

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082324\  
 Data File : VY019262.D  
 Acq On : 23 Aug 2024 17:07  
 Operator : SY/MD  
 Sample : P3707-04  
 Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 S-929-K1-SO-0.5-1-082024

Quant Time: Aug 23 22:59:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.701  | 168  | 96154    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.610  | 114  | 158085   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 125751   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 29790    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 51171    | 53.089   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 106.180% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 52494    | 50.785   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.560% |
| 50) Toluene-d8              | 10.103 | 98    | 182326   | 49.015   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.040%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 39561    | 31.198   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 62.400%  |

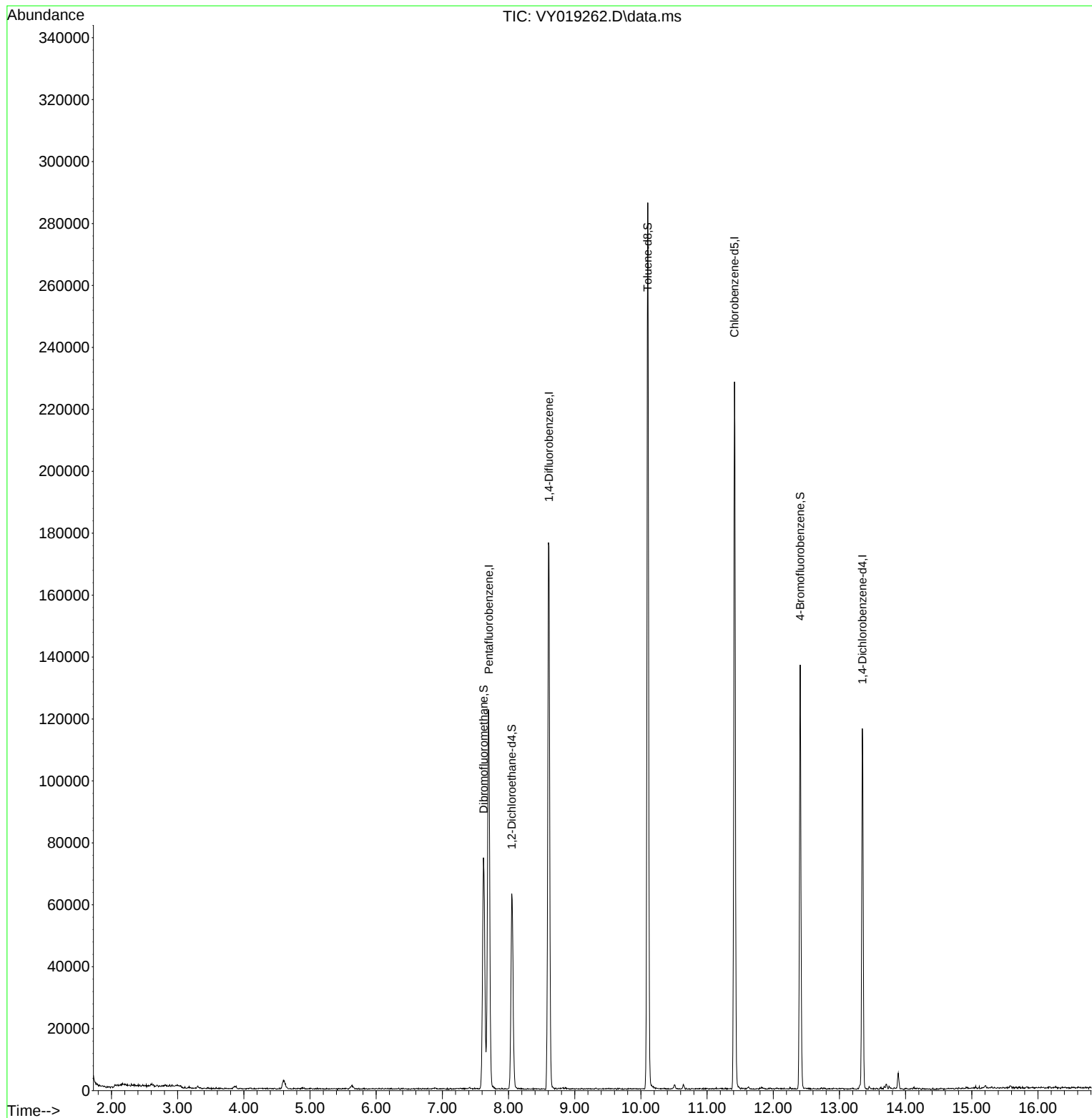
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

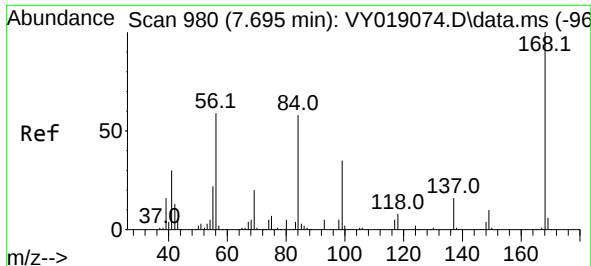
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082324\  
Data File : VY019262.D  
Acq On : 23 Aug 2024 17:07  
Operator : SY/MD  
Sample : P3707-04  
Misc : 4.79g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-929-K1-SO-0.5-1-082024

Quant Time: Aug 23 22:59:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

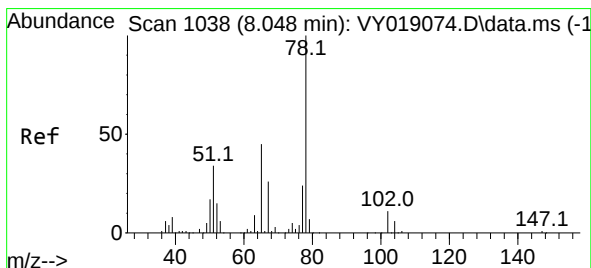
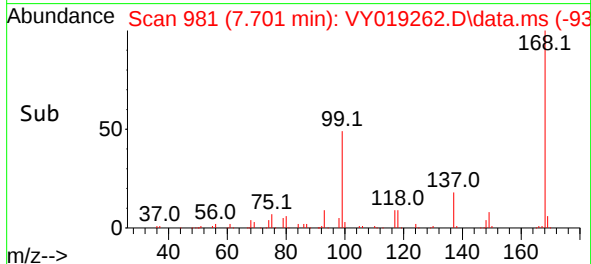
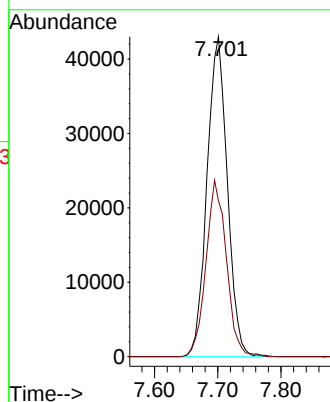
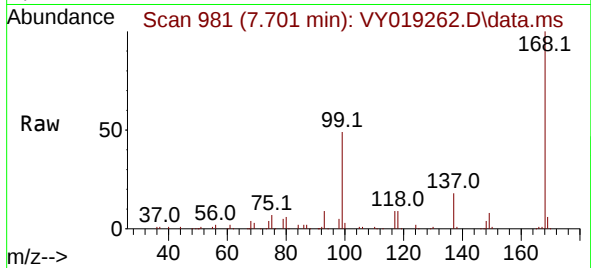




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY019262.D  
Acq: 23 Aug 2024 17:07

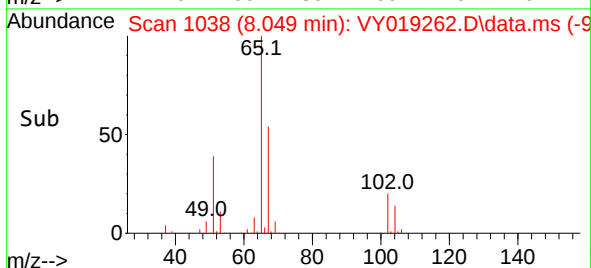
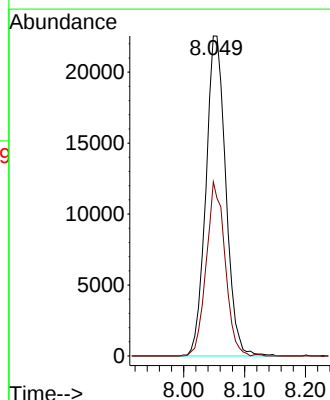
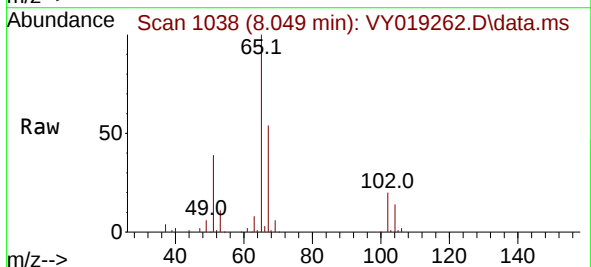
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-929-K1-SO-0.5-1-082024

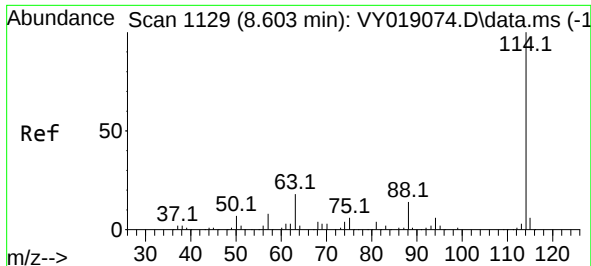
Tgt Ion:168 Resp: 96154  
Ion Ratio Lower Upper  
168 100  
99 48.7 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 53.089 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019262.D  
Acq: 23 Aug 2024 17:07

Tgt Ion: 65 Resp: 51171  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019262.D

Acq: 23 Aug 2024 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

S-929-K1-SO-0.5-1-082024

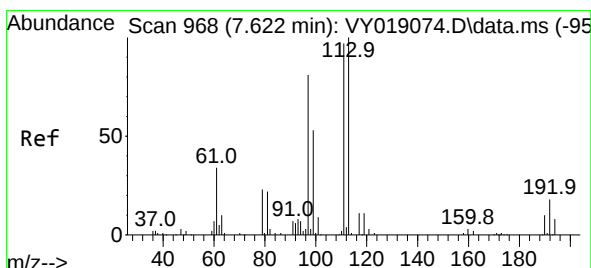
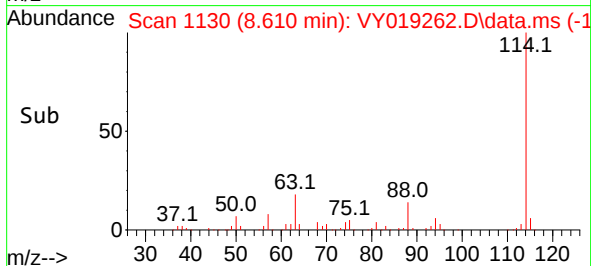
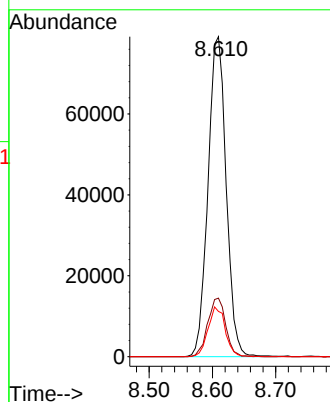
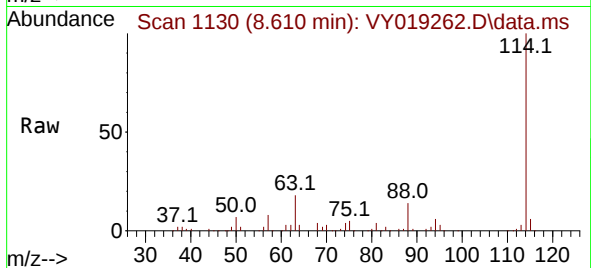
Tgt Ion:114 Resp: 158085

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.785 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019262.D

Acq: 23 Aug 2024 17:07

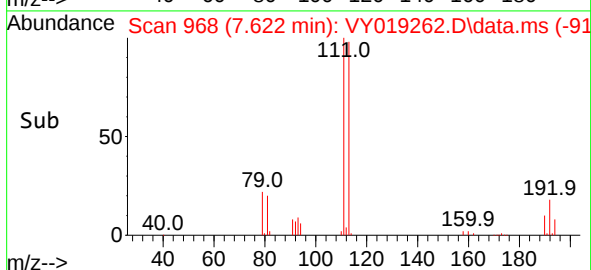
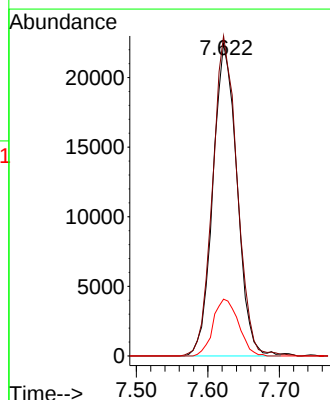
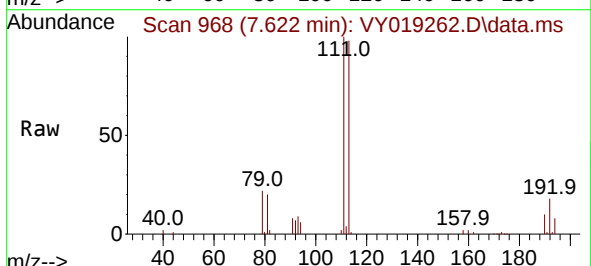
Tgt Ion:113 Resp: 52494

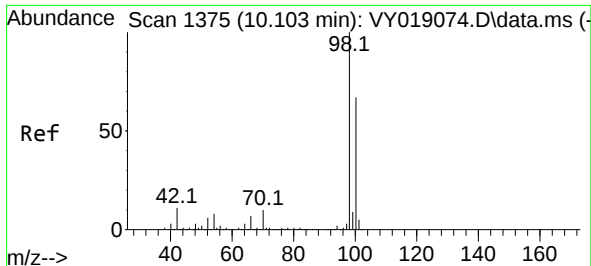
Ion Ratio Lower Upper

113 100

111 104.2 82.2 123.4

192 19.1 15.9 23.9

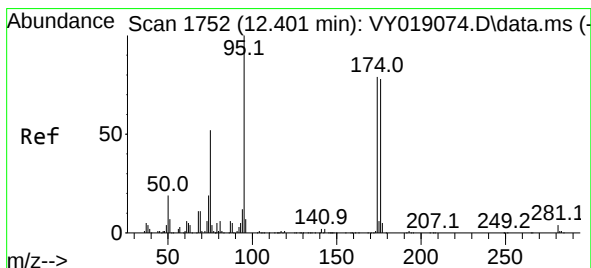
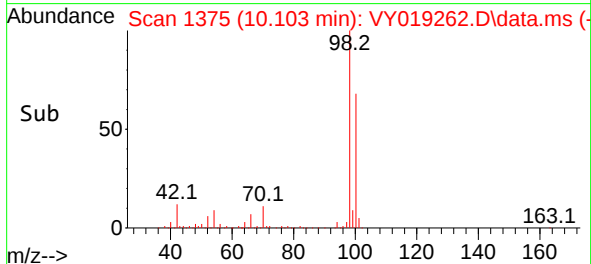
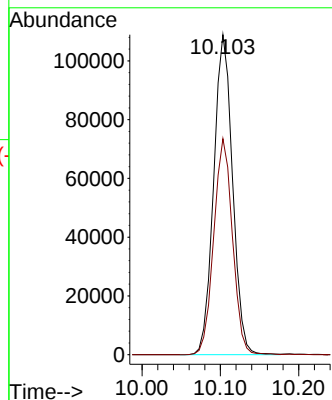
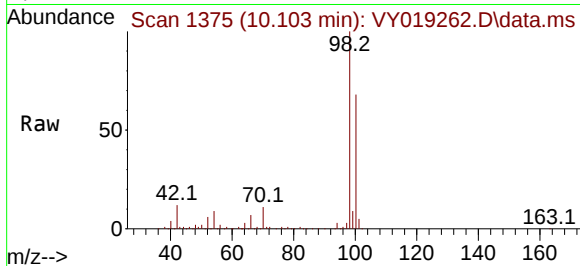




#50  
Toluene-d8  
Concen: 49.015 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019262.D  
Acq: 23 Aug 2024 17:07

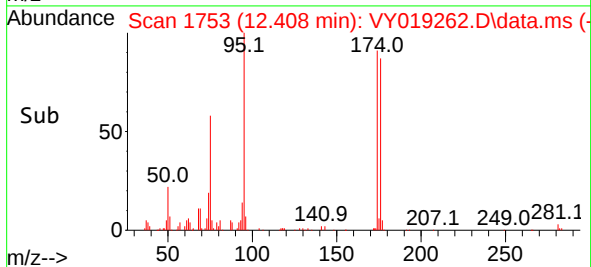
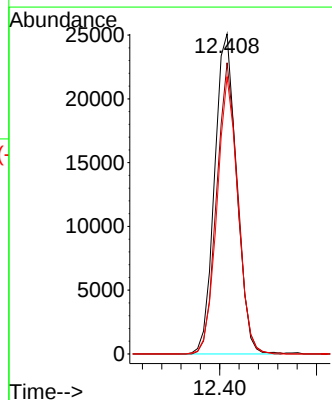
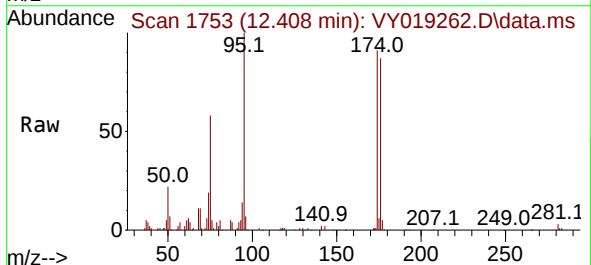
Instrument :  
MSVOA\_Y  
ClientSampleId :  
S-929-K1-SO-0.5-1-082024

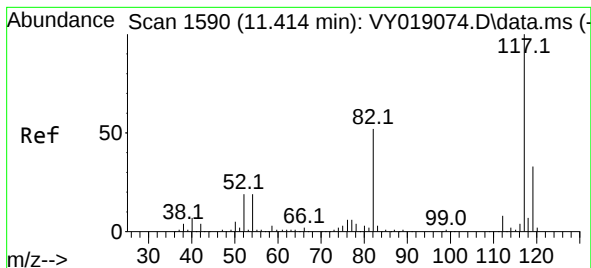
Tgt Ion: 98 Resp: 182326  
Ion Ratio Lower Upper  
98 100  
100 67.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 31.198 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019262.D  
Acq: 23 Aug 2024 17:07

Tgt Ion: 95 Resp: 39561  
Ion Ratio Lower Upper  
95 100  
174 87.2 0.0 175.6  
176 82.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019262.D

Acq: 23 Aug 2024 17:07

Instrument :

MSVOA\_Y

ClientSampleId :

S-929-K1-SO-0.5-1-082024

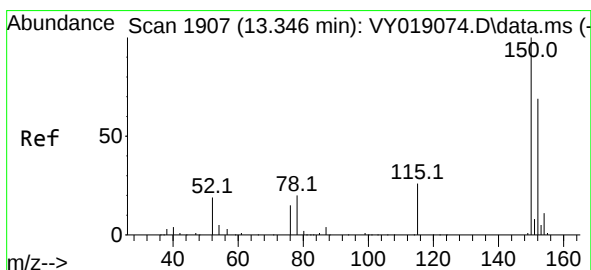
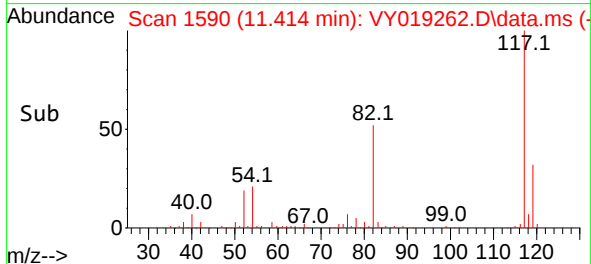
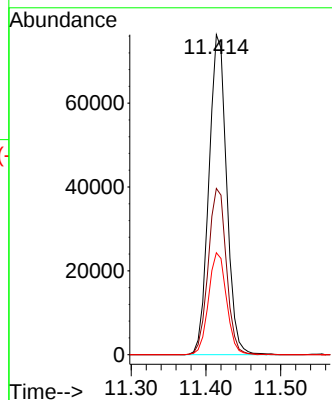
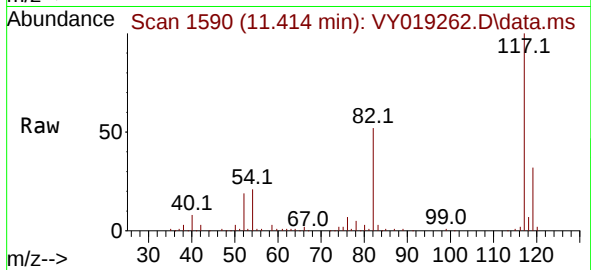
Tgt Ion:117 Resp: 125751

Ion Ratio Lower Upper

117 100

82 51.9 42.4 63.6

119 31.8 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019262.D

Acq: 23 Aug 2024 17:07

Tgt Ion:152 Resp: 29790

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 154.9 0.0 345.6

