

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121620\  
 Data File : VY003802.D  
 Acq On : 16 Dec 2020 14:15  
 Operator : SY/MD  
 Sample : L5069-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Dec 17 02:52:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y121520S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 16 05:00:50 2020  
 Response via : Initial Calibration

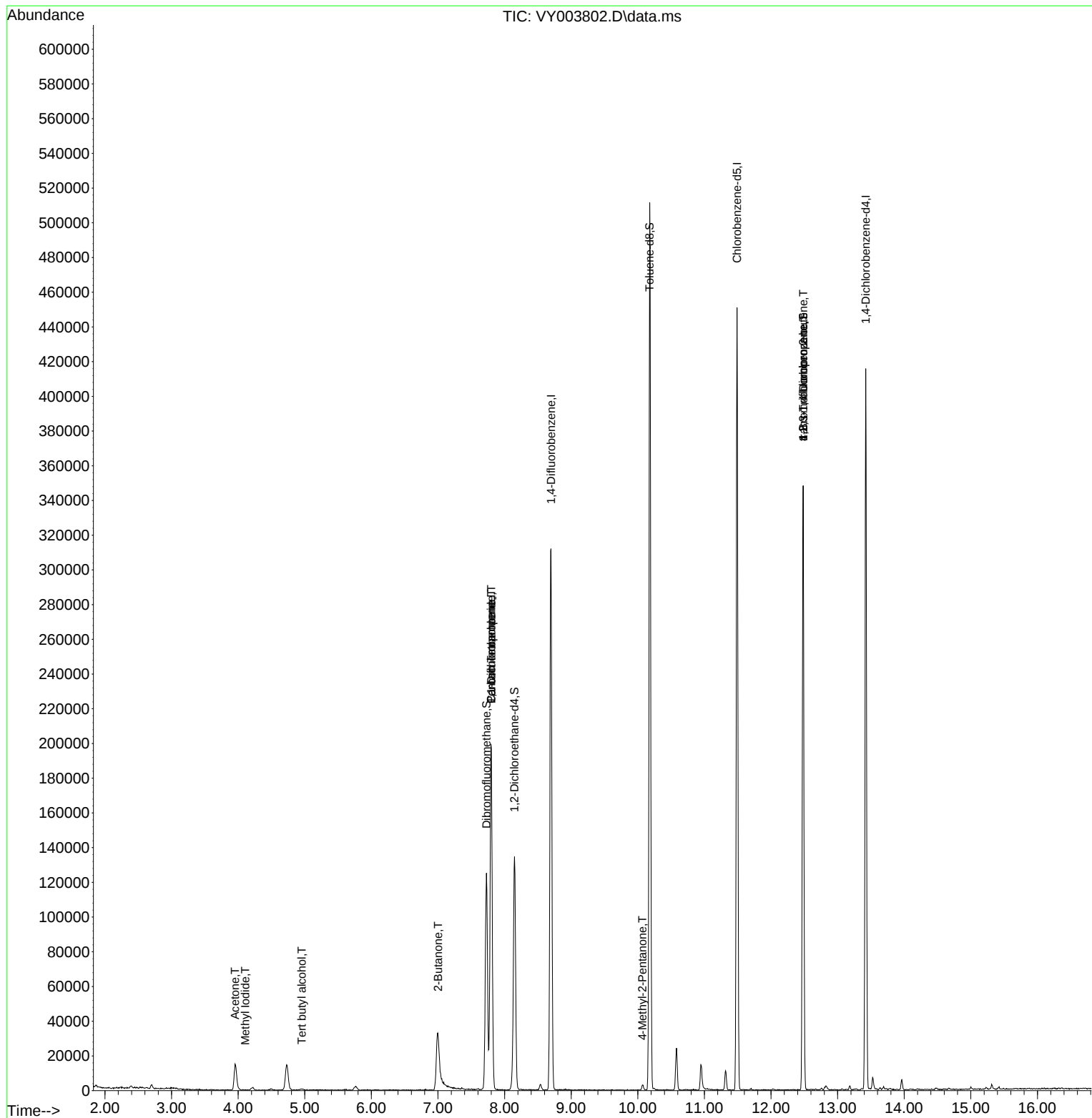
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 7.801          | 168  | 162943     | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 279684     | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 247985     | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 108573     | 50.00     | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 99320      | 49.15     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = | 98.30%    |        |          |
| 35) Dibromofluoromethane      | 7.728          | 113  | 87128      | 43.07     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = | 86.14%    |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 333014     | 41.58     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = | 83.16%    |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 97515      | 35.43     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = | 70.86%    |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 5) Bromomethane               | 2.656          | 94   | 45         | Below Cal | #      | 2        |
| 10) Methyl Iodide             | 4.107          | 142  | 35         | 3.76      | ug/l # | 42       |
| 11) Tert butyl alcohol        | 4.954          | 59   | 732        | 3.61      | ug/l # | 80       |
| 16) Acetone                   | 3.954          | 43   | 24364      | 52.42     | ug/l # | 89       |
| 20) Methylene Chloride        | 4.722          | 84   | 11061      | Below Cal | #      | 88       |
| 25) 2-Butanone                | 7.002          | 43   | 6070       | 8.08      | ug/l   | 93       |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 11890      | 3.78      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801          | 117  | 14907      | 4.75      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.069         | 43   | 2269       | 1.22      | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 48575      | 37.77     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 48575      | 71.52     | ug/l # | 5        |
| -----                         |                |      |            |           |        |          |

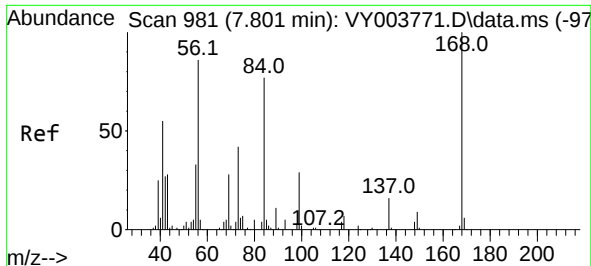
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY121620\  
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Sample : L5069-01  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Dec 17 02:52:42 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y121520S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 16 05:00:50 2020  
Response via : Initial Calibration

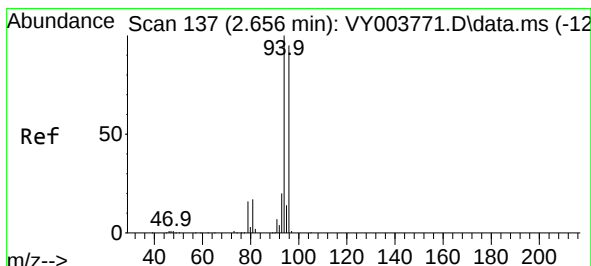
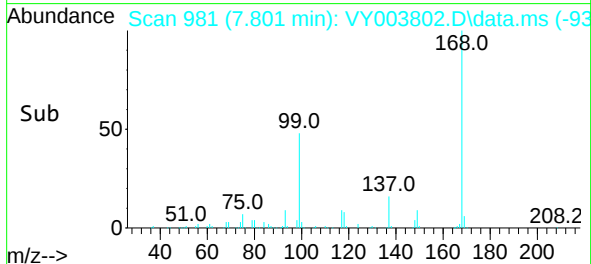
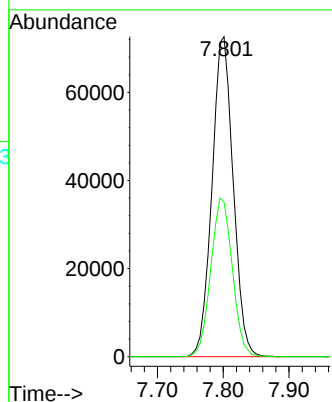
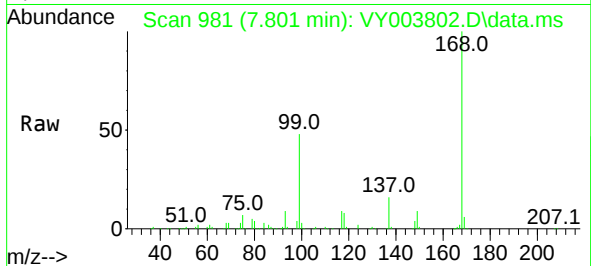




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

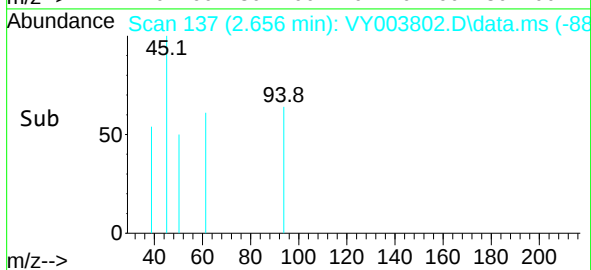
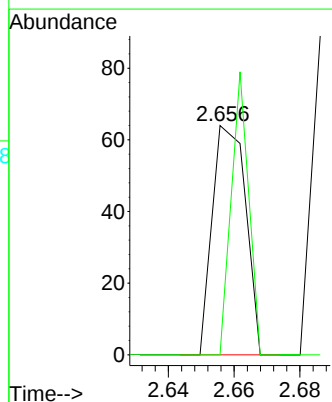
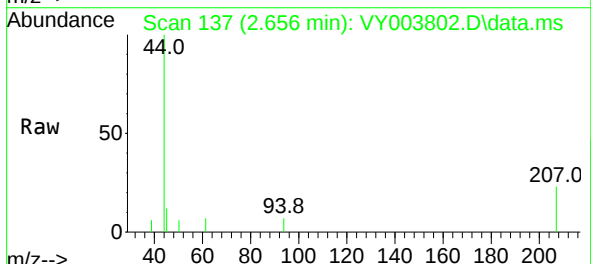
Instrument :  
MSVOA\_Y  
ClientSampled :

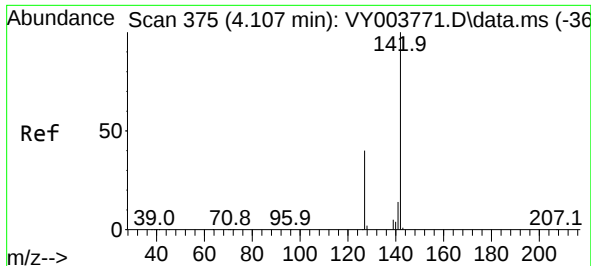
Tgt Ion:168 Resp: 162943  
Ion Ratio Lower Upper  
168 100  
99 48.3 41.9 62.9



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 137  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

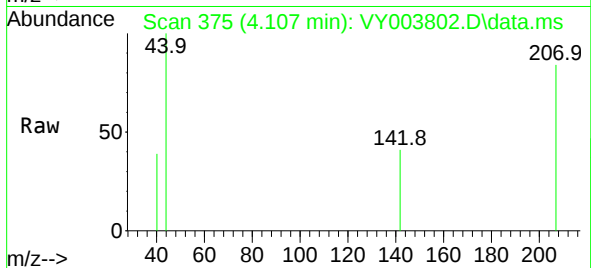
Tgt Ion: 94 Resp: 45  
Ion Ratio Lower Upper  
94 100  
96 0.0 75.9 113.9#



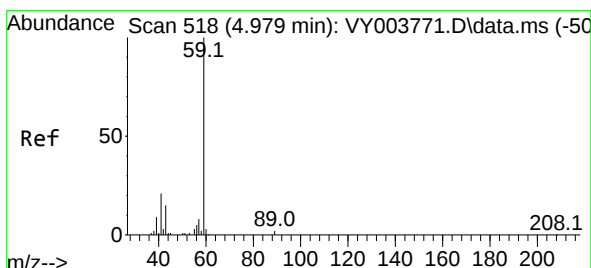
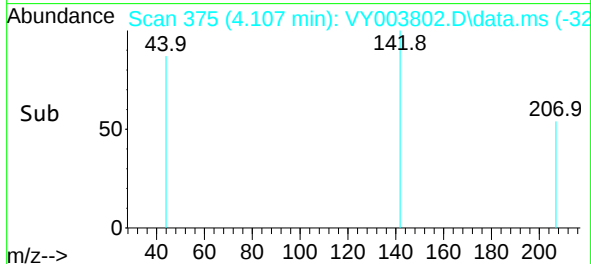
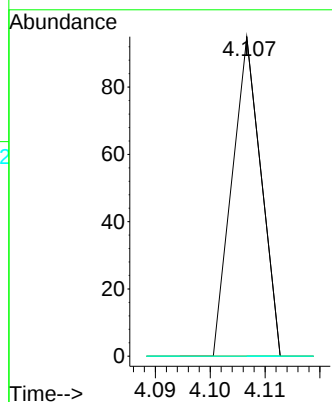


#10  
Methyl Iodide  
Concen: 3.76 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

Instrument :  
MSVOA\_Y  
ClientSampled :

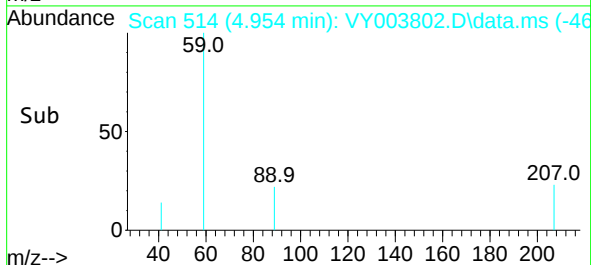
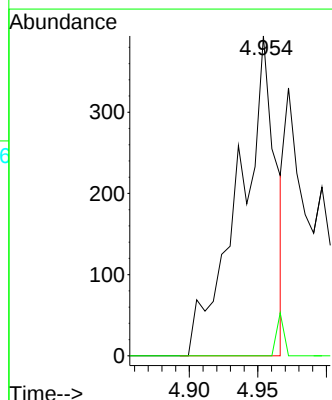
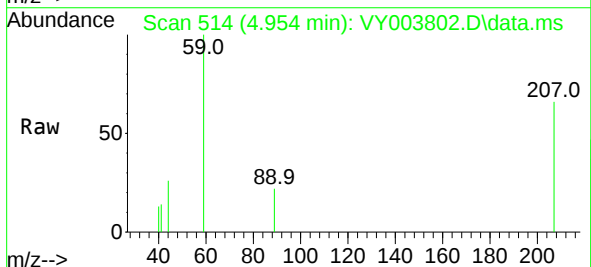


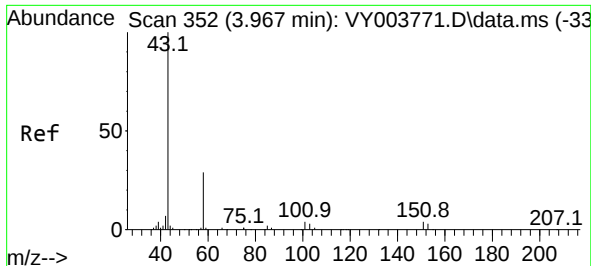
Tgt Ion:142 Resp: 35  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.7 50.5#  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 3.61 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.024 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

Tgt Ion: 59 Resp: 732  
Ion Ratio Lower Upper  
59 100  
57 2.6 8.0 12.0#

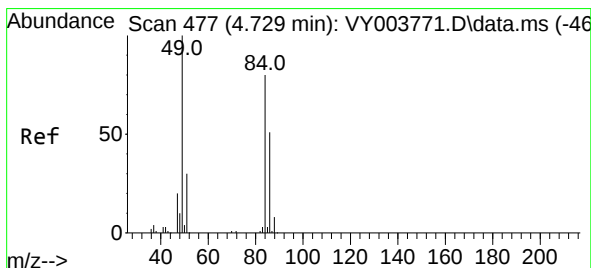
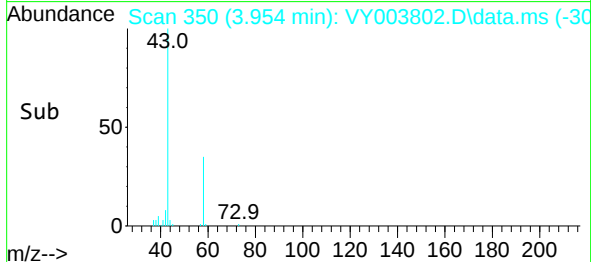
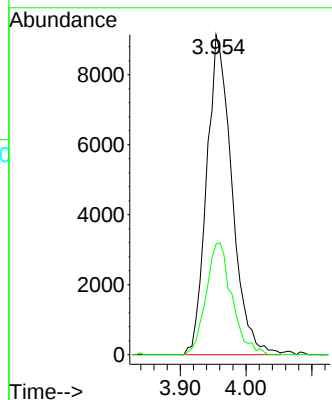
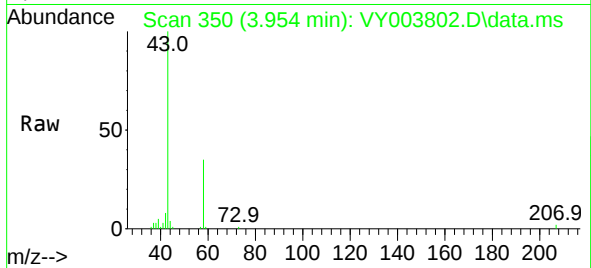




#16  
Acetone  
Concen: 52.42 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.012 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

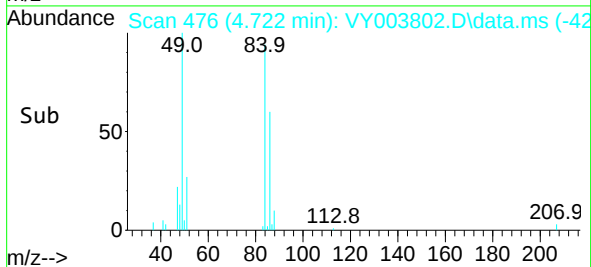
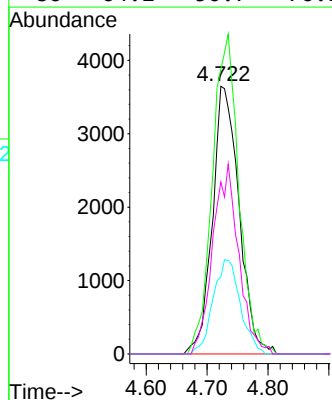
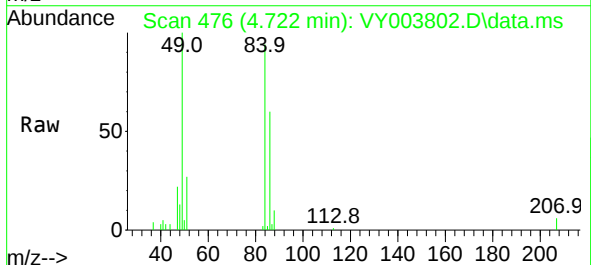
Instrument :  
MSVOA\_Y  
ClientSampled :

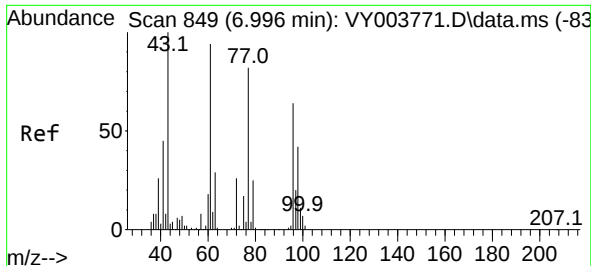
Tgt Ion: 43 Resp: 24364  
Ion Ratio Lower Upper  
43 100  
58 34.5 22.9 34.3#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.722 min Scan# 476  
Delta R.T. -0.007 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

Tgt Ion: 84 Resp: 11061  
Ion Ratio Lower Upper  
84 100  
49 106.4 100.4 150.6  
51 28.7 30.3 45.5#  
86 64.2 50.7 76.1





#25

2-Butanone

Concen: 8.08 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY003802.D

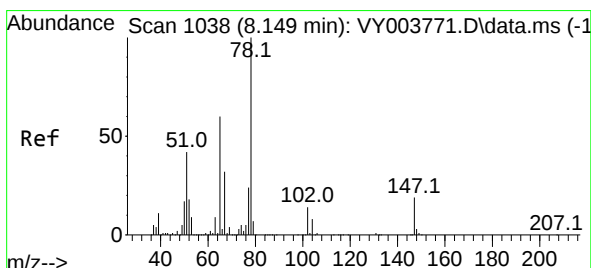
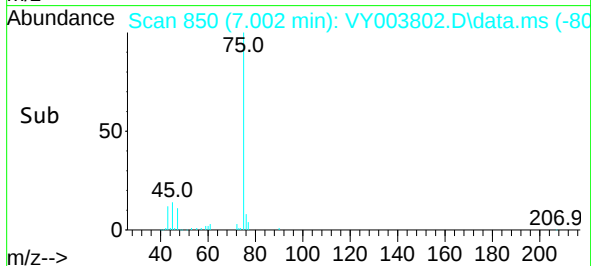
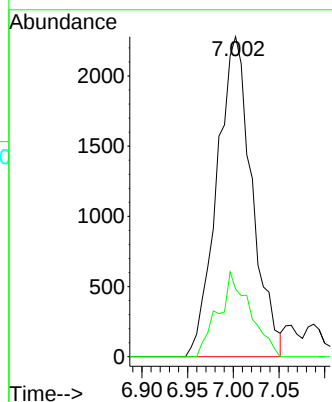
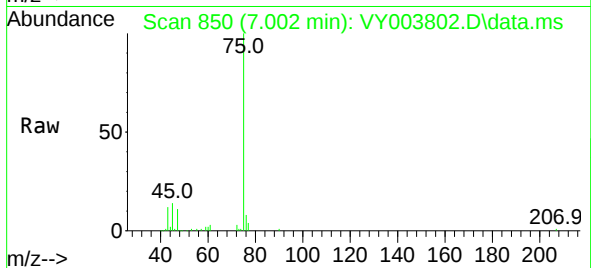
Acq: 16 Dec 2020 14:15

Tgt Ion: 43 Resp: 6070

Ion Ratio Lower Upper

43 100

72 21.8 20.5 30.7



#33

1,2-Dichloroethane-d4

Concen: 49.15 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VY003802.D

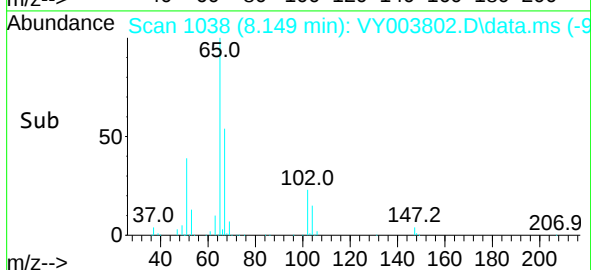
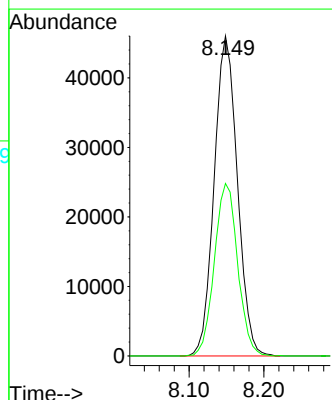
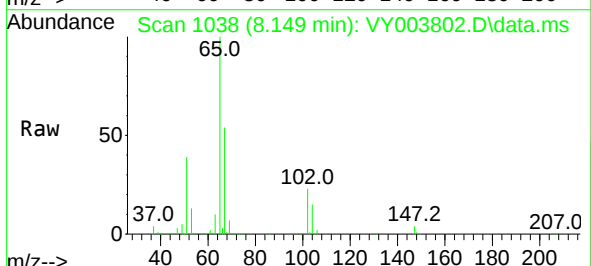
Acq: 16 Dec 2020 14:15

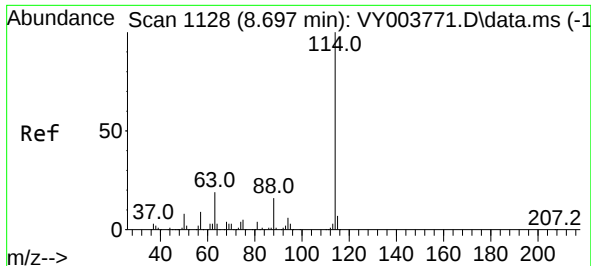
Tgt Ion: 65 Resp: 99320

Ion Ratio Lower Upper

65 100

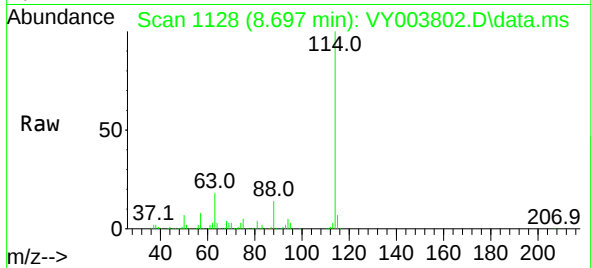
67 54.2 0.0 107.6



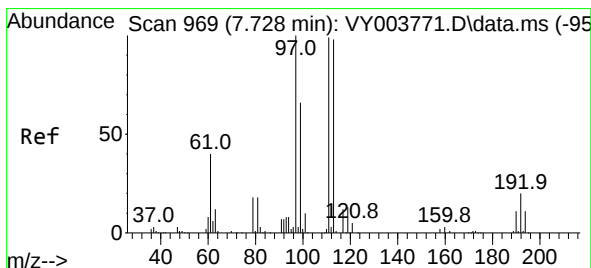
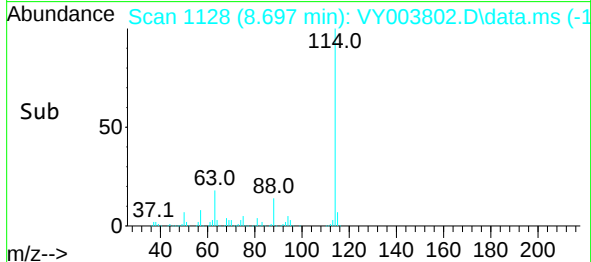
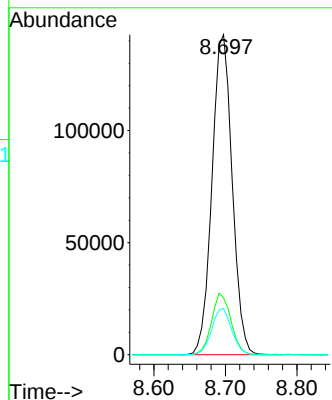


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

Instrument :  
MSVOA\_Y  
ClientSampleId :

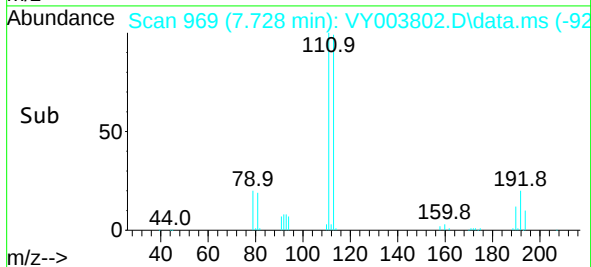
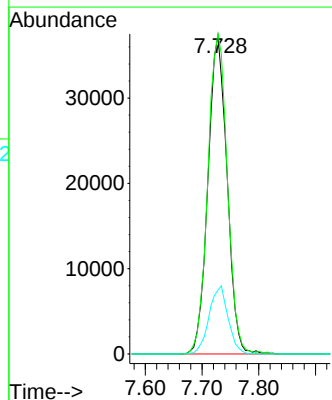
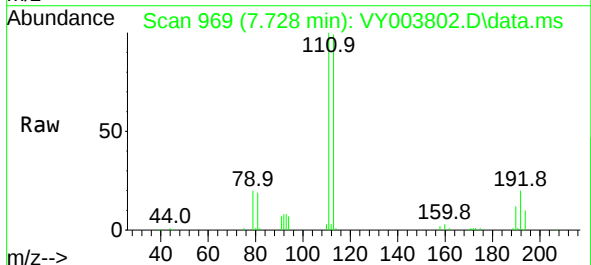


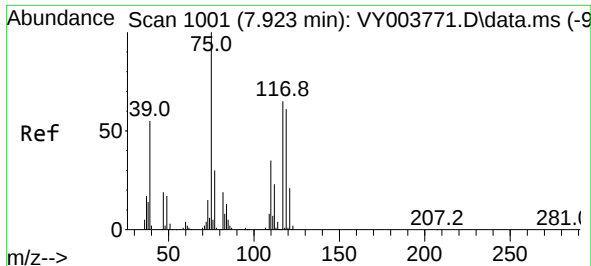
Tgt Ion:114 Resp: 279684  
Ion Ratio Lower Upper  
114 100  
63 17.7 0.0 38.4  
88 14.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 43.07 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

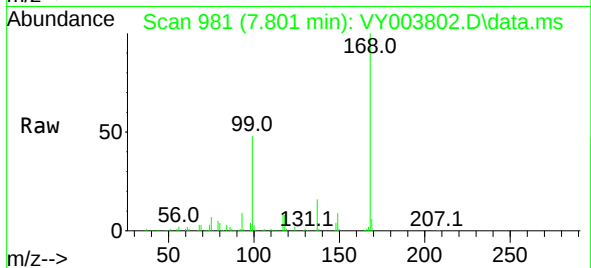
Tgt Ion:113 Resp: 87128  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.2  
192 21.3 16.7 25.1



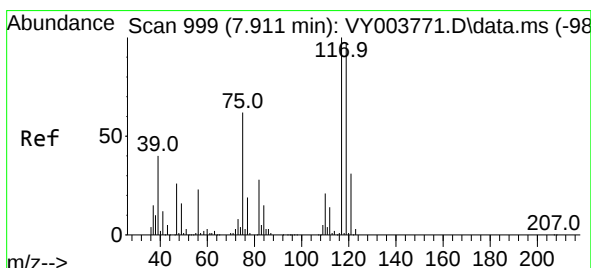
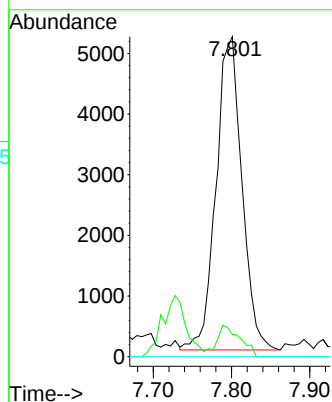
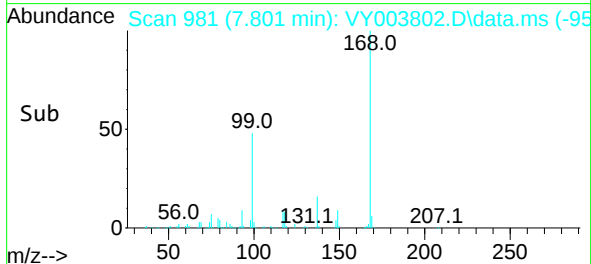


#36  
1,1-Dichloropropene  
Concen: 3.78 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

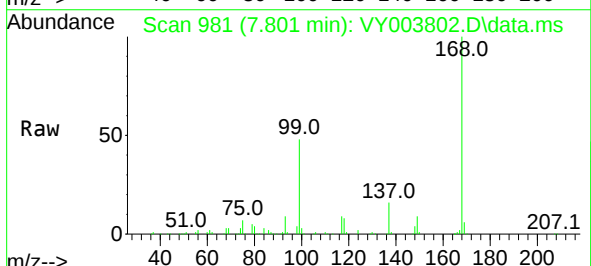
Instrument :  
MSVOA\_Y  
ClientSampled :



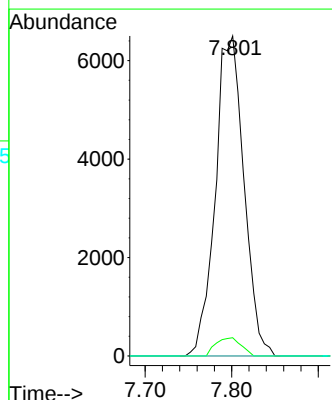
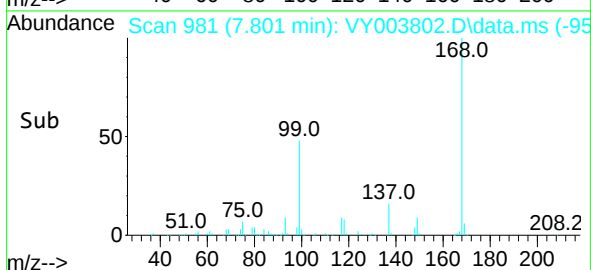
Tgt Ion: 75 Resp: 11890  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.1 54.1#  
77 0.0 24.6 36.8#

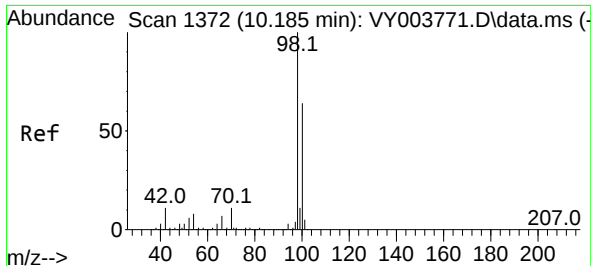


#38  
Carbon Tetrachloride  
Concen: 4.75 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.110 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15



Tgt Ion: 117 Resp: 14907  
Ion Ratio Lower Upper  
117 100  
119 5.7 77.2 115.8#  
121 0.0 25.0 37.4#

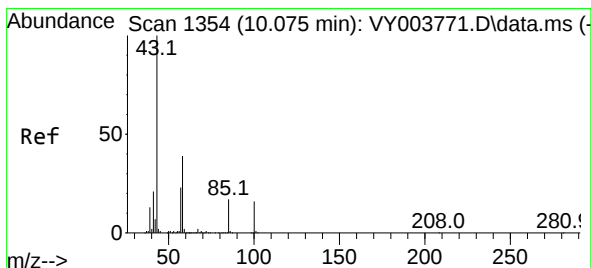
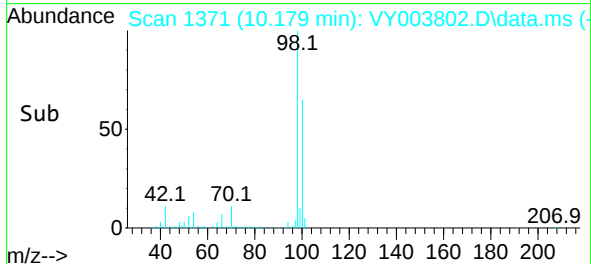
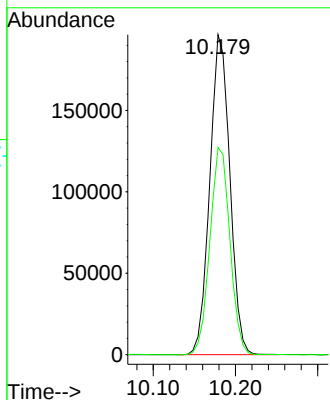
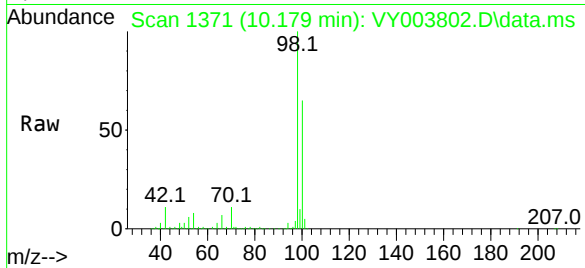




#50  
Toluene-d8  
Concen: 41.58 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

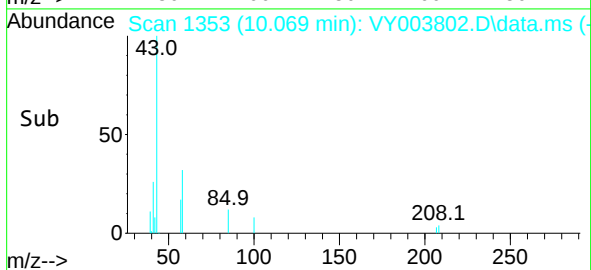
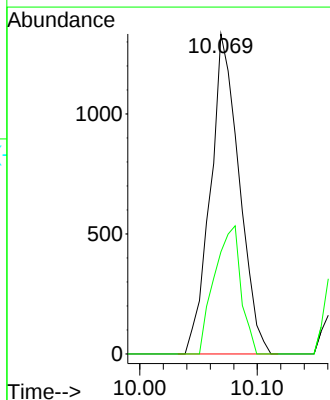
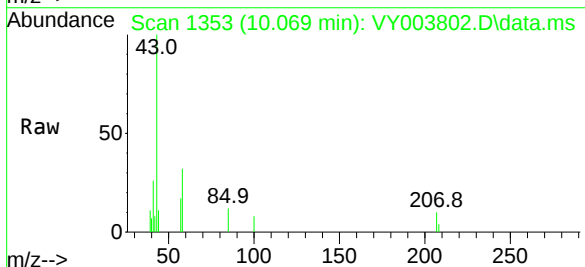
Instrument :  
MSVOA\_Y  
ClientSampled :

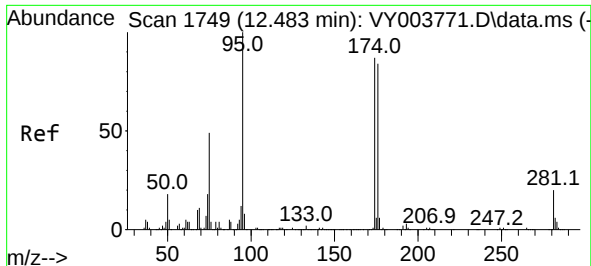
Tgt Ion: 98 Resp: 333014  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4



#51  
4-Methyl-2-Pentanone  
Concen: 1.22 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.006 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

Tgt Ion: 43 Resp: 2269  
Ion Ratio Lower Upper  
43 100  
58 36.8 30.6 45.8

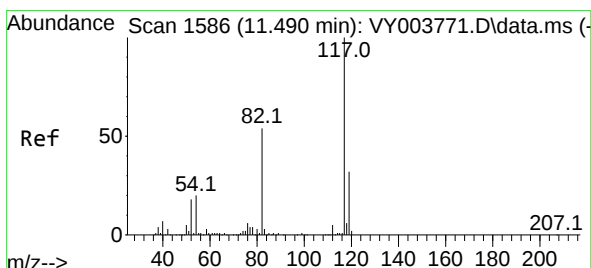
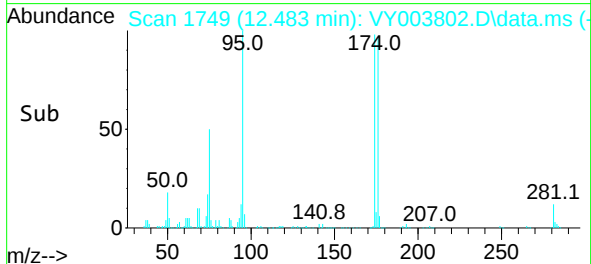
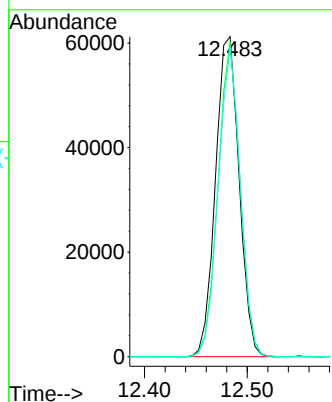
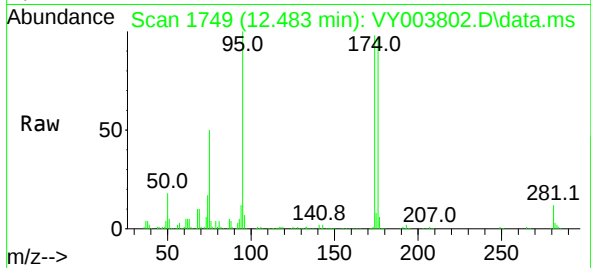




#62  
4-Bromofluorobenzene  
Concen: 35.43 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

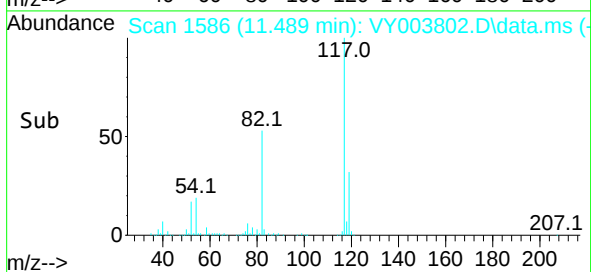
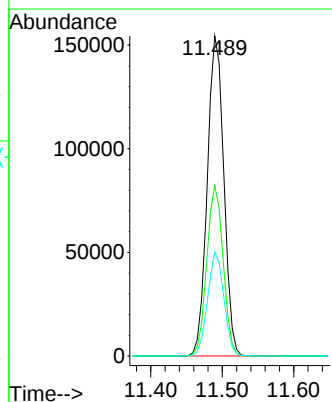
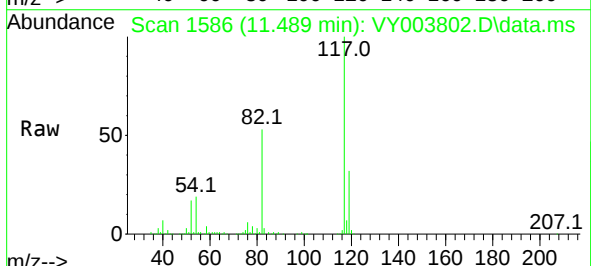
Instrument :  
MSVOA\_Y  
ClientSampled :

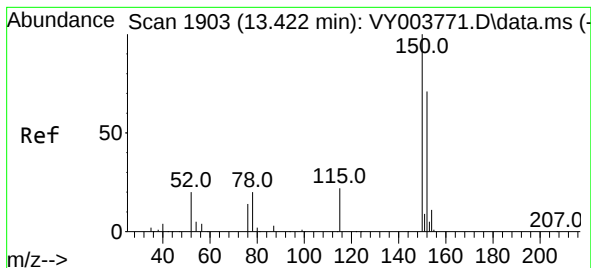
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 97515 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 92.1  | 0.0   | 170.8 |
| 176       | 90.2  | 0.0   | 165.0 |



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY003802.D  
Acq: 16 Dec 2020 14:15

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 247985 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 53.2  | 43.0  | 64.6   |
| 119       | 32.4  | 25.7  | 38.5   |

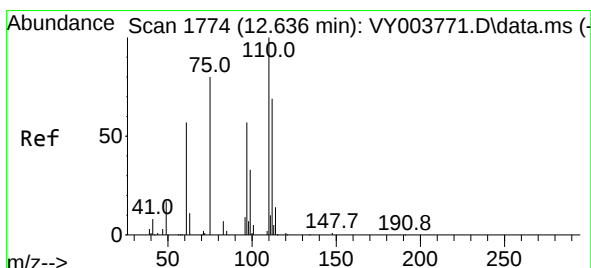
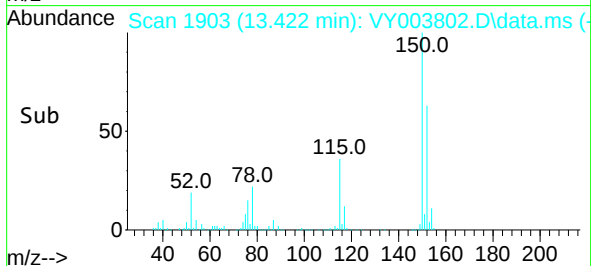
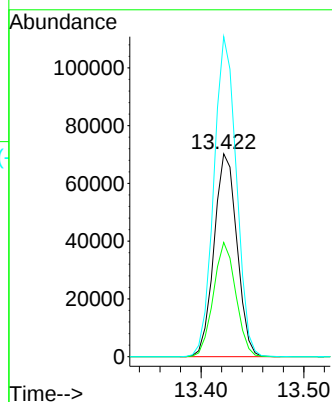
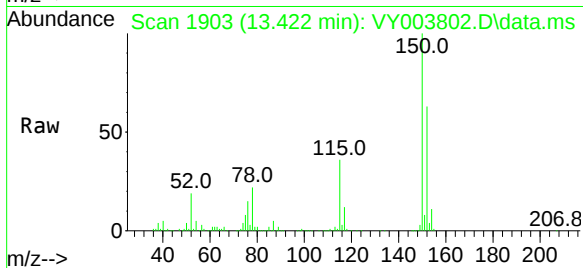




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY003802.D  
 Acq: 16 Dec 2020 14:15

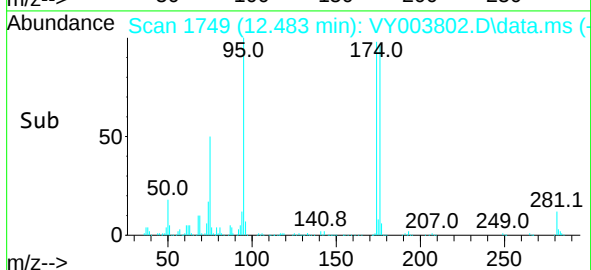
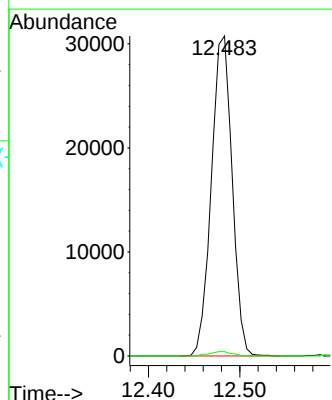
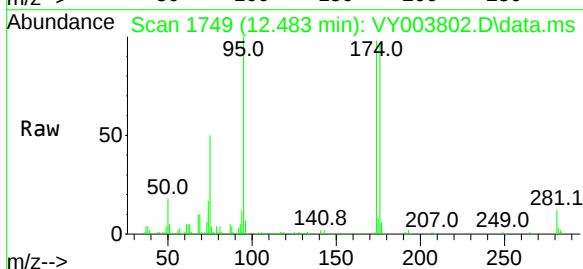
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

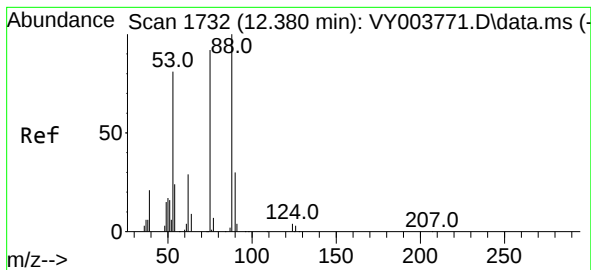
Tgt Ion:152 Resp: 108573  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.0 83.9  
 150 155.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 37.77 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY003802.D  
 Acq: 16 Dec 2020 14:15

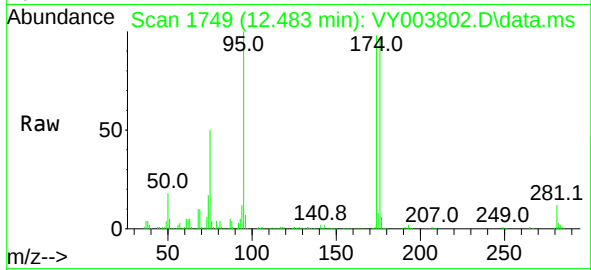
Tgt Ion: 75 Resp: 48575  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 71.52 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY003802.D  
 Acq: 16 Dec 2020 14:15

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 48575  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 70.4 105.6#  
 89 0.3 0.0 0.0#

