

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061625\  
 Data File : VY022709.D  
 Acq On : 16 Jun 2025 16:09  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Jun 17 05:55:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 10 15:26:14 2025  
 Response via : Initial Calibration

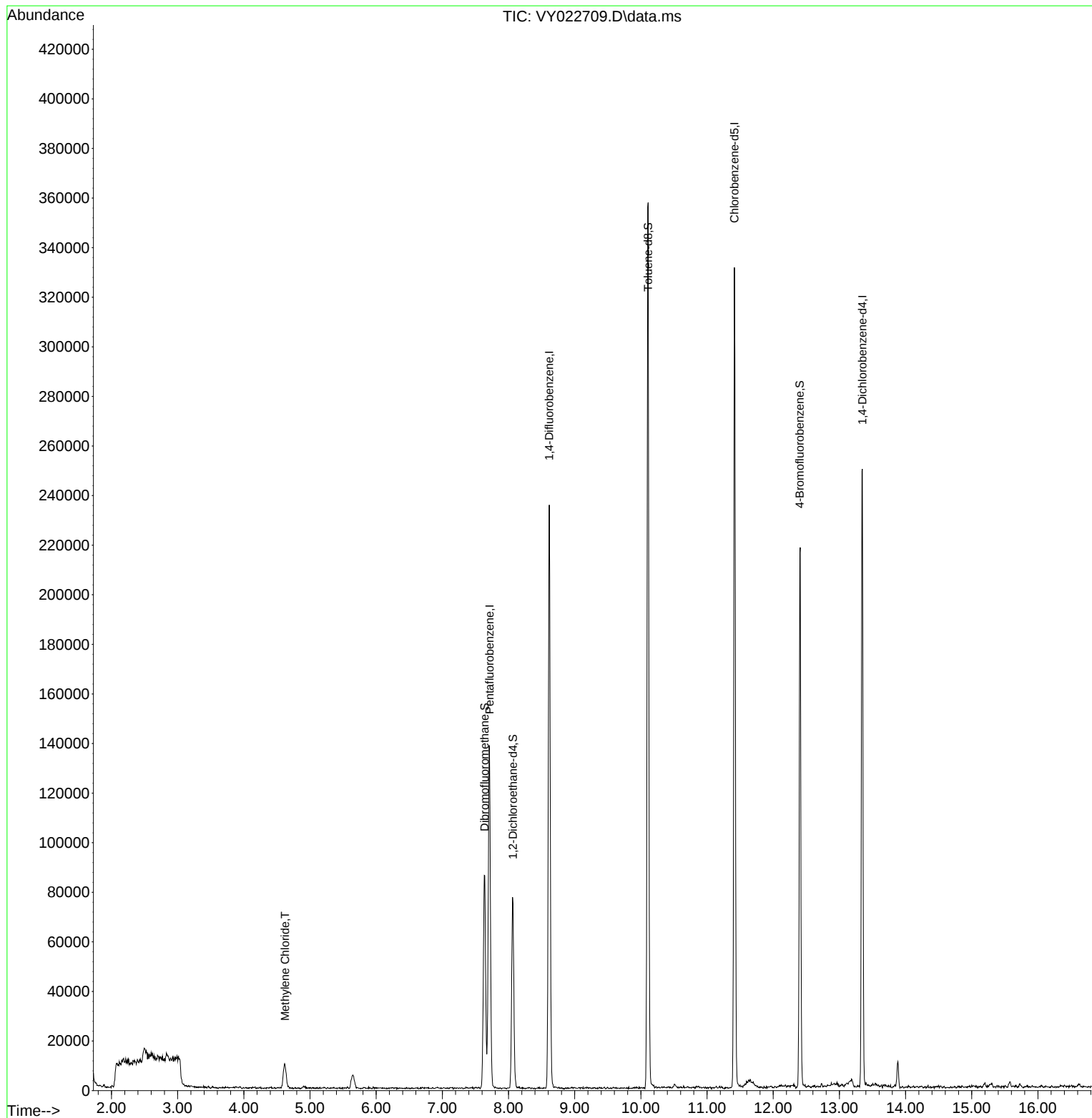
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 100812   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 190040   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 160406   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 61190    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 59424    | 52.703   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.400% |          |
| 35) Dibromofluoromethane    | 7.640  | 113   | 59291    | 52.271   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 104.540% |          |
| 50) Toluene-d8              | 10.109 | 98    | 229118   | 49.989   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 99.980%  |          |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 58613    | 42.921   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 85.840%  |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.622  | 84    | 7196     | 5.532    | ug/l #     | 84       |
| -----                       |        |       |          |          |            |          |

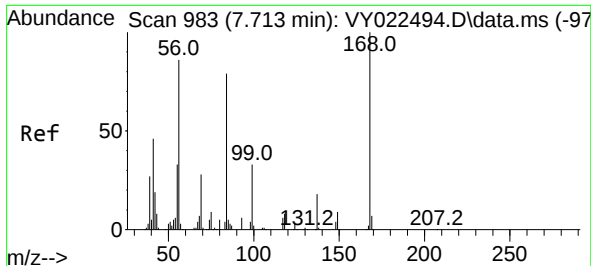
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061625\  
Data File : VY022709.D  
Acq On : 16 Jun 2025 16:09  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Time: Jun 17 05:55:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 10 15:26:14 2025  
Response via : Initial Calibration

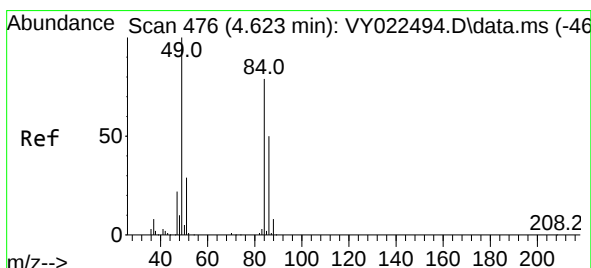
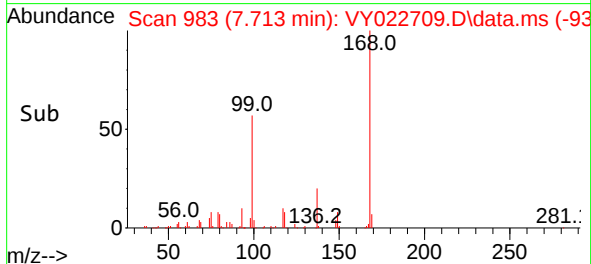
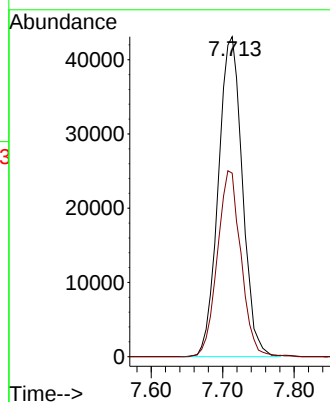
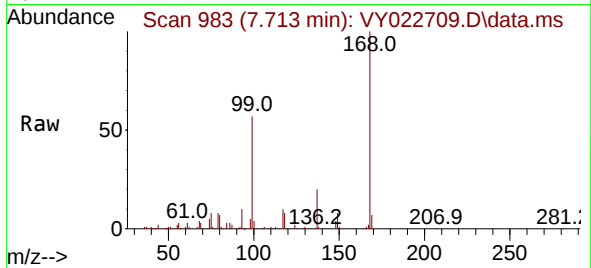




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

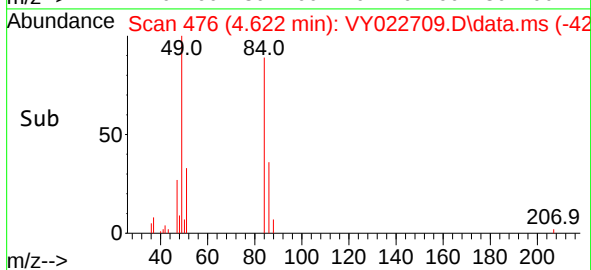
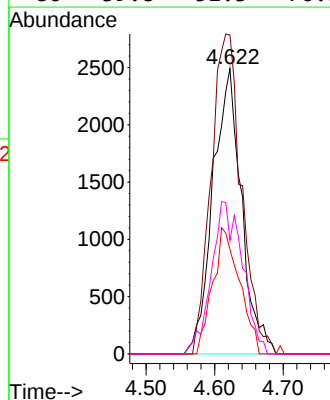
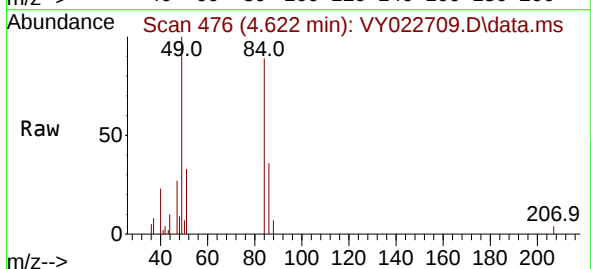
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

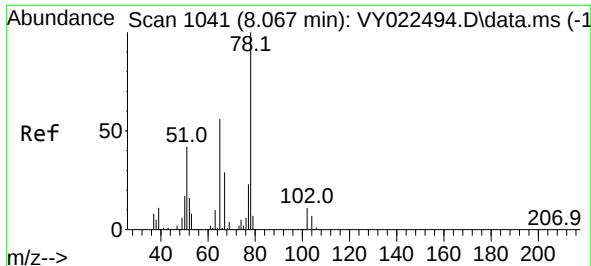
Tgt Ion:168 Resp: 100812  
Ion Ratio Lower Upper  
168 100  
99 57.3 44.3 66.5



#20  
Methylene Chloride  
Concen: 5.532 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. -0.000 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

Tgt Ion: 84 Resp: 7196  
Ion Ratio Lower Upper  
84 100  
49 111.8 101.9 152.9  
51 36.6 29.8 44.8  
86 39.8 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 52.703 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

Instrument :

MSVOA\_Y

ClientSampleId :

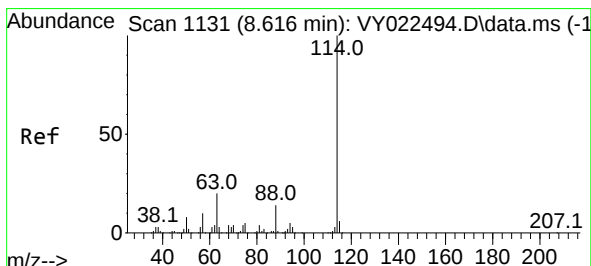
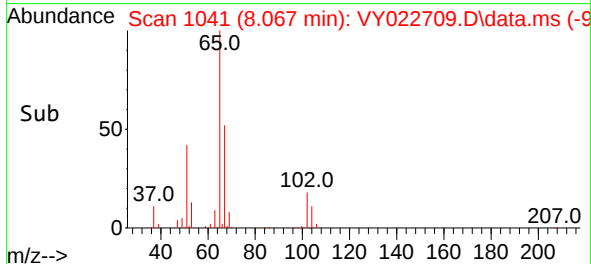
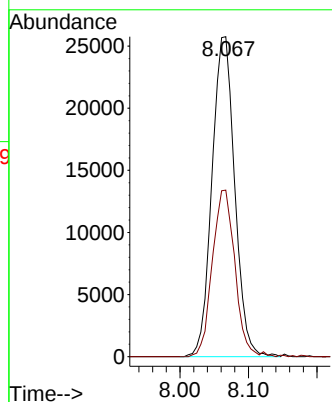
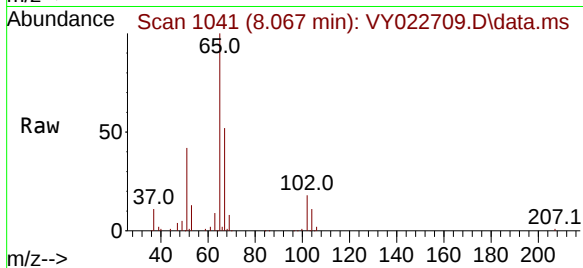
VIBLK

Tgt Ion: 65 Resp: 59424

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

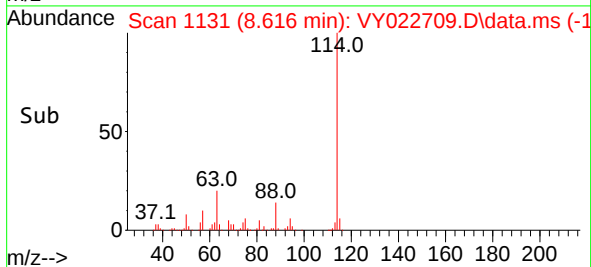
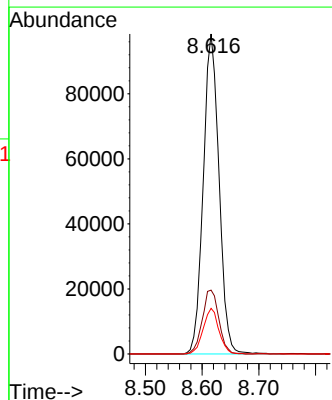
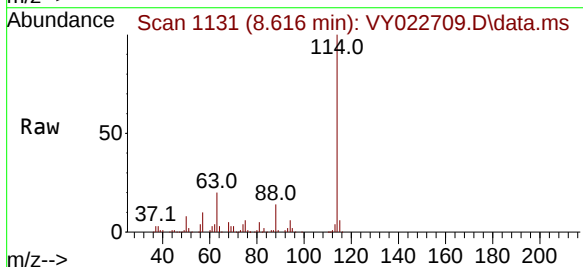
Tgt Ion: 114 Resp: 190040

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.2 0.0 27.8

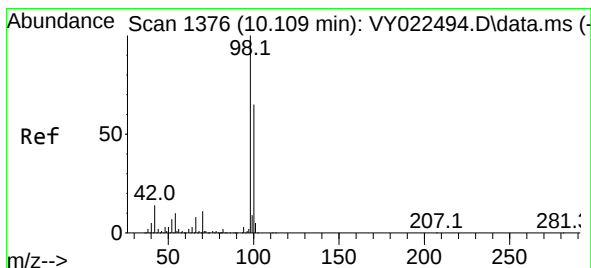
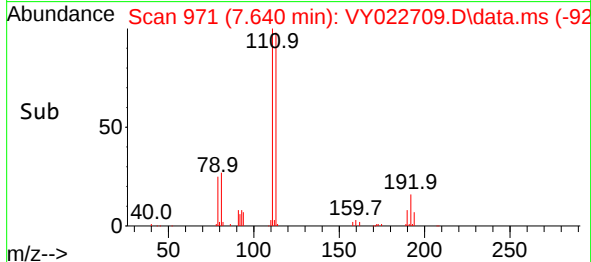
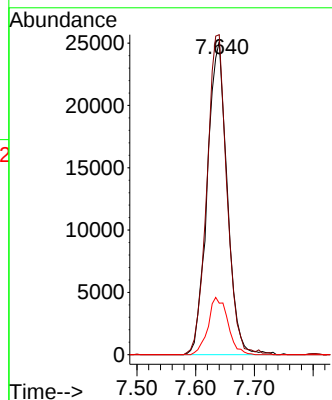
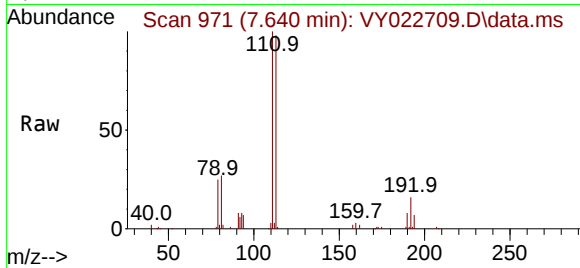




#35  
Dibromofluoromethane  
Concen: 52.271 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

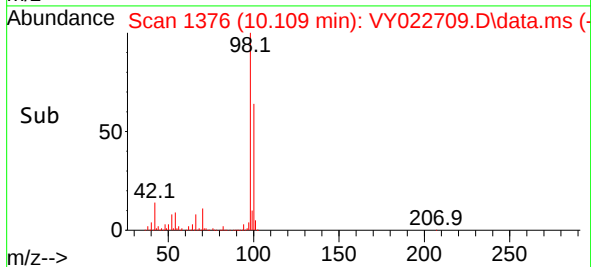
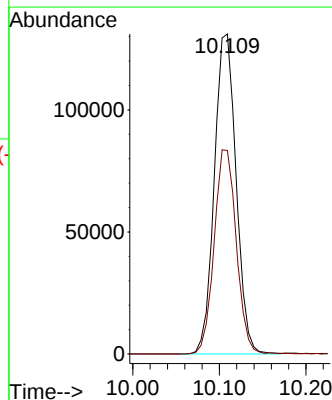
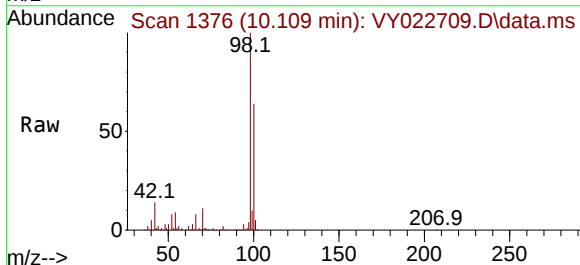
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

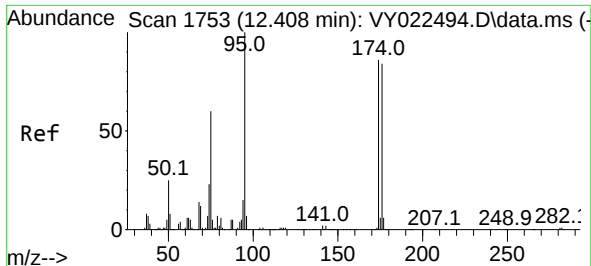
Tgt Ion:113 Resp: 59291  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.1 121.7  
192 18.1 14.2 21.2



#50  
Toluene-d8  
Concen: 49.989 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

Tgt Ion: 98 Resp: 229118  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.4 77.0

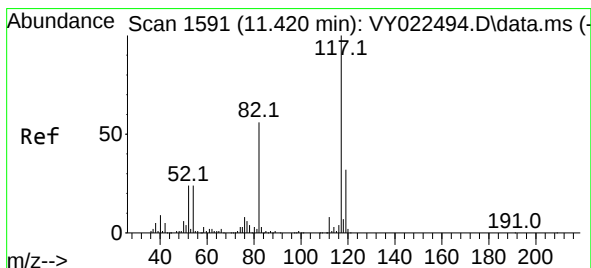
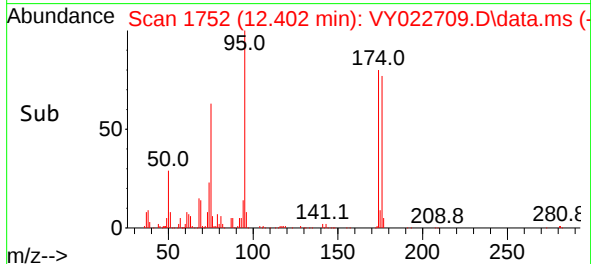
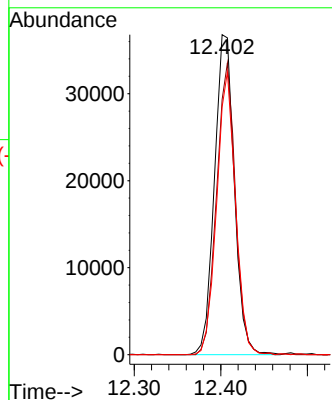
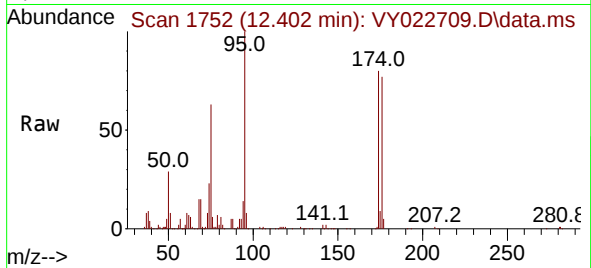




#62  
4-Bromofluorobenzene  
Concen: 42.921 ug/l  
RT: 12.402 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

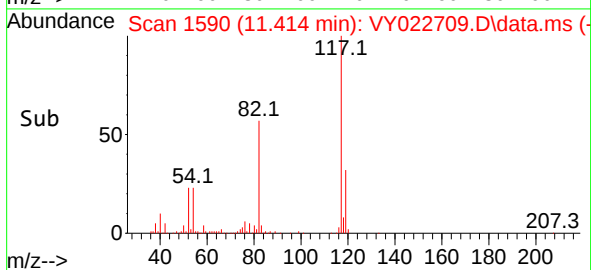
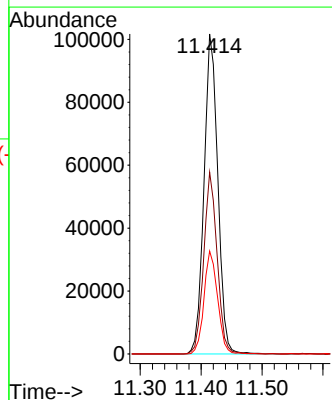
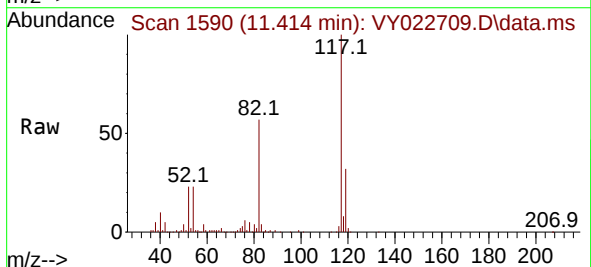
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

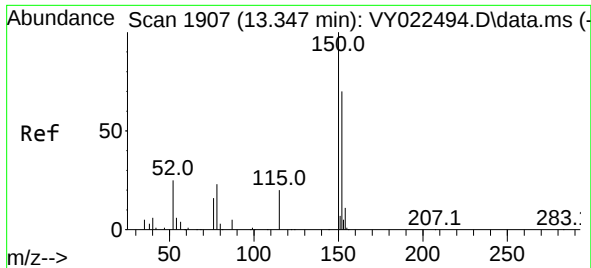
Tgt Ion: 95 Resp: 58613  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 170.0  
176 83.6 0.0 166.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY022709.D  
Acq: 16 Jun 2025 16:09

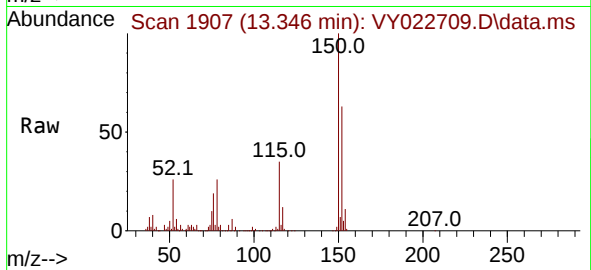
Tgt Ion: 117 Resp: 160406  
Ion Ratio Lower Upper  
117 100  
82 56.8 44.6 66.8  
119 32.1 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY022709.D  
 Acq: 16 Jun 2025 16:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK



Tgt Ion:152 Resp: 61190  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 28.9 86.7  
 150 154.6 0.0 349.6

