

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070721\  
 Data File : VY005379.D  
 Acq On : 07 Jul 2021 20:46  
 Operator : SY/MD  
 Sample : M2963-01  
 Misc : 5.05G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 08 02:08:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

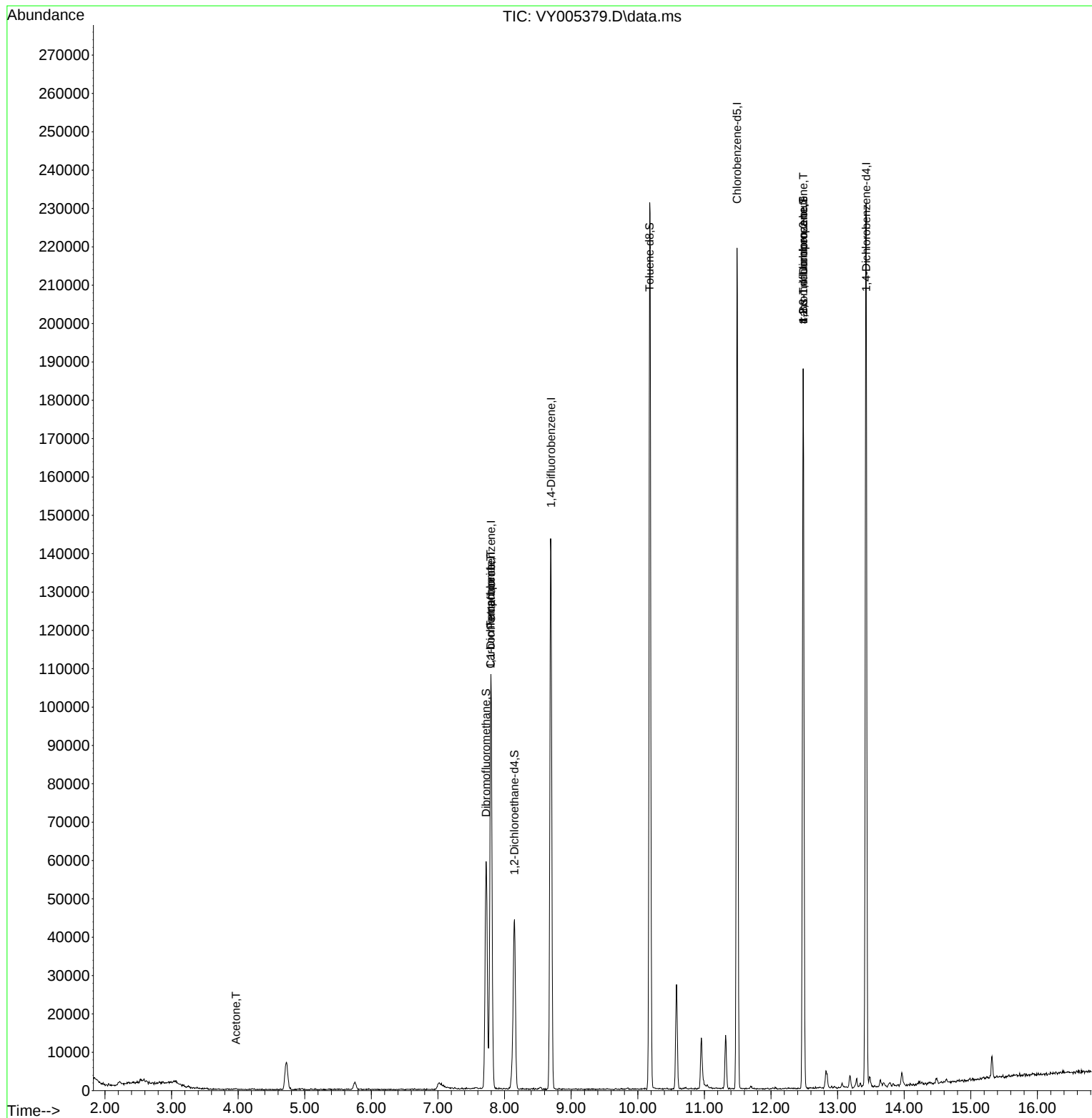
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 102289   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 145737   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 142134   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 72474    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 33434    | 39.387    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 78.780%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 41515    | 48.302    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 96.600%  |
| 50) Toluene-d8                | 10.179 | 98    | 168913   | 49.143    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 98.280%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 52367    | 45.721    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 91.440%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 164      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.967  | 43    | 379      | 1.933     | ug/l # | 62       |
| 20) Methylene Chloride        | 4.723  | 84    | 7045     | Below Cal | #      | 75       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 4909     | 3.825     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 7904     | 5.884     | ug/l # | 14       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 22551    | 35.084    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 22551    | 65.460    | ug/l # | 17       |
| -----                         |        |       |          |           |        |          |

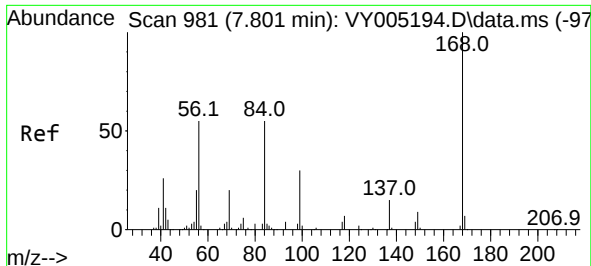
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jul 08 02:08:23 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 07:57:52 2021  
Response via : Initial Calibration

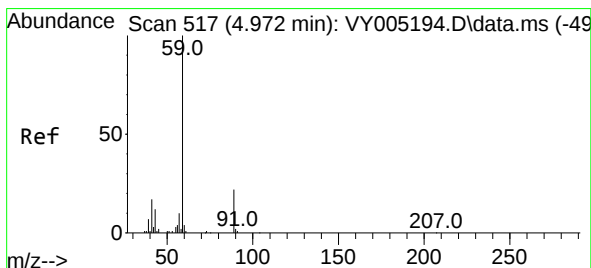
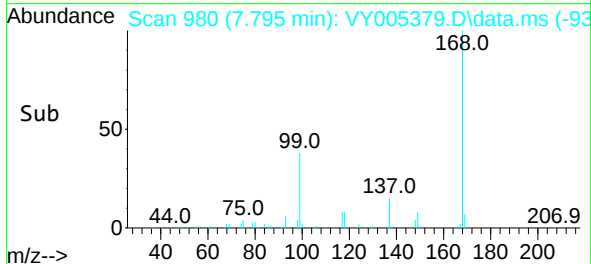
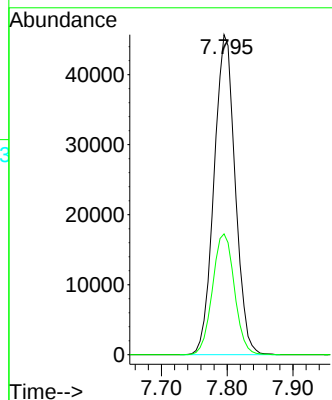
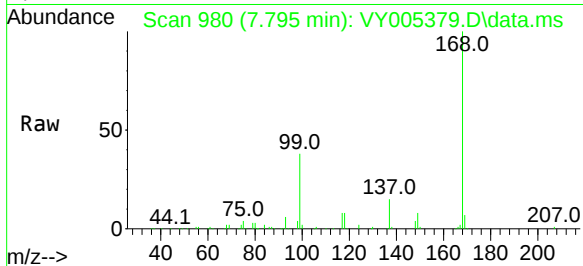




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

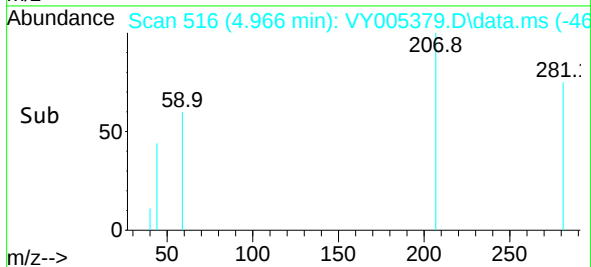
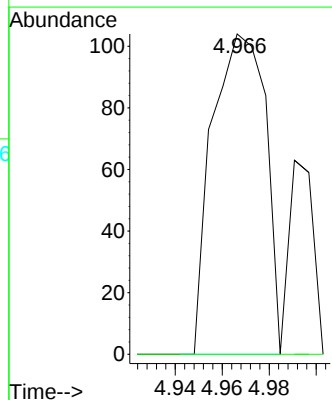
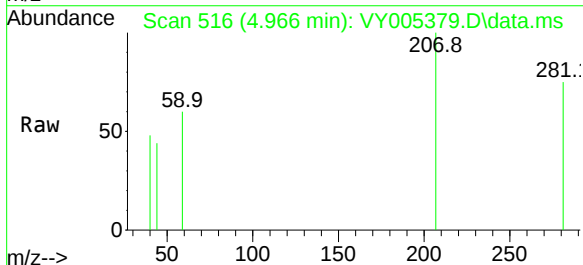
Instrument :  
MSVOA\_Y  
ClientSampleId :

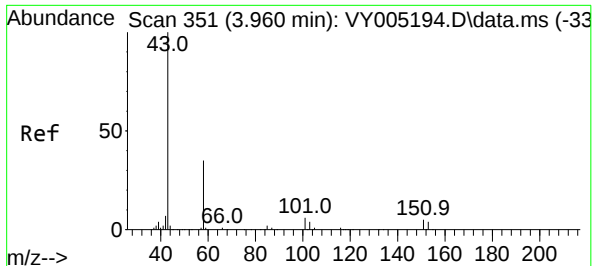
Tgt Ion:168 Resp: 102289  
Ion Ratio Lower Upper  
168 100  
99 37.7 36.2 54.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.966 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

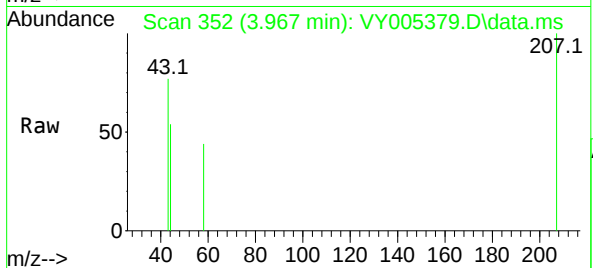
Tgt Ion: 59 Resp: 164  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.5 9.7#



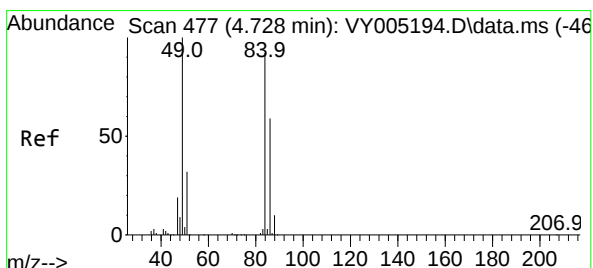
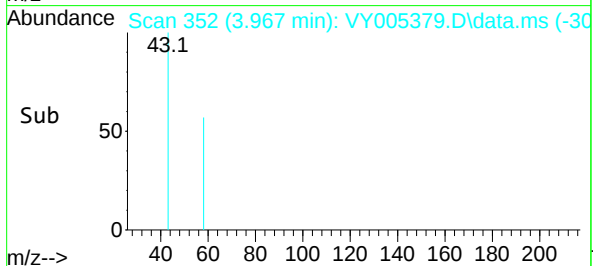
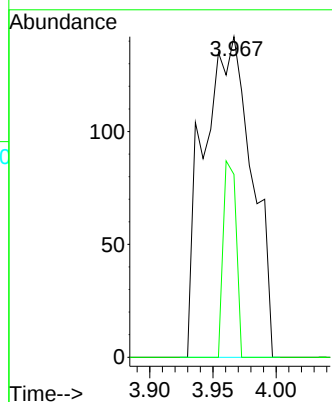


#16  
Acetone  
Concen: 1.933 ug/l  
RT: 3.967 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Instrument :  
MSVOA\_Y  
ClientSampled :

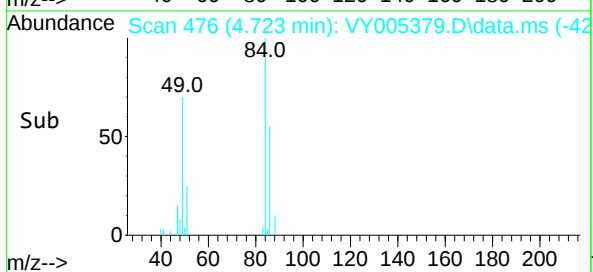
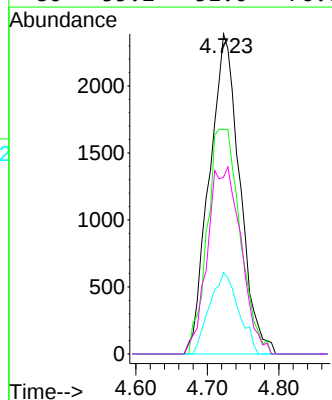
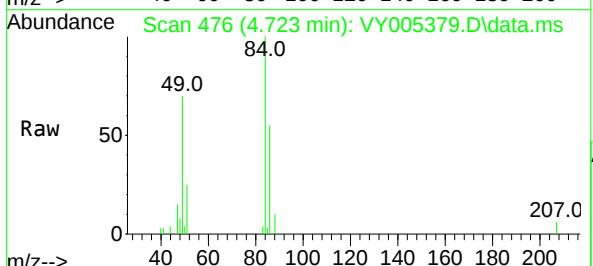


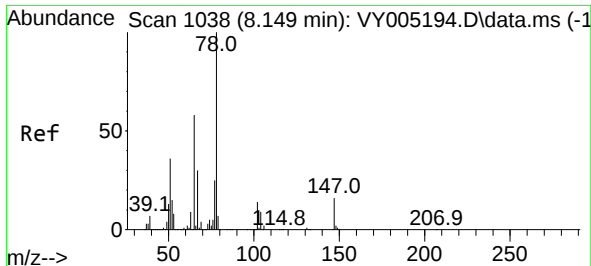
Tgt Ion: 43 Resp: 379  
Ion Ratio Lower Upper  
43 100  
58 57.0 28.2 42.2#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.723 min Scan# 476  
Delta R.T. -0.005 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Tgt Ion: 84 Resp: 7045  
Ion Ratio Lower Upper  
84 100  
49 70.1 86.9 130.3#  
51 25.4 27.4 41.2#  
86 55.2 51.0 76.6

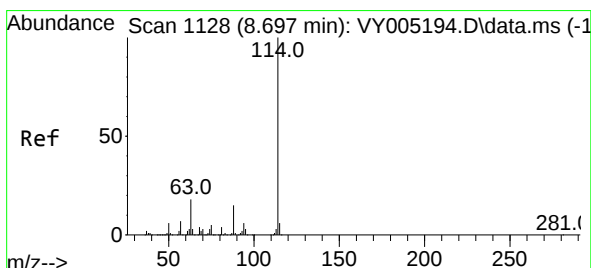
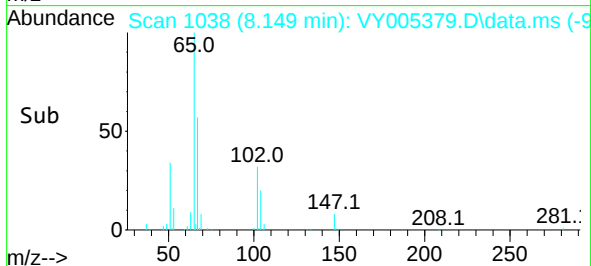
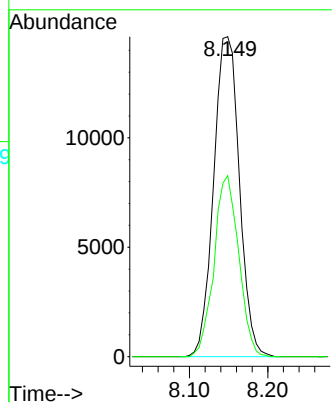
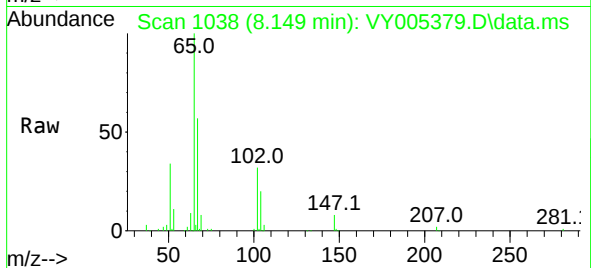




#33  
1,2-Dichloroethane-d4  
Concen: 39.387 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

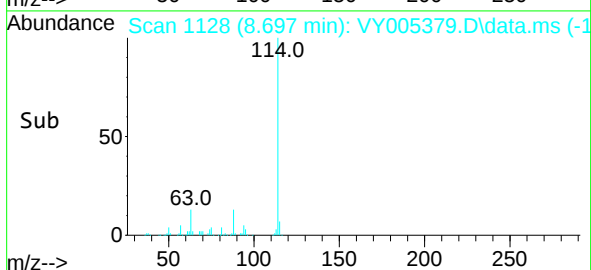
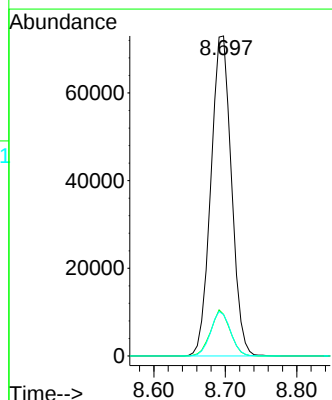
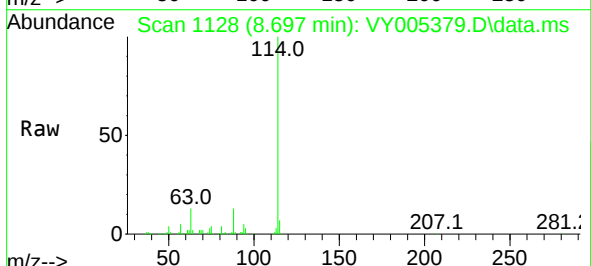
Instrument :  
MSVOA\_Y  
ClientSampled :

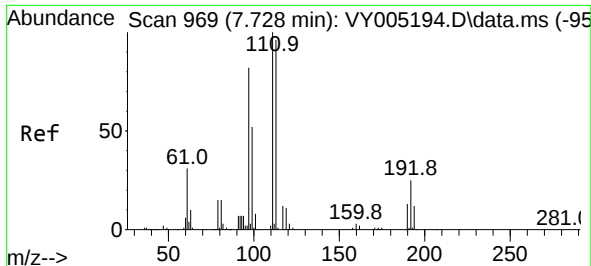
Tgt Ion: 65 Resp: 33434  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 110.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Tgt Ion:114 Resp: 145737  
Ion Ratio Lower Upper  
114 100  
63 13.0 0.0 35.2  
88 12.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.302 ug/l

RT: 7.722 min Scan# 968

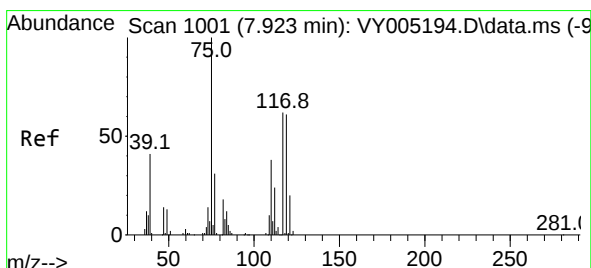
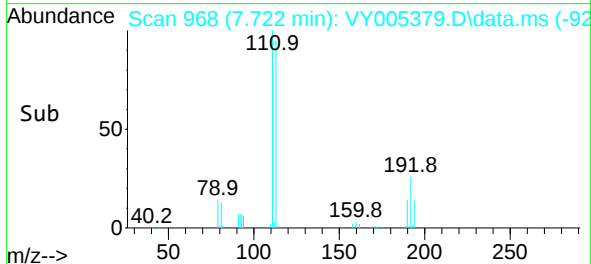
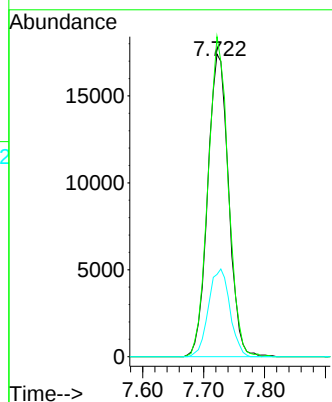
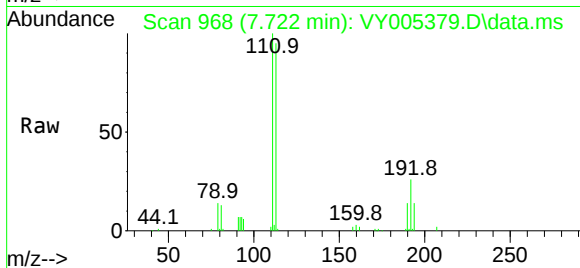
Delta R.T. -0.006 min

Lab File: VY005379.D

Acq: 07 Jul 2021 20:46

Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 41515 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.6  | 124.0 |
| 192      | 29.6  | 20.2  | 30.2  |



#36

1,1-Dichloropropene

Concen: 3.825 ug/l

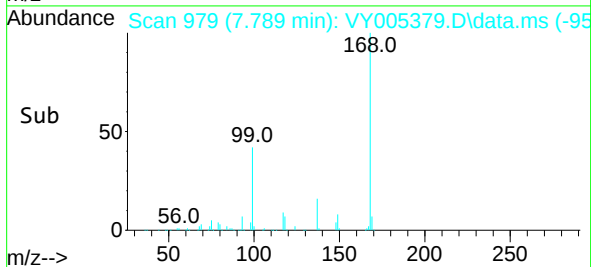
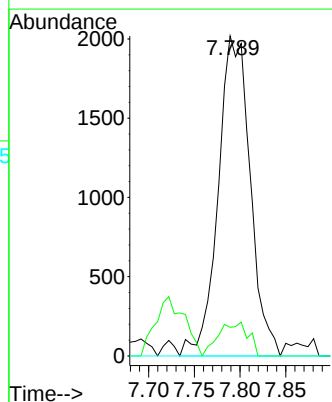
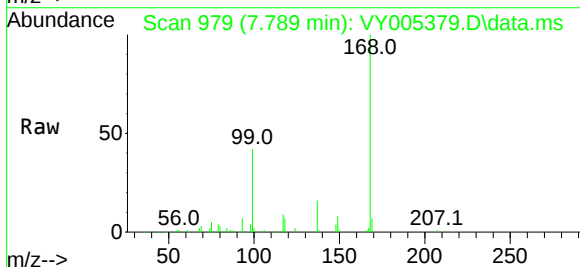
RT: 7.789 min Scan# 979

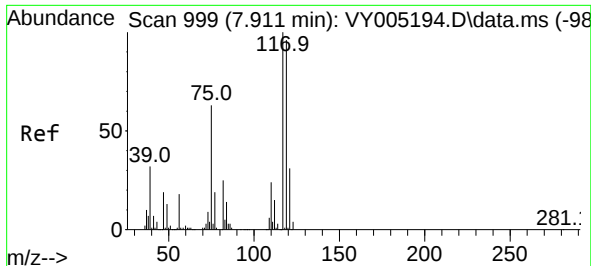
Delta R.T. -0.134 min

Lab File: VY005379.D

Acq: 07 Jul 2021 20:46

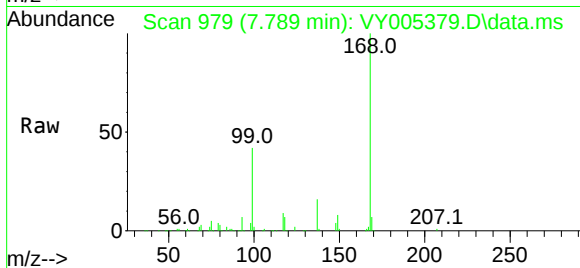
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 4909  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.8   | 19.1  | 57.5# |
| 77       | 0.0   | 25.2  | 37.8# |



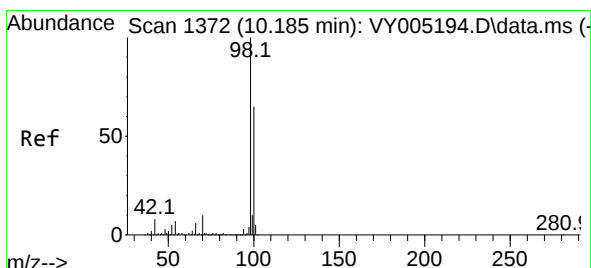
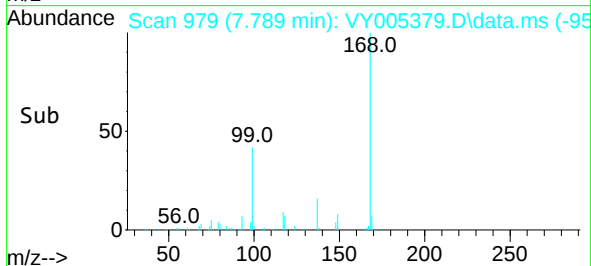
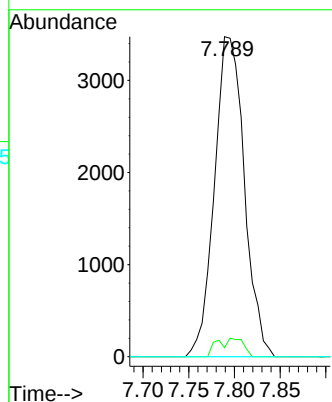


#38  
Carbon Tetrachloride  
Concen: 5.884 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Instrument :  
MSVOA\_Y  
ClientSampleId :

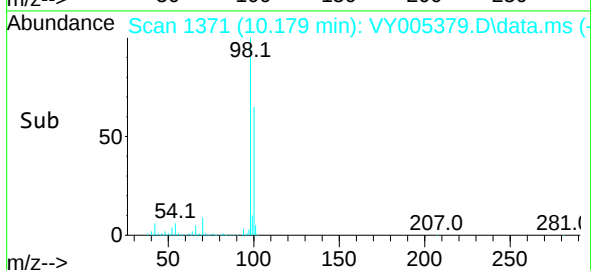
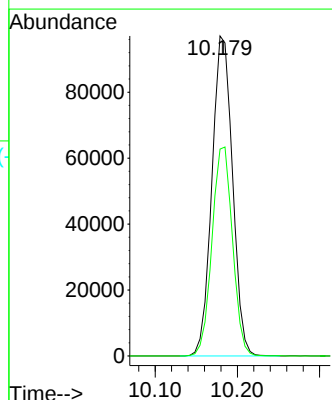
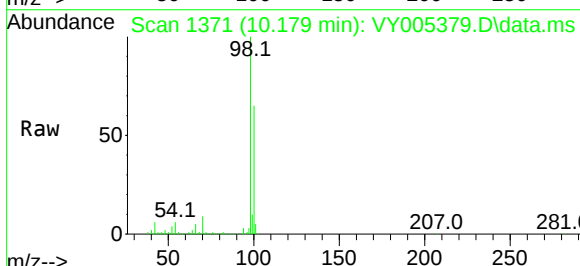


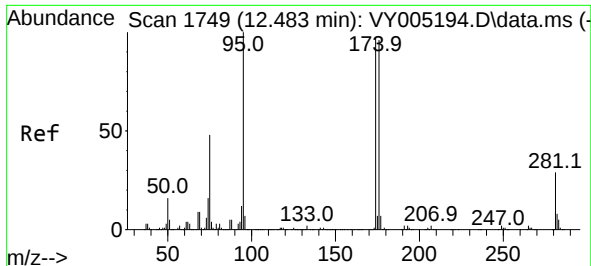
Tgt Ion:117 Resp: 7904  
Ion Ratio Lower Upper  
117 100  
119 2.8 76.2 114.4#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 49.143 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Tgt Ion: 98 Resp: 168913  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.9 77.9

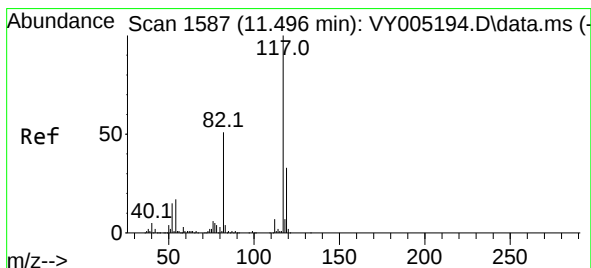
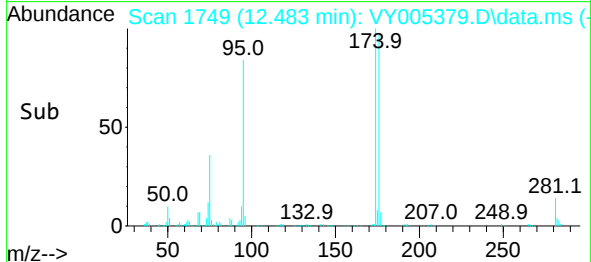
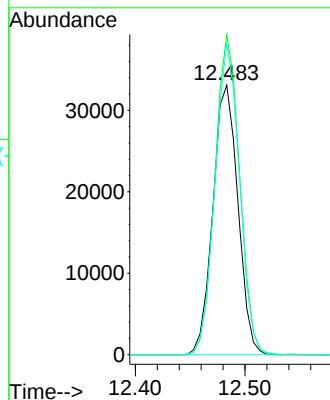
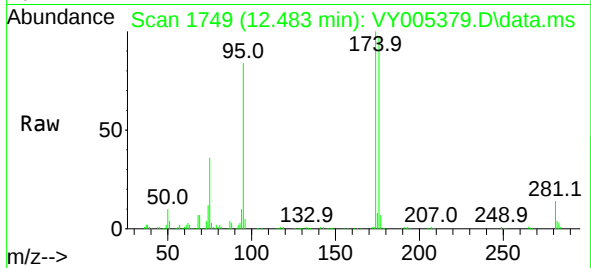




#62  
4-Bromofluorobenzene  
Concen: 45.721 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

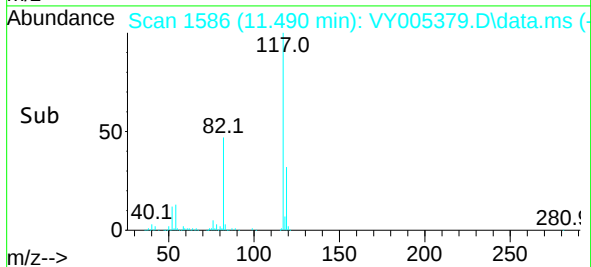
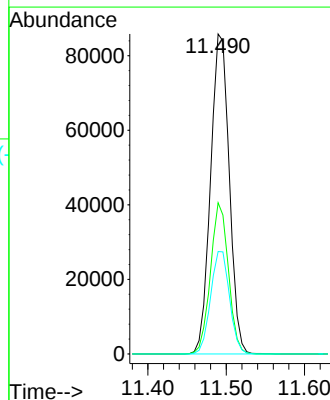
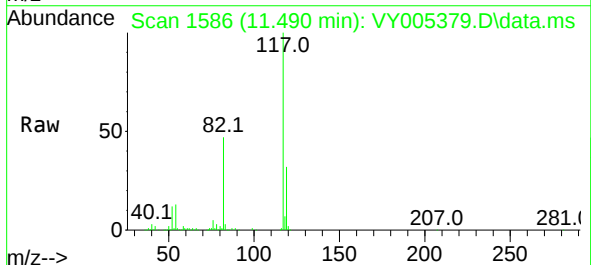
Instrument :  
MSVOA\_Y  
ClientSampleId :

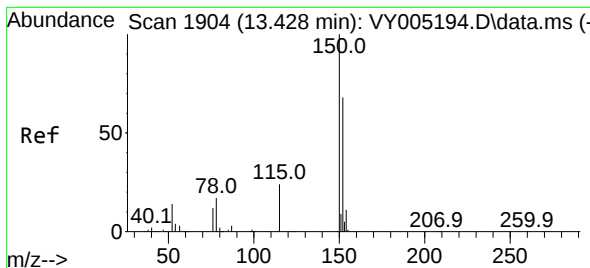
Tgt Ion: 95 Resp: 52367  
Ion Ratio Lower Upper  
95 100  
174 117.2 0.0 201.6  
176 113.3 0.0 197.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

Tgt Ion: 117 Resp: 142134  
Ion Ratio Lower Upper  
117 100  
82 47.2 40.6 60.8  
119 32.0 26.1 39.1

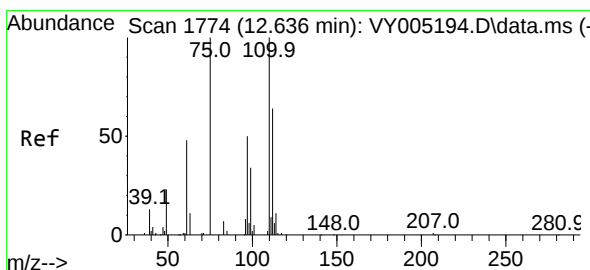
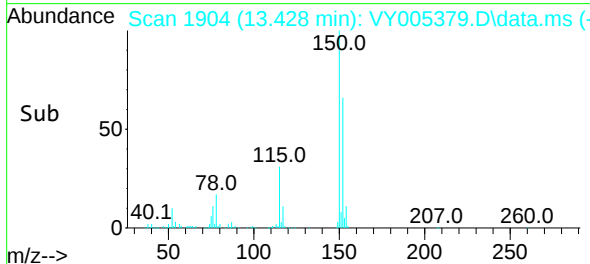
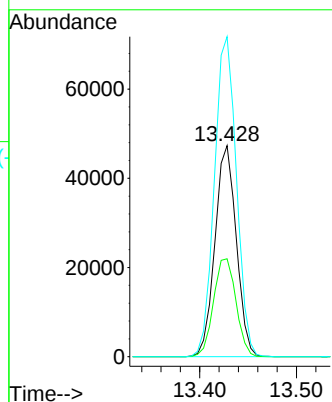
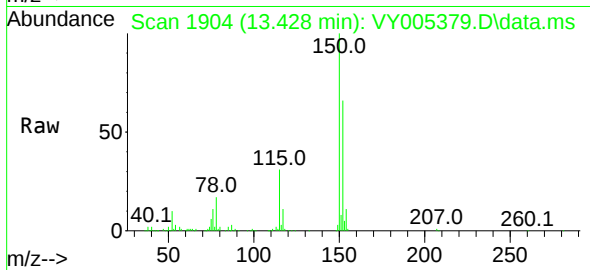




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

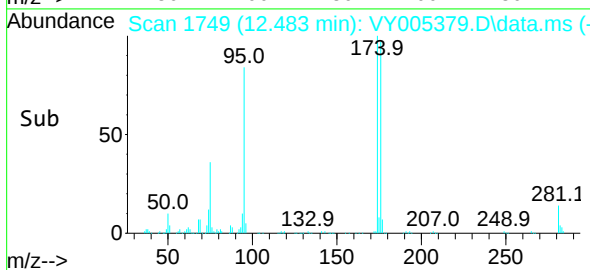
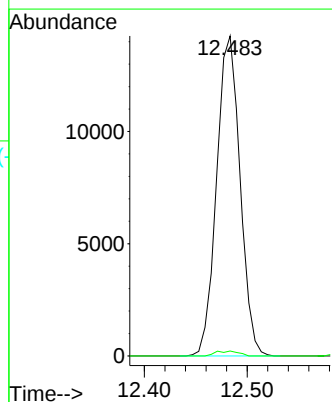
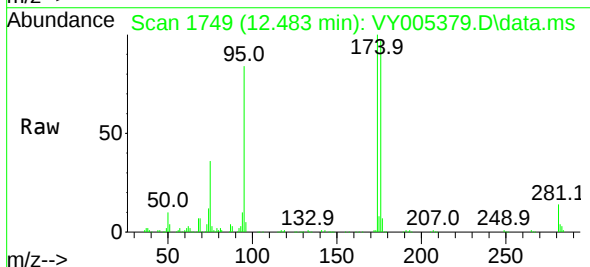
Instrument :  
MSVOA\_Y  
ClientSampled :

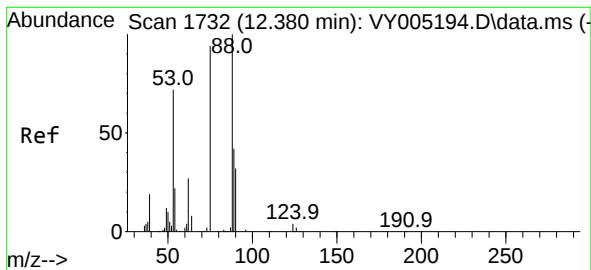
Tgt Ion:152 Resp: 72474  
Ion Ratio Lower Upper  
152 100  
115 48.9 26.3 78.8  
150 156.3 0.0 344.2



#76  
1,2,3-Trichloropropane  
Concen: 35.084 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY005379.D  
Acq: 07 Jul 2021 20:46

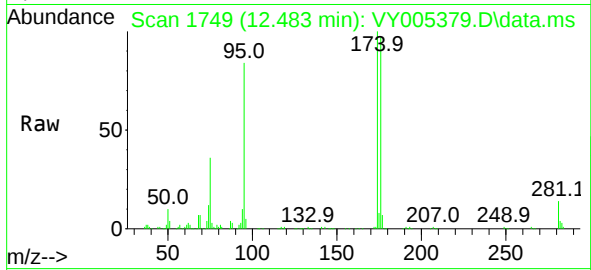
Tgt Ion: 75 Resp: 22551  
Ion Ratio Lower Upper  
75 100  
77 1.5 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 65.460 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY005379.D  
 Acq: 07 Jul 2021 20:46

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 63.0  | 94.4# |
| 89      | 0.0   | 38.0  | 57.0# |

