

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050323\  
 Data File : VY013579.D  
 Acq On : 03 May 2023 14:13  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: May 04 01:20:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 209819   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 357531   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 348526   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 162179   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 152852   | 66.455   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.920% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 124236   | 55.248   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 110.500% |
| 50) Toluene-d8              | 10.179 | 98    | 440473   | 55.062   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 110.120% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 141044   | 52.299   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 104.600% |

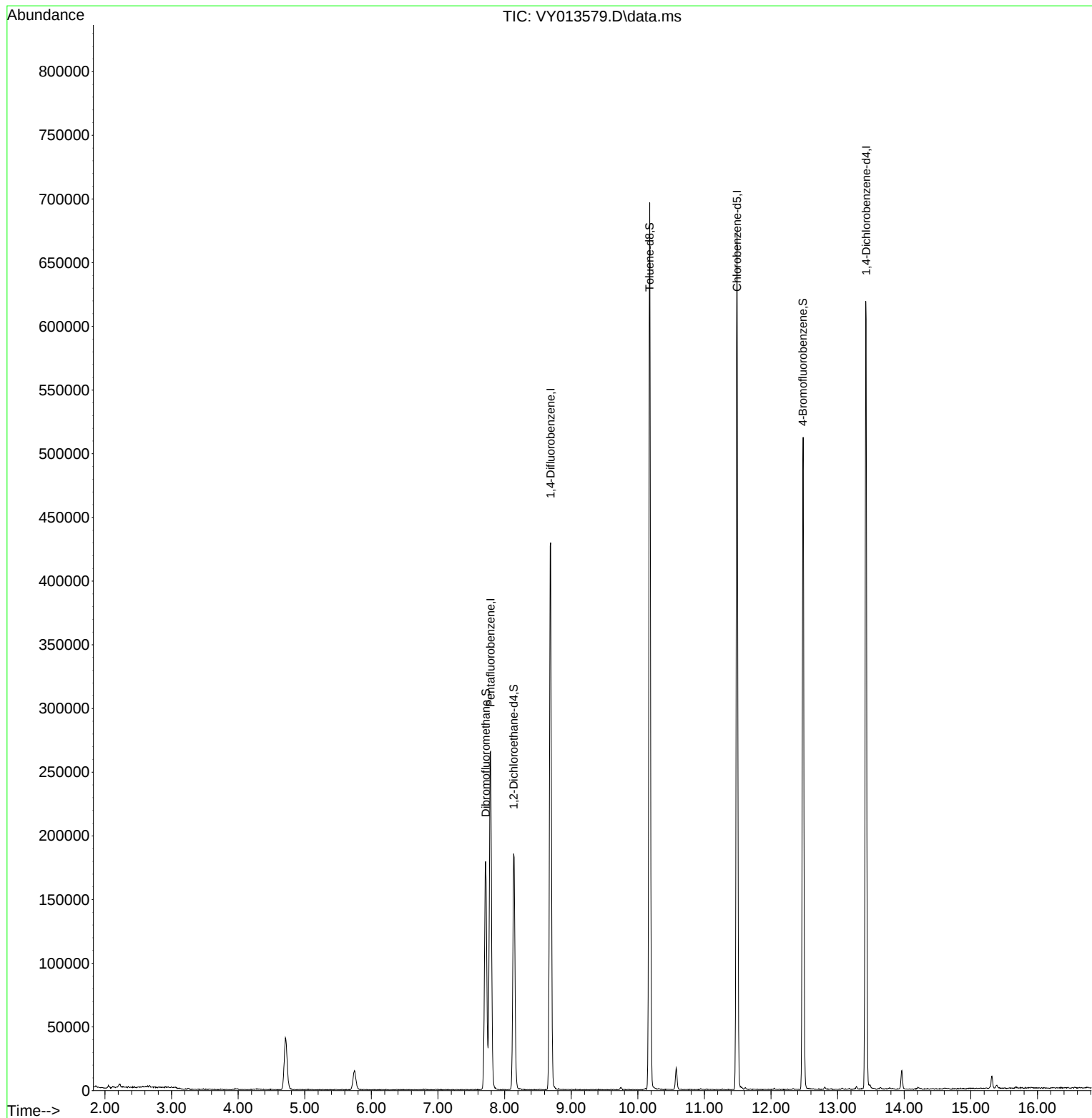
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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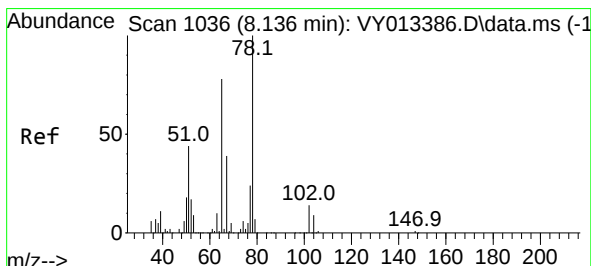
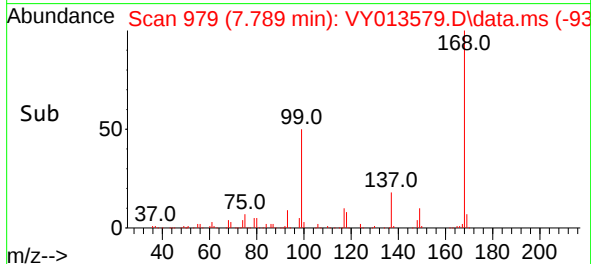
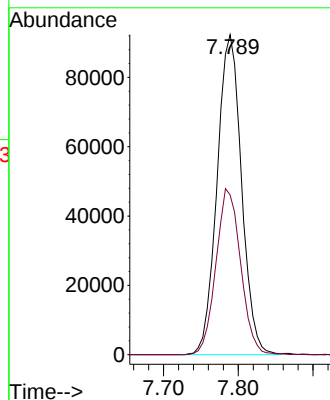
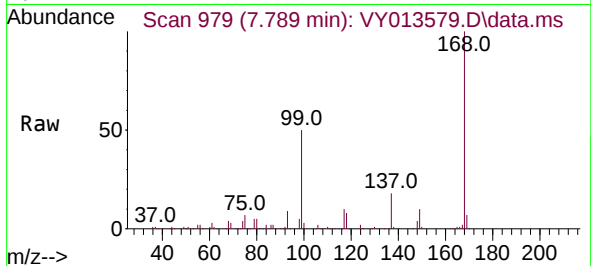




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

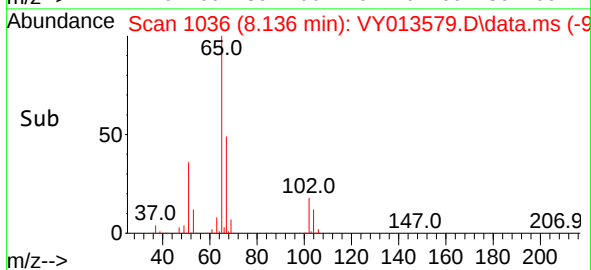
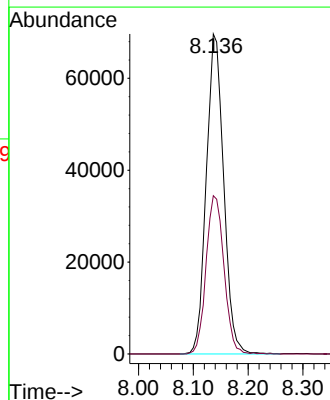
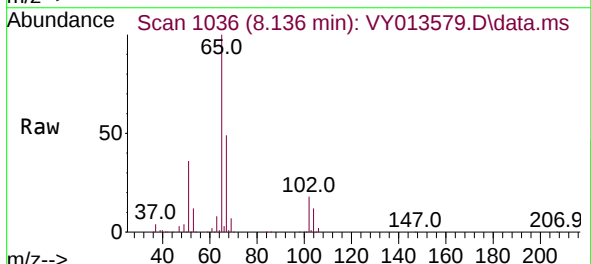
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

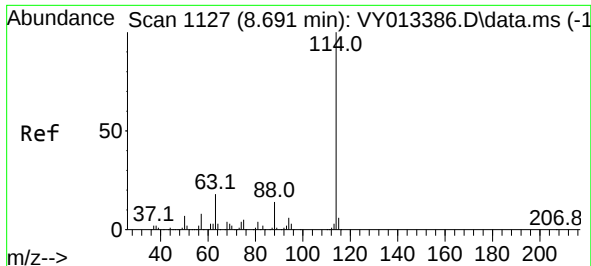
Tgt Ion:168 Resp: 209819  
Ion Ratio Lower Upper  
168 100  
99 49.9 41.8 62.6



#33  
1,2-Dichloroethane-d4  
Concen: 66.455 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

Tgt Ion: 65 Resp: 152852  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013579.D

Acq: 03 May 2023 14:13

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK

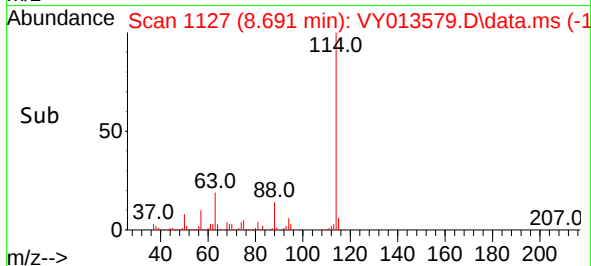
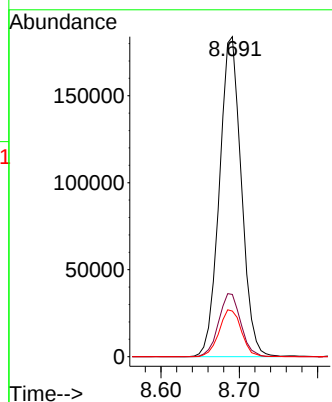
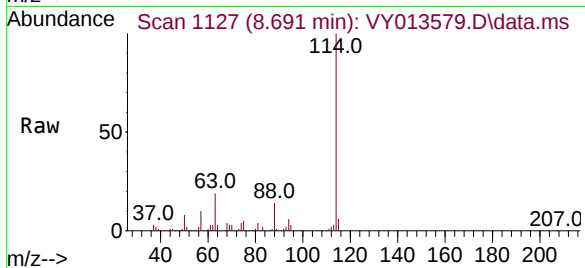
Tgt Ion:114 Resp: 357531

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.6

88 14.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 55.248 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013579.D

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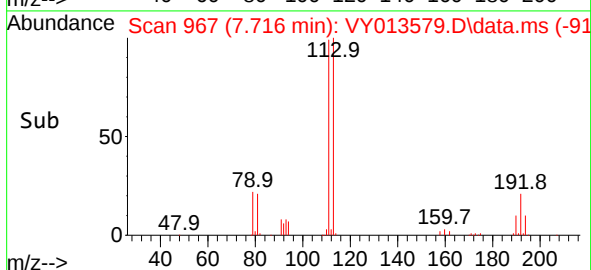
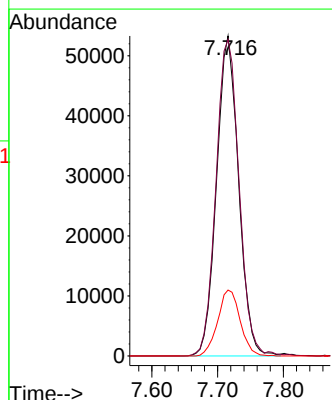
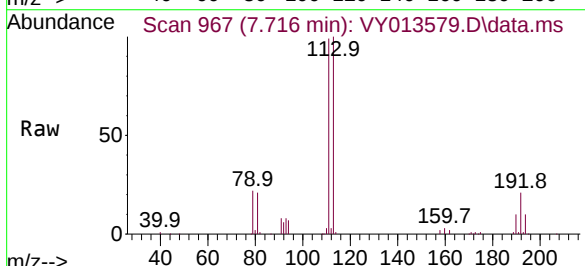
Tgt Ion:113 Resp: 124236

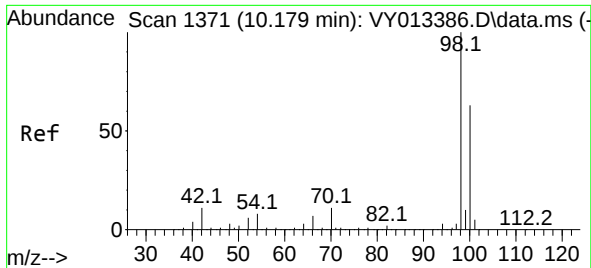
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 21.0 16.7 25.1

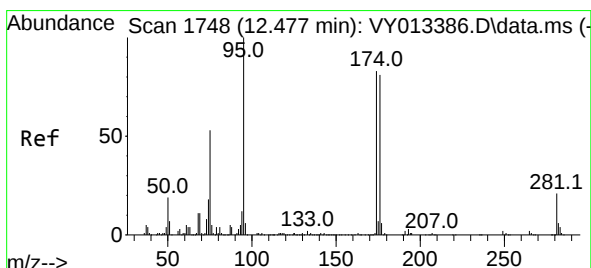
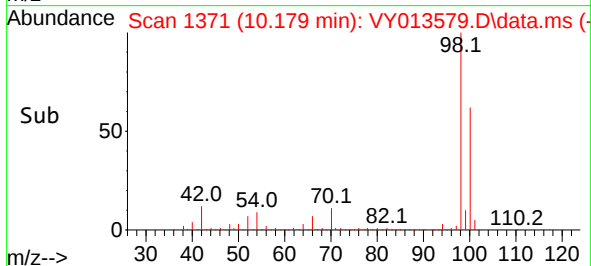
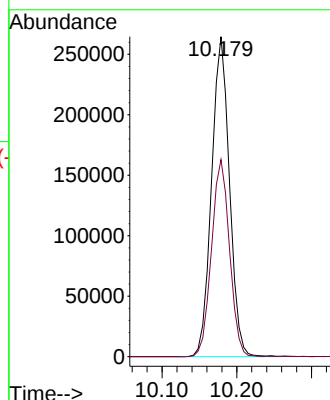
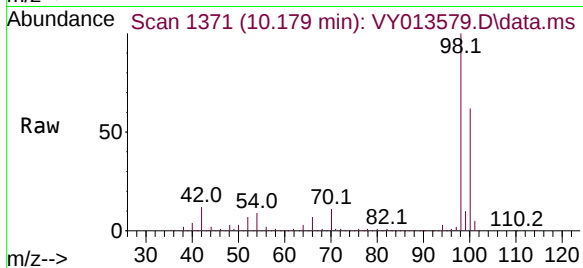




#50  
Toluene-d8  
Concen: 55.062 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

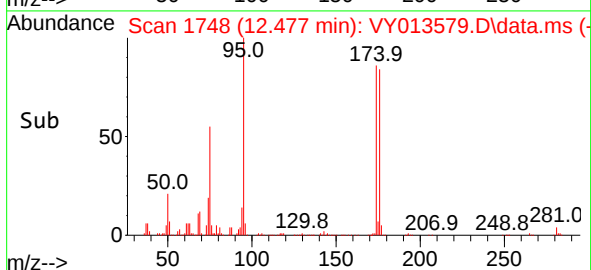
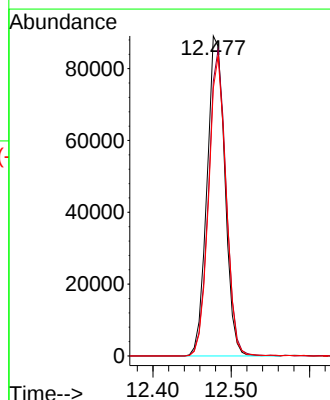
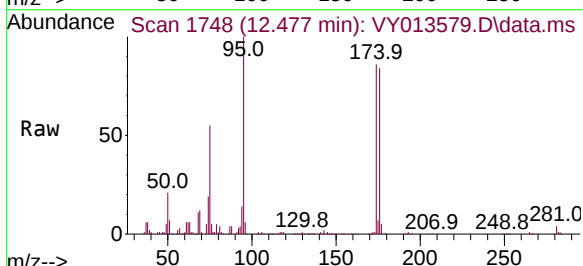
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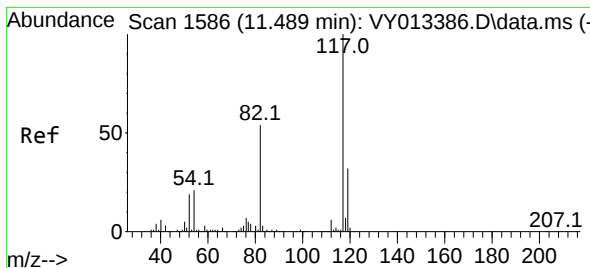
Tgt Ion: 98 Resp: 440473  
Ion Ratio Lower Upper  
98 100  
100 62.0 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 52.299 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

Tgt Ion: 95 Resp: 141044  
Ion Ratio Lower Upper  
95 100  
174 94.3 0.0 182.0  
176 91.3 0.0 175.4

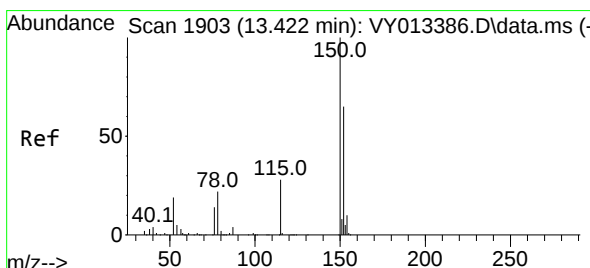
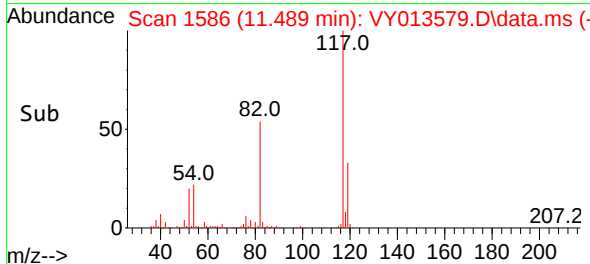
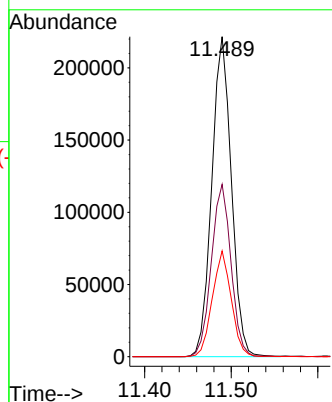
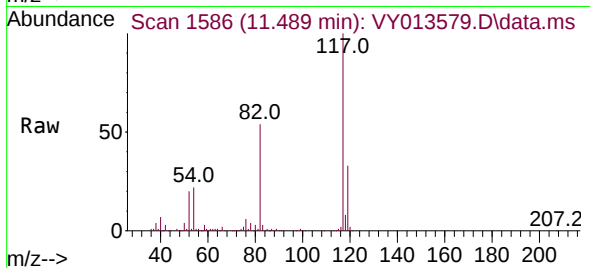




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Tgt Ion:117 Resp: 348526  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.6  
119 33.0 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY013579.D  
Acq: 03 May 2023 14:13

Tgt Ion:152 Resp: 162179  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.1 84.2  
150 156.5 0.0 352.0

