

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072222\  
 Data File : VY009657.D  
 Acq On : 22 Jul 2022 14:13  
 Operator : KP/MD  
 Sample : N3773-15  
 Misc : 5.84g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DL-2(14.5-15)

Quant Time: Jul 23 00:53:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

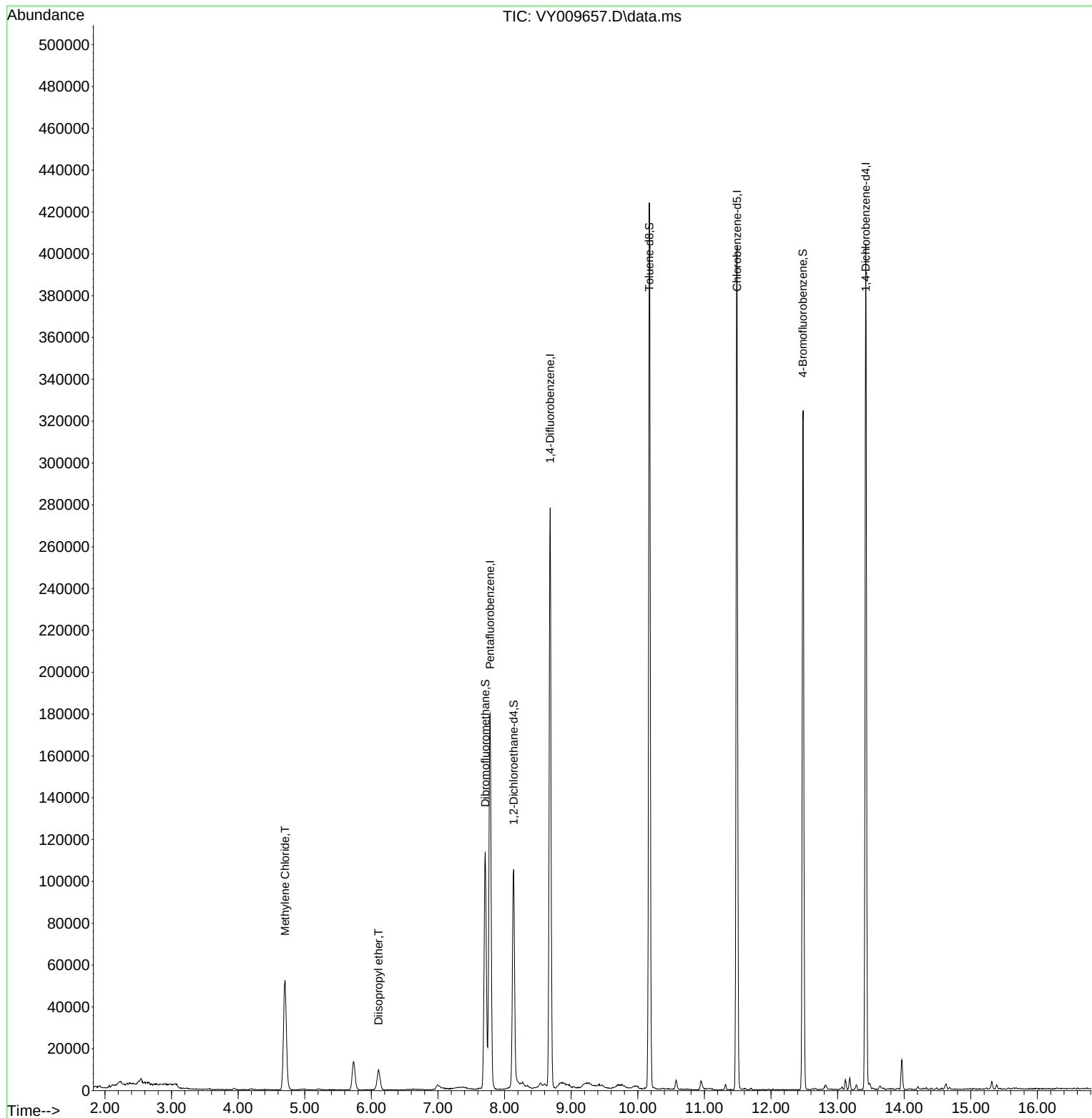
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 152019   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 243078   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 232428   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 109640   | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 80270    | 55.831   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 111.660% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 79359    | 51.822   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 103.640% |
| 50) Toluene-d8              | 10.173 | 98    | 282132   | 47.924   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =      | 95.840%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 89410    | 46.871   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =      | 93.740%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 20) Methylene Chloride      | 4.704  | 84    | 41502    | 16.057   | ug/l # | 81       |
| 22) Diisopropyl ether       | 6.106  | 45    | 11239    | 2.434    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

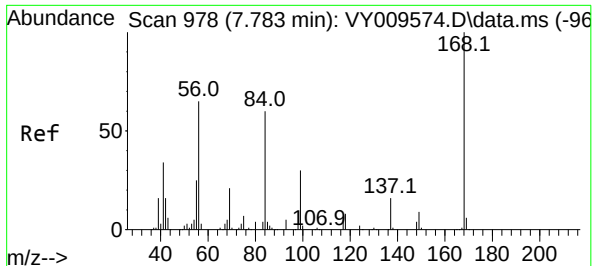
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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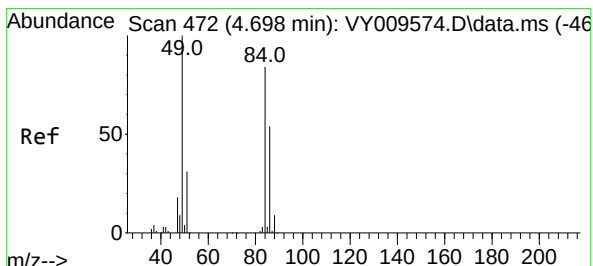
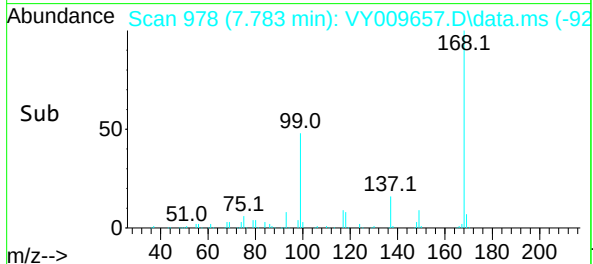
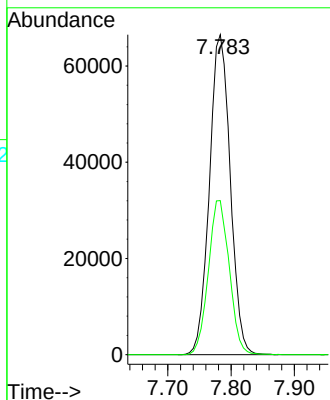
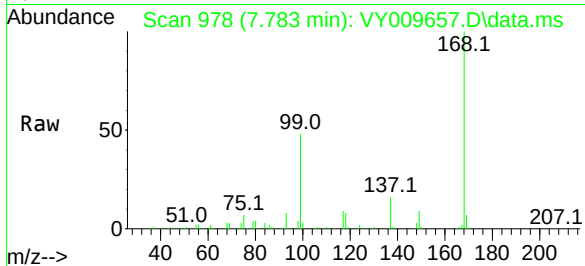




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

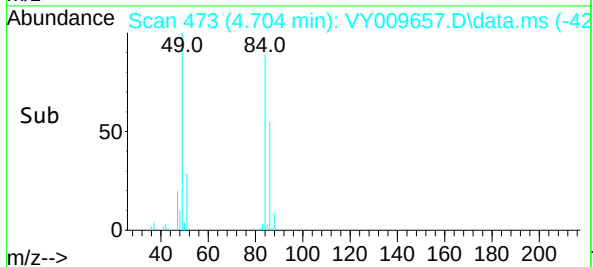
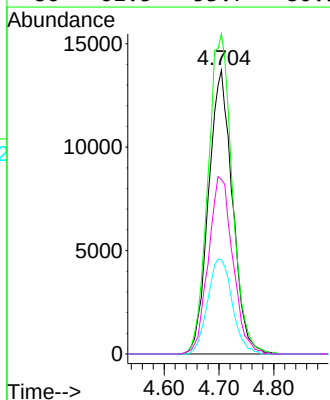
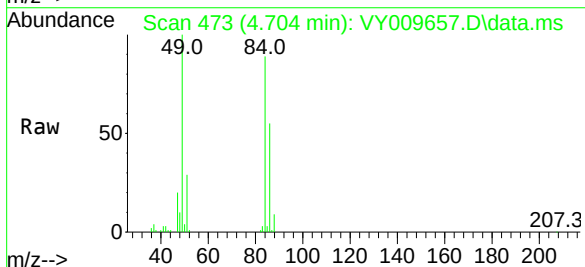
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DL-2(14.5-15)

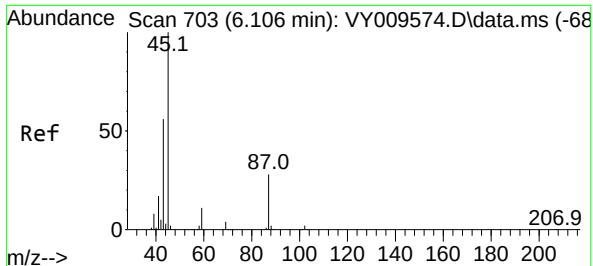
Tgt Ion:168 Resp: 152019  
Ion Ratio Lower Upper  
168 100  
99 48.2 46.9 70.3



#20  
Methylene Chloride  
Concen: 16.057 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.006 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

Tgt Ion: 84 Resp: 41502  
Ion Ratio Lower Upper  
84 100  
49 112.8 114.4 171.6#  
51 33.2 35.3 52.9#  
86 61.5 53.7 80.5

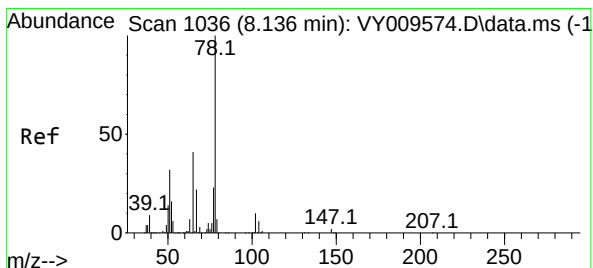
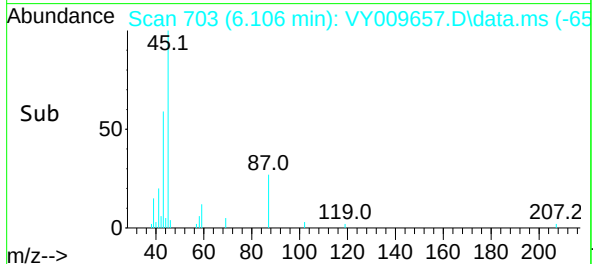
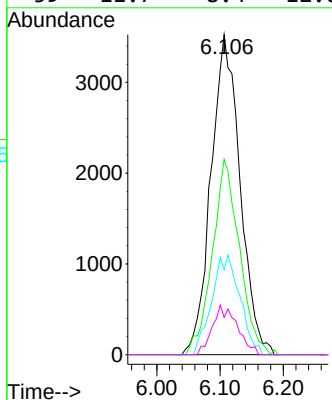
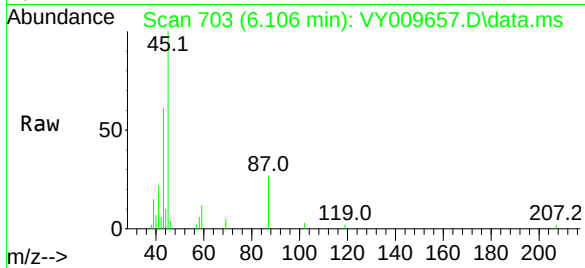




#22  
Diisopropyl ether  
Concen: 2.434 ug/l  
RT: 6.106 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

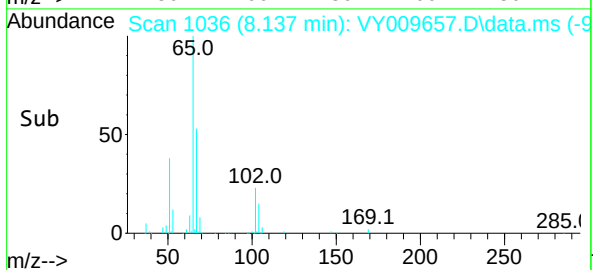
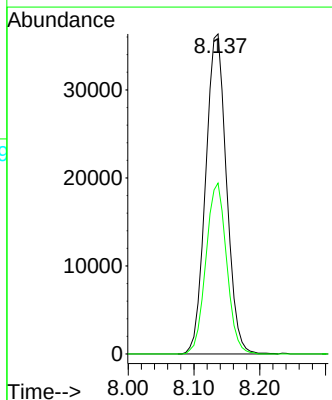
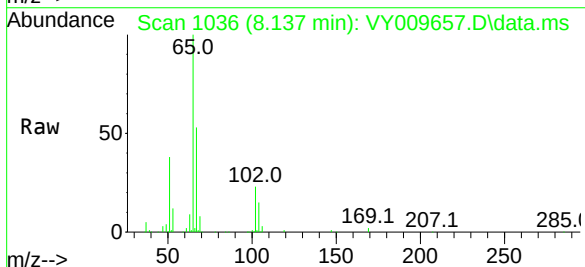
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DL-2(14.5-15)

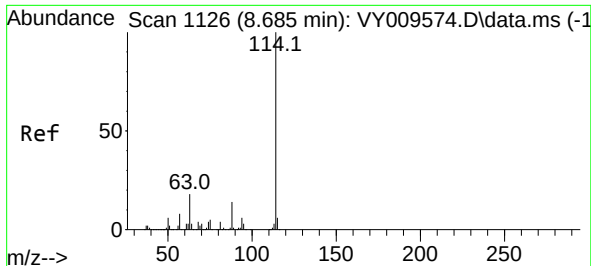
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 11239 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 61.0  | 49.3  | 73.9  |
| 87       | 26.6  | 19.2  | 28.8  |
| 59       | 11.7  | 8.4   | 12.6  |



#33  
1,2-Dichloroethane-d4  
Concen: 55.831 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 80270 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.8  | 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: VY009657.D

Acq: 22 Jul 2022 14:13

Instrument :

MSVOA\_Y

ClientSampleId :

DL-2(14.5-15)

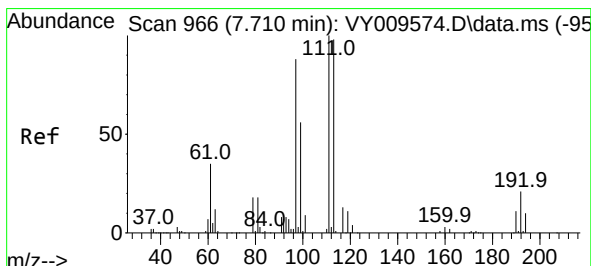
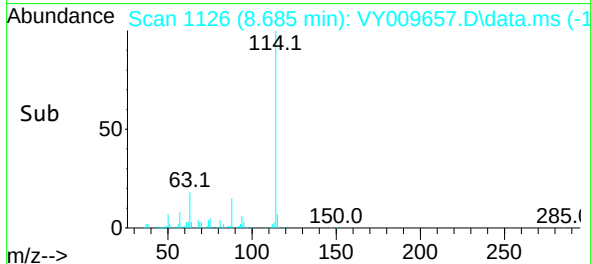
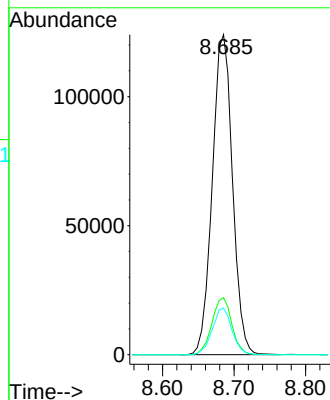
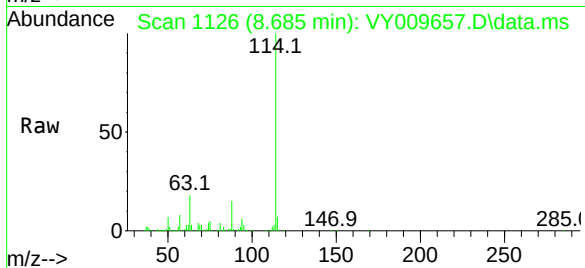
Tgt Ion:114 Resp: 243078

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.822 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009657.D

Acq: 22 Jul 2022 14:13

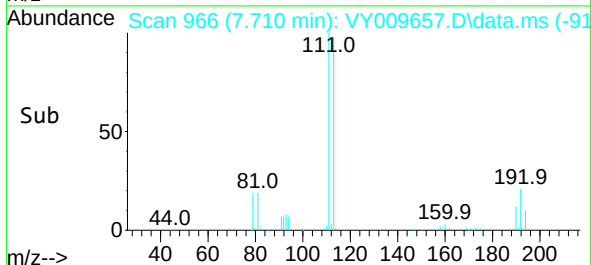
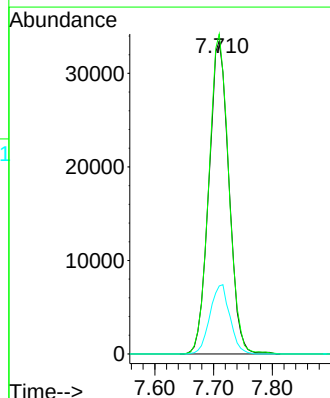
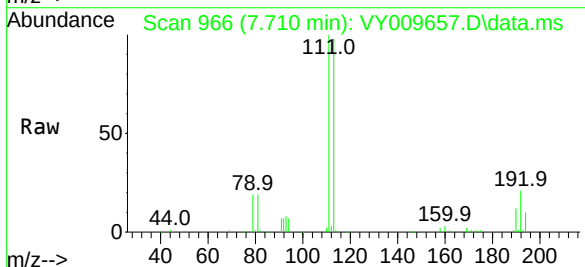
Tgt Ion:113 Resp: 79359

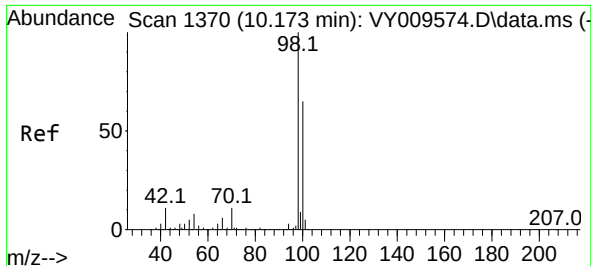
Ion Ratio Lower Upper

113 100

111 101.4 82.6 124.0

192 22.0 17.6 26.4

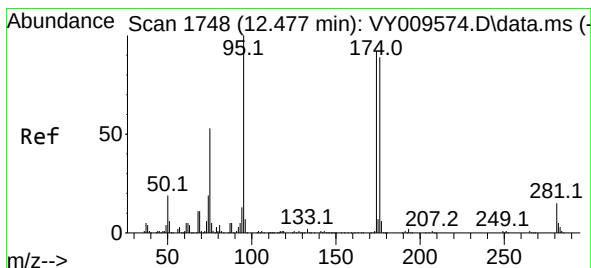
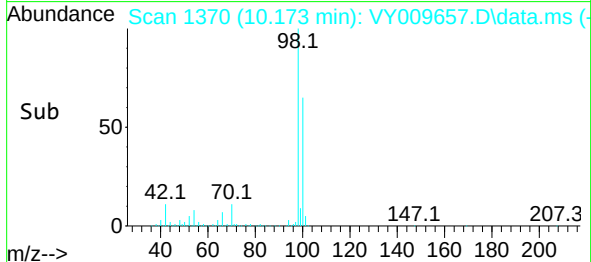
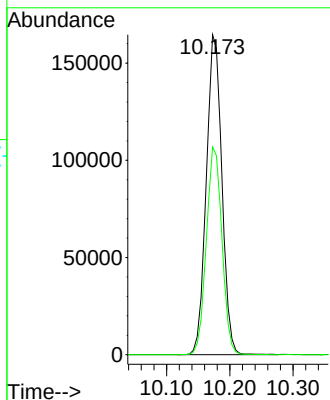
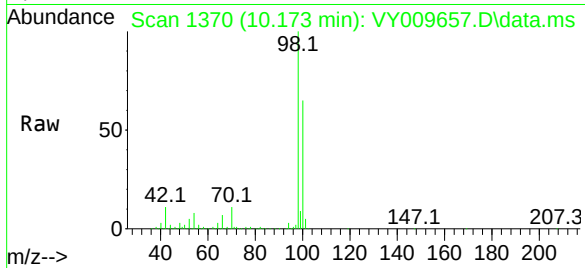




#50  
Toluene-d8  
Concen: 47.924 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

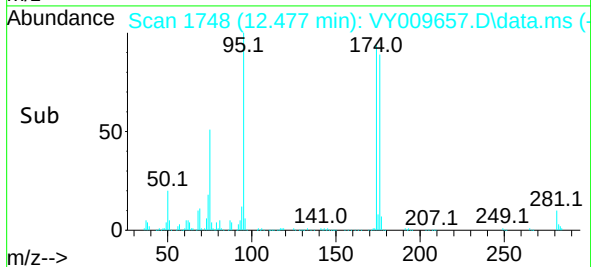
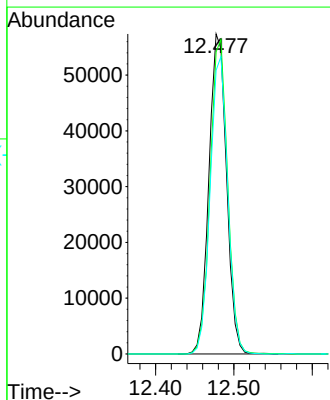
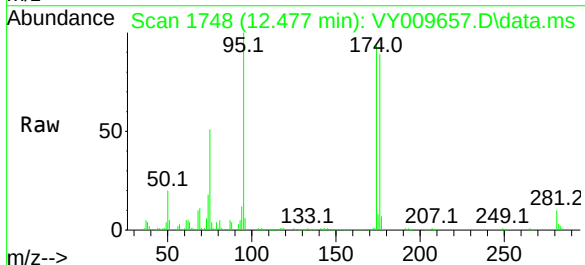
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DL-2(14.5-15)

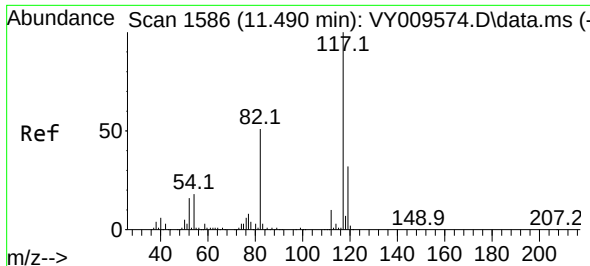
Tgt Ion: 98 Resp: 282132  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.871 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

Tgt Ion: 95 Resp: 89410  
Ion Ratio Lower Upper  
95 100  
174 98.1 0.0 177.0  
176 92.8 0.0 175.8

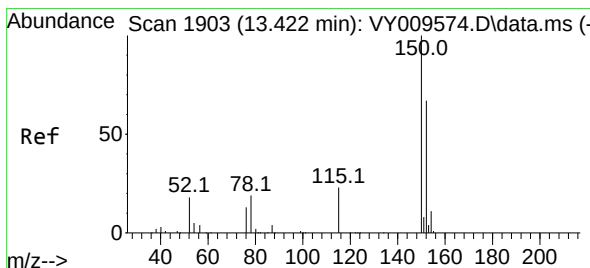
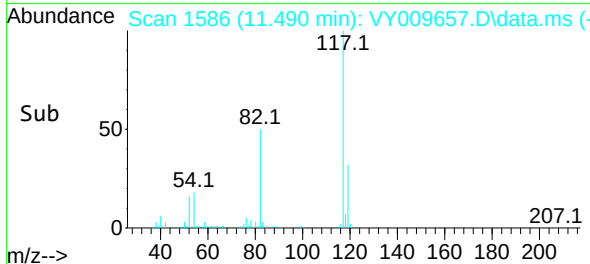
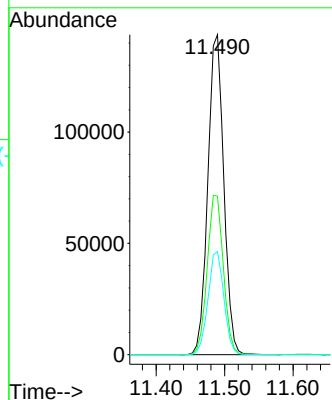
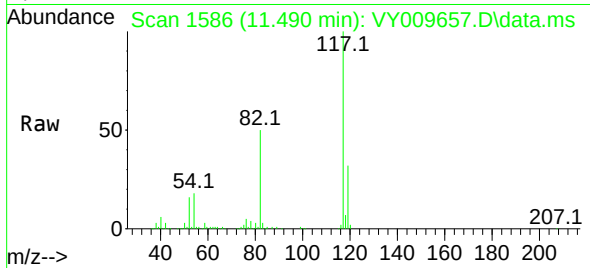




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009657.D  
Acq: 22 Jul 2022 14:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DL-2(14.5-15)

Tgt Ion:117 Resp: 232428  
Ion Ratio Lower Upper  
117 100  
82 49.5 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: VY009657.D  
Acq: 22 Jul 2022 14:13

Tgt Ion:152 Resp: 109640  
Ion Ratio Lower Upper  
152 100  
115 54.2 28.2 84.7  
150 157.0 0.0 347.6

