

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101425\  
 Data File : VY023461.D  
 Acq On : 14 Oct 2025 14:52  
 Operator : SY/MD  
 Sample : Q3341-02  
 Misc : 4.85g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C-2

Quant Time: Oct 15 03:29:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

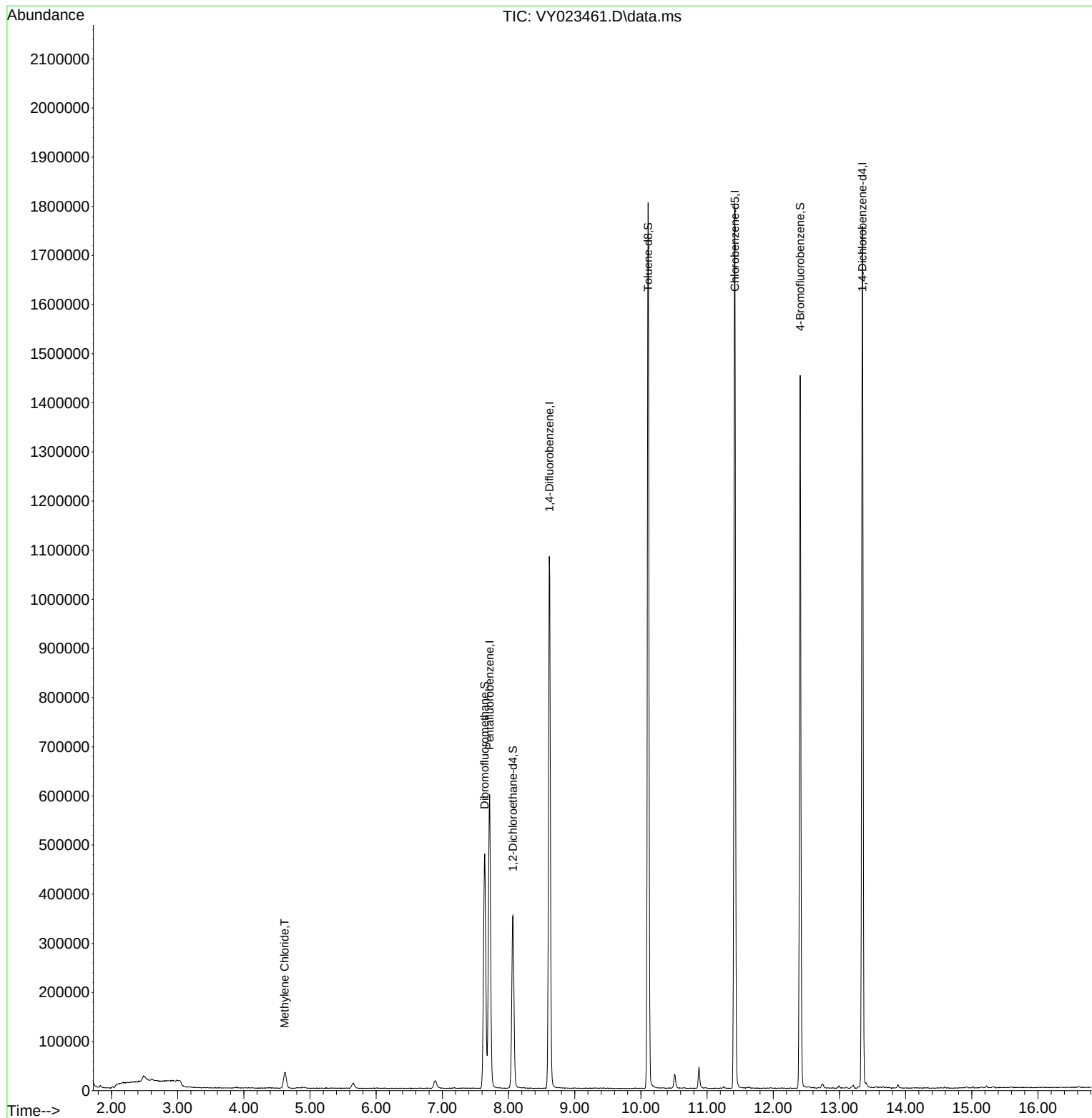
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 494390   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 985514   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 1038095  | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 461613   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 276179   | 66.804   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 133.600% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 341792   | 56.443   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 112.880% |
| 50) Toluene-d8              | 10.109 | 98    | 1204459  | 53.410   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 106.820% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 415605   | 55.821   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 111.640% |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.616  | 84    | 26547    | 4.988    | ug/l  | 96       |
| -----                       |        |       |          |          |       |          |

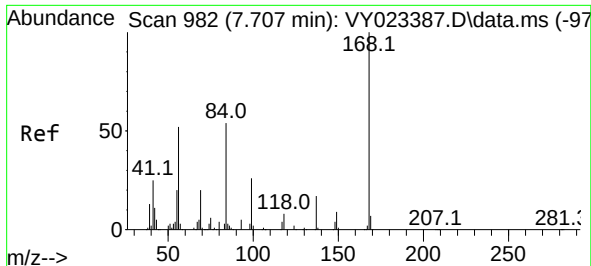
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

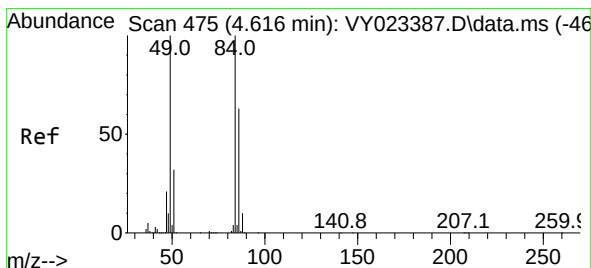
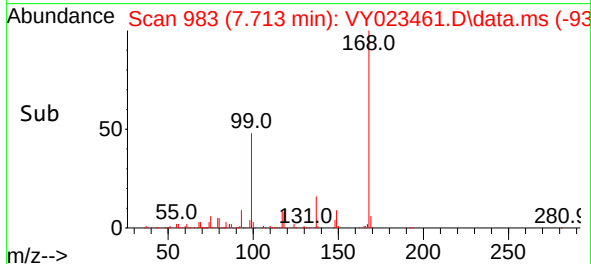
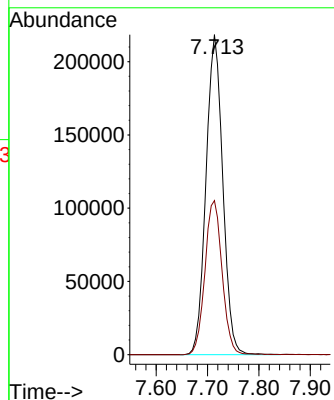
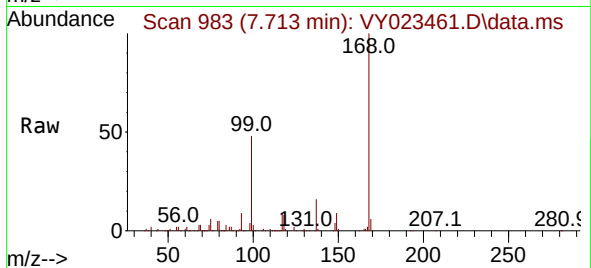




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

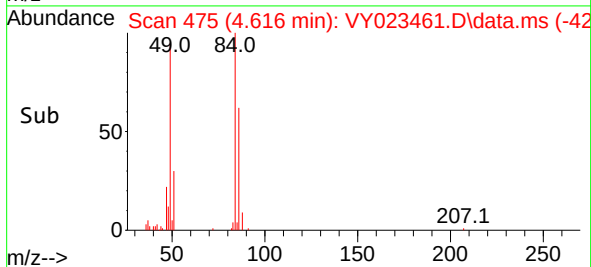
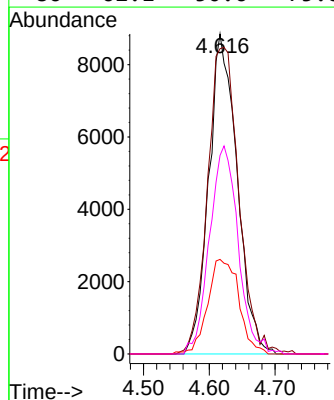
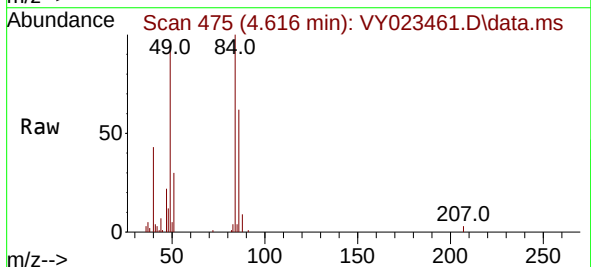
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-2

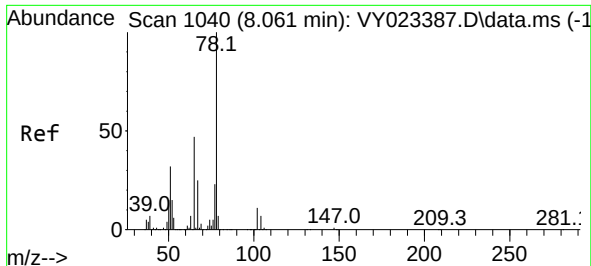
Tgt Ion:168 Resp: 494390  
Ion Ratio Lower Upper  
168 100  
99 48.1 39.7 59.5



#20  
Methylene Chloride  
Concen: 4.988 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

Tgt Ion: 84 Resp: 26547  
Ion Ratio Lower Upper  
84 100  
49 94.7 80.2 120.4  
51 29.6 25.9 38.9  
86 62.1 50.6 75.8





#33

1,2-Dichloroethane-d4

Concen: 66.804 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

Instrument :

MSVOA\_Y

ClientSampleId :

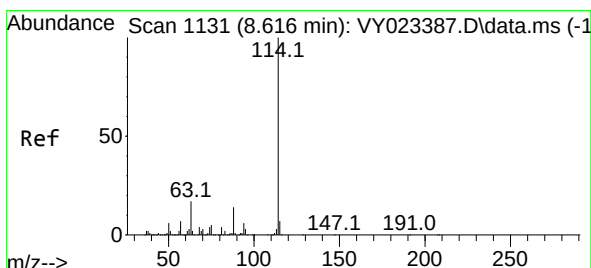
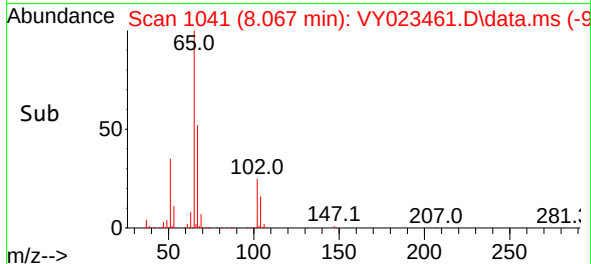
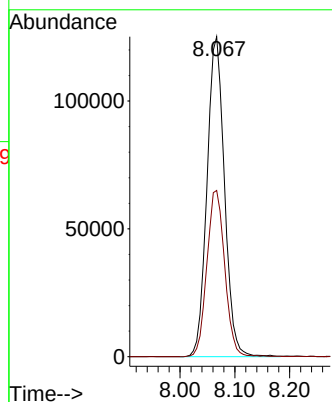
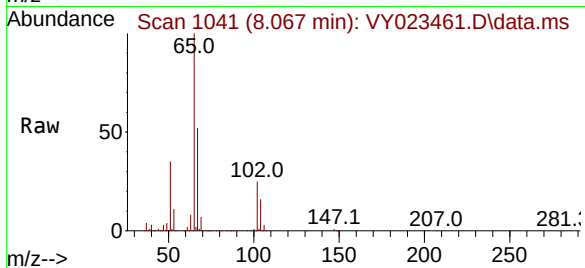
C-2

Tgt Ion: 65 Resp: 276179

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023461.D

Acq: 14 Oct 2025 14:52

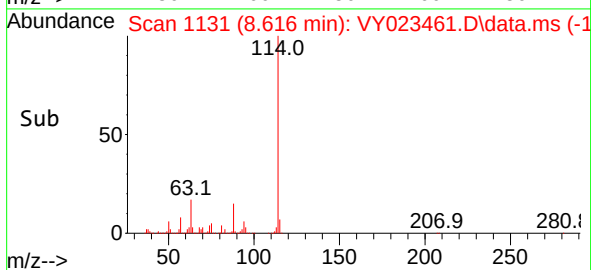
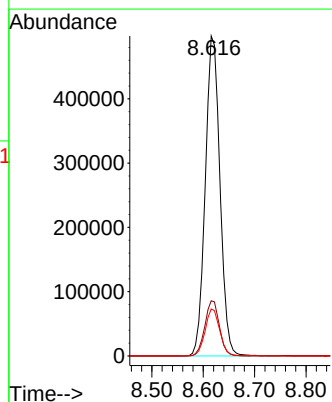
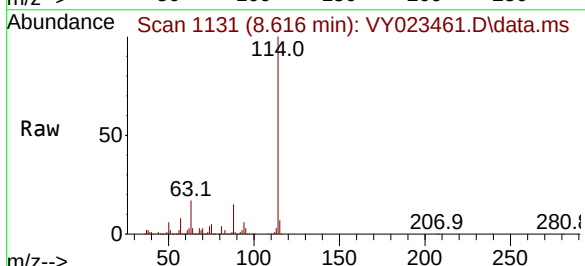
Tgt Ion:114 Resp: 985514

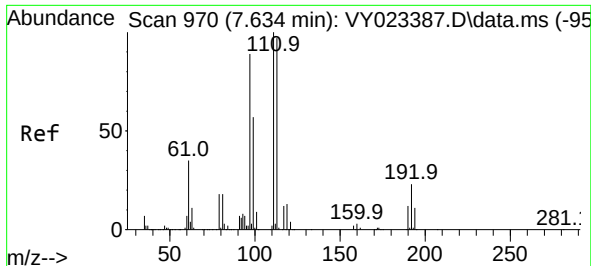
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.7 0.0 28.4

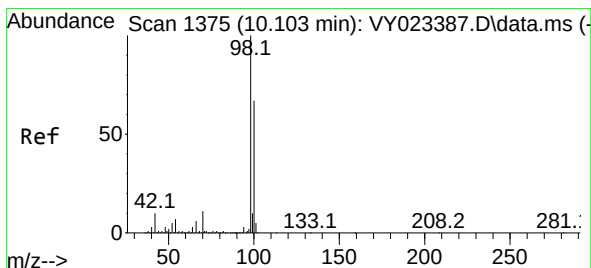
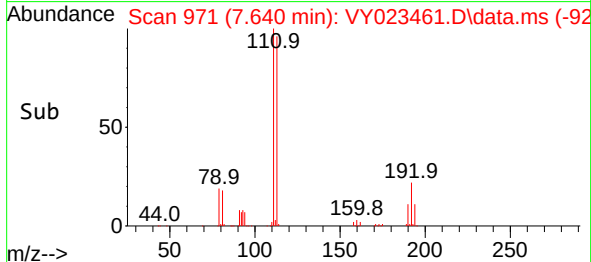
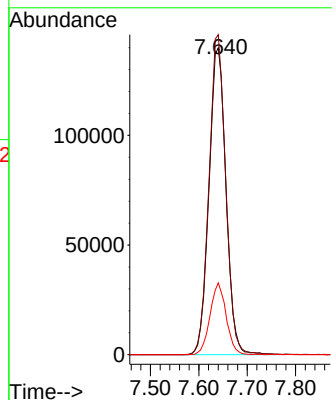
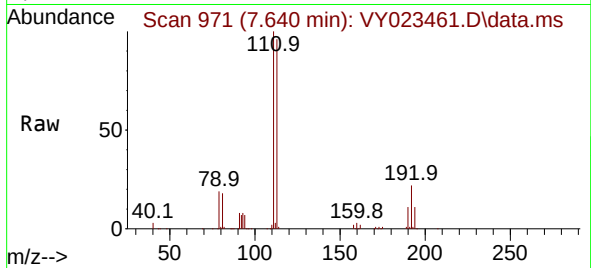




#35  
Dibromofluoromethane  
Concen: 56.443 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

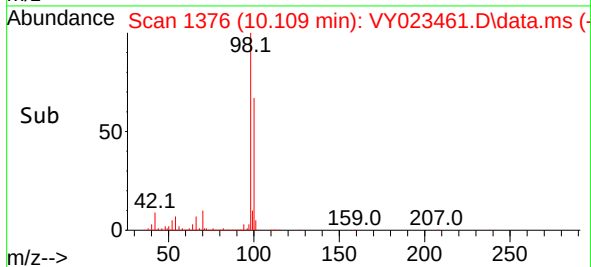
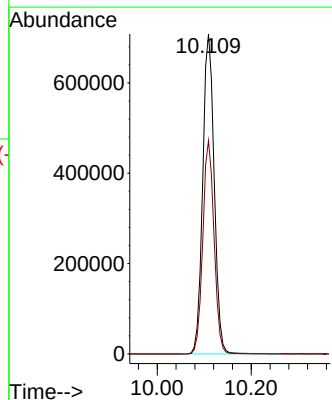
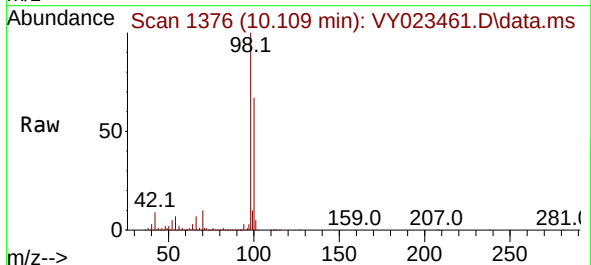
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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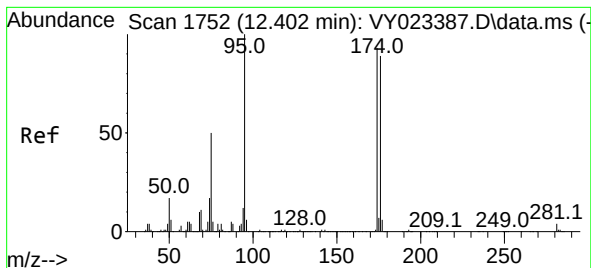
Tgt Ion:113 Resp: 341792  
Ion Ratio Lower Upper  
113 100  
111 102.8 81.8 122.6  
192 22.2 18.0 27.0



#50  
Toluene-d8  
Concen: 53.410 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

Tgt Ion: 98 Resp: 1204459  
Ion Ratio Lower Upper  
98 100  
100 65.4 53.0 79.4

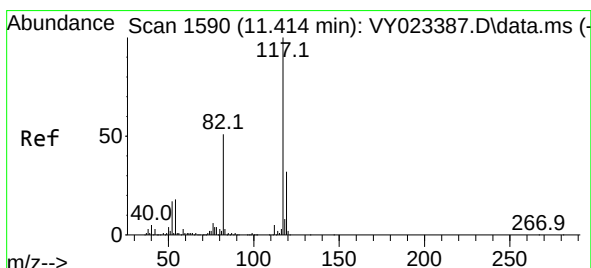
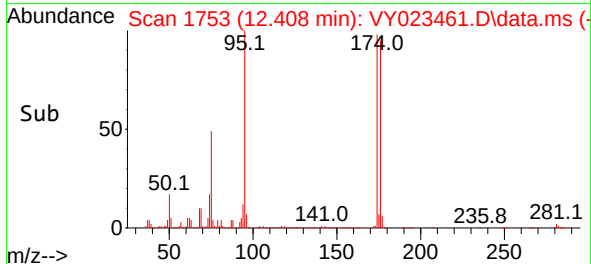
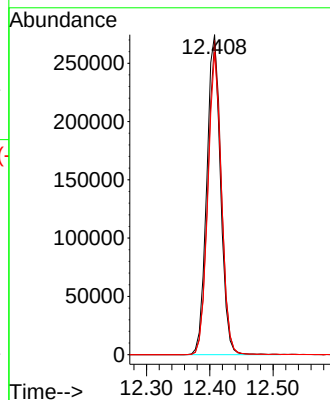
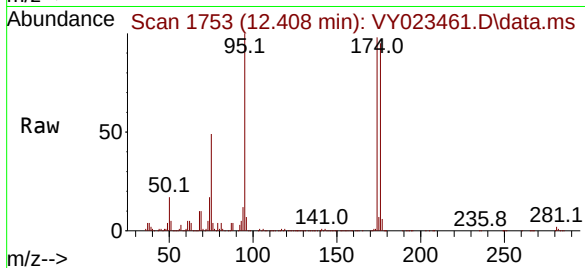




#62  
4-Bromofluorobenzene  
Concen: 55.821 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

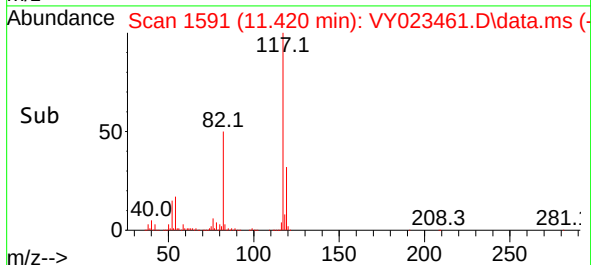
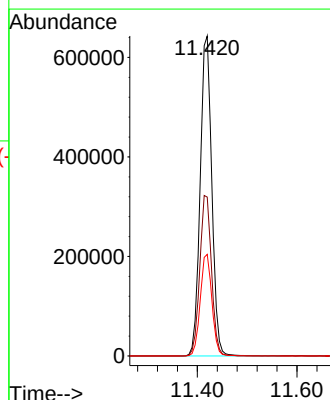
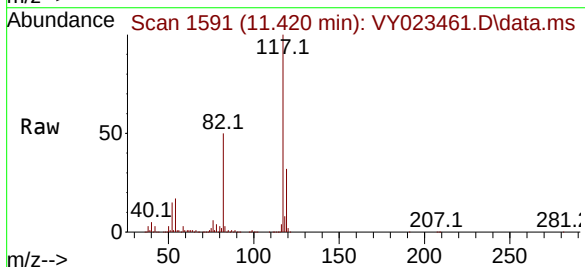
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-2

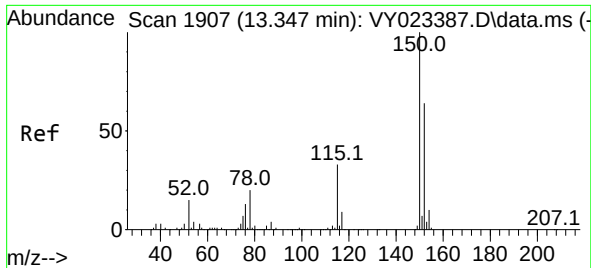
Tgt Ion: 95 Resp: 415605  
Ion Ratio Lower Upper  
95 100  
174 96.3 0.0 192.8  
176 92.7 0.0 187.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 1591  
Delta R.T. 0.006 min  
Lab File: VY023461.D  
Acq: 14 Oct 2025 14:52

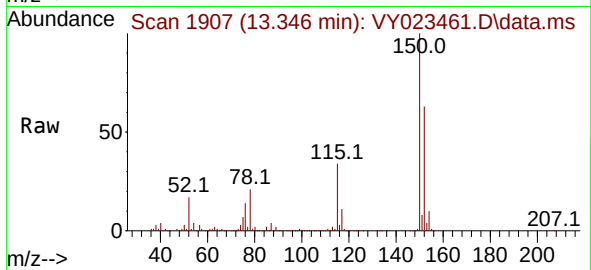
Tgt Ion: 117 Resp: 1038095  
Ion Ratio Lower Upper  
117 100  
82 49.7 41.0 61.4  
119 31.7 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY023461.D  
 Acq: 14 Oct 2025 14:52

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C-2



Tgt Ion:152 Resp: 461613  
 Ion Ratio Lower Upper  
 152 100  
 115 54.6 27.1 81.2  
 150 157.2 0.0 347.4

