

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY070723\  
 Data File : VY014596.D  
 Acq On : 07 Jul 2023 10:46  
 Operator : KP/MD  
 Sample : VY0707SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0707SBL01

Quant Time: Jul 08 03:43:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 233118   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 368922   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 359110   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 171910   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 136629   | 58.917   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.840% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 126335   | 55.609   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 111.220% |
| 50) Toluene-d8              | 10.179 | 98    | 442926   | 49.319   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.640%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 146945   | 47.120   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 94.240%  |

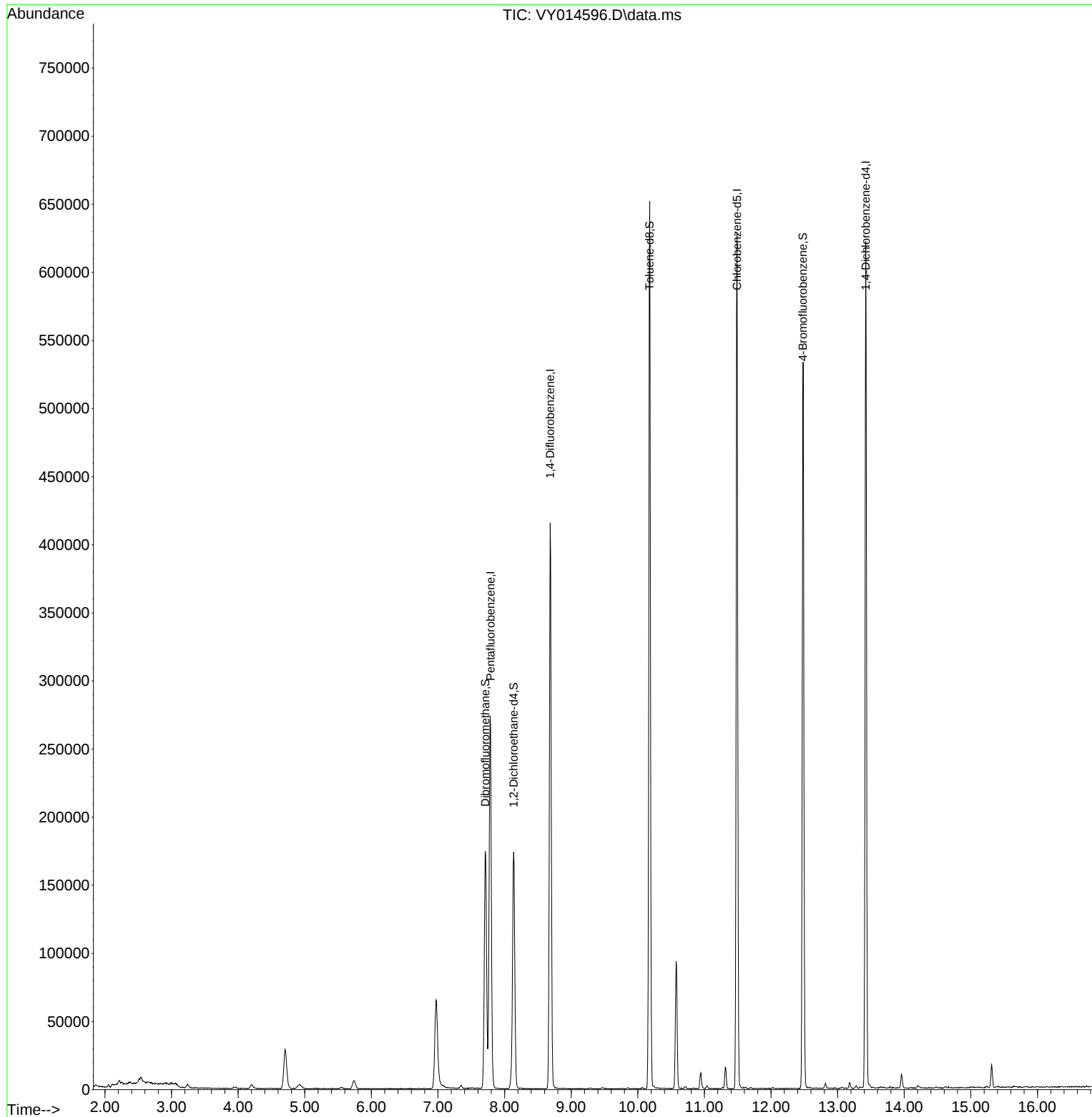
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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Quant Title : SW846 8260  
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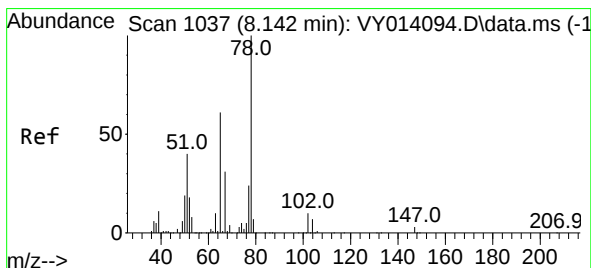
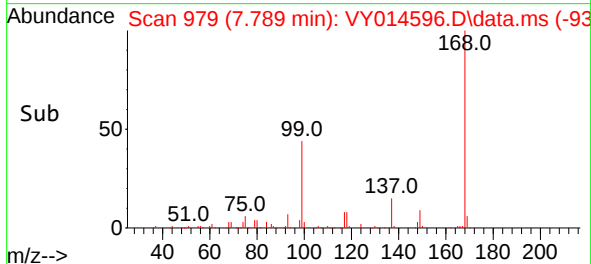
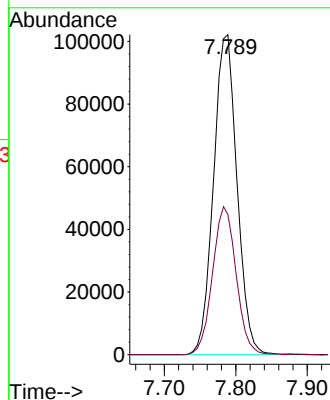
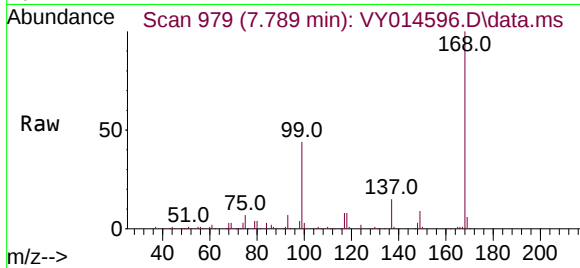




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

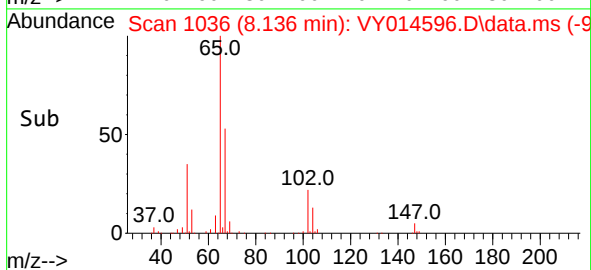
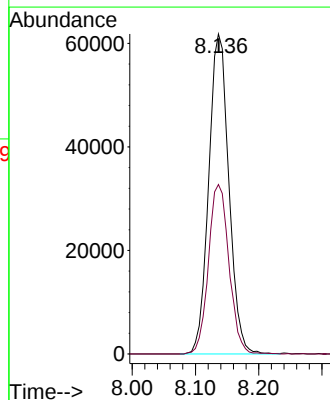
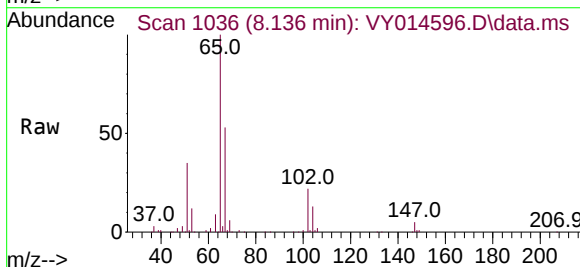
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0707SBL01

Tgt Ion:168 Resp: 233118  
Ion Ratio Lower Upper  
168 100  
99 43.8 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 58.917 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

Tgt Ion: 65 Resp: 136629  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

Instrument :

MSVOA\_Y

ClientSampleId :

VY0707SBL01

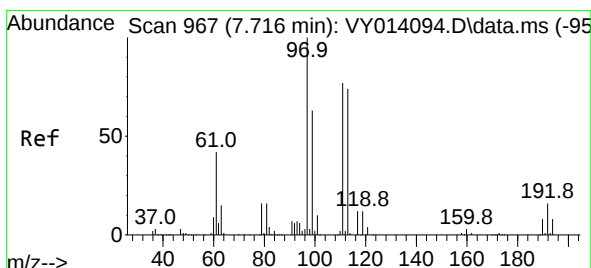
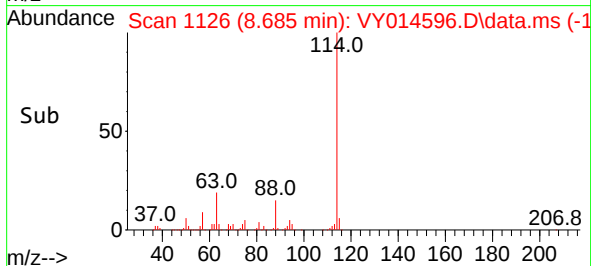
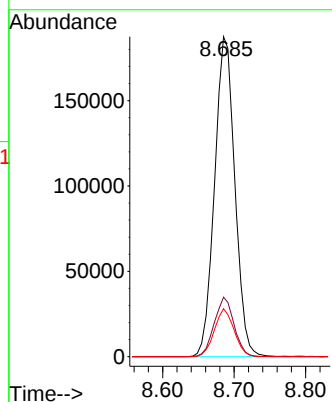
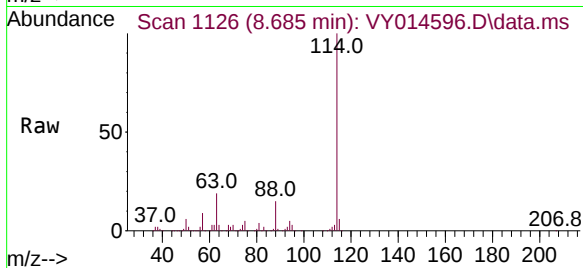
Tgt Ion:114 Resp: 368922

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.609 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014596.D

Acq: 07 Jul 2023 10:46

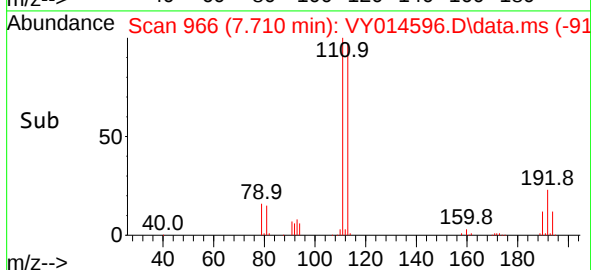
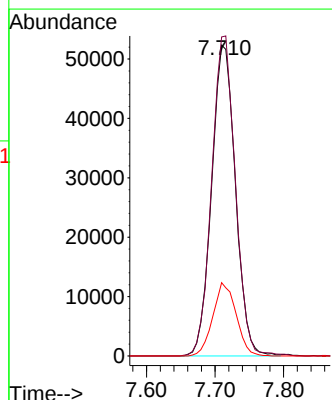
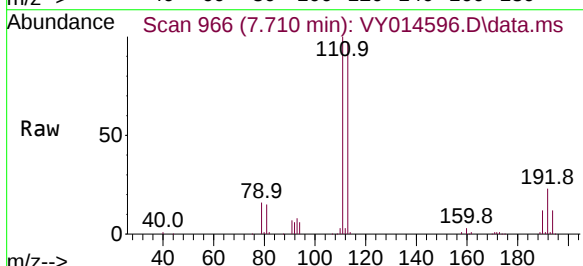
Tgt Ion:113 Resp: 126335

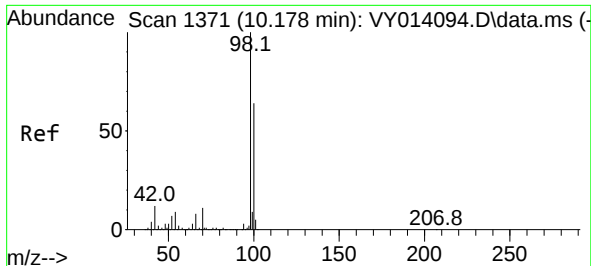
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 23.0 16.9 25.3

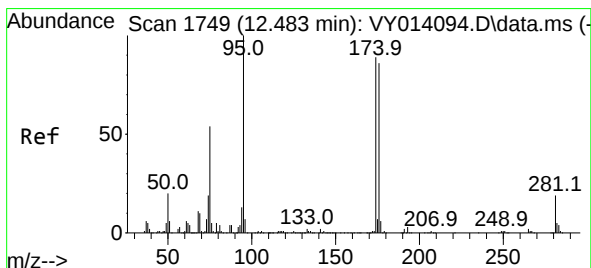
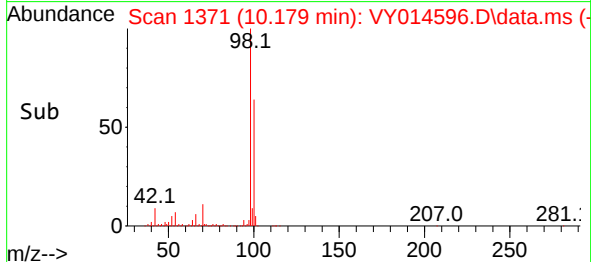
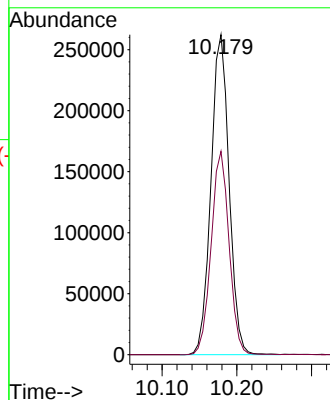
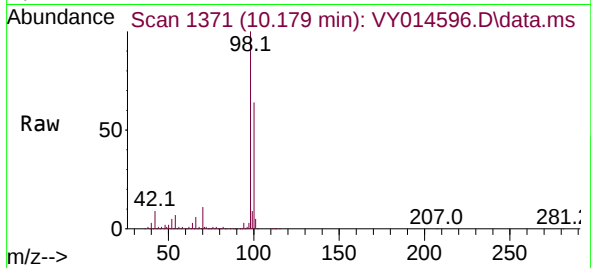




#50  
Toluene-d8  
Concen: 49.319 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.001 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

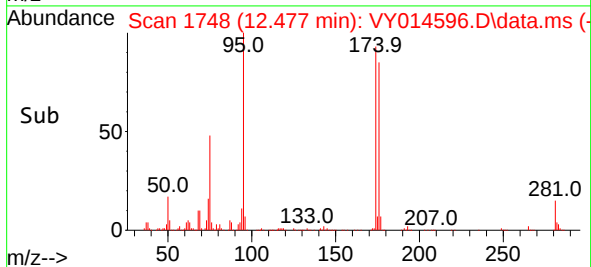
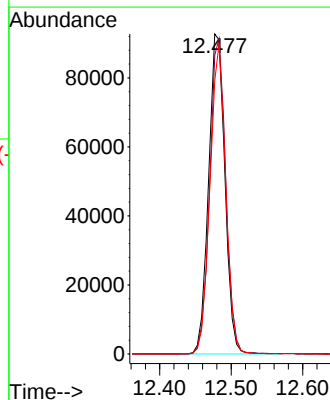
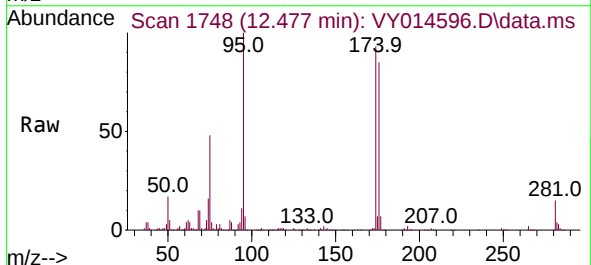
Instrument :  
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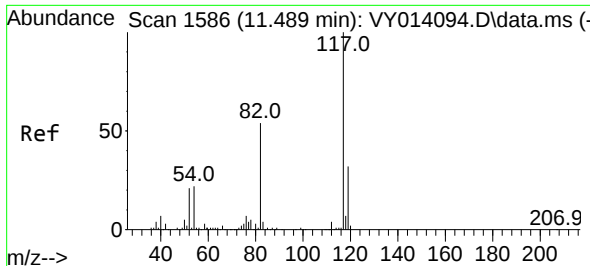
Tgt Ion: 98 Resp: 442926  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 47.120 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

Tgt Ion: 95 Resp: 146945  
Ion Ratio Lower Upper  
95 100  
174 97.0 0.0 178.2  
176 93.3 0.0 173.8

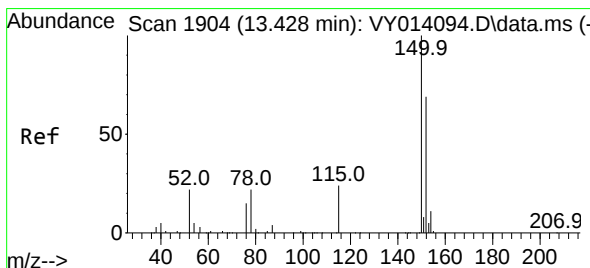
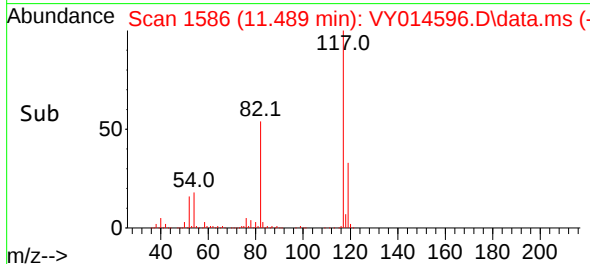
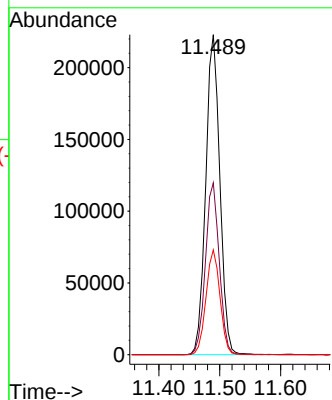
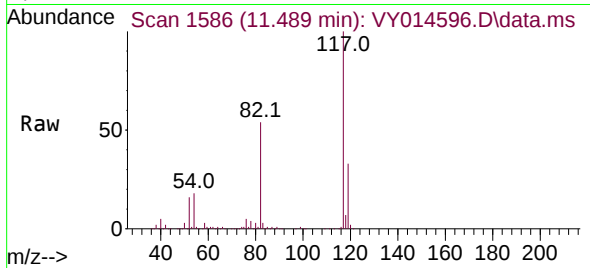




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0707SBL01

Tgt Ion:117 Resp: 359110  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.4 65.0  
119 32.8 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY014596.D  
Acq: 07 Jul 2023 10:46

Tgt Ion:152 Resp: 171910  
Ion Ratio Lower Upper  
152 100  
115 54.4 28.8 86.5  
150 155.4 0.0 348.8

