

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY053025\  
 Data File : VY022473.D  
 Acq On : 30 May 2025 12:42  
 Operator : SY/MD  
 Sample : VY0530SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0530SBL01

Quant Time: May 31 02:24:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 28 10:34:06 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 294864   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 538664   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 419577   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 145190   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 165997   | 53.447   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.900% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 162157   | 51.404   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.800% |
| 50) Toluene-d8              | 10.109 | 98    | 641910   | 49.916   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.840%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 158287   | 40.692   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 81.380%  |

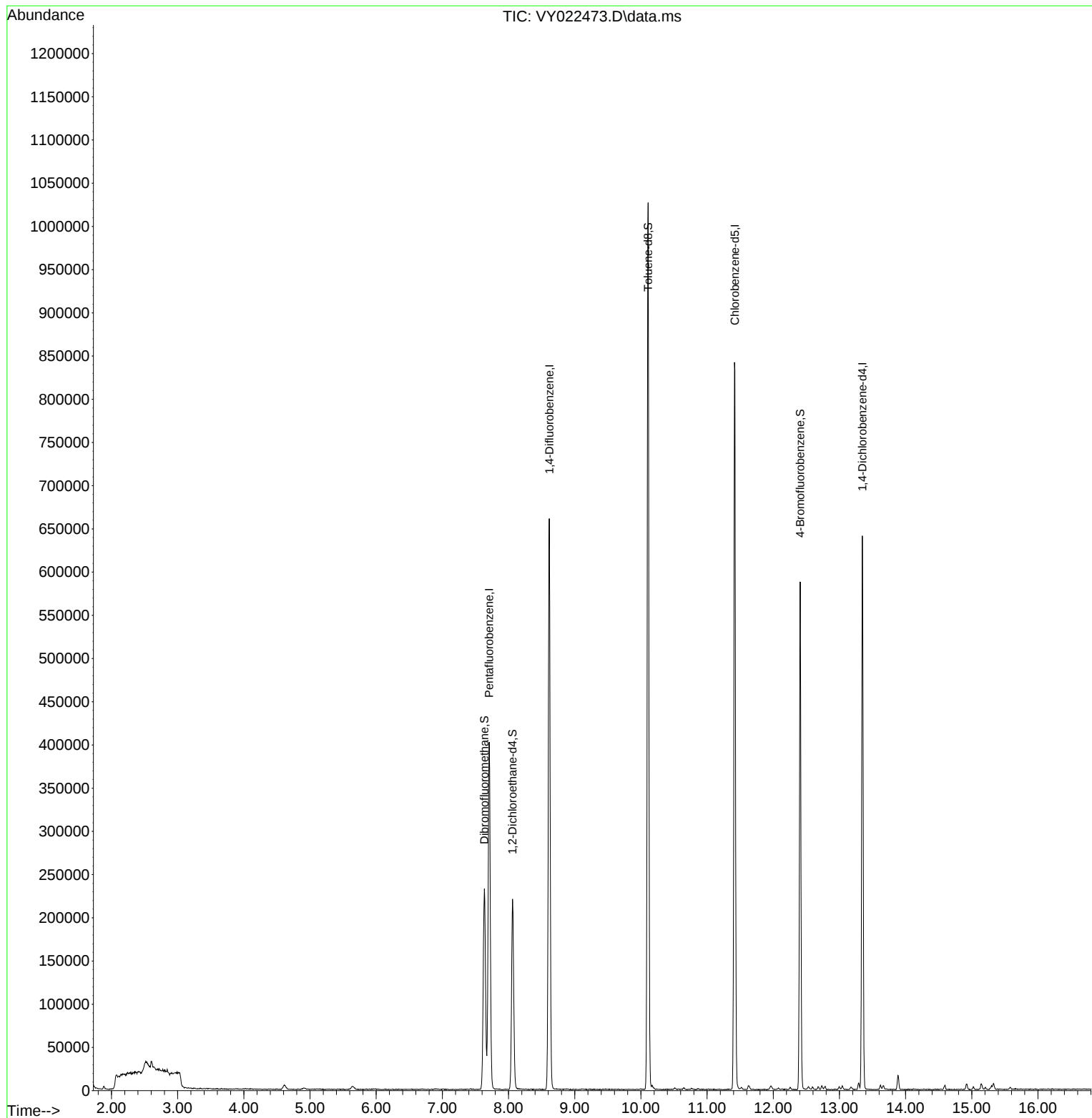
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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MSVOA\_Y  
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VY0530SBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052725S.M  
Quant Title : SW846 8260  
QLast Update : Wed May 28 10:34:06 2025  
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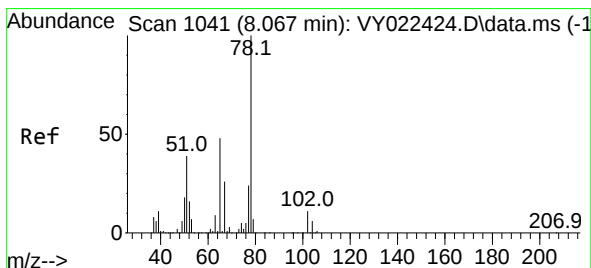
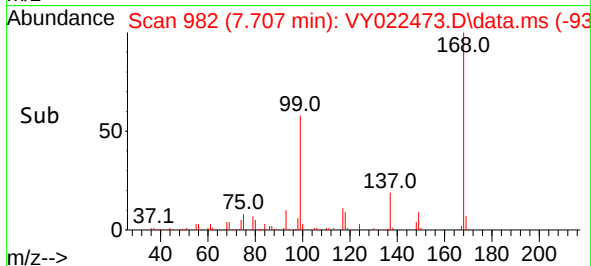
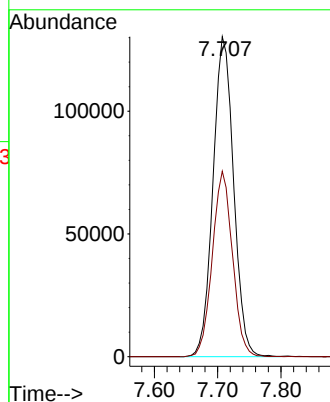
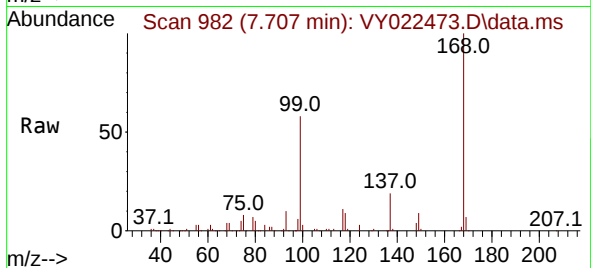




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

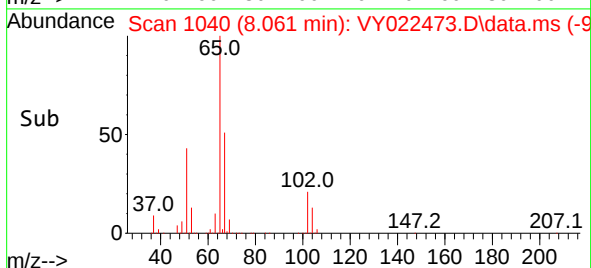
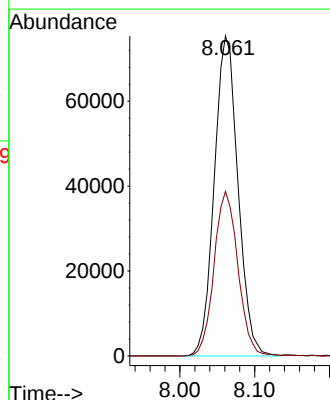
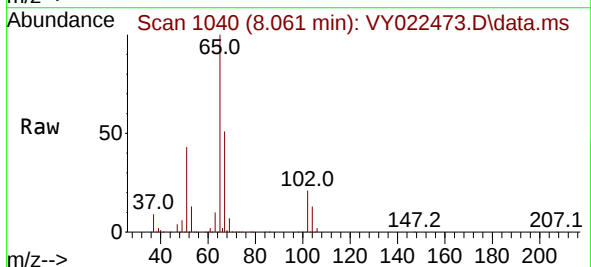
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0530SBL01

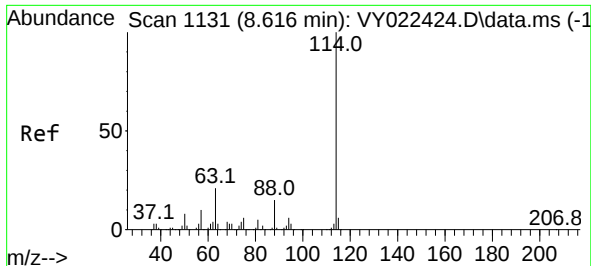
Tgt Ion:168 Resp: 294864  
Ion Ratio Lower Upper  
168 100  
99 58.0 44.7 67.1



#33  
1,2-Dichloroethane-d4  
Concen: 53.447 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

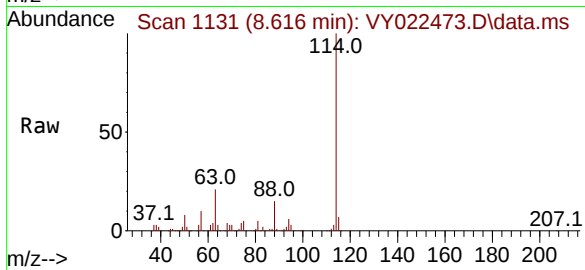
Tgt Ion: 65 Resp: 165997  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 104.4



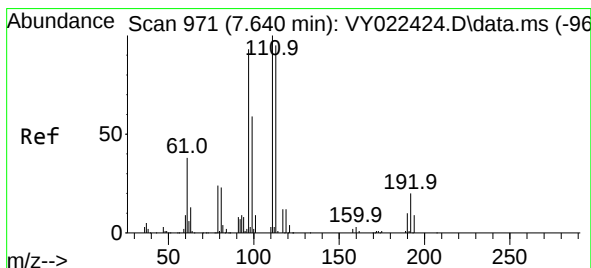
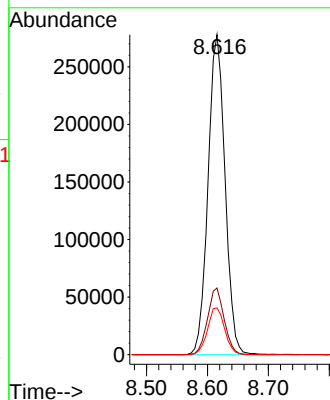
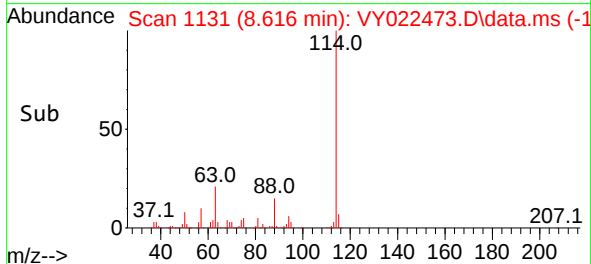


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0530SBL01

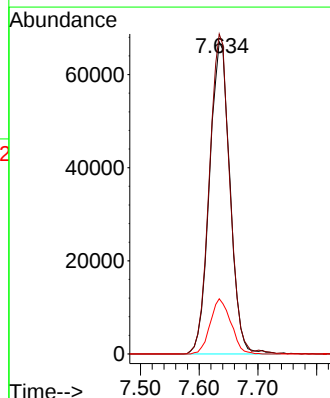
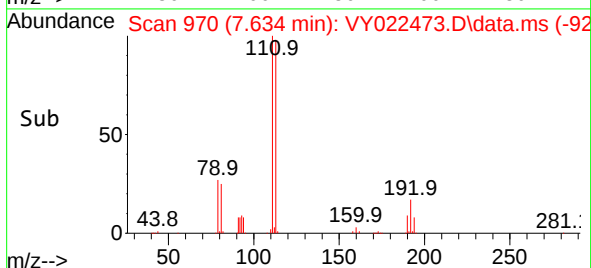
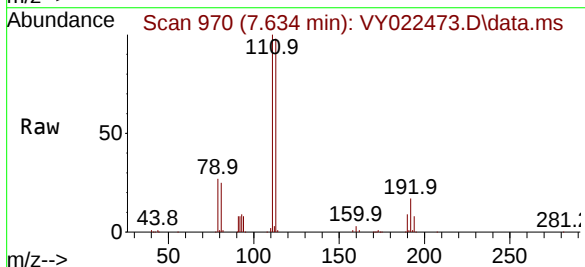


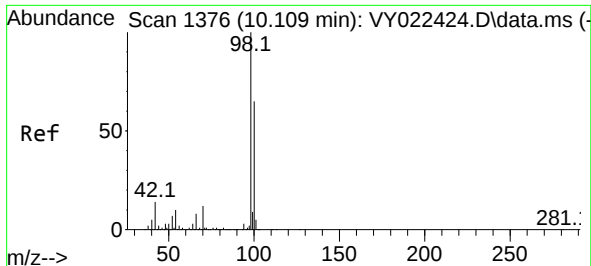
Tgt Ion:114 Resp: 538664  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 42.6  
88 14.6 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 51.404 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. -0.006 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

Tgt Ion:113 Resp: 162157  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.4 123.6  
192 17.8 15.2 22.8

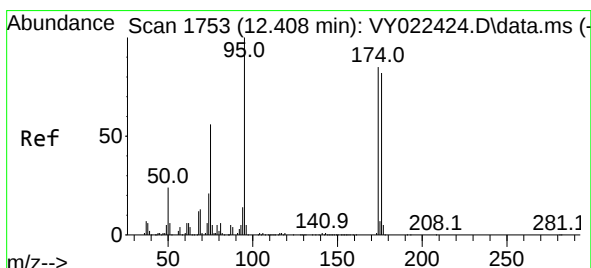
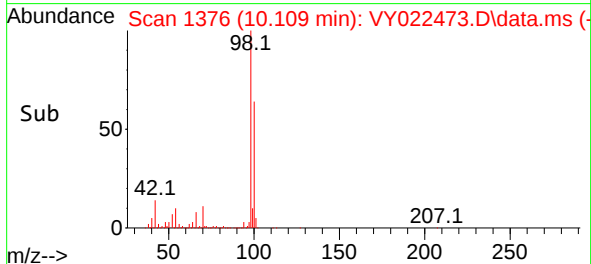
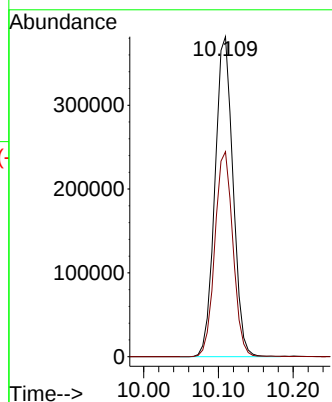
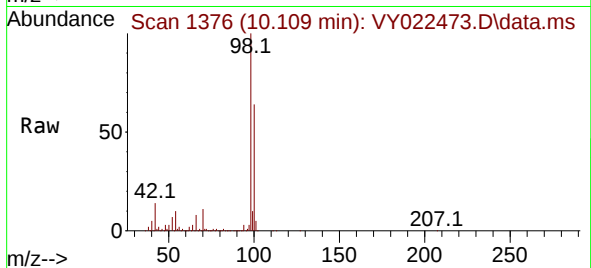




#50  
Toluene-d8  
Concen: 49.916 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

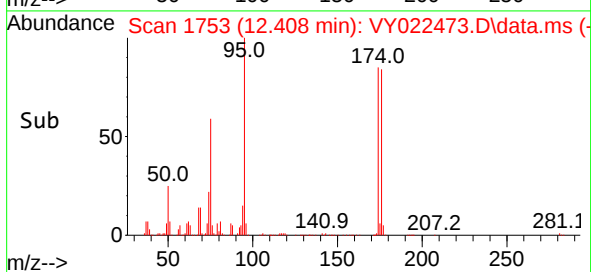
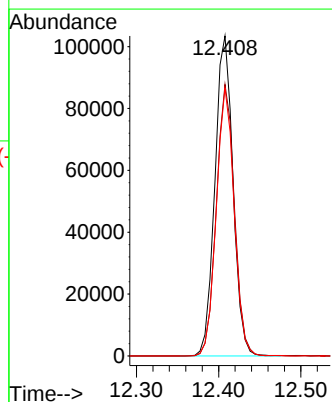
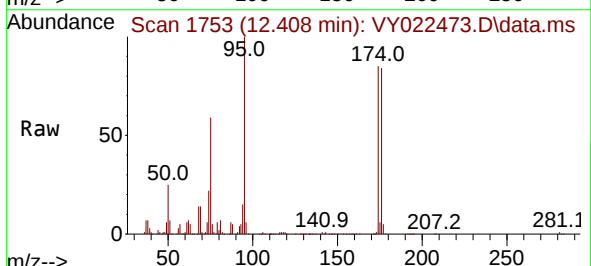
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0530SBL01

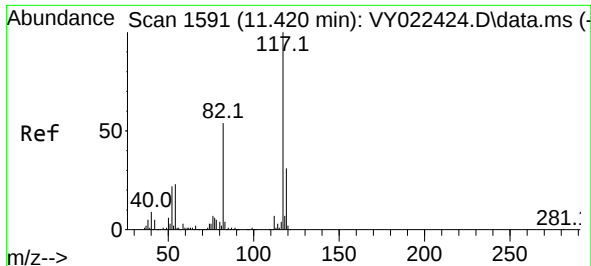
Tgt Ion: 98 Resp: 641910  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 40.692 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

Tgt Ion: 95 Resp: 158287  
Ion Ratio Lower Upper  
95 100  
174 84.9 0.0 171.6  
176 82.5 0.0 164.6

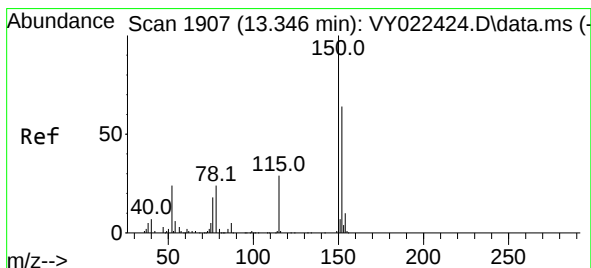
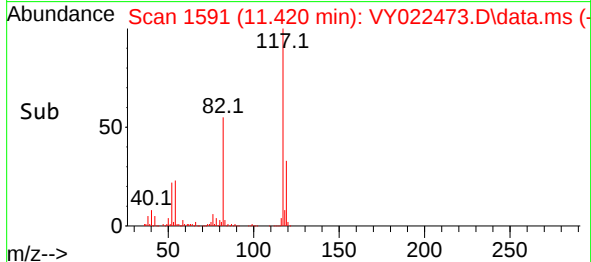
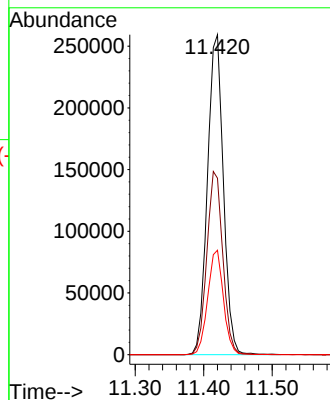
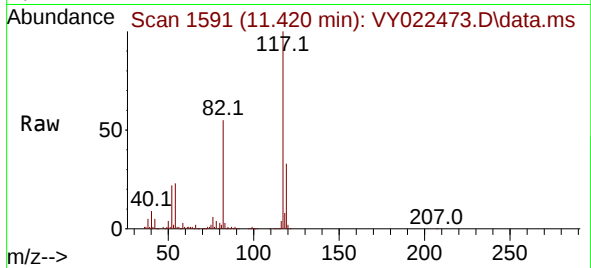




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0530SBL01

Tgt Ion:117 Resp: 419577  
Ion Ratio Lower Upper  
117 100  
82 55.2 43.3 64.9  
119 32.7 24.5 36.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY022473.D  
Acq: 30 May 2025 12:42

Tgt Ion:152 Resp: 145190  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.4 85.3  
150 158.9 0.0 345.8

