

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
 Data File : VY011338.D  
 Acq On : 07 Nov 2022 16:25  
 Operator : KP/MD  
 Sample : N5495-10  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-01

Quant Time: Nov 08 03:29:59 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

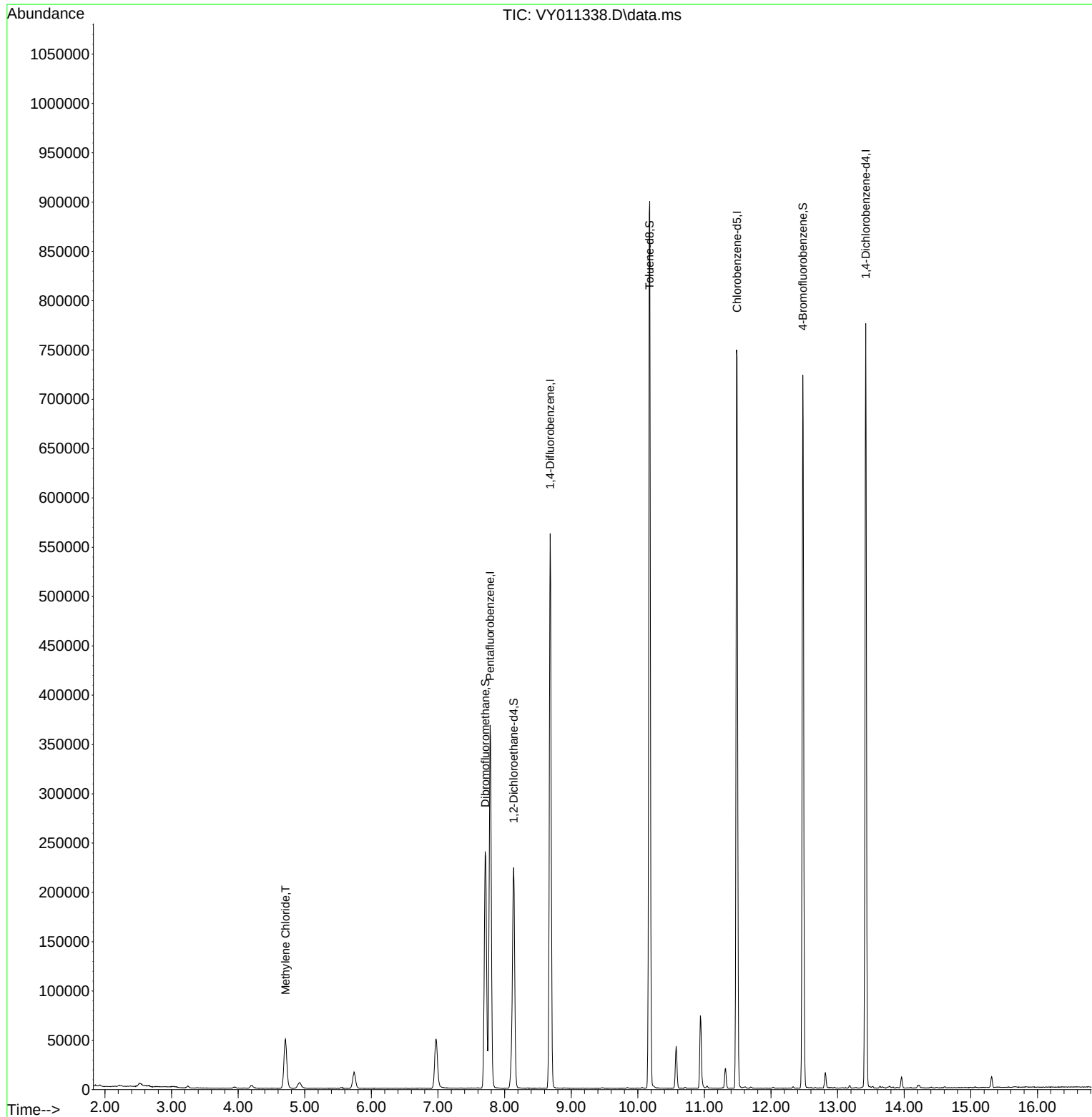
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.783  | 168   | 292272   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 492964   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 441496   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 209347   | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 163115   | 52.182   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 104.360% |             |
| 35) Dibromofluoromethane    | 7.710  | 113   | 176721   | 55.796   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 111.600% |             |
| 50) Toluene-d8              | 10.179 | 98    | 613261   | 49.870   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 99.740%  |             |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 218549   | 51.193   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 102.380% |             |
| Target Compounds            |        |       |          |          |            |             |
| 20) Methylene Chloride      | 4.710  | 84    | 40501    | 6.078    | ug/l       | Qvalue # 79 |
| -----                       |        |       |          |          |            |             |

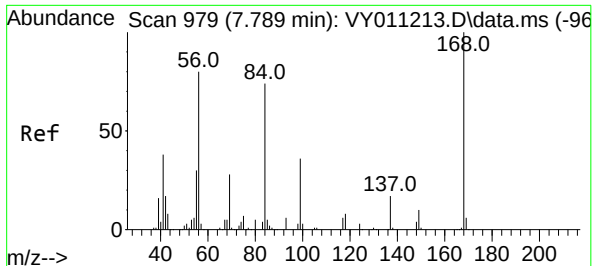
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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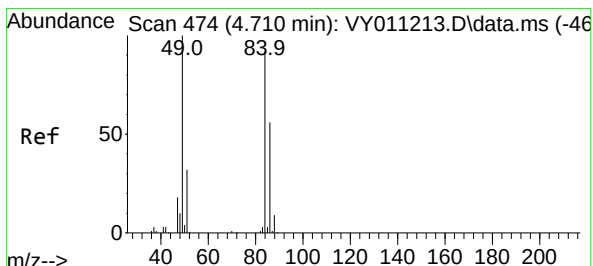
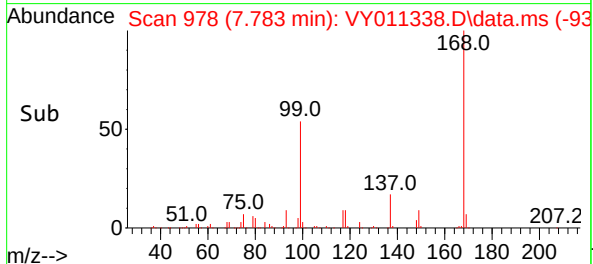
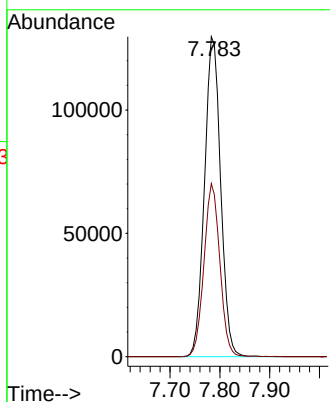
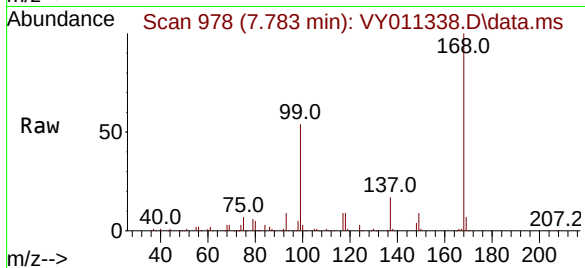




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

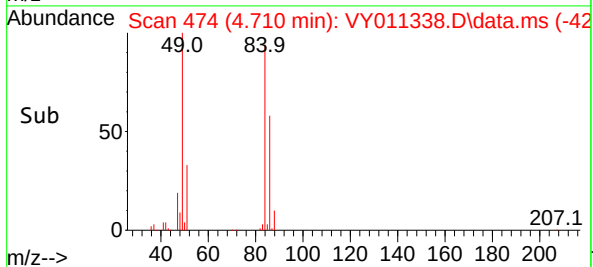
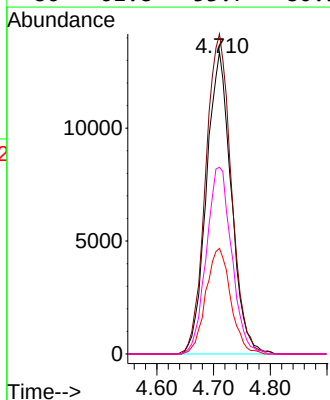
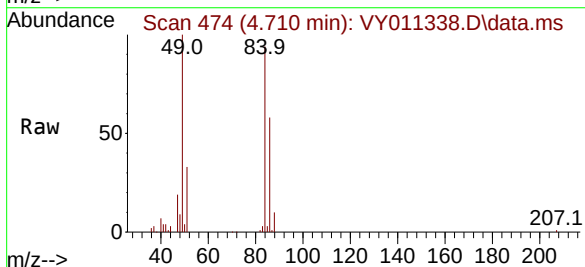
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-01

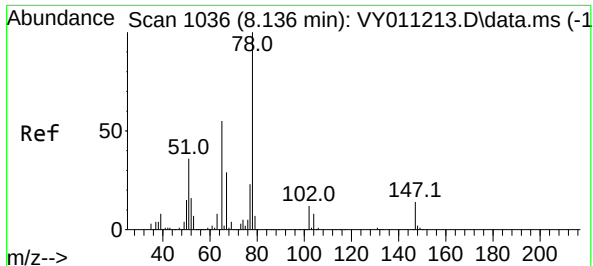
Tgt Ion:168 Resp: 292272  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.9 70.3



#20  
Methylene Chloride  
Concen: 6.078 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

Tgt Ion: 84 Resp: 40501  
Ion Ratio Lower Upper  
84 100  
49 106.0 114.4 171.6#  
51 35.0 35.3 52.9#  
86 61.8 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 52.182 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011338.D

Acq: 07 Nov 2022 16:25

Instrument :

MSVOA\_Y

ClientSampleId :

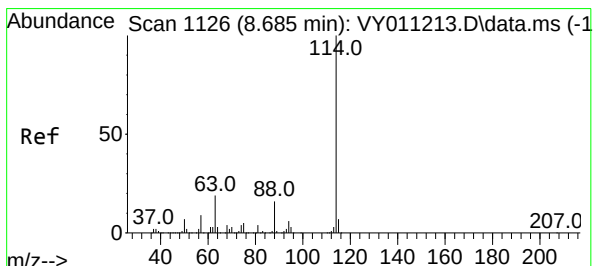
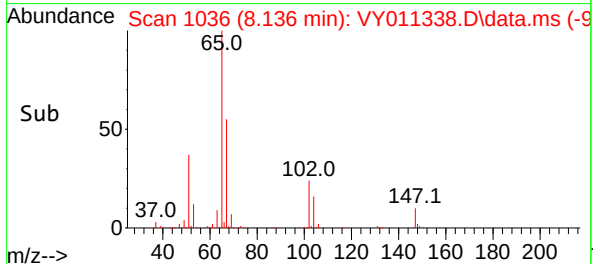
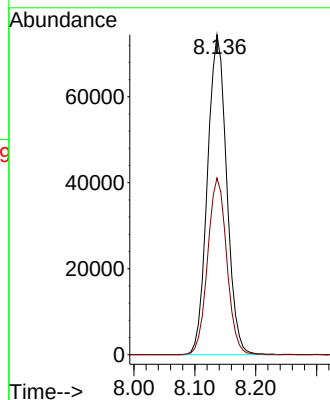
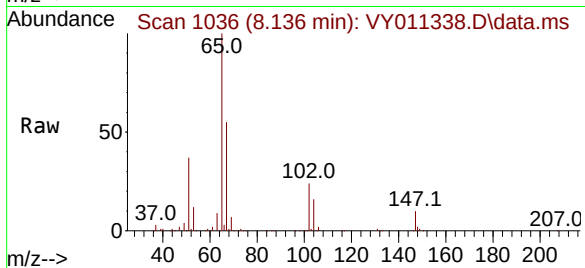
DUP-01

Tgt Ion: 65 Resp: 163115

Ion Ratio Lower Upper

65 100

67 54.8 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: VY011338.D

Acq: 07 Nov 2022 16:25

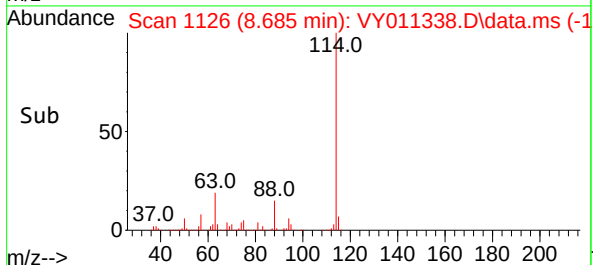
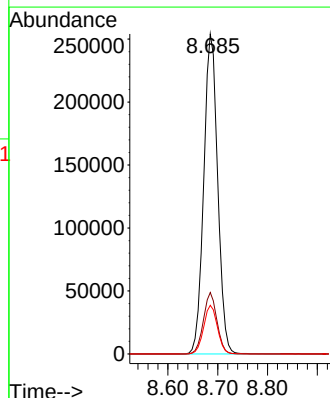
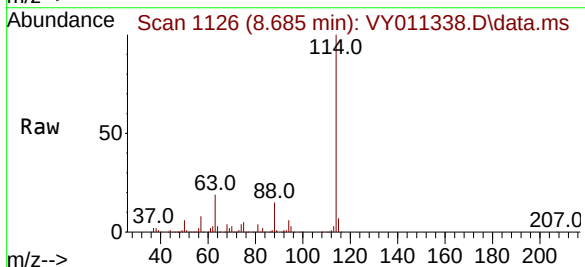
Tgt Ion: 114 Resp: 492964

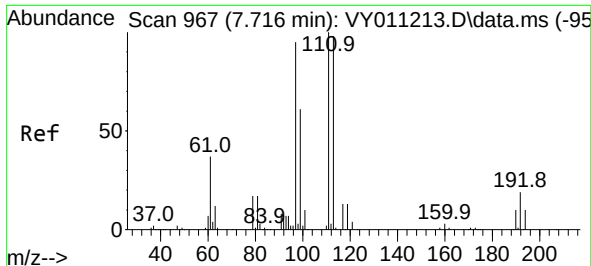
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.2 0.0 31.8

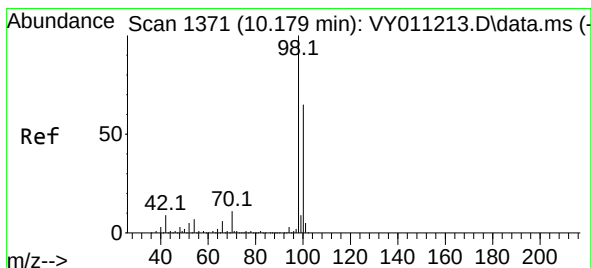
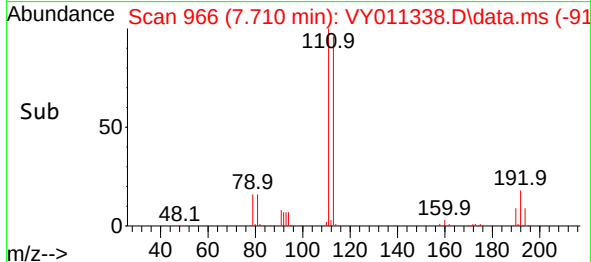
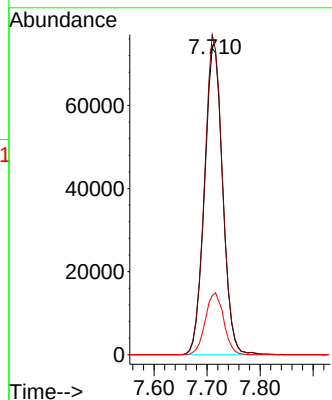
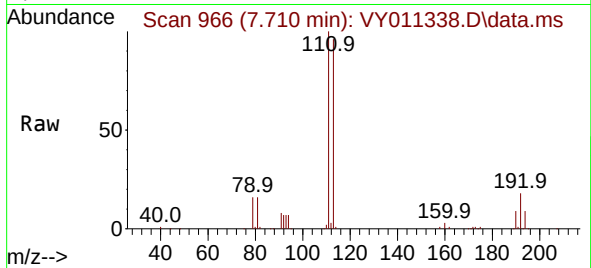




#35  
Dibromofluoromethane  
Concen: 55.796 ug/l  
RT: 7.710 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

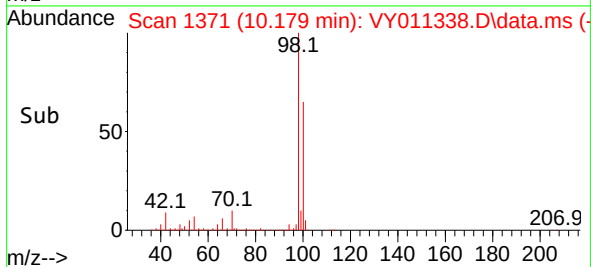
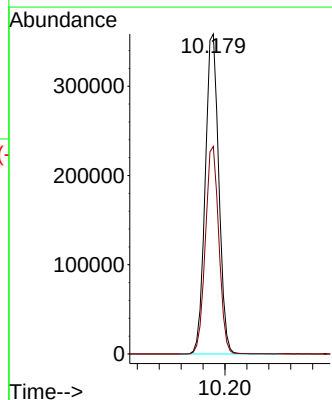
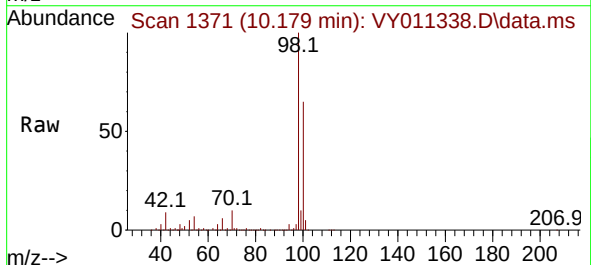
Instrument :  
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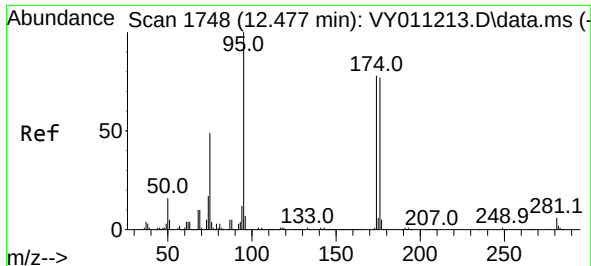
Tgt Ion:113 Resp: 176721  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 20.3 17.6 26.4



#50  
Toluene-d8  
Concen: 49.870 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

Tgt Ion: 98 Resp: 613261  
Ion Ratio Lower Upper  
98 100  
100 64.7 50.2 75.2

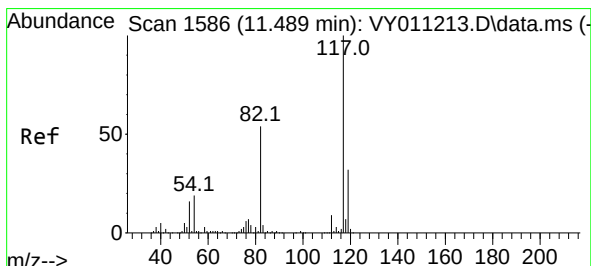
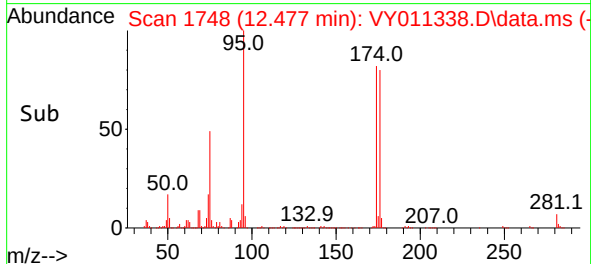
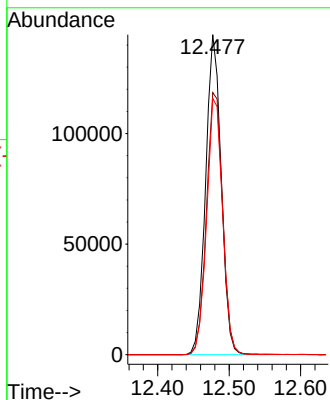
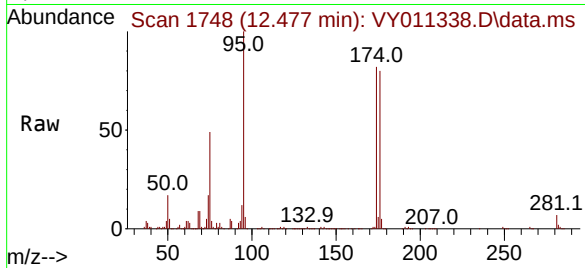




#62  
4-Bromofluorobenzene  
Concen: 51.193 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

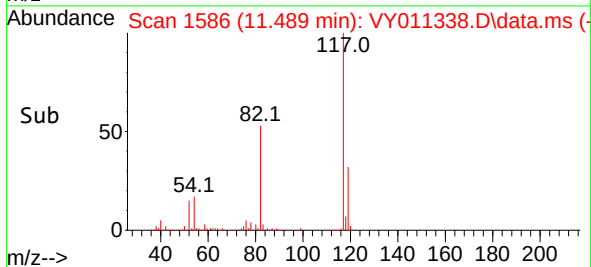
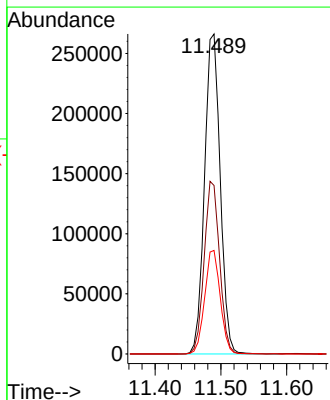
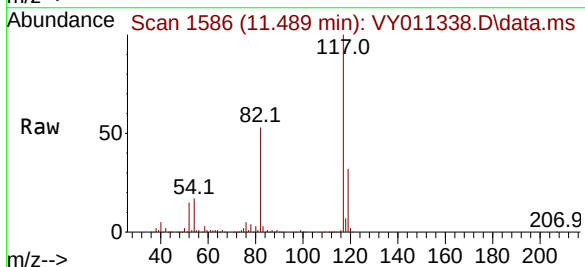
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DUP-01

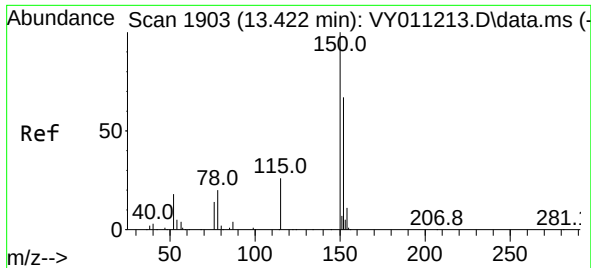
Tgt Ion: 95 Resp: 218549  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 177.0  
176 82.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY011338.D  
Acq: 07 Nov 2022 16:25

Tgt Ion: 117 Resp: 441496  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.0 64.4  
119 32.4 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: VY011338.D  
 Acq: 07 Nov 2022 16:25

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUP-01

Tgt Ion:152 Resp: 209347  
 Ion Ratio Lower Upper  
 152 100  
 115 57.0 28.2 84.7  
 150 156.3 0.0 347.6

