

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091724\  
 Data File : VY019589.D  
 Acq On : 17 Sep 2024 16:35  
 Operator : SY/MD  
 Sample : P4023-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-9

Quant Time: Sep 18 01:33:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090924S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 09 16:00:30 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 321890   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 627896   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 566745   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 219083   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 196503   | 65.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 131.860% |
| 35) Dibromofluoromethane    | 7.628  | 113   | 200026   | 56.186   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.380% |
| 50) Toluene-d8              | 10.103 | 98    | 751155   | 57.045   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 114.080% |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 250508   | 49.477   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 98.960%  |

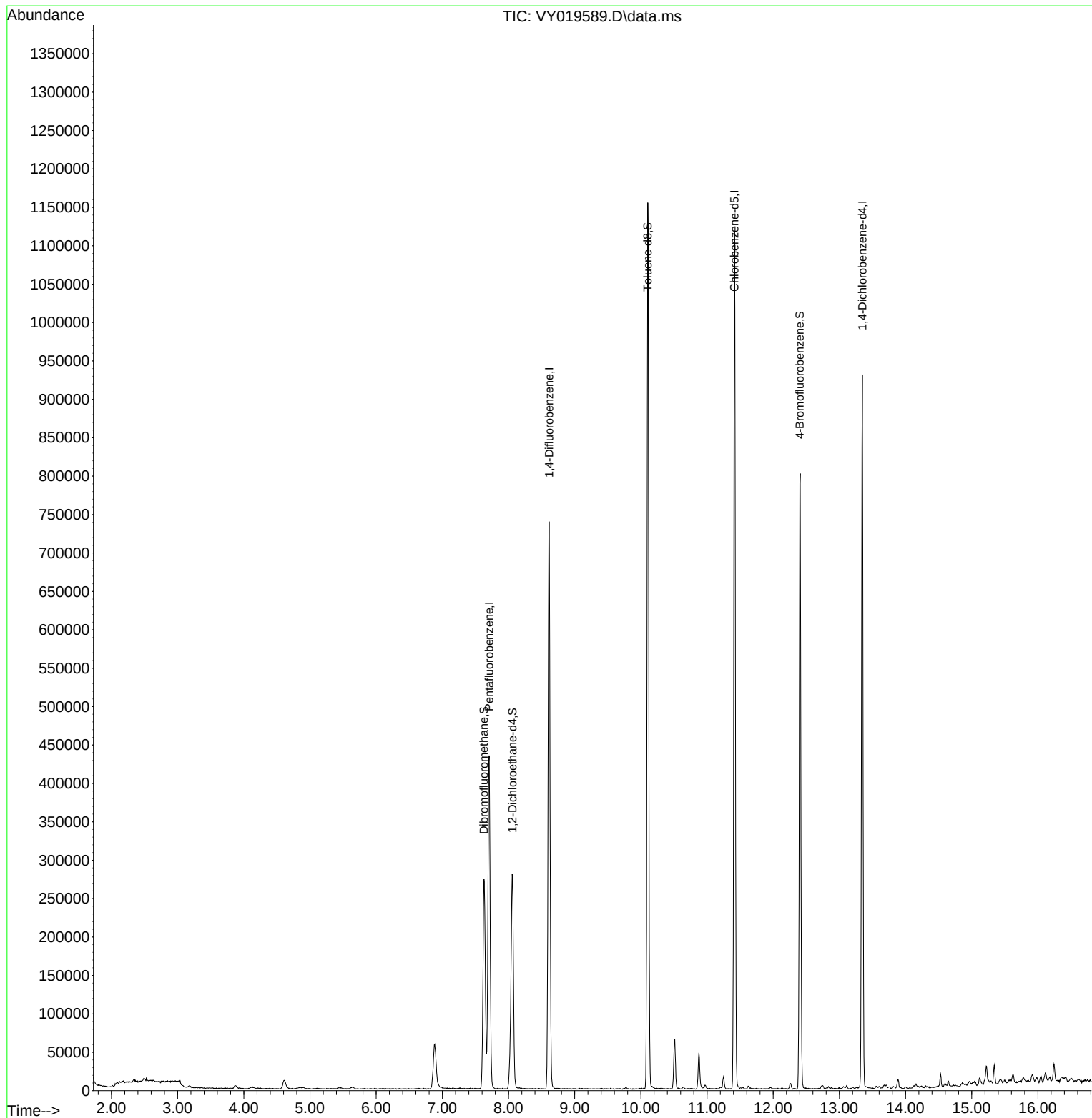
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

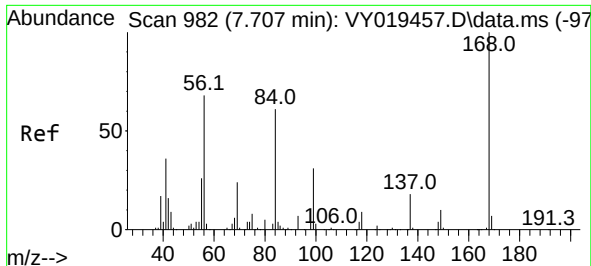
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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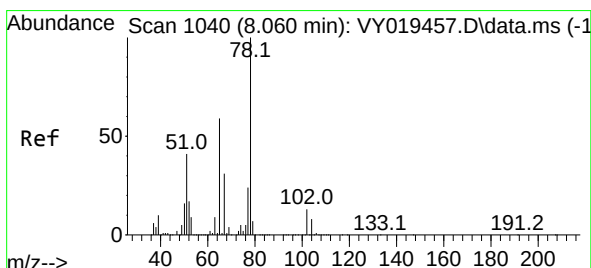
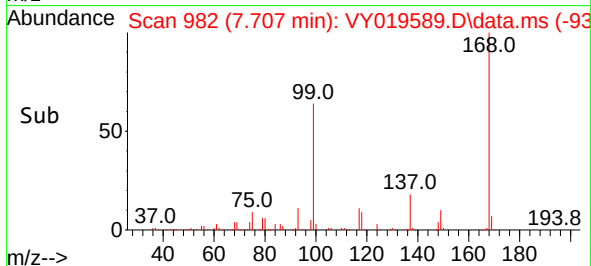
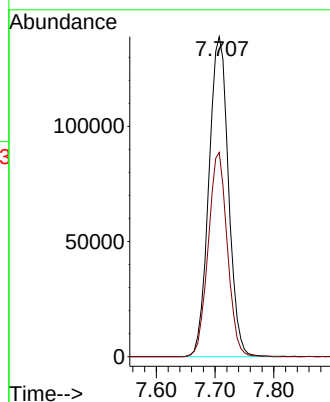
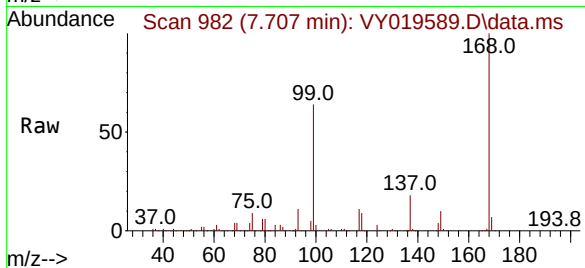




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019589.D  
Acq: 17 Sep 2024 16:35

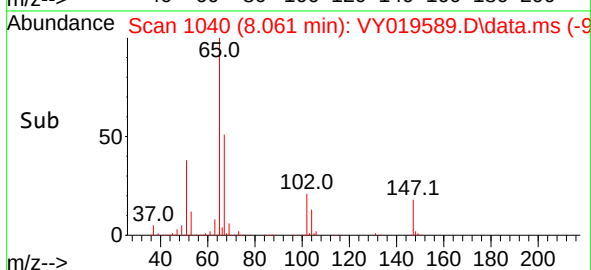
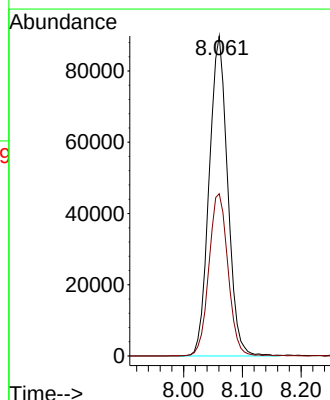
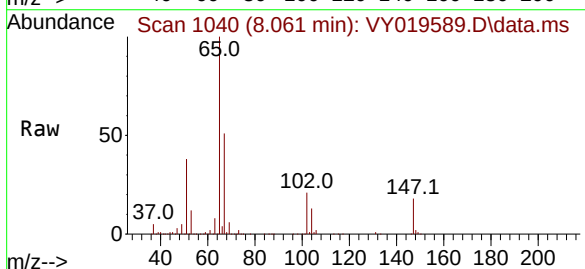
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-9

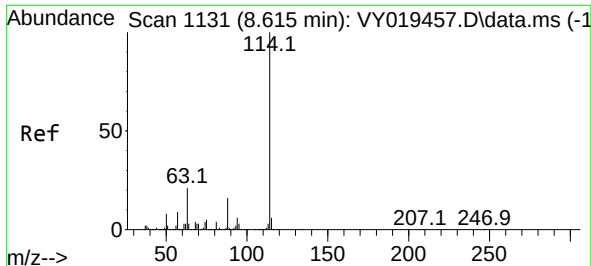
Tgt Ion:168 Resp: 321890  
Ion Ratio Lower Upper  
168 100  
99 63.9 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 65.927 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019589.D  
Acq: 17 Sep 2024 16:35

Tgt Ion: 65 Resp: 196503  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019589.D

Acq: 17 Sep 2024 16:35

Instrument :

MSVOA\_Y

ClientSampleId :

TP-9

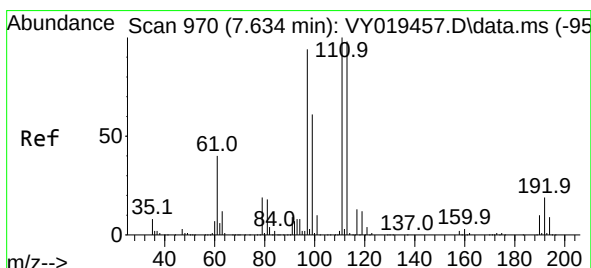
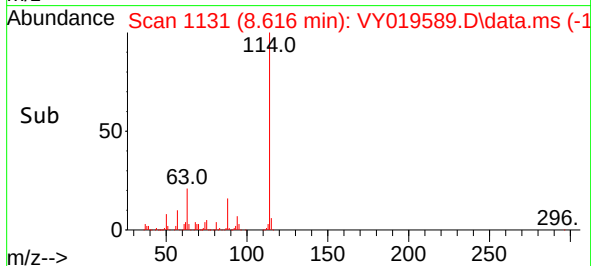
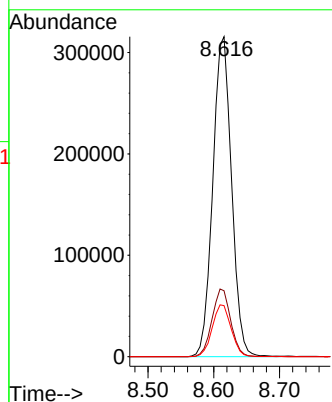
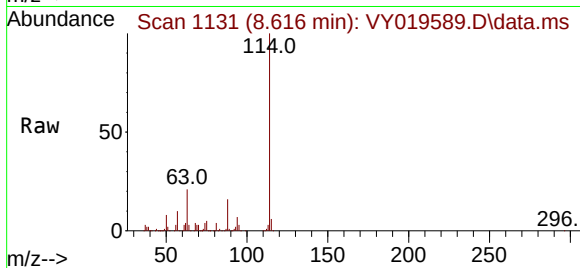
Tgt Ion:114 Resp: 627896

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

88 15.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.186 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019589.D

Acq: 17 Sep 2024 16:35

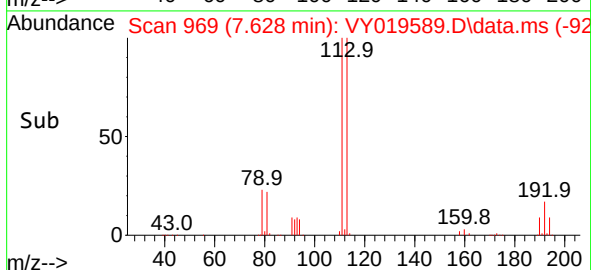
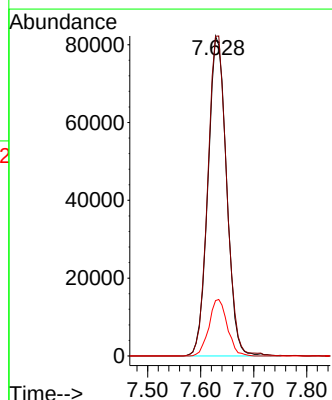
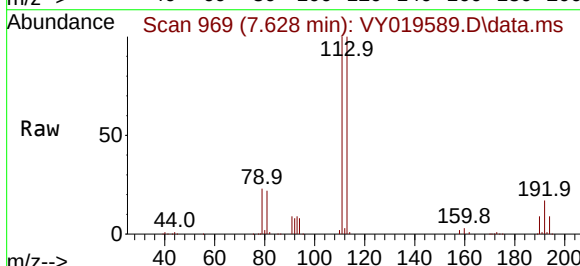
Tgt Ion:113 Resp: 200026

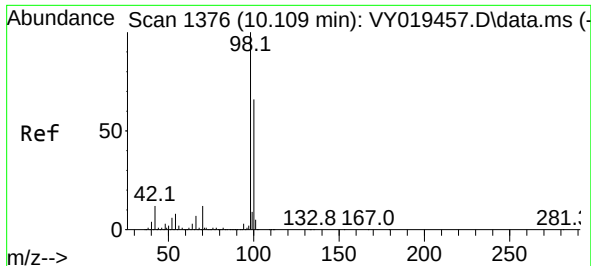
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.4 15.9 23.9

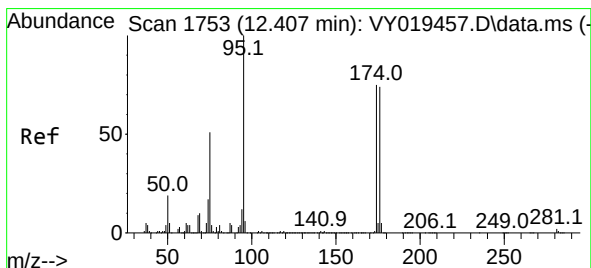
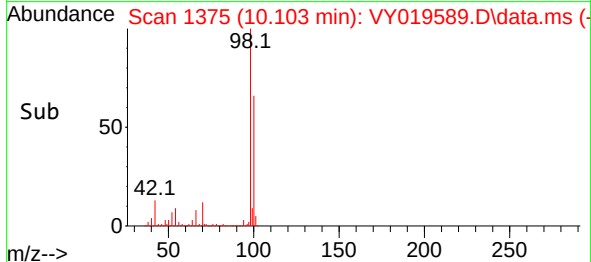
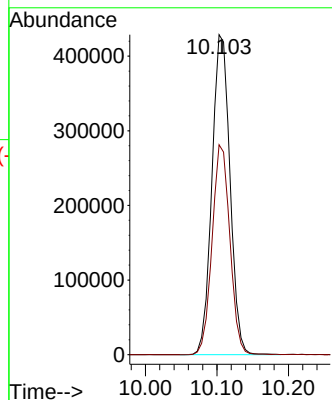
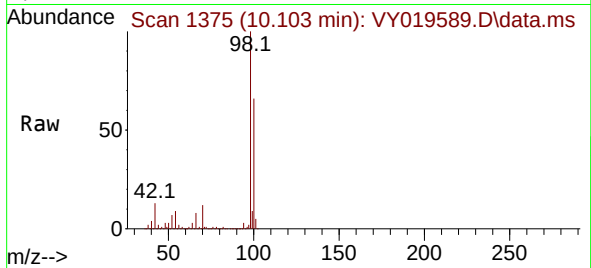




#50  
Toluene-d8  
Concen: 57.045 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019589.D  
Acq: 17 Sep 2024 16:35

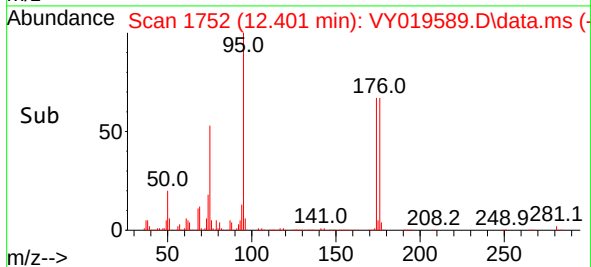
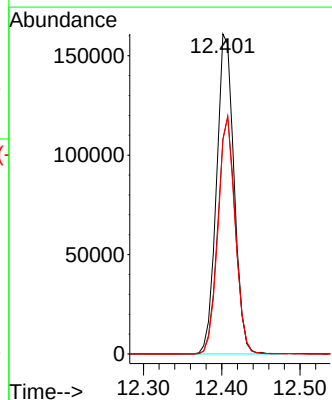
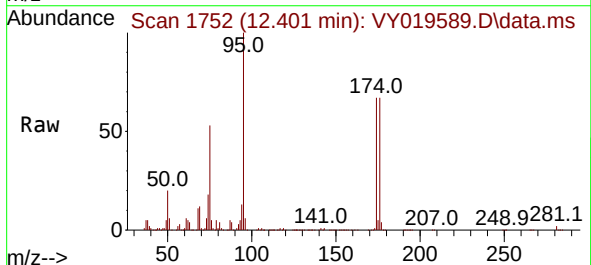
Instrument :  
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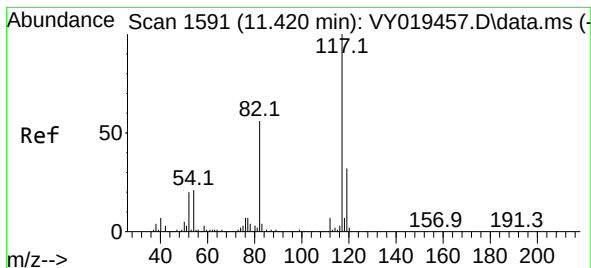
Tgt Ion: 98 Resp: 751155  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 49.477 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019589.D  
Acq: 17 Sep 2024 16:35

Tgt Ion: 95 Resp: 250508  
Ion Ratio Lower Upper  
95 100  
174 73.8 0.0 175.6  
176 72.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019589.D

Acq: 17 Sep 2024 16:35

Instrument :

MSVOA\_Y

ClientSampleId :

TP-9

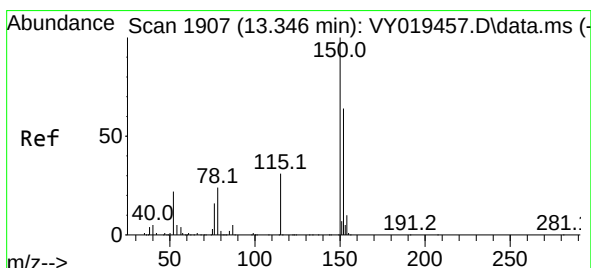
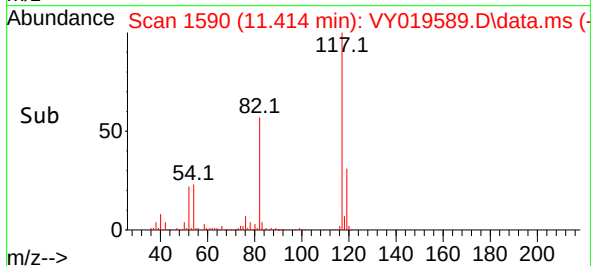
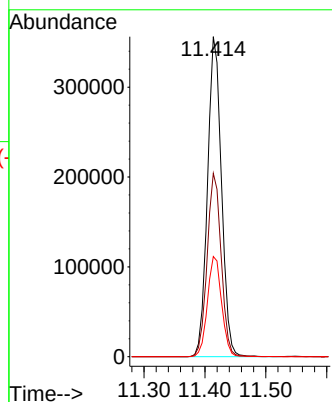
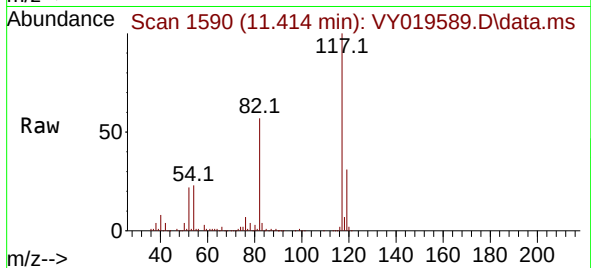
Tgt Ion:117 Resp: 566745

Ion Ratio Lower Upper

117 100

82 57.3 42.4 63.6

119 31.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019589.D

Acq: 17 Sep 2024 16:35

Tgt Ion:152 Resp: 219083

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 158.0 0.0 345.6

