

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY043025\  
 Data File : VY022090.D  
 Acq On : 30 Apr 2025 18:16  
 Operator : SY/MD  
 Sample : Q1901-05  
 Misc : 5.52g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-170-SB02

Quant Time: May 01 01:39:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

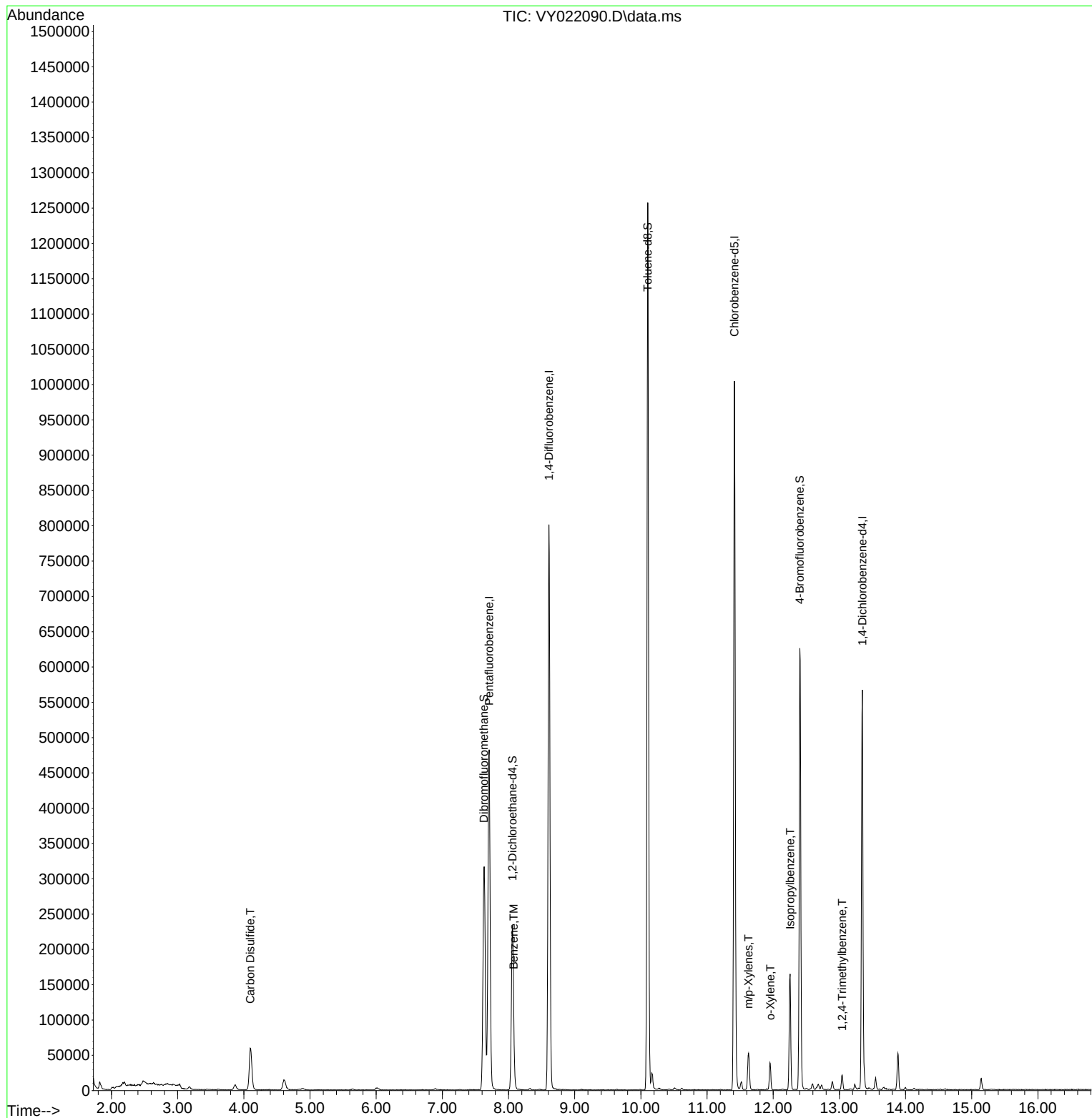
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 384809   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.610  | 114   | 709625   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 563942   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 150773   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 176326   | 49.608   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 99.220%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 233310   | 49.766   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.540%  |
| 50) Toluene-d8              | 10.103 | 98    | 825206   | 46.689   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 93.380%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 196123   | 32.962   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 65.920%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 17) Carbon Disulfide        | 4.098  | 76    | 126155   | 10.343   | ug/l   | 98       |
| 40) Benzene                 | 8.079  | 78    | 25594    | 1.300    | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.627 | 106   | 14972    | 1.824    | ug/l   | 96       |
| 69) o-Xylene                | 11.957 | 106   | 10754    | 1.421    | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.255 | 105   | 101940   | 10.120   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.042 | 105   | 10477    | 1.262    | ug/l   | 88       |
| -----                       |        |       |          |          |        |          |

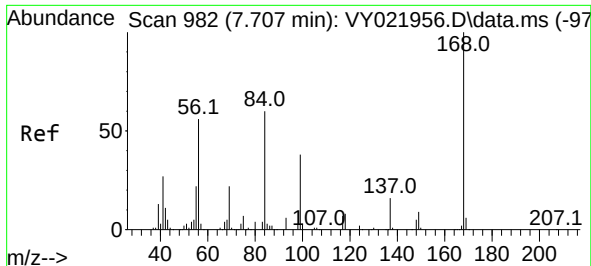
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY043025\  
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MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
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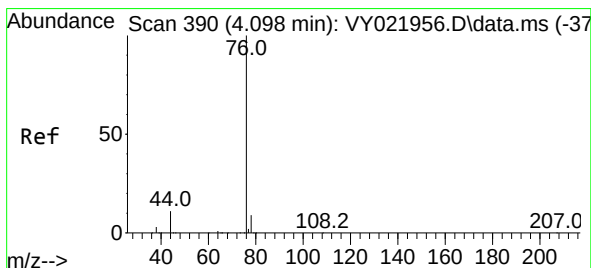
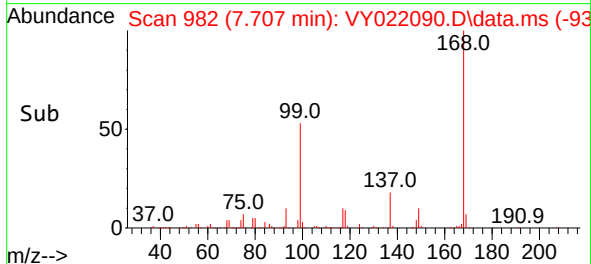
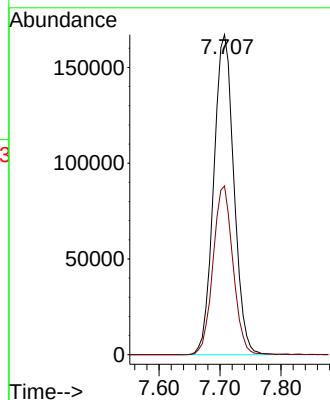
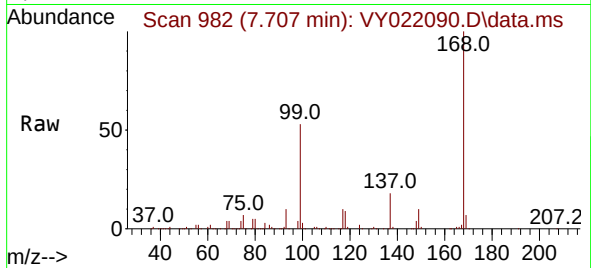




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

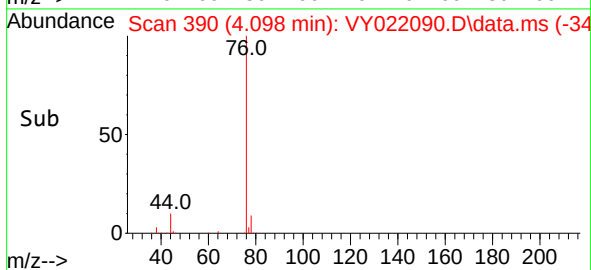
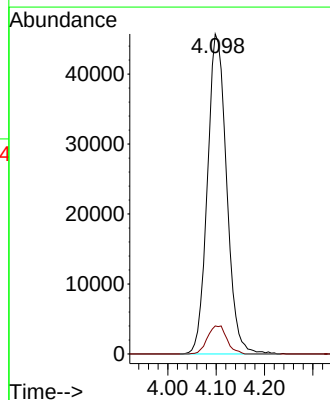
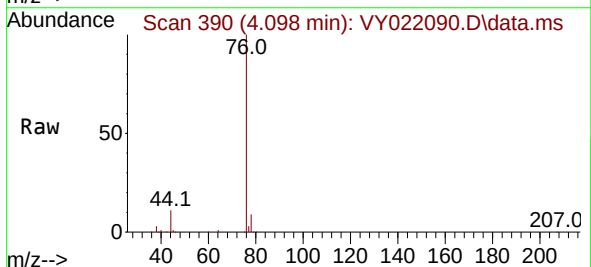
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MSVOA\_Y  
ClientSampleId :  
B-170-SB02

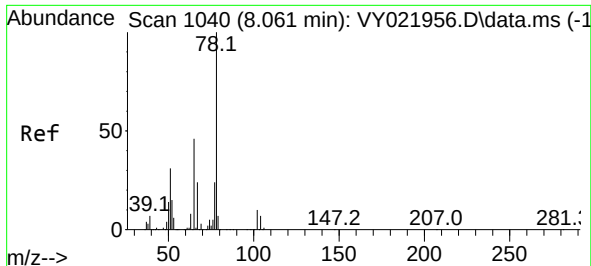
Tgt Ion:168 Resp: 384809  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.1 64.7



#17  
Carbon Disulfide  
Concen: 10.343 ug/l  
RT: 4.098 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

Tgt Ion: 76 Resp: 126155  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.6 11.4





#33

1,2-Dichloroethane-d4

Concen: 49.608 ug/l

RT: 8.061 min Scan# 1100

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA\_Y

ClientSampleId :

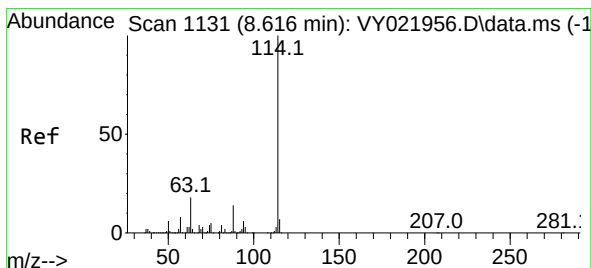
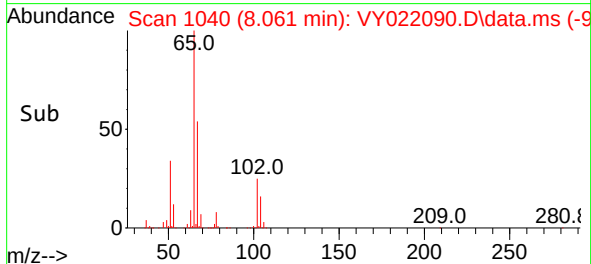
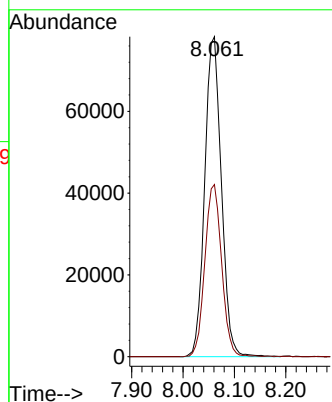
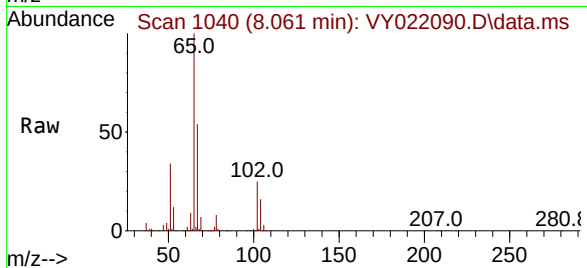
B-170-SB02

Tgt Ion: 65 Resp: 176326

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

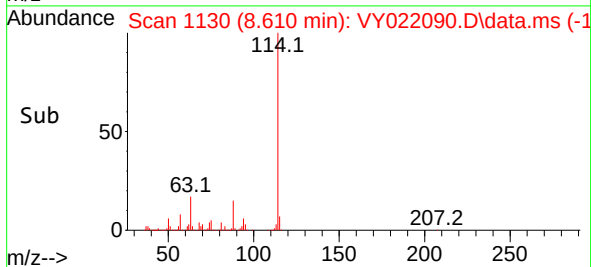
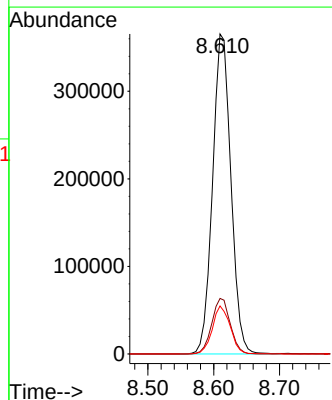
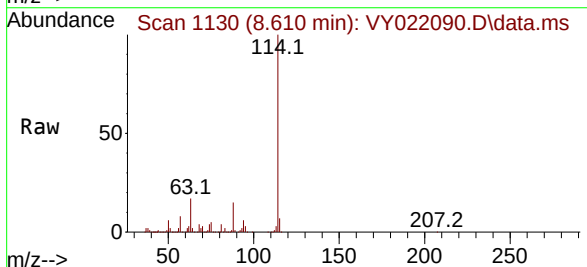
Tgt Ion: 114 Resp: 709625

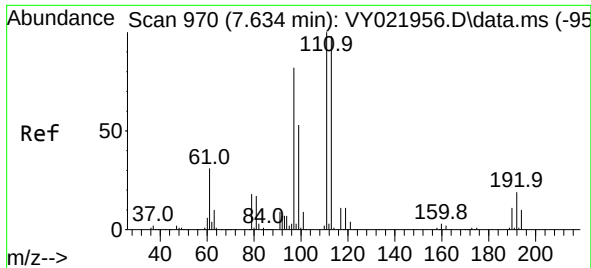
Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 15.0 0.0 28.2

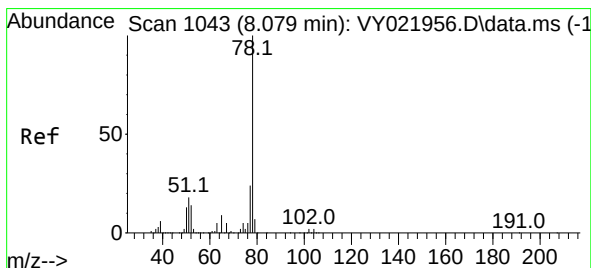
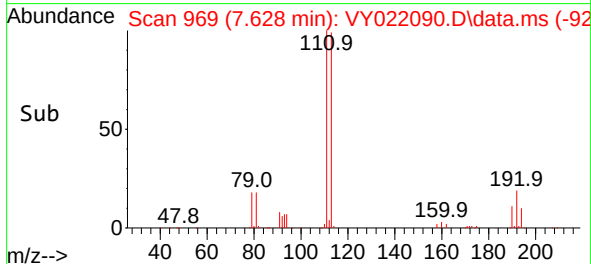
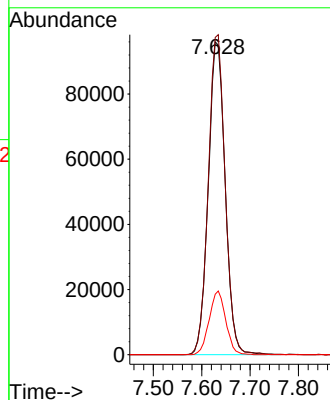
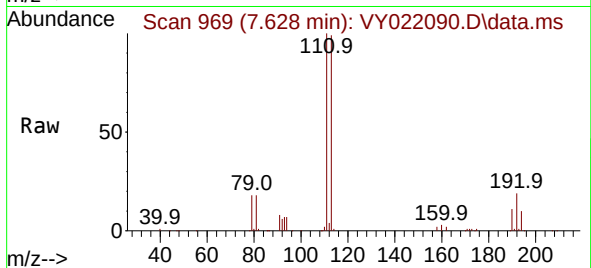




#35  
 Dibromofluoromethane  
 Concen: 49.766 ug/l  
 RT: 7.628 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VY022090.D  
 Acq: 30 Apr 2025 18:16

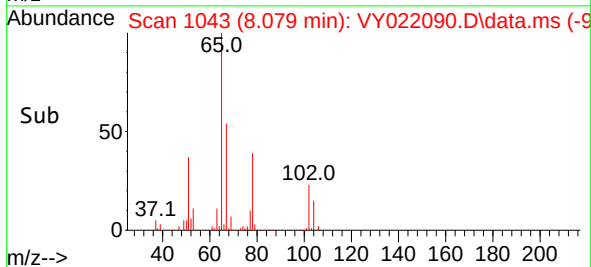
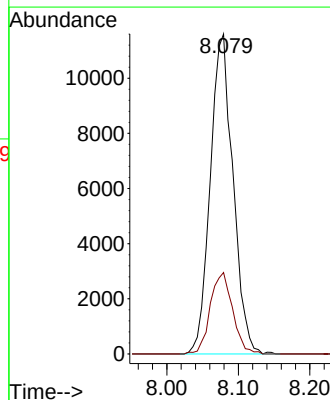
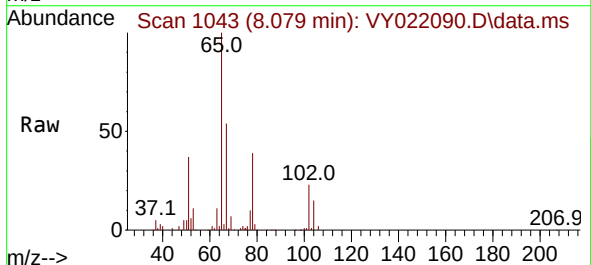
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-170-SB02

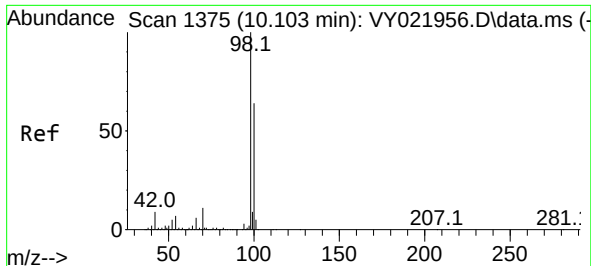
Tgt Ion:113 Resp: 233310  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 81.8 122.8  
 192 19.9 15.6 23.4



#40  
 Benzene  
 Concen: 1.300 ug/l  
 RT: 8.079 min Scan# 1043  
 Delta R.T. -0.000 min  
 Lab File: VY022090.D  
 Acq: 30 Apr 2025 18:16

Tgt Ion: 78 Resp: 25594  
 Ion Ratio Lower Upper  
 78 100  
 77 25.4 19.3 28.9

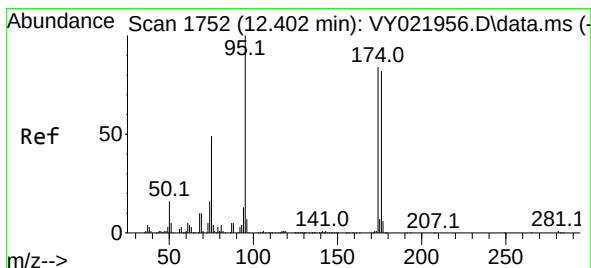
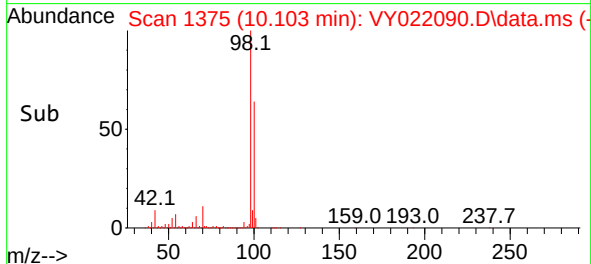
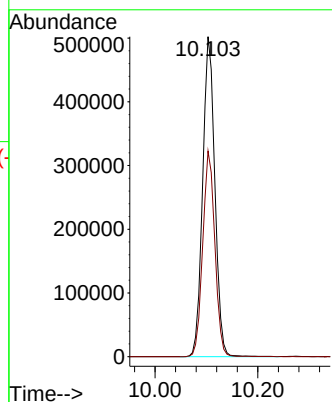
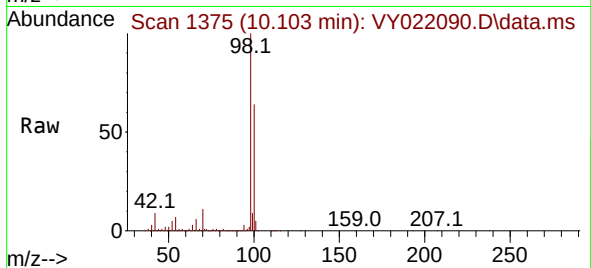




#50  
Toluene-d8  
Concen: 46.689 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

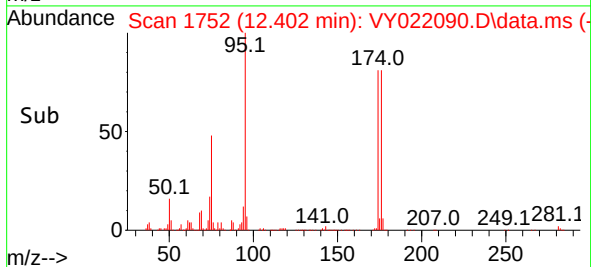
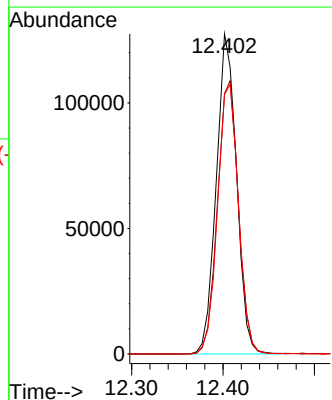
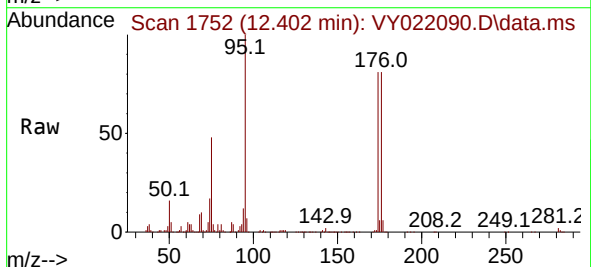
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-170-SB02

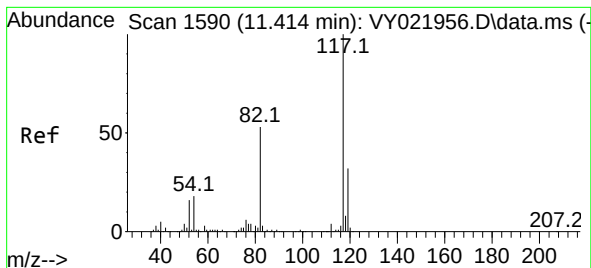
Tgt Ion: 98 Resp: 825206  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 32.962 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

Tgt Ion: 95 Resp: 196123  
Ion Ratio Lower Upper  
95 100  
174 88.1 0.0 179.0  
176 86.9 0.0 171.8

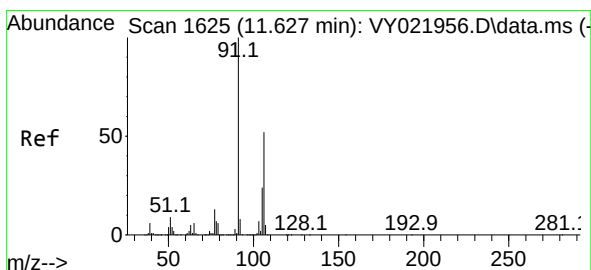
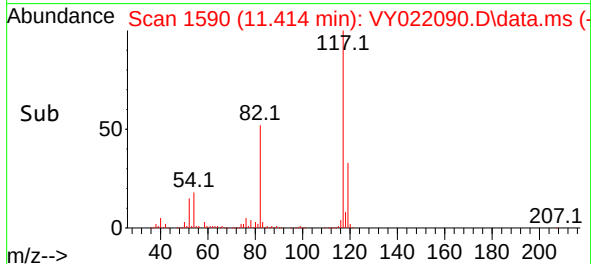
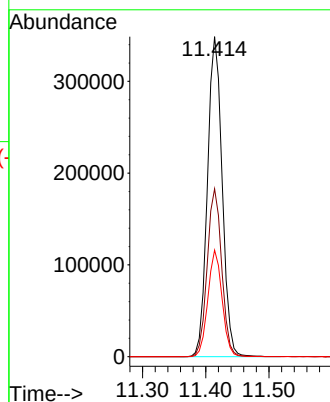
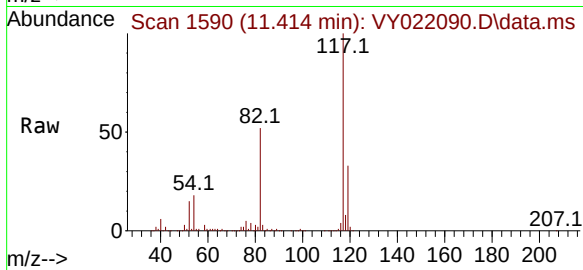




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

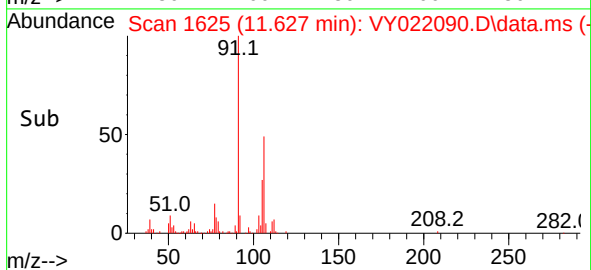
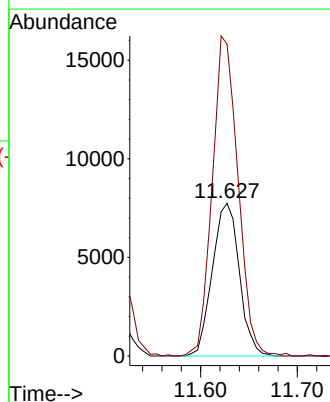
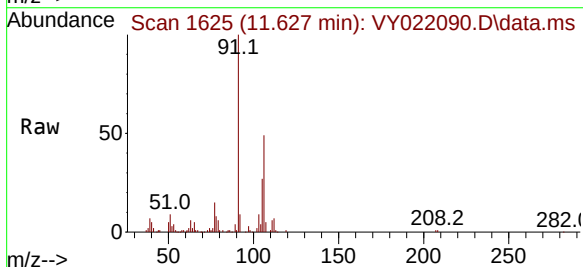
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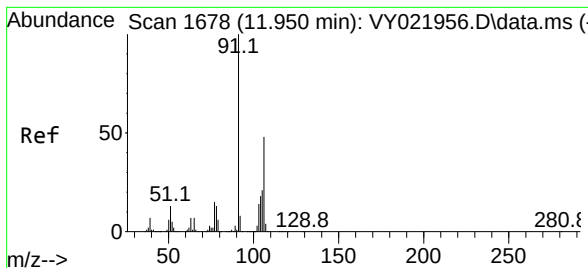
Tgt Ion:117 Resp: 563942  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.1 63.1  
119 33.3 25.7 38.5



#68  
m/p-Xylenes  
Concen: 1.824 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. -0.000 min  
Lab File: VY022090.D  
Acq: 30 Apr 2025 18:16

Tgt Ion:106 Resp: 14972  
Ion Ratio Lower Upper  
106 100  
91 200.6 156.2 234.2





#69

o-Xylene

Concen: 1.421 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA\_Y

ClientSampleId :

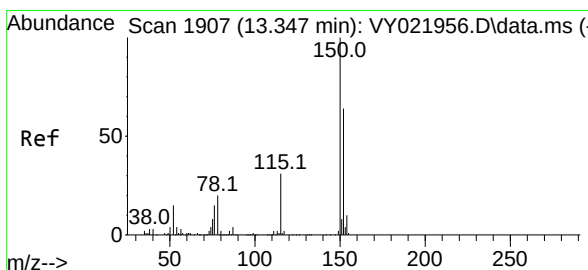
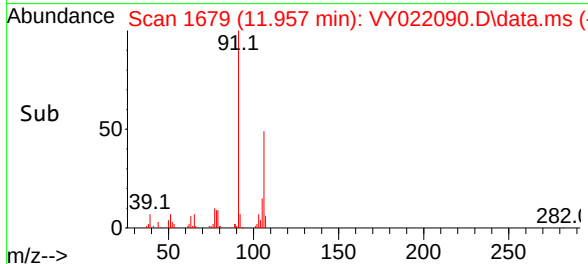
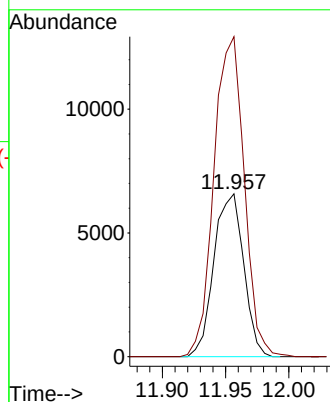
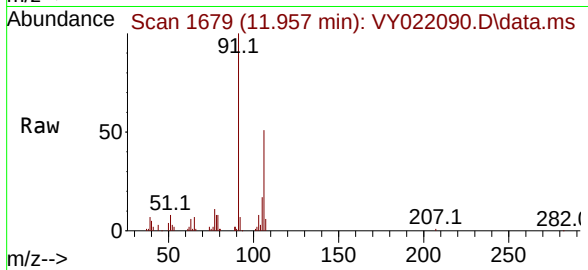
B-170-SB02

Tgt Ion:106 Resp: 10754

Ion Ratio Lower Upper

106 100

91 200.2 103.0 308.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

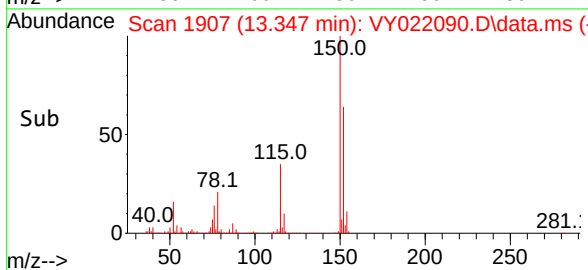
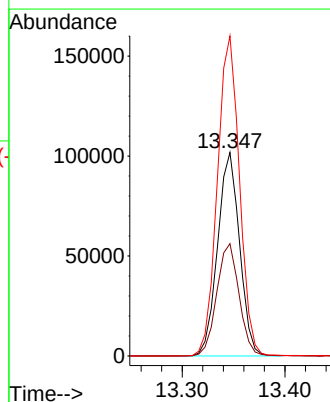
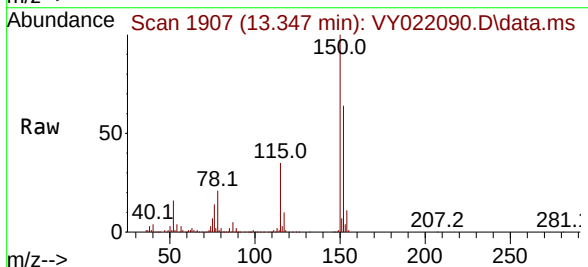
Tgt Ion:152 Resp: 150773

Ion Ratio Lower Upper

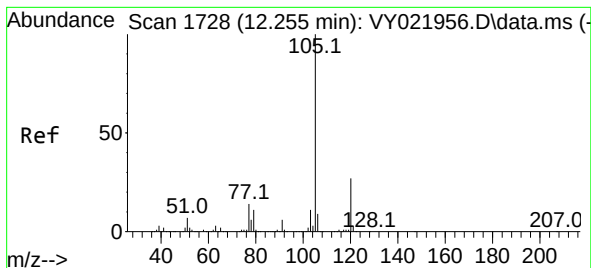
152 100

115 56.3 28.0 84.0

150 158.4 0.0 345.6







#73

Isopropylbenzene

Concen: 10.120 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Instrument :

MSVOA\_Y

ClientSampleId :

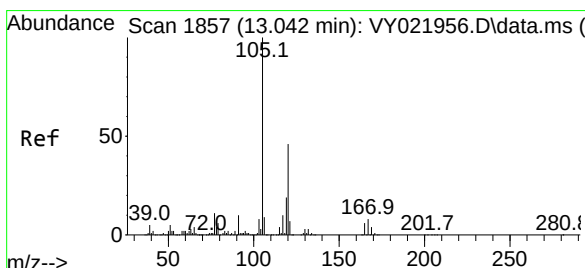
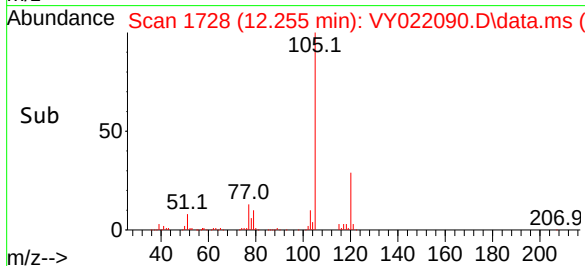
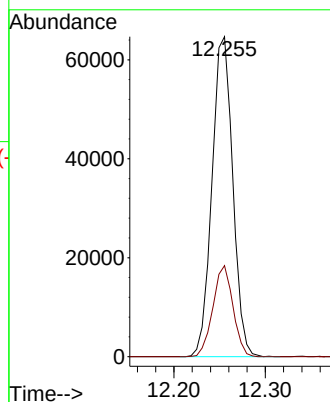
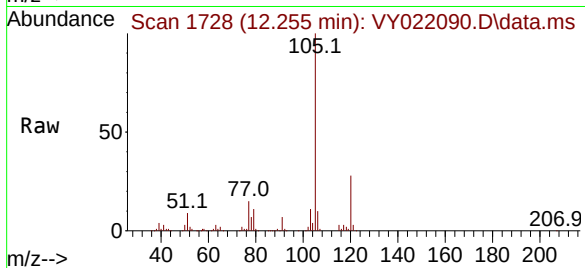
B-170-SB02

Tgt Ion:105 Resp: 101940

Ion Ratio Lower Upper

105 100

120 27.5 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 1.262 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022090.D

Acq: 30 Apr 2025 18:16

Tgt Ion:105 Resp: 10477

Ion Ratio Lower Upper

105 100

120 54.6 23.4 70.0

