

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082525\  
 Data File : VY023207.D  
 Acq On : 25 Aug 2025 12:36  
 Operator : SY/MD  
 Sample : Q2926-01RE  
 Misc : 5.44g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-08212025RE

Quant Time: Aug 25 23:49:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

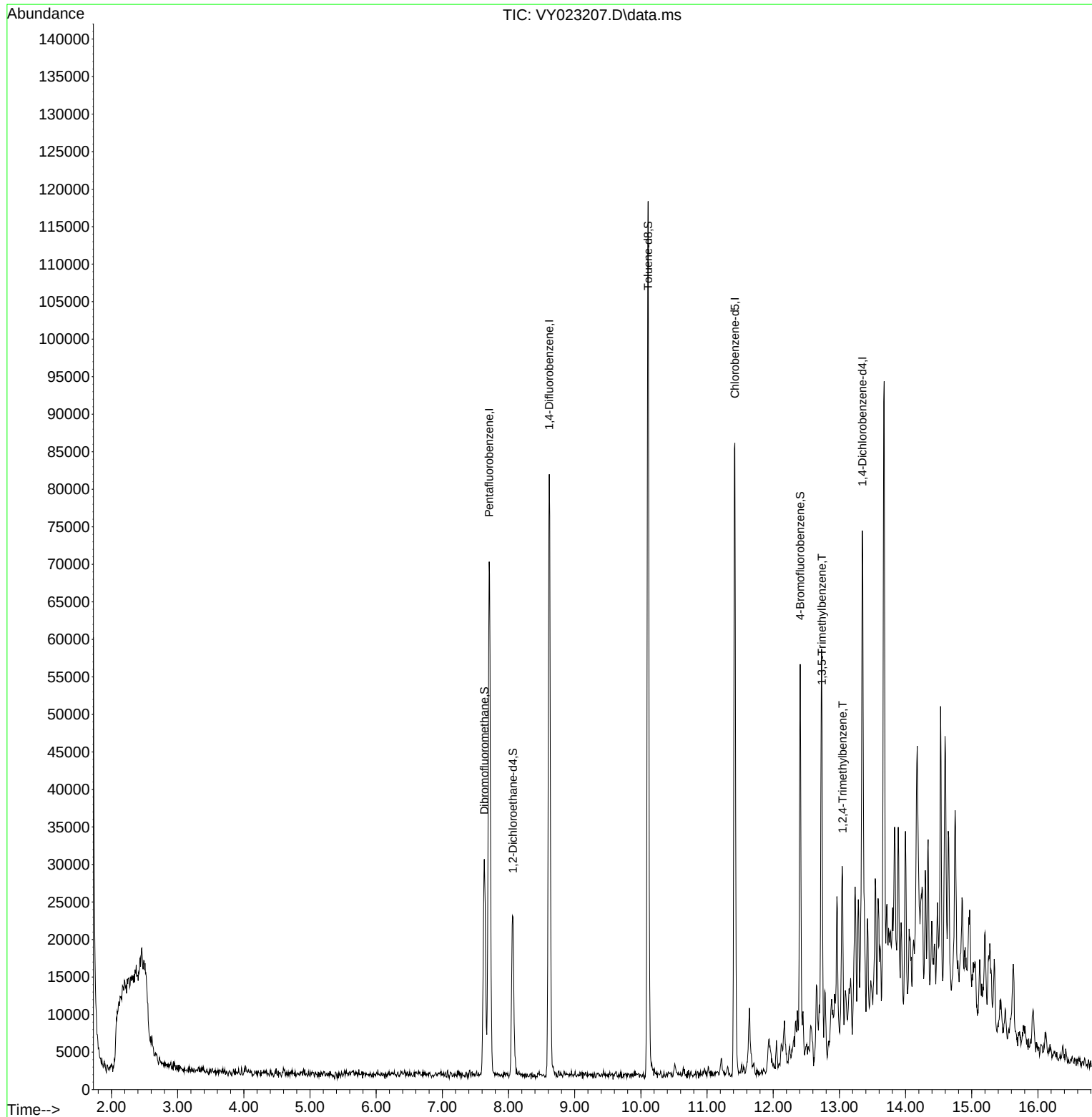
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 56335    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 71733    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 47813    | 50.000   | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 14420    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 17509    | 32.611   | ug/l  | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 65.220%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 20706    | 48.240   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 96.480%  |
| 50) Toluene-d8              | 10.109 | 98    | 79230    | 47.250   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 94.500%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 15436    | 28.624   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 57.240%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 80) 1,3,5-Trimethylbenzene  | 12.737 | 105   | 4135     | 5.027    | ug/l  | 92       |
| 84) 1,2,4-Trimethylbenzene  | 13.048 | 105   | 11229    | 13.714   | ug/l  | 91       |
| -----                       |        |       |          |          |       |          |

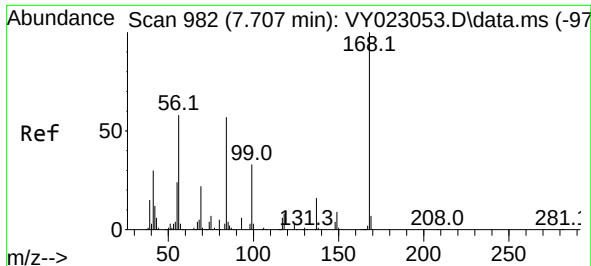
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

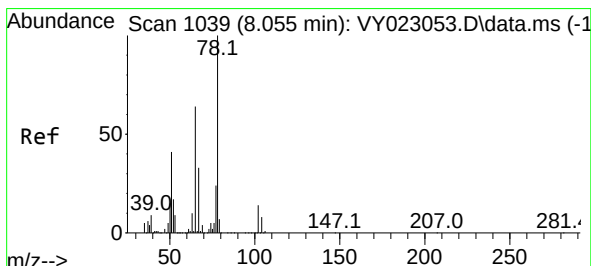
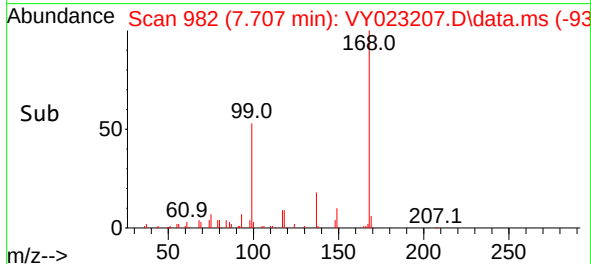
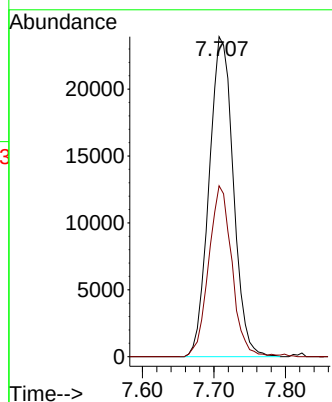
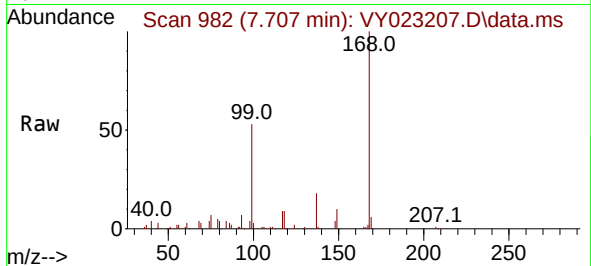




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

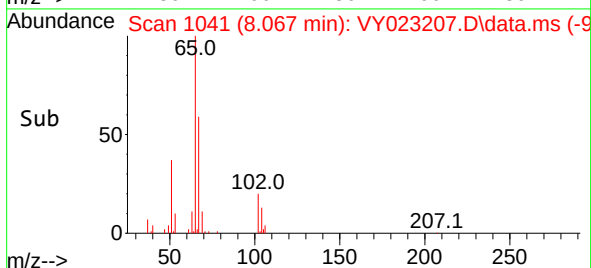
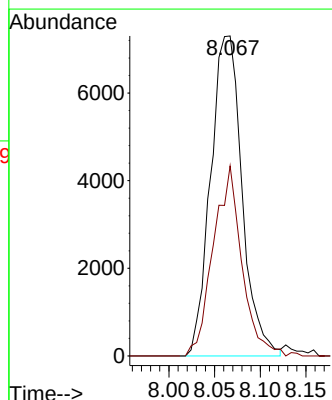
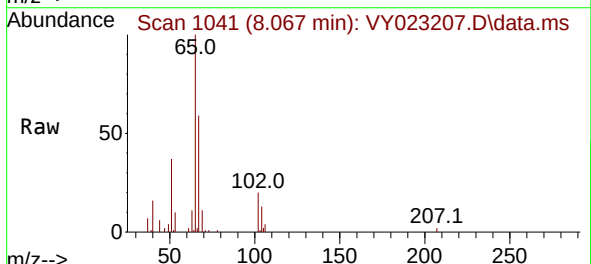
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-08212025RE

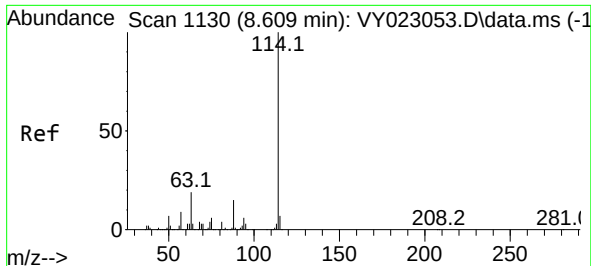
Tgt Ion:168 Resp: 56335  
Ion Ratio Lower Upper  
168 100  
99 53.4 42.8 64.2



#33  
1,2-Dichloroethane-d4  
Concen: 32.611 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.012 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

Tgt Ion: 65 Resp: 17509  
Ion Ratio Lower Upper  
65 100  
67 54.1 0.0 106.8

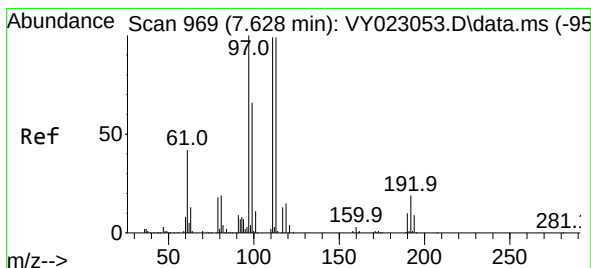
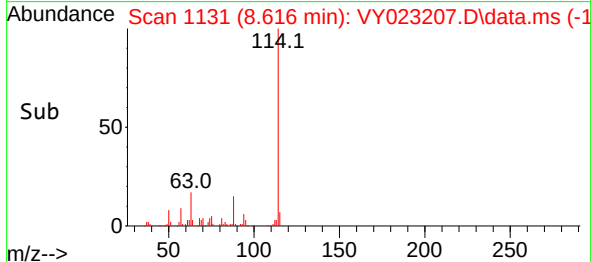
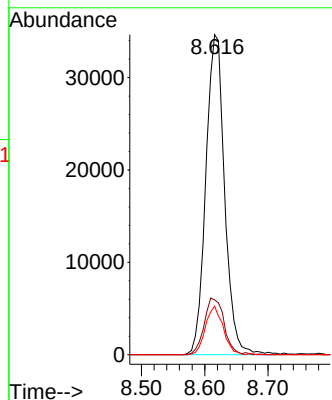
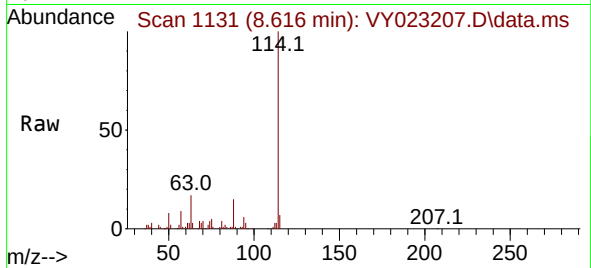




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

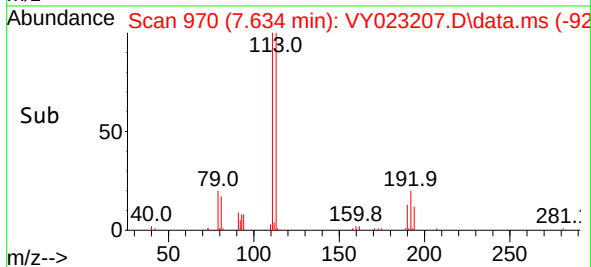
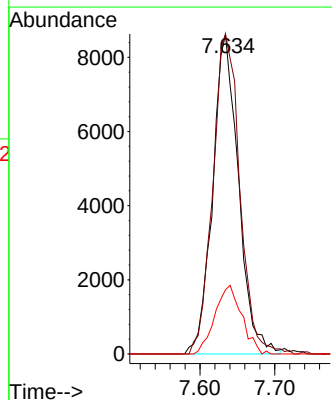
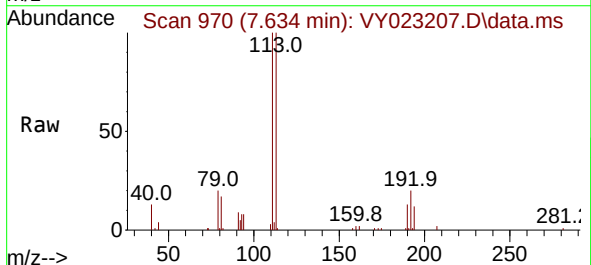
Instrument :  
MSVOA\_Y  
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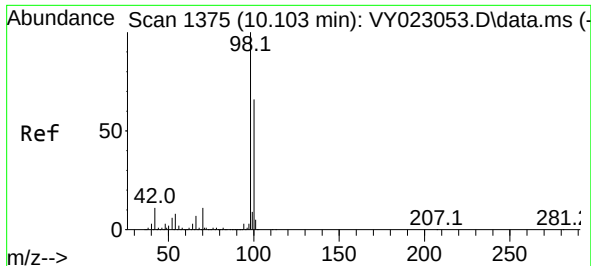
Tgt Ion:114 Resp: 71733  
Ion Ratio Lower Upper  
114 100  
63 17.1 0.0 38.4  
88 15.2 0.0 30.0



#35  
Dibromofluoromethane  
Concen: 48.240 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

Tgt Ion:113 Resp: 20706  
Ion Ratio Lower Upper  
113 100  
111 104.6 81.1 121.7  
192 22.4 16.2 24.4

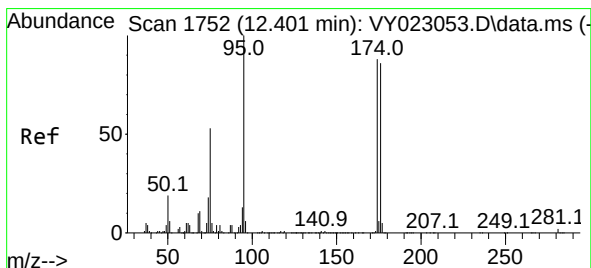
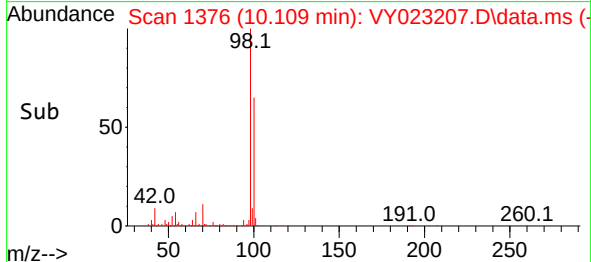
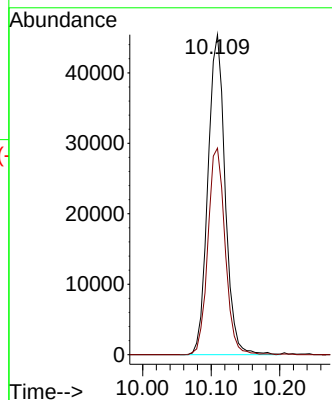
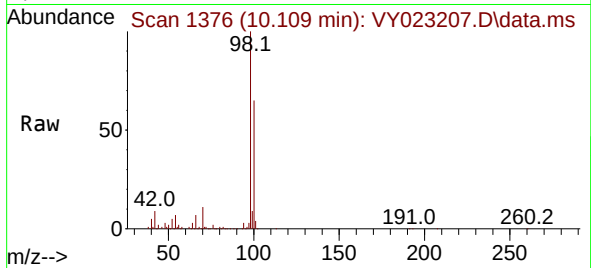




#50  
Toluene-d8  
Concen: 47.250 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

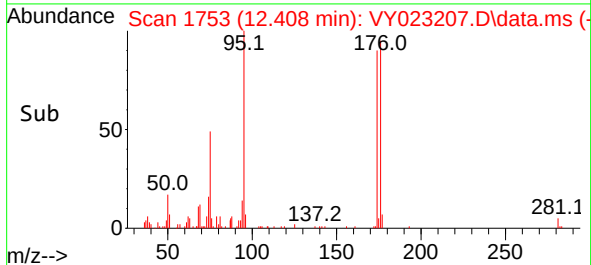
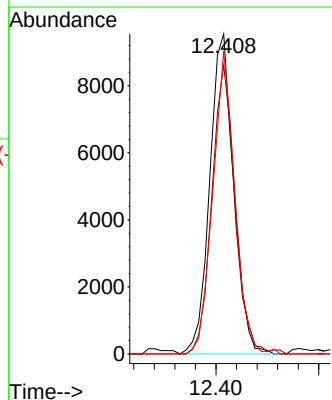
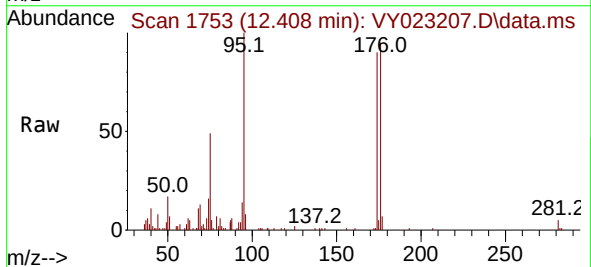
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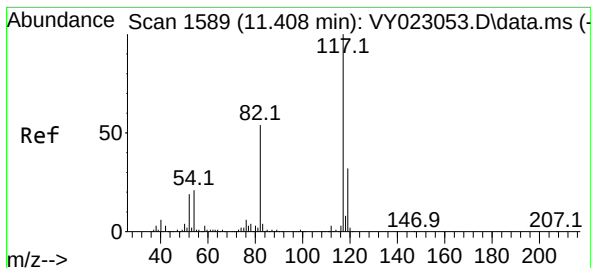
Tgt Ion: 98 Resp: 79230  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 28.624 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023207.D  
Acq: 25 Aug 2025 12:36

Tgt Ion: 95 Resp: 15436  
Ion Ratio Lower Upper  
95 100  
174 86.9 0.0 171.6  
176 87.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023207.D

Acq: 25 Aug 2025 12:36

Instrument :

MSVOA\_Y

ClientSampleId :

TR-04-08212025RE

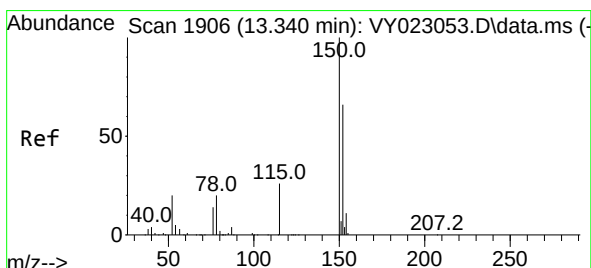
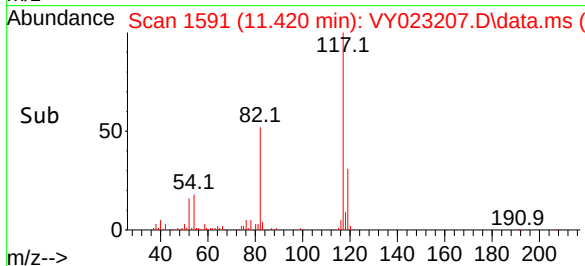
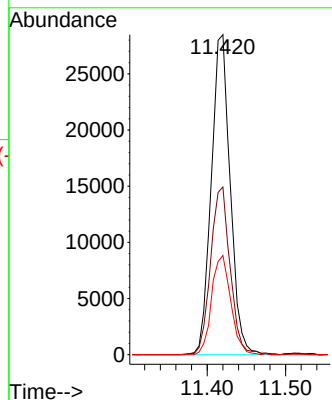
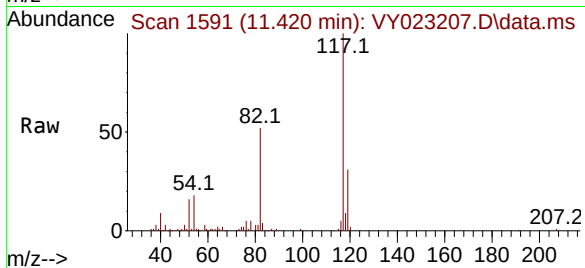
Tgt Ion:117 Resp: 47813

Ion Ratio Lower Upper

117 100

82 52.4 43.4 65.0

119 31.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023207.D

Acq: 25 Aug 2025 12:36

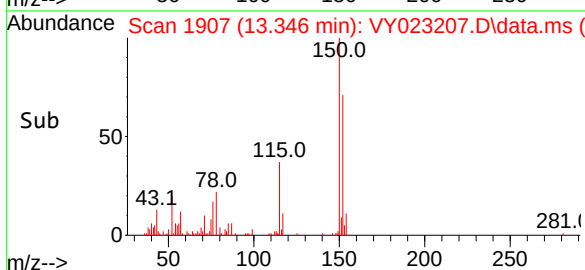
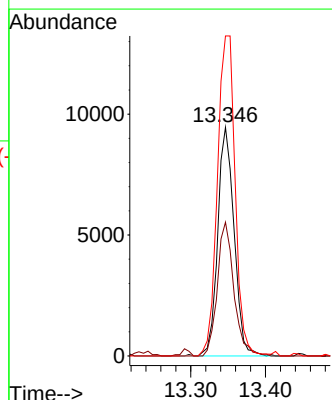
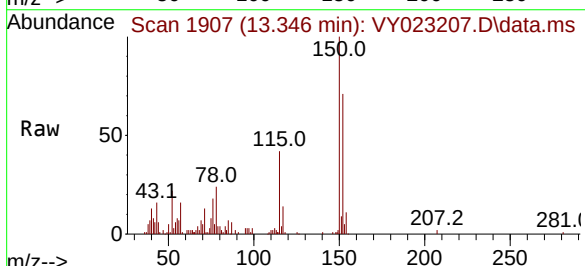
Tgt Ion:152 Resp: 14420

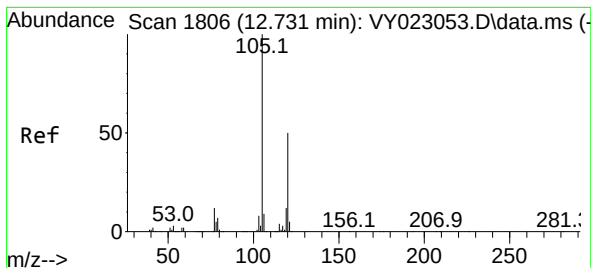
Ion Ratio Lower Upper

152 100

115 59.3 28.2 84.6

150 151.5 0.0 348.0





#80

1,3,5-Trimethylbenzene

Concen: 5.027 ug/l

RT: 12.737 min Scan# 1806

Delta R.T. 0.006 min

Lab File: VY023207.D

Acq: 25 Aug 2025 12:36

Instrument :

MSVOA\_Y

ClientSampleId :

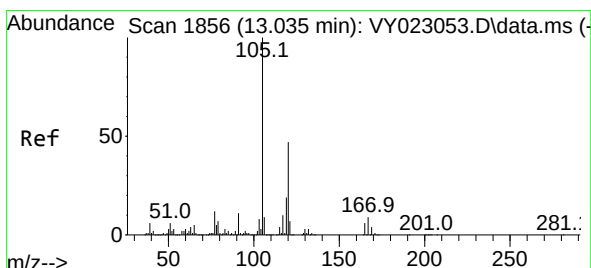
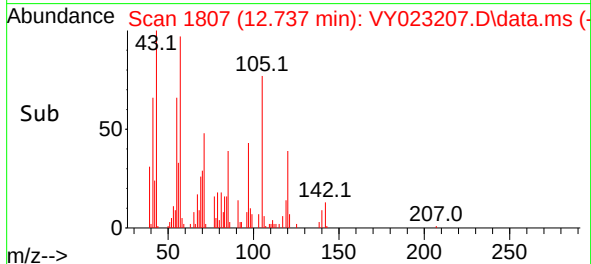
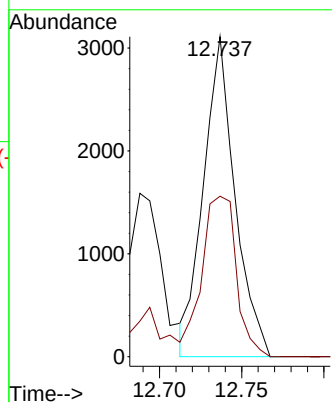
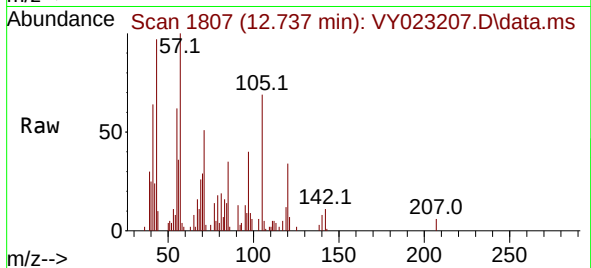
TR-04-08212025RE

Tgt Ion:105 Resp: 4135

Ion Ratio Lower Upper

105 100

120 55.0 24.8 74.4



#84

1,2,4-Trimethylbenzene

Concen: 13.714 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. 0.012 min

Lab File: VY023207.D

Acq: 25 Aug 2025 12:36

Tgt Ion:105 Resp: 11229

Ion Ratio Lower Upper

105 100

120 52.2 23.0 69.0

