

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091124\  
 Data File : VY019507.D  
 Acq On : 11 Sep 2024 14:32  
 Operator : SY/MD  
 Sample : P3916-01RE  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-04-090924RE

Quant Time: Sep 12 01:32:11 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   | 24904    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.609  | 114   | 36689    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 24593    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.352 | 152   | 5697     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 9939     | 43.100   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 86.200%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 10345    | 49.731   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 99.460%  |
| 50) Toluene-d8              | 10.109 | 98    | 38187    | 49.631   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.260%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 8587     | 29.025   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 58.060%  |

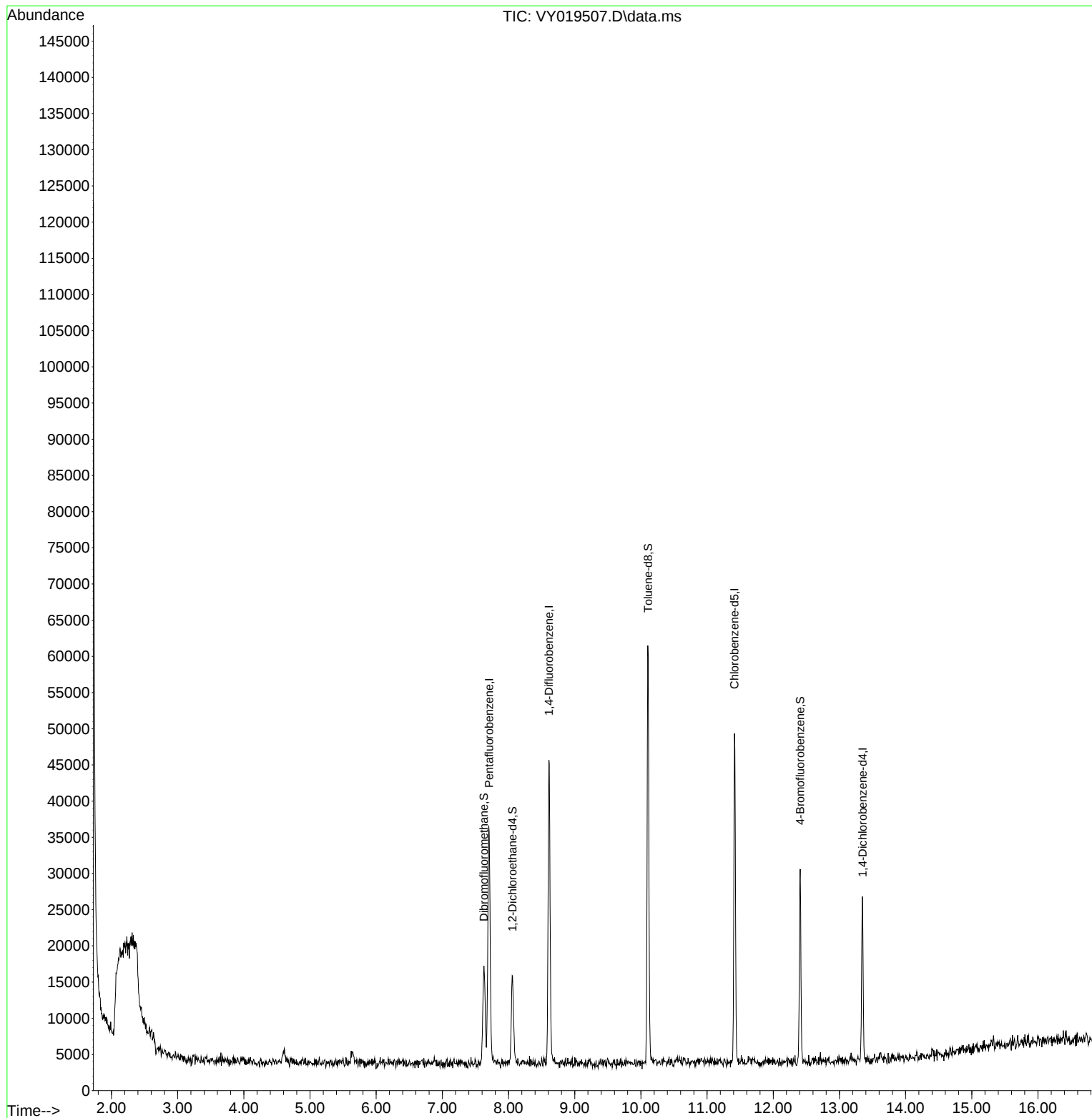
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

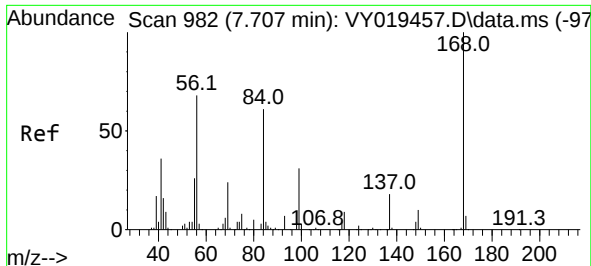
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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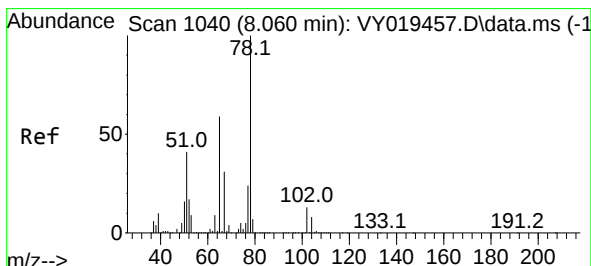
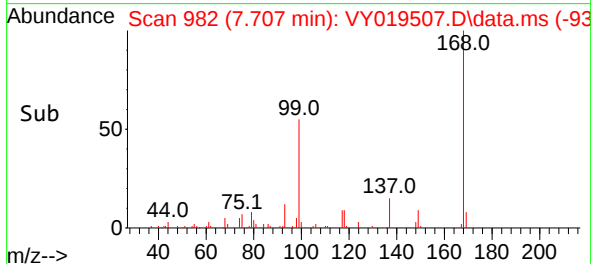
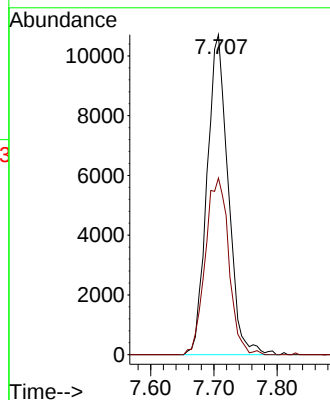
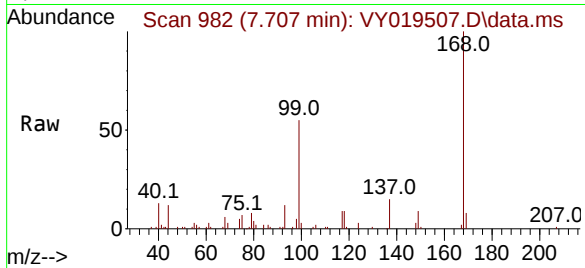




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019507.D  
Acq: 11 Sep 2024 14:32

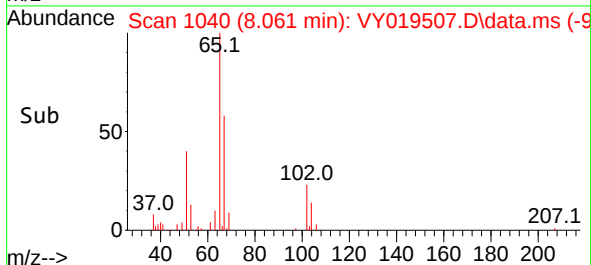
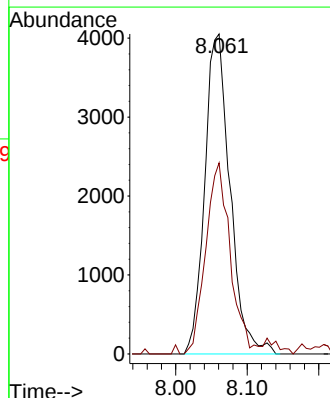
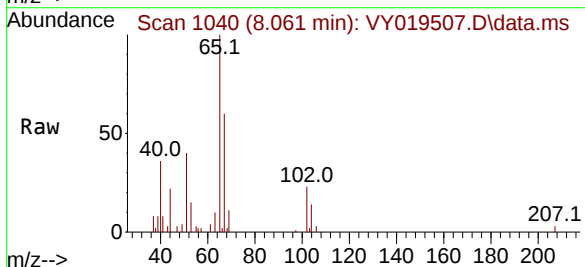
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-04-090924RE

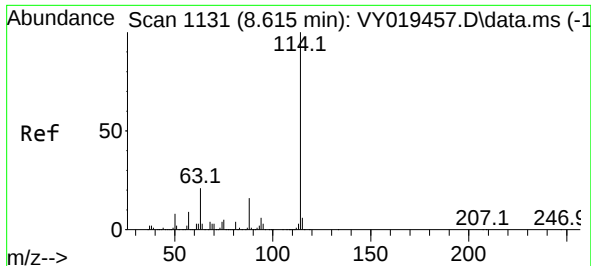
Tgt Ion:168 Resp: 24904  
Ion Ratio Lower Upper  
168 100  
99 55.2 39.1 58.7



#33  
1,2-Dichloroethane-d4  
Concen: 43.100 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019507.D  
Acq: 11 Sep 2024 14:32

Tgt Ion: 65 Resp: 9939  
Ion Ratio Lower Upper  
65 100  
67 58.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019507.D

Acq: 11 Sep 2024 14:32

Instrument :

MSVOA\_Y

ClientSampleId :

SU-04-090924RE

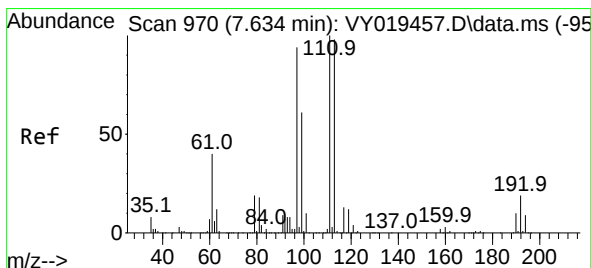
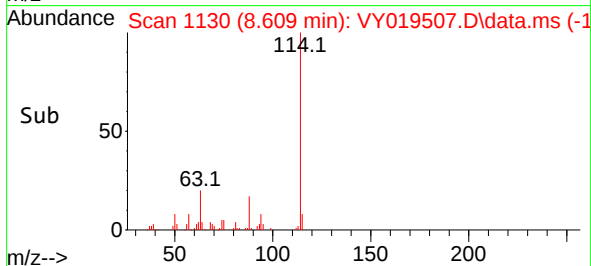
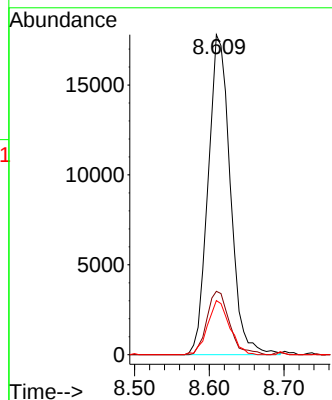
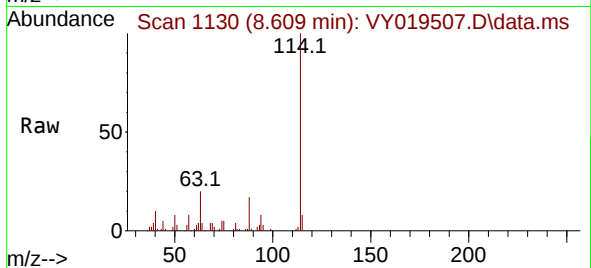
Tgt Ion:114 Resp: 36689

Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

88 16.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.731 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019507.D

Acq: 11 Sep 2024 14:32

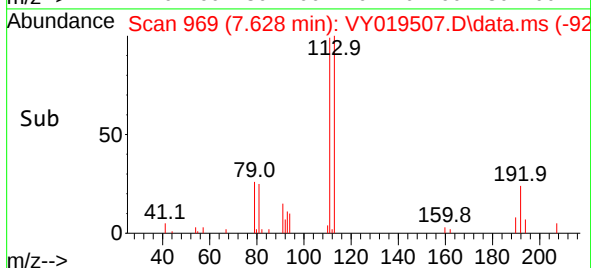
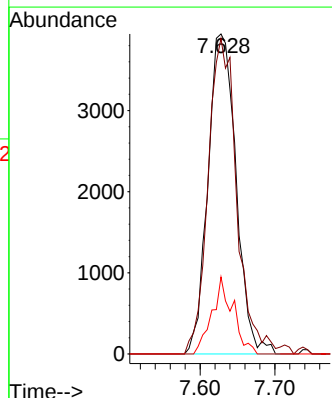
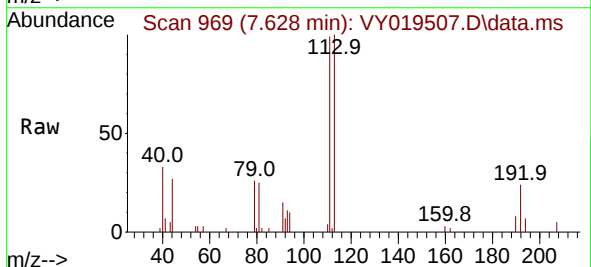
Tgt Ion:113 Resp: 10345

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

192 18.0 15.9 23.9

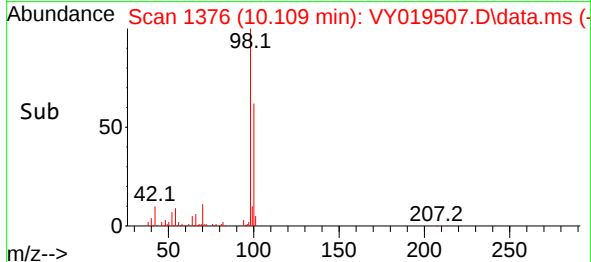
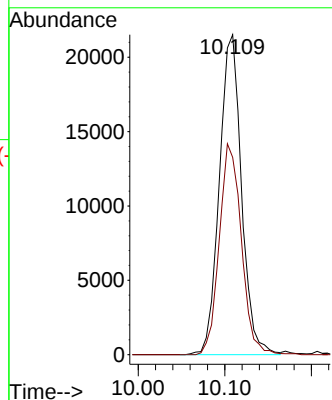
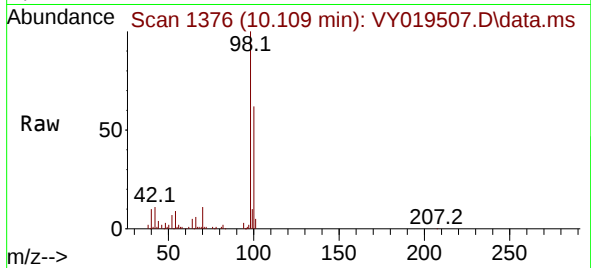




#50  
Toluene-d8  
Concen: 49.631 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019507.D  
Acq: 11 Sep 2024 14:32

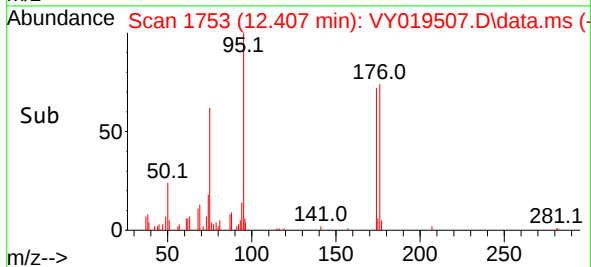
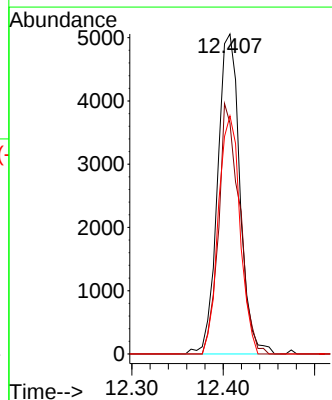
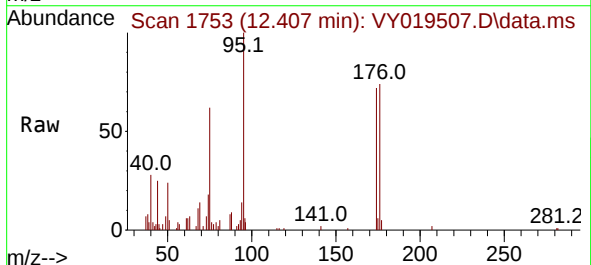
Instrument :  
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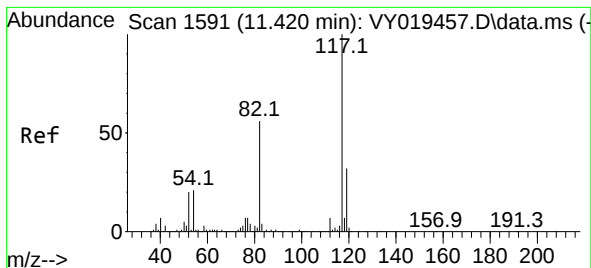
Tgt Ion: 98 Resp: 38187  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 29.025 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019507.D  
Acq: 11 Sep 2024 14:32

Tgt Ion: 95 Resp: 8587  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 175.6  
176 72.1 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: VY019507.D

Acq: 11 Sep 2024 14:32

Instrument :

MSVOA\_Y

ClientSampleId :

SU-04-090924RE

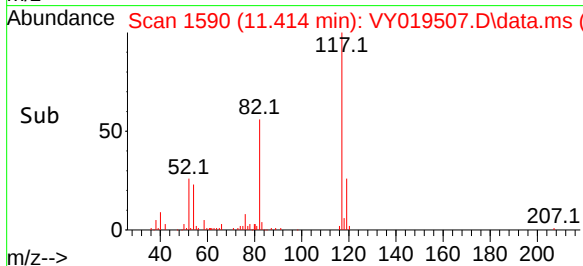
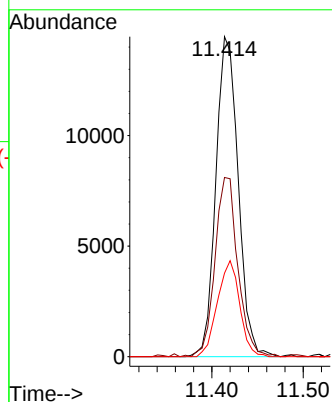
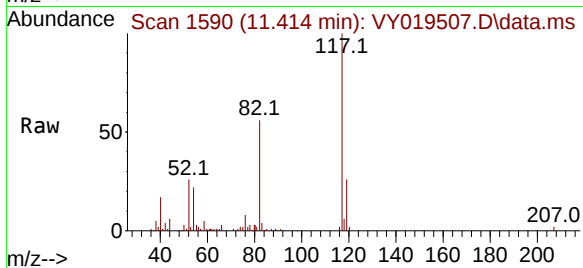
Tgt Ion:117 Resp: 24593

Ion Ratio Lower Upper

117 100

82 56.0 42.4 63.6

119 26.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019507.D

Acq: 11 Sep 2024 14:32

Tgt Ion:152 Resp: 5697

Ion Ratio Lower Upper

152 100

115 59.1 28.2 84.7

150 146.0 0.0 345.6

