

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030725\  
 Data File : VY021461.D  
 Acq On : 07 Mar 2025 15:15  
 Operator : SY/MD  
 Sample : Q1488-11  
 Misc : 6.22g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ENV-104-SB02

Quant Time: Mar 07 22:02:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030425S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 05 12:42:45 2025  
 Response via : Initial Calibration

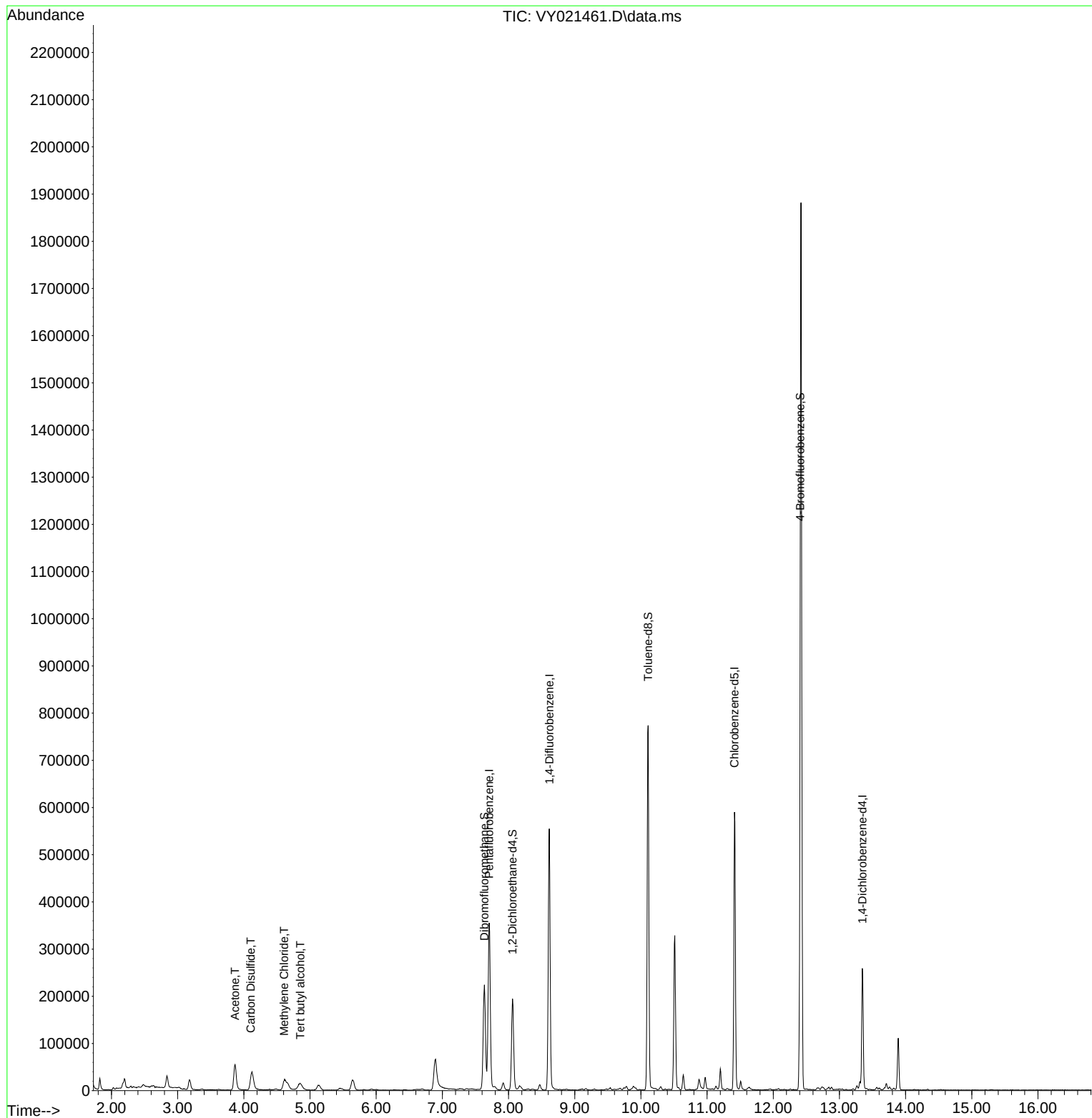
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 263229   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 450669   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 301719   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347 | 152   | 63186    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 153458   | 55.158   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 110.320% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 154689   | 52.219   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 104.440% |
| 50) Toluene-d8              | 10.109 | 98    | 496396   | 44.257   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 88.520%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 100255   | 26.277   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 52.560%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 4.854  | 59    | 27141    | 140.139  | ug/l   | 97       |
| 16) Acetone                 | 3.867  | 43    | 94589    | 155.877  | ug/l   | 92       |
| 17) Carbon Disulfide        | 4.104  | 76    | 10898    | 1.286    | ug/l   | 98       |
| 20) Methylene Chloride      | 4.610  | 84    | 13740    | 4.314    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

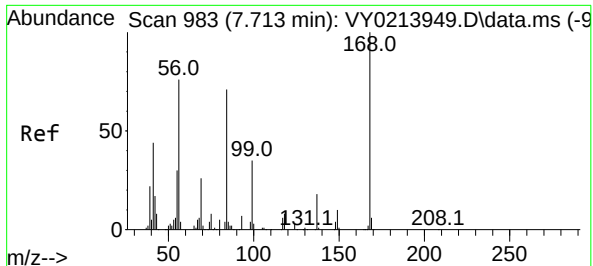
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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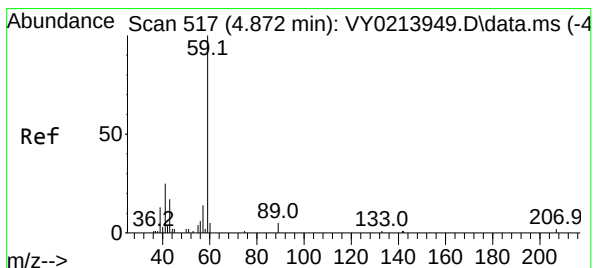
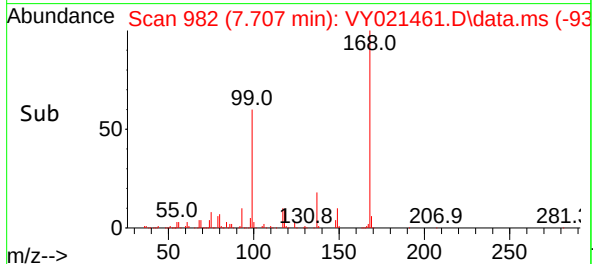
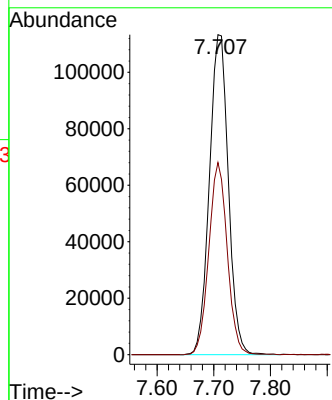
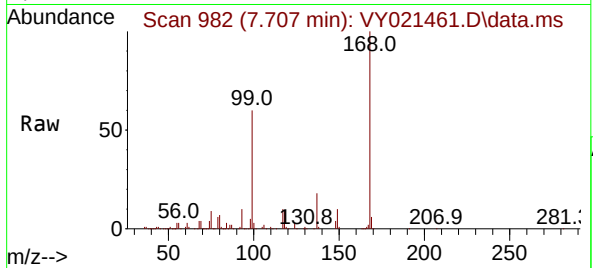




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

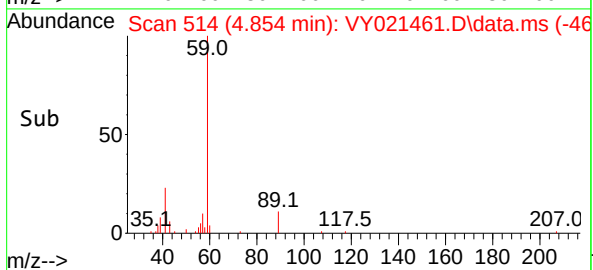
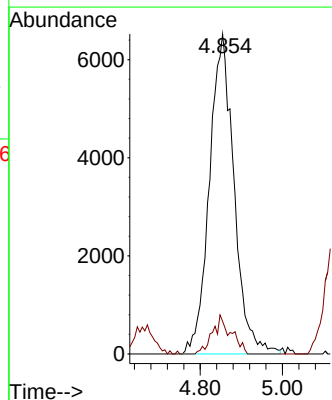
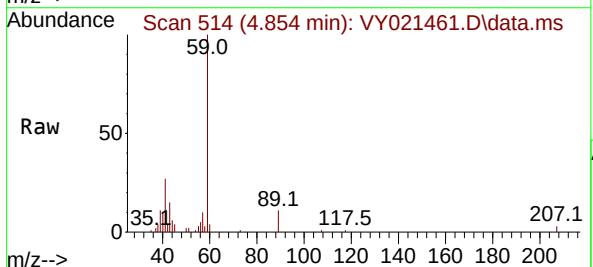
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-104-SB02

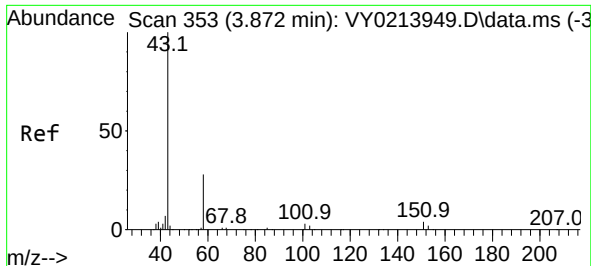
Tgt Ion:168 Resp: 263229  
Ion Ratio Lower Upper  
168 100  
99 60.0 46.0 69.0



#11  
Tert butyl alcohol  
Concen: 140.139 ug/l  
RT: 4.854 min Scan# 514  
Delta R.T. -0.018 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Tgt Ion: 59 Resp: 27141  
Ion Ratio Lower Upper  
59 100  
57 9.1 8.2 12.4

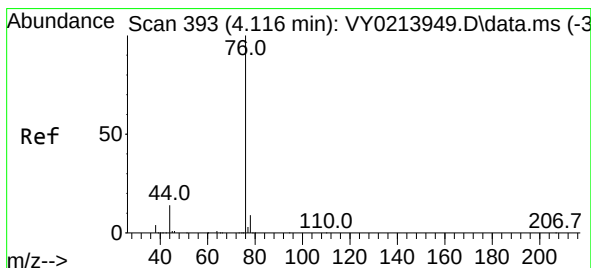
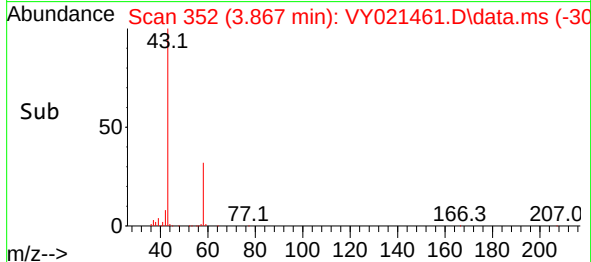
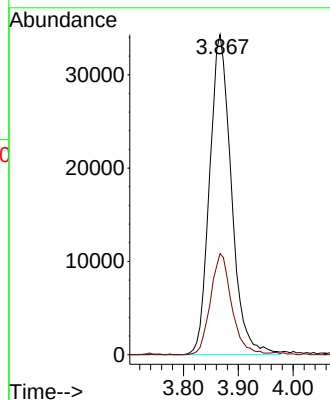
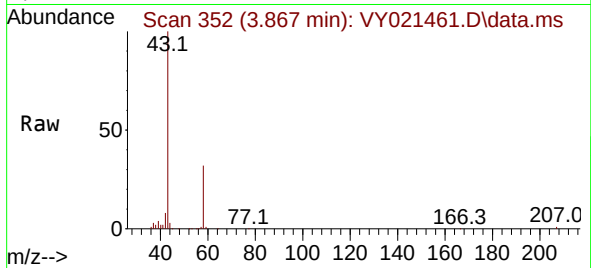




#16  
Acetone  
Concen: 155.877 ug/l  
RT: 3.867 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

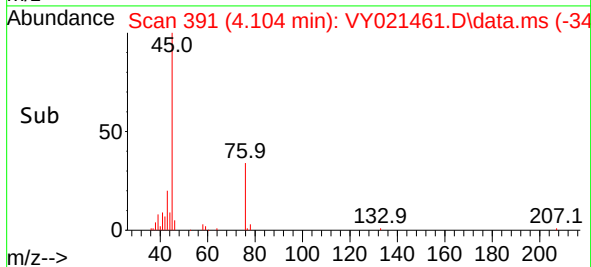
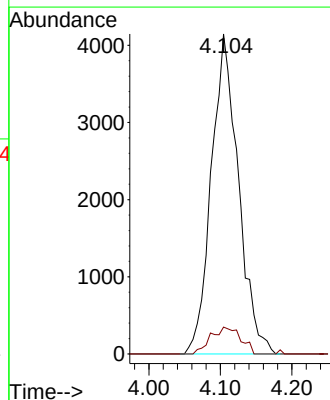
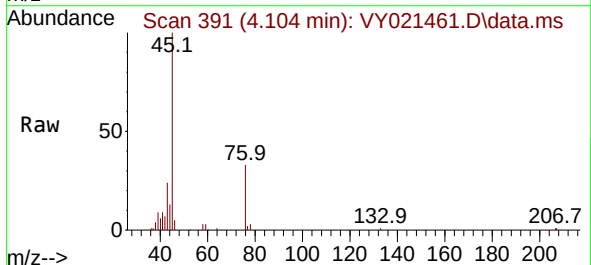
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-104-SB02

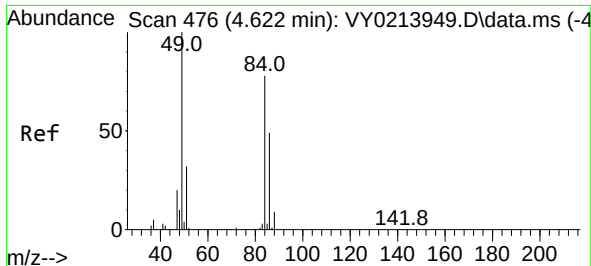
Tgt Ion: 43 Resp: 94589  
Ion Ratio Lower Upper  
43 100  
58 31.6 22.1 33.1



#17  
Carbon Disulfide  
Concen: 1.286 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.012 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Tgt Ion: 76 Resp: 10898  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.4 11.0





#20

Methylene Chloride

Concen: 4.314 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA\_Y

ClientSampleId :

ENV-104-SB02

Tgt Ion: 84 Resp: 13740

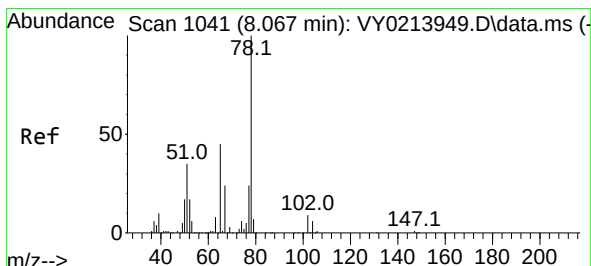
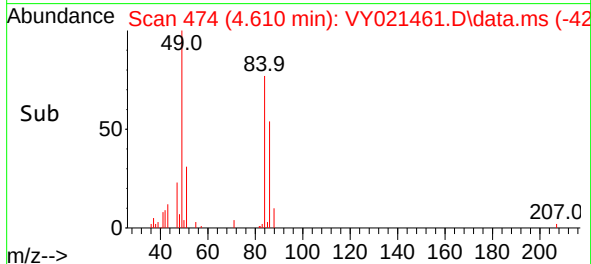
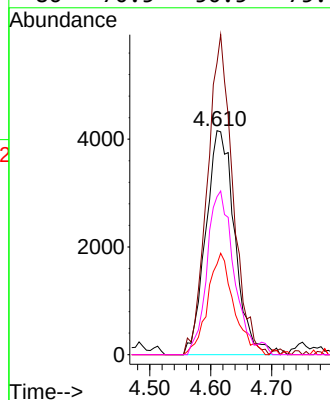
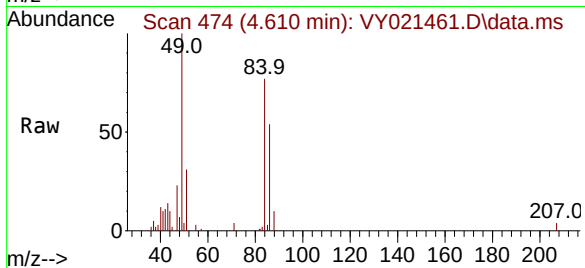
Ion Ratio Lower Upper

84 100

49 130.2 102.0 153.0

51 40.4 33.0 49.6

86 70.5 50.5 75.7



#33

1,2-Dichloroethane-d4

Concen: 55.158 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021461.D

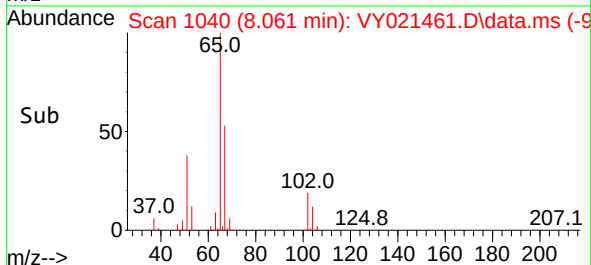
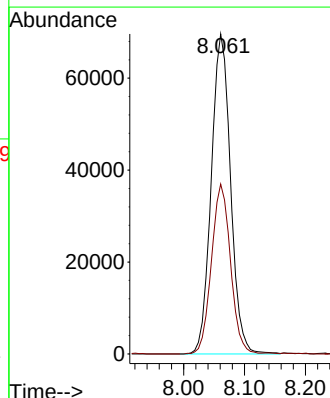
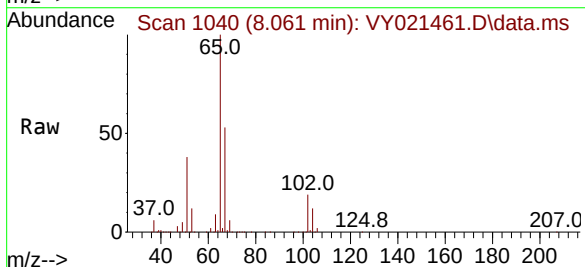
Acq: 07 Mar 2025 15:15

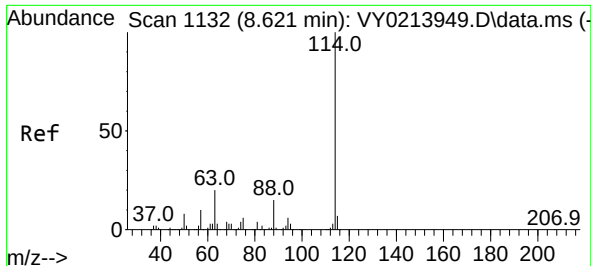
Tgt Ion: 65 Resp: 153458

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.8

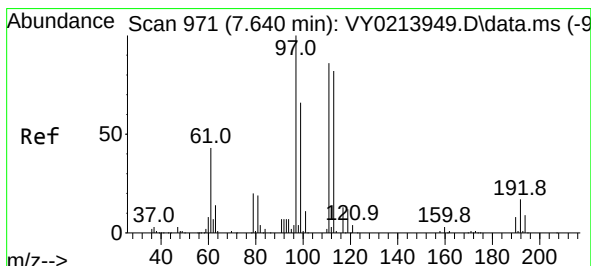
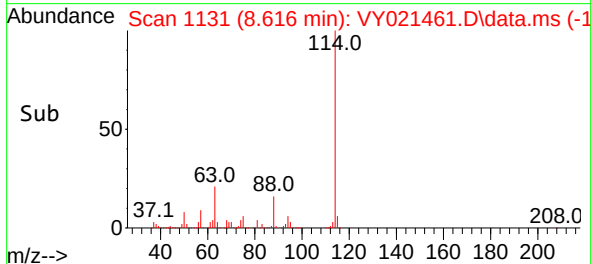
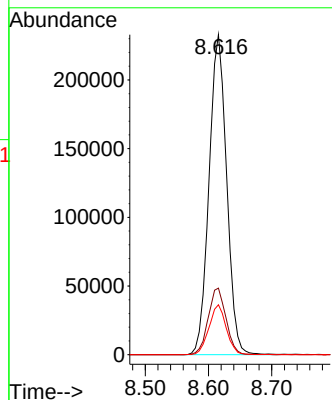
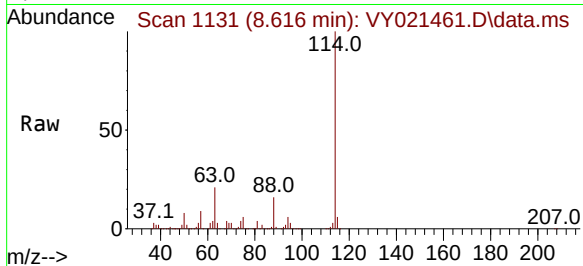




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1132  
Delta R.T. -0.006 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

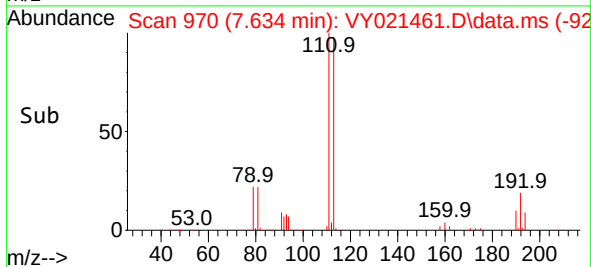
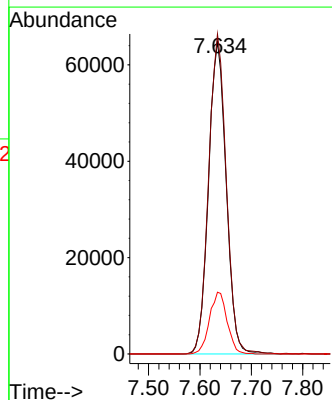
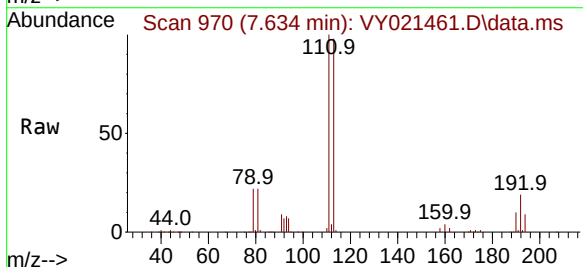
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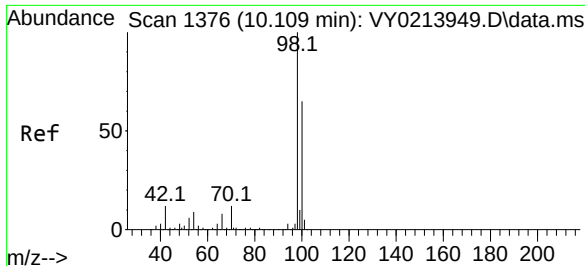
Tgt Ion:114 Resp: 450669  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 40.8  
88 15.6 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 52.219 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Tgt Ion:113 Resp: 154689  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.0 123.0  
192 19.7 15.9 23.9

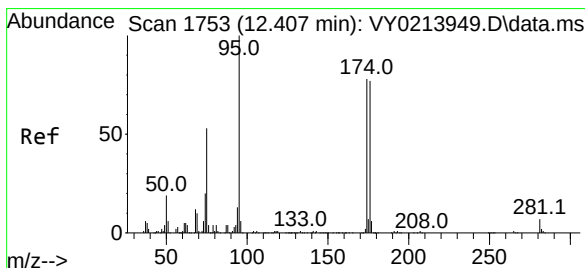
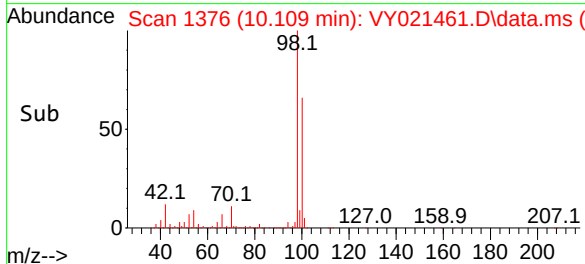
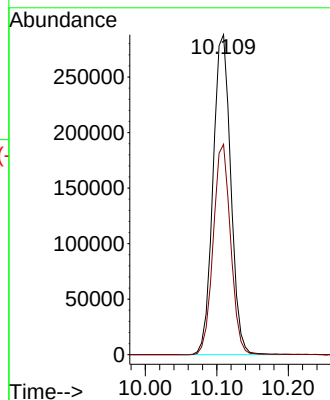
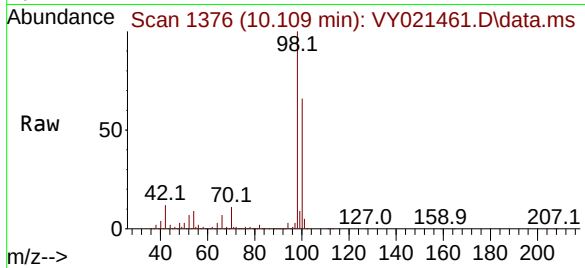




#50  
Toluene-d8  
Concen: 44.257 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

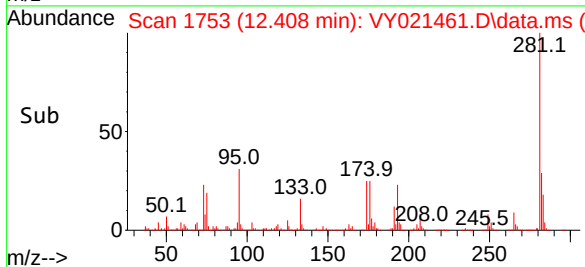
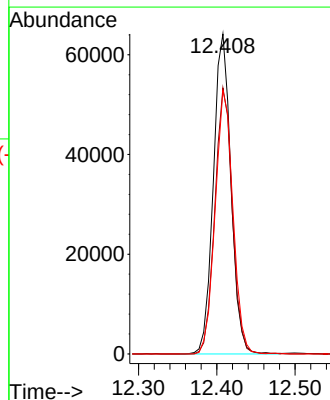
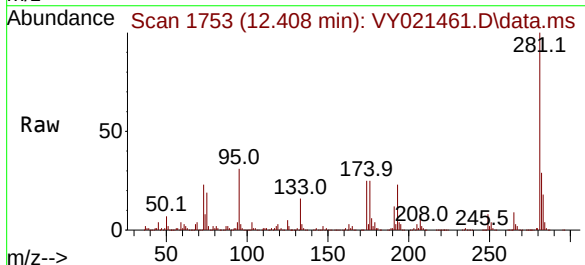
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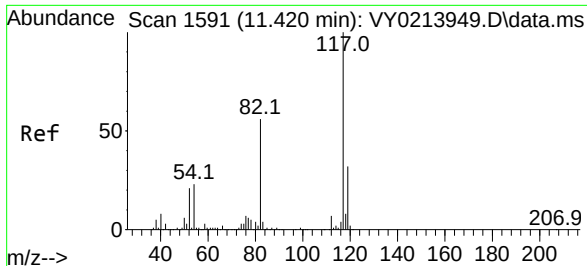
Tgt Ion: 98 Resp: 496396  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.1 78.1



#62  
4-Bromofluorobenzene  
Concen: 26.277 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Tgt Ion: 95 Resp: 100255  
Ion Ratio Lower Upper  
95 100  
174 82.5 0.0 165.0  
176 83.4 0.0 160.0

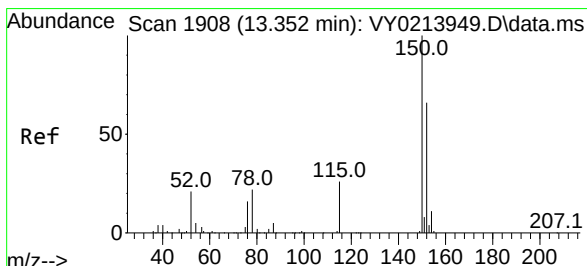
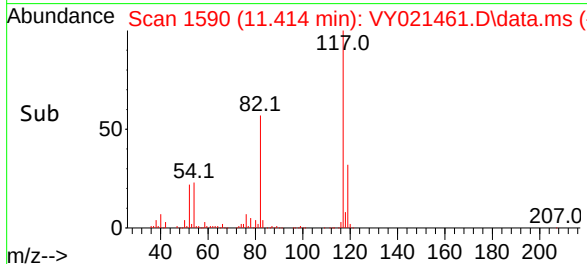
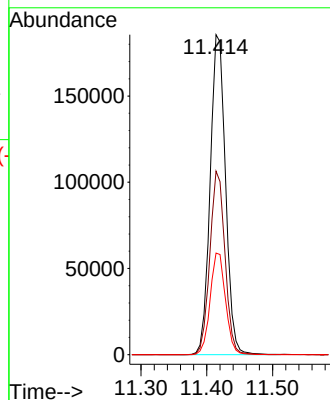
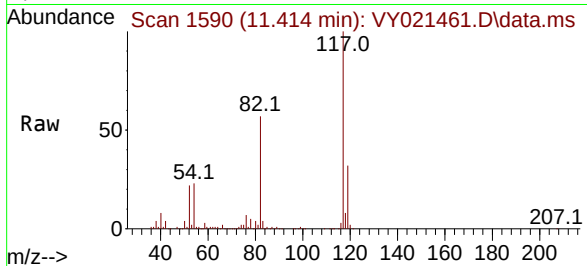




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ENV-104-SB02

Tgt Ion:117 Resp: 301719  
Ion Ratio Lower Upper  
117 100  
82 57.4 44.6 67.0  
119 31.8 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. -0.006 min  
Lab File: VY021461.D  
Acq: 07 Mar 2025 15:15

Tgt Ion:152 Resp: 63186  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.0 87.0  
150 156.6 0.0 347.2

