

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
 Data File : VY005777.D  
 Acq On : 19 Aug 2021 18:17  
 Operator : SY/MD  
 Sample : M3418-16  
 Misc : 6.53G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SWCS-12-0205

Quant Time: Aug 20 06:58:32 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

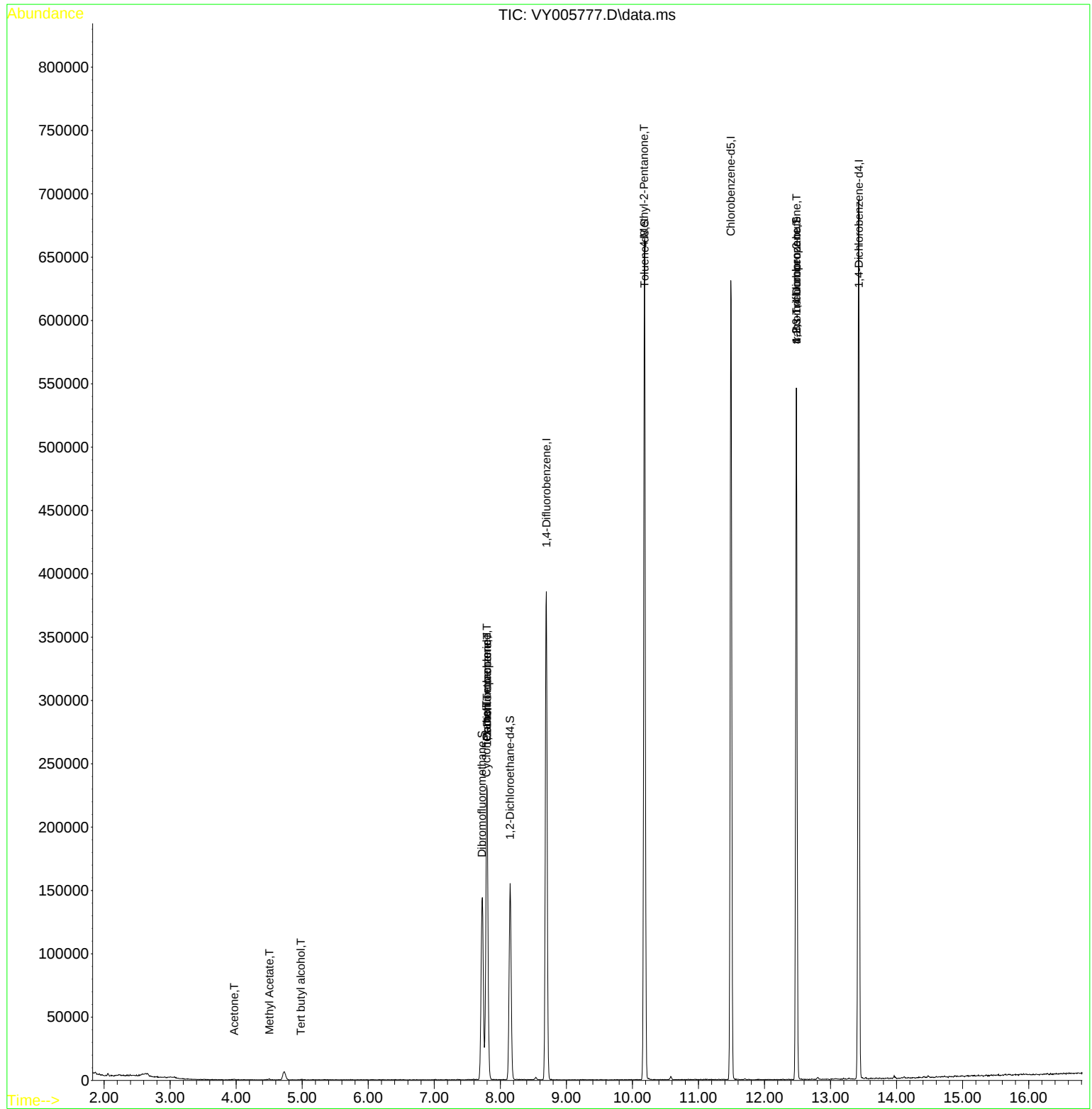
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.795          | 168  | 187020              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697          | 114  | 323643              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489         | 117  | 340770              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428         | 152  | 181147              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.149          | 65   | 123495              | 65.234    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 130.460% |           |        |          |
| 35) Dibromofluoromethane      | 7.722          | 113  | 98489               | 54.354    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 108.700% |           |        |          |
| 50) Toluene-d8                | 10.185         | 98   | 421725              | 55.494    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 110.980% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.483         | 95   | 150863              | 59.949    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 119.900% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.978          | 59   | 469                 | 2.506     | ug/l # | 73       |
| 16) Acetone                   | 3.972          | 43   | 790                 | 1.655     | ug/l # | 78       |
| 18) Methyl Acetate            | 4.503          | 43   | 1338                | 1.072     | ug/l # | 77       |
| 20) Methylene Chloride        | 4.728          | 84   | 4964                | Below Cal |        | 91       |
| 31) Cyclohexane               | 7.789          | 56   | 3896                | 1.200     | ug/l # | 31       |
| 36) 1,1-Dichloropropene       | 7.801          | 75   | 13457               | 4.433     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.795          | 117  | 17196               | 5.212     | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 10.179         | 43   | 1871                | 1.020     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483         | 75   | 82241               | 43.810    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483         | 75   | 82241               | 88.316    | ug/l # | 11       |
| -----                         |                |      |                     |           |        |          |

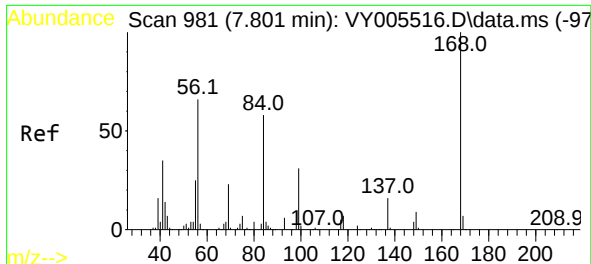
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081921\  
Data File : VY005777.D  
Acq On : 19 Aug 2021 18:17  
Operator : SY/MD  
Sample : M3418-16  
Misc : 6.53G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

Quant Time: Aug 20 06:58:32 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

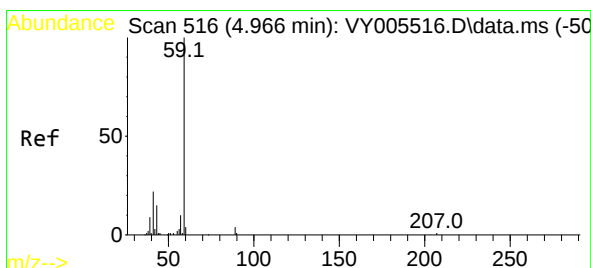
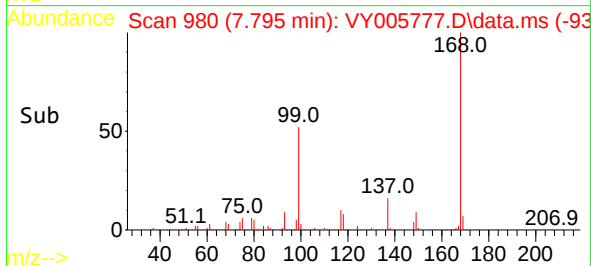
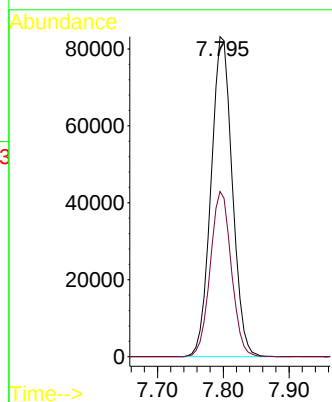
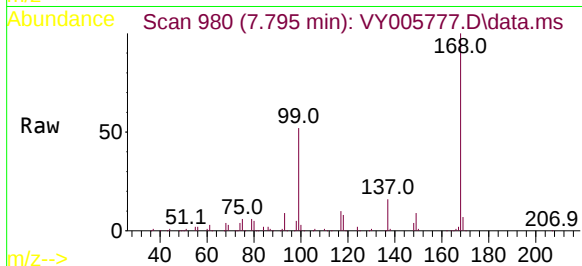




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

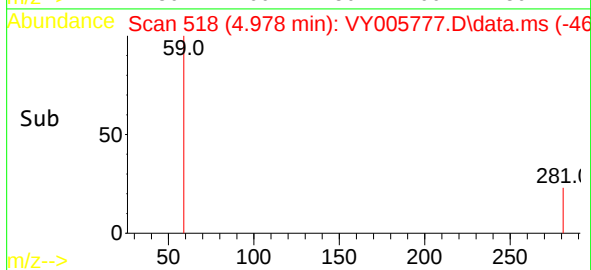
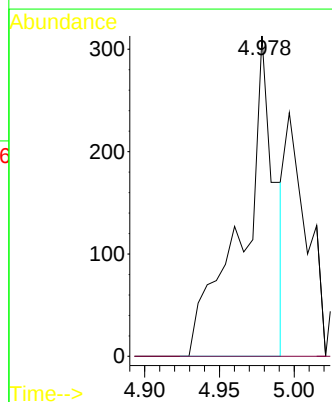
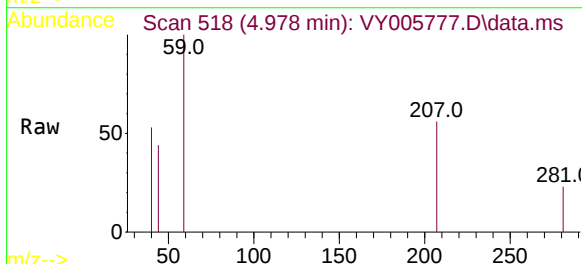
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

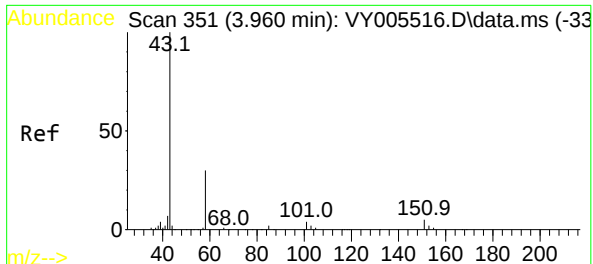
Tgt Ion:168 Resp: 187020  
Ion Ratio Lower Upper  
168 100  
99 51.6 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 2.506 ug/l  
RT: 4.978 min Scan# 518  
Delta R.T. 0.012 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 59 Resp: 469  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

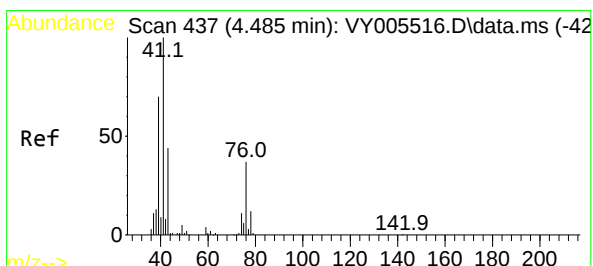
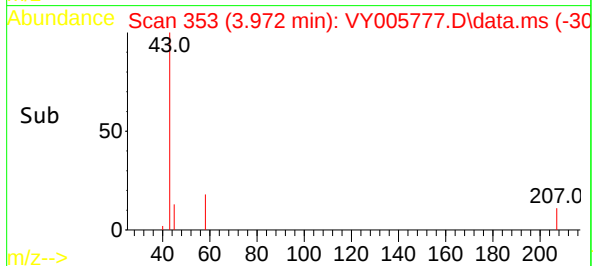
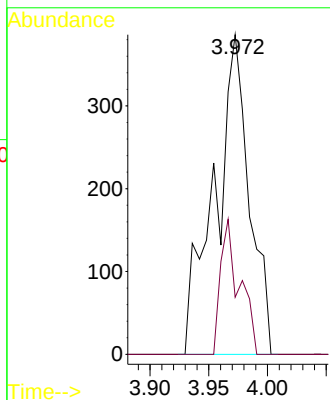
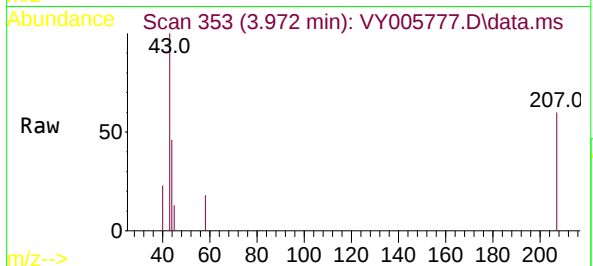




#16  
Acetone  
Concen: 1.655 ug/l  
RT: 3.972 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

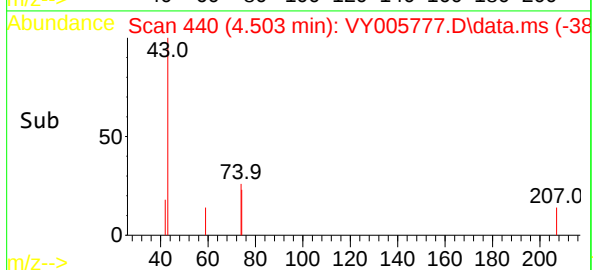
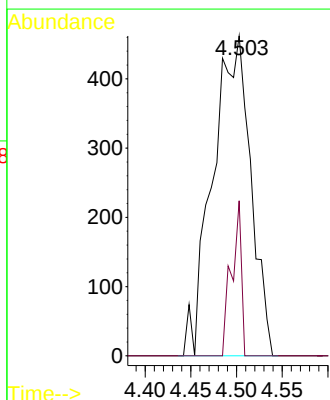
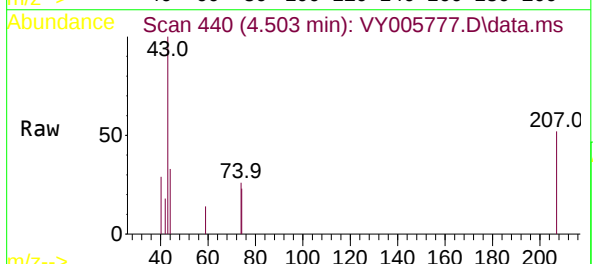
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

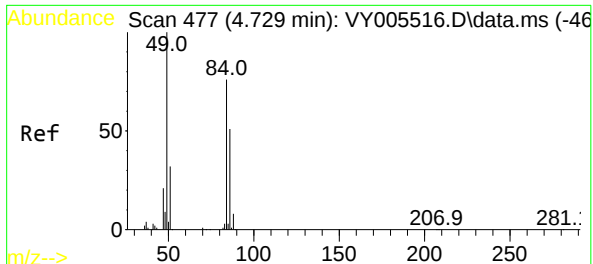
Tgt Ion: 43 Resp: 790  
Ion Ratio Lower Upper  
43 100  
58 17.9 23.8 35.6#



#18  
Methyl Acetate  
Concen: 1.072 ug/l  
RT: 4.503 min Scan# 440  
Delta R.T. 0.018 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 43 Resp: 1338  
Ion Ratio Lower Upper  
43 100  
74 12.6 19.0 28.6#

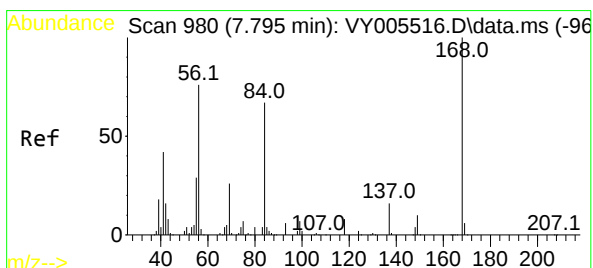
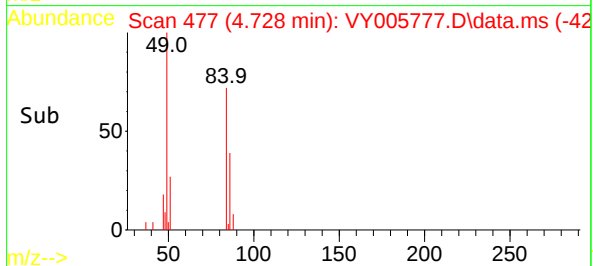
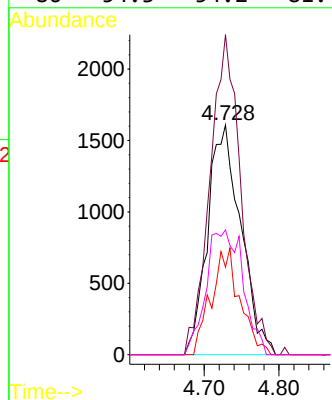
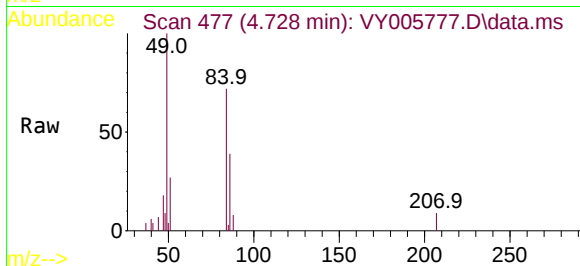




#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.728 min Scan# 477  
Delta R.T. -0.001 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

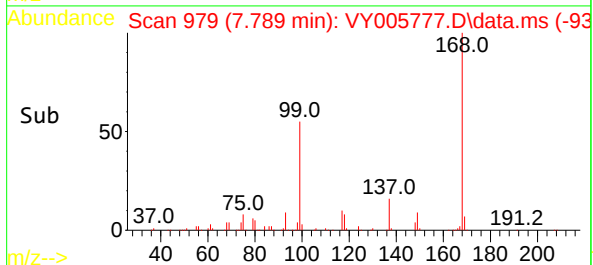
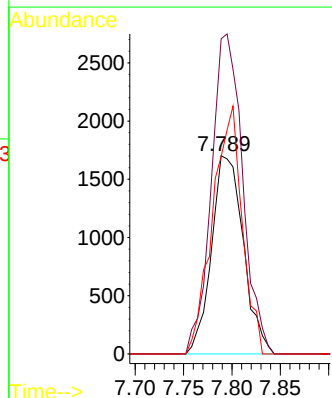
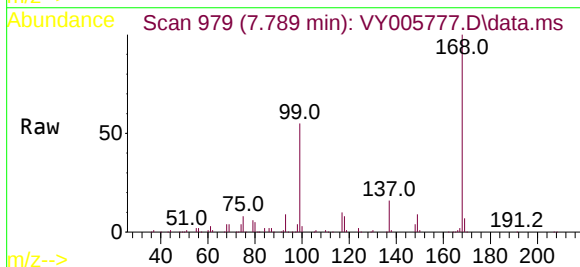
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

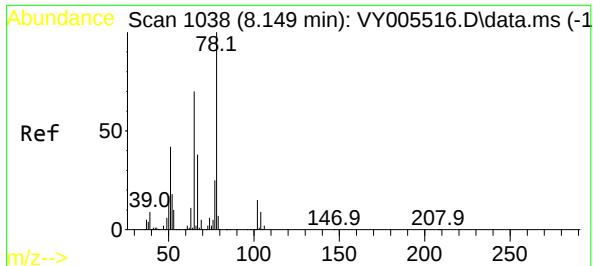
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 4964  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 139.3 | 105.8 | 158.6 |
| 51       | 38.1  | 33.4  | 50.2  |
| 86       | 54.3  | 54.2  | 81.4  |



#31  
Cyclohexane  
Concen: 1.200 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.006 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 3896  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 159.0 | 27.7  | 41.5# |
| 84       | 99.6  | 70.9  | 106.3 |

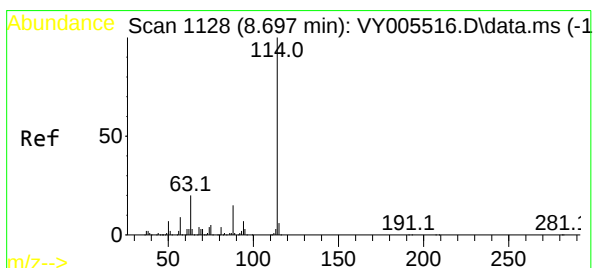
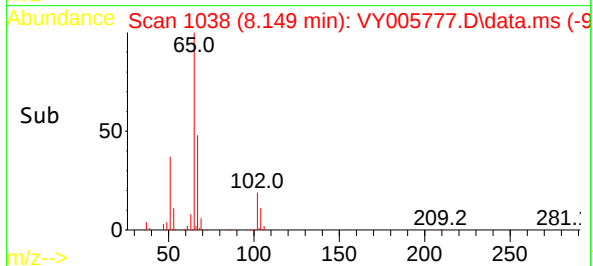
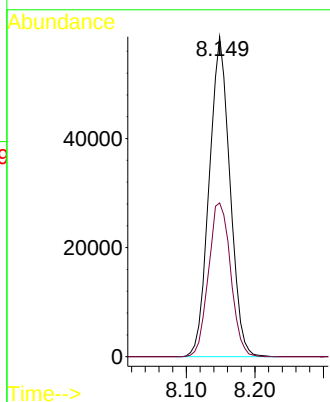
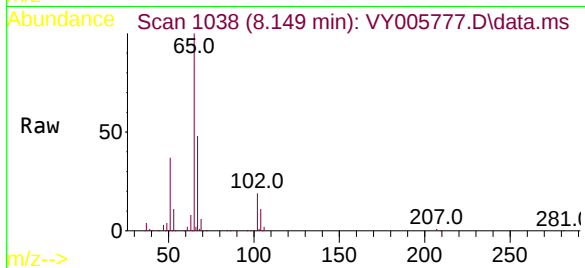




#33  
1,2-Dichloroethane-d4  
Concen: 65.234 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

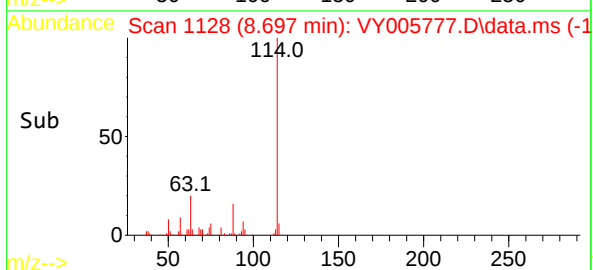
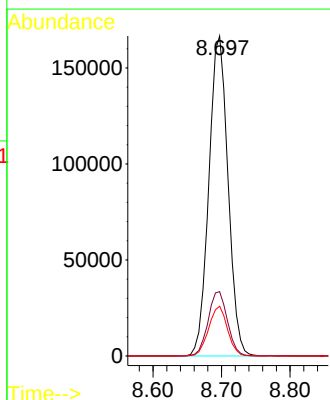
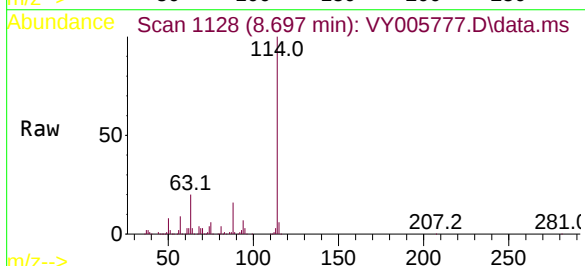
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

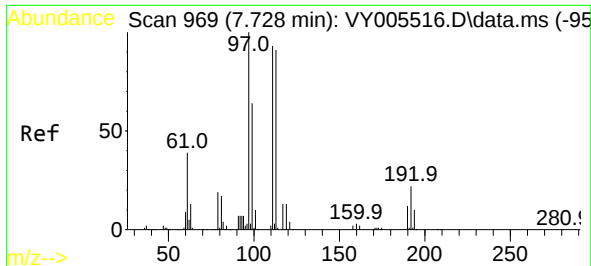
Tgt Ion: 65 Resp: 123495  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 103.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 114 Resp: 323643  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 39.2  
88 15.6 0.0 30.8

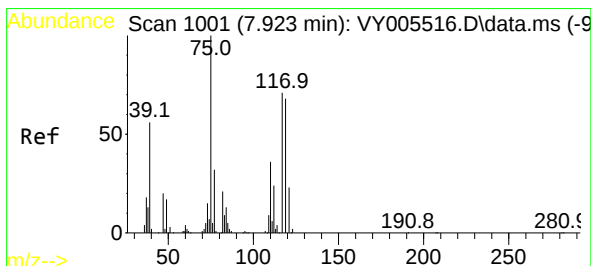
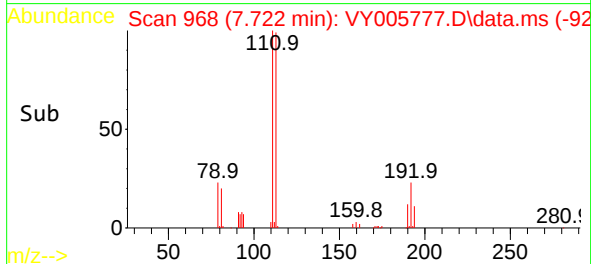
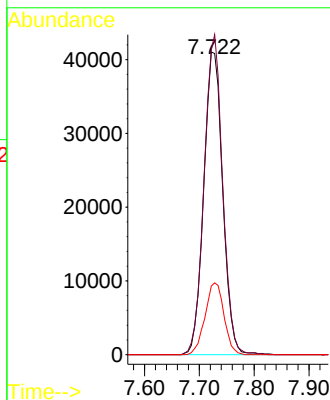
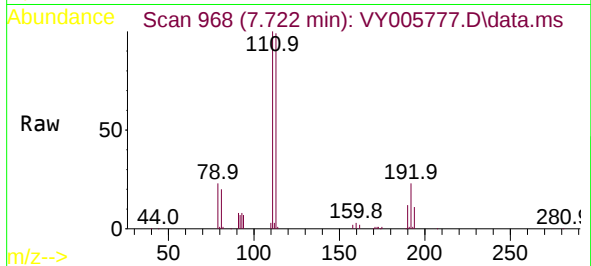




#35  
Dibromofluoromethane  
Concen: 54.354 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

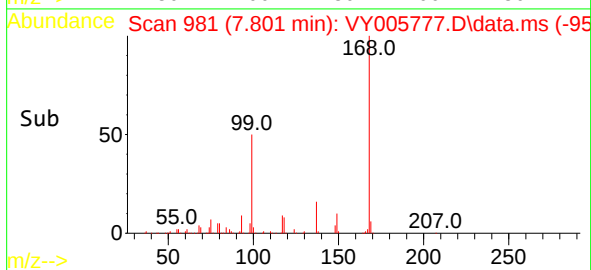
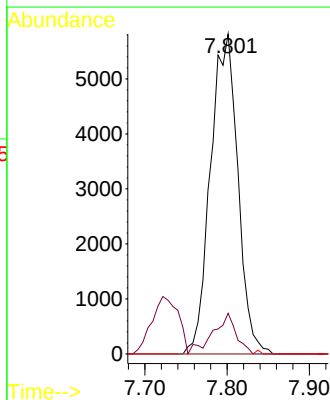
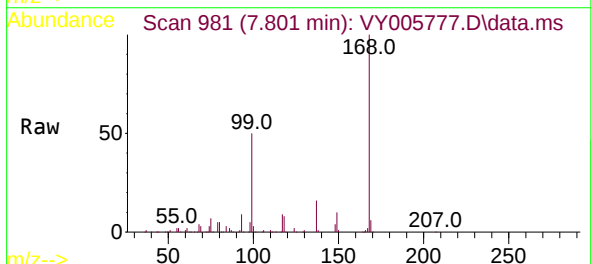
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

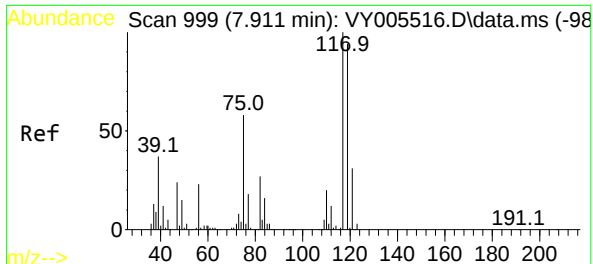
Tgt Ion:113 Resp: 98489  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.9 122.9  
192 23.7 19.2 28.8



#36  
1,1-Dichloropropene  
Concen: 4.433 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.122 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 75 Resp: 13457  
Ion Ratio Lower Upper  
75 100  
110 9.7 18.1 54.1#  
77 0.0 25.1 37.7#

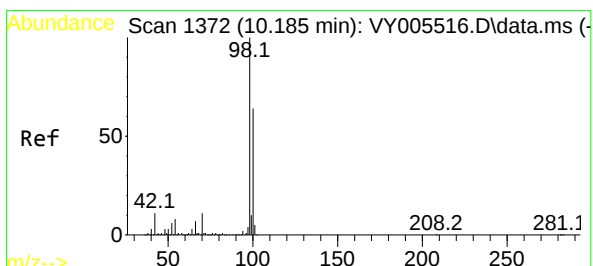
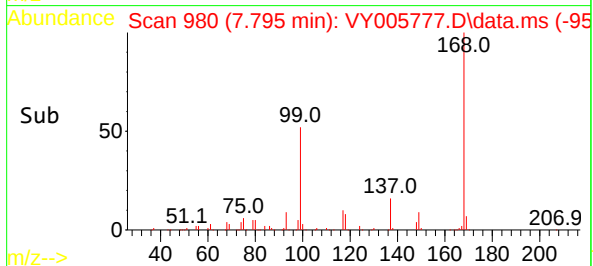
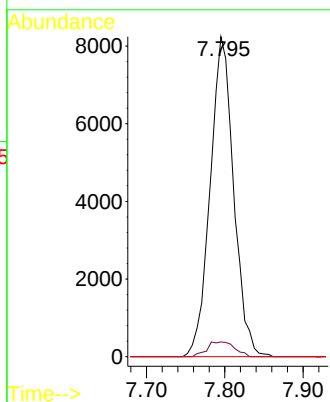
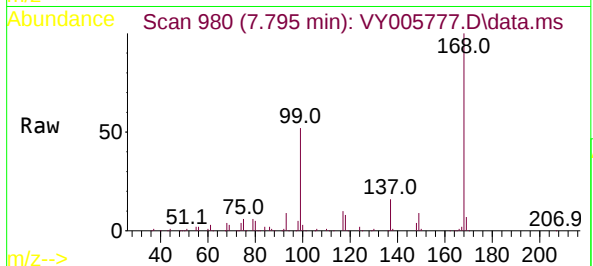




#38  
Carbon Tetrachloride  
Concen: 5.212 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.116 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

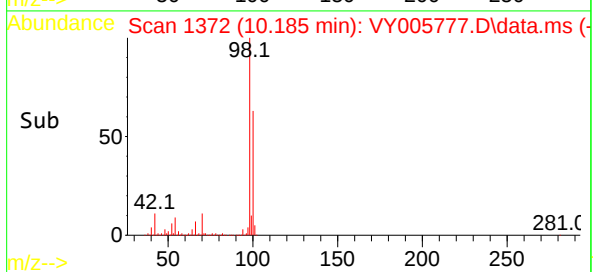
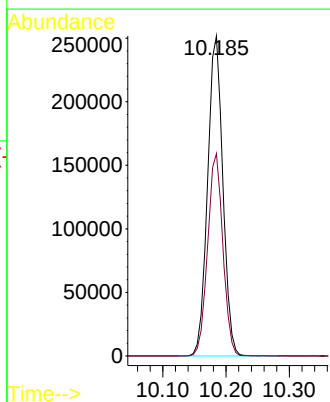
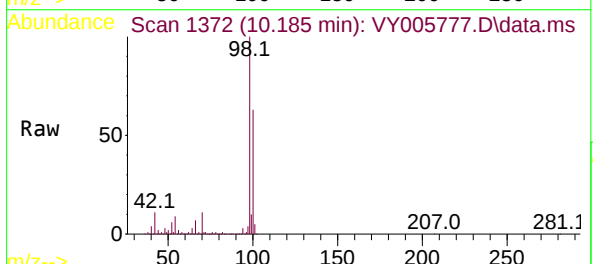
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

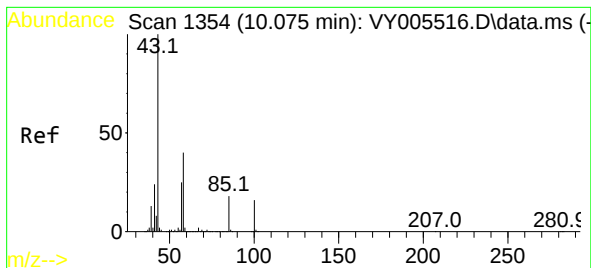
Tgt Ion:117 Resp: 17196  
Ion Ratio Lower Upper  
117 100  
119 4.6 75.4 113.0#  
121 0.0 25.1 37.7#



#50  
Toluene-d8  
Concen: 55.494 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 98 Resp: 421725  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.3 76.9

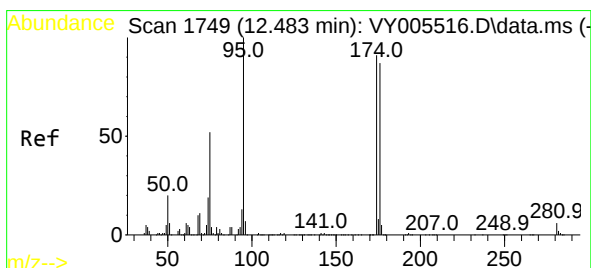
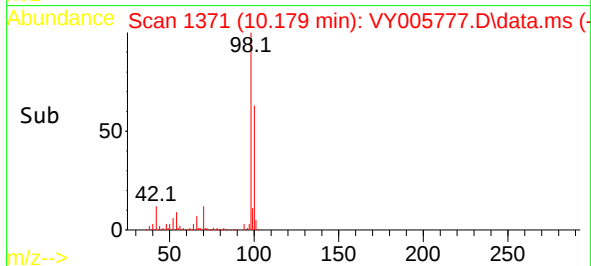
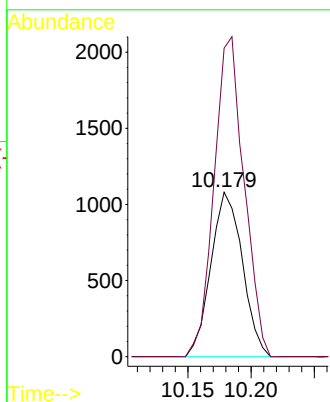
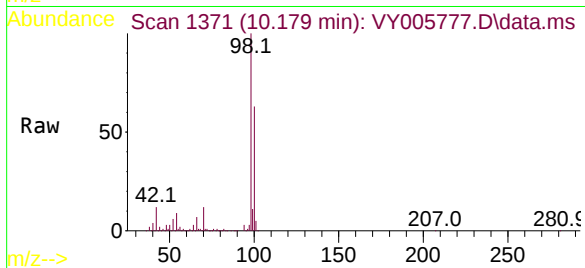




#51  
4-Methyl-2-Pentanone  
Concen: 1.020 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.104 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

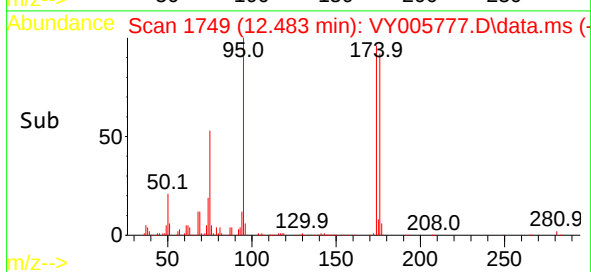
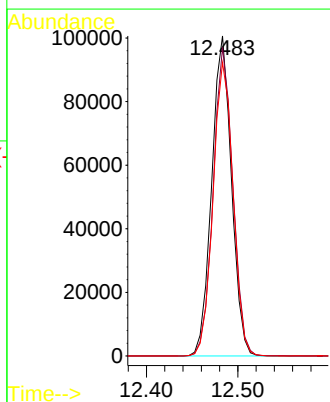
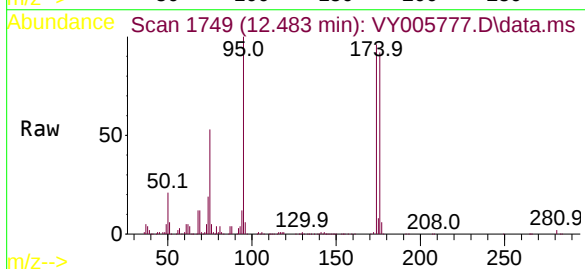
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

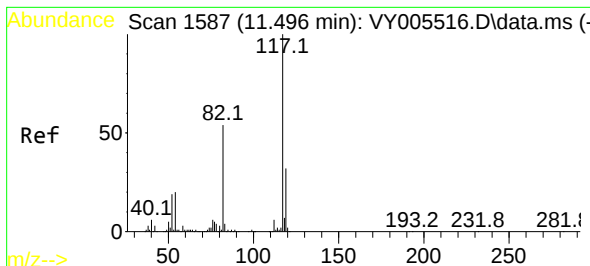
Tgt Ion: 43 Resp: 1871  
Ion Ratio Lower Upper  
43 100  
58 185.2 31.4 47.2#



#62  
4-Bromofluorobenzene  
Concen: 59.949 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 95 Resp: 150863  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 191.4  
176 93.0 0.0 183.6

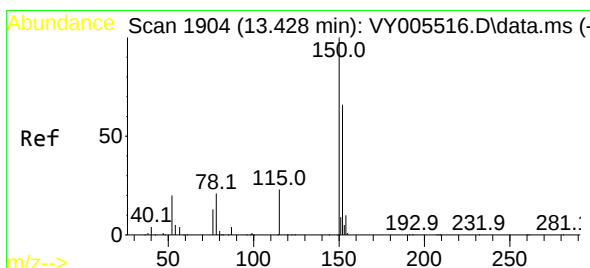
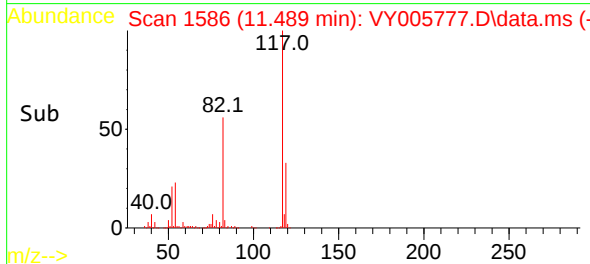
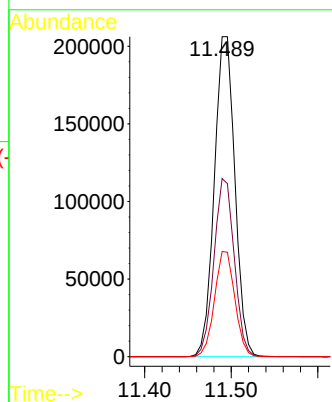
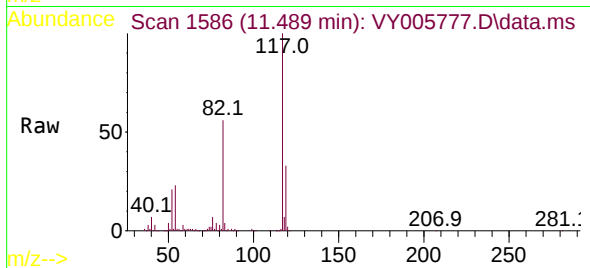




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

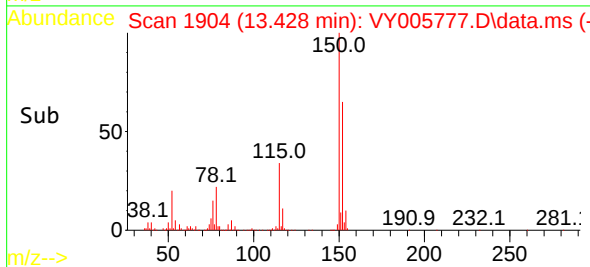
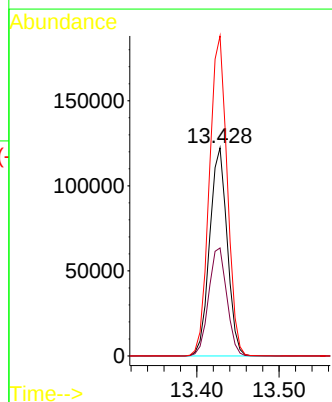
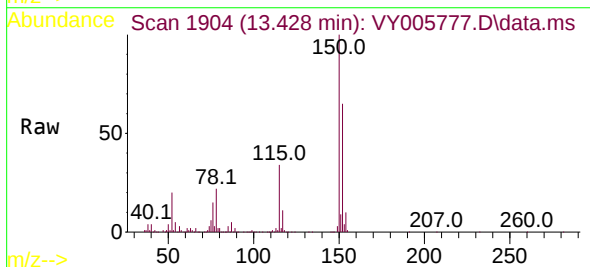
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

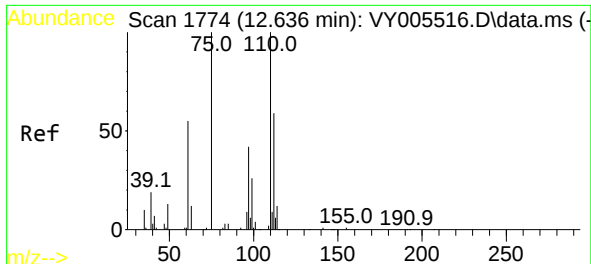
Tgt Ion:117 Resp: 340770  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.5 65.3  
119 32.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion:152 Resp: 181147  
Ion Ratio Lower Upper  
152 100  
115 53.7 27.3 81.9  
150 156.4 0.0 350.2

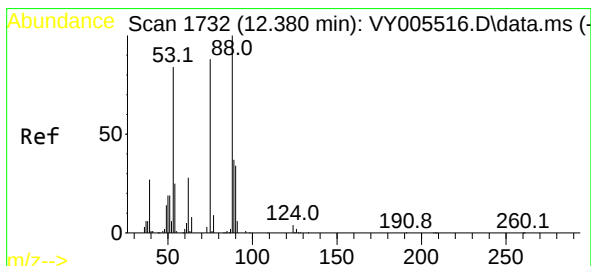
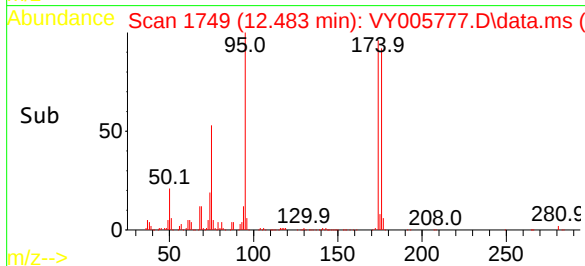
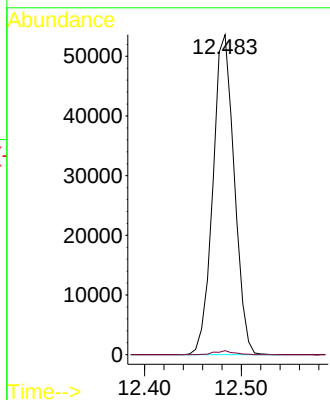
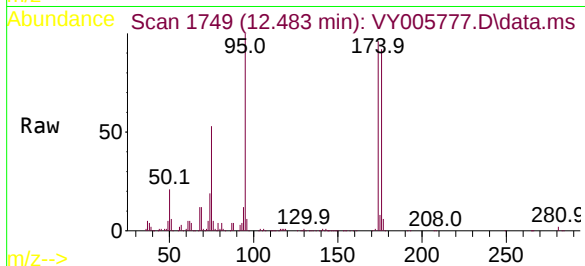




#76  
1,2,3-Trichloropropane  
Concen: 43.810 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SWCS-12-0205

Tgt Ion: 75 Resp: 82241  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 88.316 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY005777.D  
Acq: 19 Aug 2021 18:17

Tgt Ion: 75 Resp: 82241  
Ion Ratio Lower Upper  
75 100  
53 0.0 76.7 115.1#  
89 0.1 38.4 57.6#

