

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090723\  
 Data File : VY015470.D  
 Acq On : 07 Sep 2023 16:29  
 Operator : SY/MD  
 Sample : 04336-03  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TRENCH-B

Quant Time: Sep 07 23:10:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.777  | 168  | 126991   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.679  | 114  | 207678   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.483 | 117  | 183746   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 86354    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 78349    | 57.553   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 115.100% |
| 35) Dibromofluoromethane    | 7.704  | 113   | 65468    | 54.731   | ug/l | -0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.460% |
| 50) Toluene-d8              | 10.173 | 98    | 240534   | 55.527   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 111.060% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 81556    | 50.715   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.420% |

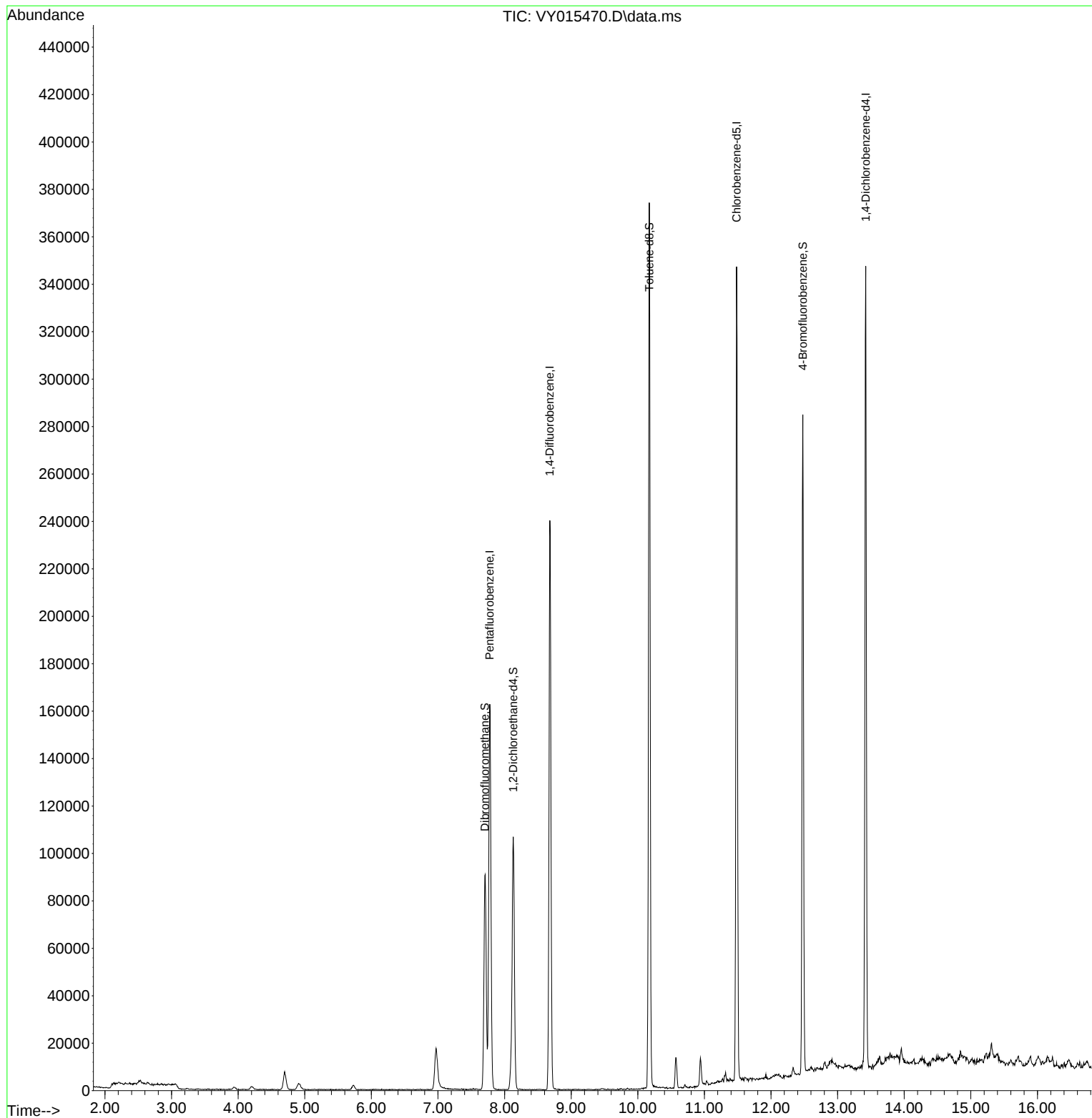
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

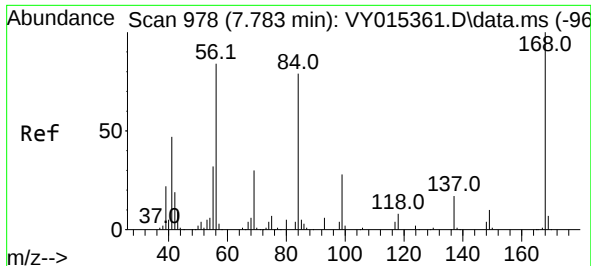
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 23:10:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration

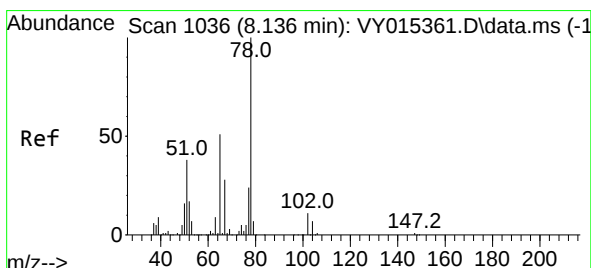
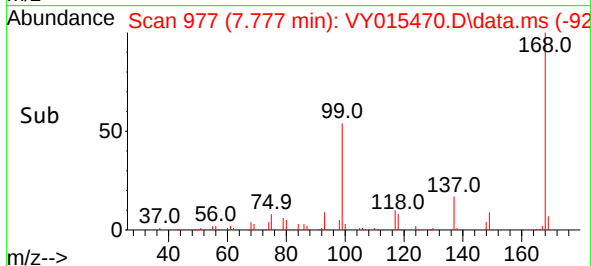
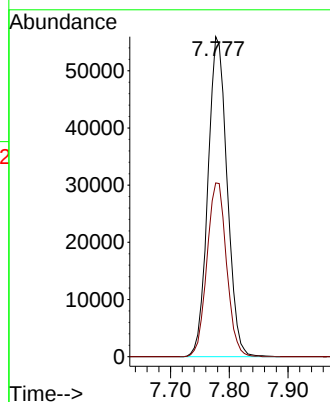
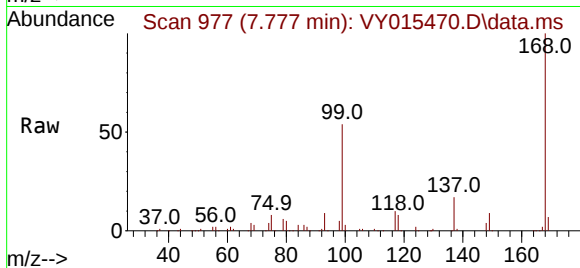




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

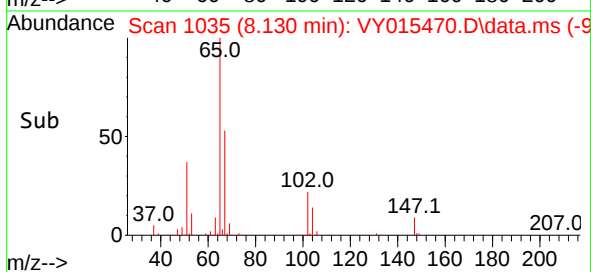
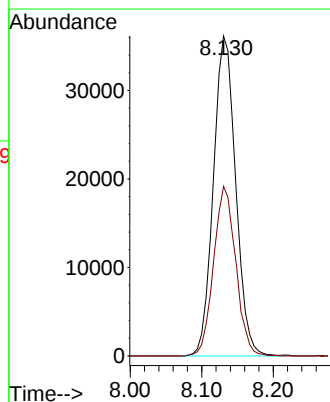
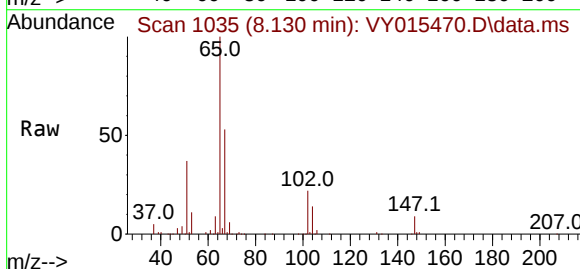
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TRENCH-B

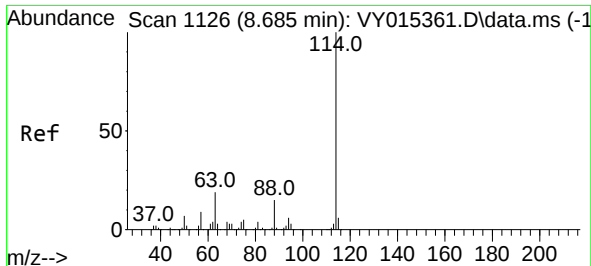
Tgt Ion:168 Resp: 126991  
Ion Ratio Lower Upper  
168 100  
99 54.3 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 57.553 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

Tgt Ion: 65 Resp: 78349  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 101.8

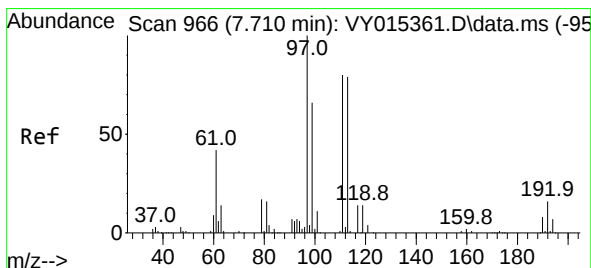
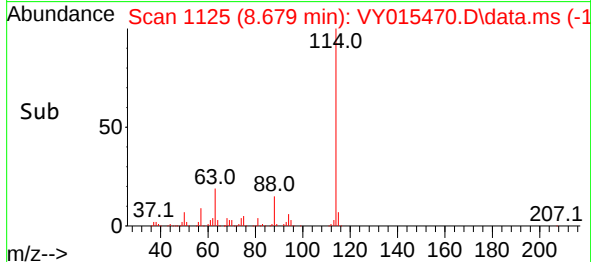
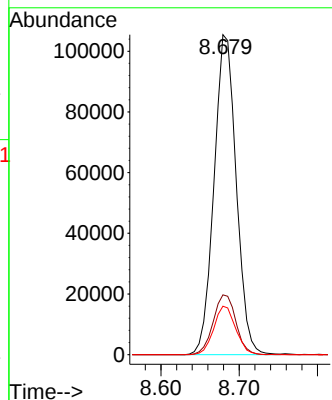
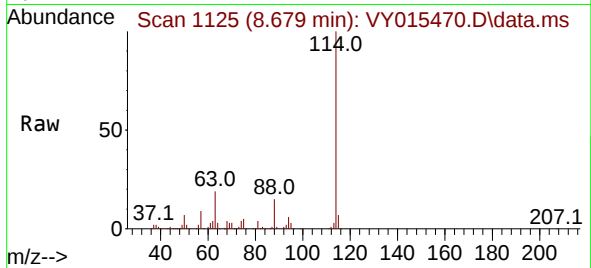




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.679 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

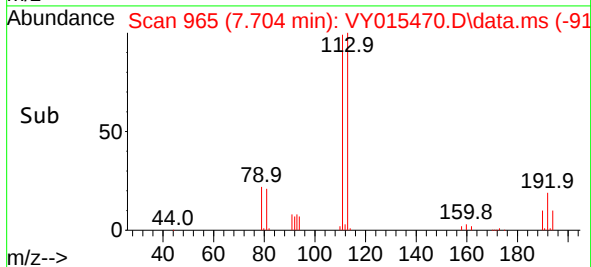
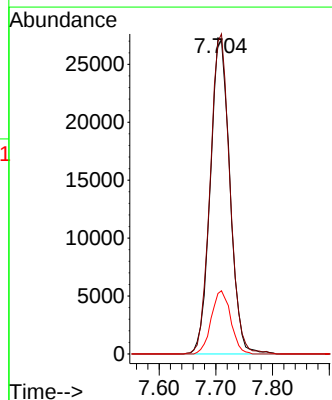
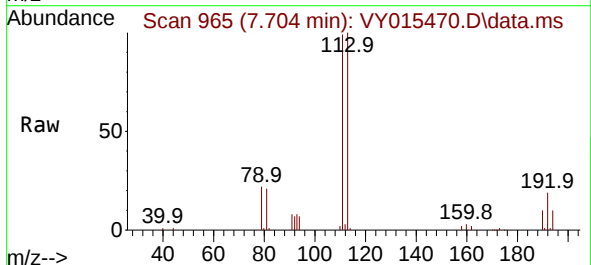
Instrument :  
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ClientSampleId :  
TRENCH-B

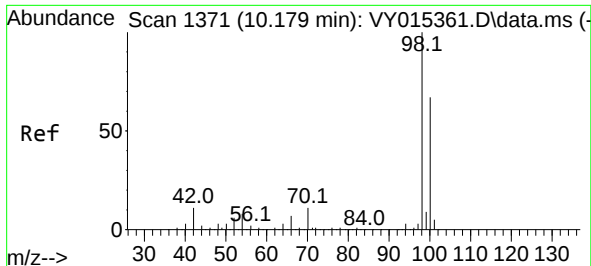
Tgt Ion:114 Resp: 207678  
Ion Ratio Lower Upper  
114 100  
63 18.7 0.0 42.4  
88 15.1 0.0 30.6



#35  
Dibromofluoromethane  
Concen: 54.731 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.012 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

Tgt Ion:113 Resp: 65468  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.3 121.9  
192 19.8 16.9 25.3

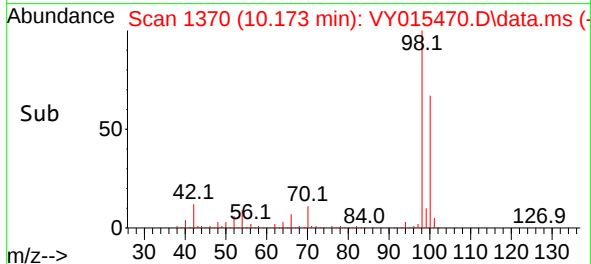
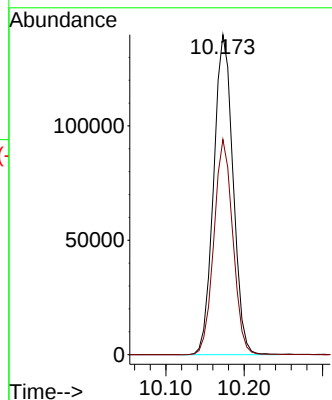
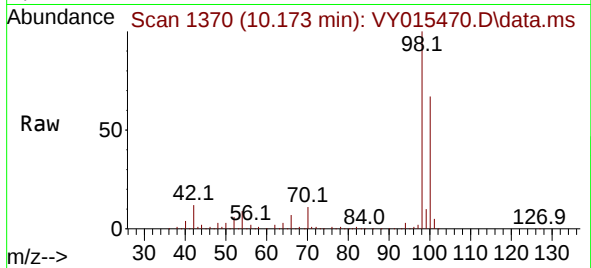




#50  
Toluene-d8  
Concen: 55.527 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

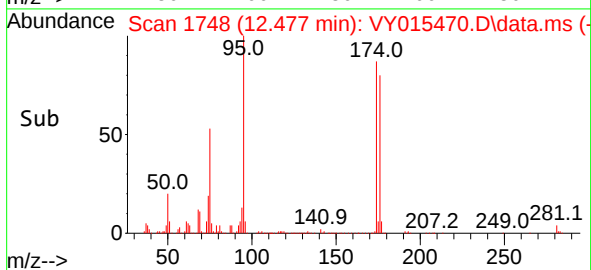
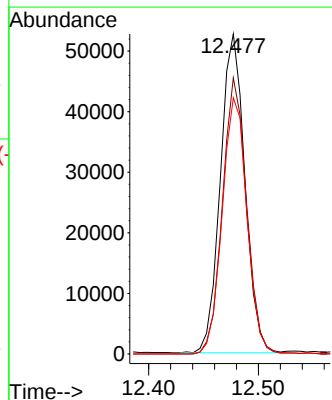
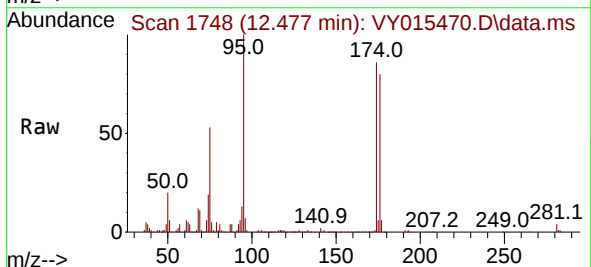
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TRENCH-B

Tgt Ion: 98 Resp: 240534  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 50.715 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY015470.D  
Acq: 07 Sep 2023 16:29

Tgt Ion: 95 Resp: 81556  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 178.2  
176 81.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015470.D

Acq: 07 Sep 2023 16:29

Instrument :

MSVOA\_Y

ClientSampleId :

TRENCH-B

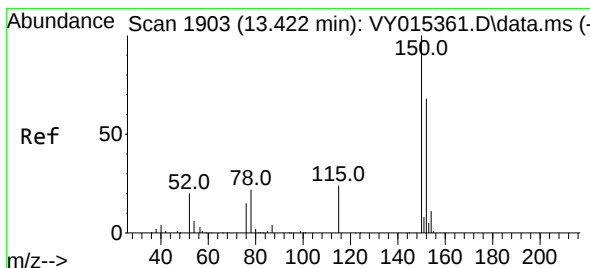
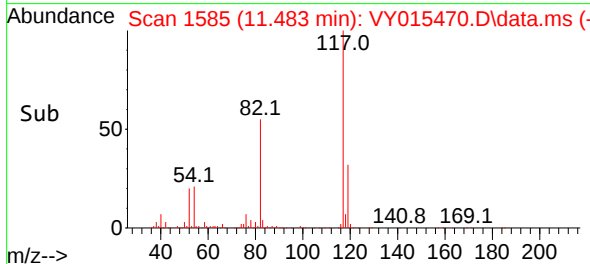
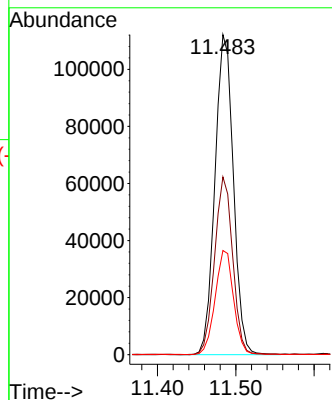
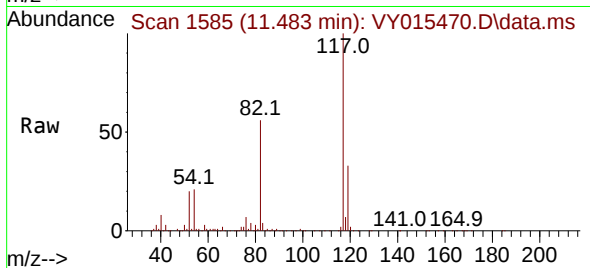
Tgt Ion:117 Resp: 183746

Ion Ratio Lower Upper

117 100

82 55.6 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015470.D

Acq: 07 Sep 2023 16:29

Tgt Ion:152 Resp: 86354

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 155.1 0.0 348.8

