

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091924\  
 Data File : VY019629.D  
 Acq On : 19 Sep 2024 13:14  
 Operator : SY/MD  
 Sample : P4023-03  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CONCRETE-TP-9

Quant Time: Sep 20 01:28:17 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   | 305564   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 574458   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 510746   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 195546   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.055  | 65    | 178656   | 63.142   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 126.280% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 143517   | 44.063   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 88.120%  |
| 50) Toluene-d8              | 10.109 | 98    | 690127   | 57.286   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 114.580% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 221967   | 47.918   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 95.840%  |

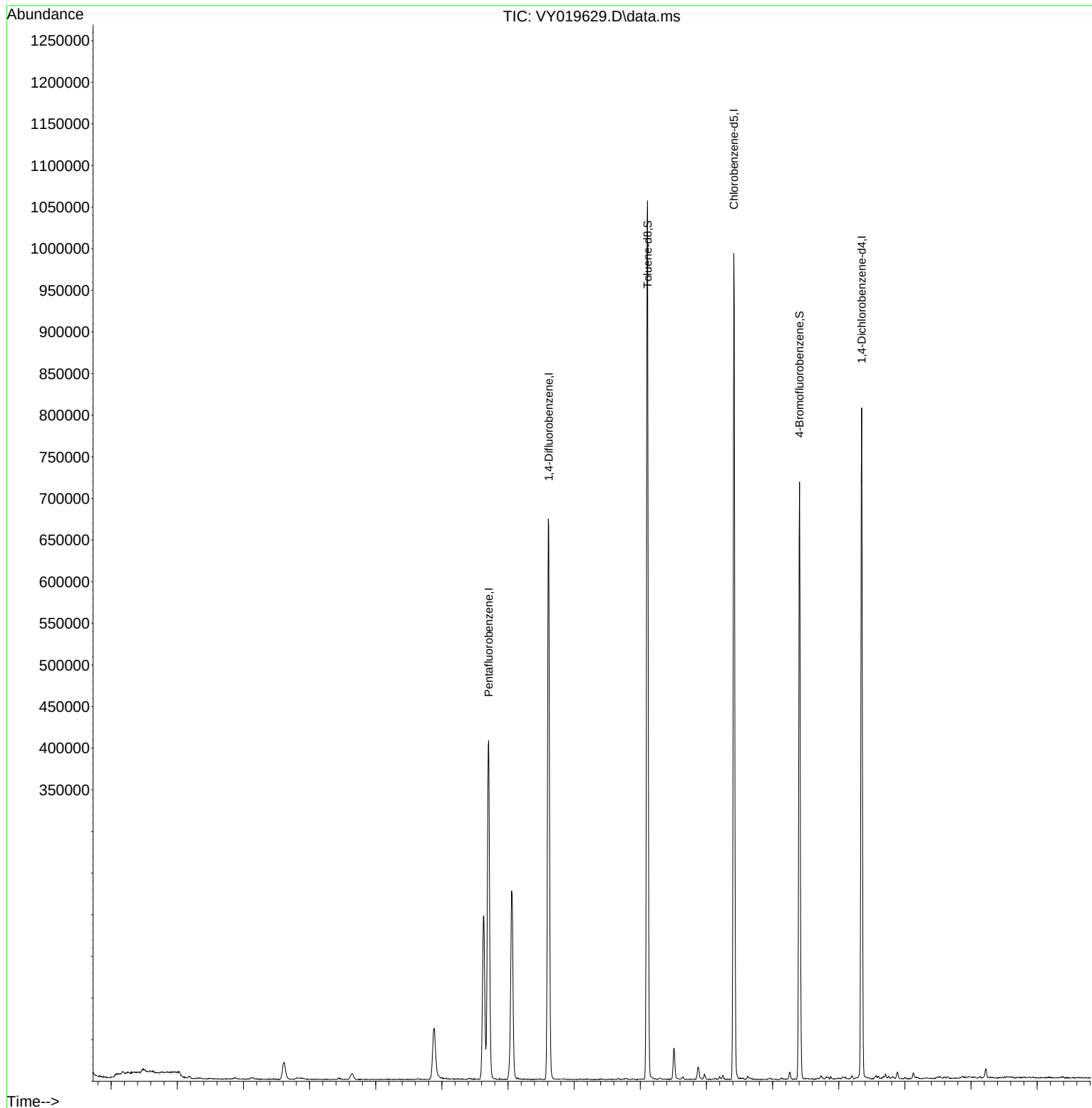
Target Compounds Qvalue

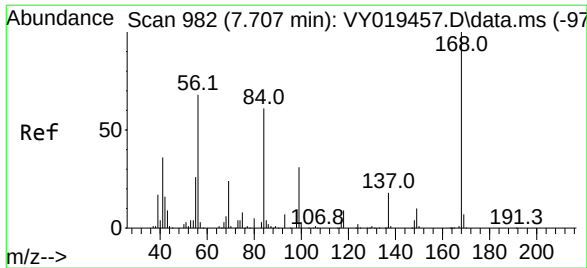
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CONCRETE-TP-9

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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

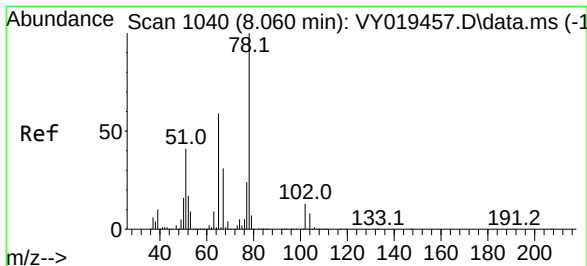
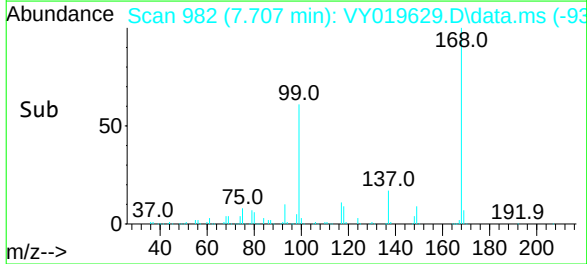
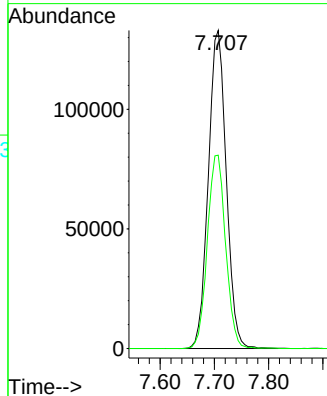
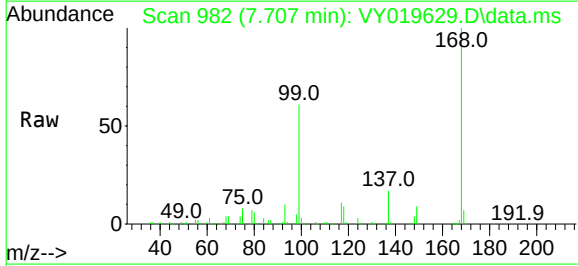




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 98  
Delta R.T. 0.000 min  
Lab File: VY019629.D  
Acq: 19 Sep 2024 13:14

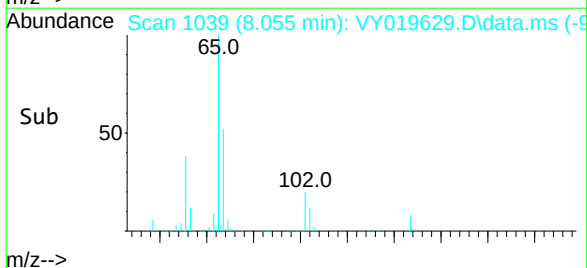
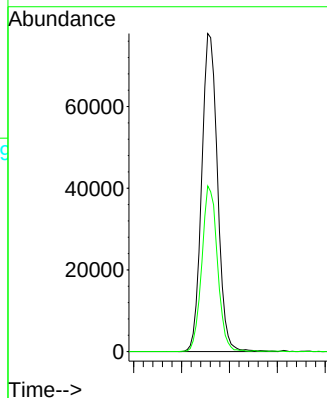
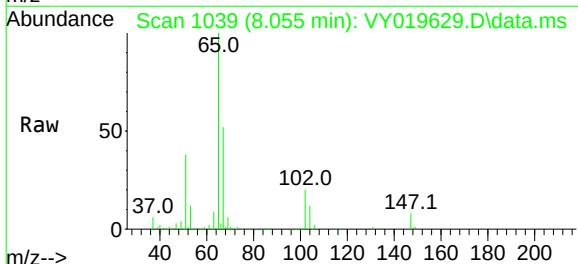
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CONCRETE-TP-9

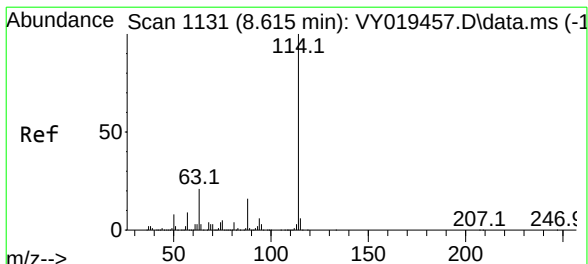
Tgt Ion:168 Resp: 305564  
Ion Ratio Lower Upper  
168 100  
99 60.8 39.1 58.7#



#33  
1,2-Dichloroethane-d4  
Concen: 63.142 ug/l  
RT: 8.055 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY019629.D  
Acq: 19 Sep 2024 13:14

Tgt Ion: 65 Resp: 178656  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 109.6



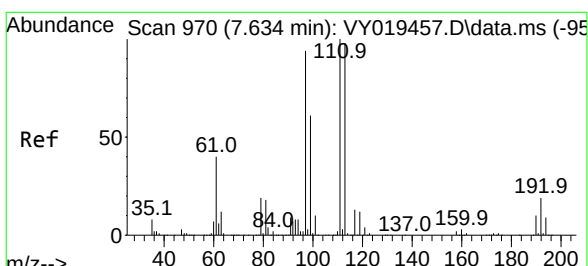
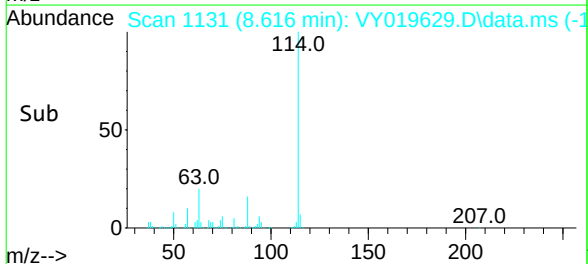
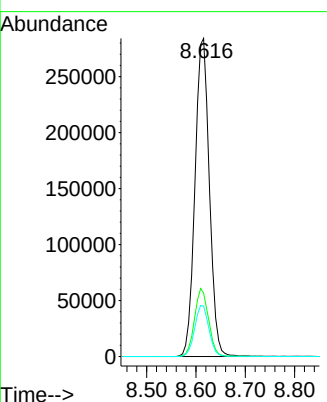
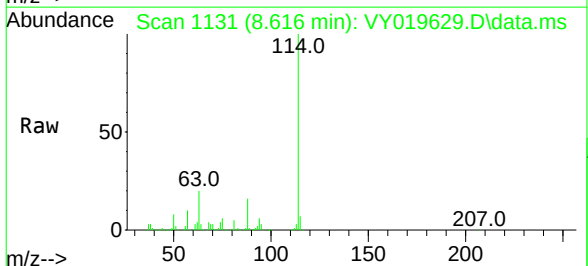


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY019629.D  
 Acq: 19 Sep 2024 13:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CONCRETE-TP-9

Tgt Ion: 114 Resp: 574458

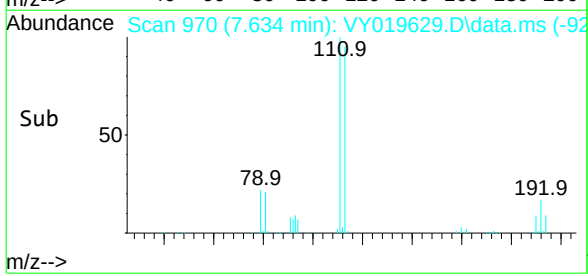
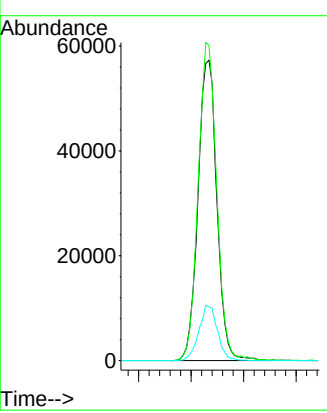
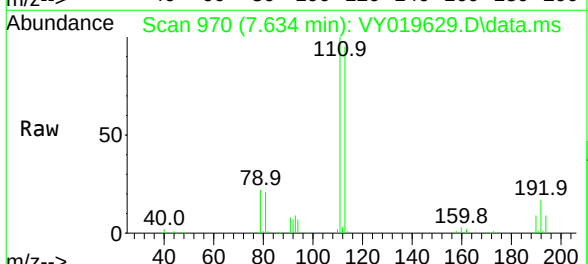
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.9  | 0.0   | 35.0  |
| 88  | 15.8  | 0.0   | 27.2  |

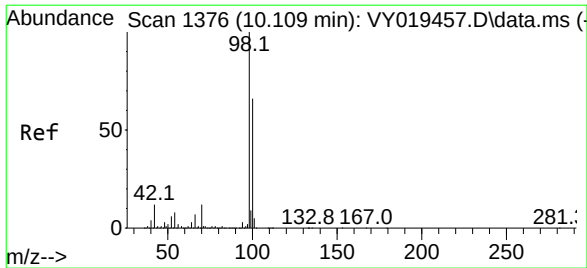


#35  
 Dibromofluoromethane  
 Concen: 44.063 ug/l  
 RT: 7.634 min Scan# 970  
 Delta R.T. 0.000 min  
 Lab File: VY019629.D  
 Acq: 19 Sep 2024 13:14

Tgt Ion: 113 Resp: 143517

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.9 | 82.2  | 123.4 |
| 192 | 18.1  | 15.9  | 23.9  |





#50

Toluene-d8

Concen: 57.286 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019629.D

Acq: 19 Sep 2024 13:14

Instrument :

MSVOA\_Y

ClientSampleId :

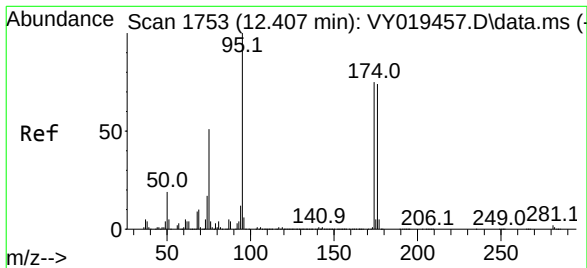
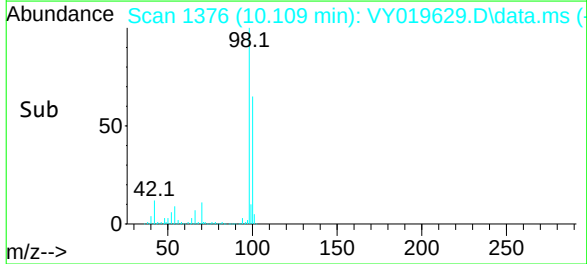
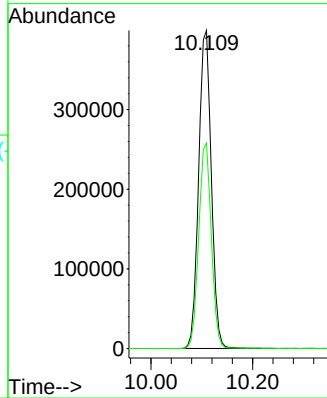
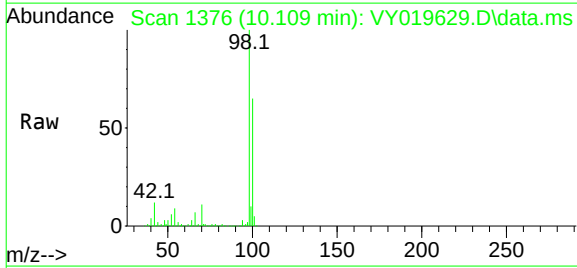
CONCRETE-TP-9

Tgt Ion: 98 Resp: 690127

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 47.918 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019629.D

Acq: 19 Sep 2024 13:14

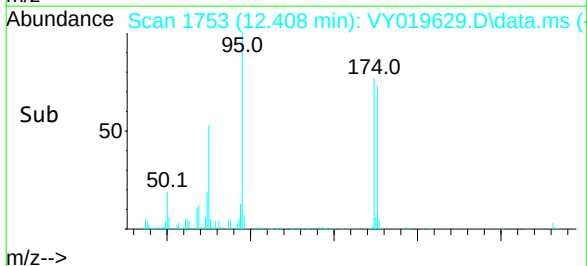
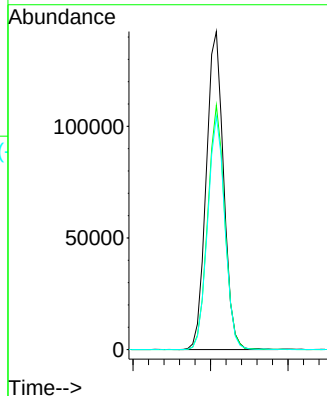
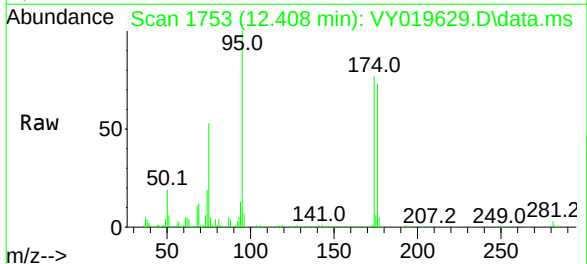
Tgt Ion: 95 Resp: 221967

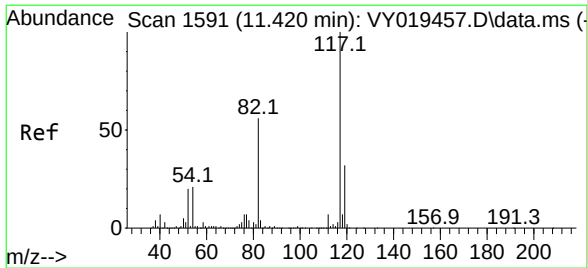
Ion Ratio Lower Upper

95 100

174 75.1 0.0 175.6

176 72.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1591

Delta R.T. -0.006 min

Lab File: VY019629.D

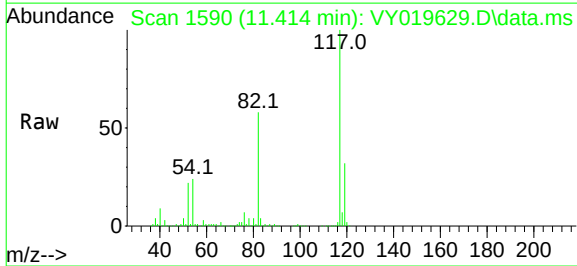
Acq: 19 Sep 2024 13:14

Instrument :

MSVOA\_Y

ClientSampleId :

CONCRETE-TP-9



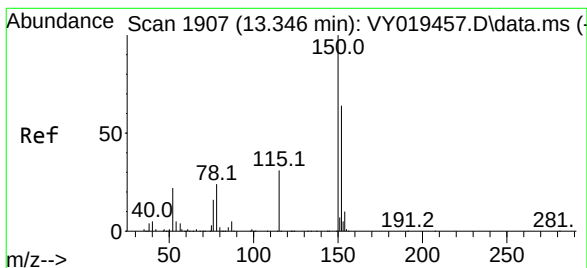
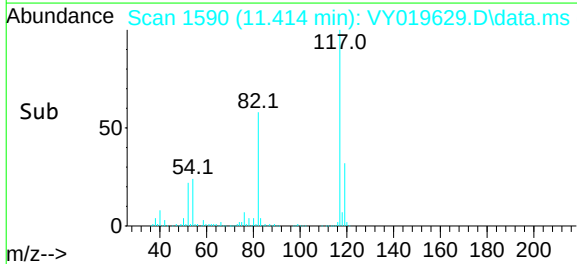
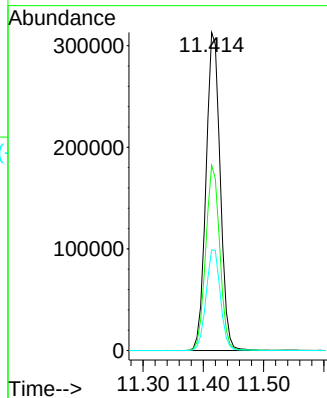
Tgt Ion:117 Resp: 510746

Ion Ratio Lower Upper

117 100

82 58.2 42.4 63.6

119 31.7 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: VY019629.D

Acq: 19 Sep 2024 13:14

Tgt Ion:152 Resp: 195546

Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 156.3 0.0 345.6

