

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031524\  
 Data File : VY017680.D  
 Acq On : 15 Mar 2024 18:09  
 Operator : SY/MD  
 Sample : P1746-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-01-0-2.0

Quant Time: Mar 16 00:19:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022324S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Feb 24 04:41:20 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 113143   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 207770   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 188967   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 70555    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 54068    | 50.423   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.840% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 68742    | 47.480   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 94.960%  |
| 50) Toluene-d8              | 10.179 | 98    | 241815   | 47.770   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.540%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 63706    | 40.045   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 80.080%  |

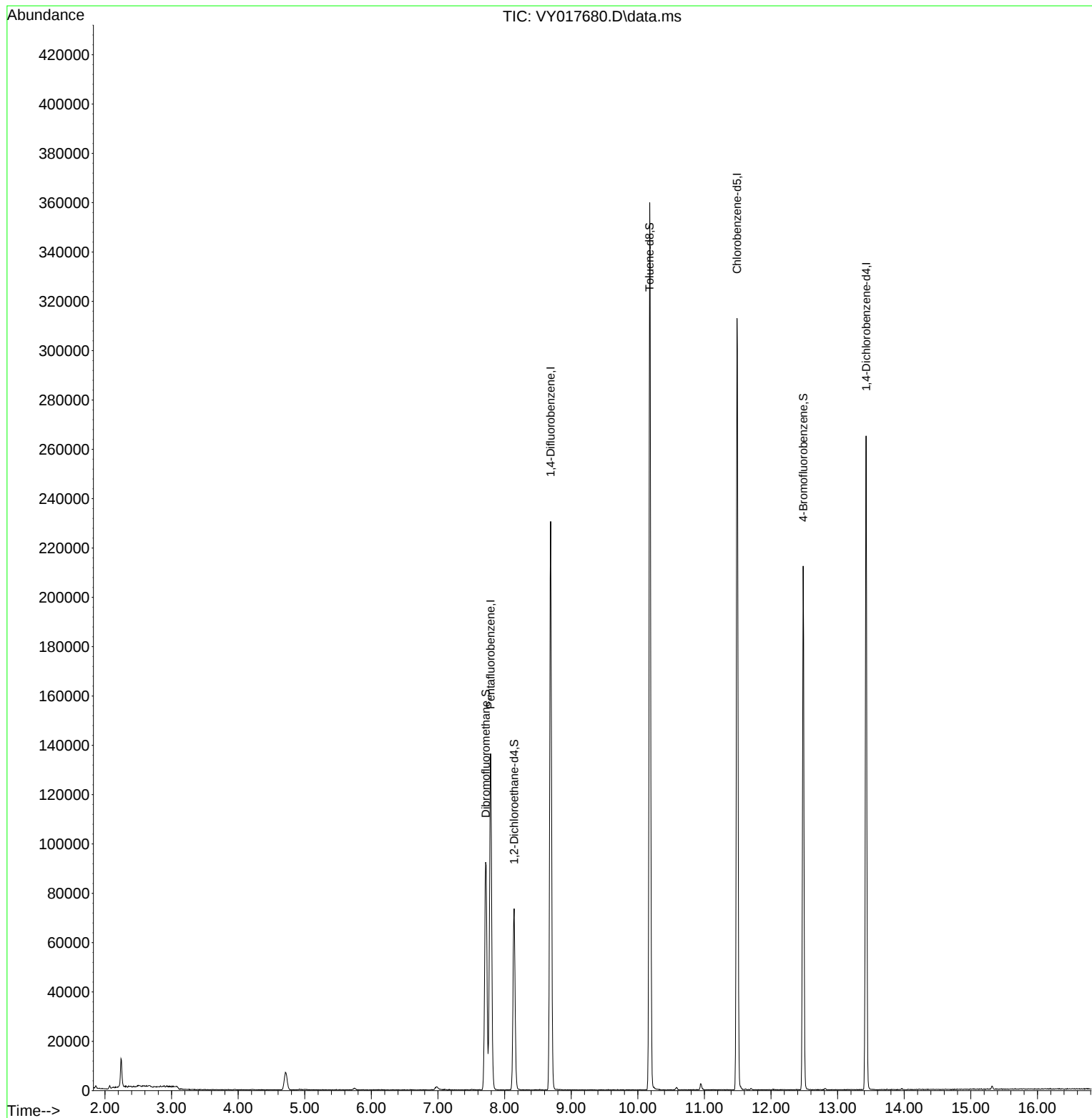
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

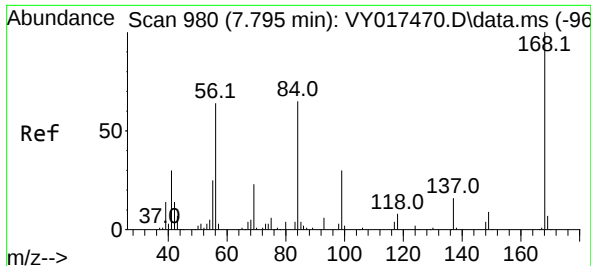
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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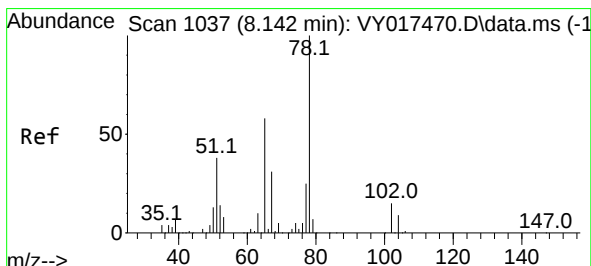
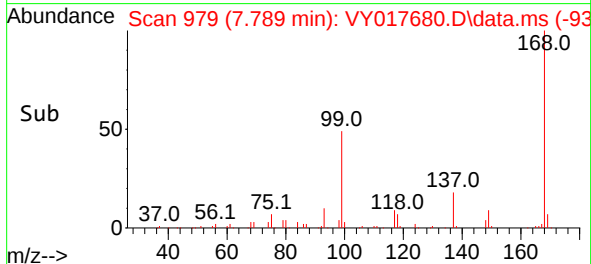
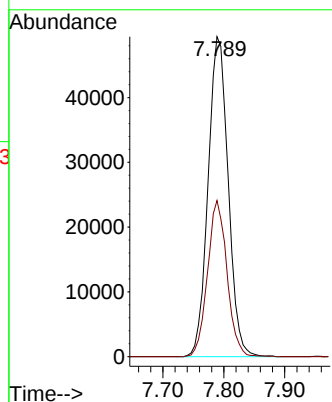
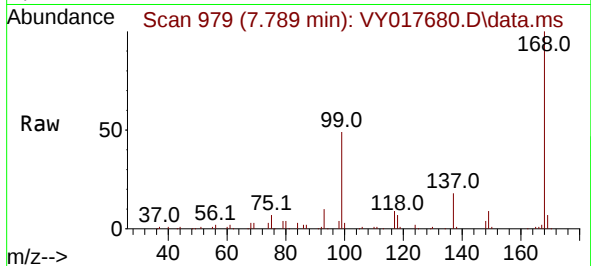




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

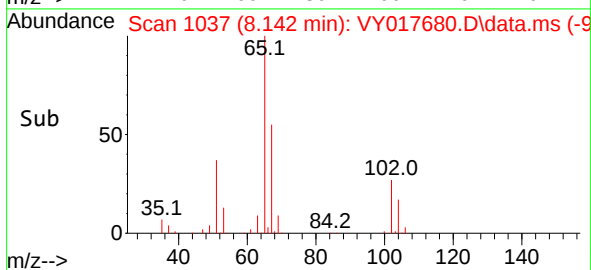
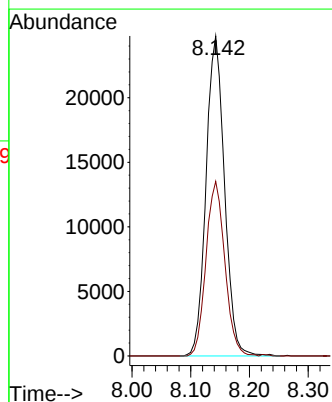
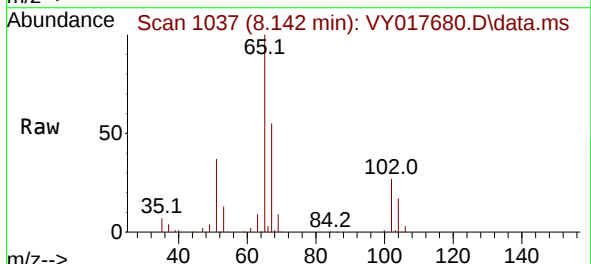
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-0-2.0

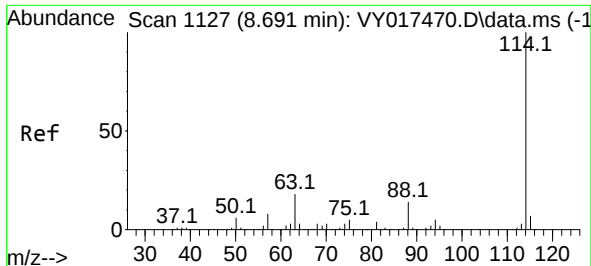
Tgt Ion:168 Resp: 113143  
Ion Ratio Lower Upper  
168 100  
99 48.8 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 50.423 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

Tgt Ion: 65 Resp: 54068  
Ion Ratio Lower Upper  
65 100  
67 55.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017680.D

Acq: 15 Mar 2024 18:09

Instrument :

MSVOA\_Y

ClientSampleId :

SB-01-0-2.0

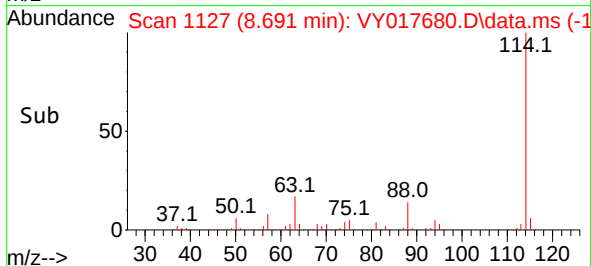
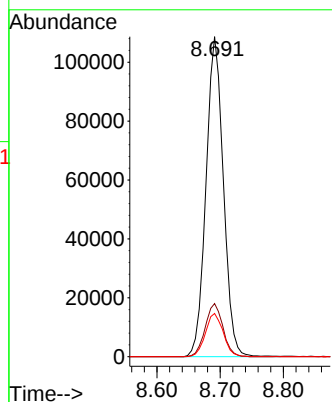
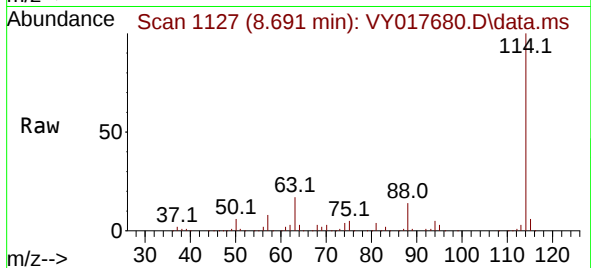
Tgt Ion:114 Resp: 207770

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.480 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017680.D

Acq: 15 Mar 2024 18:09

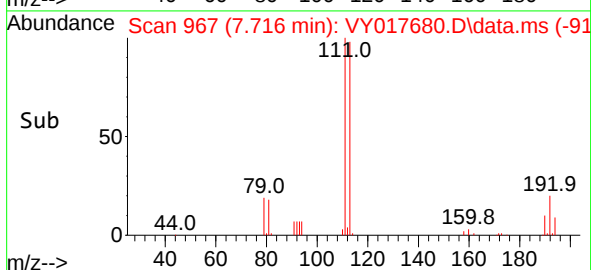
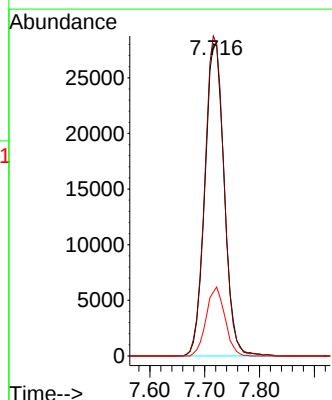
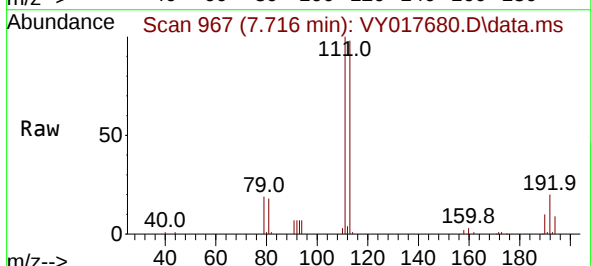
Tgt Ion:113 Resp: 68742

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 21.3 15.9 23.9

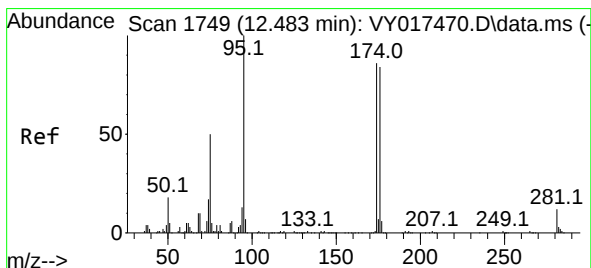
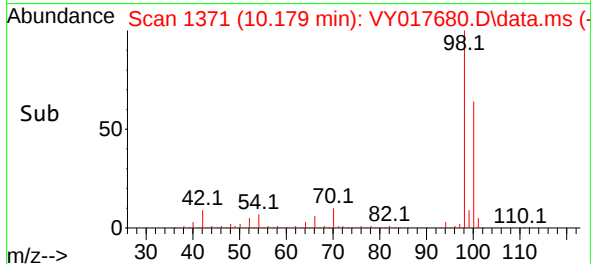
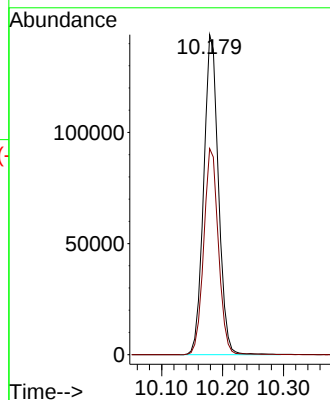
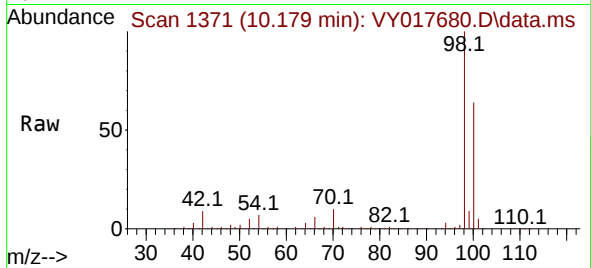




#50  
Toluene-d8  
Concen: 47.770 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

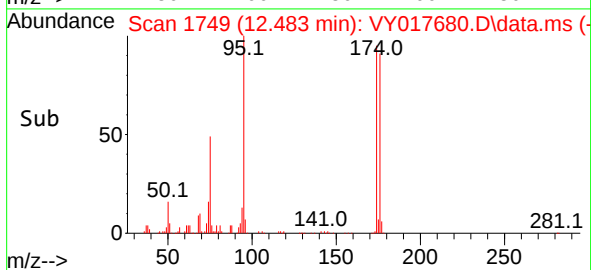
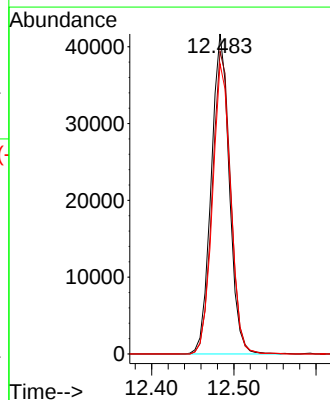
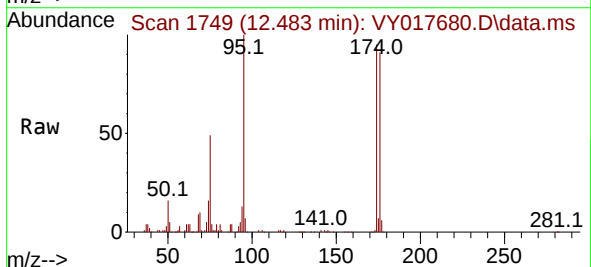
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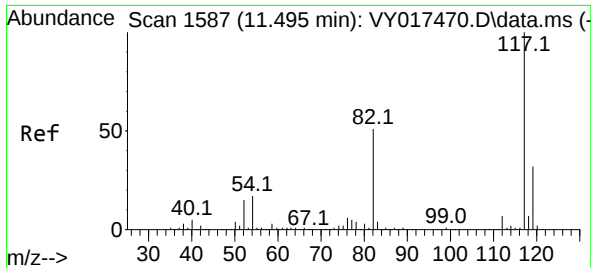
Tgt Ion: 98 Resp: 241815  
Ion Ratio Lower Upper  
98 100  
100 64.1 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 40.045 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

Tgt Ion: 95 Resp: 63706  
Ion Ratio Lower Upper  
95 100  
174 96.1 0.0 175.6  
176 91.4 0.0 171.4

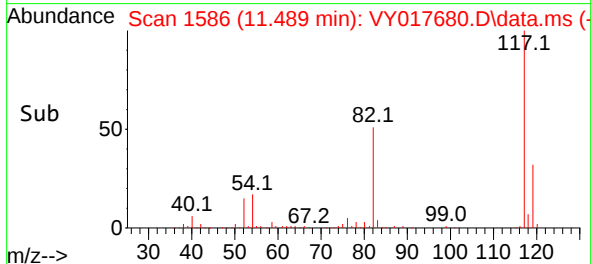
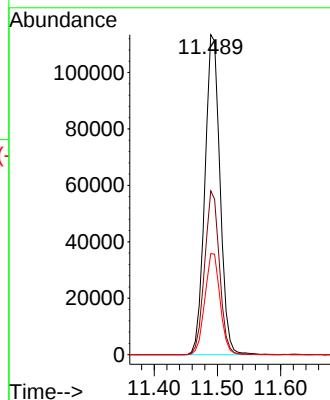
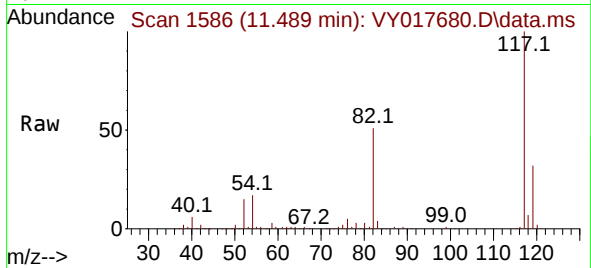




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-01-0-2.0

Tgt Ion:117 Resp: 188967  
Ion Ratio Lower Upper  
117 100  
82 51.2 42.4 63.6  
119 31.6 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY017680.D  
Acq: 15 Mar 2024 18:09

Tgt Ion:152 Resp: 70555  
Ion Ratio Lower Upper  
152 100  
115 54.3 28.2 84.7  
150 159.2 0.0 345.6

