

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041420\  
 Data File : VY002321.D  
 Acq On : 14 Apr 2020 19:54  
 Operator : SY/MD  
 Sample : L2226-02RE  
 Misc : 6.73G/5ML/MSVOA Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 15 05:38:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 08 15:15:02 2020  
 Response via : Initial Calibration

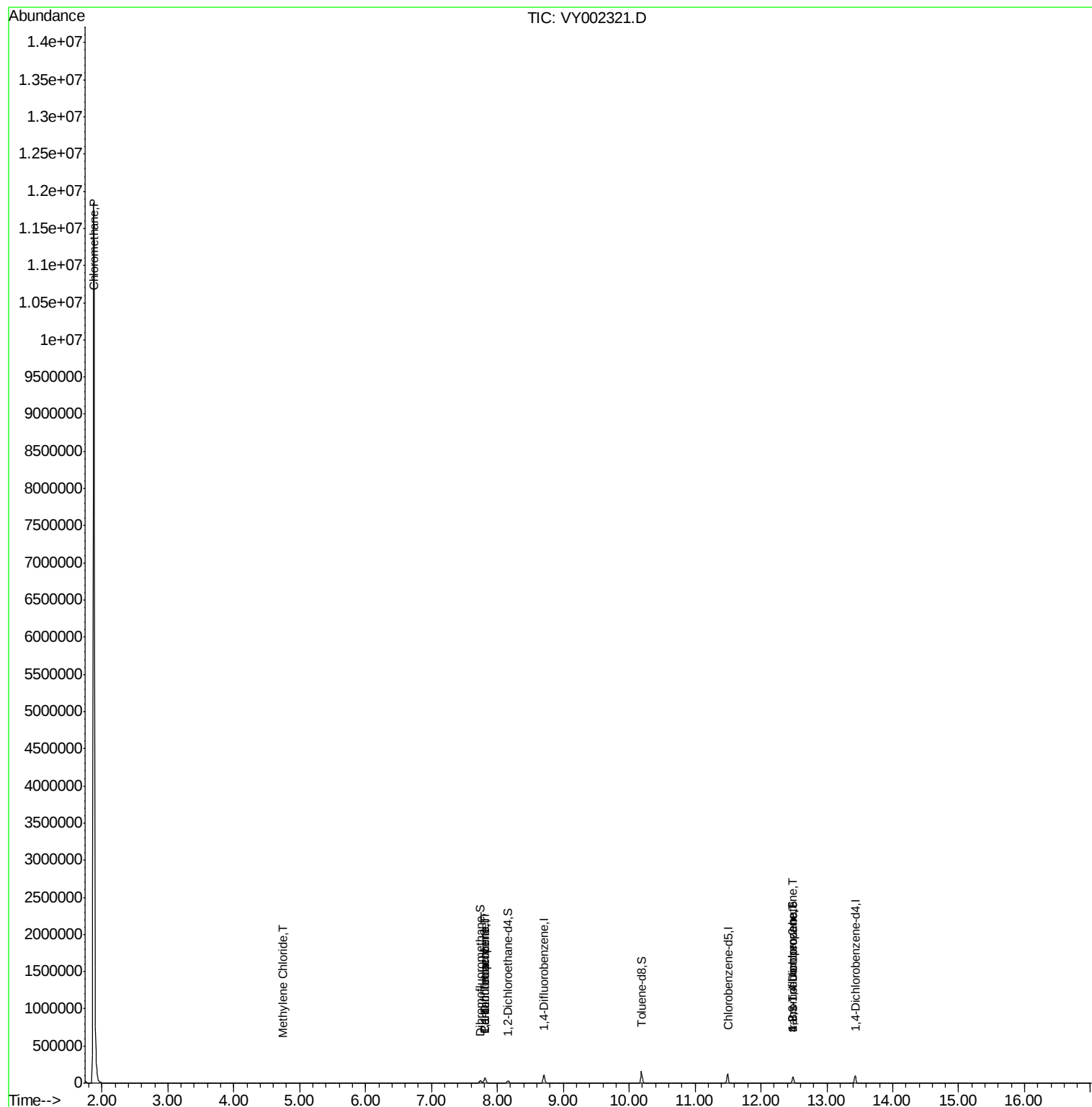
| Internal Standards             | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene          | 7.82   | 168  | 54720    | 50.00   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene        | 8.71   | 114  | 92527    | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5           | 11.50  | 117  | 69992    | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.43  | 152  | 24647    | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds    |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4      | 8.16   | 65   | 21296    | 35.00   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 70.00% |          |
| 35) Dibromofluoromethane       | 7.74   | 113  | 24893    | 45.21   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 90.42% |          |
| 50) Toluene-d8                 | 10.19  | 98   | 107945   | 46.84   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 93.68% |          |
| 62) 4-Bromofluorobenzene       | 12.49  | 95   | 27747    | 36.50   | ug/l   | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 73.00% |          |
| Target Compounds               |        |      |          |         |        |          |
|                                |        |      |          |         | Qvalue |          |
| 3) Chloromethane               | 1.87   | 50   | 74834    | 107.517 | ug/l # | 1        |
| 20) Methylene Chloride         | 4.74   | 84   | 2192     | 2.783   | ug/l # | 89       |
| 36) 1,1-Dichloropropene        | 7.81   | 75   | 4601     | 5.048   | ug/l # | 46       |
| 38) Carbon Tetrachloride       | 7.82   | 117  | 5557     | 7.128   | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane     | 12.49  | 75   | 13129    | 45.873  | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.49  | 75   | 13129    | 89.222  | ug/l # | 19       |

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

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Sample : L2226-02RE  
Misc : 6.73G/5ML/MSVOA Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Apr 15 05:38:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y040820S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 08 15:15:02 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002321.D

Acq: 14 Apr 2020 19:54

Instrument :

MSVOA\_Y

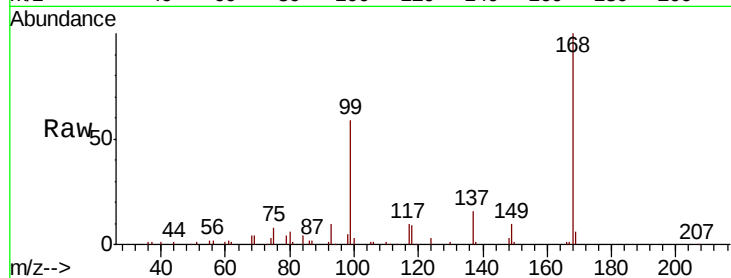
ClientSampled :

Tot Ion:168 Resp: 54720

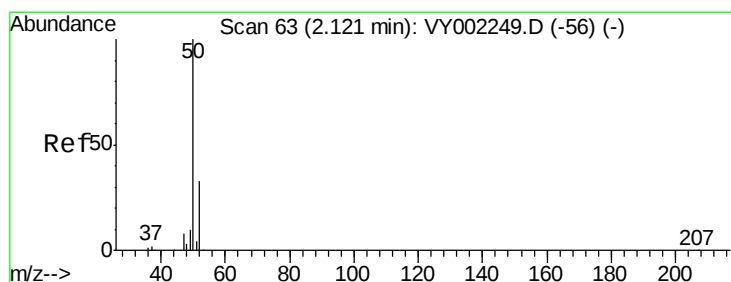
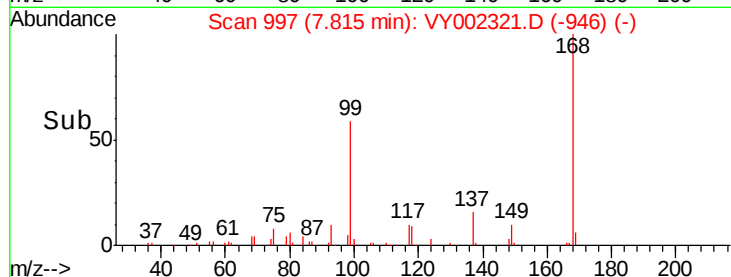
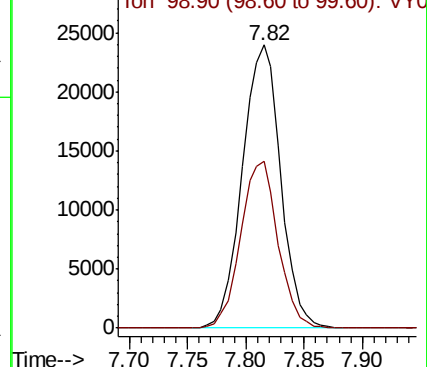
Ion Ratio Lower Upper

168 100

99 59.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)



#3

Chloromethane

Concen: 107.517 ug/l

RT: 1.87 min Scan# 22

Delta R.T. -0.25 min

Lab File: VY002321.D

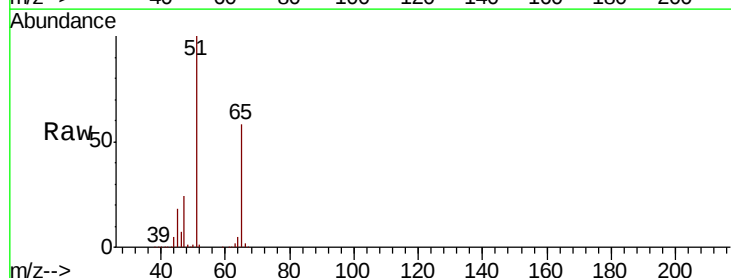
Acq: 14 Apr 2020 19:54

Tgt Ion: 50 Resp: 74834

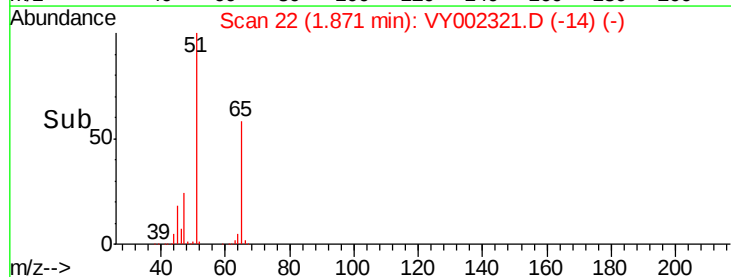
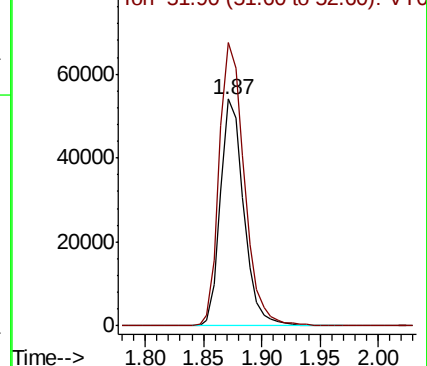
Ion Ratio Lower Upper

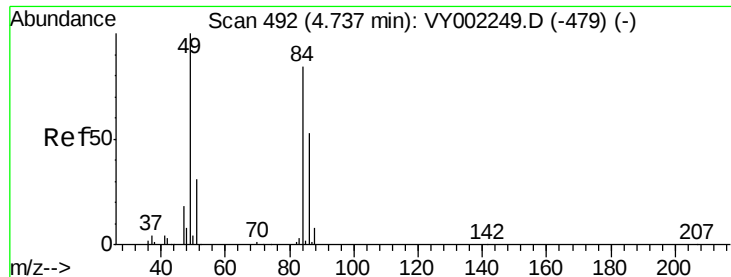
50 100

52 124.8 26.6 39.8#



Abundance Ion 49.90 (49.60 to 50.60): VY002249.D (-56) (-)

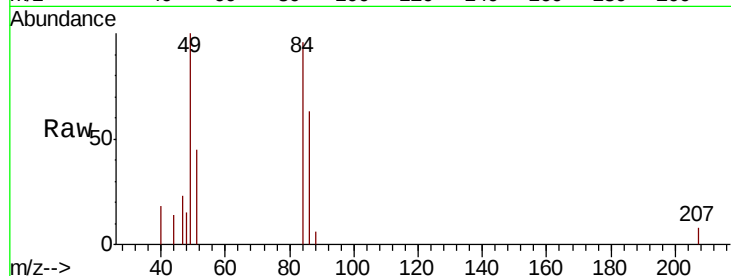




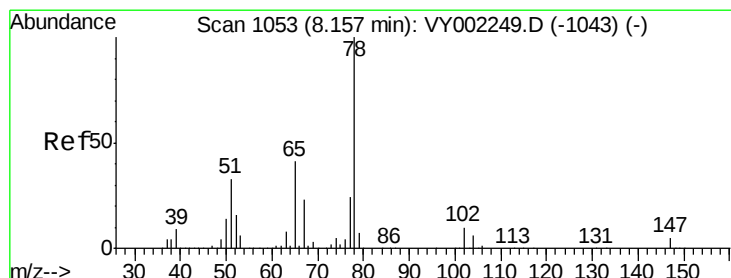
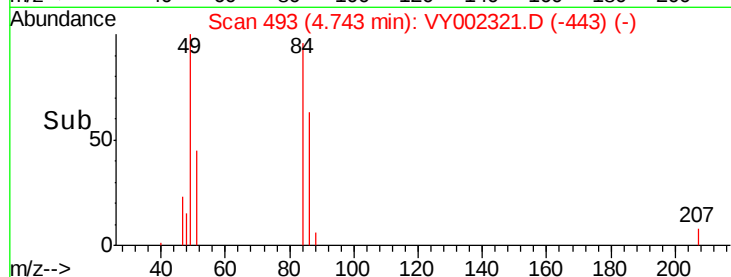
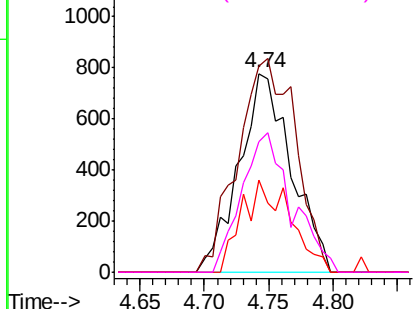
#20  
Methvlene Chloride  
Concen: 2.783 ug/l  
RT: 4.74 min Scan# 493  
Delta R.T. 0.01 min  
Lab File: VY002321.D  
Acq: 14 Apr 2020 19:54

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tot Ion: 84 Resp: 2192  
Ion Ratio Lower Upper  
84 100  
49 103.7 95.5 143.3  
51 46.4 29.5 44.3#  
86 65.8 50.7 76.1

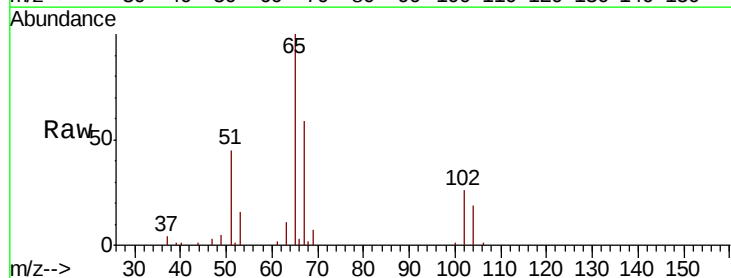


Abundance Ion 83.90 (83.60 to 84.60): VY0  
Ion 48.90 (48.60 to 49.60): VY0  
Ion 50.90 (50.60 to 51.60): VY0  
Ion 85.90 (85.60 to 86.60): VY0

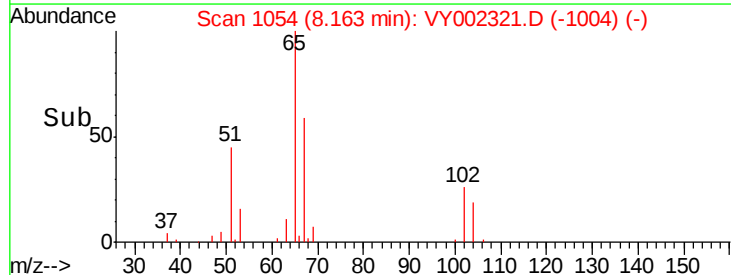
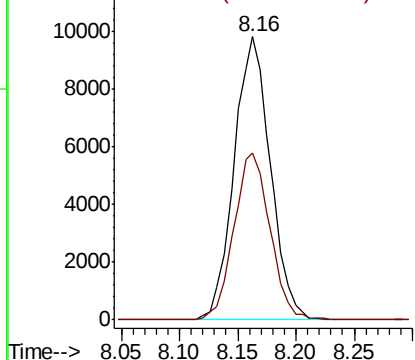


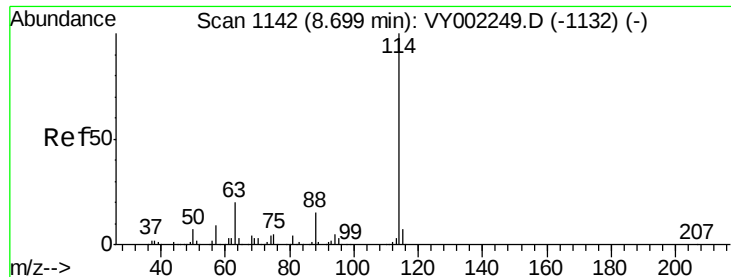
#33  
1,2-Dichloroethane-d4  
Concen: 34.996 ug/l  
RT: 8.16 min Scan# 1054  
Delta R.T. 0.01 min  
Lab File: VY002321.D  
Acq: 14 Apr 2020 19:54

Tgt Ion: 65 Resp: 21296  
Ion Ratio Lower Upper  
65 100  
67 58.5 0.0 114.0



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

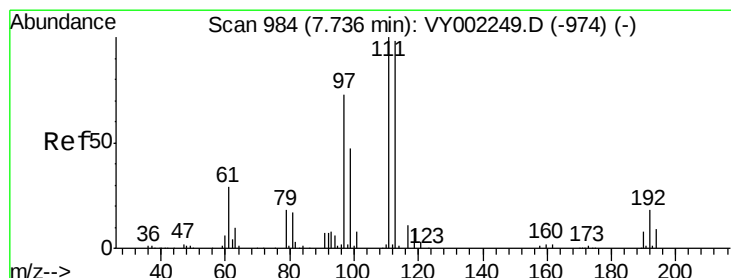
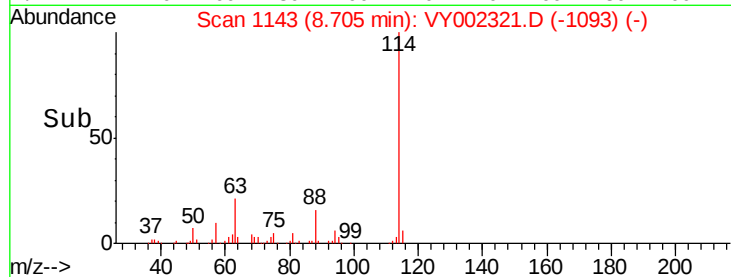
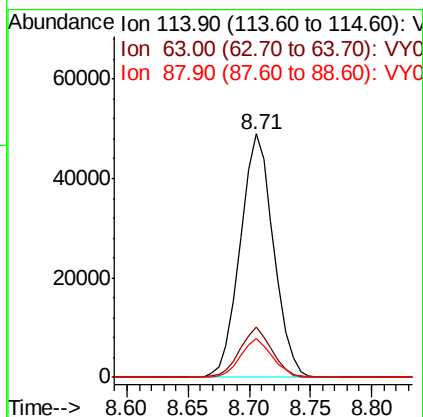
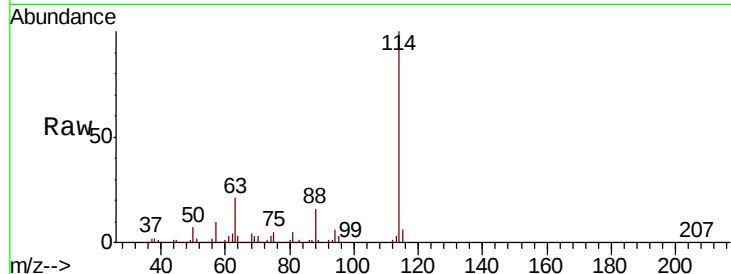




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.01 min  
 Lab File: VY002321.D  
 Acq: 14 Apr 2020 19:54

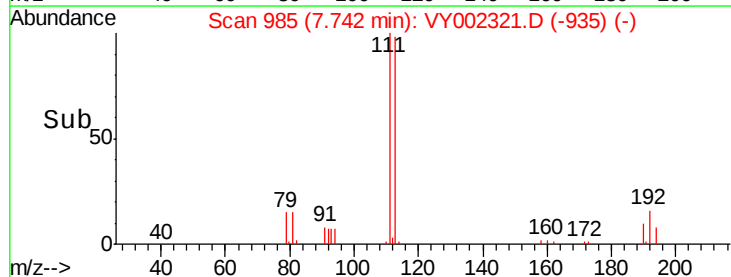
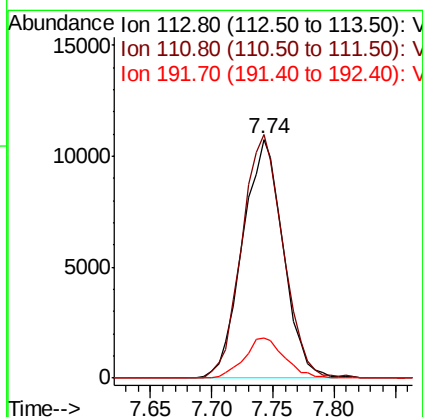
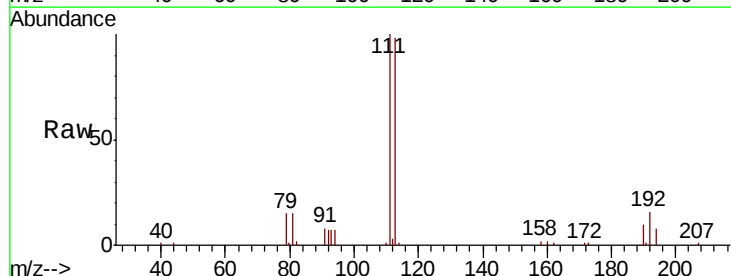
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

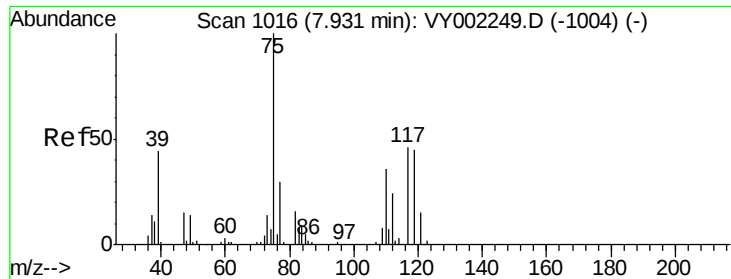
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.6  | 0.0   | 39.0  |
| 88      | 15.7  | 0.0   | 31.0  |



#35  
 Dibromofluoromethane  
 Concen: 45.213 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. 0.01 min  
 Lab File: VY002321.D  
 Acq: 14 Apr 2020 19:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 83.5  | 125.3 |
| 192     | 16.5  | 14.7  | 22.1  |

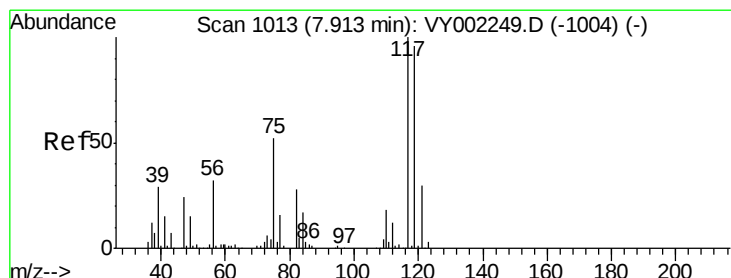
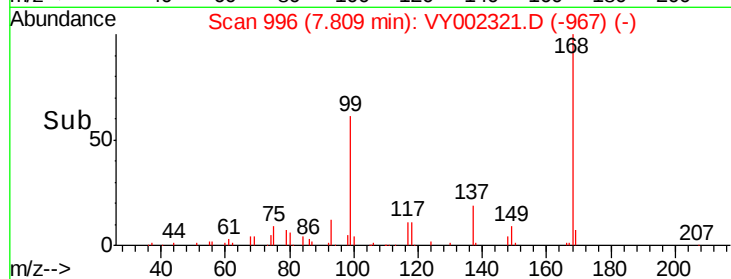
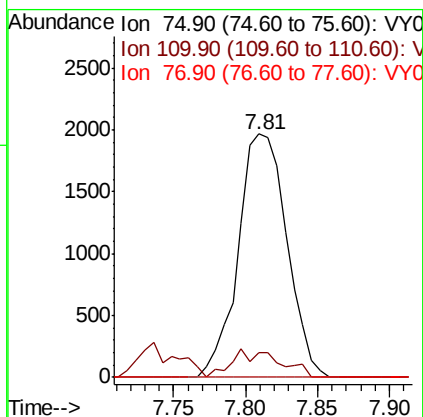
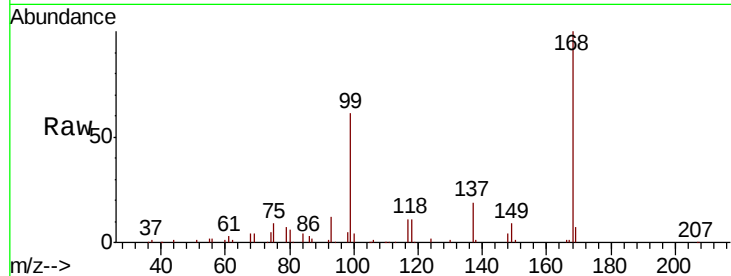




#36  
 1,1-Dichloropropene  
 Concen: 5.048 ug/l  
 RT: 7.81 min Scan# 996  
 Delta R.T. -0.12 min  
 Lab File: VY002321.D  
 Acq: 14 Apr 2020 19:54

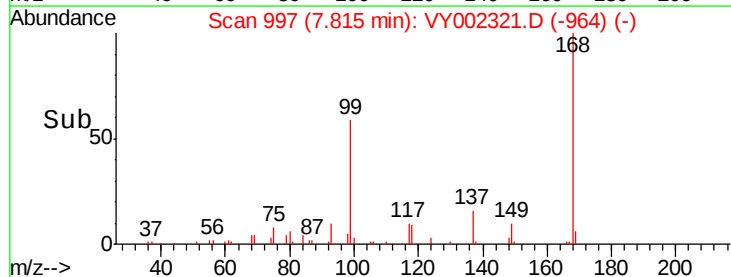
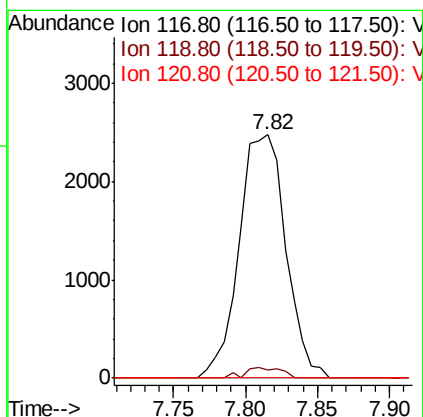
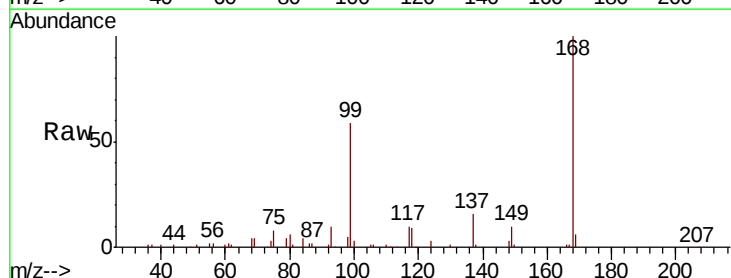
Instrument :  
 MSVOA\_Y  
 ClientSampled :

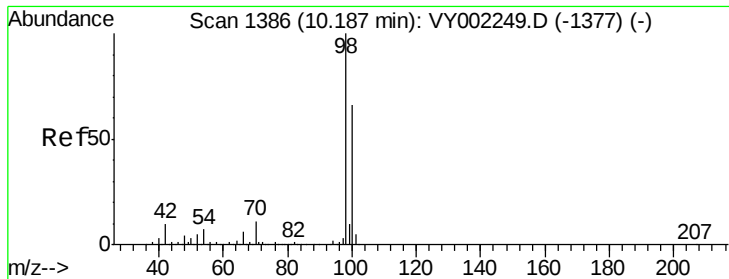
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 4.8   | 17.8  | 53.3# |
| 77      | 0.0   | 24.4  | 36.6# |



#38  
 Carbon Tetrachloride  
 Concen: 7.128 ug/l  
 RT: 7.82 min Scan# 997  
 Delta R.T. -0.10 min  
 Lab File: VY002321.D  
 Acq: 14 Apr 2020 19:54

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 3.4   | 77.1  | 115.7# |
| 121     | 0.0   | 23.9  | 35.9#  |





#50

Toluene-d8

Concen: 46.842 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002321.D

Acq: 14 Apr 2020 19:54

Instrument :

MSVOA\_Y

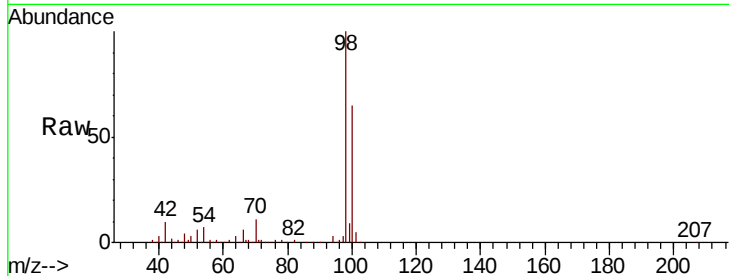
ClientSampleId :

Tot Ion: 98 Resp: 107945

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

60000

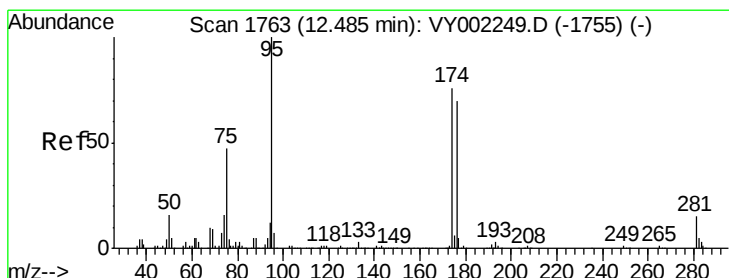
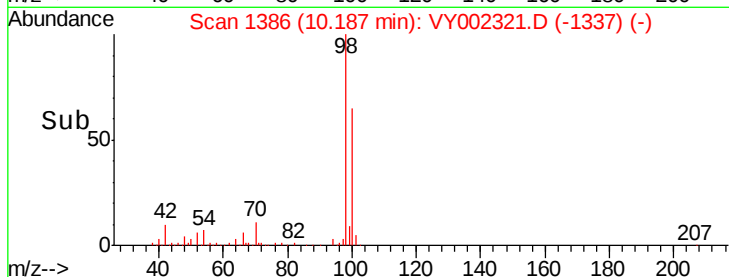
40000

20000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 36.496 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002321.D

Acq: 14 Apr 2020 19:54

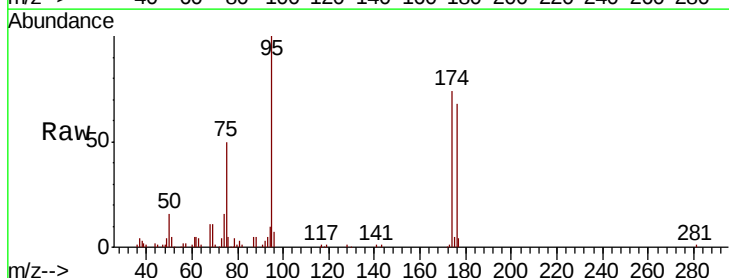
Tgt Ion: 95 Resp: 27747

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.6

176 70.4 0.0 141.4



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.49

25000

20000

15000

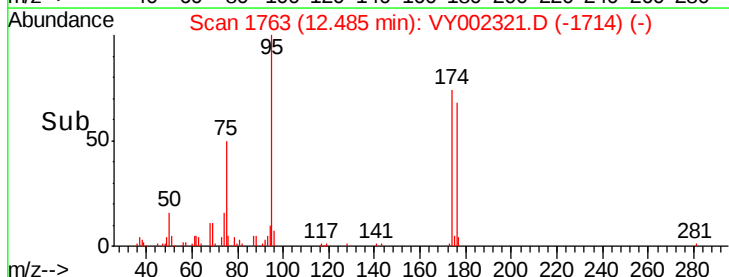
10000

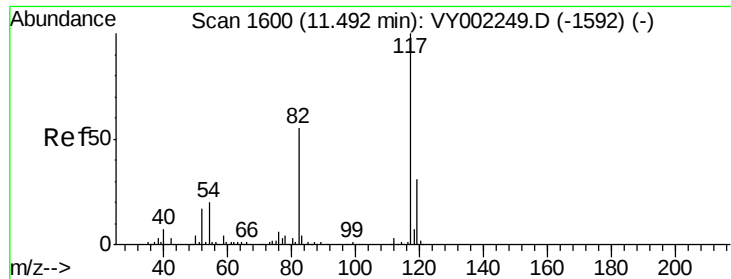
5000

0

Time-->

12.40 12.45 12.50 12.55

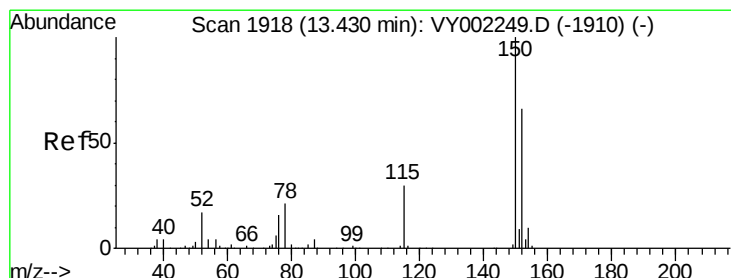
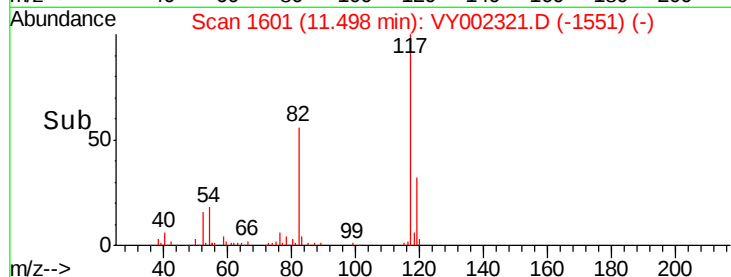
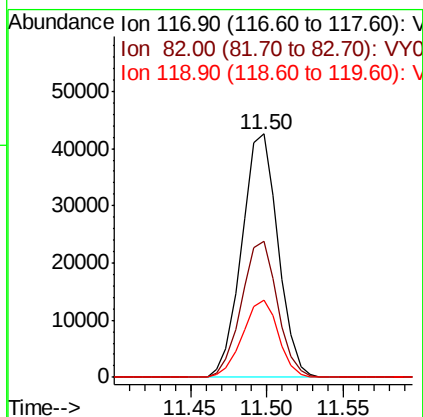
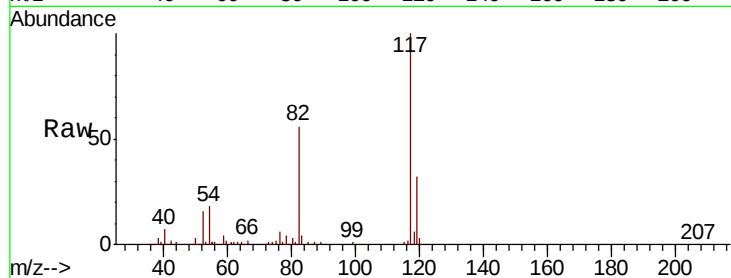




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VY002321.D  
Acq: 14 Apr 2020 19:54

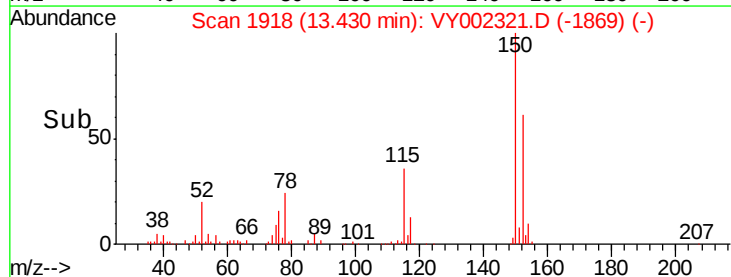
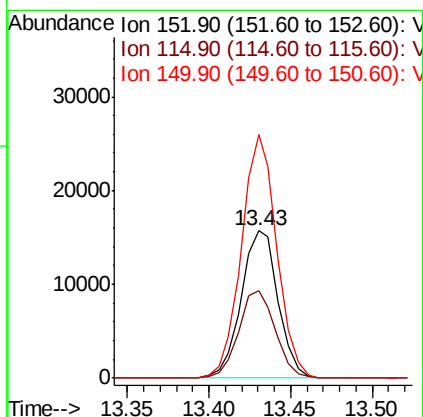
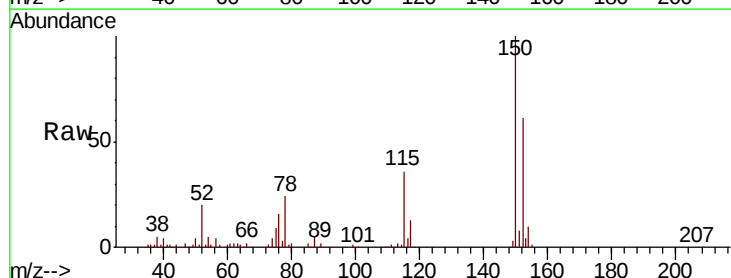
Instrument :  
MSVOA\_Y  
ClientSampled :

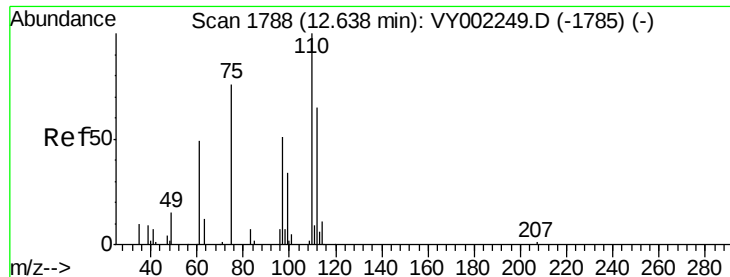
Tot Ion:117 Resp: 69992  
Ion Ratio Lower Upper  
117 100  
82 56.0 44.2 66.4  
119 31.6 25.1 37.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VY002321.D  
Acq: 14 Apr 2020 19:54

Tgt Ion:152 Resp: 24647  
Ion Ratio Lower Upper  
152 100  
115 58.8 30.7 92.1  
150 158.0 0.0 350.6





#76

1,2,3-Trichloropropane

Concen: 45.873 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002321.D

Acq: 14 Apr 2020 19:54

Instrument :

MSVOA\_Y

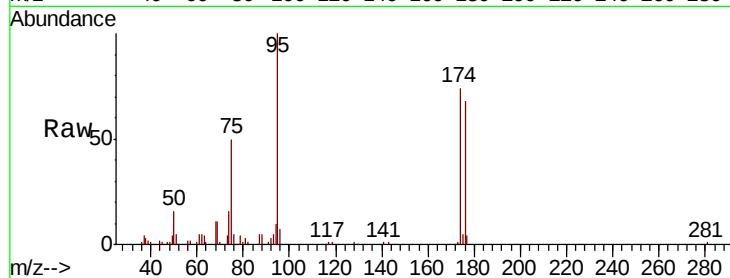
ClientSampleId :

Tot Ion: 75 Resp: 13129

Ion Ratio Lower Upper

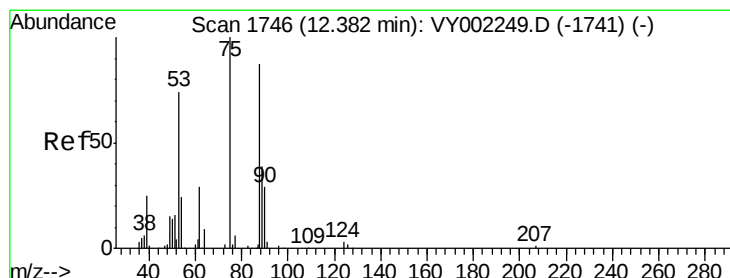
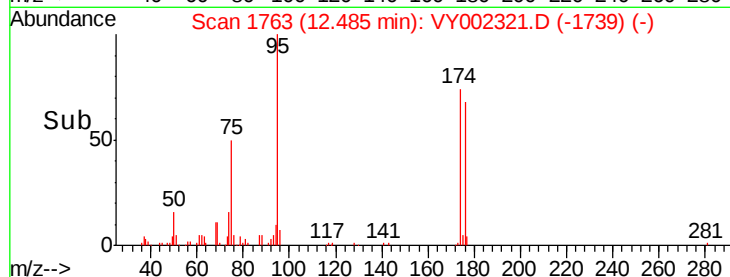
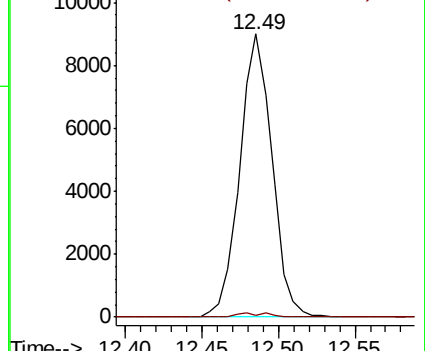
75 100

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: 89.222 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002321.D

Acq: 14 Apr 2020 19:54

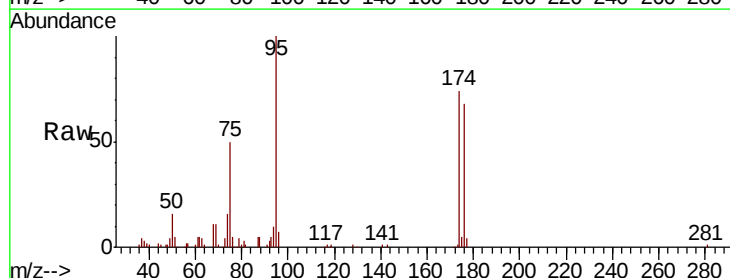
Tgt Ion: 75 Resp: 13129

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.2 37.0 55.6#



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

