

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081321\  
 Data File : VY005642.D  
 Acq On : 13 Aug 2021 18:25  
 Operator : SY/MD  
 Sample : M3408-13  
 Misc : 9.23G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 34N

Quant Time: Aug 14 03:37:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

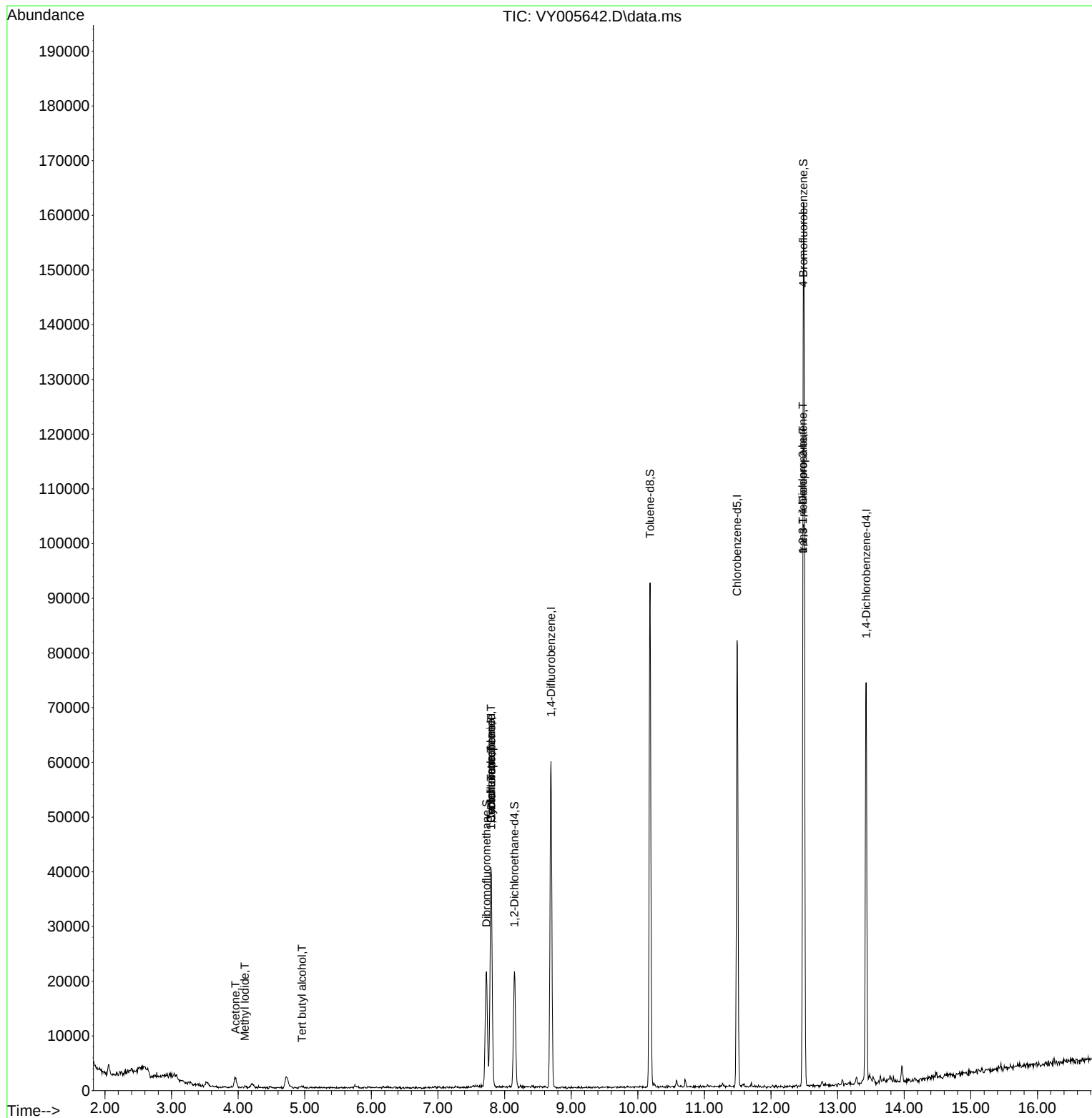
| Compound                      | R.T. QIon |                | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|--------|----------|
| -----                         |           |                |          |            |        |          |
| Internal Standards            |           |                |          |            |        |          |
| 1) Pentafluorobenzene         | 7.795     | 168            | 32868    | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114            | 48985    | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117            | 43939    | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152            | 19463    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds   |           |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65             | 17506    | 52.617     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 105.240% |        |          |
| 35) Dibromofluoromethane      | 7.728     | 113            | 14493    | 52.845     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 105.680% |        |          |
| 50) Toluene-d8                | 10.185    | 98             | 60264    | 52.394     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 49 - 140 | Recovery | = 104.780% |        |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95             | 17752    | 46.607     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000    | Range 25 - 144 | Recovery | = 93.220%  |        |          |
| Target Compounds              |           |                |          |            |        |          |
|                               |           |                |          |            | Qvalue |          |
| 10) Methyl Iodide             | 4.101     | 142            | 367      | 1.050      | ug/l # | 60       |
| 11) Tert butyl alcohol        | 4.960     | 59             | 338      | 10.277     | ug/l # | 73       |
| 16) Acetone                   | 3.960     | 43             | 3116     | 37.147     | ug/l   | 99       |
| 20) Methylene Chloride        | 4.722     | 84             | 1680     | Below Cal  | #      | 75       |
| 31) Cyclohexane               | 7.795     | 56             | 714      | 1.251      | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.801     | 75             | 2393     | 5.208      | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.795     | 117            | 3047     | 6.102      | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75             | 10507    | 52.094     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75             | 10507    | 105.015    | ug/l # | 12       |
| -----                         |           |                |          |            |        |          |

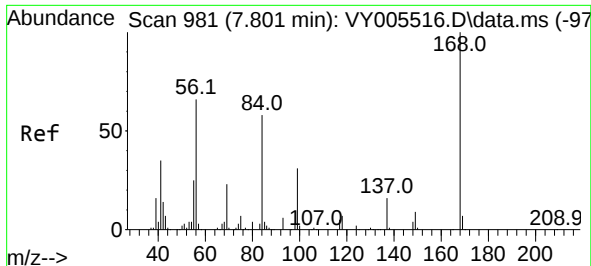
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Time: Aug 14 03:37:43 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

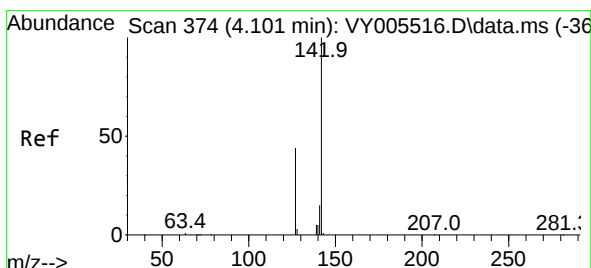
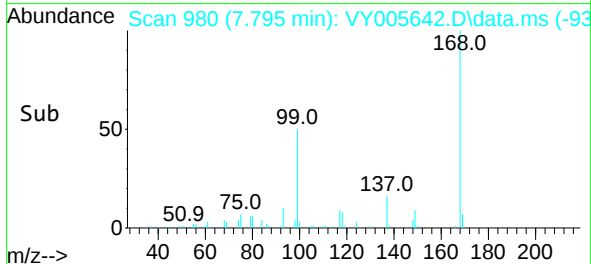
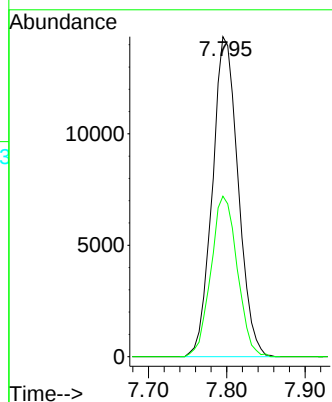
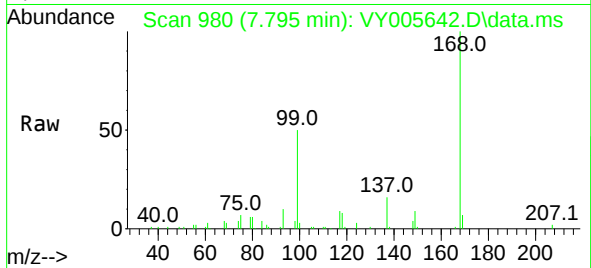




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

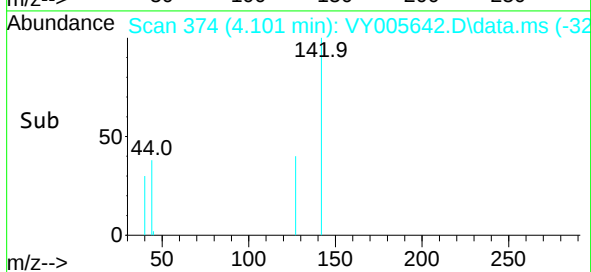
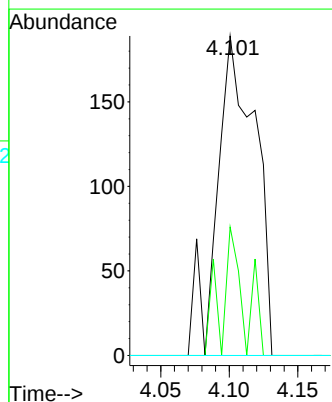
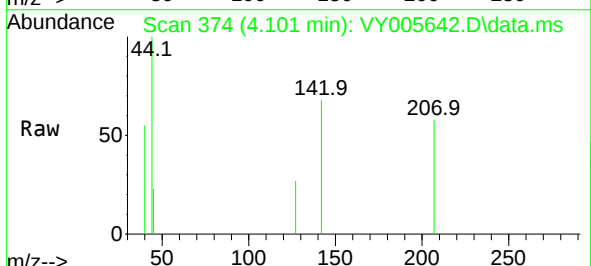
Instrument :  
MSVOA\_Y  
ClientSampled :  
34N

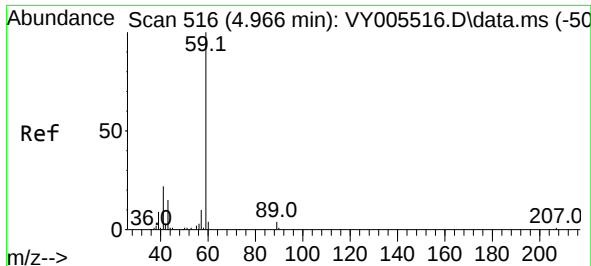
Tgt Ion:168 Resp: 32868  
Ion Ratio Lower Upper  
168 100  
99 50.2 38.9 58.3



#10  
Methyl Iodide  
Concen: 1.050 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

Tgt Ion:142 Resp: 367  
Ion Ratio Lower Upper  
142 100  
127 18.3 36.6 54.8#  
141 0.0 12.2 18.4#



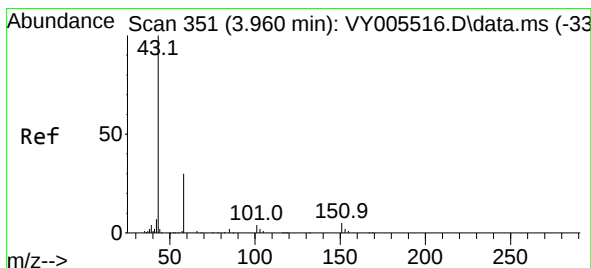
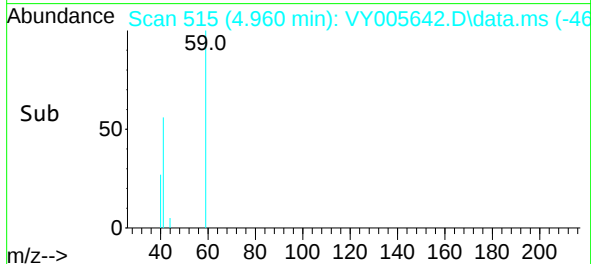
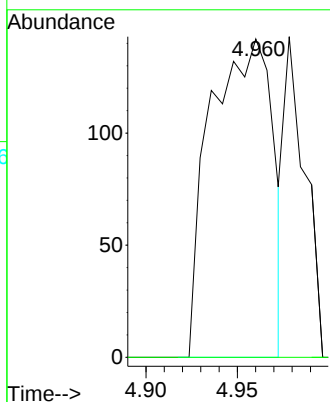
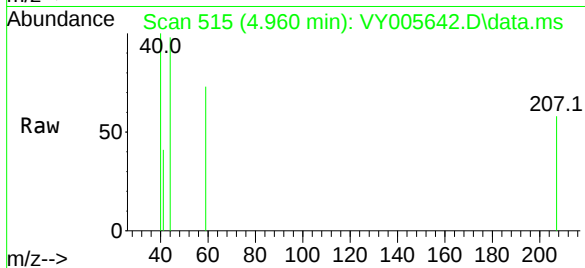


#11

Tert butyl alcohol  
Concen: 10.277 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. -0.006 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

Instrument :  
MSVOA\_Y  
ClientSampled :  
34N

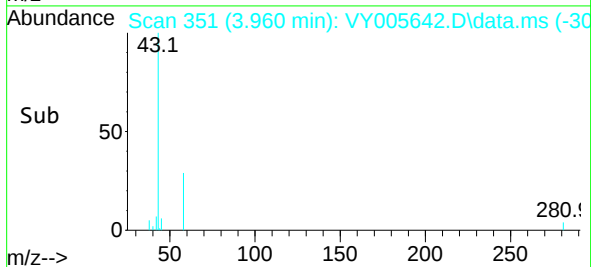
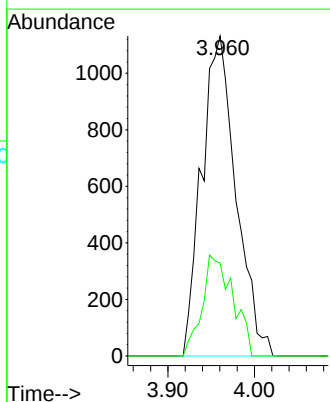
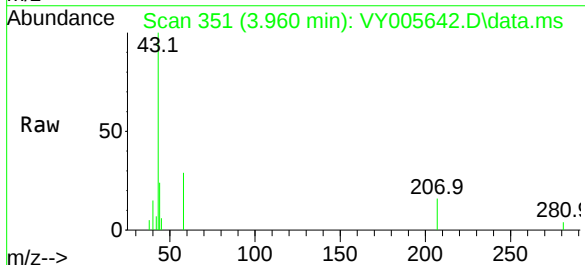
Tgt Ion: 59 Resp: 338  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

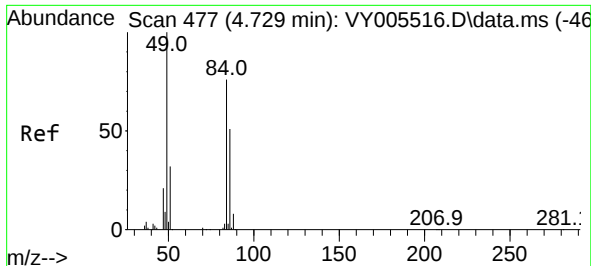


#16

Acetone  
Concen: 37.147 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

Tgt Ion: 43 Resp: 3116  
Ion Ratio Lower Upper  
43 100  
58 29.1 23.8 35.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. -0.007 min

Lab File: VY005642.D

Acq: 13 Aug 2021 18:25

Instrument :

MSVOA\_Y

ClientSampleId :

34N

Tgt Ion: 84 Resp: 1680

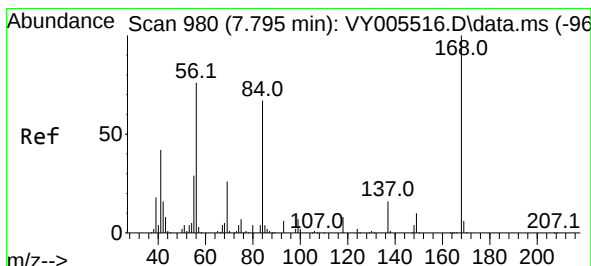
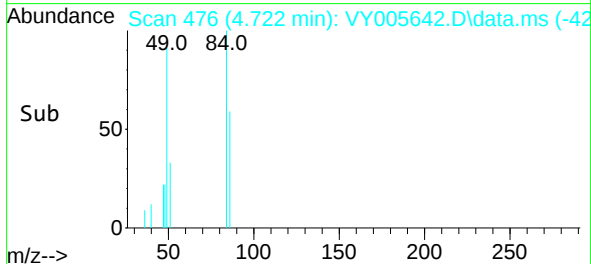
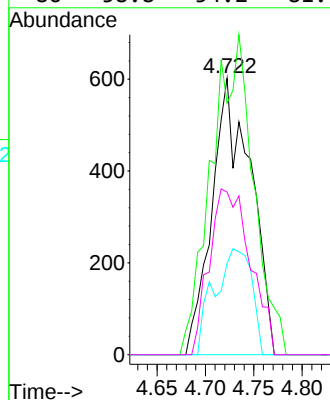
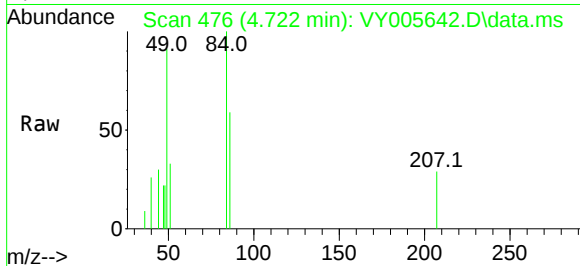
Ion Ratio Lower Upper

84 100

49 91.0 105.8 158.6#

51 33.1 33.4 50.2#

86 58.8 54.2 81.4



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.000 min

Lab File: VY005642.D

Acq: 13 Aug 2021 18:25

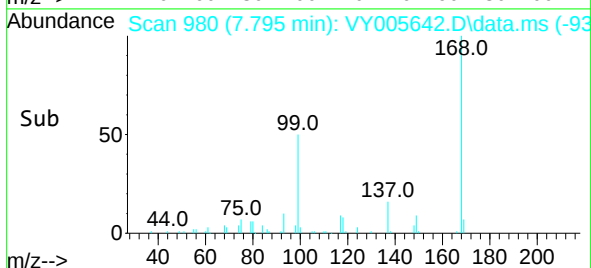
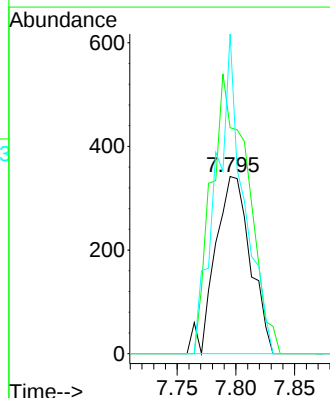
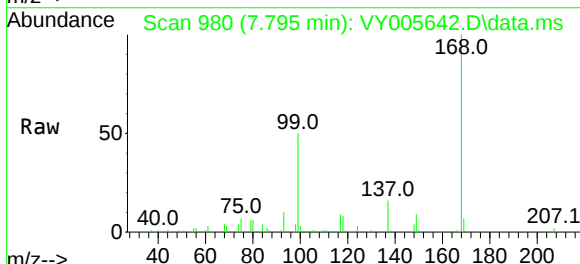
Tgt Ion: 56 Resp: 714

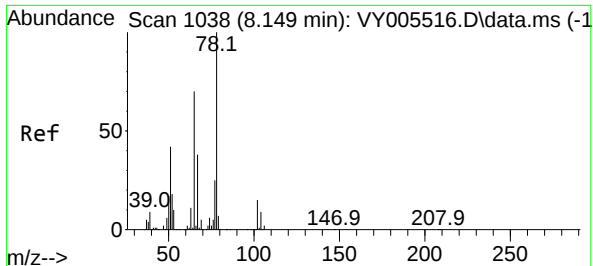
Ion Ratio Lower Upper

56 100

69 127.5 27.7 41.5#

84 180.4 70.9 106.3#

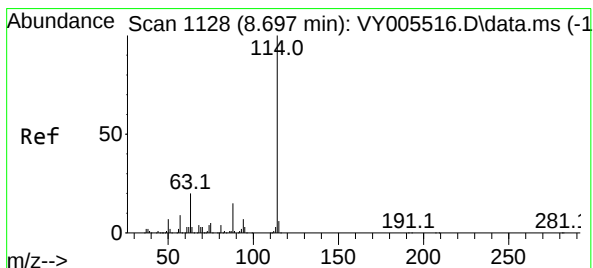
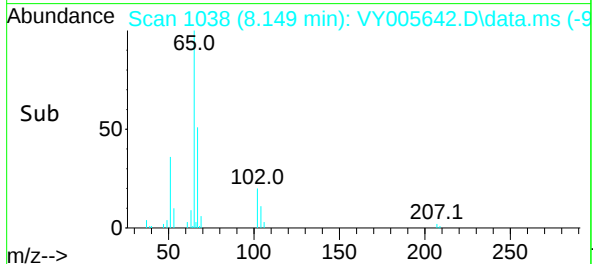
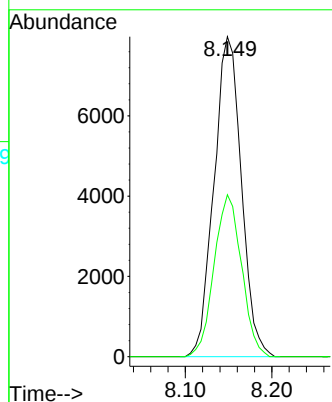
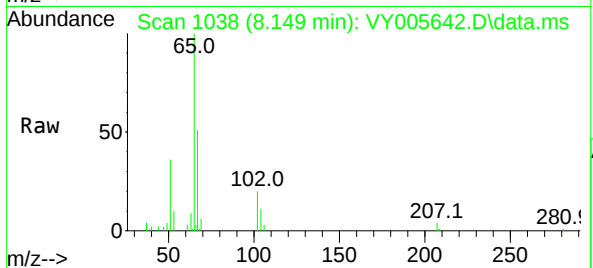




#33  
1,2-Dichloroethane-d4  
Concen: 52.617 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

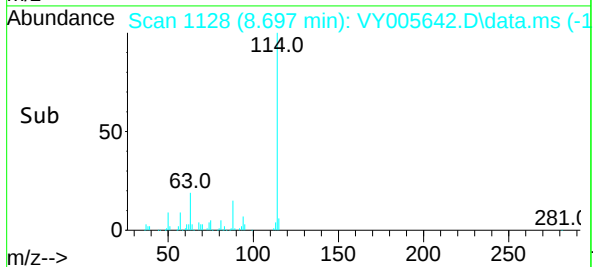
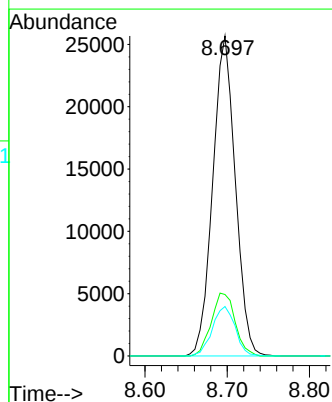
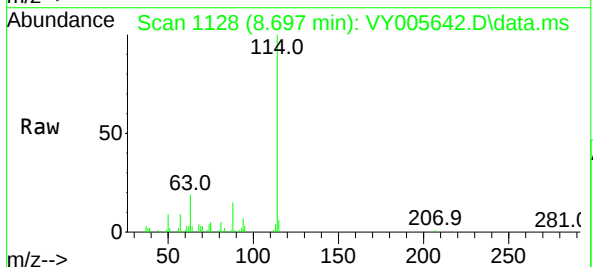
Instrument :  
MSVOA\_Y  
ClientSampled :  
34N

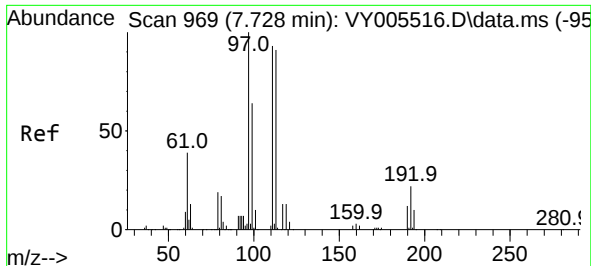
Tgt Ion: 65 Resp: 17506  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

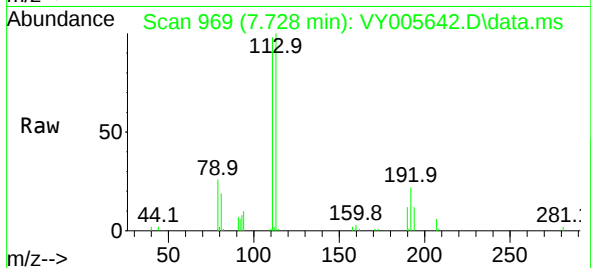
Tgt Ion: 114 Resp: 48985  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 39.2  
88 15.4 0.0 30.8



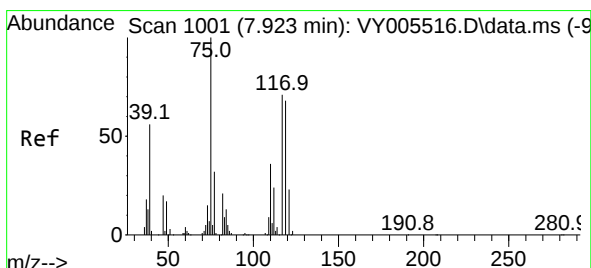
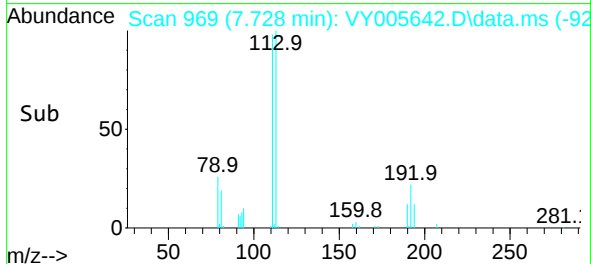
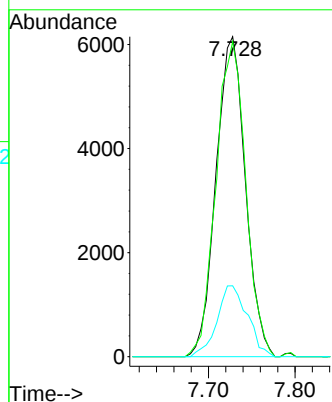


#35  
Dibromofluoromethane  
Concen: 52.845 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
34N

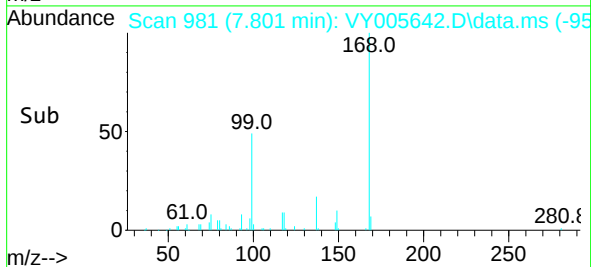
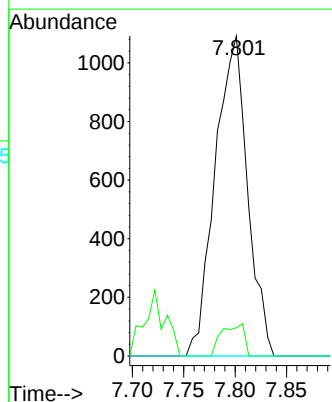
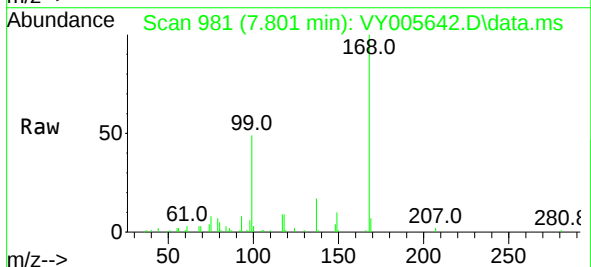


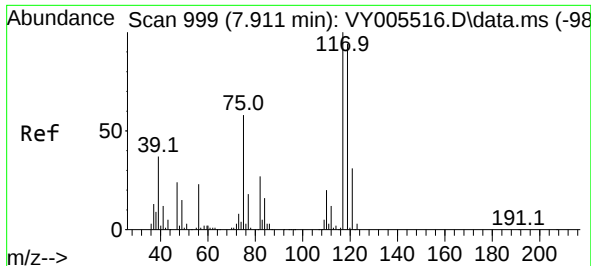
Tgt Ion: 113 Resp: 14493  
Ion Ratio Lower Upper  
113 100  
111 99.6 81.9 122.9  
192 23.0 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 5.208 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

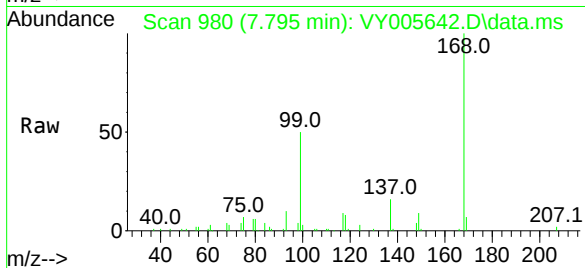
Tgt Ion: 75 Resp: 2393  
Ion Ratio Lower Upper  
75 100  
110 6.9 18.1 54.1#  
77 0.0 25.1 37.7#



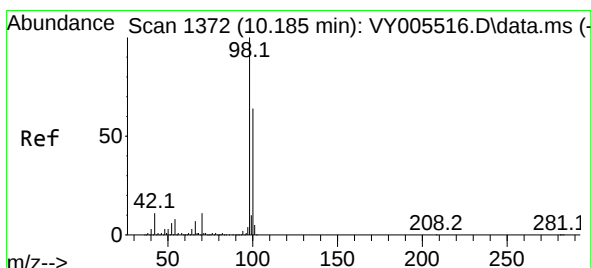
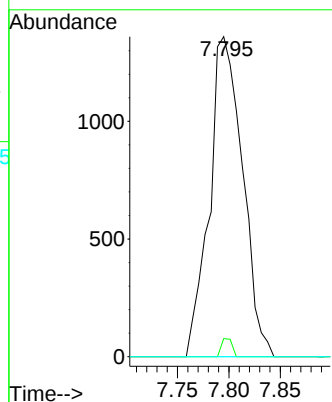
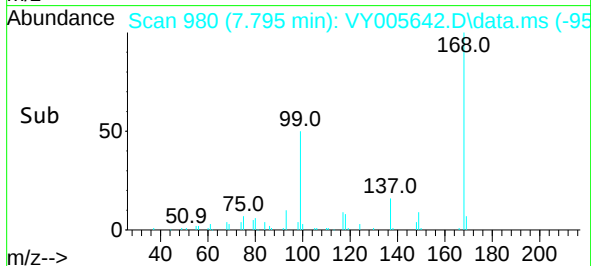


#38  
Carbon Tetrachloride  
Concen: 6.102 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

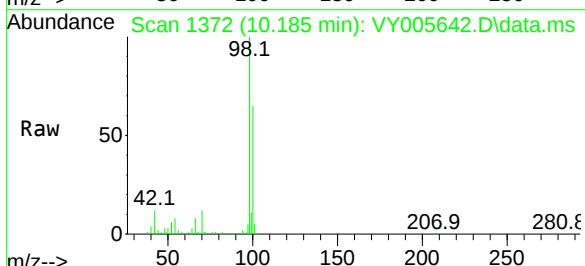
Instrument :  
MSVOA\_Y  
ClientSampled :  
34N



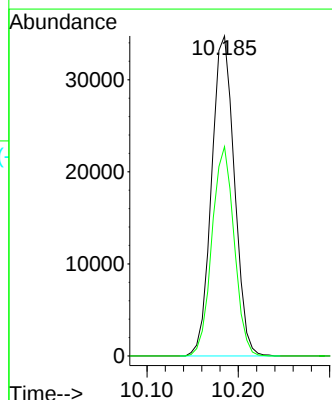
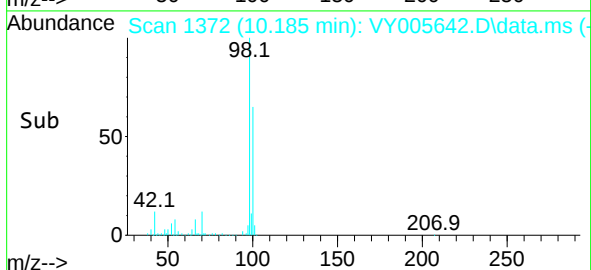
Tgt Ion:117 Resp: 3047  
Ion Ratio Lower Upper  
117 100  
119 5.7 75.4 113.0#  
121 0.0 25.1 37.7#

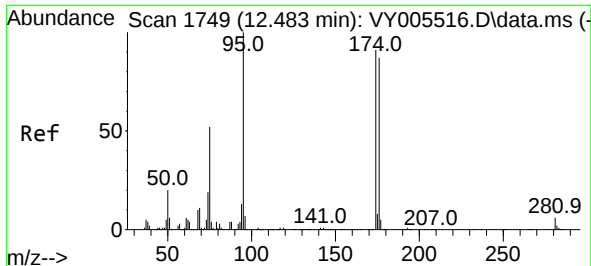


#50  
Toluene-d8  
Concen: 52.394 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25



Tgt Ion: 98 Resp: 60264  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.3 76.9

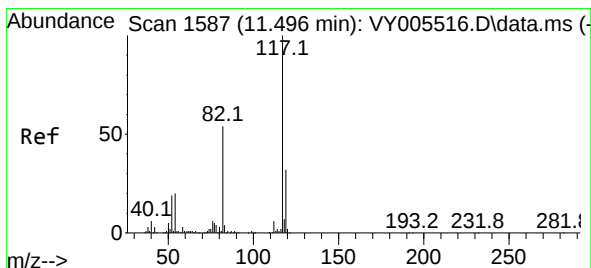
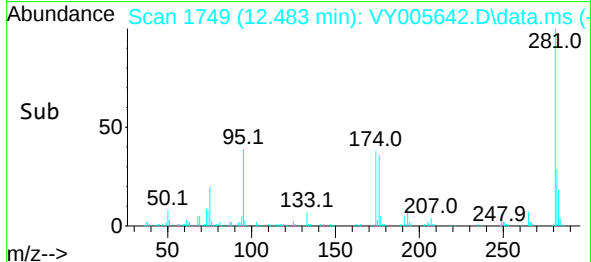
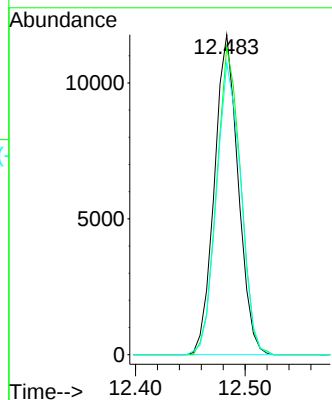
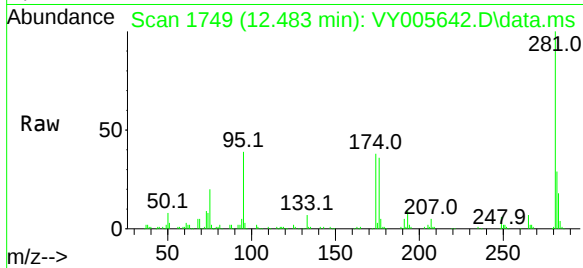




#62  
4-Bromofluorobenzene  
Concen: 46.607 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

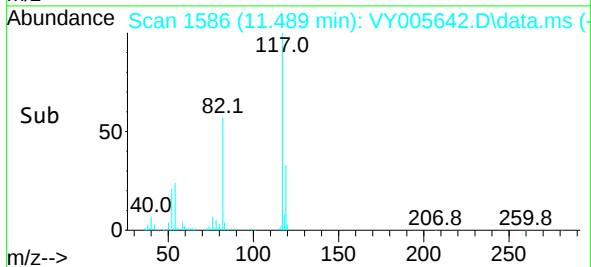
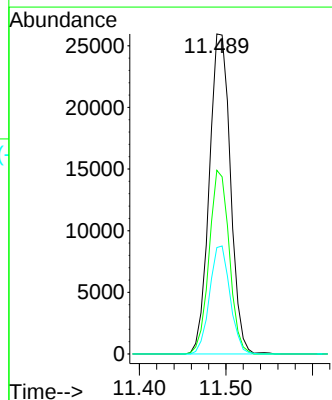
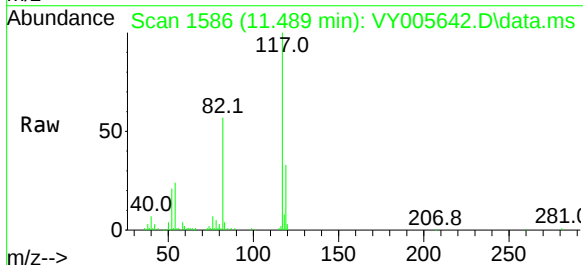
Instrument :  
MSVOA\_Y  
ClientSampleId :  
34N

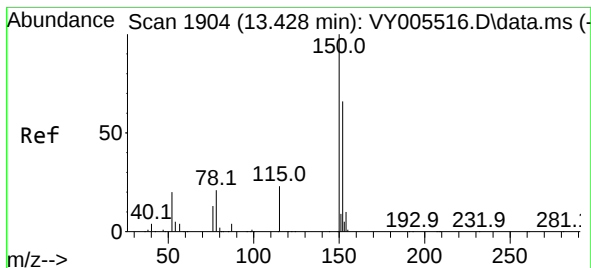
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 17752 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 97.5  | 0.0   | 191.4 |
| 176       | 93.7  | 0.0   | 183.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005642.D  
Acq: 13 Aug 2021 18:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 43939 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 57.4  | 43.5  | 65.3  |
| 119       | 33.3  | 25.5  | 38.3  |

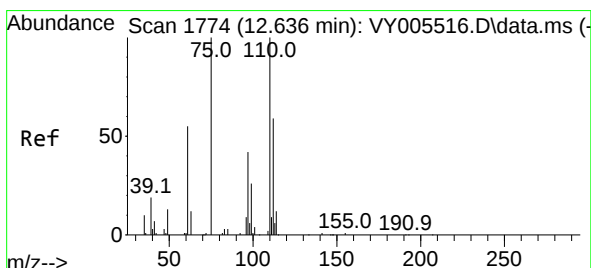
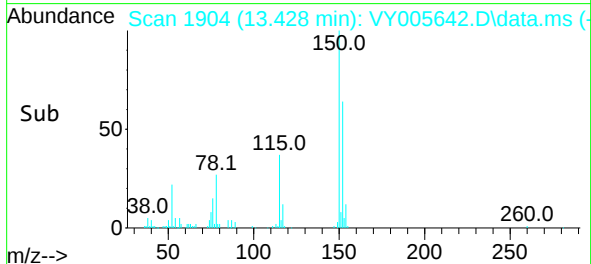
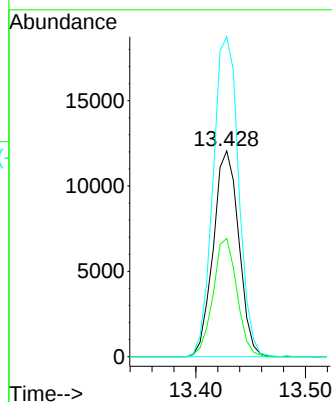
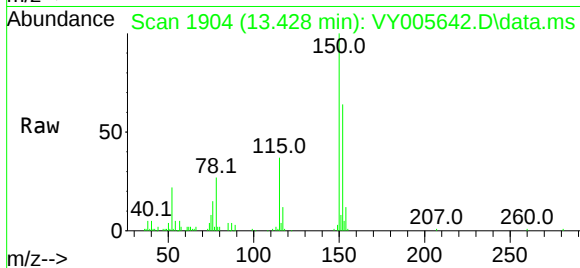




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY005642.D  
 Acq: 13 Aug 2021 18:25

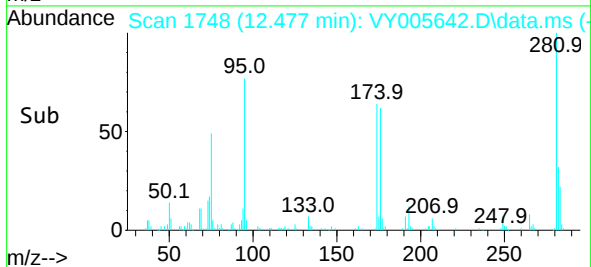
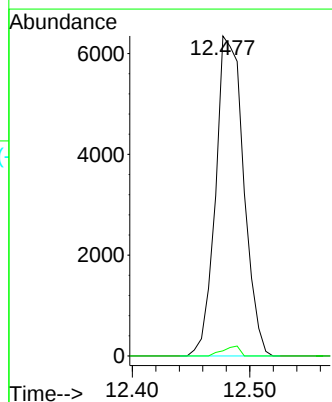
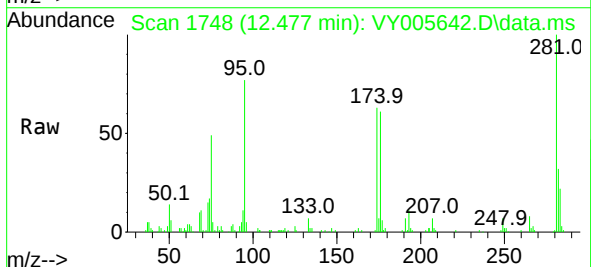
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 34N

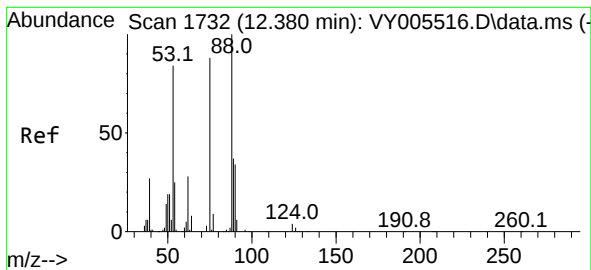
Tgt Ion:152 Resp: 19463  
 Ion Ratio Lower Upper  
 152 100  
 115 53.9 27.3 81.9  
 150 156.2 0.0 350.2



#76  
 1,2,3-Trichloropropane  
 Concen: 52.094 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.159 min  
 Lab File: VY005642.D  
 Acq: 13 Aug 2021 18:25

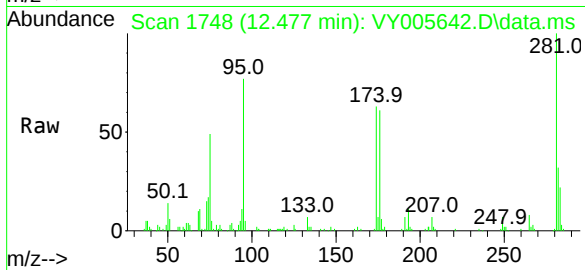
Tgt Ion: 75 Resp: 10507  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.015 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. 0.097 min  
 Lab File: VY005642.D  
 Acq: 13 Aug 2021 18:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 34N



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 10507  |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 76.7  | 115.1# |
| 89       | 2.5   | 38.4  | 57.6#  |

