

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032024\  
 Data File : VY017720.D  
 Acq On : 20 Mar 2024 09:38  
 Operator : SY/MD  
 Sample : VY0320SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBL01

Quant Time: Mar 21 03:11:31 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      | 7.807  | 168  | 114118   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 214162   | 50.000 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 11.501 | 117  | 184748   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 60220    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.154  | 65    | 55551    | 51.363   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.720% |
| 35) Dibromofluoromethane    | 7.734  | 113   | 68217    | 45.711   | ug/l | 0.02     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.420%  |
| 50) Toluene-d8              | 10.191 | 98    | 247305   | 47.396   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 94.800%  |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 59980    | 36.577   | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 73.160%  |

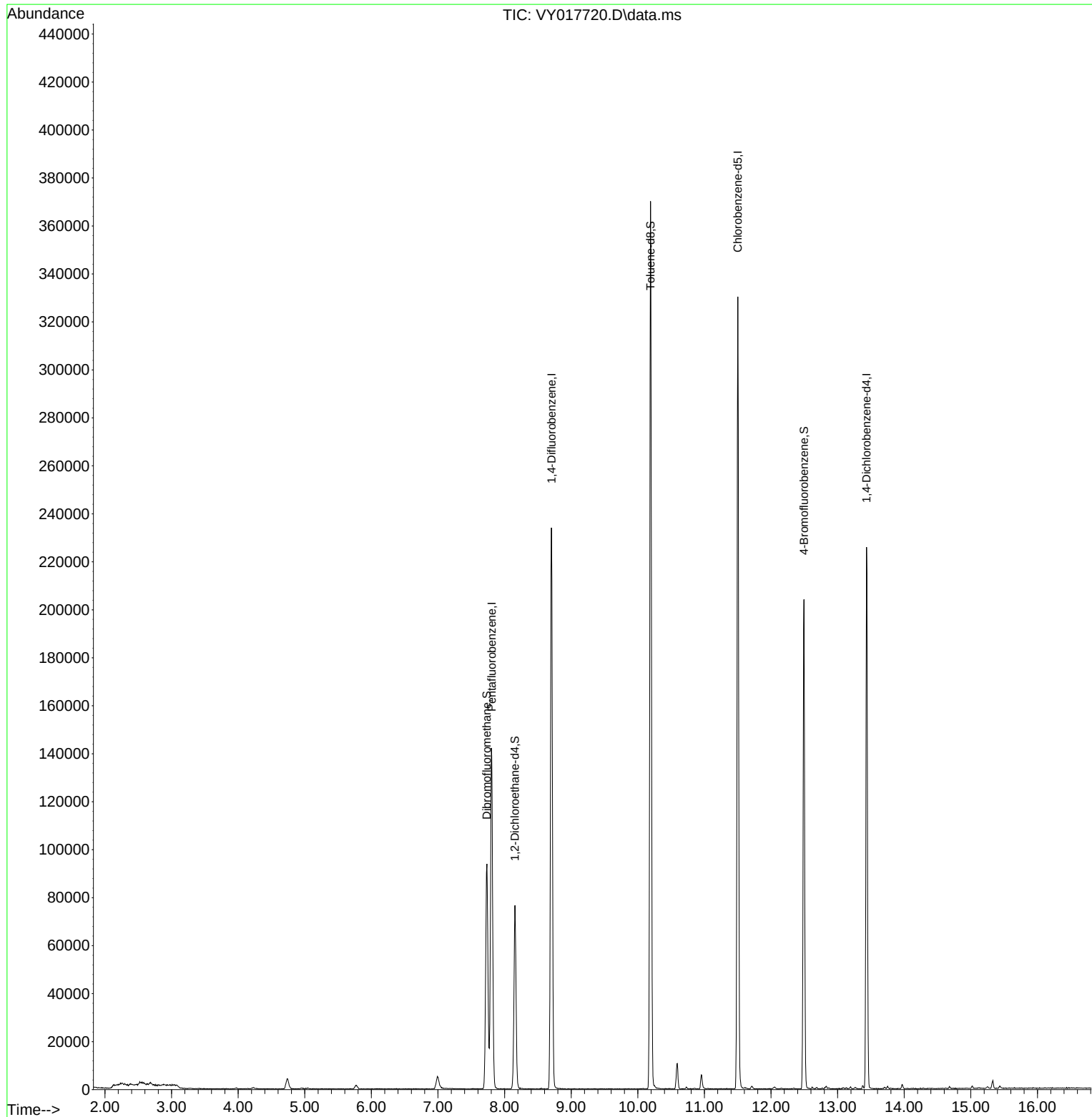
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

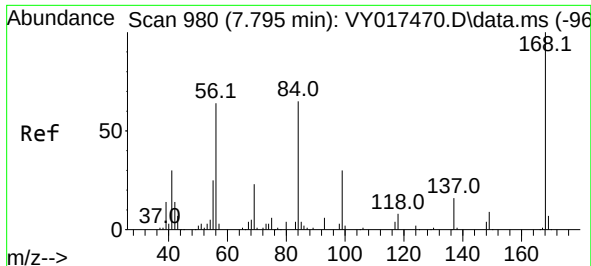
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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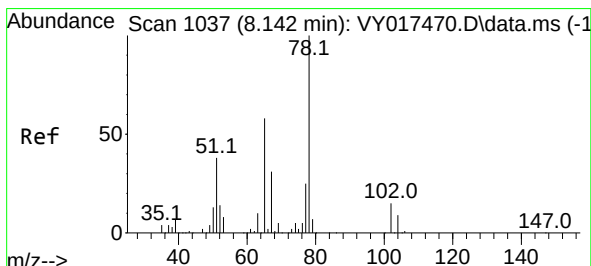
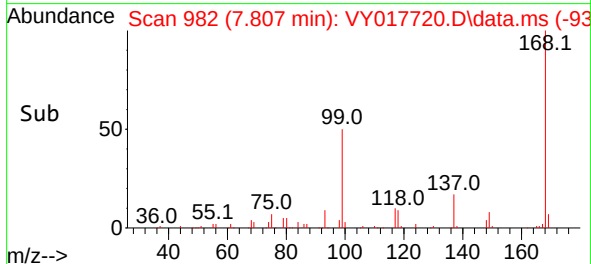
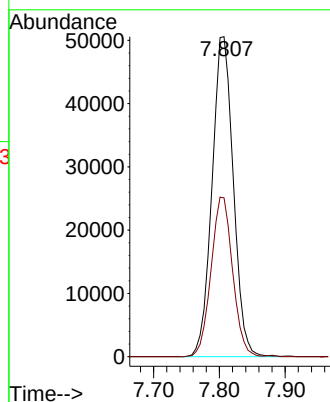
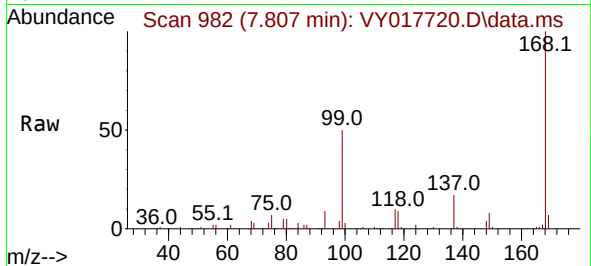




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

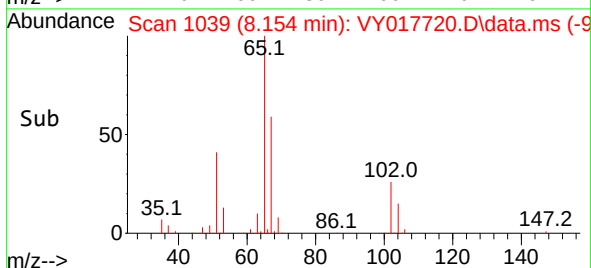
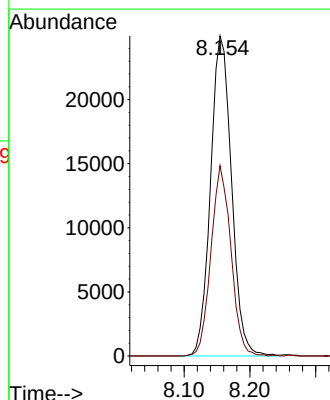
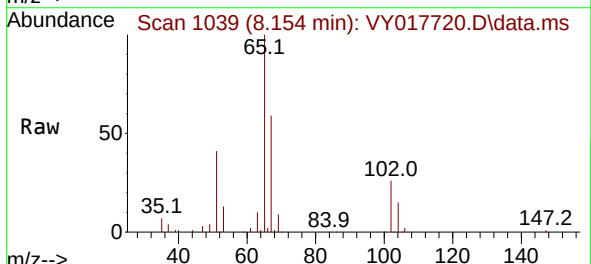
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBL01

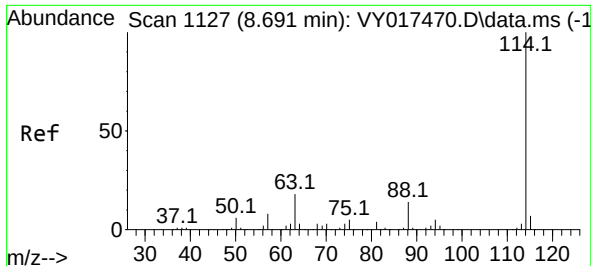
Tgt Ion:168 Resp: 114118  
Ion Ratio Lower Upper  
168 100  
99 49.7 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.363 ug/l  
RT: 8.154 min Scan# 1039  
Delta R.T. 0.012 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

Tgt Ion: 65 Resp: 55551  
Ion Ratio Lower Upper  
65 100  
67 56.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY017720.D

Acq: 20 Mar 2024 09:38

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBL01

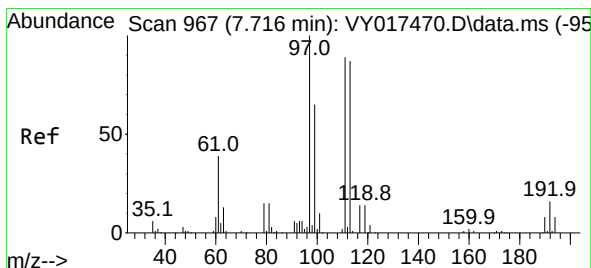
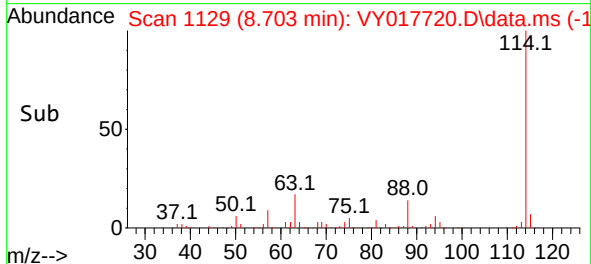
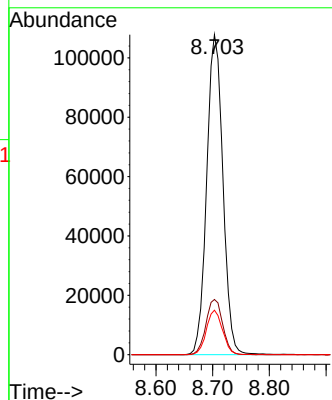
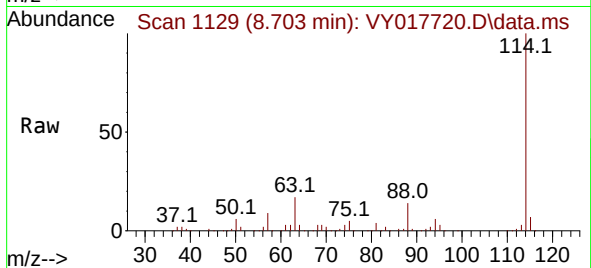
Tgt Ion:114 Resp: 214162

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 13.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 45.711 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017720.D

Acq: 20 Mar 2024 09:38

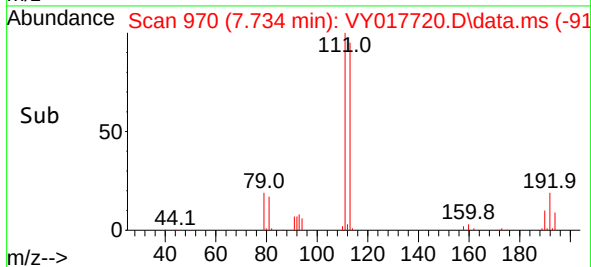
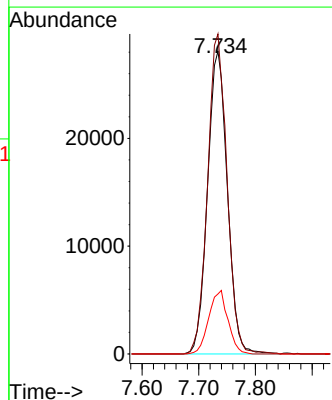
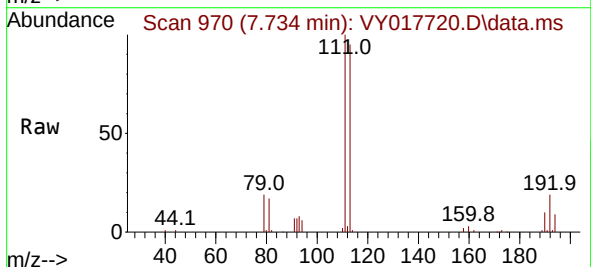
Tgt Ion:113 Resp: 68217

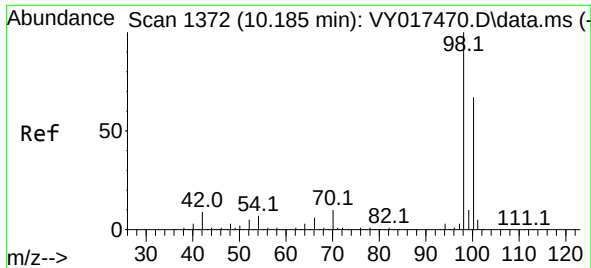
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 20.3 15.9 23.9

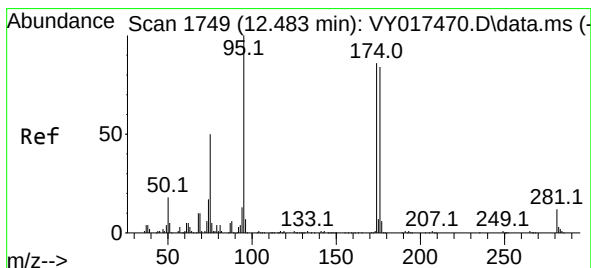
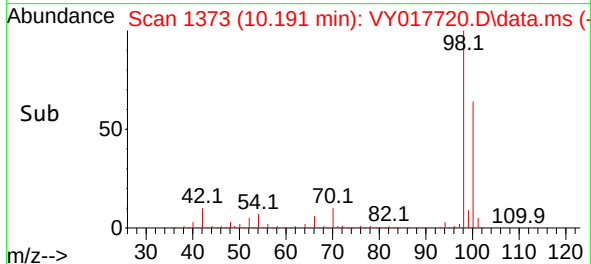
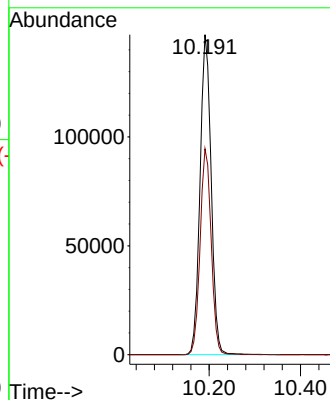
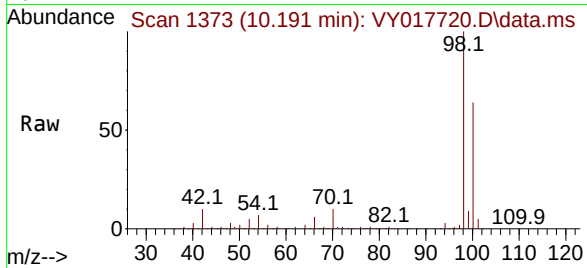




#50  
Toluene-d8  
Concen: 47.396 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

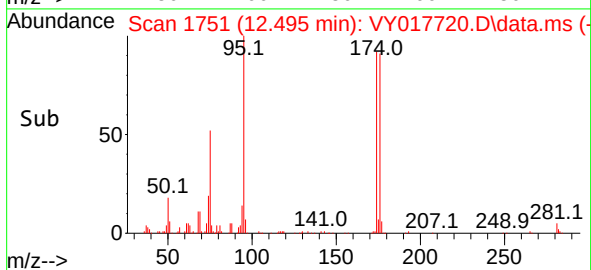
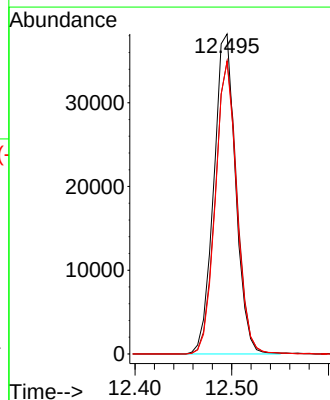
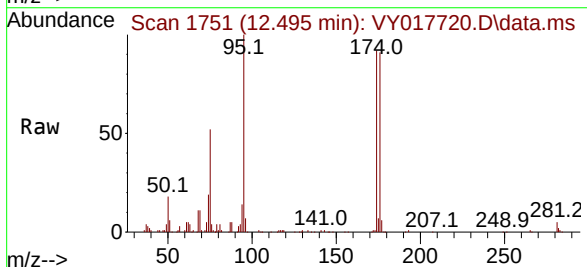
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBL01

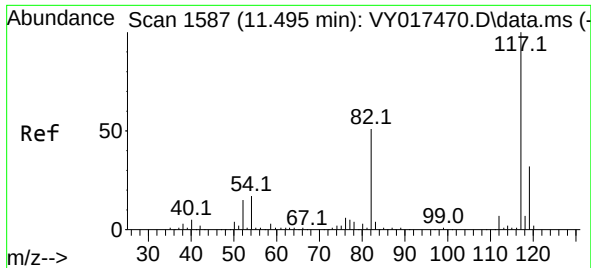
Tgt Ion: 98 Resp: 247305  
Ion Ratio Lower Upper  
98 100  
100 64.2 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 36.577 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.012 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

Tgt Ion: 95 Resp: 59980  
Ion Ratio Lower Upper  
95 100  
174 91.5 0.0 175.6  
176 89.4 0.0 171.4

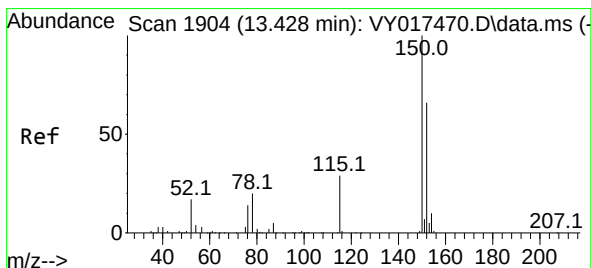
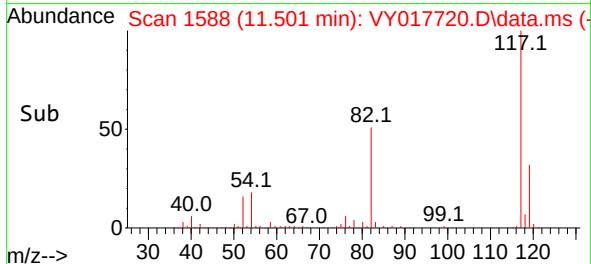
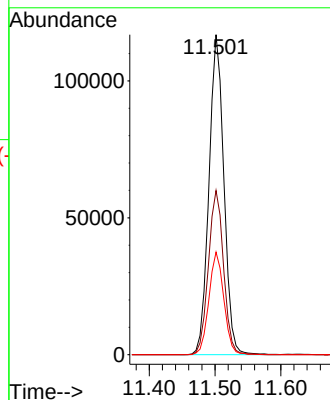
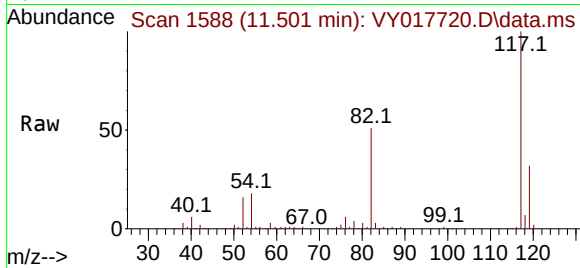




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.501 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBL01

Tgt Ion:117 Resp: 184748  
Ion Ratio Lower Upper  
117 100  
82 51.3 42.4 63.6  
119 32.1 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.006 min  
Lab File: VY017720.D  
Acq: 20 Mar 2024 09:38

Tgt Ion:152 Resp: 60220  
Ion Ratio Lower Upper  
152 100  
115 54.7 28.2 84.7  
150 156.9 0.0 345.6

