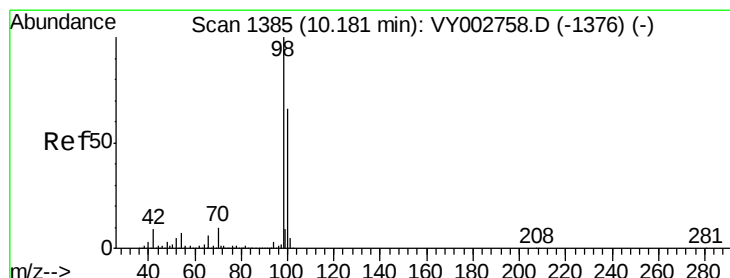
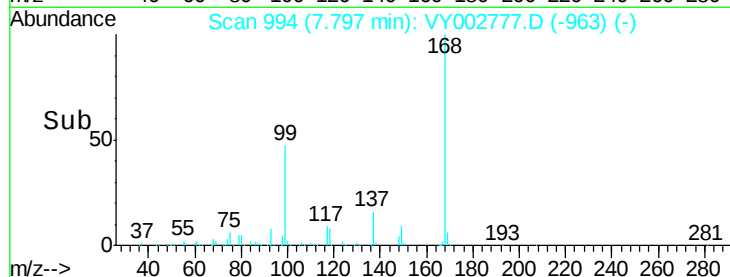
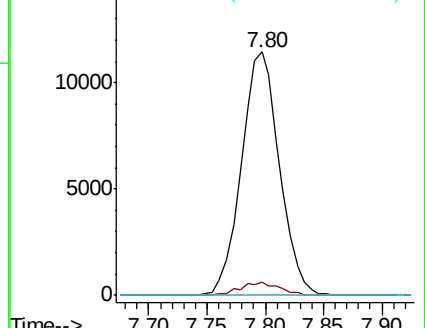
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.619 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002777.D

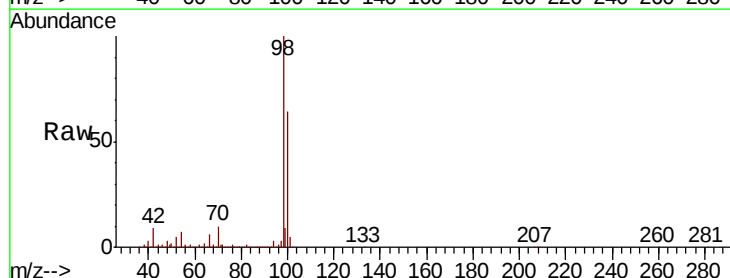
Acq: 27 May 2020 20:28

Tgt Ion: 98 Resp: 549336

Ion Ratio Lower Upper

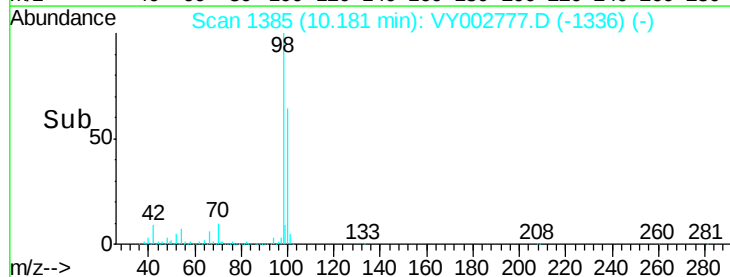
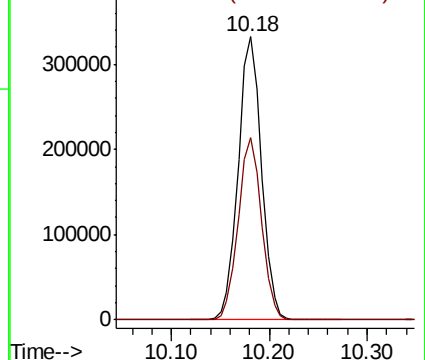
98 100

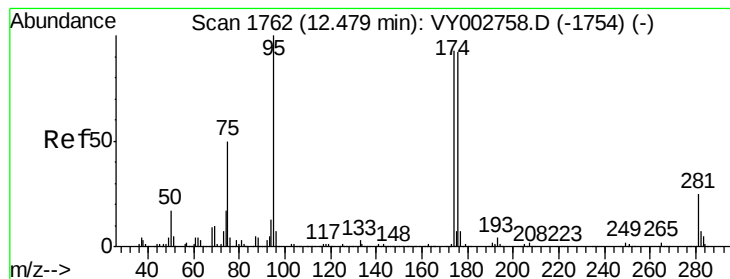
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 48.721 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

FOX-HILL-RD-1

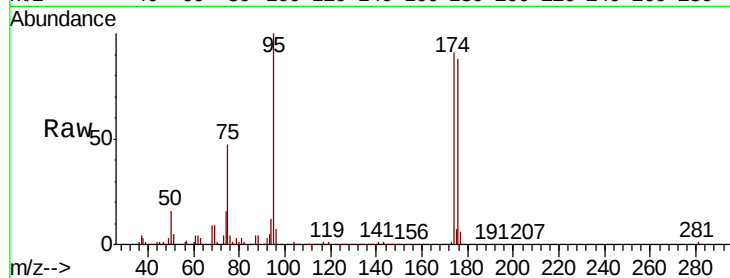
Tot Ion: 95 Resp: 184336

Ion Ratio Lower Upper

95 100

174 94.5 0.0 191.2

176 91.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002777.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002777.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002777.D (-1713) (-)

12.48

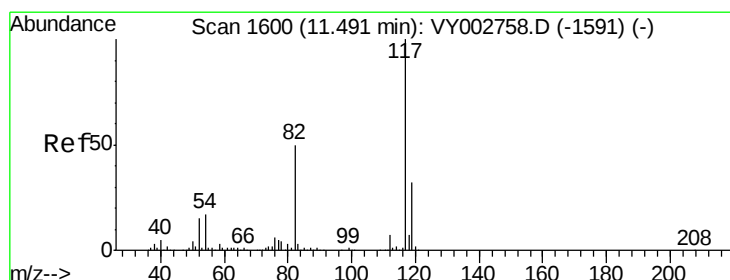
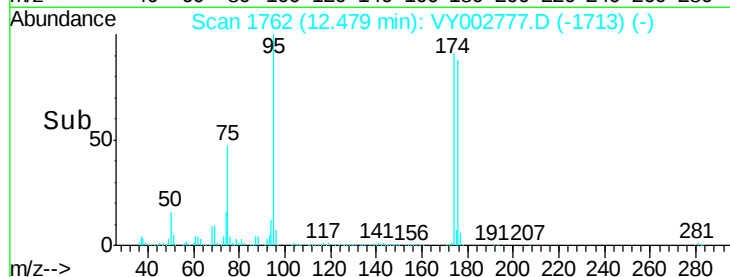
150000

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: VY002777.D

Acq: 27 May 2020 20:28

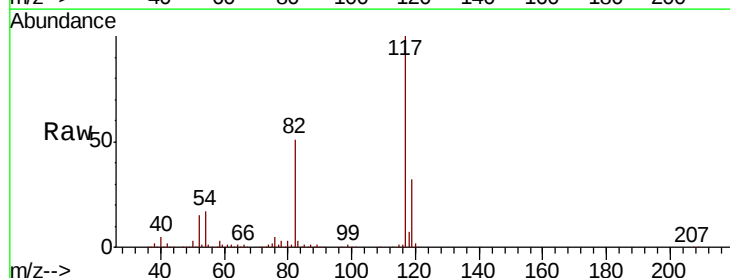
Tgt Ion: 117 Resp: 431084

Ion Ratio Lower Upper

117 100

82 50.7 40.2 60.4

119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY002777.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002777.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002777.D (-1551) (-)

11.49

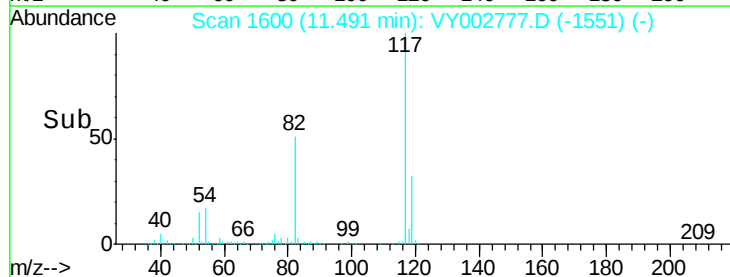
300000

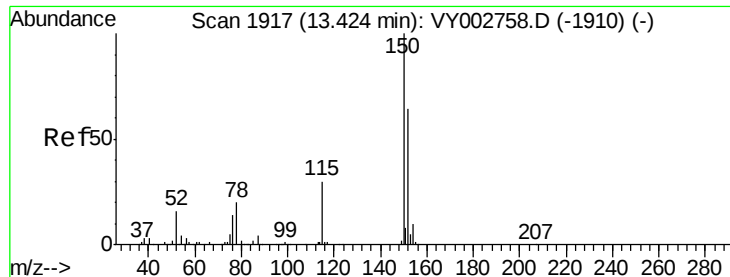
200000

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: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

FOX-HILL-RD-1

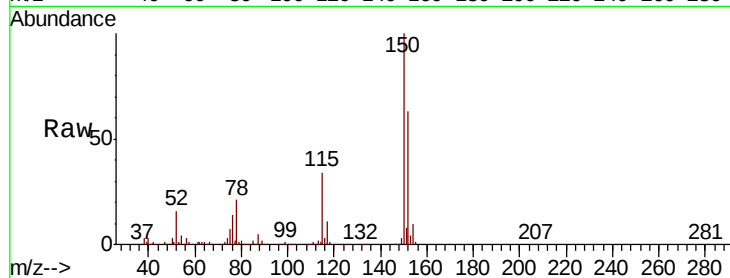
Tot Ion:152 Resp: 211250

Ion Ratio Lower Upper

152 100

115 54.1 27.0 81.0

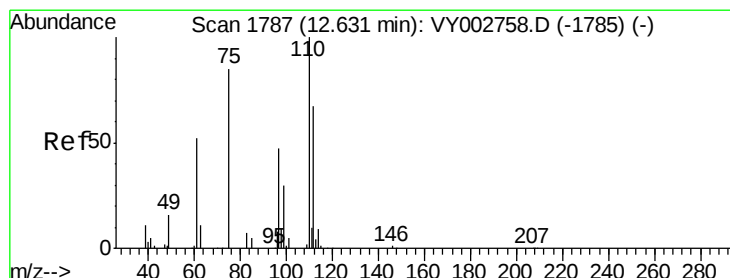
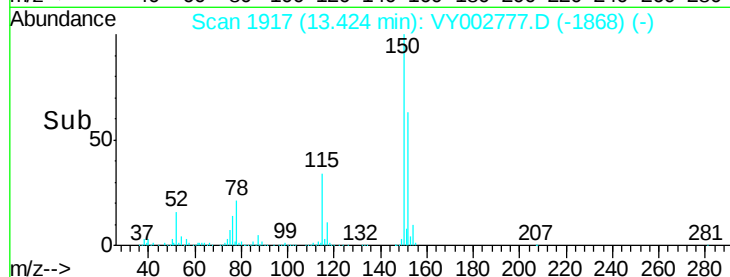
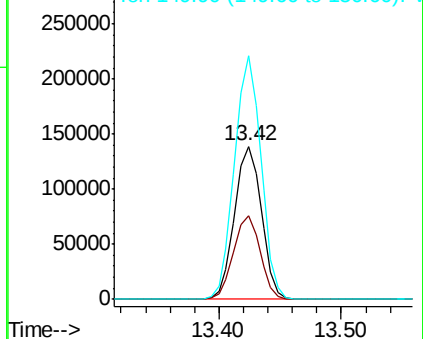
150 156.8 0.0 344.8



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: 45.449 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002777.D

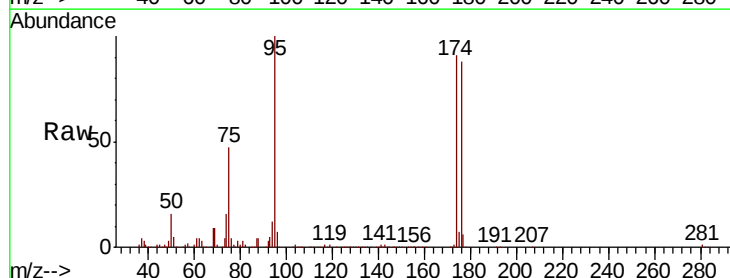
Acq: 27 May 2020 20:28

Tgt Ion: 75 Resp: 86513

Ion Ratio Lower Upper

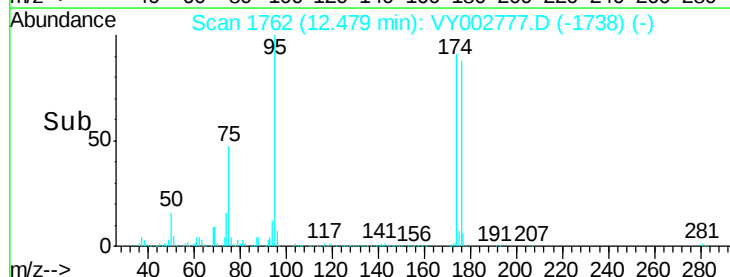
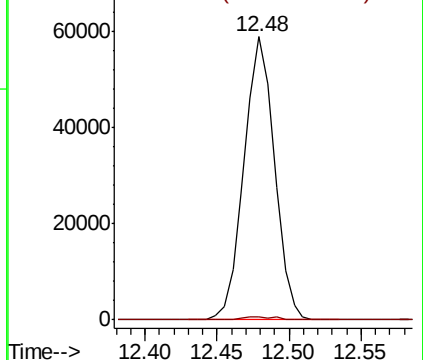
75 100

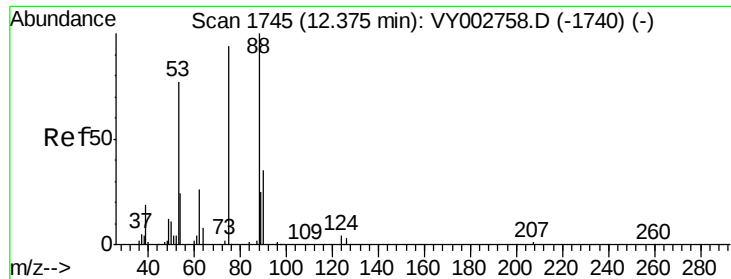
77 1.3 0.0 0.0#



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: 85.627 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002777.D

Acq: 27 May 2020 20:28

Instrument :

MSVOA\_Y

ClientSampleId :

FOX-HILL-RD-1

Tot Ion: 75 Resp: 86513

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.0 37.4 56.2#

