

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100121\  
 Data File : VY006265.D  
 Acq On : 01 Oct 2021 16:53  
 Operator : SY/MD  
 Sample : M4035-09  
 Misc : 4.71G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 02 02:13:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 17:44:36 2021  
 Response via : Initial Calibration

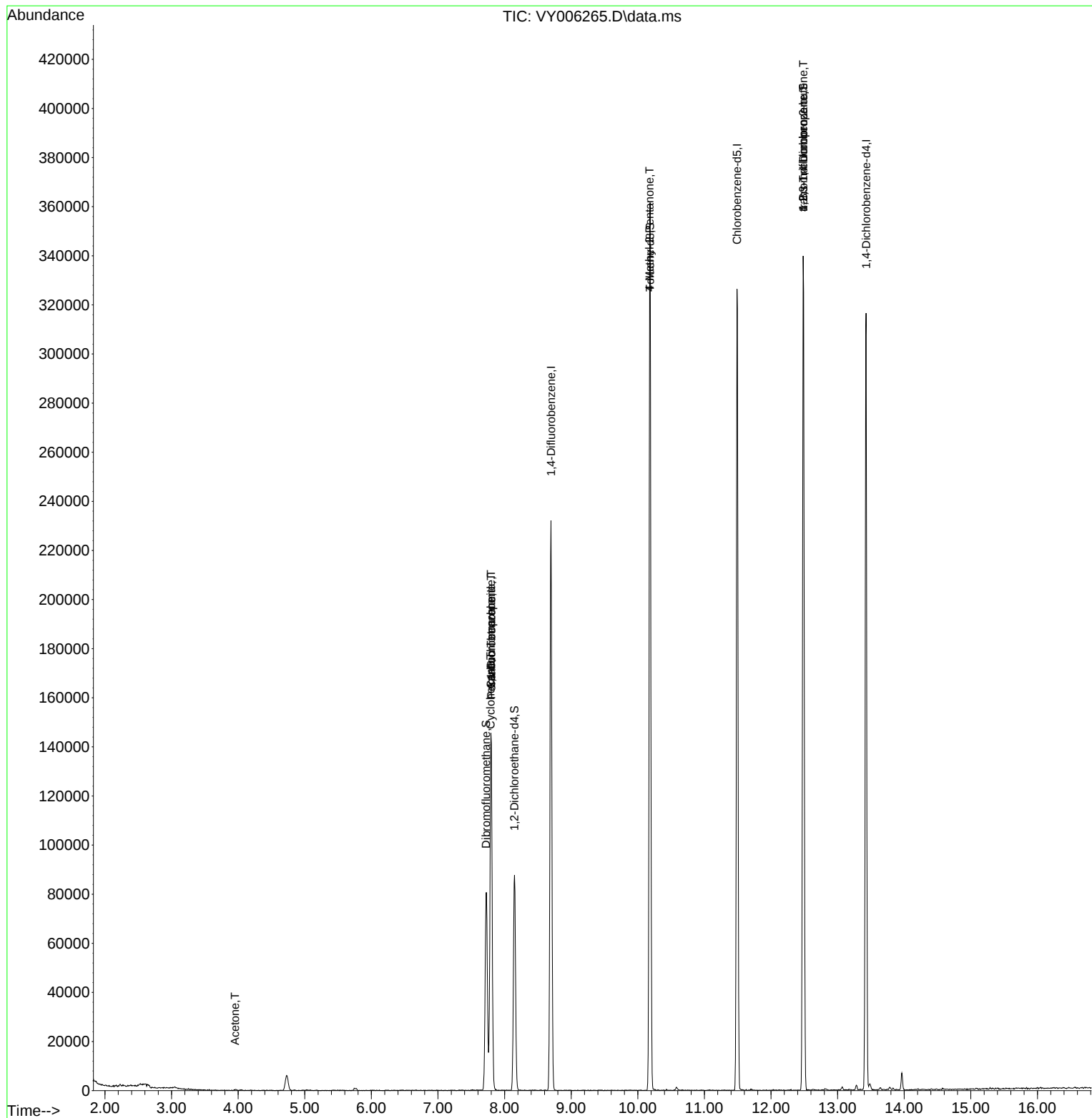
| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 115090   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 186925   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 174404   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 79518    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149  | 65    | 74782    | 60.710   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | = 121.420% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 54538    | 54.611   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | = 109.220% |          |
| 50) Toluene-d8                | 10.185 | 98    | 233574   | 55.884   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | = 111.760% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 71687    | 50.489   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | = 100.980% |          |
| Target Compounds              |        |       |          |          |            |          |
|                               |        |       |          |          | Qvalue     |          |
| 16) Acetone                   | 3.954  | 43    | 680      | 1.976    | ug/l       | 99       |
| 31) Cyclohexane               | 7.789  | 56    | 2537     | 1.087    | ug/l #     | 41       |
| 36) 1,1-Dichloropropene       | 7.795  | 75    | 8599     | 4.624    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 11325    | 5.767    | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.179 | 43    | 1189     | 1.102    | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 41356    | 53.509   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 41356    | 105.154  | ug/l #     | 7        |
| -----                         |        |       |          |          |            |          |

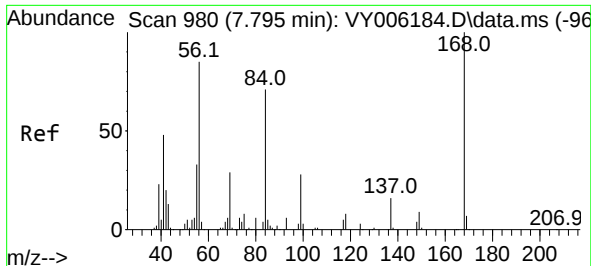
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100121\  
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Operator : SY/MD  
Sample : M4035-09  
Misc : 4.71G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 02 02:13:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y092821S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 17:44:36 2021  
Response via : Initial Calibration

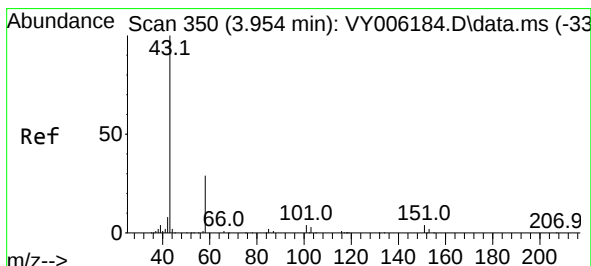
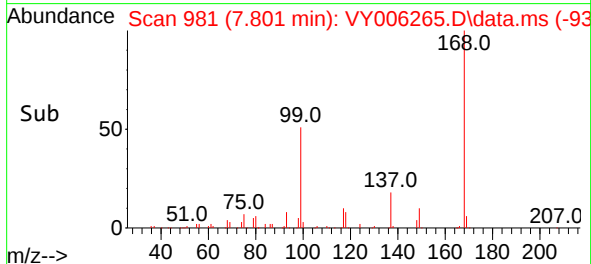
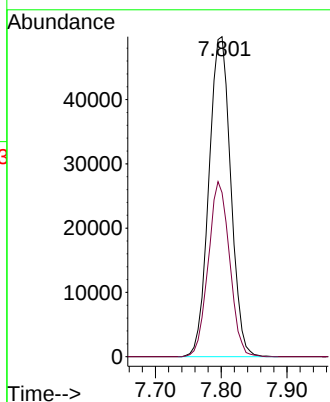
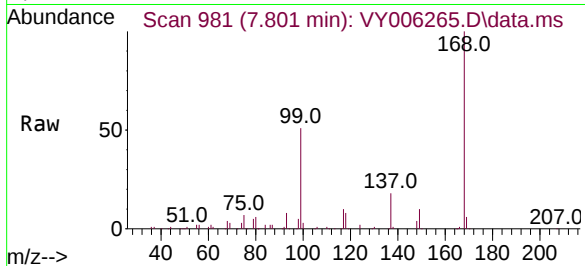




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

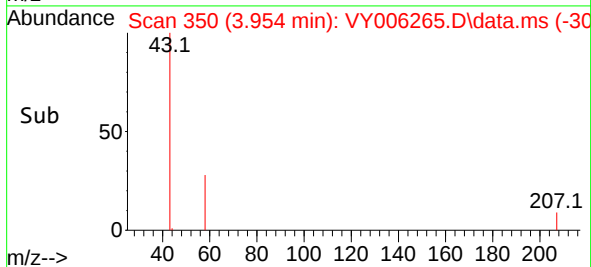
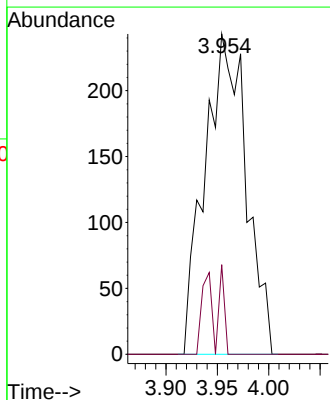
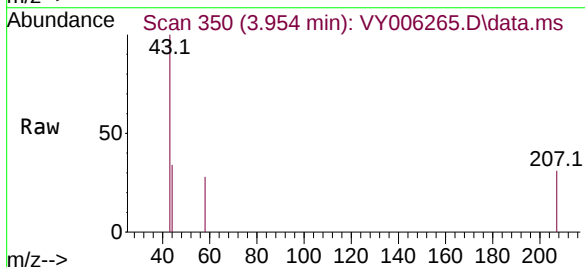
Instrument :  
MSVOA\_Y  
ClientSampled :

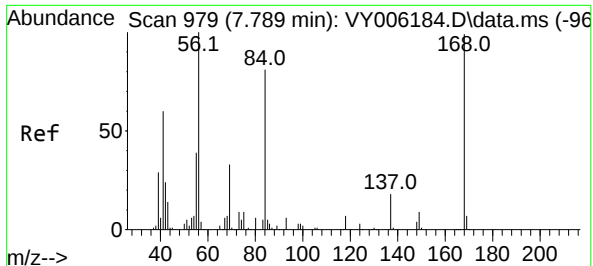
Tgt Ion:168 Resp: 115090  
Ion Ratio Lower Upper  
168 100  
99 51.3 46.9 70.3



#16  
Acetone  
Concen: 1.976 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

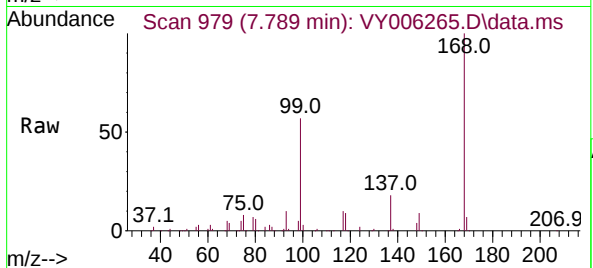
Tgt Ion: 43 Resp: 680  
Ion Ratio Lower Upper  
43 100  
58 28.0 22.0 33.0



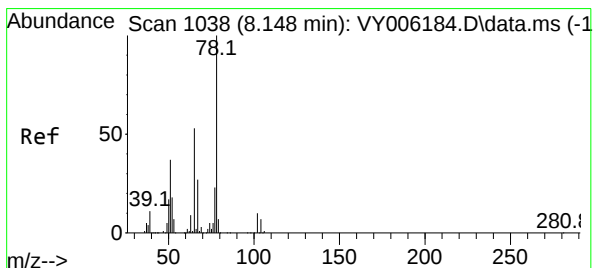
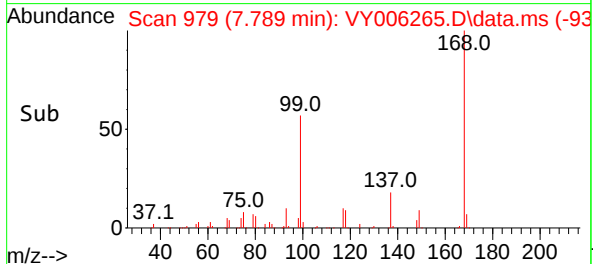
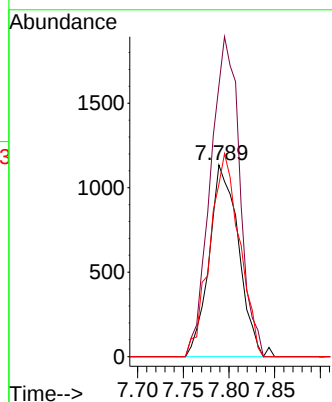


#31  
Cyclohexane  
Concen: 1.087 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

Instrument :  
MSVOA\_Y  
ClientSampleId :

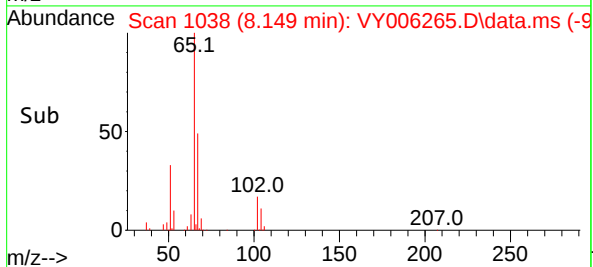
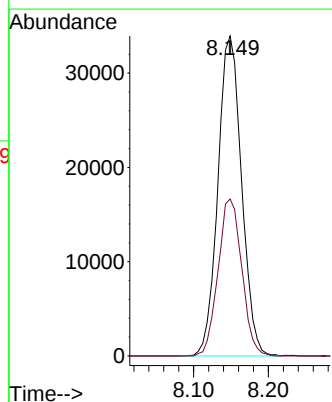
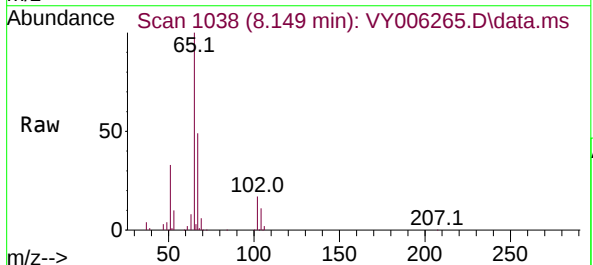


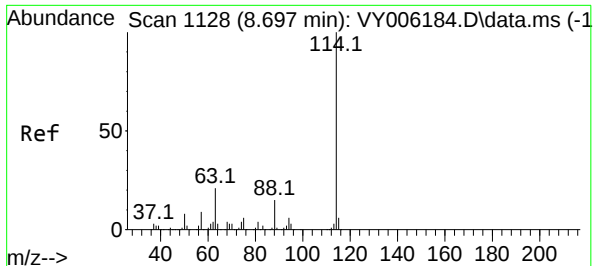
Tgt Ion: 56 Resp: 2537  
Ion Ratio Lower Upper  
56 100  
69 141.4 26.7 40.1#  
84 89.9 67.2 100.8



#33  
1,2-Dichloroethane-d4  
Concen: 60.710 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

Tgt Ion: 65 Resp: 74782  
Ion Ratio Lower Upper  
65 100  
67 49.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY006265.D

Acq: 01 Oct 2021 16:53

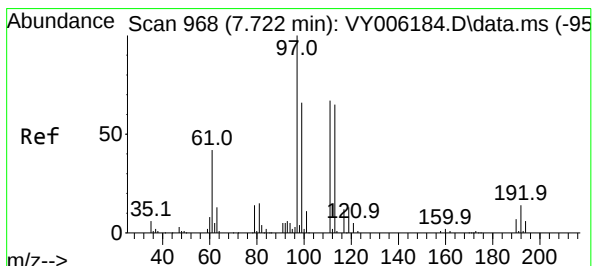
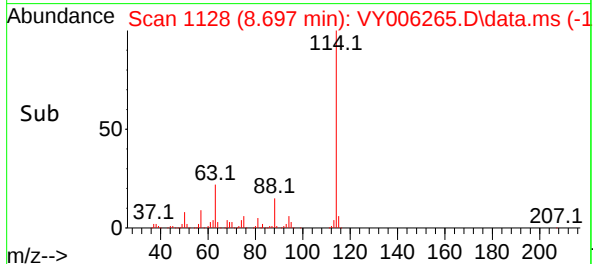
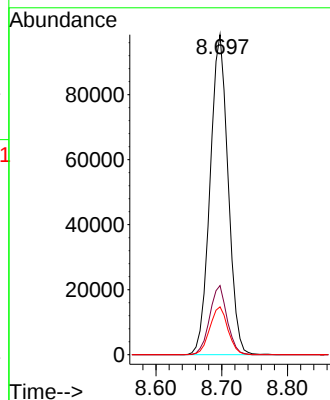
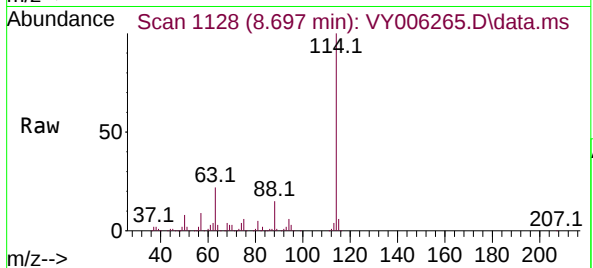
Tgt Ion:114 Resp: 186925

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.611 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY006265.D

Acq: 01 Oct 2021 16:53

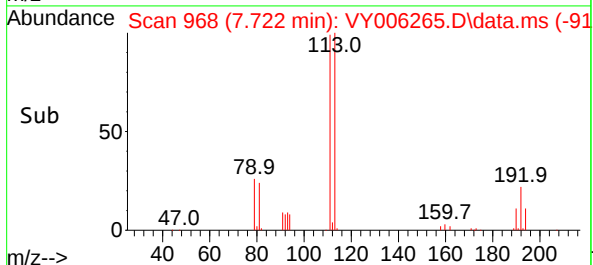
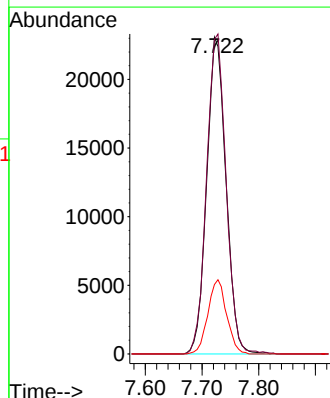
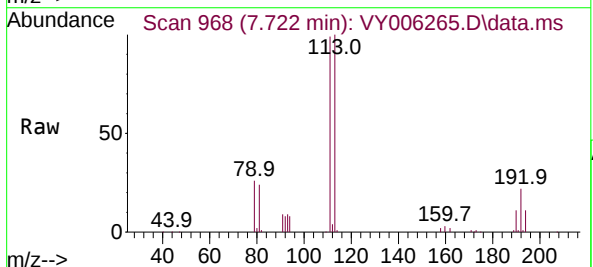
Tgt Ion:113 Resp: 54538

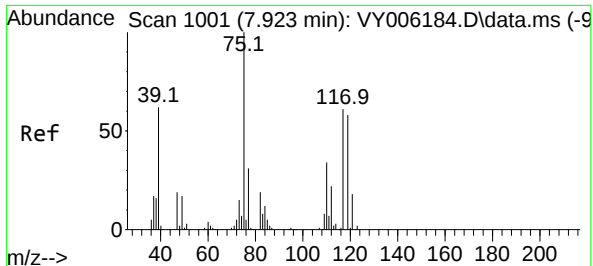
Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

192 22.7 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.624 ug/l

RT: 7.795 min Scan# 980

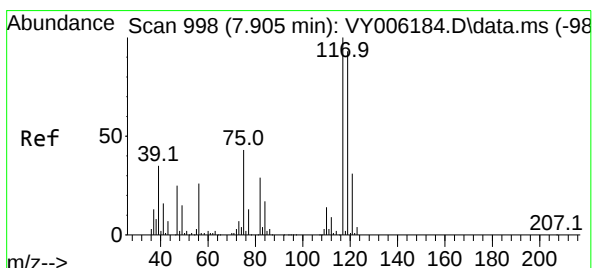
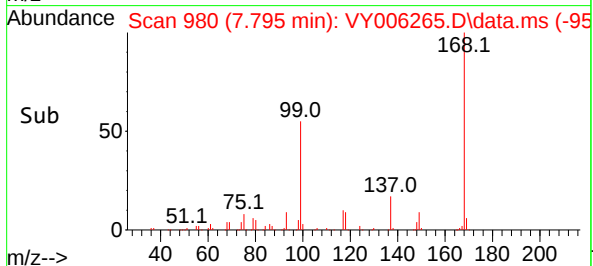
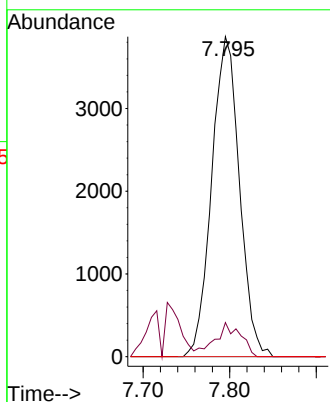
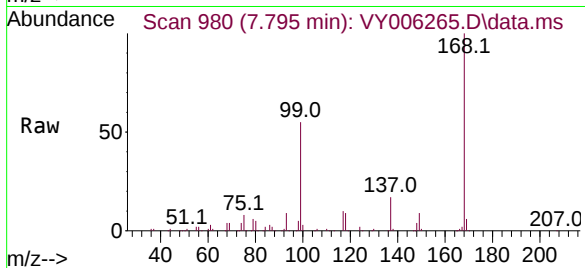
Delta R.T. -0.128 min

Lab File: VY006265.D

Acq: 01 Oct 2021 16:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 8599  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.0   | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |

Instrument :  
MSVOA\_Y  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.767 ug/l

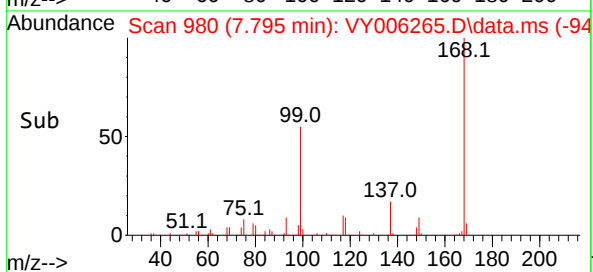
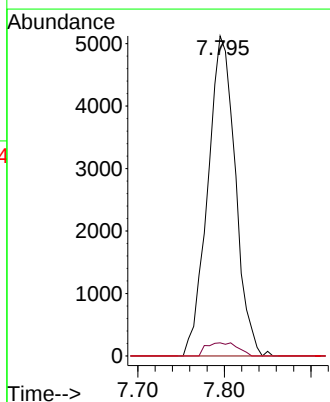
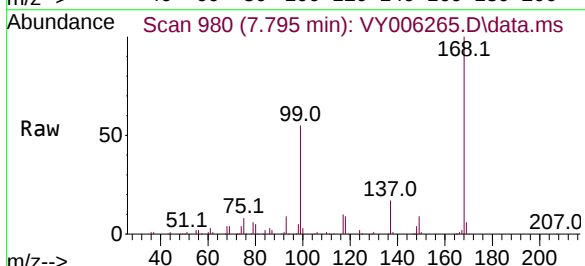
RT: 7.795 min Scan# 980

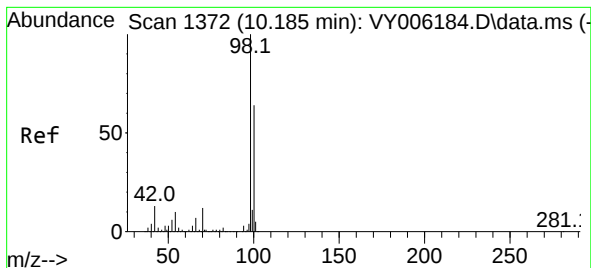
Delta R.T. -0.110 min

Lab File: VY006265.D

Acq: 01 Oct 2021 16:53

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 11325  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.1   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |





#50

Toluene-d8

Concen: 55.884 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY006265.D

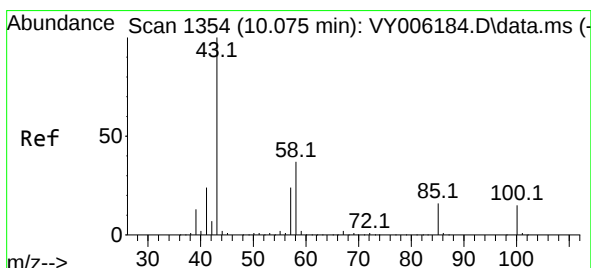
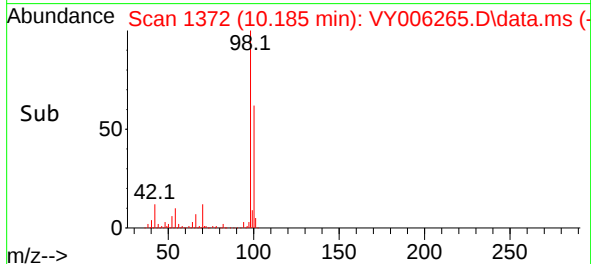
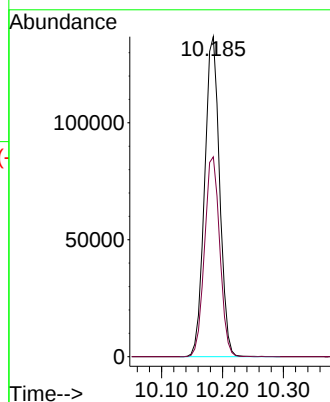
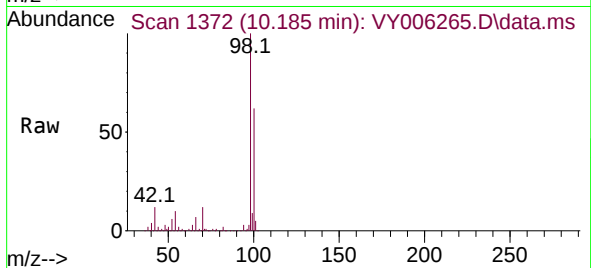
Acq: 01 Oct 2021 16:53

Tgt Ion: 98 Resp: 233574

Ion Ratio Lower Upper

98 100

100 63.5 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.102 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.104 min

Lab File: VY006265.D

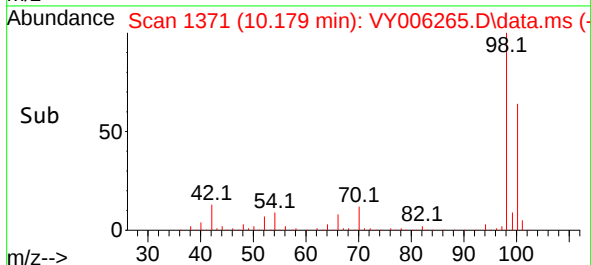
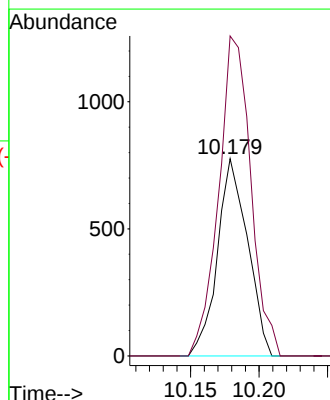
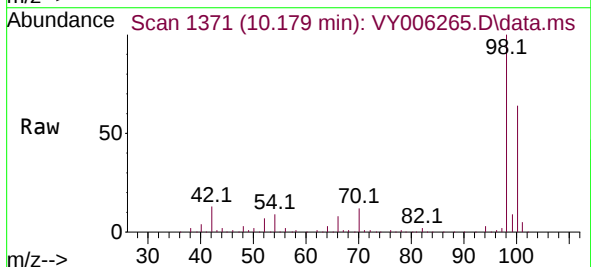
Acq: 01 Oct 2021 16:53

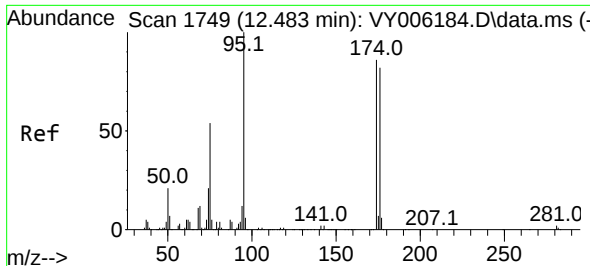
Tgt Ion: 43 Resp: 1189

Ion Ratio Lower Upper

43 100

58 172.8 28.1 42.1#

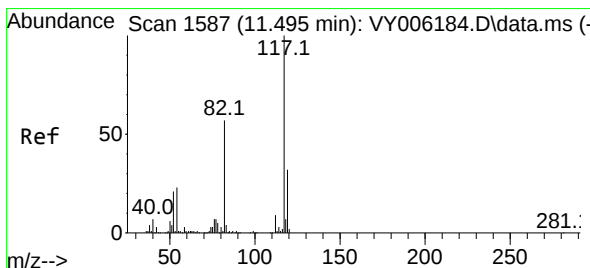
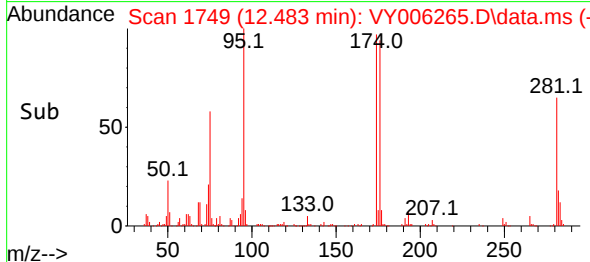
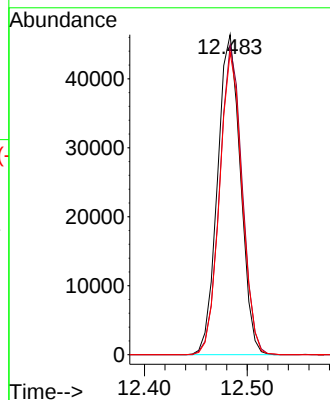
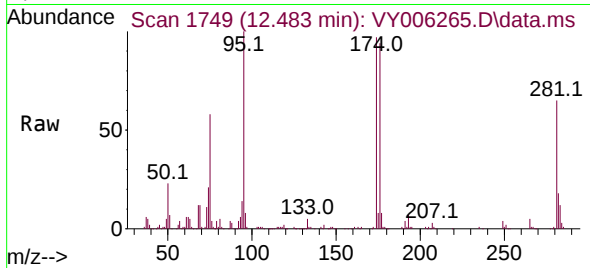




#62  
4-Bromofluorobenzene  
Concen: 50.489 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

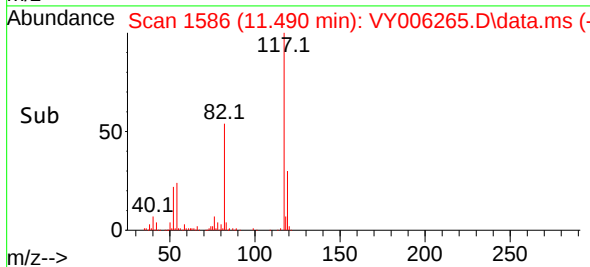
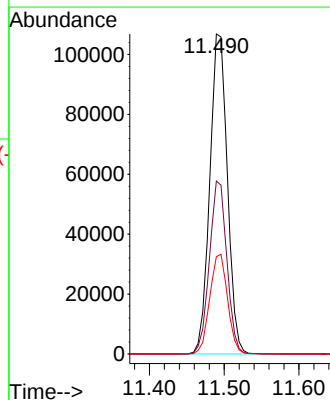
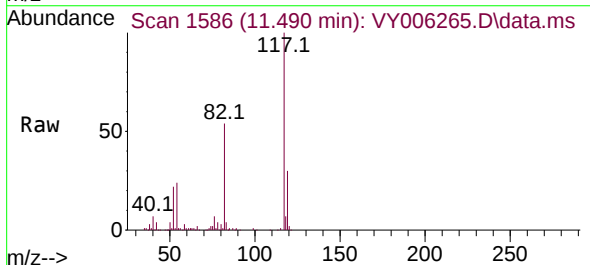
Instrument :  
MSVOA\_Y  
ClientSampleId :

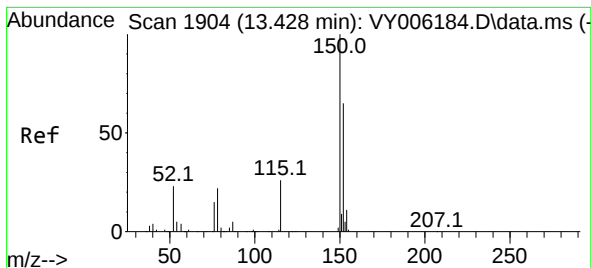
Tgt Ion: 95 Resp: 71687  
Ion Ratio Lower Upper  
95 100  
174 94.9 0.0 177.0  
176 92.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY006265.D  
Acq: 01 Oct 2021 16:53

Tgt Ion: 117 Resp: 174404  
Ion Ratio Lower Upper  
117 100  
82 54.0 43.0 64.4  
119 30.4 25.4 38.0

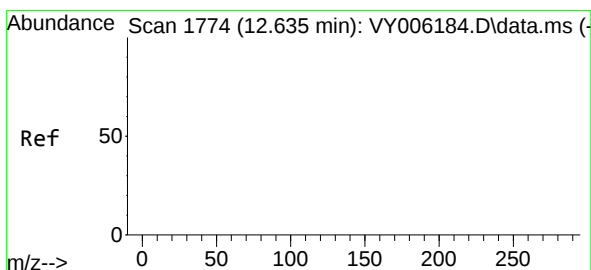
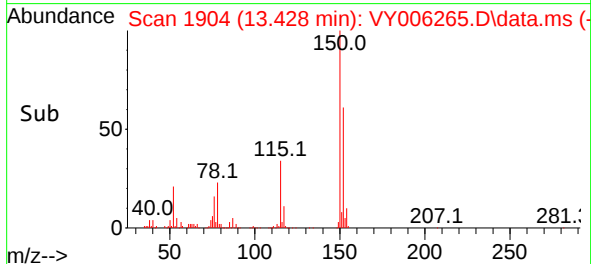
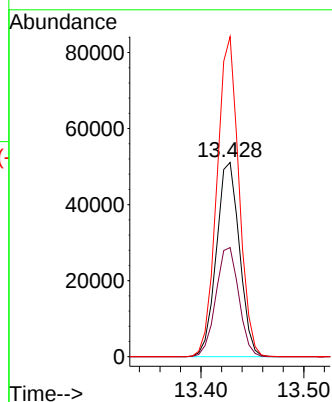
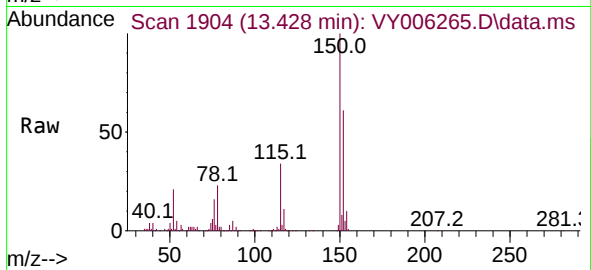




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006265.D  
 Acq: 01 Oct 2021 16:53

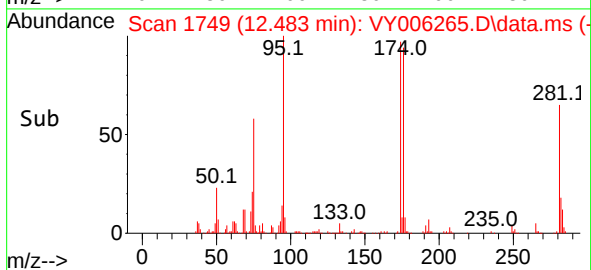
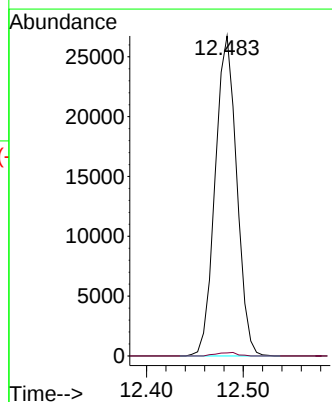
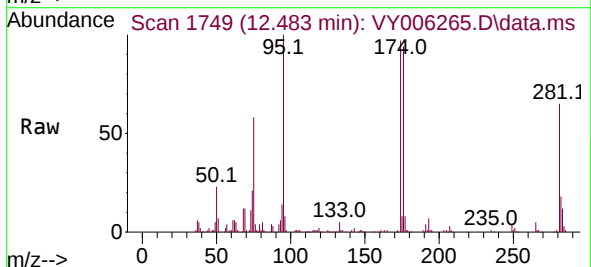
Instrument :  
 MSVOA\_Y  
 ClientSampled :

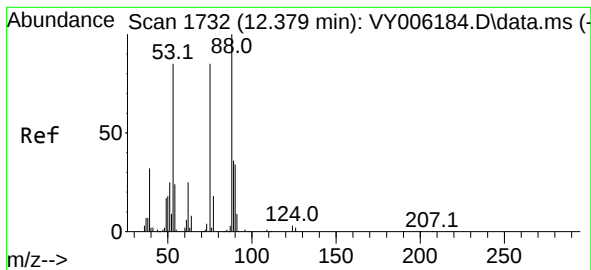
Tgt Ion:152 Resp: 79518  
 Ion Ratio Lower Upper  
 152 100  
 115 55.9 28.2 84.7  
 150 156.7 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 53.509 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY006265.D  
 Acq: 01 Oct 2021 16:53

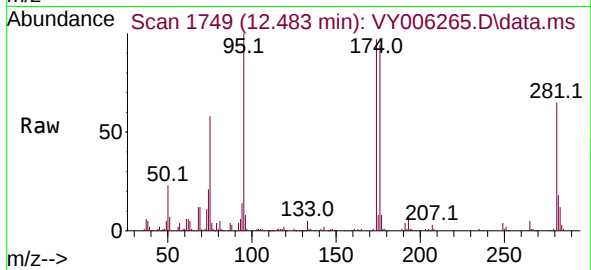
Tgt Ion: 75 Resp: 41356  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 105.154 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. 0.104 min  
 Lab File: VY006265.D  
 Acq: 01 Oct 2021 16:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 41356  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.6 37.0 55.4#

