

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041621\  
 Data File : VY004469.D  
 Acq On : 16 Apr 2021 14:59  
 Operator : SY/MD  
 Sample : M2050-05  
 Misc : 5.52G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-9

Quant Time: Apr 17 00:54:45 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

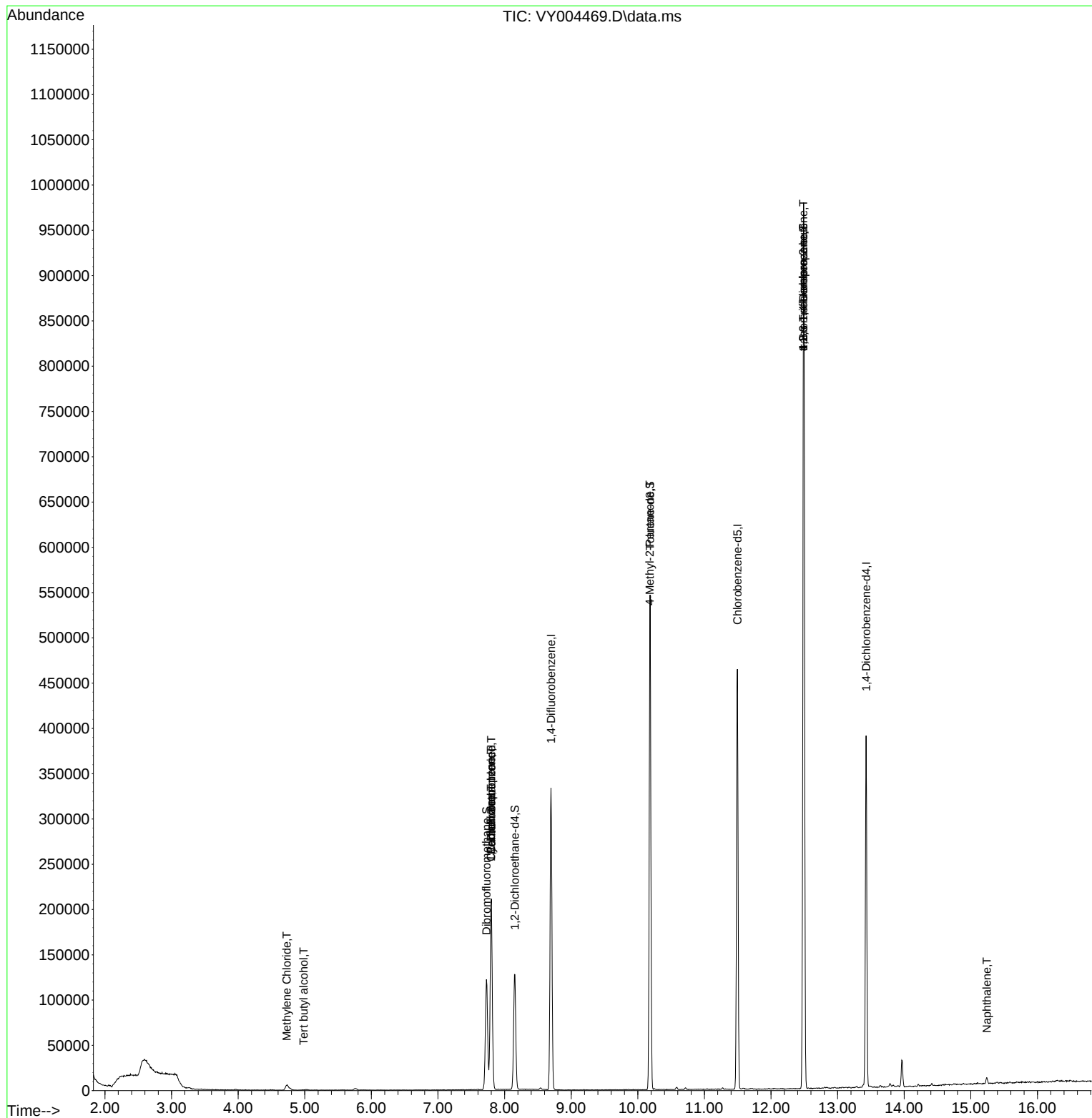
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 157665   | 50.00     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 272623   | 50.00     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 240306   | 50.00     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 90126    | 50.00     | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 100227   | 57.22     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 114.44%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 84231    | 55.67     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 111.34%  |
| 50) Toluene-d8                | 10.185 | 98    | 333178   | 51.77     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 103.54%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 103169   | 47.24     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 94.48%   |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.985  | 59    | 397      | 2.30      | ug/l # | 73       |
| 16) Acetone                   | 3.966  | 43    | 1333     | Below Cal | #      | 82       |
| 20) Methylene Chloride        | 4.729  | 84    | 4029     | 2.38      | ug/l # | 83       |
| 31) Cyclohexane               | 7.795  | 56    | 3855     | 1.20      | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 13015    | 4.80      | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 15523    | 6.63      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 1943     | 1.14      | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 62775    | 64.90     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 62775    | 116.09    | ug/l # | 14       |
| 95) Naphthalene               | 15.239 | 128   | 5266     | 1.42      | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

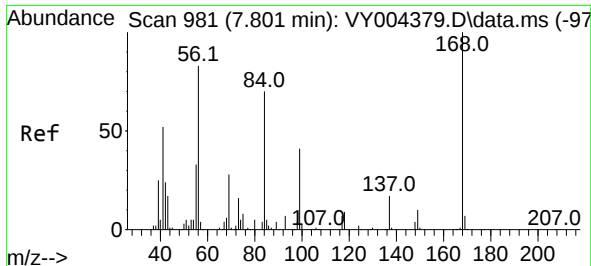
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

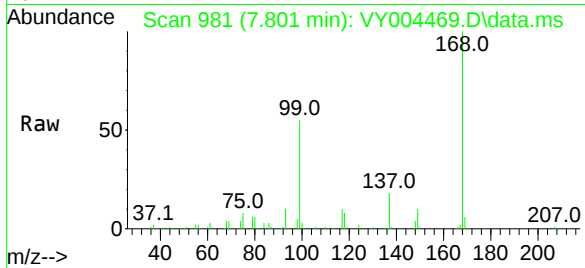
Quant Time: Apr 17 00:54:45 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



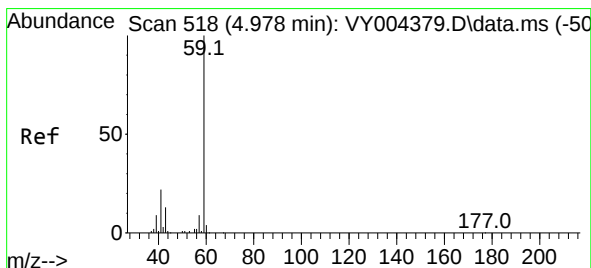
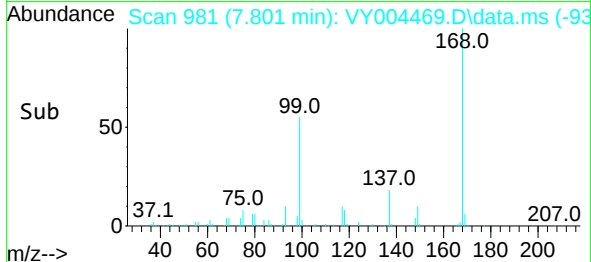
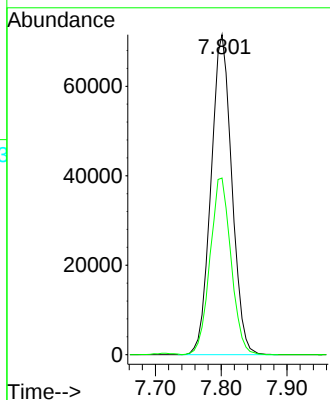


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-9

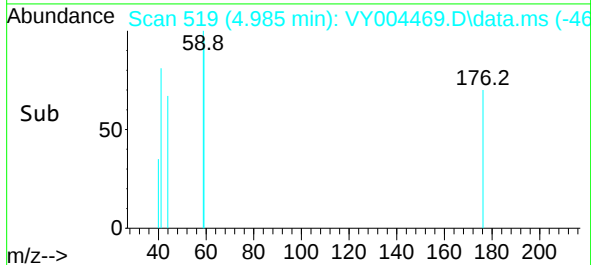
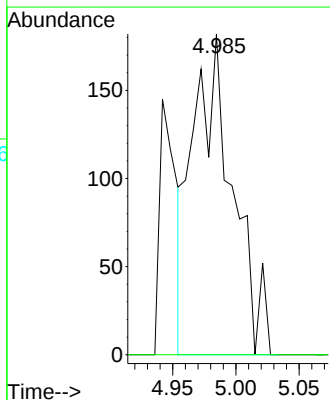
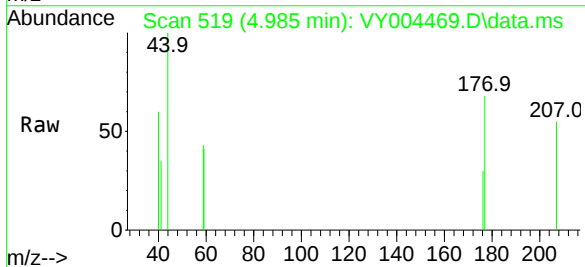


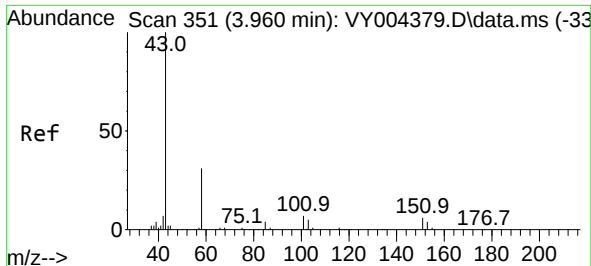
Tgt Ion:168 Resp: 157665  
Ion Ratio Lower Upper  
168 100  
99 55.2 45.5 68.3



#11  
Tert butyl alcohol  
Concen: 2.30 ug/l  
RT: 4.985 min Scan# 519  
Delta R.T. 0.006 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion: 59 Resp: 397  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

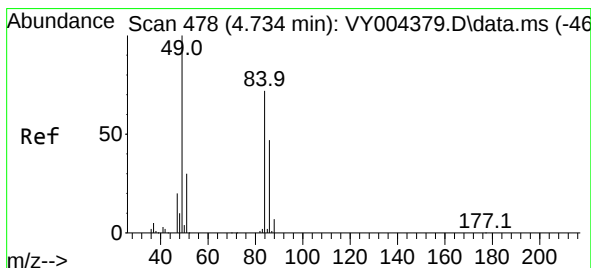
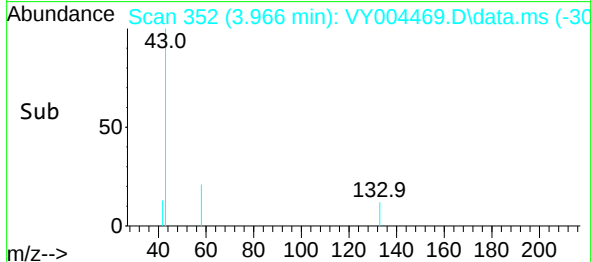
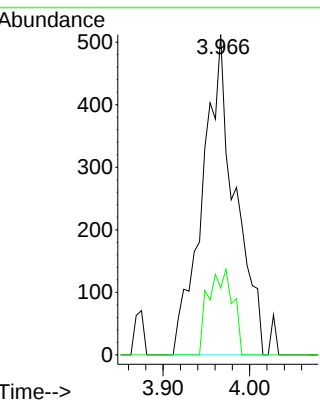
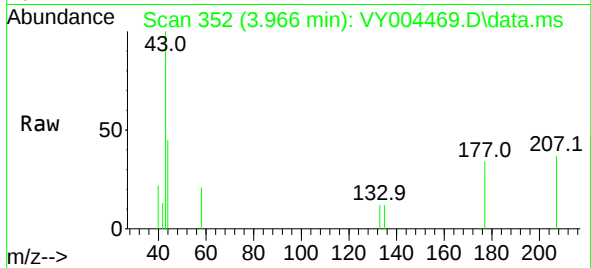




#16  
Acetone  
Concen: Below Cal  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

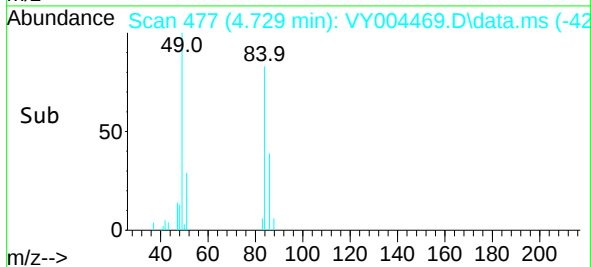
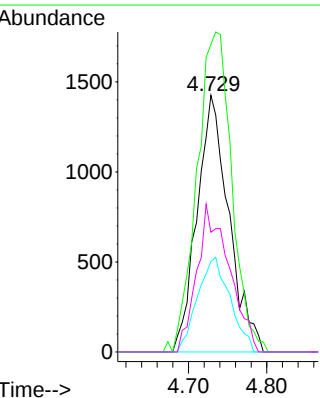
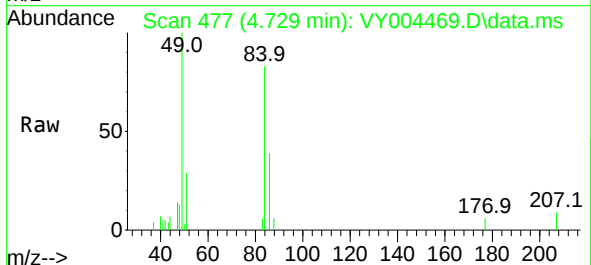
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-9

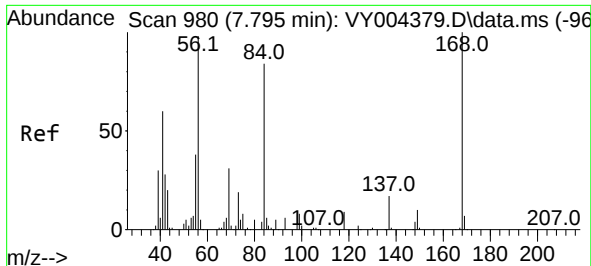
Tgt Ion: 43 Resp: 1333  
Ion Ratio Lower Upper  
43 100  
58 20.9 24.6 37.0#



#20  
Methylene Chloride  
Concen: 2.38 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. -0.006 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion: 84 Resp: 4029  
Ion Ratio Lower Upper  
84 100  
49 119.9 111.2 166.8  
51 35.2 33.4 50.2  
86 46.7 52.7 79.1#

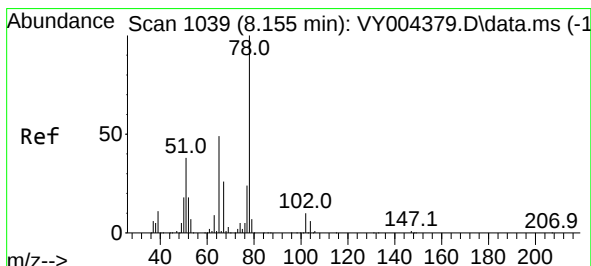
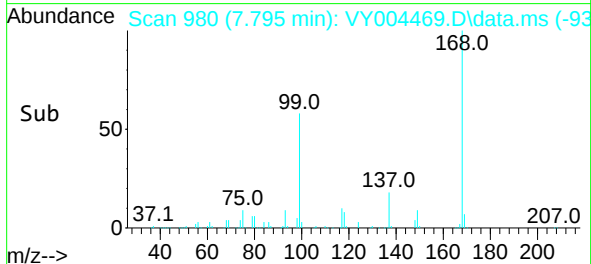
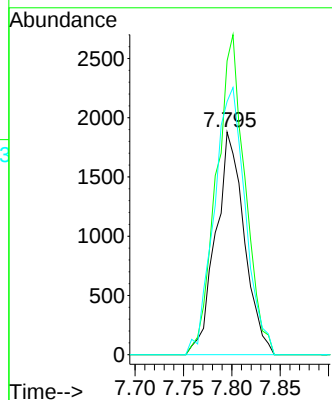
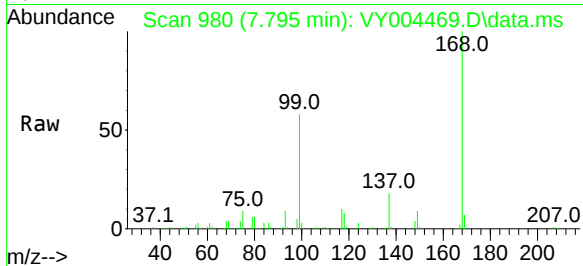




#31  
Cyclohexane  
Concen: 1.20 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

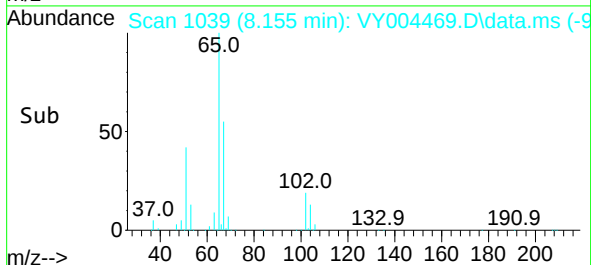
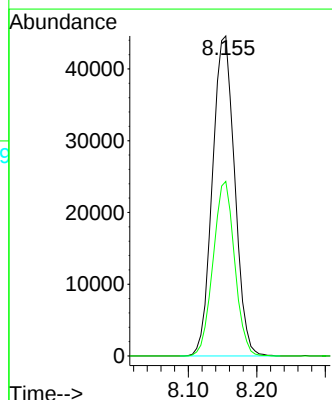
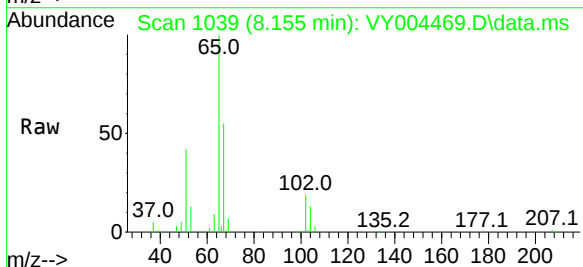
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

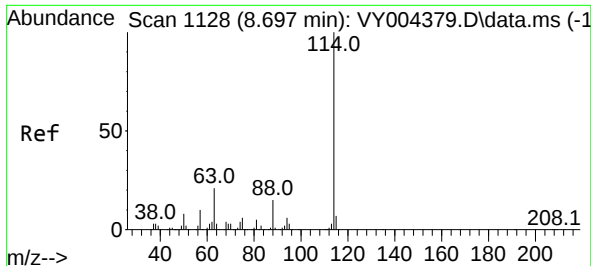
Tgt Ion: 56 Resp: 3855  
Ion Ratio Lower Upper  
56 100  
69 132.0 25.8 38.6#  
84 113.8 68.2 102.4#



#33  
1,2-Dichloroethane-d4  
Concen: 57.22 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion: 65 Resp: 100227  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 106.4

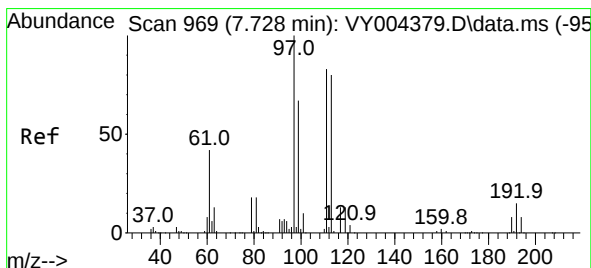
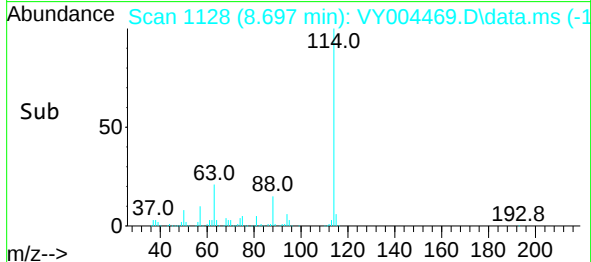
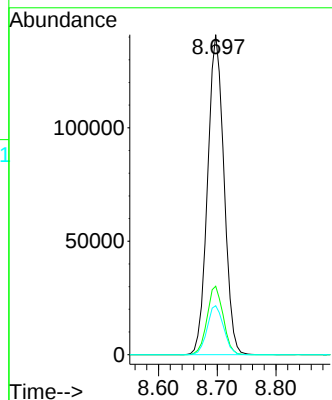
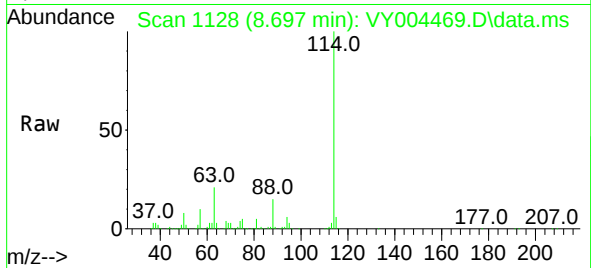




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

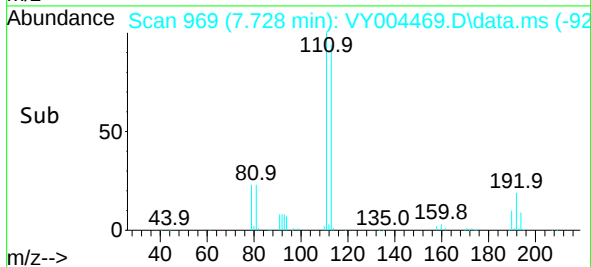
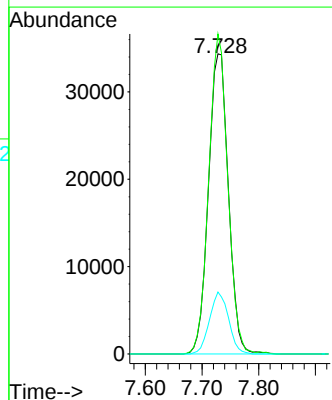
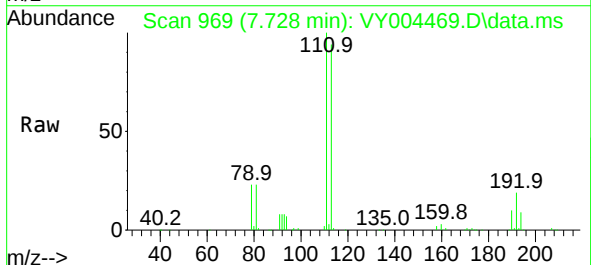
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

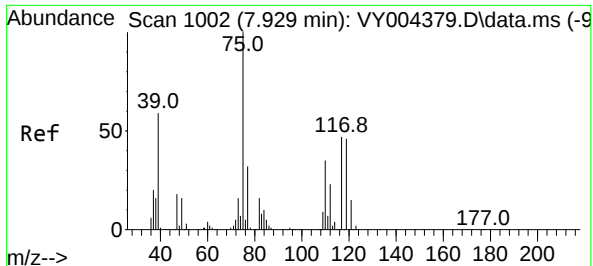
Tgt Ion:114 Resp: 272623  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 42.4  
88 15.3 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 55.67 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion:113 Resp: 84231  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.6 123.8  
192 19.6 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.80 ug/l

RT: 7.795 min Scan# 980

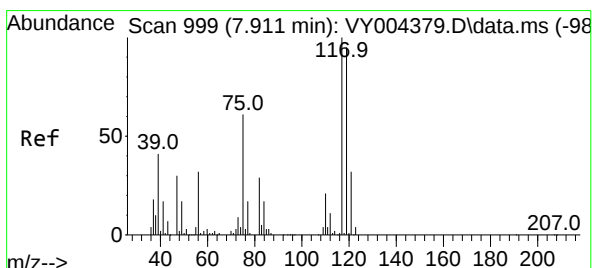
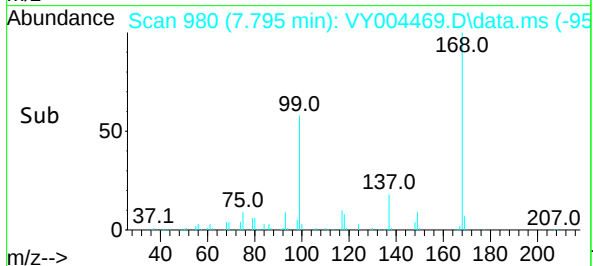
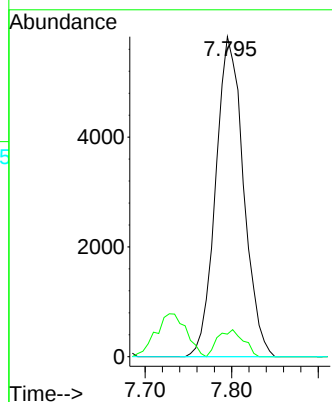
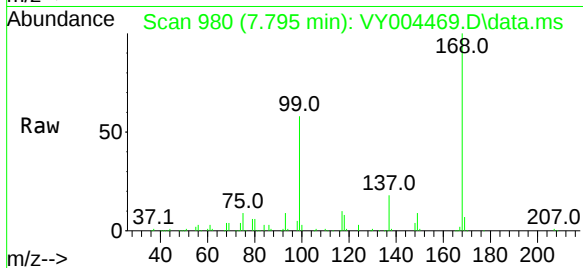
Delta R.T. -0.134 min

Lab File: VY004469.D

Acq: 16 Apr 2021 14:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 13015 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 7.8   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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#38

Carbon Tetrachloride

Concen: 6.63 ug/l

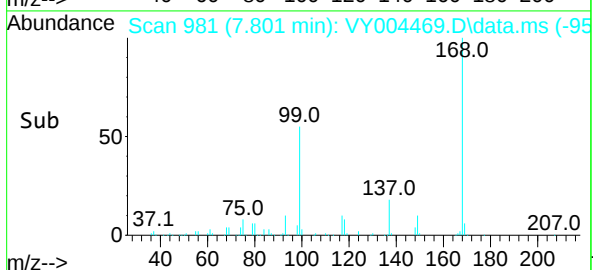
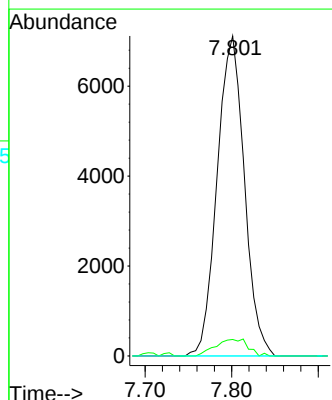
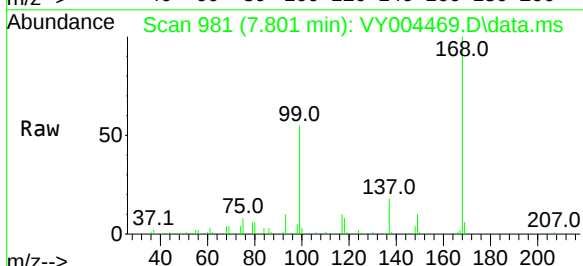
RT: 7.801 min Scan# 981

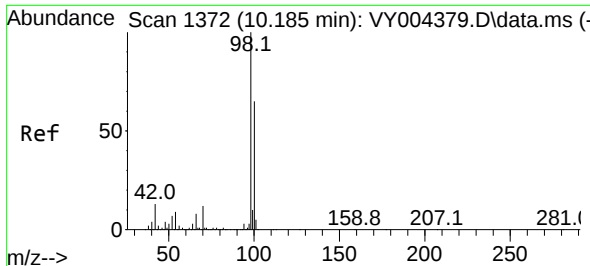
Delta R.T. -0.109 min

Lab File: VY004469.D

Acq: 16 Apr 2021 14:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 15523  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.1   | 75.8  | 113.8# |
| 121      | 0.0   | 25.3  | 37.9#  |

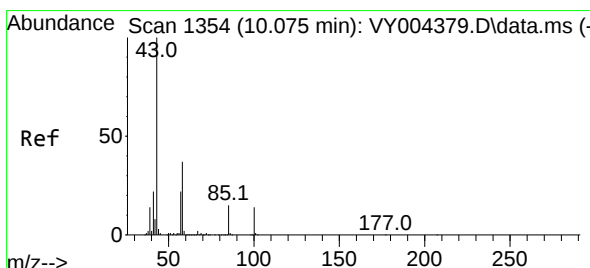
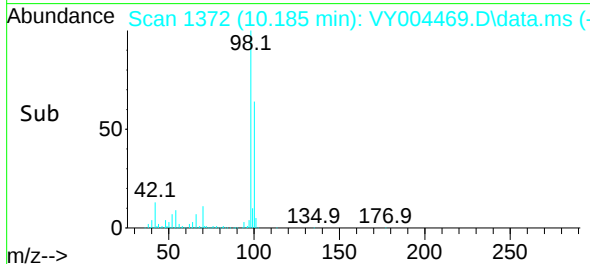
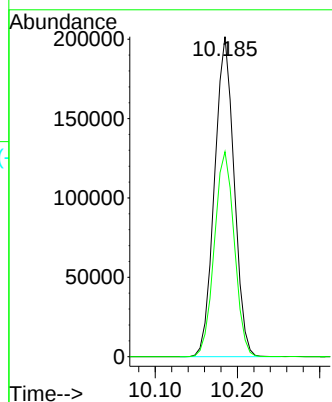
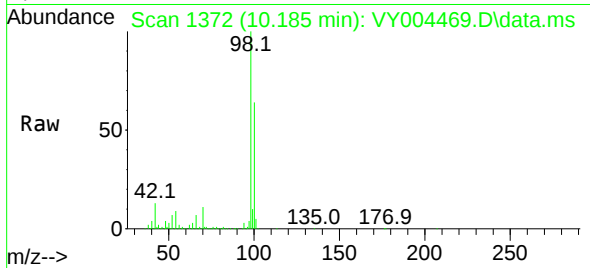




#50  
Toluene-d8  
Concen: 51.77 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

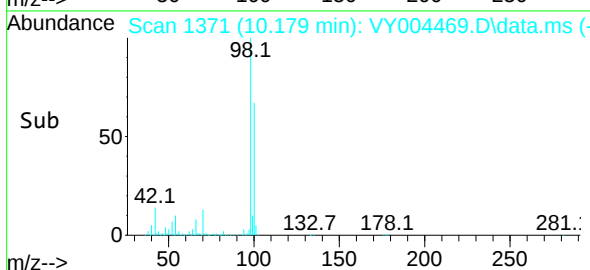
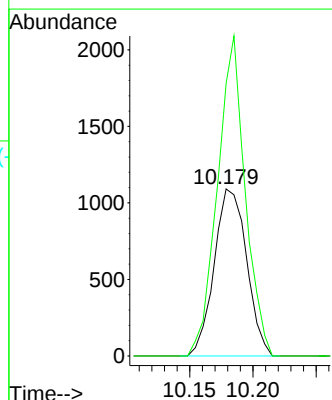
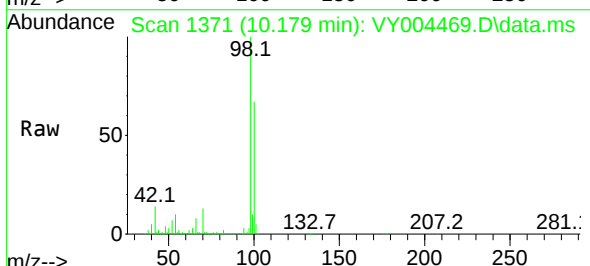
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP-9

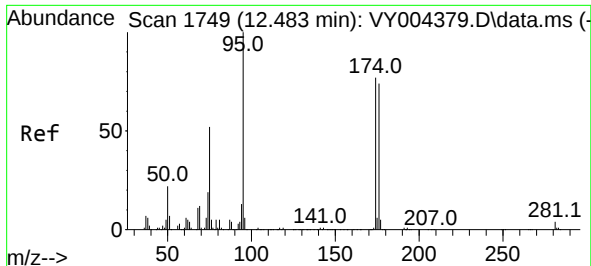
Tgt Ion: 98 Resp: 333178  
Ion Ratio Lower Upper  
98 100  
100 65.3 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.14 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion: 43 Resp: 1943  
Ion Ratio Lower Upper  
43 100  
58 163.8 29.2 43.8#

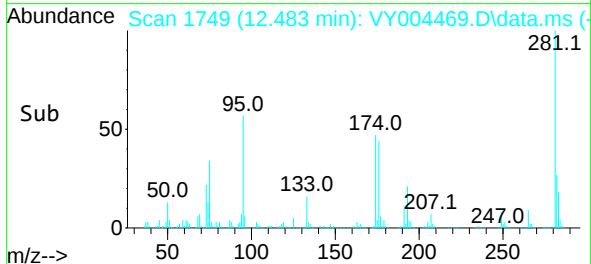
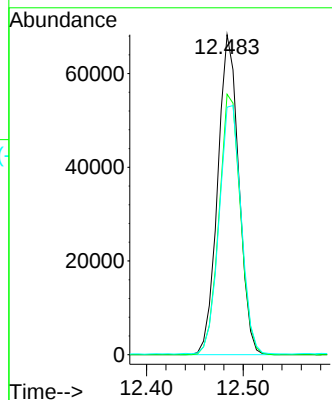
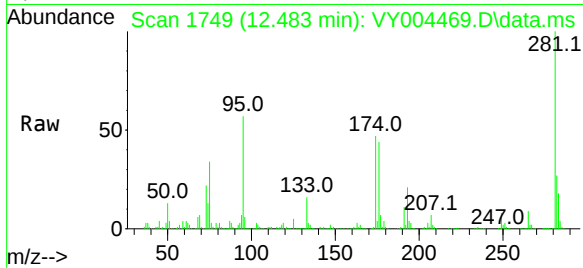




#62  
4-Bromofluorobenzene  
Concen: 47.24 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

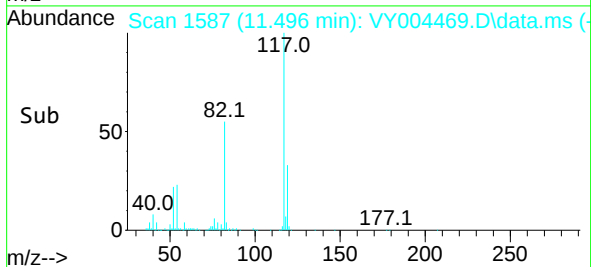
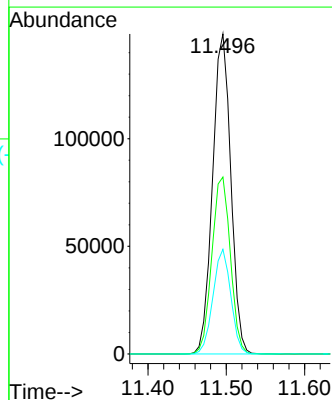
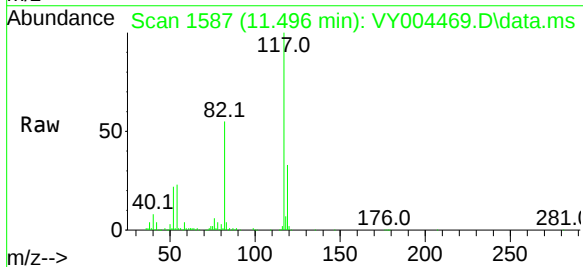
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

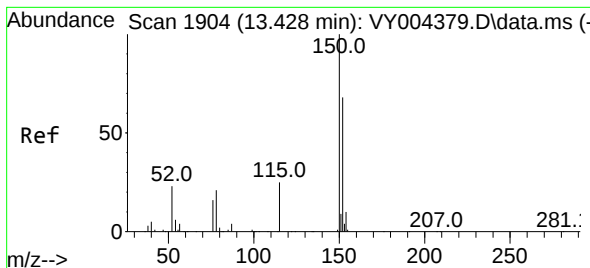
Tgt Ion: 95 Resp: 103169  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 162.4  
176 81.4 0.0 156.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion: 117 Resp: 240306  
Ion Ratio Lower Upper  
117 100  
82 55.3 44.9 67.3  
119 32.7 25.4 38.0

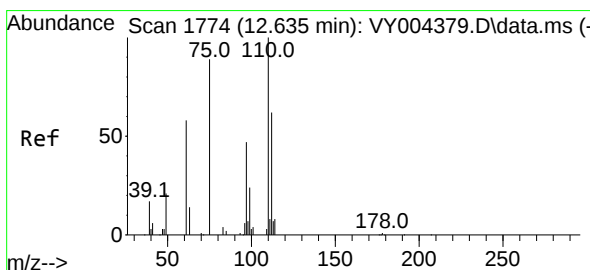
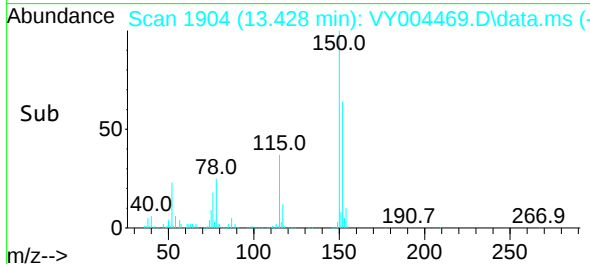
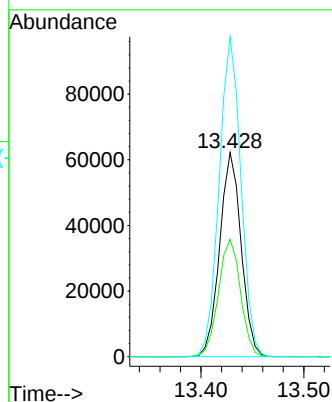
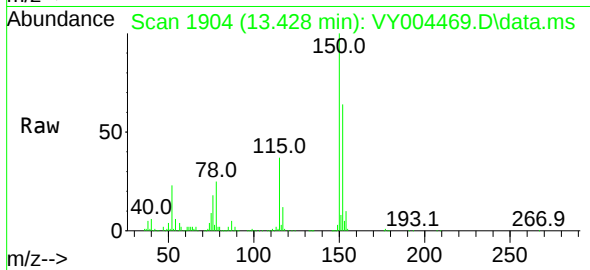




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY004469.D  
 Acq: 16 Apr 2021 14:59

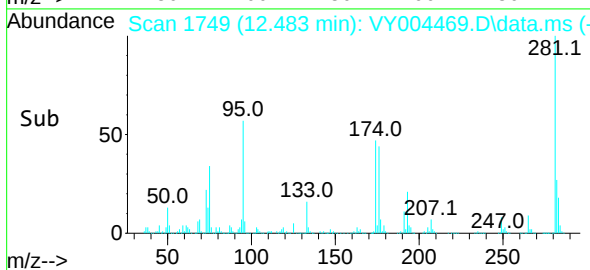
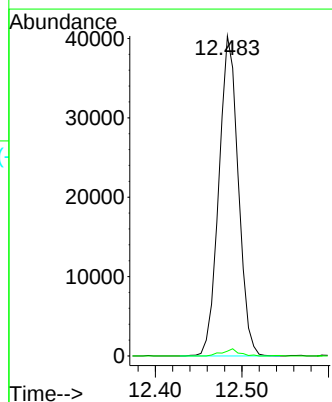
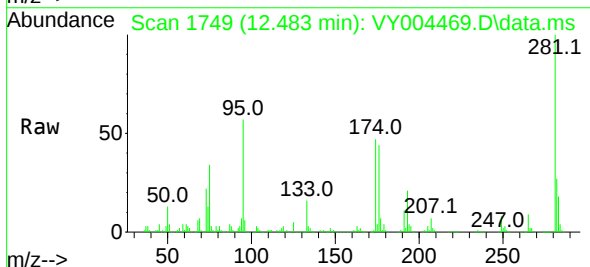
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-9

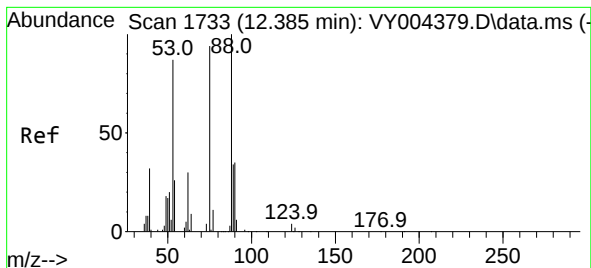
Tgt Ion:152 Resp: 90126  
 Ion Ratio Lower Upper  
 152 100  
 115 59.3 29.6 88.8  
 150 158.8 0.0 348.4



#76  
 1,2,3-Trichloropropane  
 Concen: 64.90 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY004469.D  
 Acq: 16 Apr 2021 14:59

Tgt Ion: 75 Resp: 62775  
 Ion Ratio Lower Upper  
 75 100  
 77 1.9 0.0 0.0#

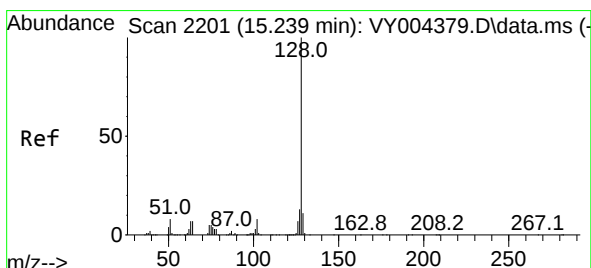
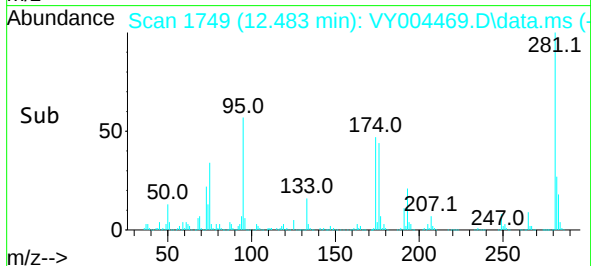
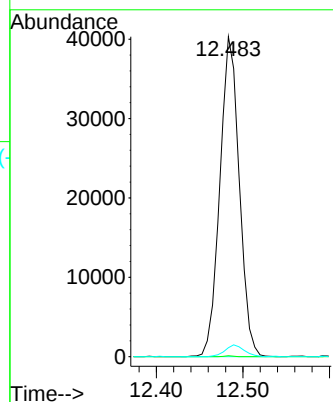
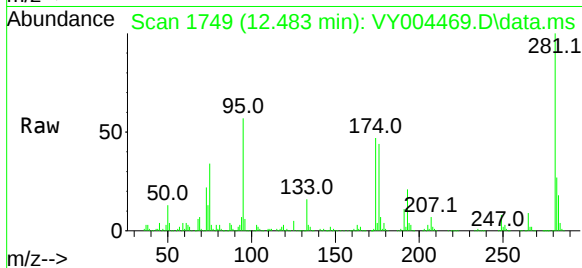




#81  
trans-1,4-Dichloro-2-butene  
Concen: 116.09 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

Tgt Ion: 75 Resp: 62775  
Ion Ratio Lower Upper  
75 100  
53 0.1 75.0 112.6#  
89 3.6 36.1 54.1#



#95  
Naphthalene  
Concen: 1.42 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY004469.D  
Acq: 16 Apr 2021 14:59

Tgt Ion:128 Resp: 5266  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 10.6 8.8 13.2

