

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112421\  
 Data File : VY006885.D  
 Acq On : 24 Nov 2021 18:25  
 Operator : SY/MD  
 Sample : M4786-04  
 Misc : 5.02G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RO-357

Quant Time: Nov 26 09:58:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111521S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 16 04:20:03 2021  
 Response via : Initial Calibration

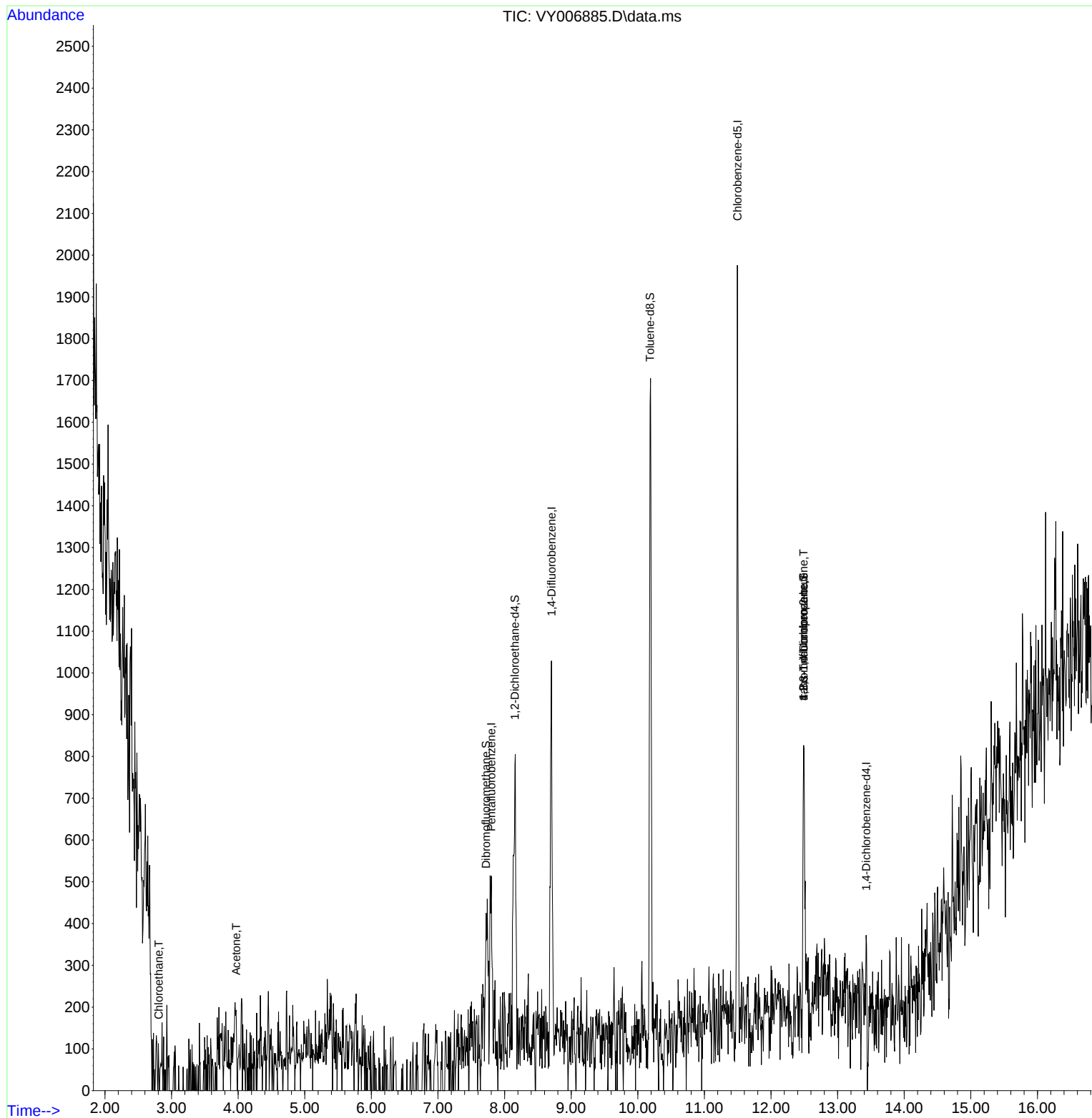
| Compound                      | R.T. QIon |       | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|-----------|-------|----------|----------|--------|-----------|
| -----                         |           |       |          |          |        |           |
| Internal Standards            |           |       |          |          |        |           |
| 1) Pentafluorobenzene         | 7.801     | 168   | 519      | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene       | 8.703     | 114   | 1186     | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 11.496    | 117   | 967      | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 68       | 50.000   | ug/l   | # 0.00    |
| System Monitoring Compounds   |           |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4     | 8.155     | 65    | 766      | 112.612  | ug/l   | 0.00      |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | =      | 225.220%# |
| 35) Dibromofluoromethane      | 7.722     | 113   | 292      | 40.083   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | =      | 80.160%   |
| 50) Toluene-d8                | 10.185    | 98    | 1343     | 44.550   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | =      | 89.100%   |
| 62) 4-Bromofluorobenzene      | 12.489    | 95    | 169      | 16.629   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | =      | 33.260%   |
| Target Compounds              |           |       |          |          |        |           |
|                               |           |       |          |          |        | Qvalue    |
| 6) Chloroethane               | 2.808     | 64    | 46       | 9.877    | ug/l # | 45        |
| 16) Acetone                   | 3.973     | 43    | 169      | 81.774   | ug/l # | 46        |
| 76) 1,2,3-Trichloropropane    | 12.489    | 75    | 135      | 182.603  | ug/l # | 100       |
| 81) trans-1,4-Dichloro-2-b... | 12.489    | 75    | 135      | 361.822  | ug/l # | 7         |
| -----                         |           |       |          |          |        |           |

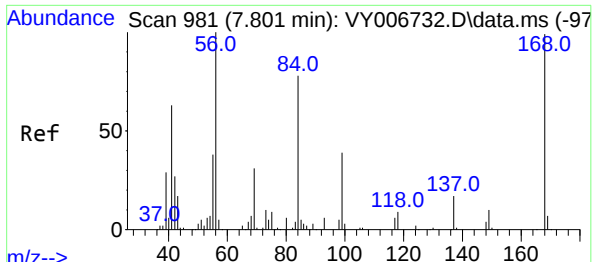
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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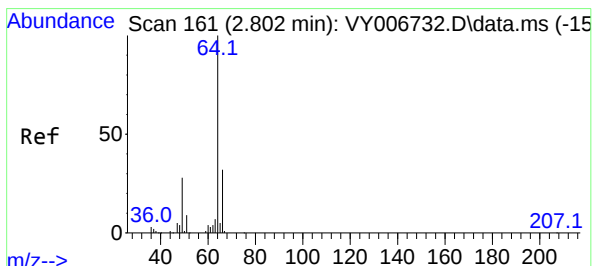
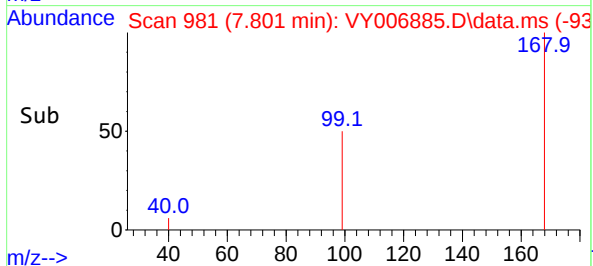
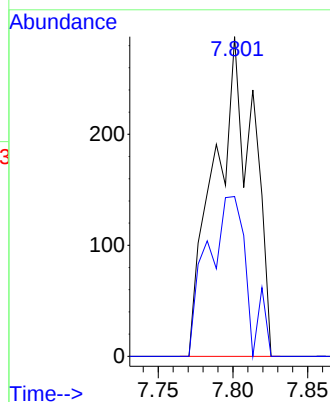
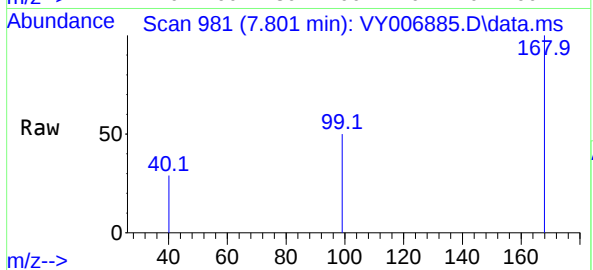




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

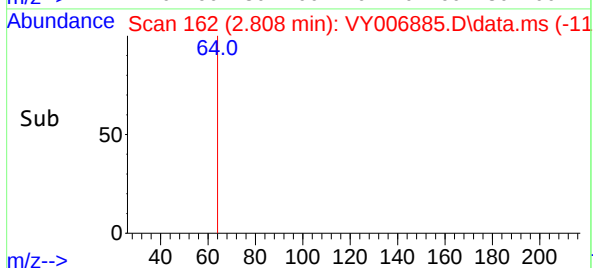
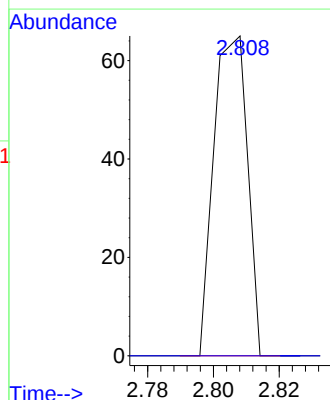
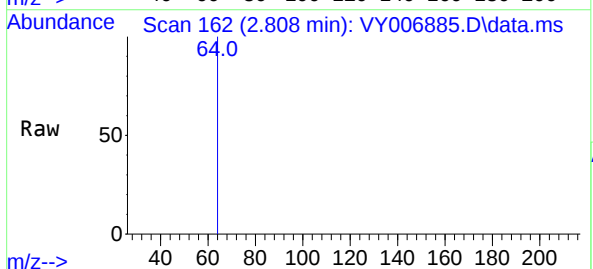
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-357

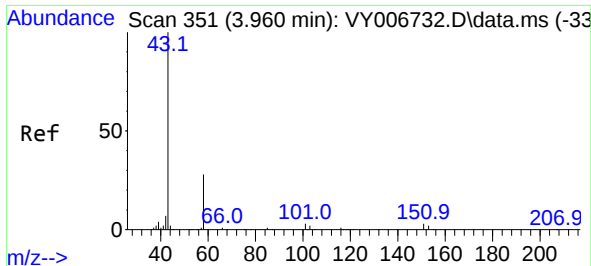
Tgt Ion:168 Resp: 519  
Ion Ratio Lower Upper  
168 100  
99 50.0 44.8 67.2



#6  
Chloroethane  
Concen: 9.877 ug/l  
RT: 2.808 min Scan# 162  
Delta R.T. 0.006 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

Tgt Ion: 64 Resp: 46  
Ion Ratio Lower Upper  
64 100  
66 0.0 23.8 35.6#

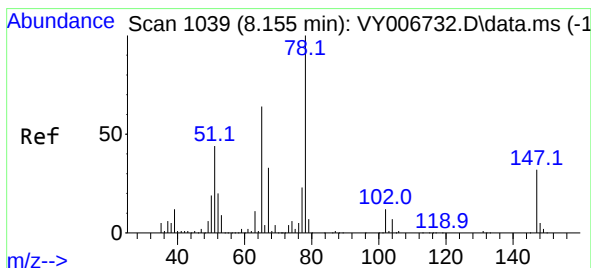
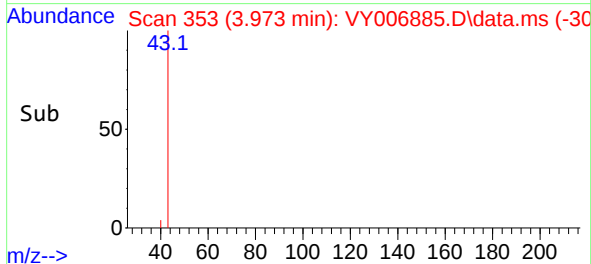
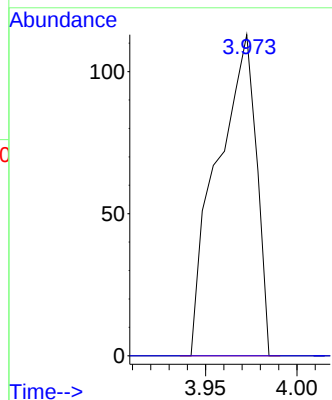
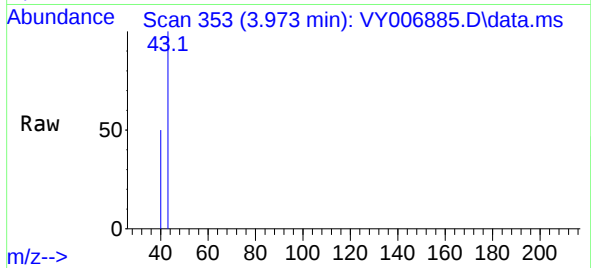




#16  
Acetone  
Concen: 81.774 ug/l  
RT: 3.973 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

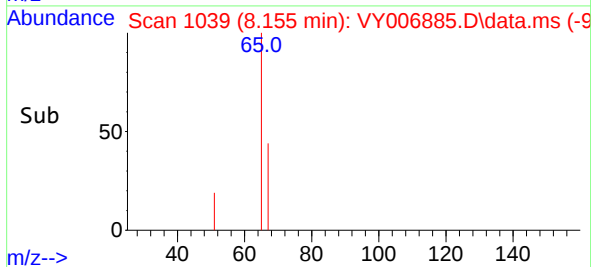
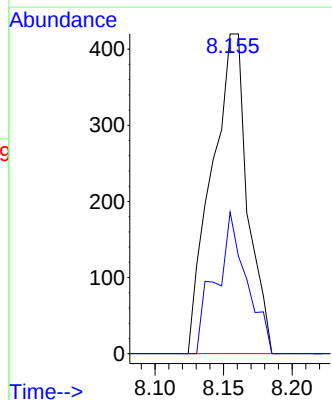
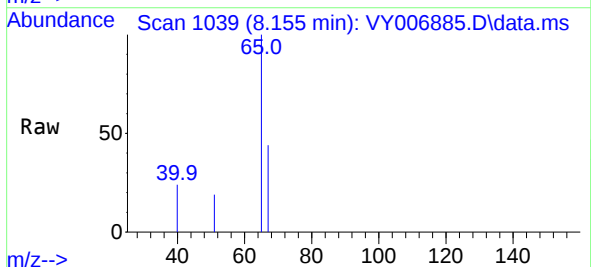
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-357

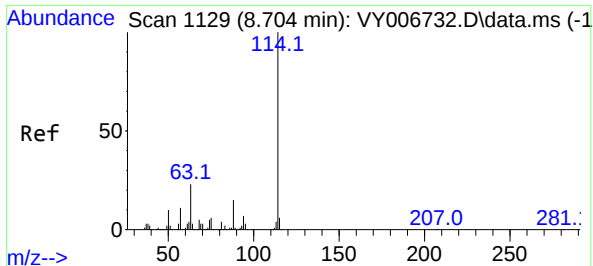
Tgt Ion: 43 Resp: 169  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.9 34.3#



#33  
1,2-Dichloroethane-d4  
Concen: 112.612 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

Tgt Ion: 65 Resp: 766  
Ion Ratio Lower Upper  
65 100  
67 38.1 0.0 98.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY006885.D

Acq: 24 Nov 2021 18:25

Instrument :

MSVOA\_Y

ClientSampleId :

RO-357

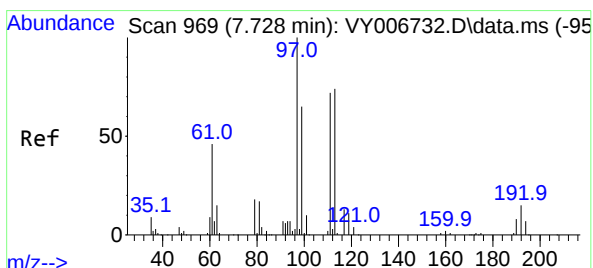
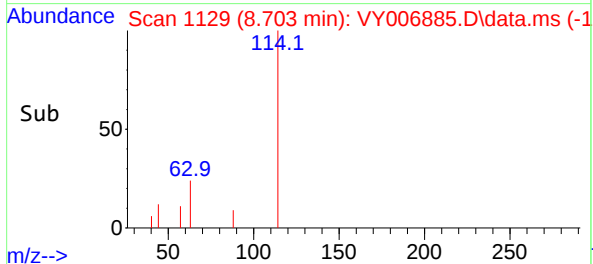
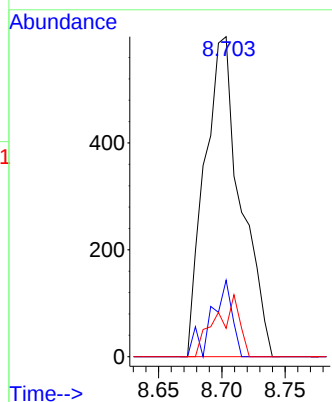
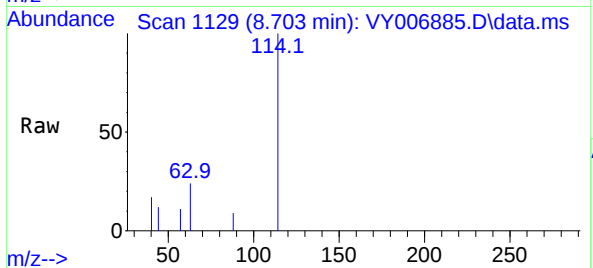
Tgt Ion:114 Resp: 1186

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.0

88 8.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 40.083 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY006885.D

Acq: 24 Nov 2021 18:25

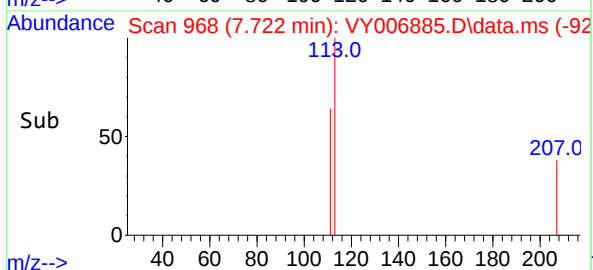
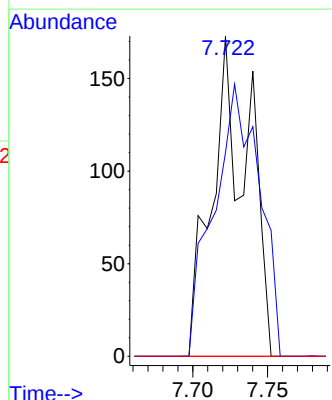
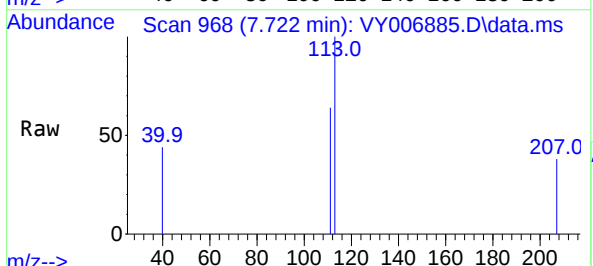
Tgt Ion:113 Resp: 292

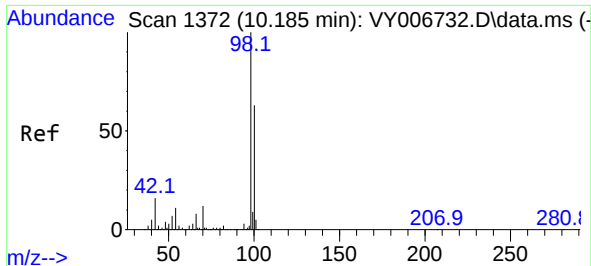
Ion Ratio Lower Upper

113 100

111 106.5 82.3 123.5

192 0.0 17.4 26.2#

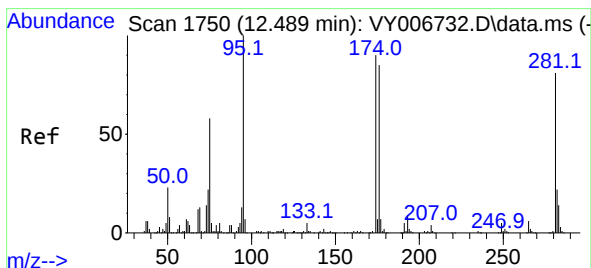
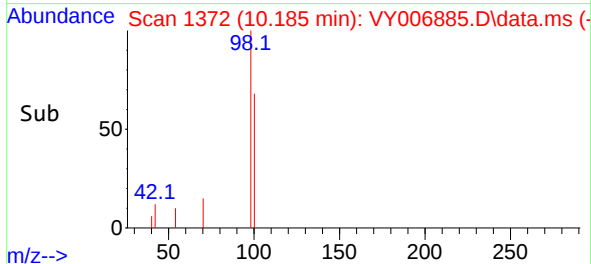
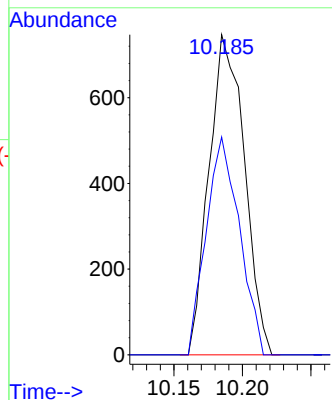
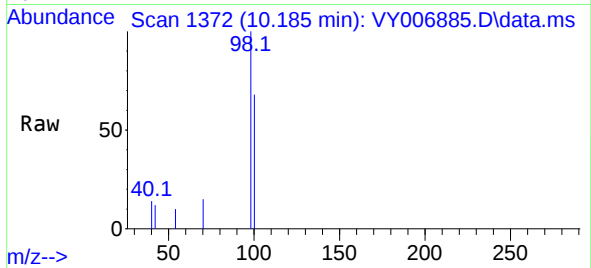




#50  
Toluene-d8  
Concen: 44.550 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

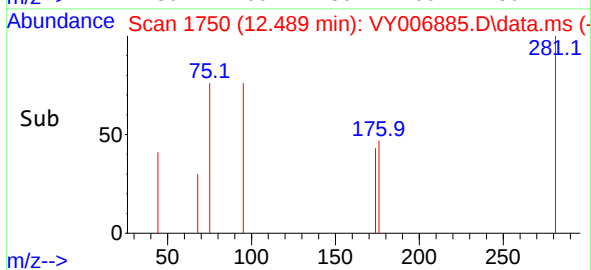
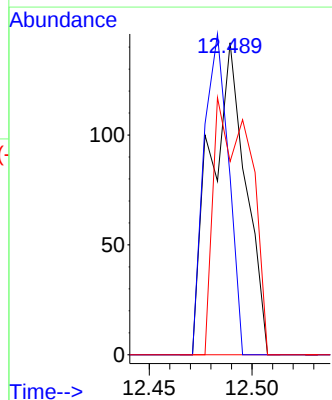
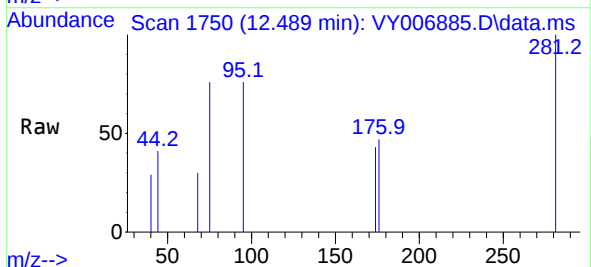
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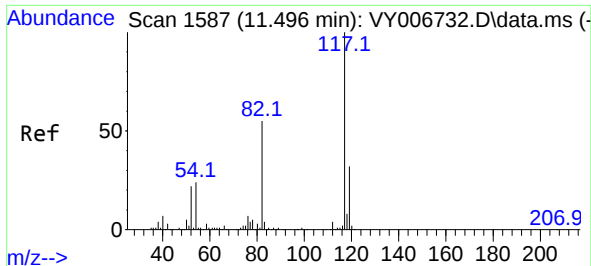
Tgt Ion: 98 Resp: 1343  
Ion Ratio Lower Upper  
98 100  
100 63.8 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 16.629 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

Tgt Ion: 95 Resp: 169  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 177.0  
176 85.2 0.0 169.4

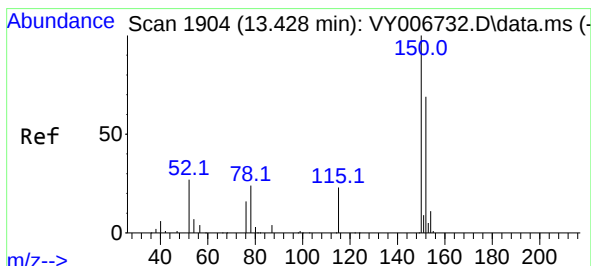
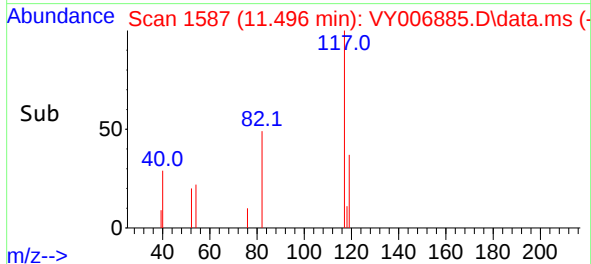
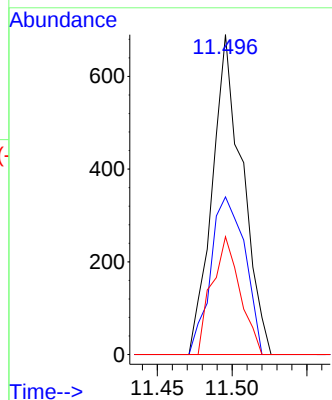
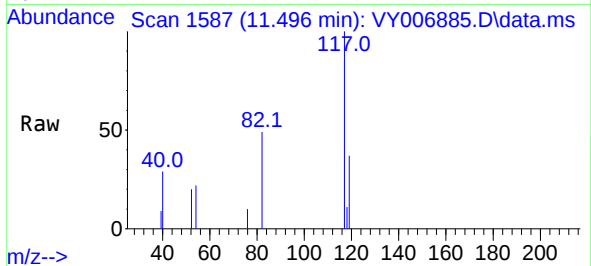




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

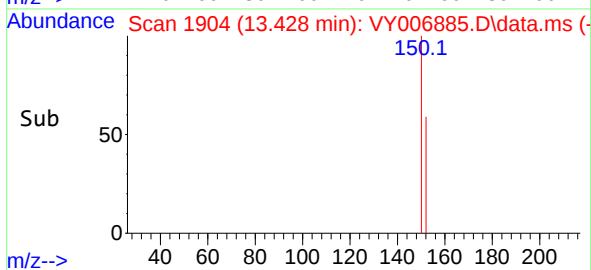
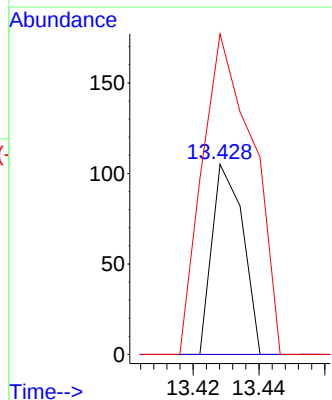
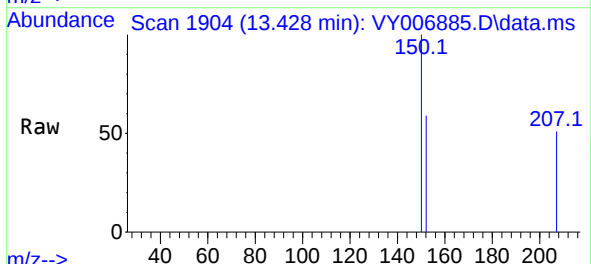
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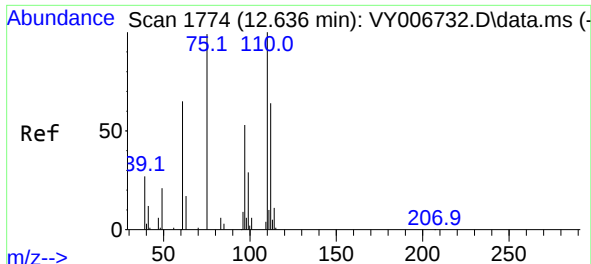
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 967         |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 49.3  | 45.7 68.5   |
| 119         | 36.8  | 25.5 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 68          |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 0.0   | 28.5 85.5#  |
| 150         | 277.9 | 0.0 348.2   |

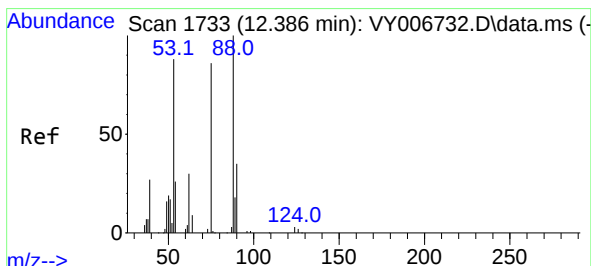
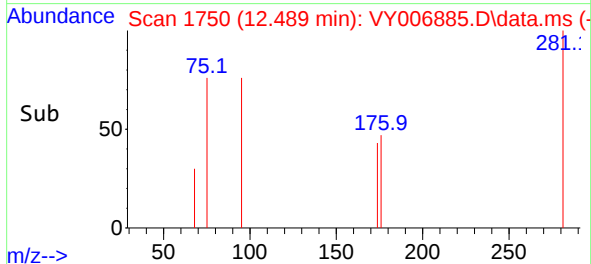
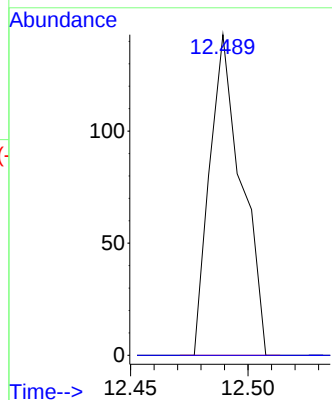
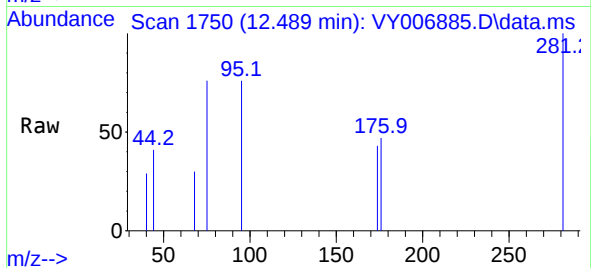




#76  
1,2,3-Trichloropropane  
Concen: 182.603 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.147 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RO-357

Tgt Ion: 75 Resp: 135  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 361.822 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY006885.D  
Acq: 24 Nov 2021 18:25

Tgt Ion: 75 Resp: 135  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.8 128.6#  
89 0.0 39.3 58.9#

