

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061523\  
 Data File : VY014197.D  
 Acq On : 15 Jun 2023 18:13  
 Operator : KP/MD  
 Sample : 03235-03  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-PLEASANT

Quant Time: Jun 16 02:11:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

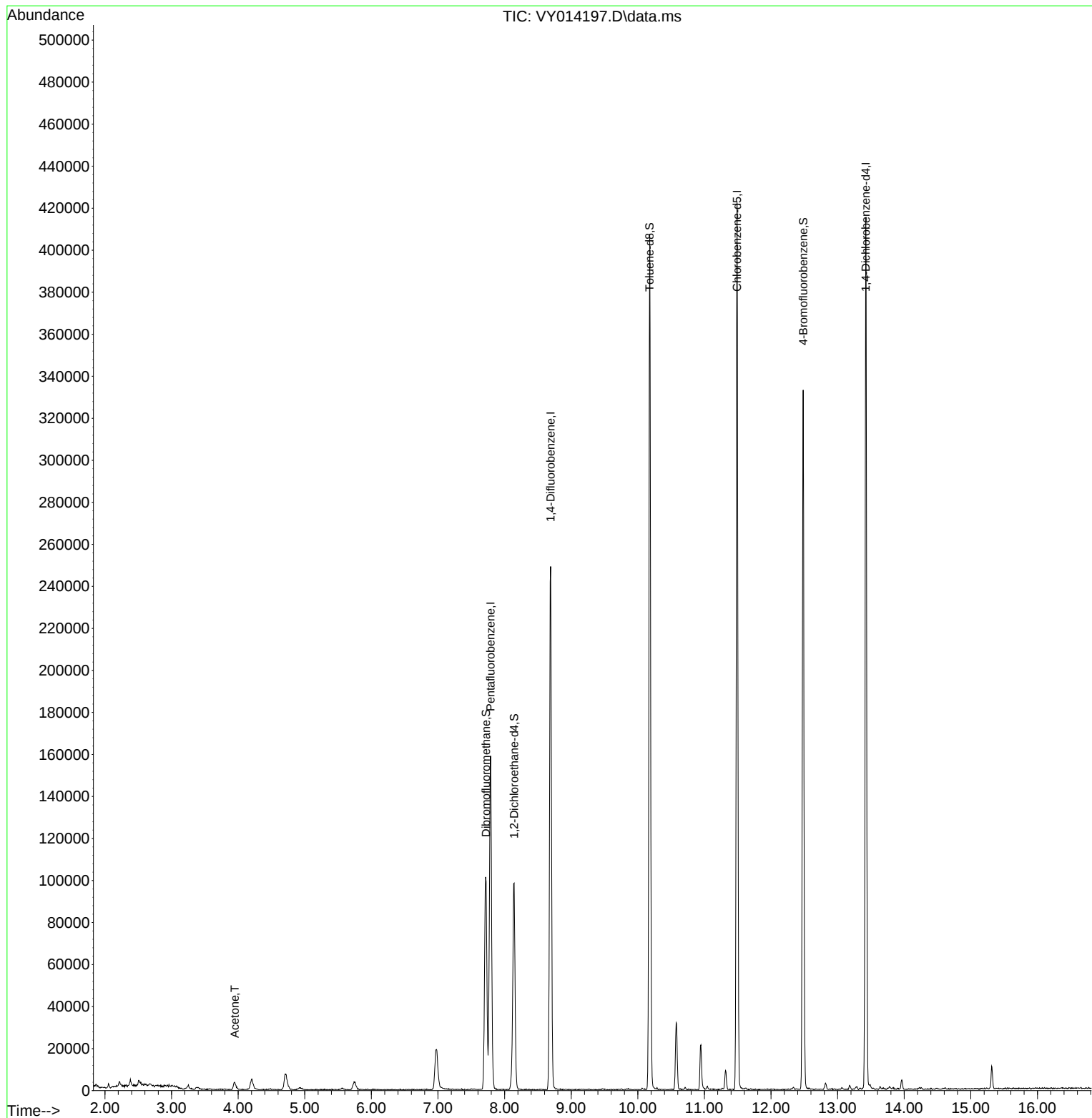
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 120955   | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 207676   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 222238   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 107383   | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 78705    | 46.728   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 93.460%   |
| 35) Dibromofluoromethane    | 7.722  | 113   | 70771    | 48.052   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 96.100%   |
| 50) Toluene-d8              | 10.179 | 98    | 260947   | 47.392   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 94.780%   |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 89277    | 45.644   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 91.280%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.948  | 43    | 6305     | 12.419   | ug/l  | Qvalue 98 |
| -----                       |        |       |          |          |       |           |

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

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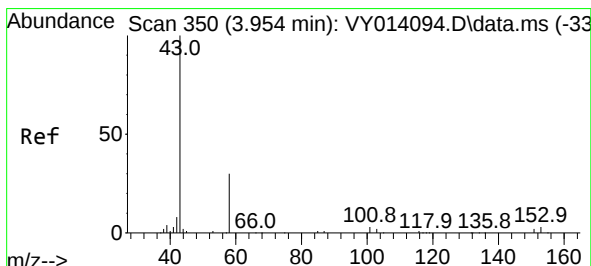
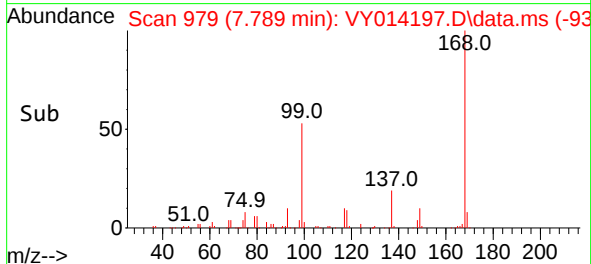
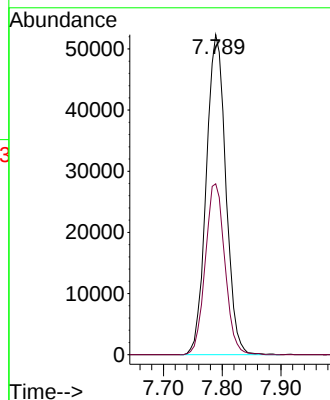
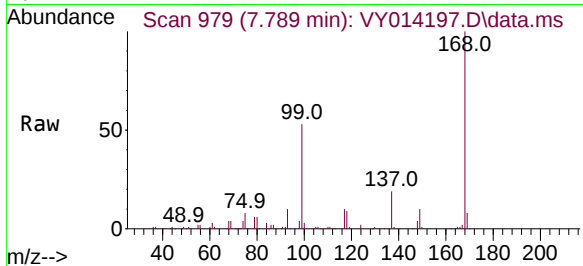




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014197.D  
Acq: 15 Jun 2023 18:13

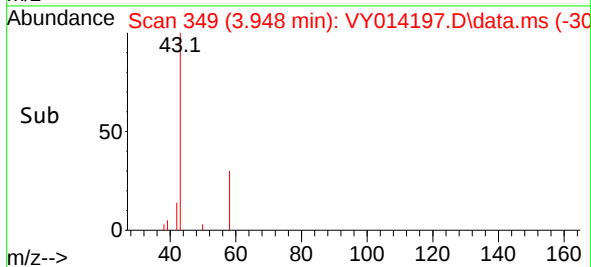
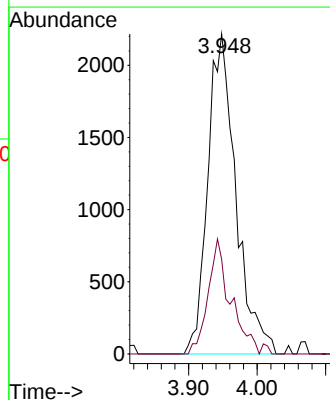
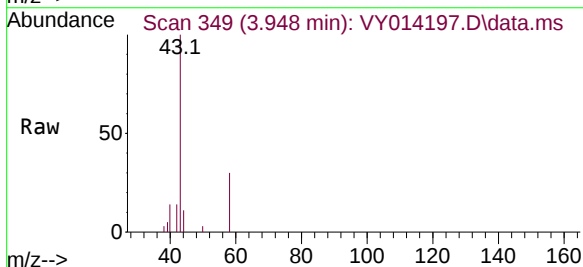
Instrument :  
MSVOA\_Y  
ClientSampleId :  
B-PLEASANT

Tgt Ion:168 Resp: 120955  
Ion Ratio Lower Upper  
168 100  
99 53.4 43.4 65.0



#16  
Acetone  
Concen: 12.419 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY014197.D  
Acq: 15 Jun 2023 18:13

Tgt Ion: 43 Resp: 6305  
Ion Ratio Lower Upper  
43 100  
58 29.6 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 46.728 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014197.D

Acq: 15 Jun 2023 18:13

Instrument :

MSVOA\_Y

ClientSampleId :

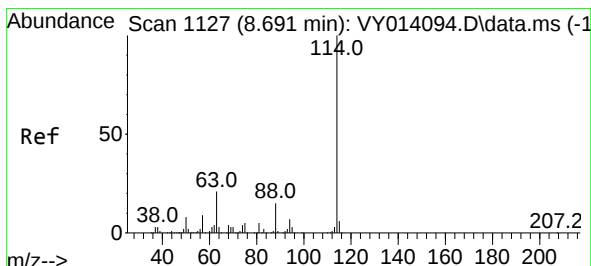
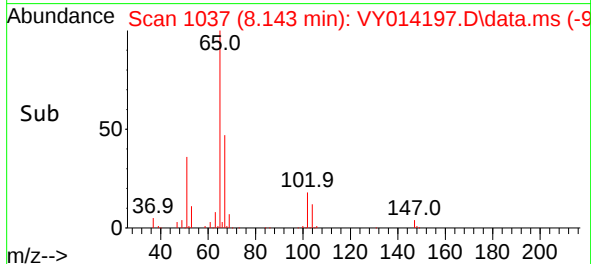
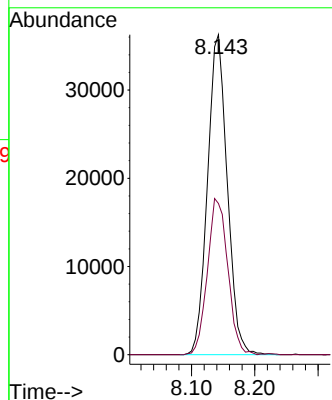
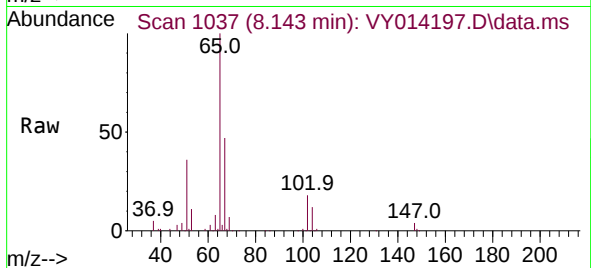
B-PLEASANT

Tgt Ion: 65 Resp: 78705

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014197.D

Acq: 15 Jun 2023 18:13

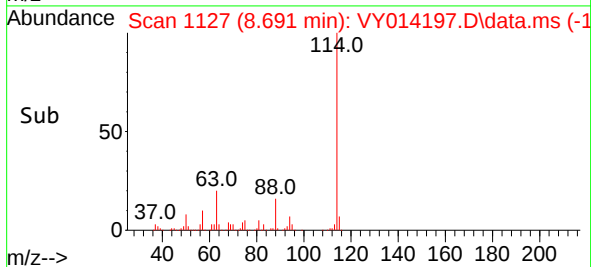
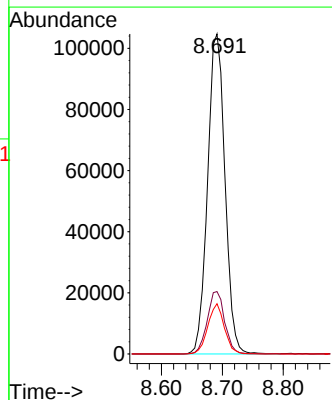
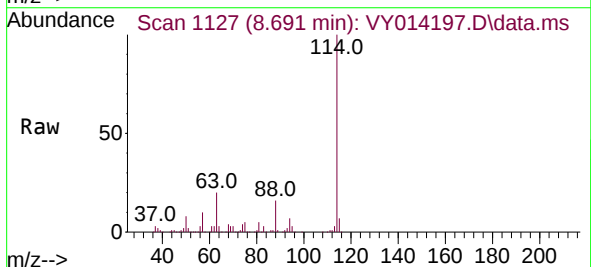
Tgt Ion: 114 Resp: 207676

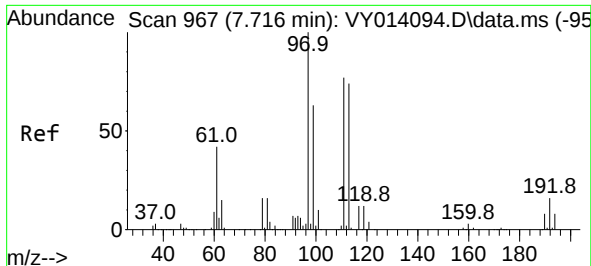
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.052 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014197.D

Acq: 15 Jun 2023 18:13

Instrument :

MSVOA\_Y

ClientSampleId :

B-PLEASANT

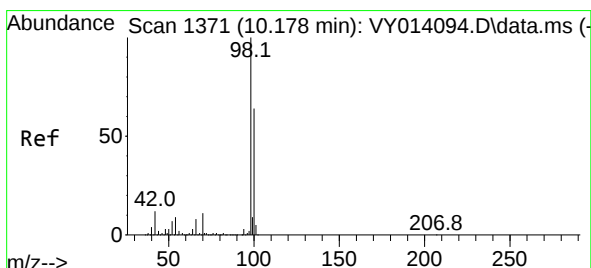
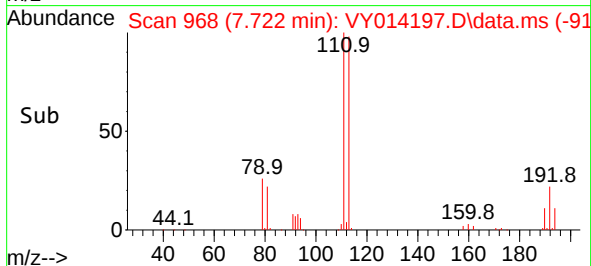
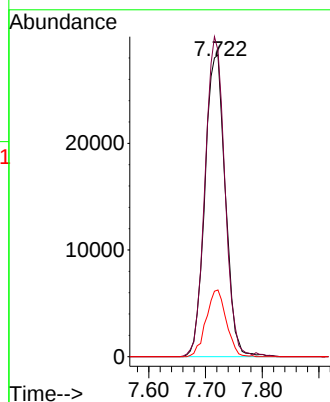
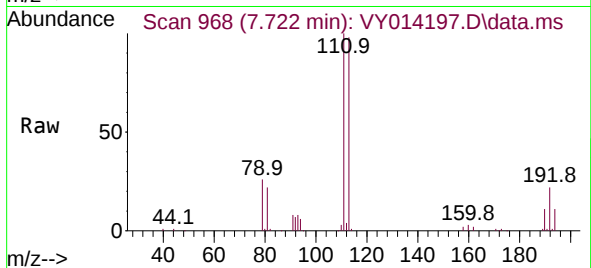
Tgt Ion:113 Resp: 70771

Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 21.8 16.9 25.3



#50

Toluene-d8

Concen: 47.392 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014197.D

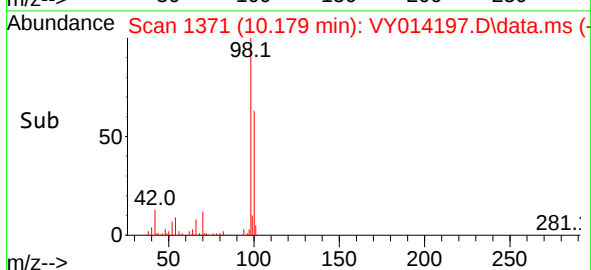
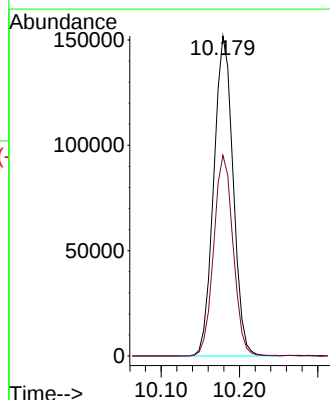
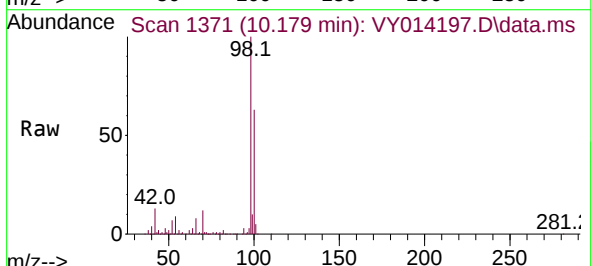
Acq: 15 Jun 2023 18:13

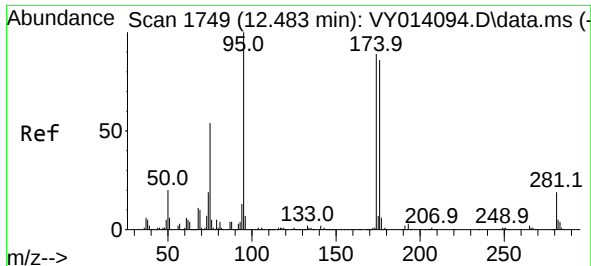
Tgt Ion: 98 Resp: 260947

Ion Ratio Lower Upper

98 100

100 62.7 50.1 75.1

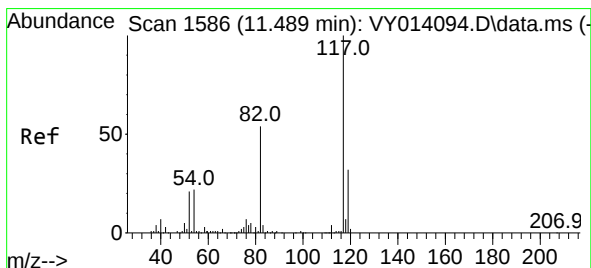
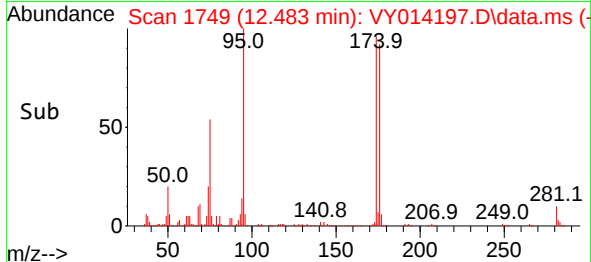
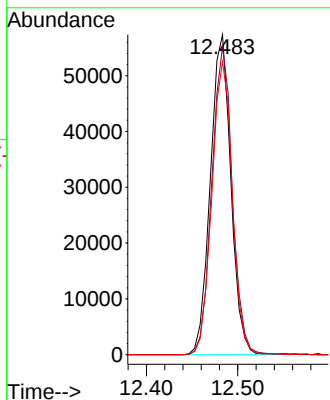
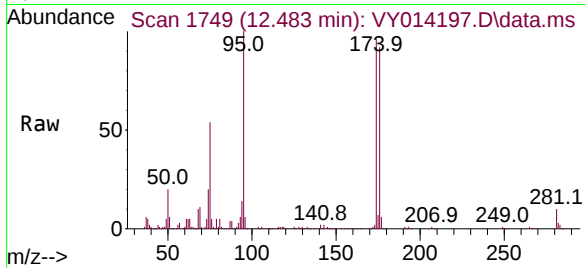




#62  
4-Bromofluorobenzene  
Concen: 45.644 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014197.D  
Acq: 15 Jun 2023 18:13

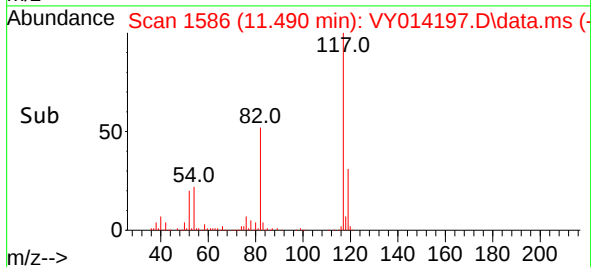
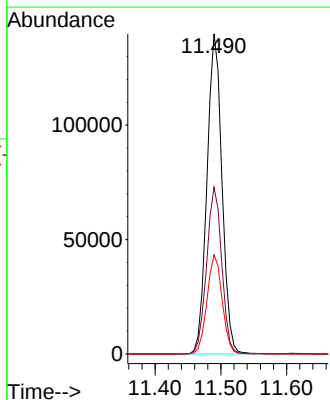
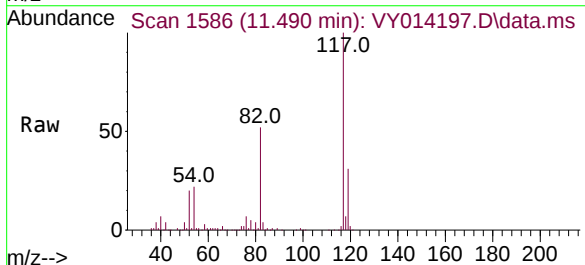
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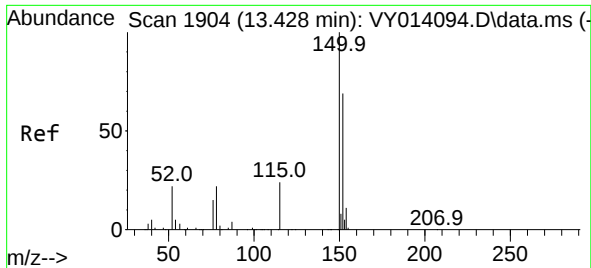
Tgt Ion: 95 Resp: 89277  
Ion Ratio Lower Upper  
95 100  
174 96.0 0.0 178.2  
176 91.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY014197.D  
Acq: 15 Jun 2023 18:13

Tgt Ion: 117 Resp: 222238  
Ion Ratio Lower Upper  
117 100  
82 52.1 43.4 65.0  
119 31.0 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: VY014197.D  
 Acq: 15 Jun 2023 18:13

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-PLEASANT

Tgt Ion:152 Resp: 107383  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 54.8  | 28.8  | 86.5  |
| 150 | 153.6 | 0.0   | 348.8 |

