

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112423\  
 Data File : VY016480.D  
 Acq On : 24 Nov 2023 13:31  
 Operator : SY/MD  
 Sample : 05468-03  
 Misc : 5.44g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-9-VOC

Quant Time: Nov 27 04:45:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

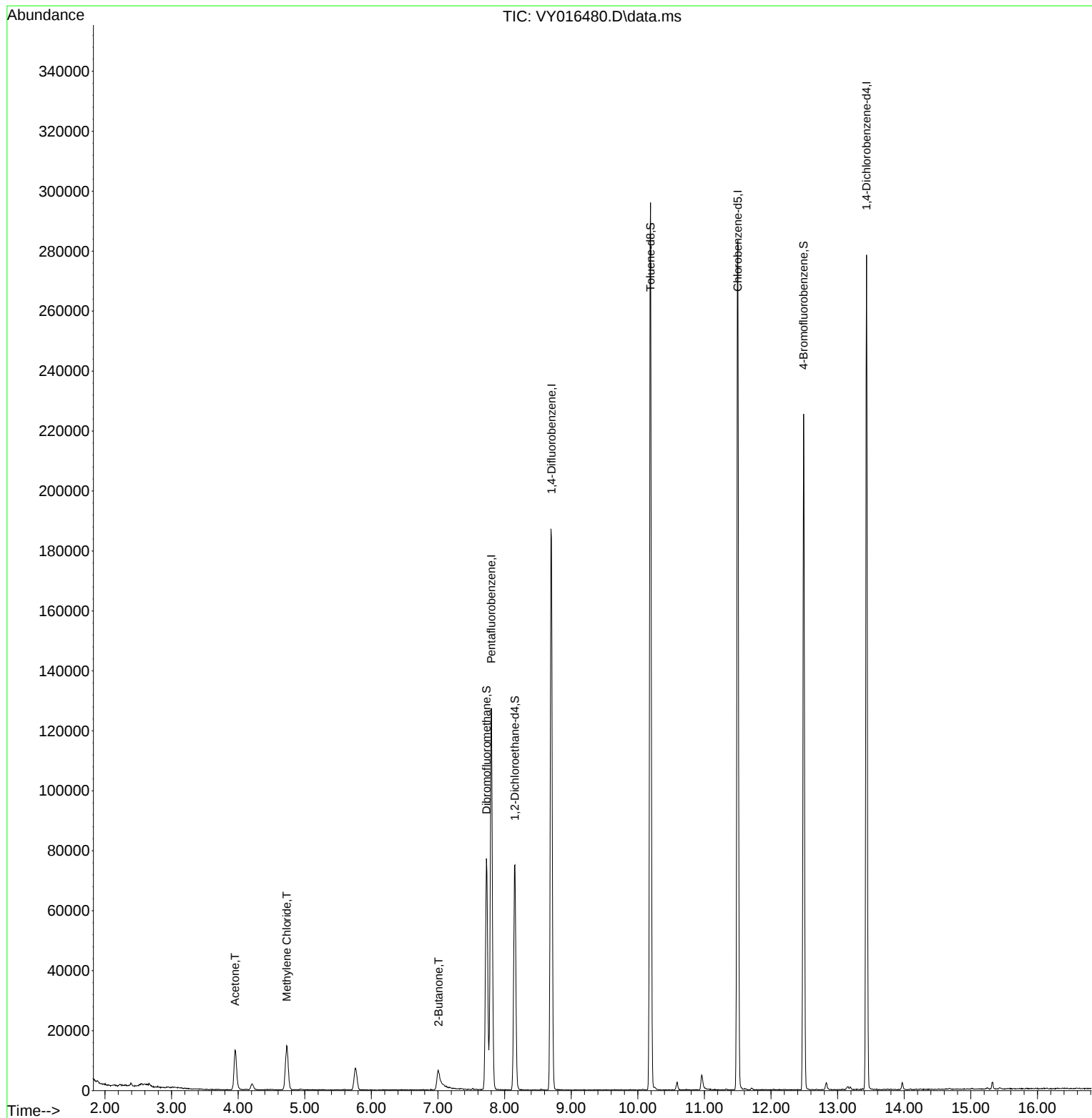
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 101142   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 173842   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 168717   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 76470    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 61407    | 66.429   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 132.860% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 55496    | 56.197   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 112.400% |
| 50) Toluene-d8              | 10.191 | 98    | 204759   | 51.130   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 102.260% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 69568    | 53.487   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 106.980% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 22921    | 149.902  | ug/l # | 86       |
| 20) Methylene Chloride      | 4.729  | 84    | 12333    | 8.531    | ug/l # | 77       |
| 25) 2-Butanone              | 7.009  | 43    | 5761     | 21.510   | ug/l   | 95       |
| -----                       |        |       |          |          |        |          |

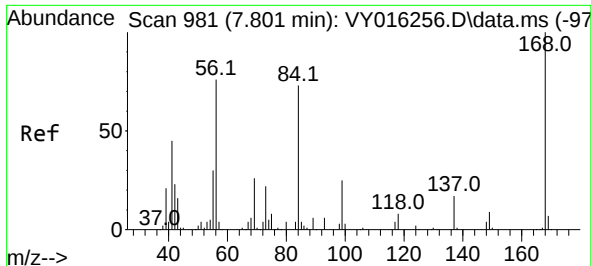
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
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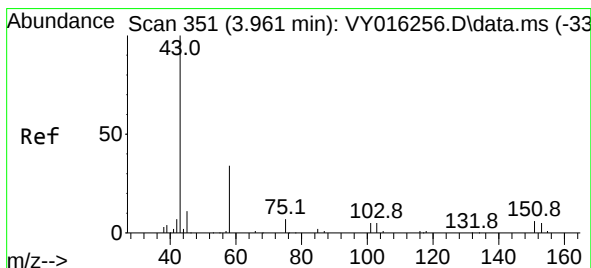
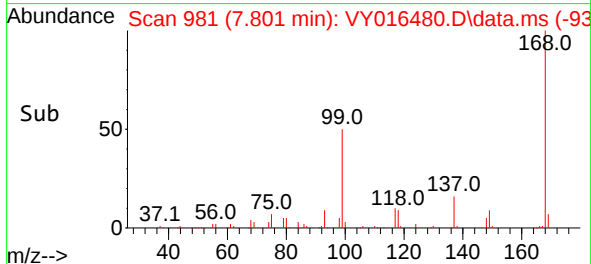
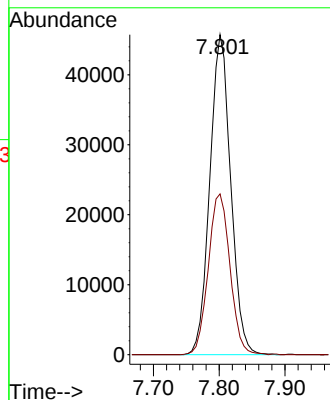
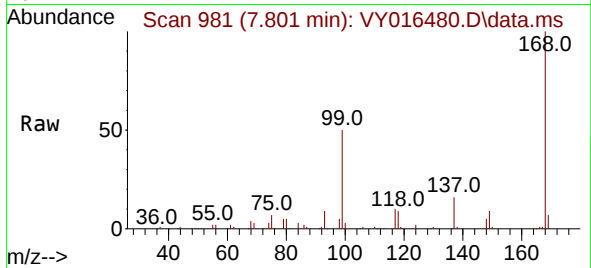




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

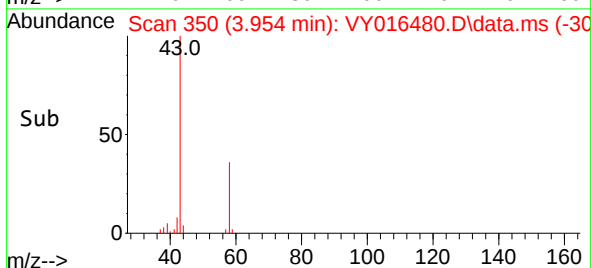
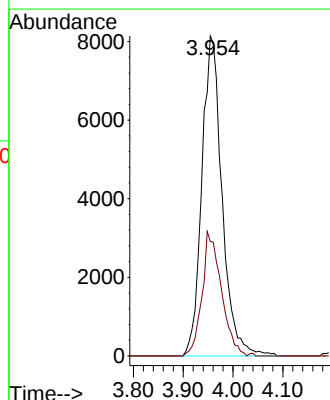
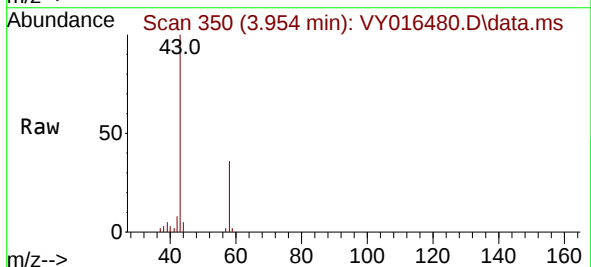
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9-VOC

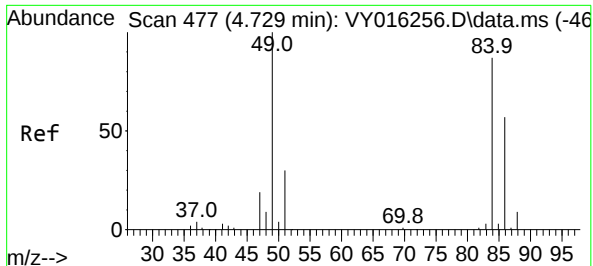
Tgt Ion:168 Resp: 101142  
Ion Ratio Lower Upper  
168 100  
99 50.3 43.4 65.0



#16  
Acetone  
Concen: 149.902 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.006 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

Tgt Ion: 43 Resp: 22921  
Ion Ratio Lower Upper  
43 100  
58 35.8 22.7 34.1#

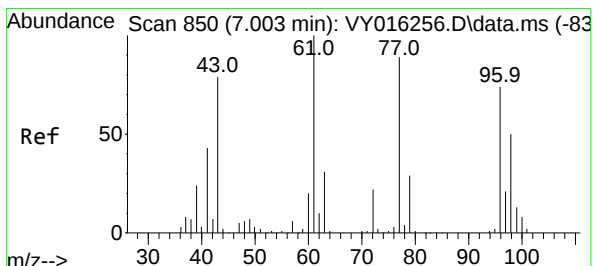
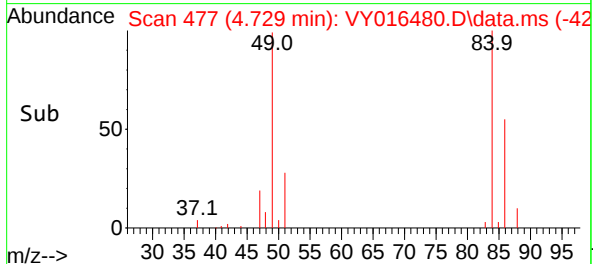
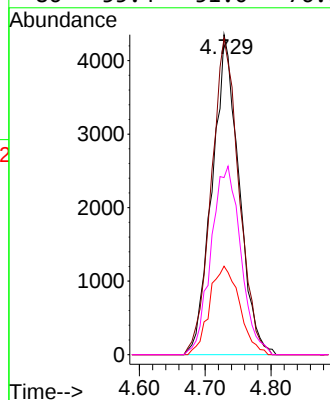
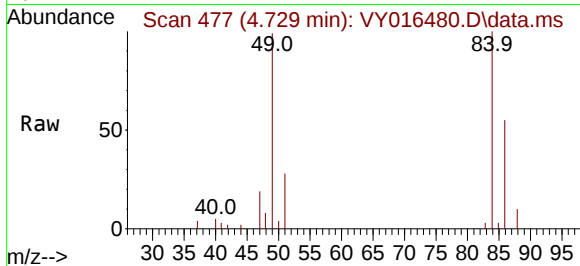




#20  
Methylene Chloride  
Concen: 8.531 ug/l  
RT: 4.729 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

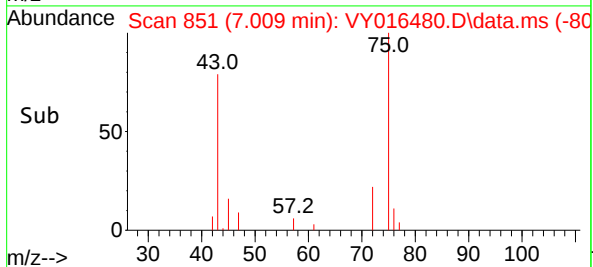
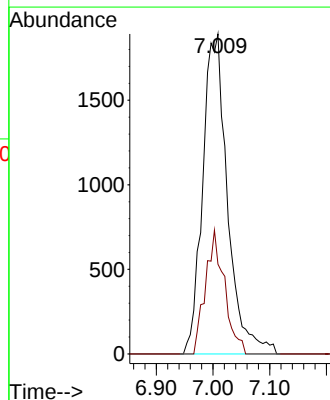
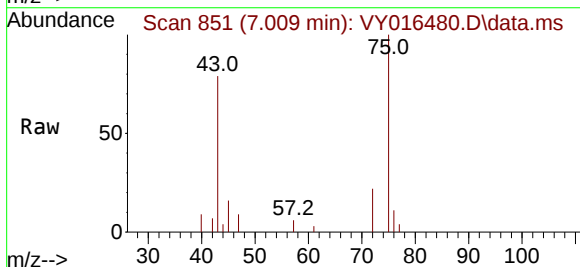
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9-VOC

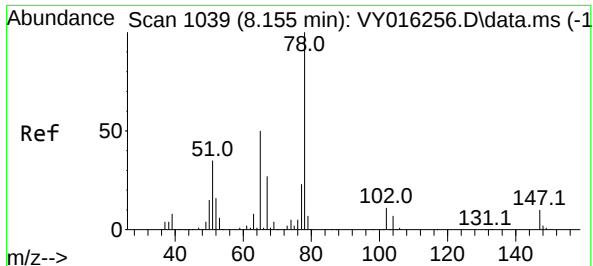
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 12333  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 98.9  | 106.9 | 160.3# |
| 51       | 27.6  | 33.2  | 49.8#  |
| 86       | 55.4  | 51.0  | 76.6   |



#25  
2-Butanone  
Concen: 21.510 ug/l  
RT: 7.009 min Scan# 851  
Delta R.T. 0.006 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5761  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 28.1  | 20.5  | 30.7  |





#33

1,2-Dichloroethane-d4

Concen: 66.429 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016480.D

Acq: 24 Nov 2023 13:31

Instrument :

MSVOA\_Y

ClientSampleId :

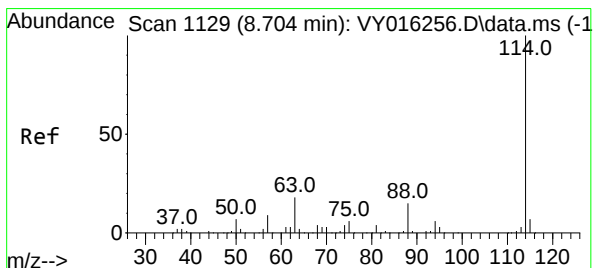
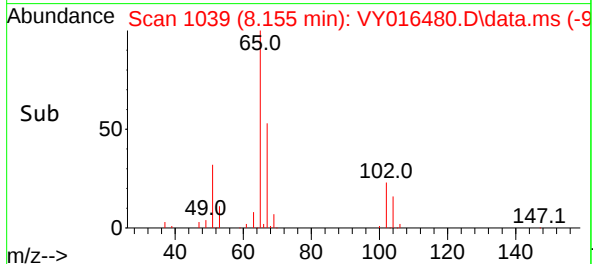
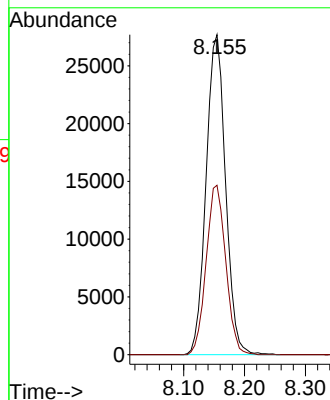
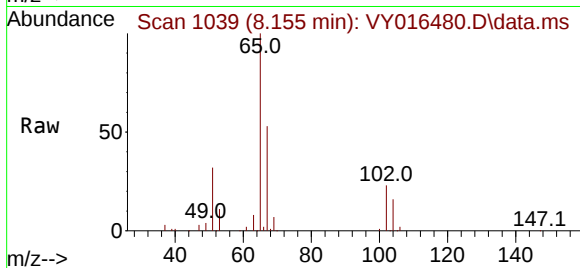
TP-9-VOC

Tgt Ion: 65 Resp: 61407

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016480.D

Acq: 24 Nov 2023 13:31

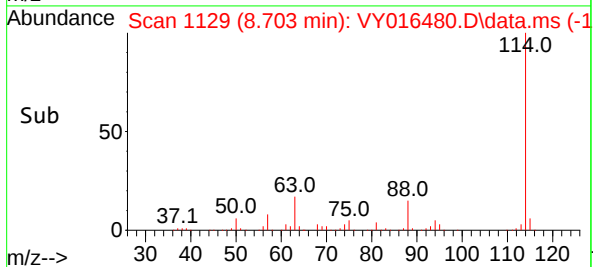
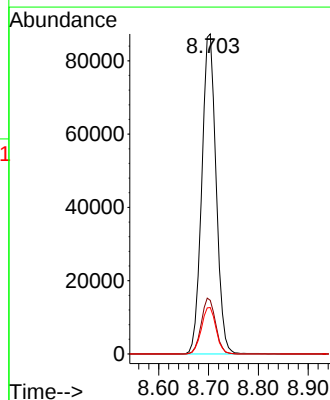
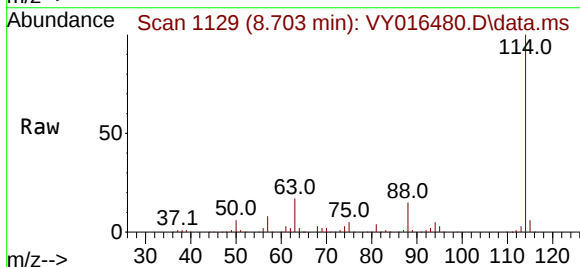
Tgt Ion: 114 Resp: 173842

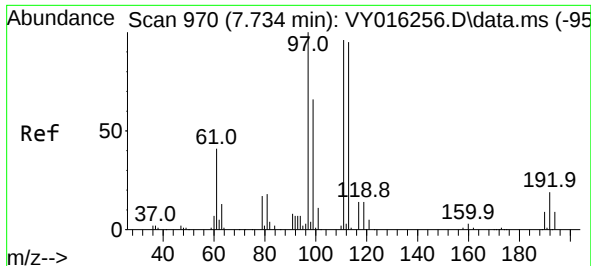
Ion Ratio Lower Upper

114 100

63 16.7 0.0 42.4

88 14.5 0.0 30.6

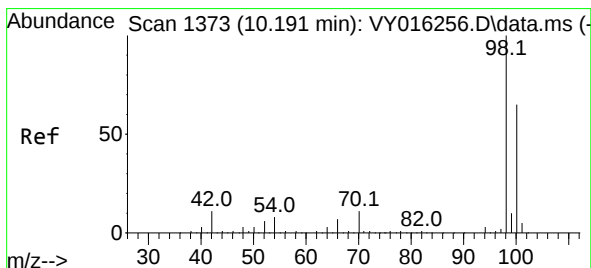
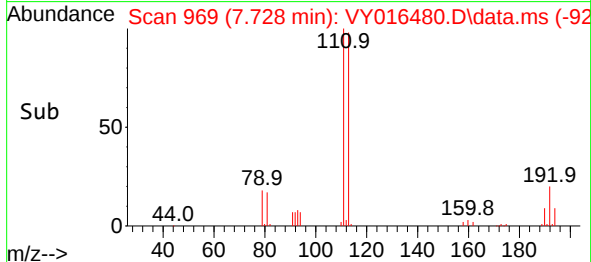
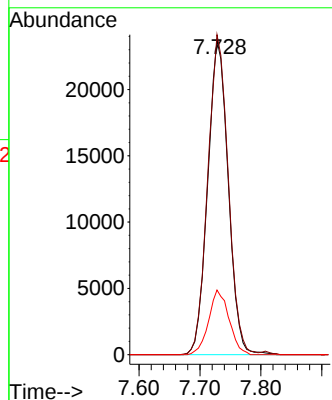
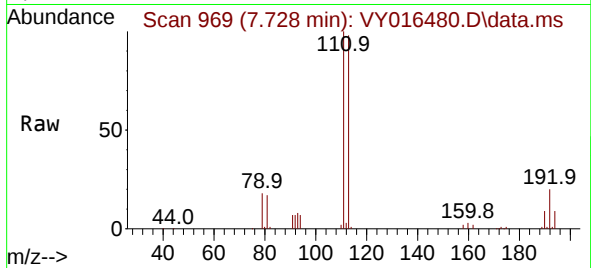




#35  
Dibromofluoromethane  
Concen: 56.197 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

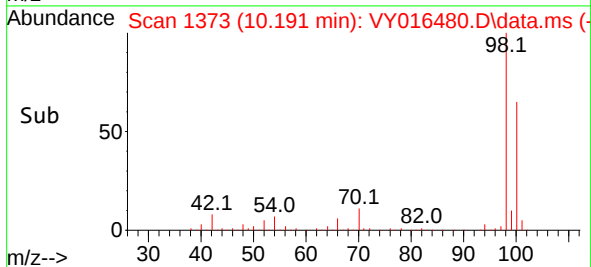
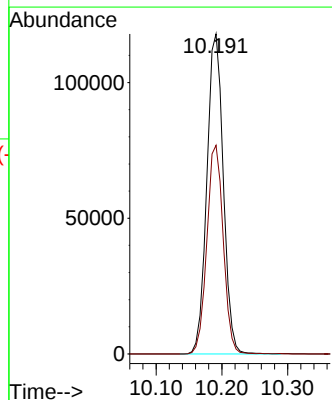
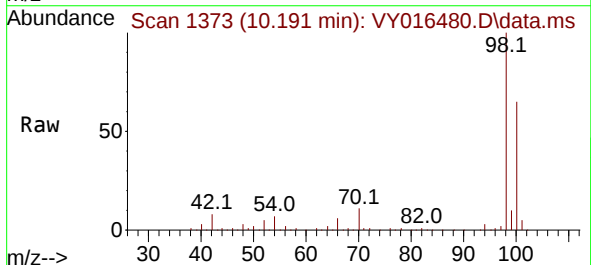
Instrument :  
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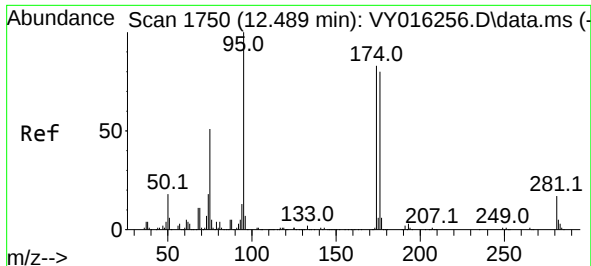
Tgt Ion:113 Resp: 55496  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.3 121.9  
192 20.4 16.9 25.3



#50  
Toluene-d8  
Concen: 51.130 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

Tgt Ion: 98 Resp: 204759  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.1 75.1

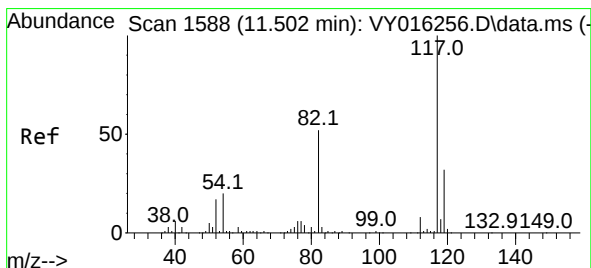
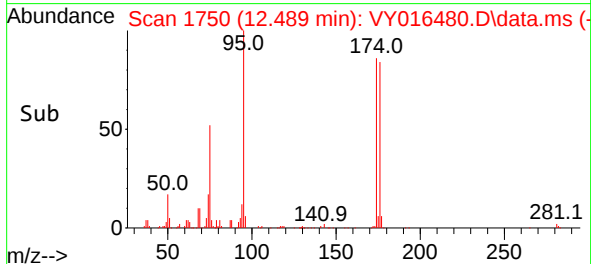
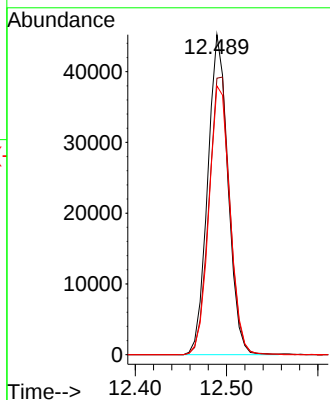
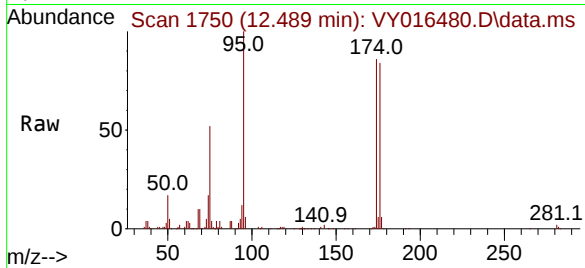




#62  
4-Bromofluorobenzene  
Concen: 53.487 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

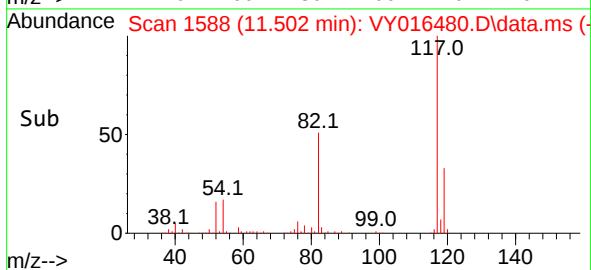
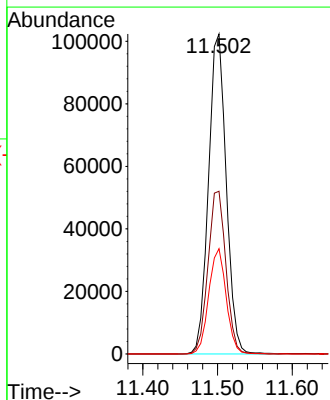
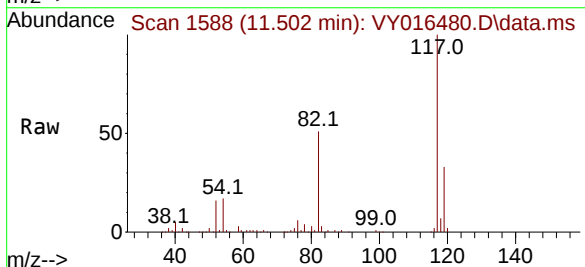
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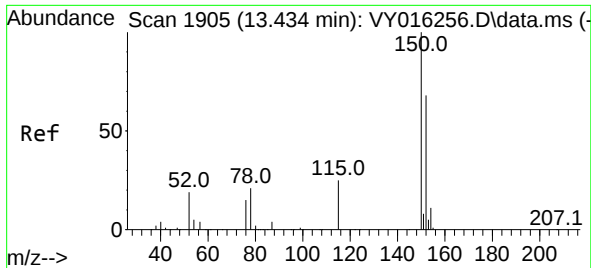
Tgt Ion: 95 Resp: 69568  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 178.2  
176 87.4 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016480.D  
Acq: 24 Nov 2023 13:31

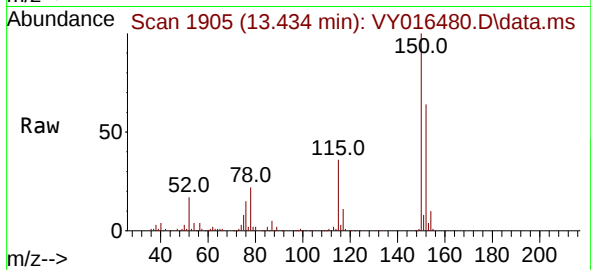
Tgt Ion: 117 Resp: 168717  
Ion Ratio Lower Upper  
117 100  
82 50.8 43.4 65.0  
119 32.9 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. -0.000 min  
 Lab File: VY016480.D  
 Acq: 24 Nov 2023 13:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 76470  
 Ion Ratio Lower Upper  
 152 100  
 115 57.4 28.8 86.5  
 150 157.0 0.0 348.8

