

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101123\  
 Data File : VY015922.D  
 Acq On : 11 Oct 2023 14:34  
 Operator : SY/MD  
 Sample : 04804-01RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-02-100623RE

Quant Time: Oct 11 16:36:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 10 07:06:18 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 14611    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 23993    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 20087    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 7690     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 8607     | 65.468   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.940% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 7818     | 58.418   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 116.840% |
| 50) Toluene-d8              | 10.179 | 98    | 26452    | 59.974   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 119.940% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 7726     | 43.127   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 86.260%  |

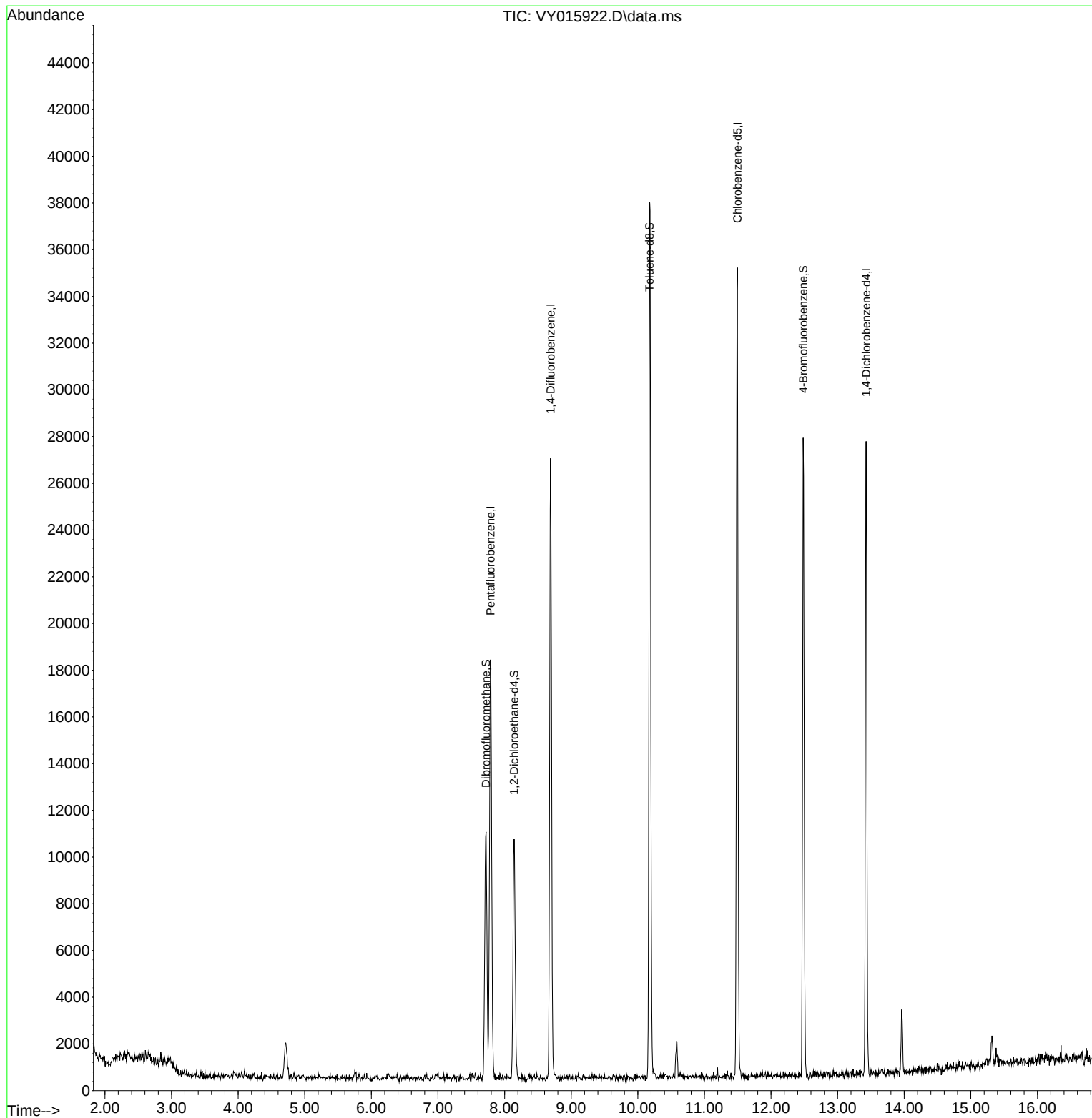
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

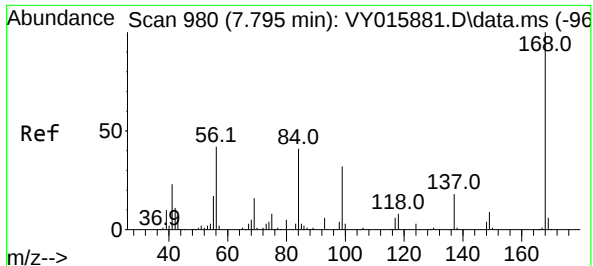
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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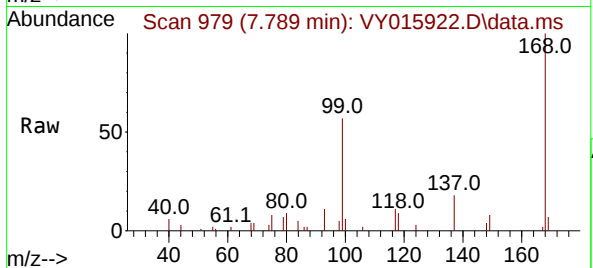
Quant Time: Oct 11 16:36:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100923S.M  
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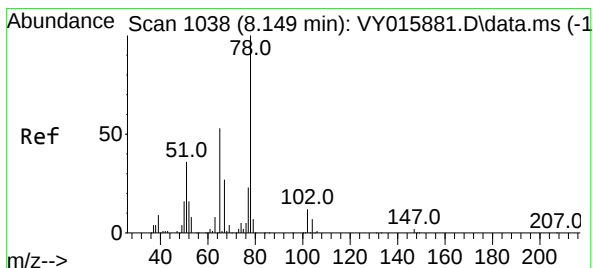
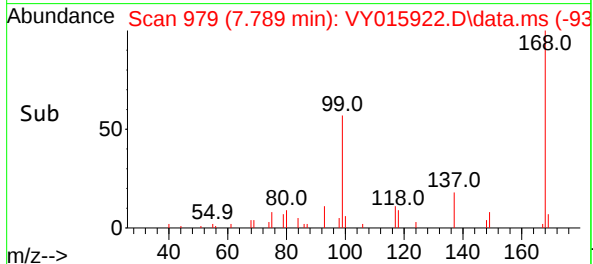
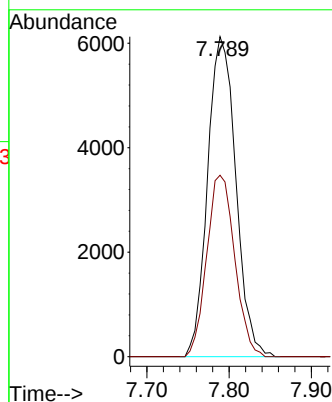


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015922.D  
Acq: 11 Oct 2023 14:34

Instrument :  
MSVOA\_Y  
ClientSampleId :  
HD-02-100623RE

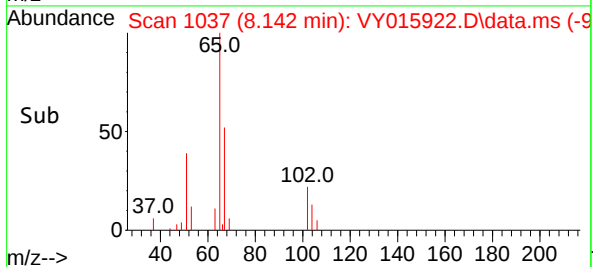
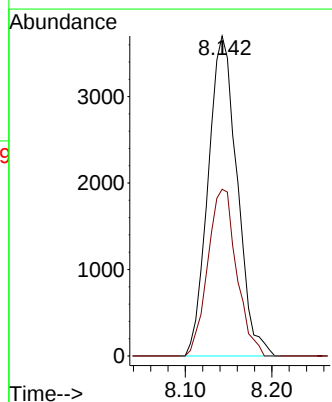
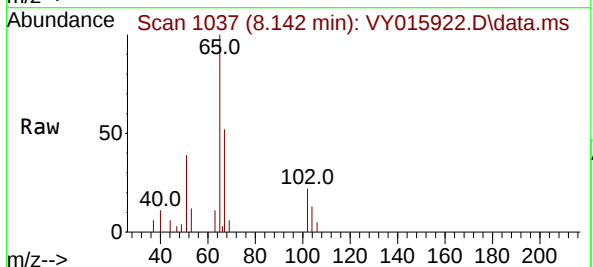


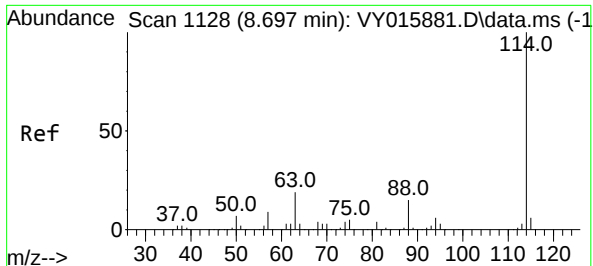
Tgt Ion:168 Resp: 14611  
Ion Ratio Lower Upper  
168 100  
99 56.7 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 65.468 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY015922.D  
Acq: 11 Oct 2023 14:34

Tgt Ion: 65 Resp: 8607  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY015922.D

Acq: 11 Oct 2023 14:34

Instrument :

MSVOA\_Y

ClientSampleId :

HD-02-100623RE

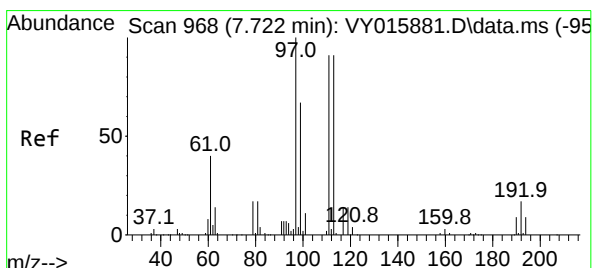
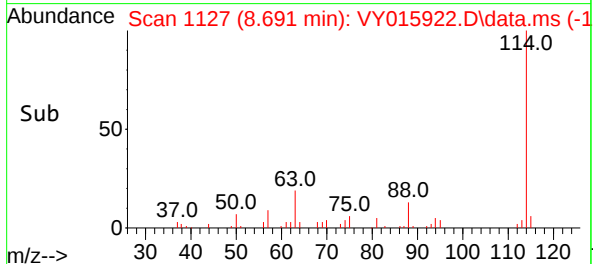
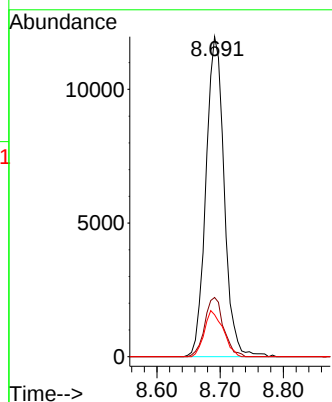
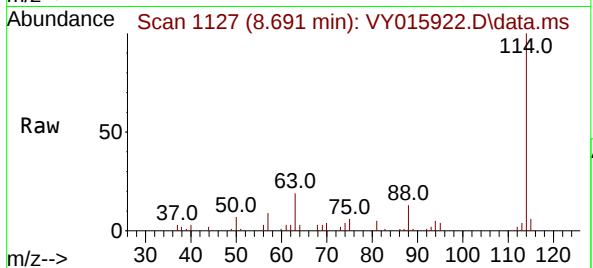
Tgt Ion:114 Resp: 23993

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.418 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015922.D

Acq: 11 Oct 2023 14:34

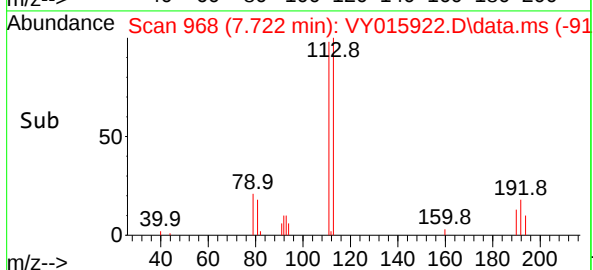
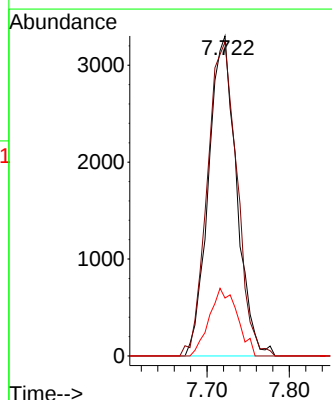
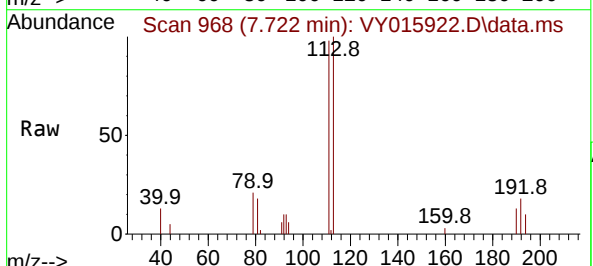
Tgt Ion:113 Resp: 7818

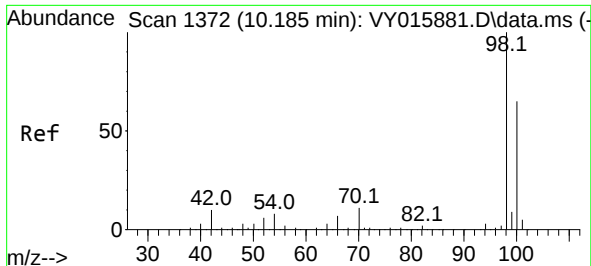
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 21.1 16.9 25.3

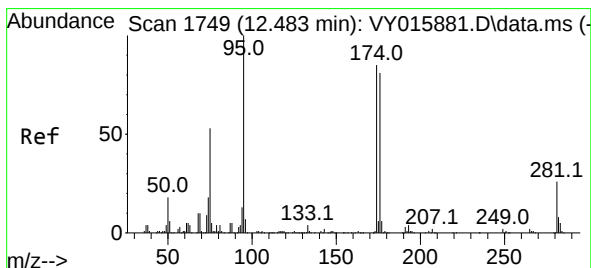
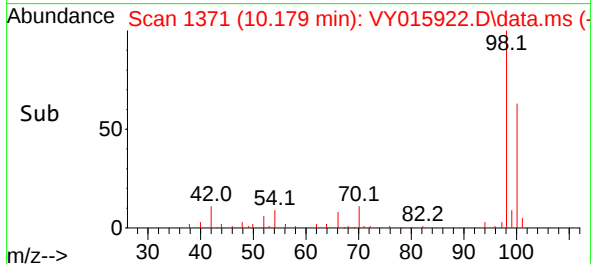
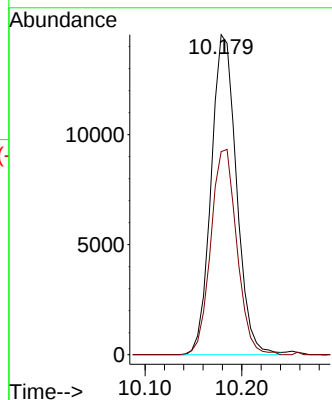
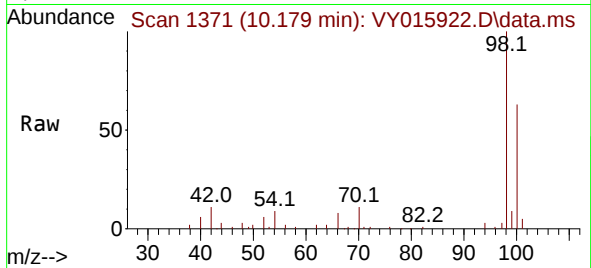




#50  
Toluene-d8  
Concen: 59.974 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015922.D  
Acq: 11 Oct 2023 14:34

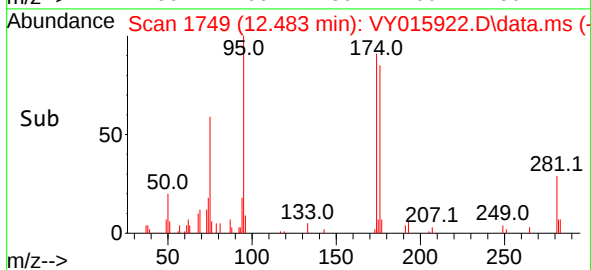
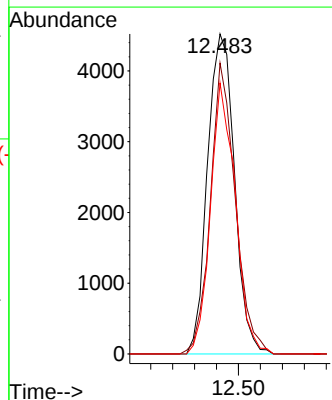
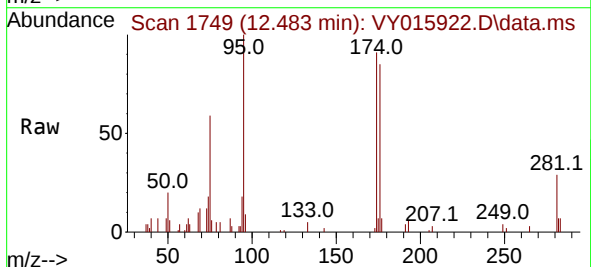
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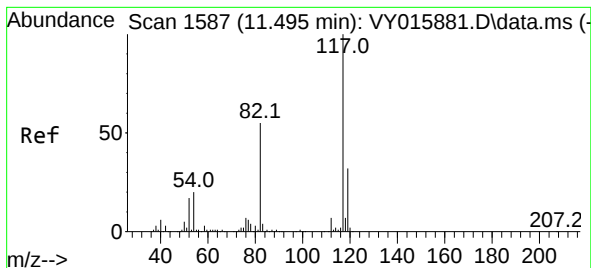
Tgt Ion: 98 Resp: 26452  
Ion Ratio Lower Upper  
98 100  
100 65.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 43.127 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY015922.D  
Acq: 11 Oct 2023 14:34

Tgt Ion: 95 Resp: 7726  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 178.2  
176 78.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015922.D

Acq: 11 Oct 2023 14:34

Instrument :

MSVOA\_Y

ClientSampleId :

HD-02-100623RE

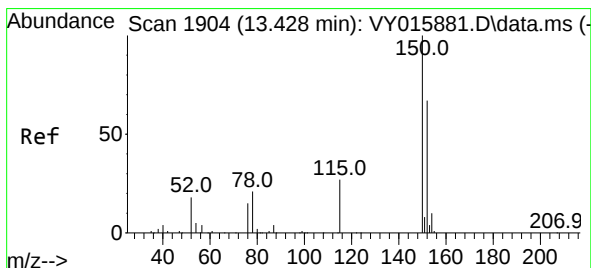
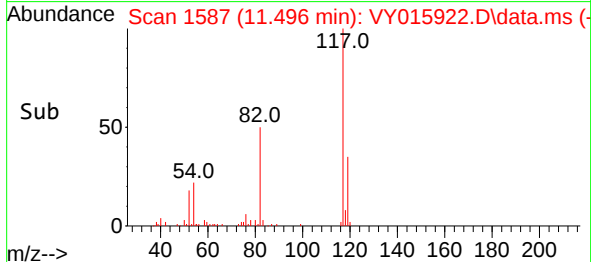
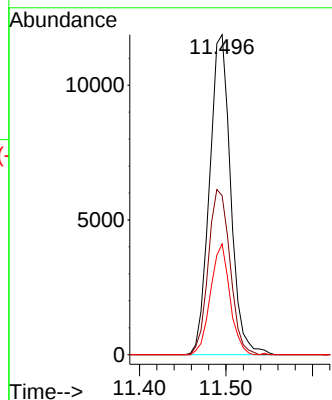
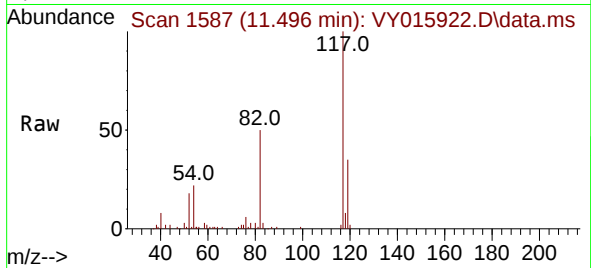
Tgt Ion:117 Resp: 20087

Ion Ratio Lower Upper

117 100

82 49.7 43.4 65.0

119 34.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015922.D

Acq: 11 Oct 2023 14:34

Tgt Ion:152 Resp: 7690

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.5

150 153.8 0.0 348.8

