

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020724\  
 Data File : VY017288.D  
 Acq On : 07 Feb 2024 14:50  
 Operator : SY/MD  
 Sample : P1364-01  
 Misc : 5.65g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-1

Quant Time: Feb 08 01:43:09 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 02 00:56:04 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 78917    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 157397   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 140308   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 54698    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 41392    | 58.712   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.420% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 38819    | 45.678   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.360%  |
| 50) Toluene-d8              | 10.185 | 98    | 138932   | 44.901   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 89.800%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 40425    | 39.882   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 79.760%  |

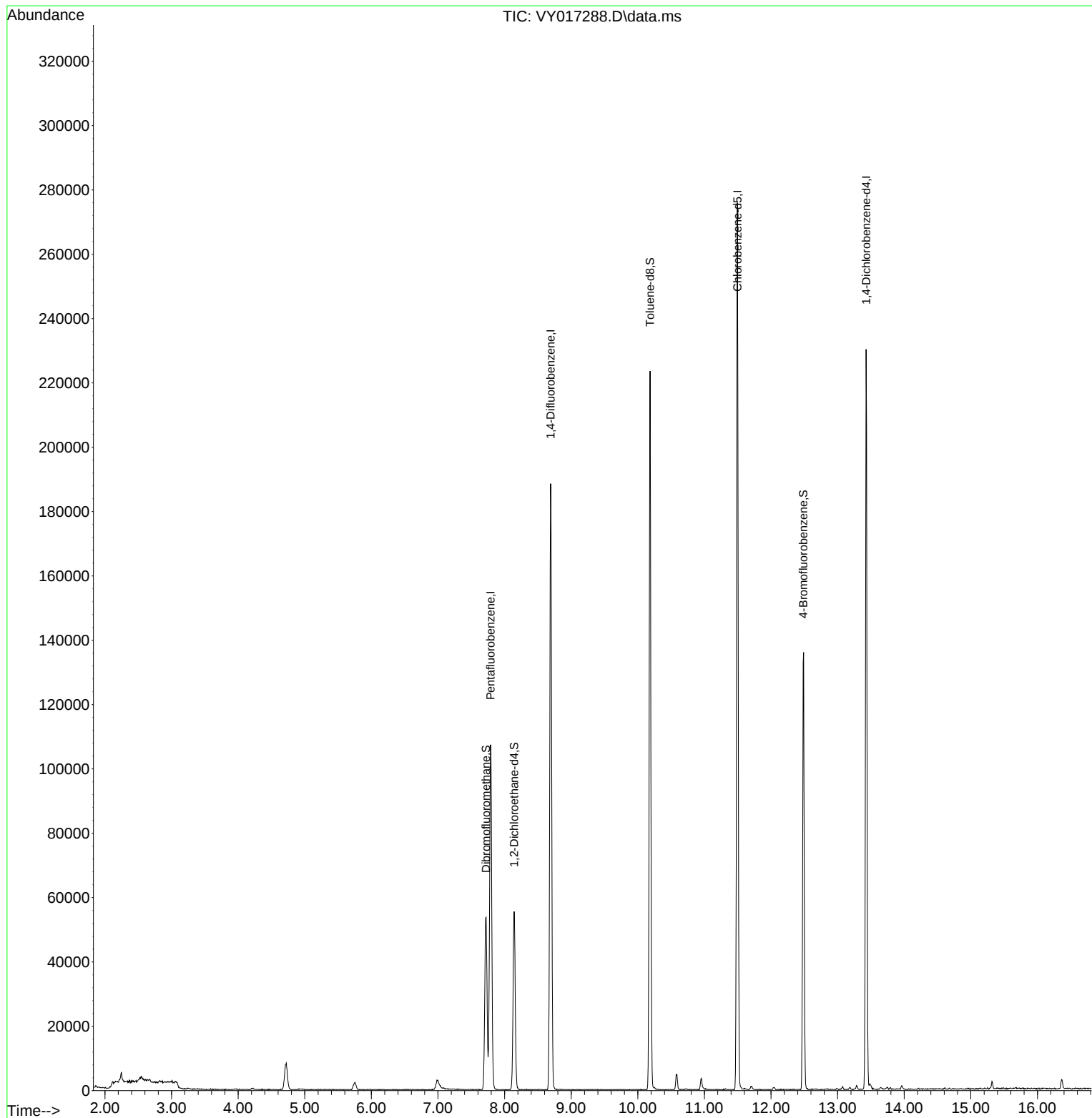
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

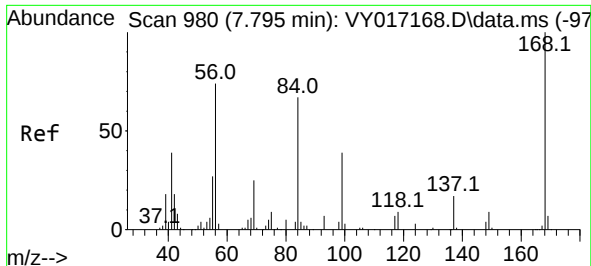
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020724\  
Data File : VY017288.D  
Acq On : 07 Feb 2024 14:50  
Operator : SY/MD  
Sample : P1364-01  
Misc : 5.65g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

Quant Time: Feb 08 01:43:09 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020124S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 02 00:56:04 2024  
Response via : Initial Calibration

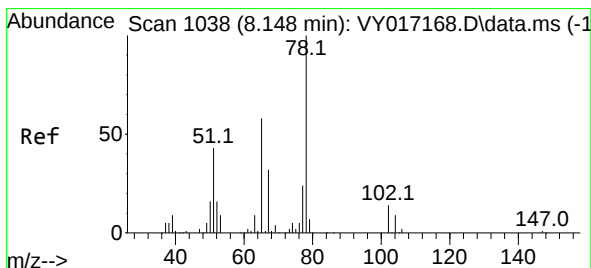
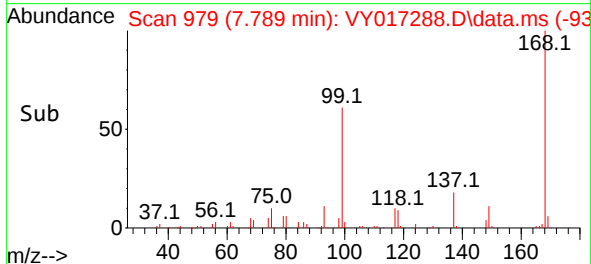
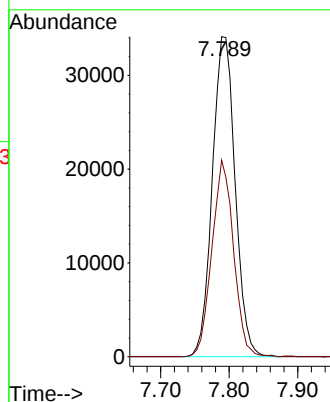
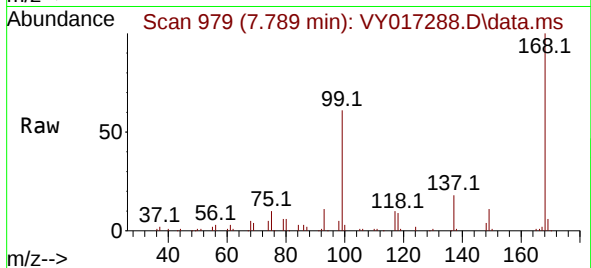




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

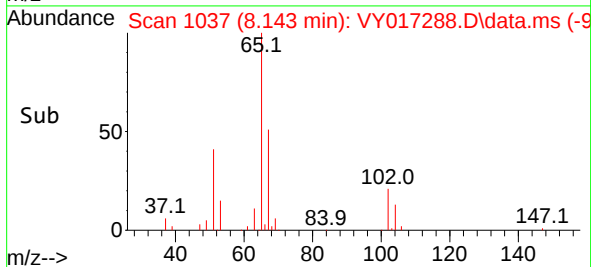
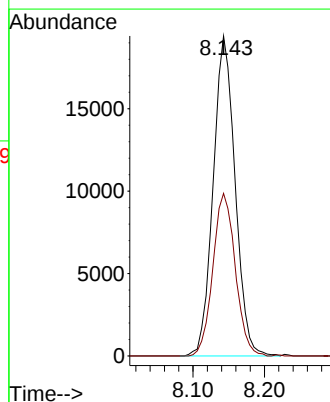
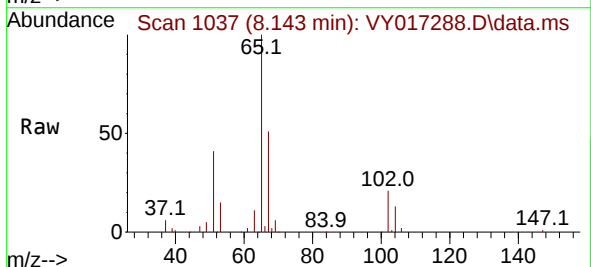
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

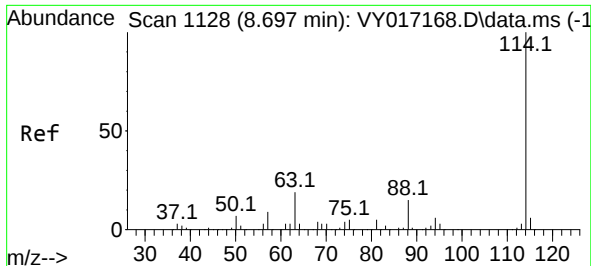
Tgt Ion:168 Resp: 78917  
Ion Ratio Lower Upper  
168 100  
99 61.4 44.2 66.4



#33  
1,2-Dichloroethane-d4  
Concen: 58.712 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

Tgt Ion: 65 Resp: 41392  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY017288.D

Acq: 07 Feb 2024 14:50

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-1

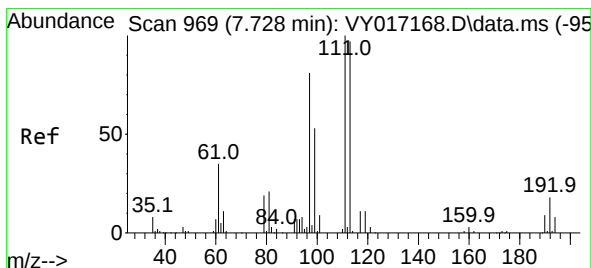
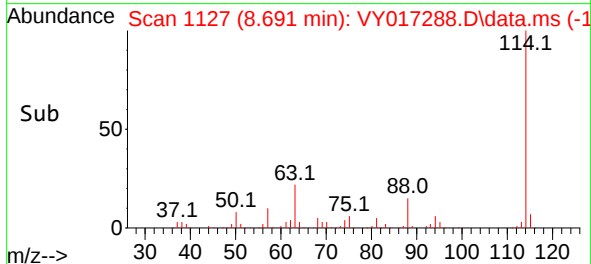
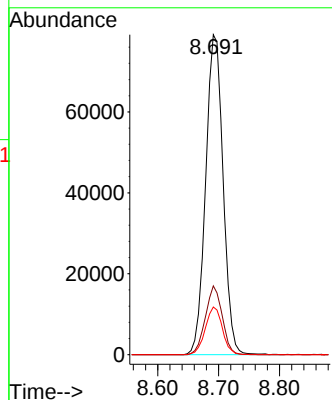
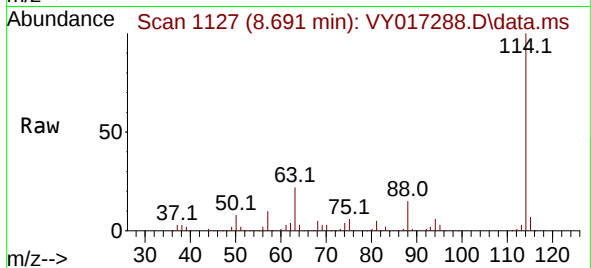
Tgt Ion:114 Resp: 157397

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 14.9 0.0 29.0



#35

Dibromofluoromethane

Concen: 45.678 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017288.D

Acq: 07 Feb 2024 14:50

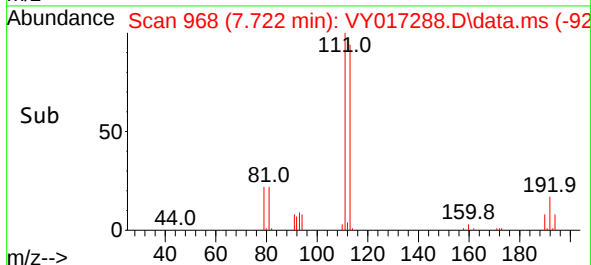
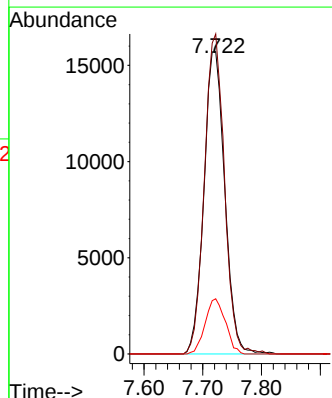
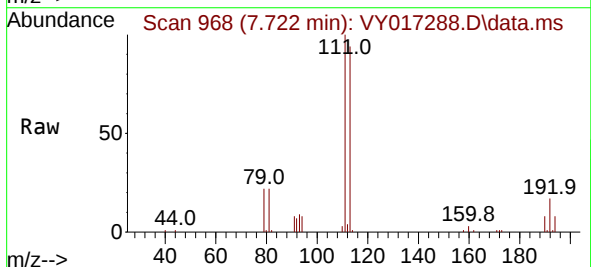
Tgt Ion:113 Resp: 38819

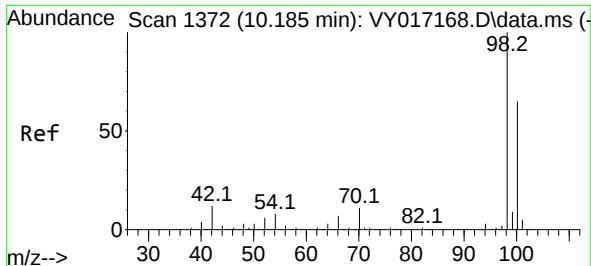
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 17.7 14.5 21.7

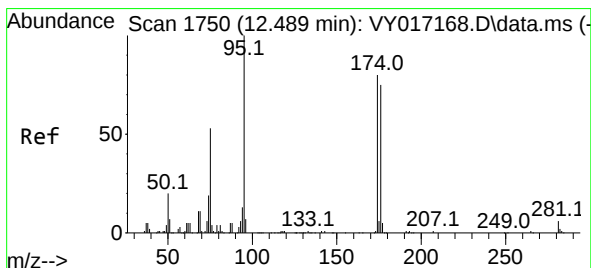
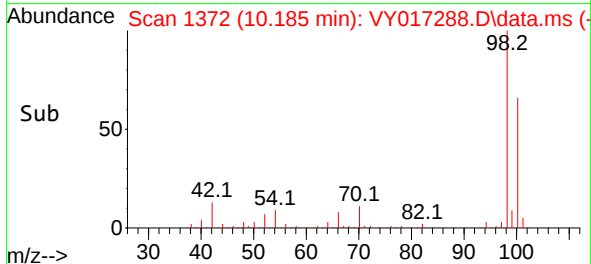
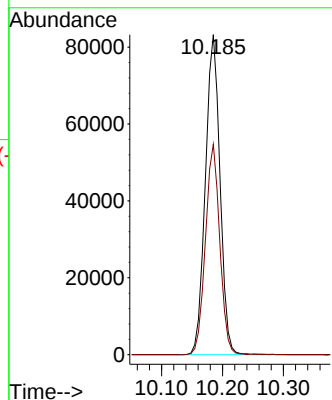
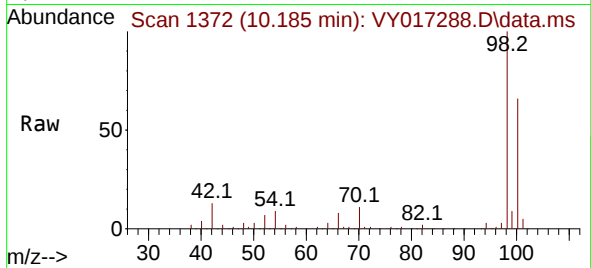




#50  
Toluene-d8  
Concen: 44.901 ug/l  
RT: 10.185 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

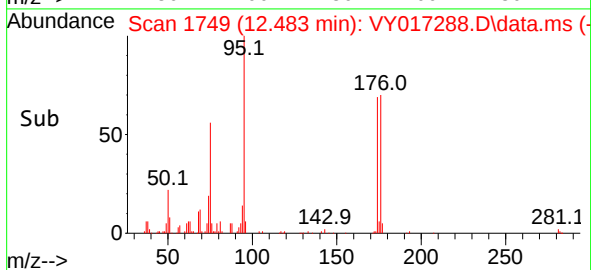
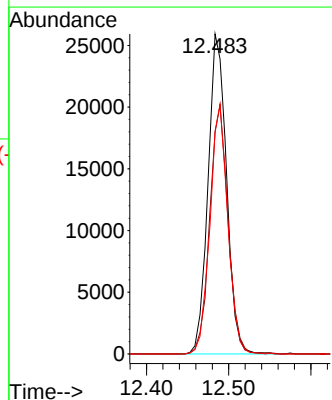
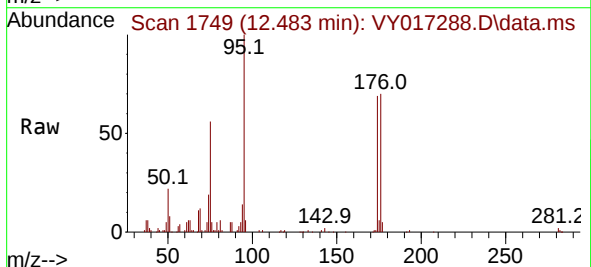
Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

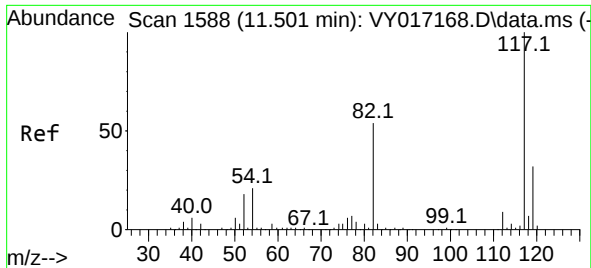
Tgt Ion: 98 Resp: 138932  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 39.882 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.006 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

Tgt Ion: 95 Resp: 40425  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 160.0  
176 75.4 0.0 151.8

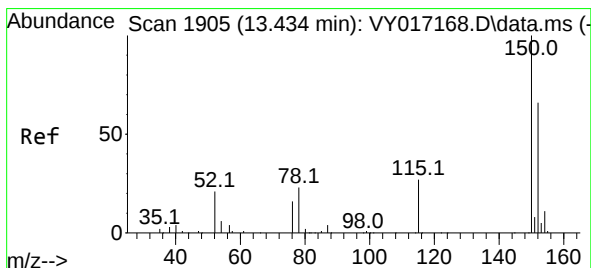
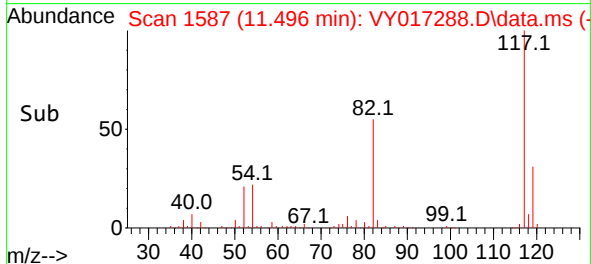
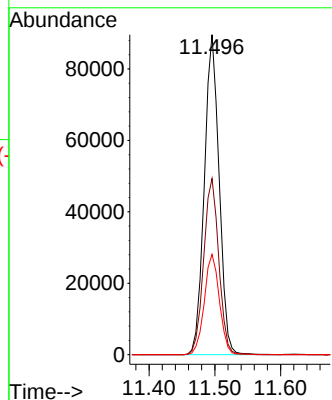
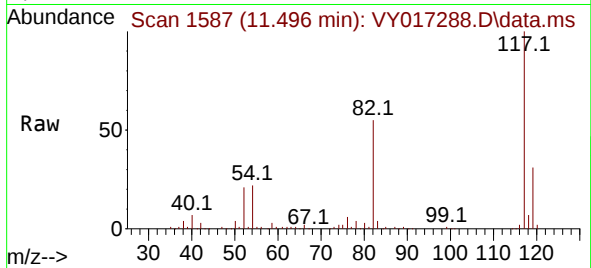




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-1

Tgt Ion:117 Resp: 140308  
Ion Ratio Lower Upper  
117 100  
82 55.1 43.8 65.8  
119 31.3 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VY017288.D  
Acq: 07 Feb 2024 14:50

Tgt Ion:152 Resp: 54698  
Ion Ratio Lower Upper  
152 100  
115 59.2 30.0 90.0  
150 157.5 0.0 344.6

