

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041025\  
 Data File : VY021836.D  
 Acq On : 10 Apr 2025 14:26  
 Operator : SY/MD  
 Sample : Q1744-03  
 Misc : 5.34g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-158-SB02

Quant Time: Apr 11 01:50:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

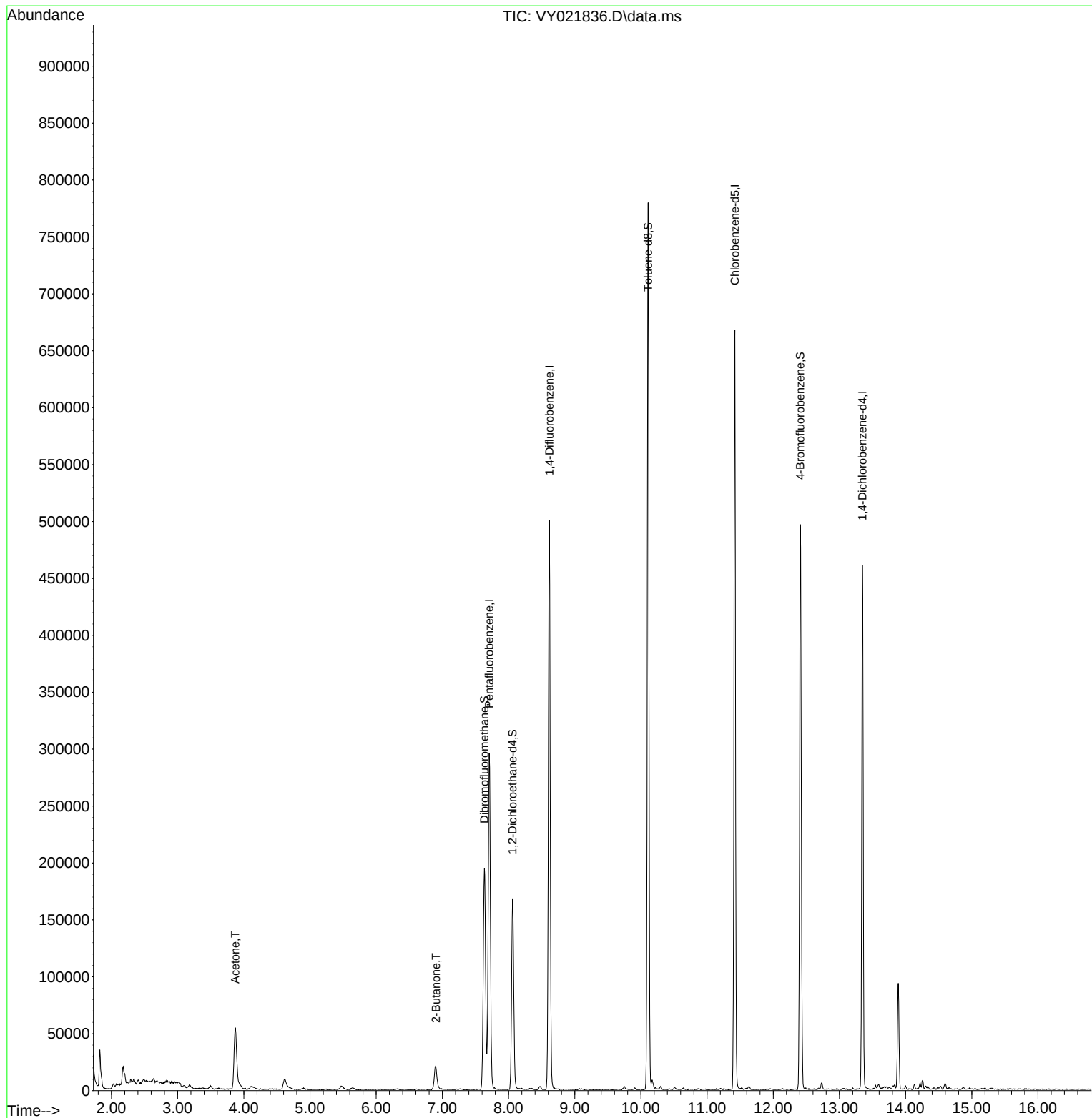
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 221830   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 407665   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 345604   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 111730   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 134386   | 55.913   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 111.820% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 139096   | 52.599   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 105.200% |
| 50) Toluene-d8              | 10.109 | 98    | 494435   | 49.147   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 98.300%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 127916   | 37.591   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 75.180%  |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 3.873  | 43    | 100429   | 204.168  | ug/l  | 98       |
| 25) 2-Butanone              | 6.902  | 43    | 35647    | 50.737   | ug/l  | 94       |
| -----                       |        |       |          |          |       |          |

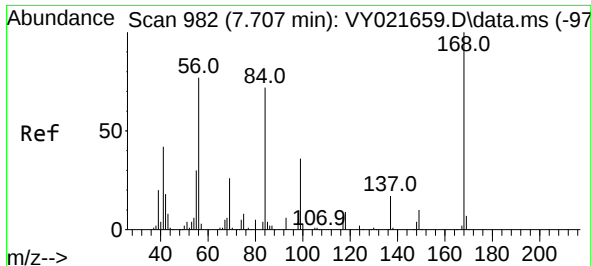
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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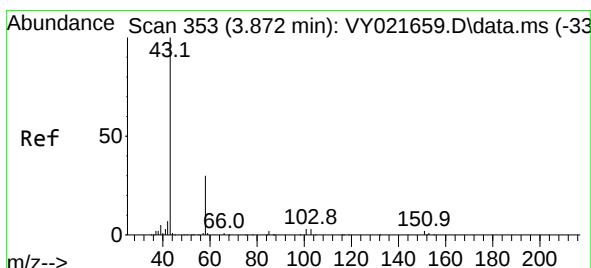
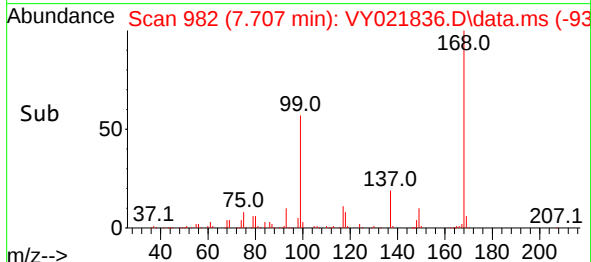
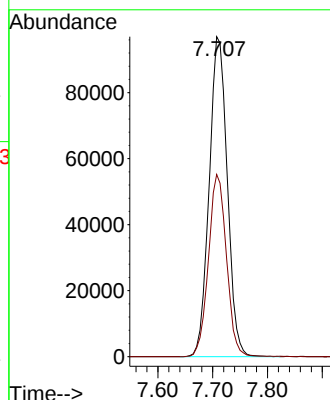
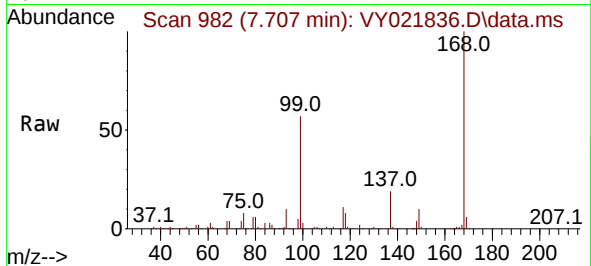




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

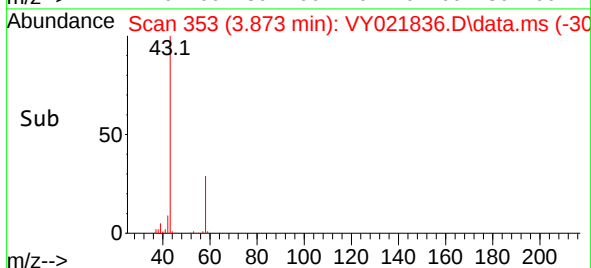
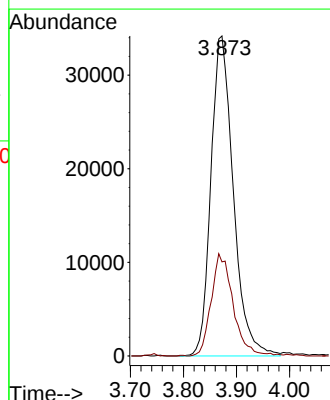
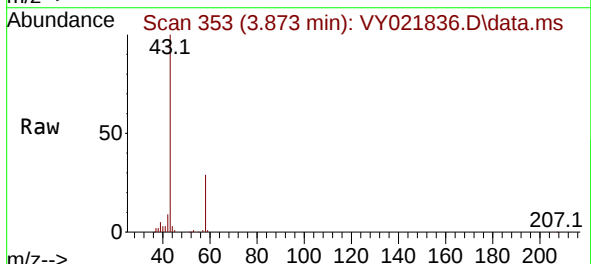
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-158-SB02

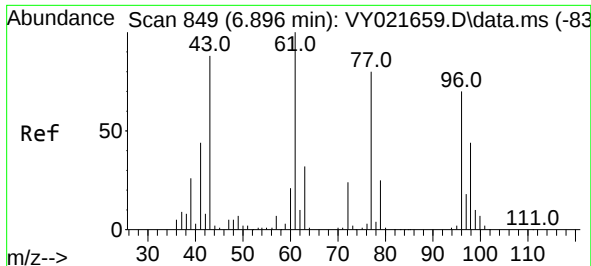
Tgt Ion:168 Resp: 221830  
Ion Ratio Lower Upper  
168 100  
99 56.9 46.7 70.1



#16  
Acetone  
Concen: 204.168 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

Tgt Ion: 43 Resp: 100429  
Ion Ratio Lower Upper  
43 100  
58 29.2 24.2 36.4





#25

2-Butanone

Concen: 50.737 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

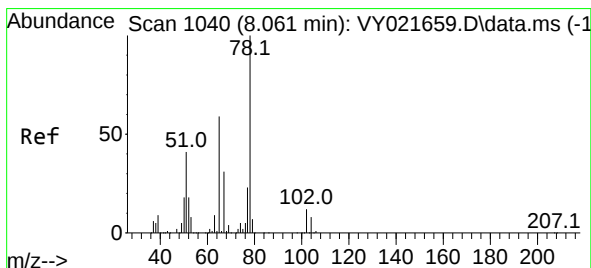
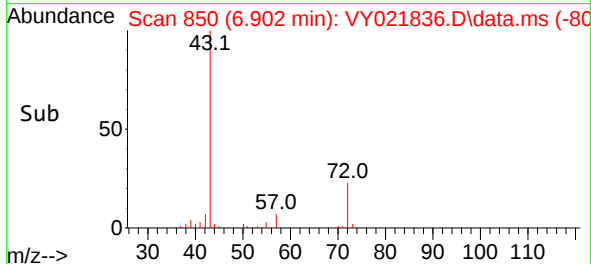
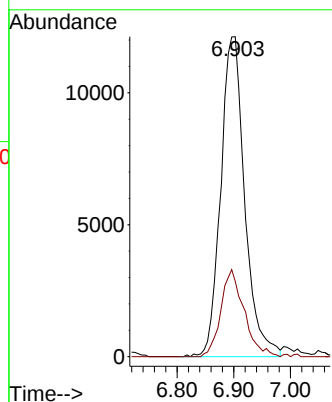
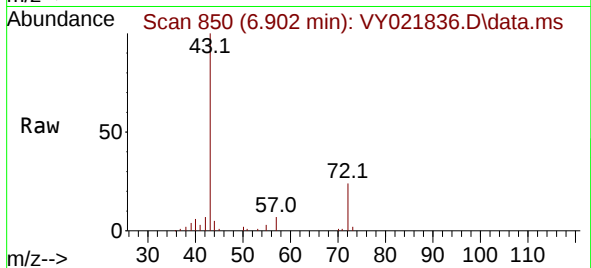
B-158-SB02

Tgt Ion: 43 Resp: 35647

Ion Ratio Lower Upper

43 100

72 23.5 21.4 32.2



#33

1,2-Dichloroethane-d4

Concen: 55.913 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021836.D

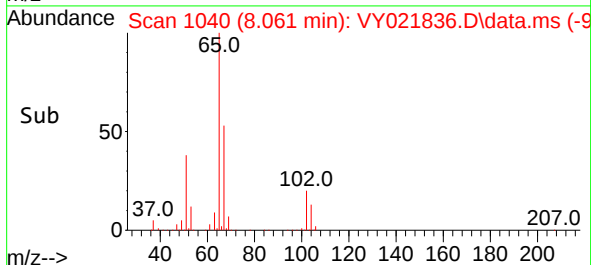
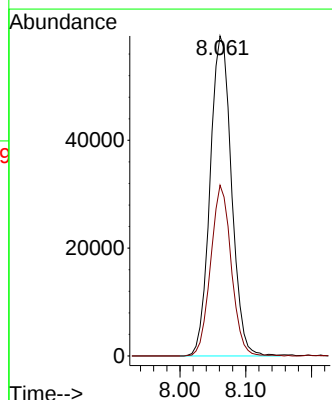
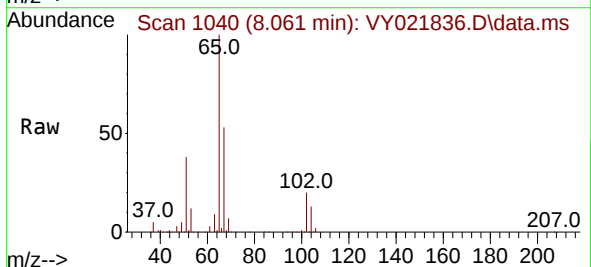
Acq: 10 Apr 2025 14:26

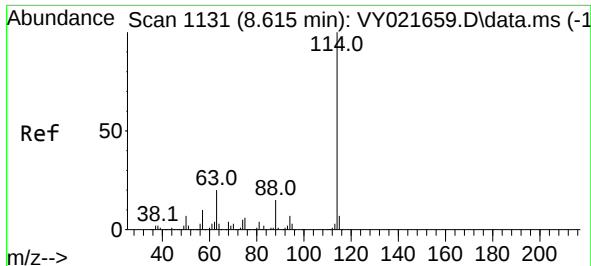
Tgt Ion: 65 Resp: 134386

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6

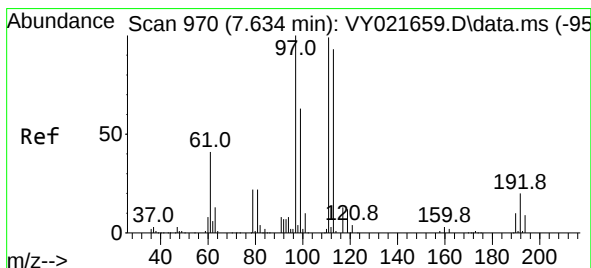
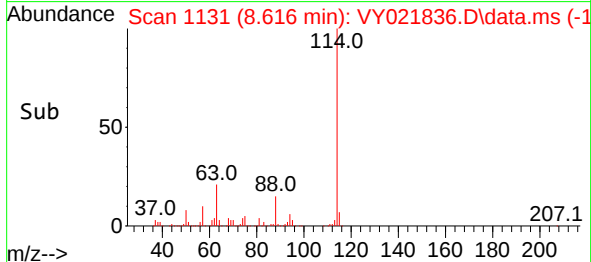
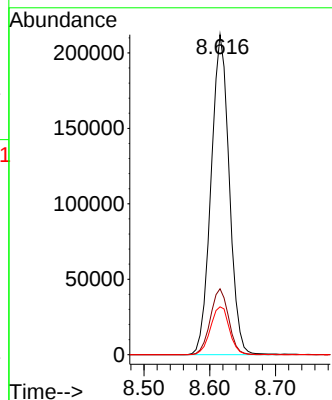
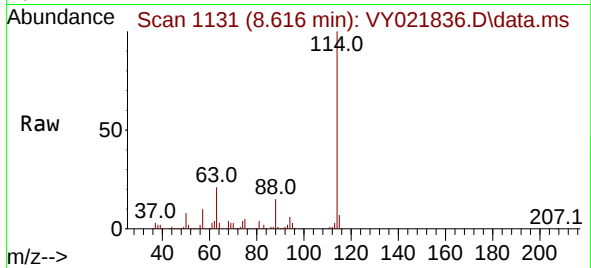




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

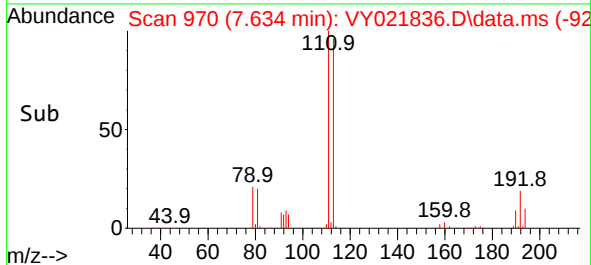
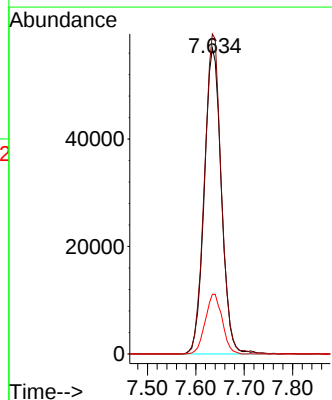
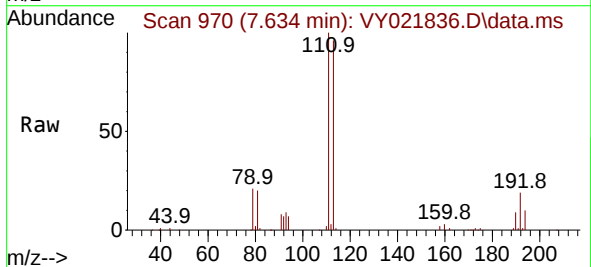
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B-158-SB02

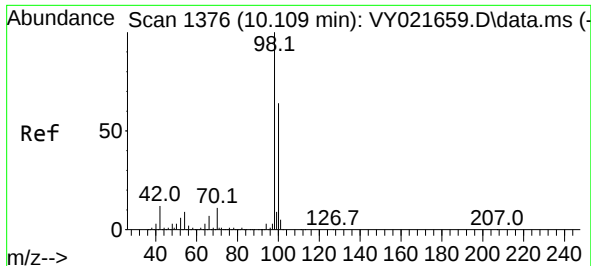
Tgt Ion:114 Resp: 407665  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 40.2  
88 15.0 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 52.599 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

Tgt Ion:113 Resp: 139096  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.6 123.8  
192 19.5 16.2 24.4

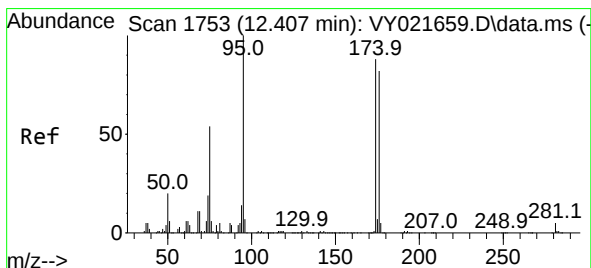
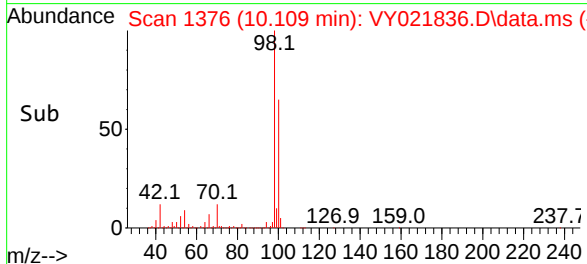
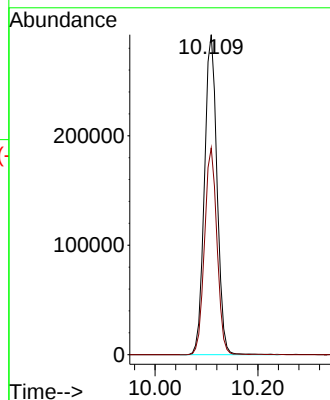
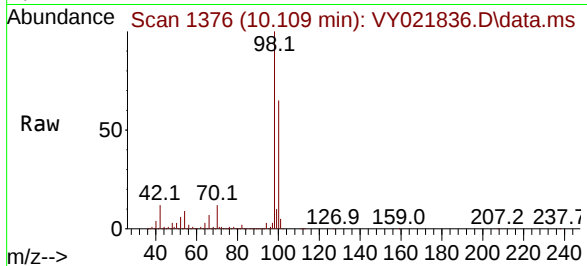




#50  
Toluene-d8  
Concen: 49.147 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

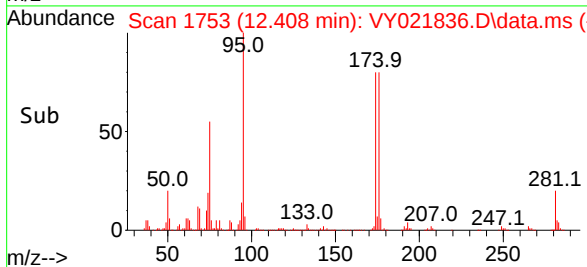
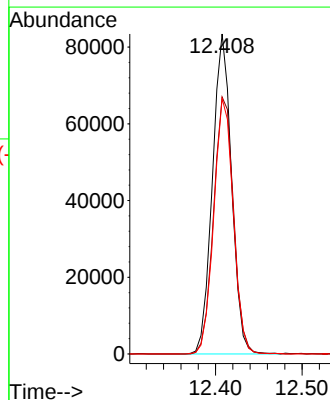
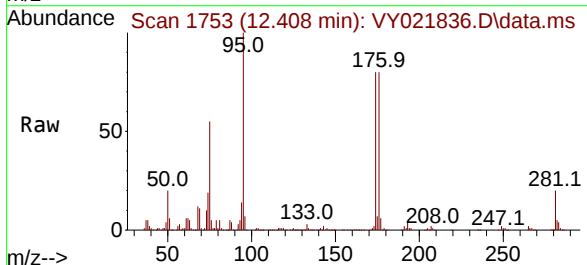
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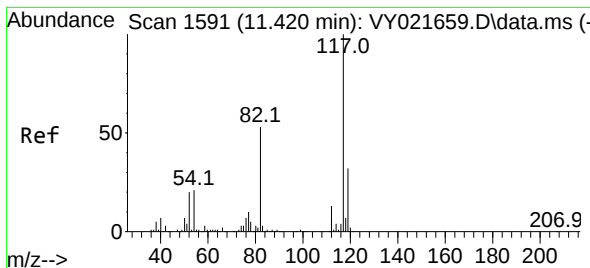
Tgt Ion: 98 Resp: 494435  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 37.591 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021836.D  
Acq: 10 Apr 2025 14:26

Tgt Ion: 95 Resp: 127916  
Ion Ratio Lower Upper  
95 100  
174 83.9 0.0 170.8  
176 81.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Instrument :

MSVOA\_Y

ClientSampleId :

B-158-SB02

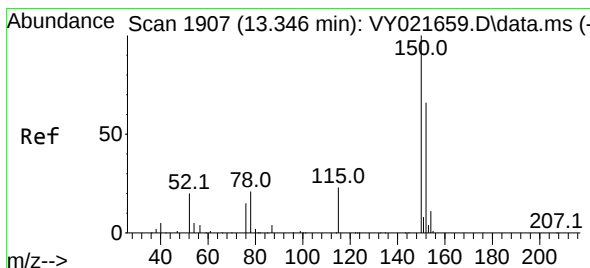
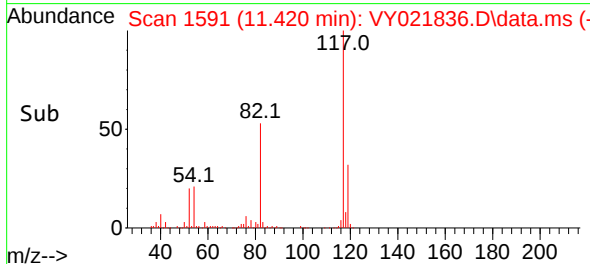
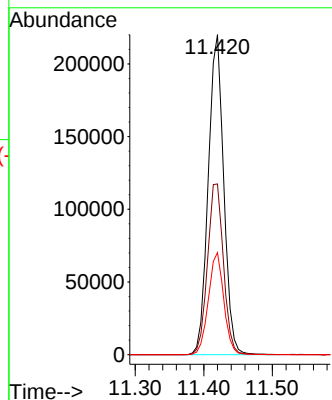
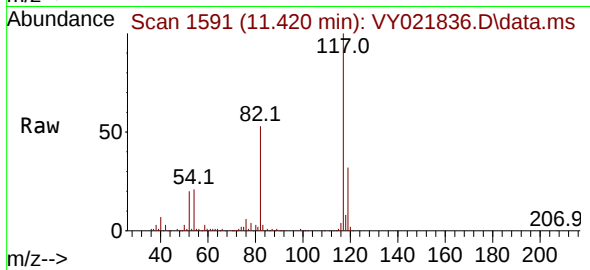
Tgt Ion:117 Resp: 345604

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021836.D

Acq: 10 Apr 2025 14:26

Tgt Ion:152 Resp: 111730

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 157.0 0.0 348.4

