

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091624\  
 Data File : VY019564.D  
 Acq On : 16 Sep 2024 14:19  
 Operator : SY/MD  
 Sample : P3979-01RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EO-03-091224RE

Quant Time: Sep 17 02:14:08 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   | 14711    | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 24898    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.420 | 117   | 16670    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.353 | 152   | 2675     | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 7846     | 57.598   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.200% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 6760     | 47.887   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 95.780%  |
| 50) Toluene-d8              | 10.109 | 98    | 26645    | 51.030   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 102.060% |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 6027     | 30.020   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 60.040%  |

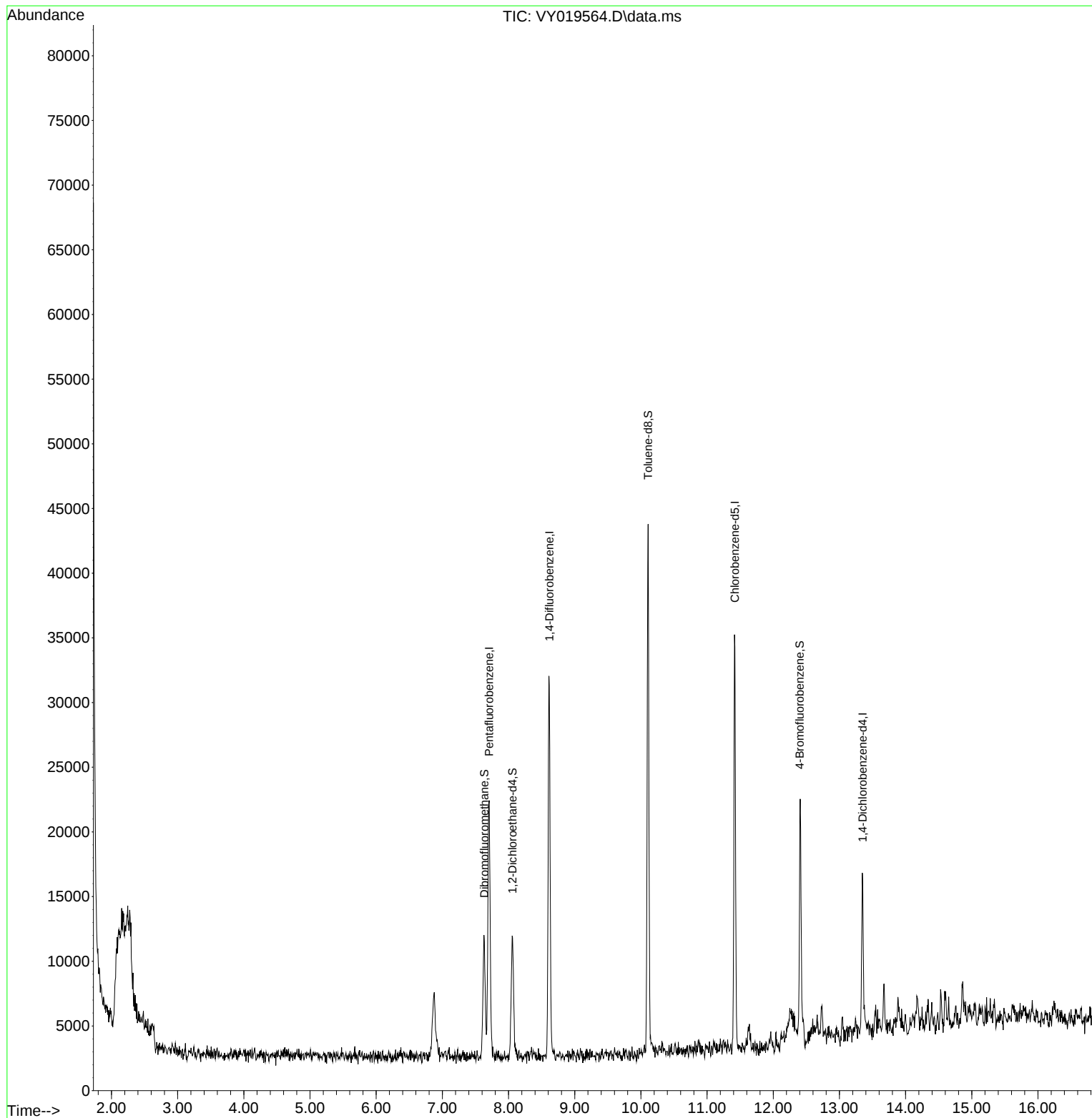
Target Compounds Qvalue

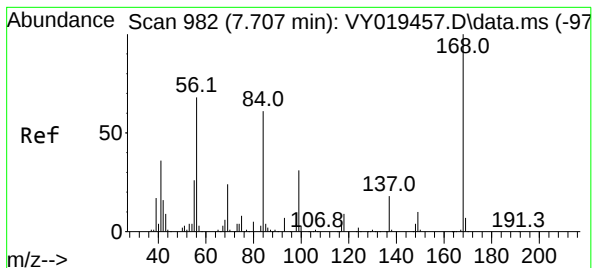
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EO-03-091224RE

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Quant Title : SW846 8260  
QLast Update : Mon Sep 09 16:00:30 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.000 min

Lab File: VY019564.D

Acq: 16 Sep 2024 14:19

Instrument :

MSVOA\_Y

ClientSampleId :

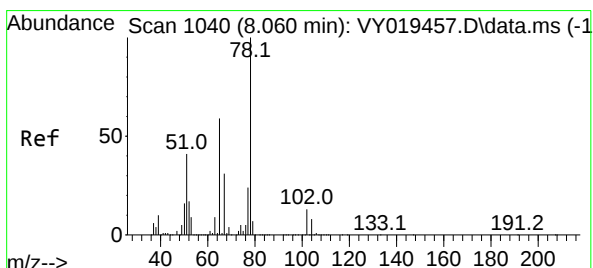
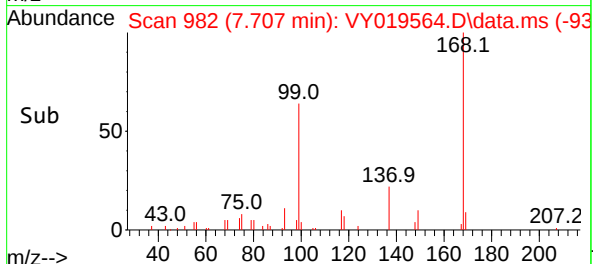
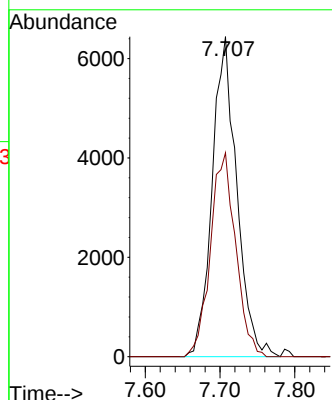
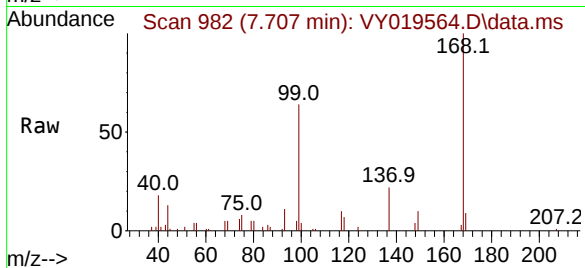
EO-03-091224RE

Tgt Ion:168 Resp: 14711

Ion Ratio Lower Upper

168 100

99 63.7 39.1 58.7#



#33

1,2-Dichloroethane-d4

Concen: 57.598 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY019564.D

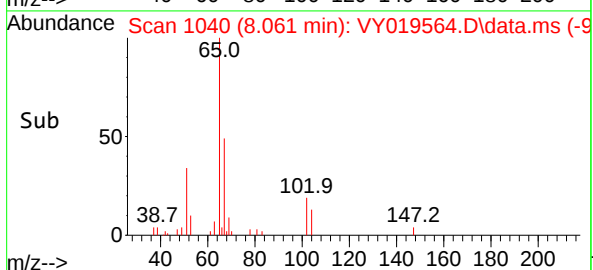
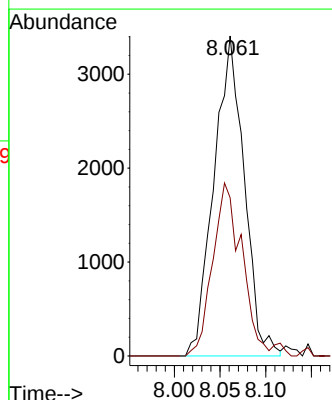
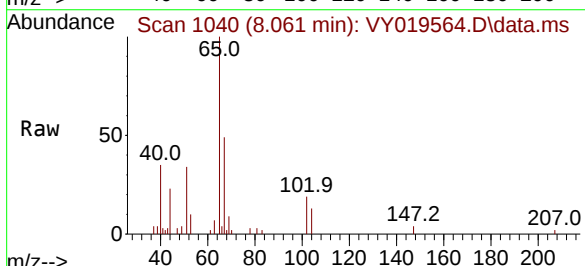
Acq: 16 Sep 2024 14:19

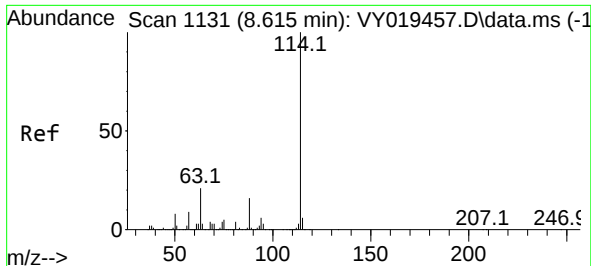
Tgt Ion: 65 Resp: 7846

Ion Ratio Lower Upper

65 100

67 51.8 0.0 109.6

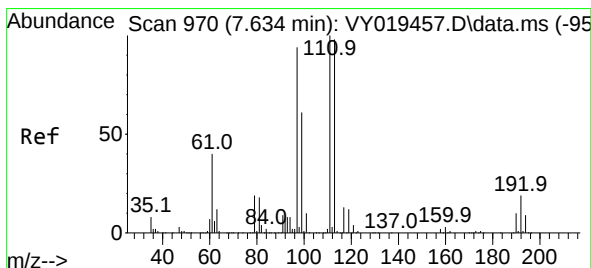
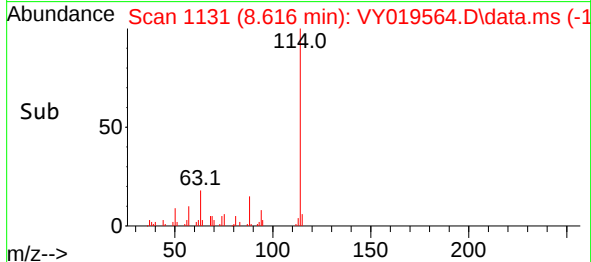
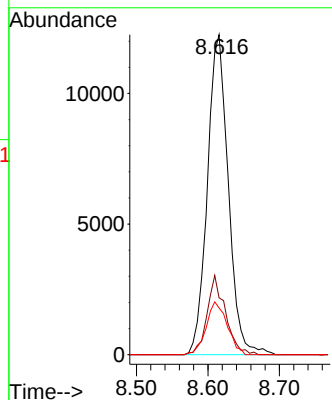
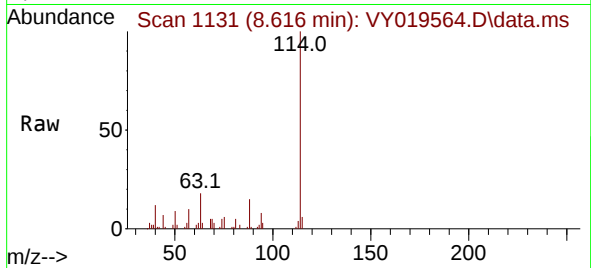




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019564.D  
Acq: 16 Sep 2024 14:19

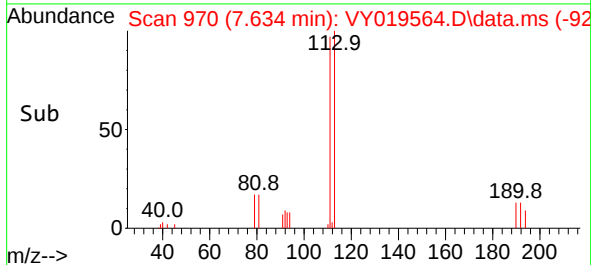
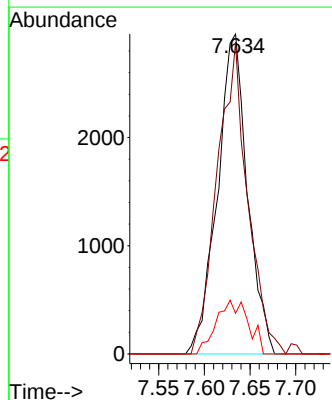
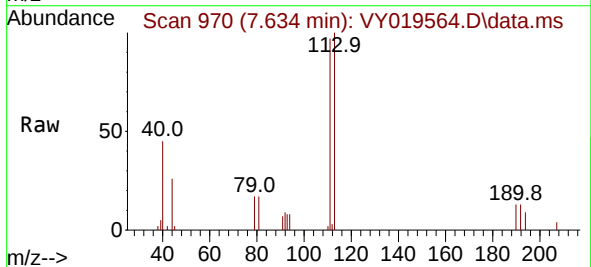
Instrument :  
MSVOA\_Y  
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EO-03-091224RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 24898 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 17.7  | 0.0   | 35.0  |
| 88       | 14.6  | 0.0   | 27.2  |



#35  
Dibromofluoromethane  
Concen: 47.887 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY019564.D  
Acq: 16 Sep 2024 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 6760  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 98.3  | 82.2  | 123.4 |
| 192      | 17.9  | 15.9  | 23.9  |

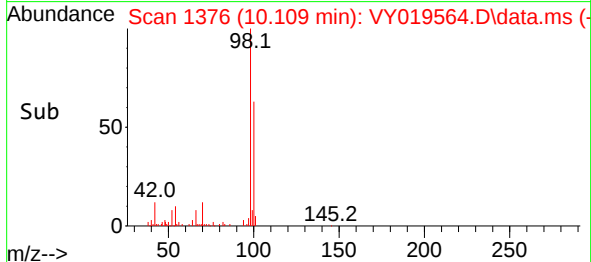
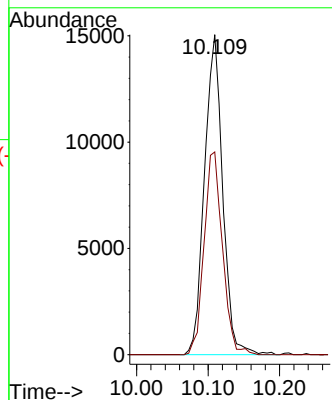
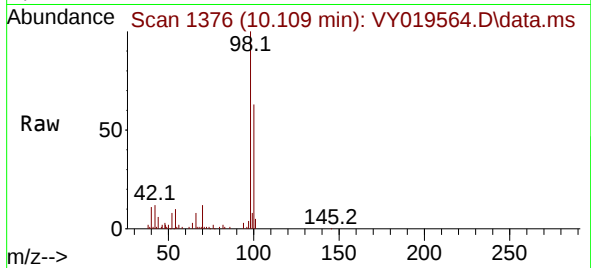




#50  
Toluene-d8  
Concen: 51.030 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019564.D  
Acq: 16 Sep 2024 14:19

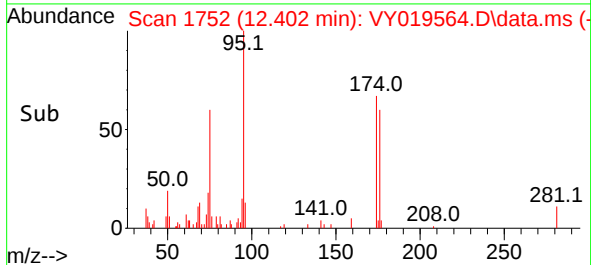
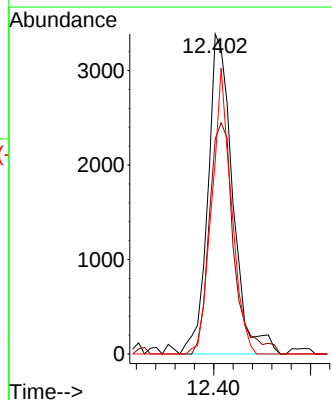
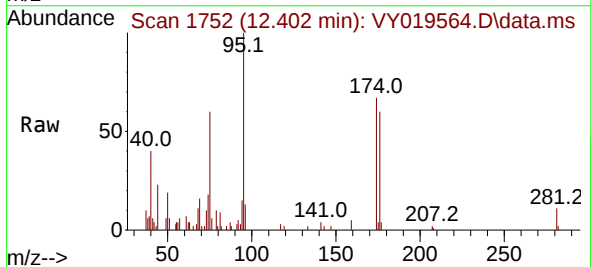
Instrument :  
MSVOA\_Y  
ClientSampleId :  
EO-03-091224RE

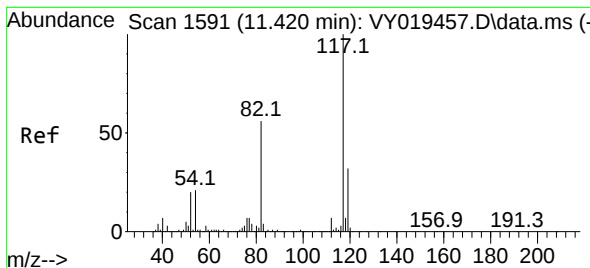
Tgt Ion: 98 Resp: 26645  
Ion Ratio Lower Upper  
98 100  
100 64.0 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 30.020 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019564.D  
Acq: 16 Sep 2024 14:19

Tgt Ion: 95 Resp: 6027  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 175.6  
176 70.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019564.D

Acq: 16 Sep 2024 14:19

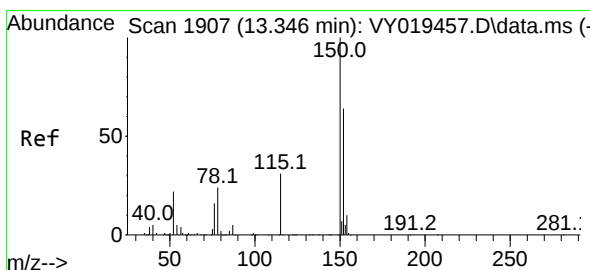
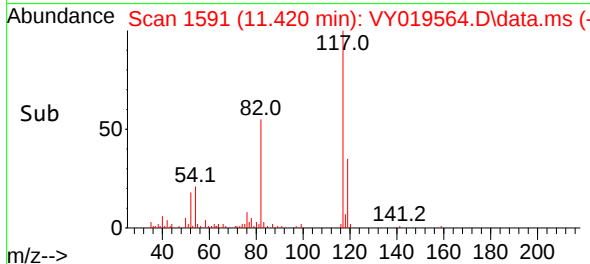
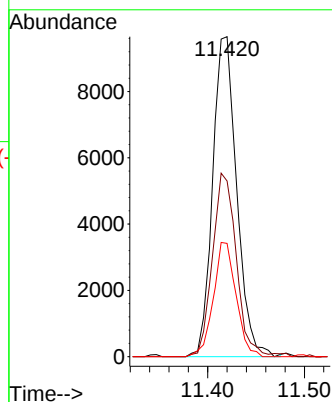
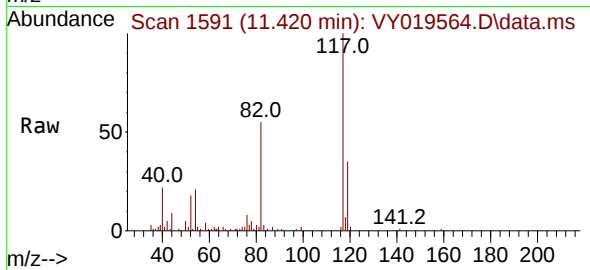
Instrument :

MSVOA\_Y

ClientSampleId :

EO-03-091224RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 16670 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.9  | 42.4  | 63.6  |
| 119      | 35.4  | 25.9  | 38.9  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY019564.D

Acq: 16 Sep 2024 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2675  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 72.6  | 28.2  | 84.7  |
| 150      | 172.0 | 0.0   | 345.6 |

