

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
 Data File : VY011328.D  
 Acq On : 07 Nov 2022 12:11  
 Operator : KP/MD  
 Sample : N5435-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PTS-SOIL-PILE-1103

Quant Time: Nov 08 03:28:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

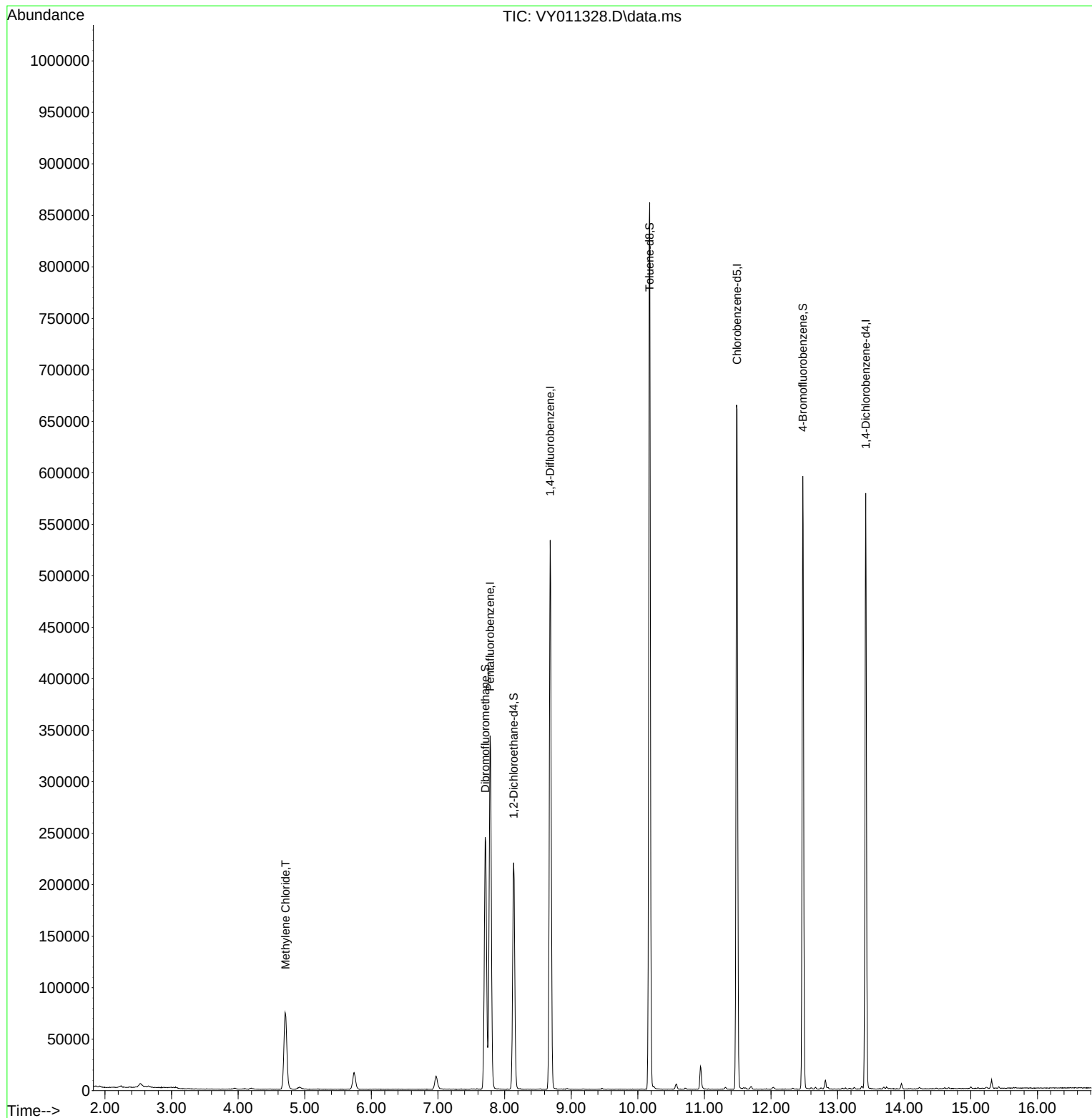
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 275841   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 470742   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 394737   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 153426   | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 169715   | 57.528   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 115.060% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 177674   | 58.745   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 117.480% |
| 50) Toluene-d8              | 10.179 | 98    | 588055   | 50.078   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 100.160% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 186583   | 45.769   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 91.540%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.710  | 84    | 61954    | 13.322   | ug/l  | # 81     |
| -----                       |        |       |          |          |       |          |

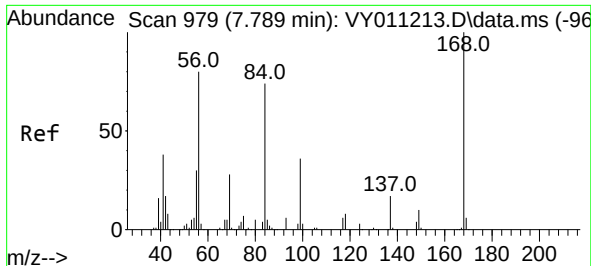
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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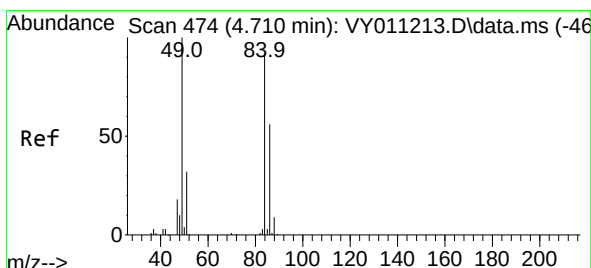
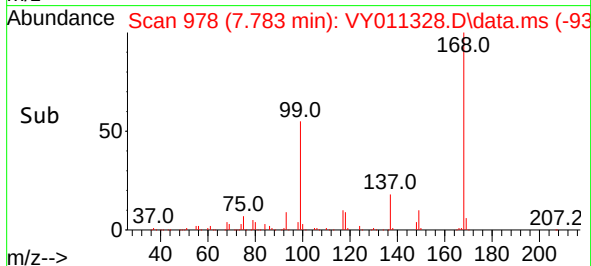
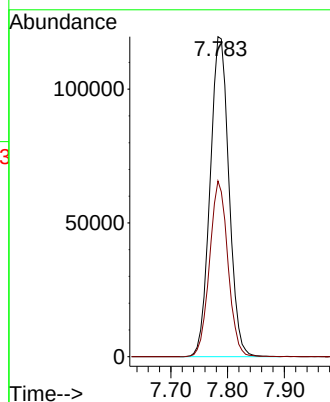
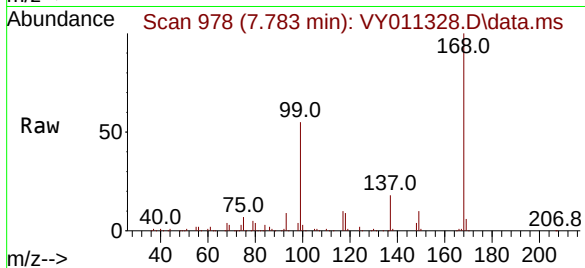




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

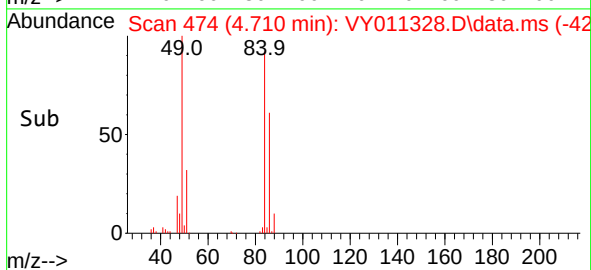
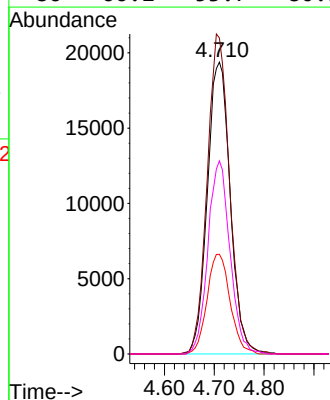
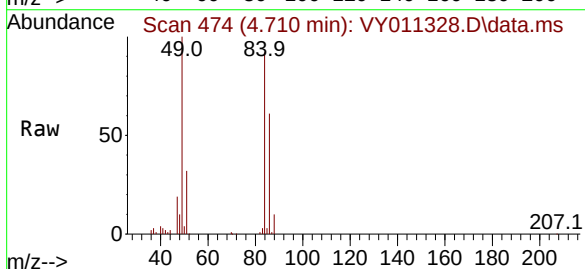
Instrument :  
MSVOA\_Y  
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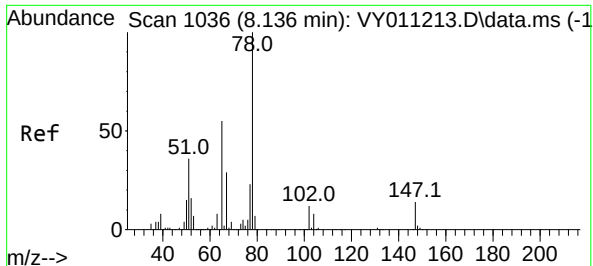
Tgt Ion:168 Resp: 275841  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.9 70.3



#20  
Methylene Chloride  
Concen: 13.322 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

Tgt Ion: 84 Resp: 61954  
Ion Ratio Lower Upper  
84 100  
49 108.3 114.4 171.6#  
51 34.2 35.3 52.9#  
86 66.2 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 57.528 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY011328.D

Acq: 07 Nov 2022 12:11

Instrument :

MSVOA\_Y

ClientSampleId :

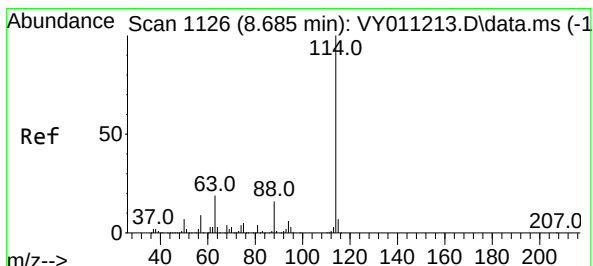
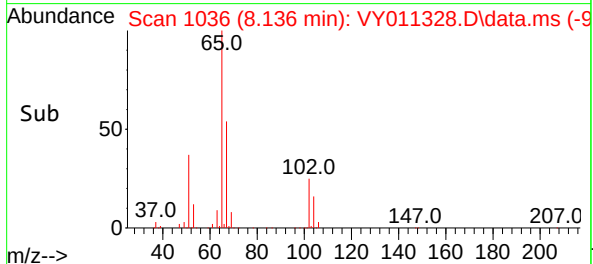
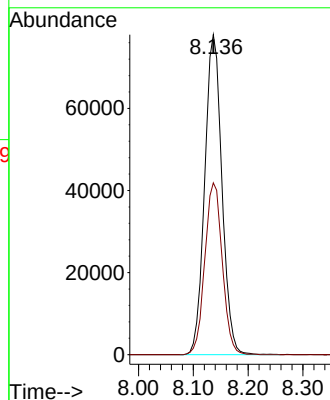
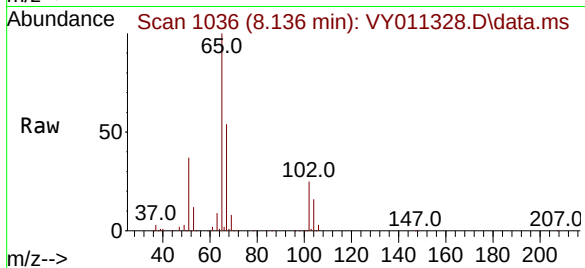
PTS-SOIL-PILE-1103

Tgt Ion: 65 Resp: 169715

Ion Ratio Lower Upper

65 100

67 54.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011328.D

Acq: 07 Nov 2022 12:11

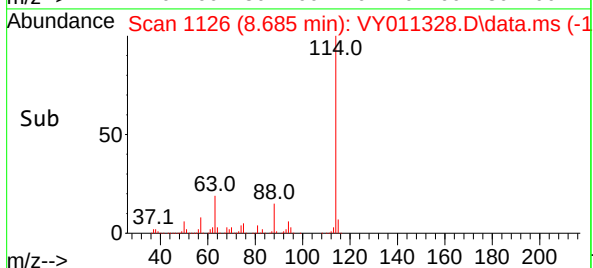
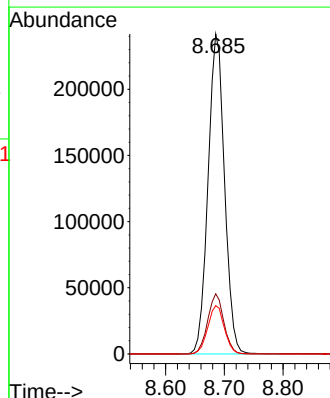
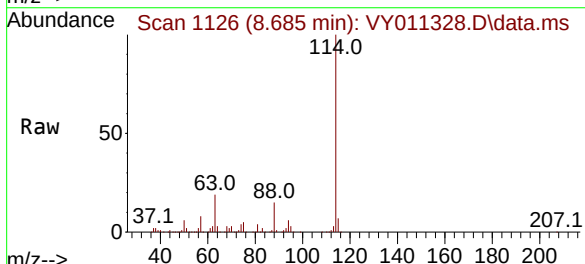
Tgt Ion: 114 Resp: 470742

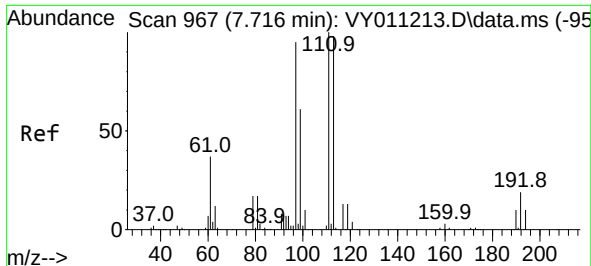
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.1 0.0 31.8

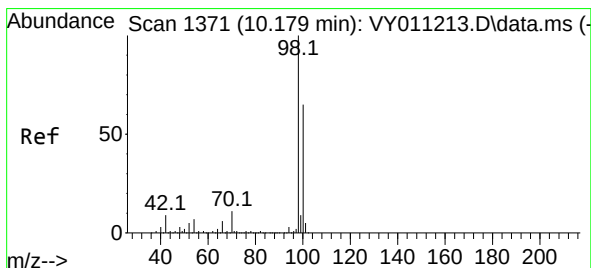
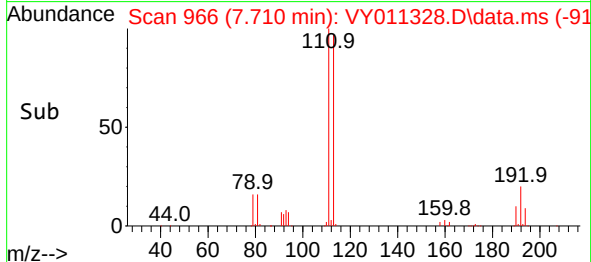
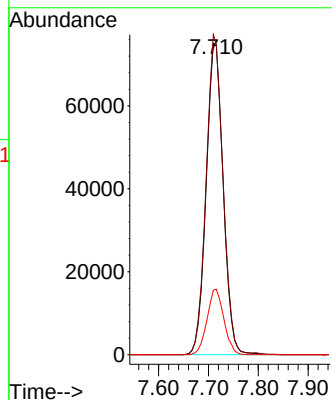
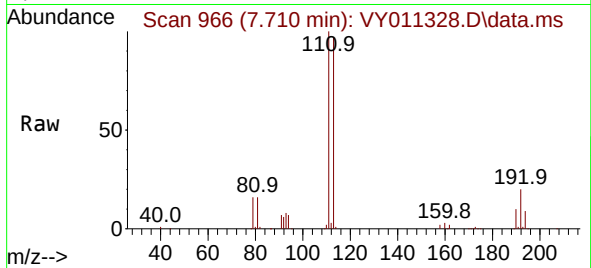




#35  
Dibromofluoromethane  
Concen: 58.745 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

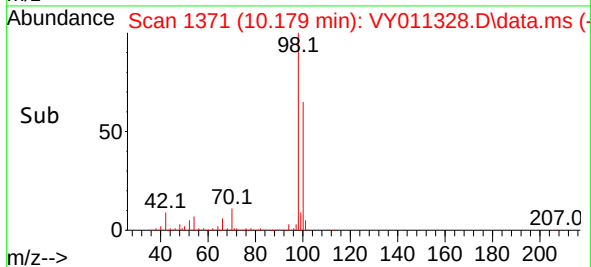
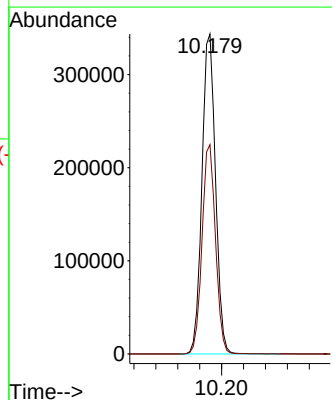
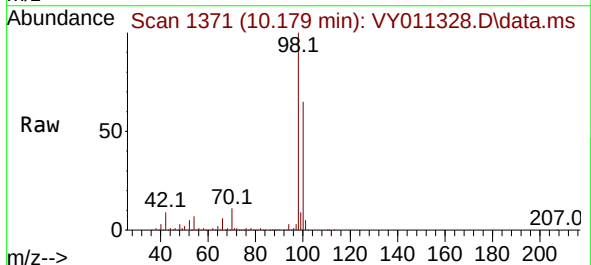
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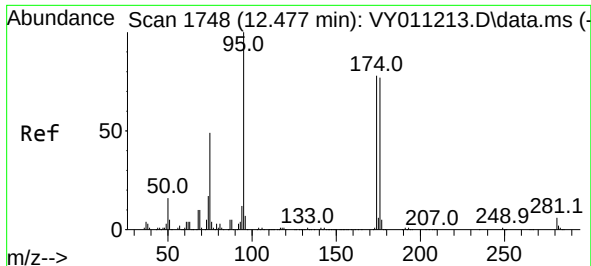
Tgt Ion:113 Resp: 177674  
Ion Ratio Lower Upper  
113 100  
111 102.7 82.6 124.0  
192 20.8 17.6 26.4



#50  
Toluene-d8  
Concen: 50.078 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

Tgt Ion: 98 Resp: 588055  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2

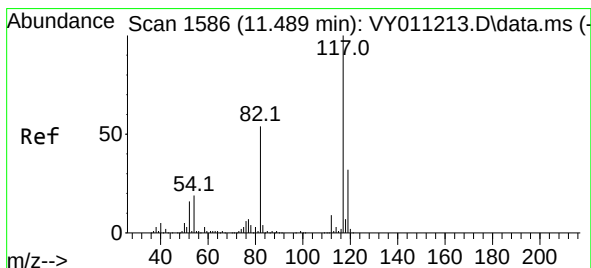
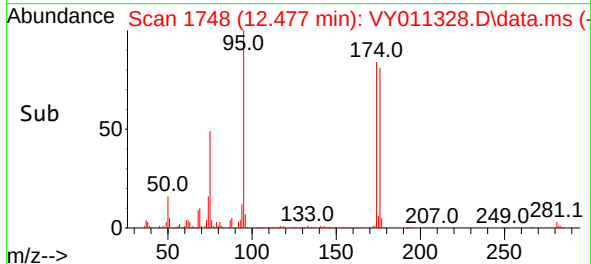
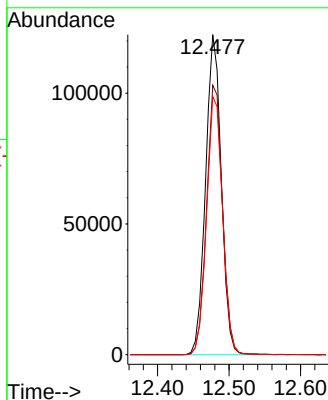
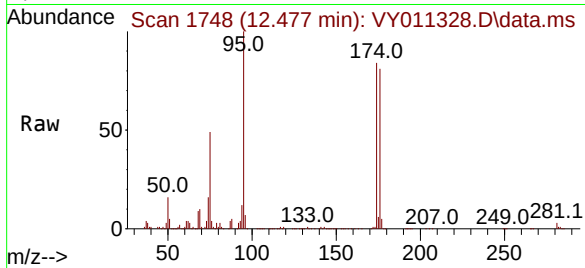




#62  
4-Bromofluorobenzene  
Concen: 45.769 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

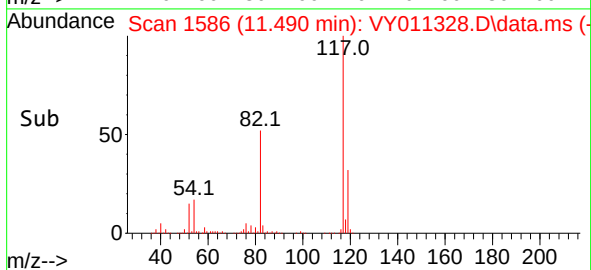
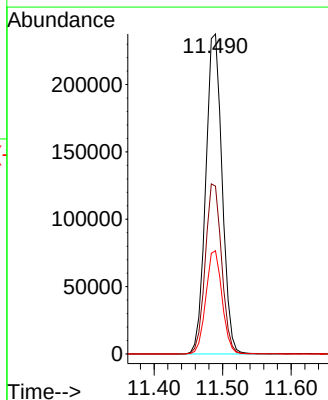
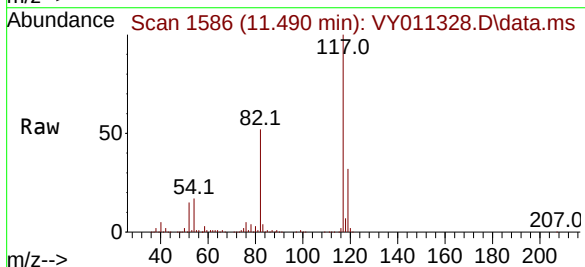
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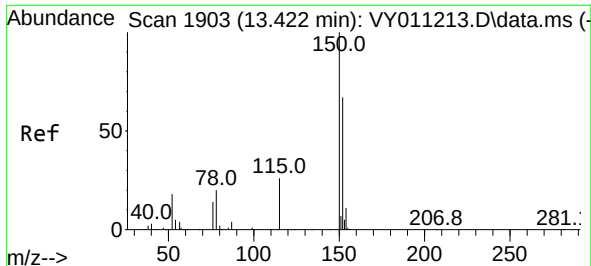
Tgt Ion: 95 Resp: 186583  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 177.0  
176 82.1 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY011328.D  
Acq: 07 Nov 2022 12:11

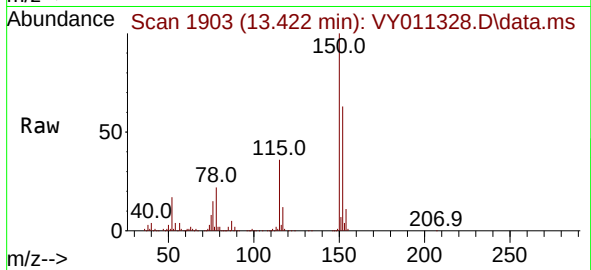
Tgt Ion: 117 Resp: 394737  
Ion Ratio Lower Upper  
117 100  
82 52.5 43.0 64.4  
119 32.2 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY011328.D  
 Acq: 07 Nov 2022 12:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 PTS-SOIL-PILE-1103



Tgt Ion:152 Resp: 153426  
 Ion Ratio Lower Upper  
 152 100  
 115 57.3 28.2 84.7  
 150 156.4 0.0 347.6

