

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102821\  
 Data File : VY006516.D  
 Acq On : 28 Oct 2021 15:23  
 Operator : SY/MD  
 Sample : M4375-07  
 Misc : 5.01G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-12(1.0-1.5)

Quant Time: Oct 29 07:04:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 23 06:59:04 2021  
 Response via : Initial Calibration

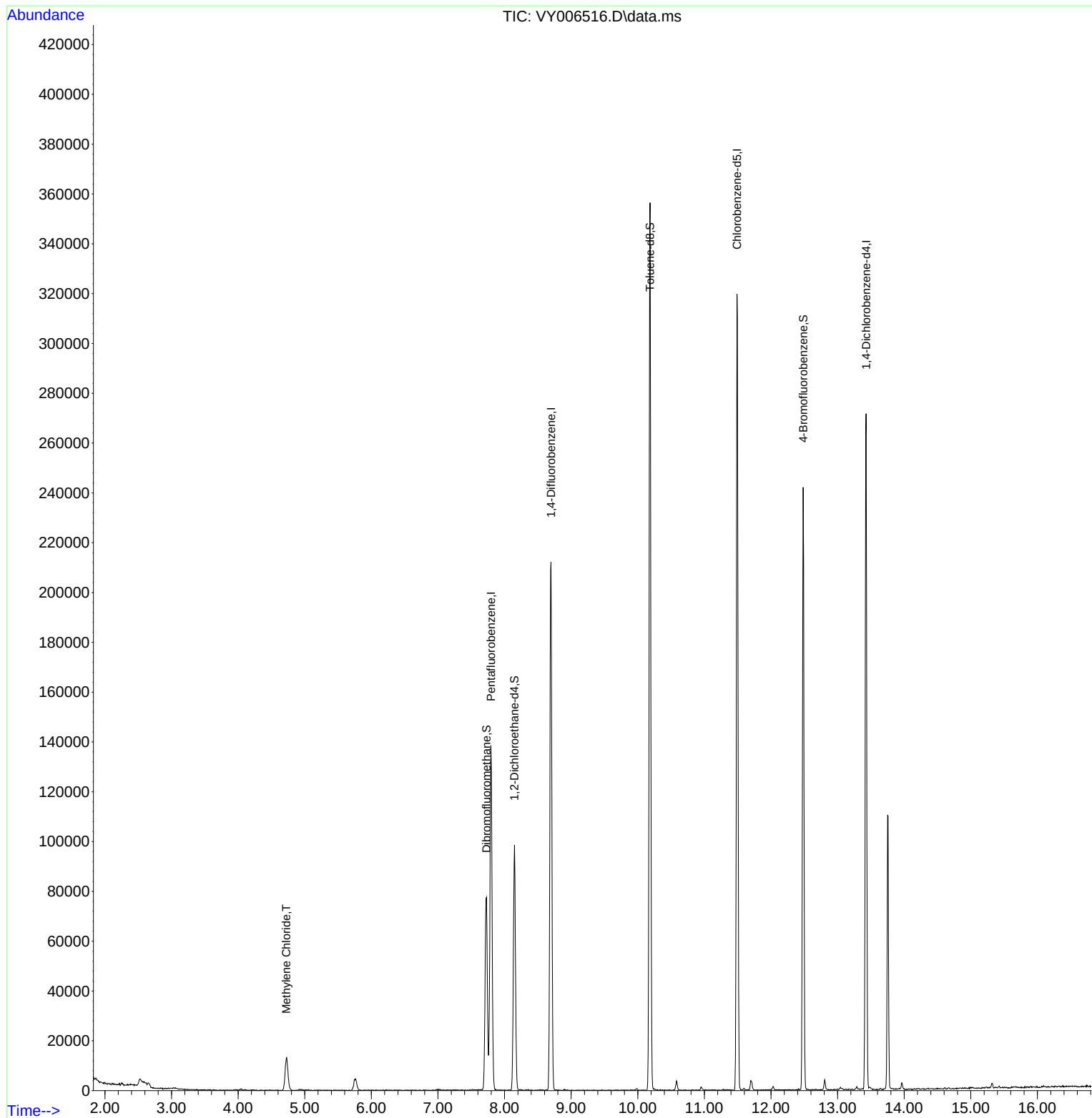
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 104200   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 174563   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 160784   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 66508    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 79516    | 62.013   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 124.020% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 53002    | 54.475   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 108.940% |
| 50) Toluene-d8              | 10.185 | 98    | 223539   | 54.197   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 108.400% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 67029    | 48.244   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 96.480%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 20) Methylene Chloride      | 4.723  | 84    | 8909     | 4.073    | ug/l  | 97       |
| -----                       |        |       |          |          |       |          |

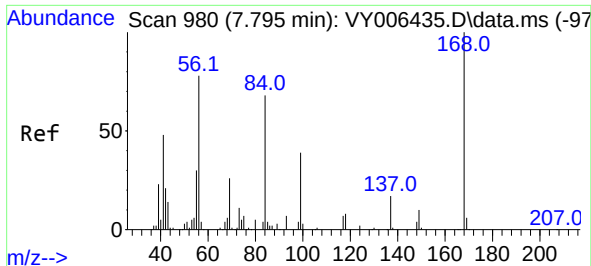
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-12(1.0-1.5)

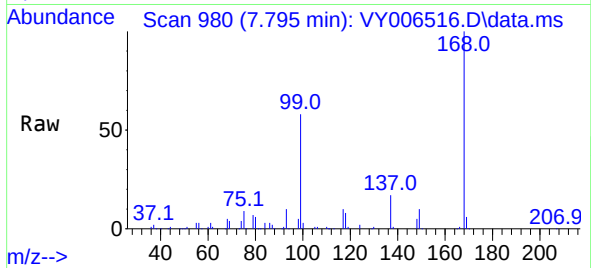
Quant Time: Oct 29 07:04:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102221S.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 23 06:59:04 2021  
Response via : Initial Calibration



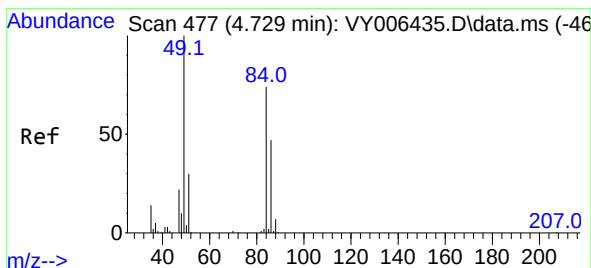
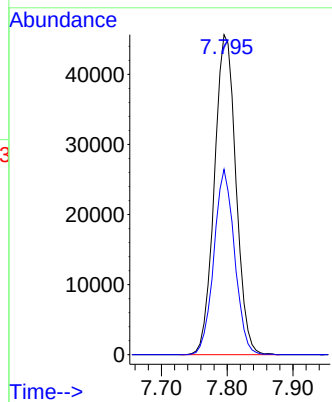
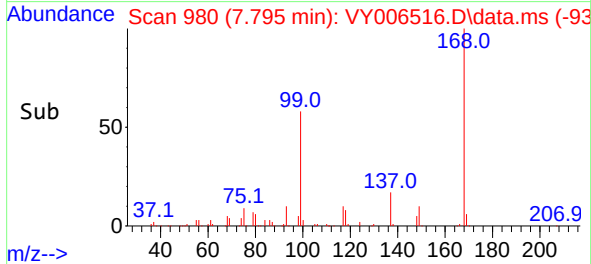


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

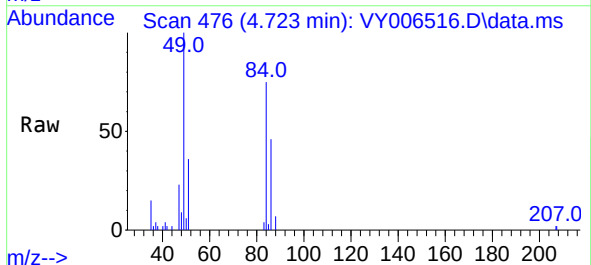
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(1.0-1.5)



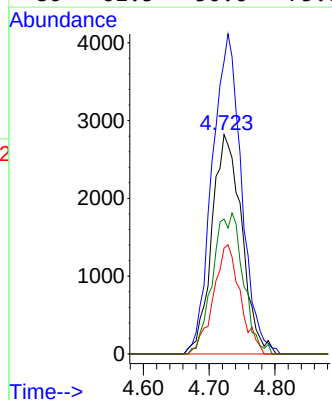
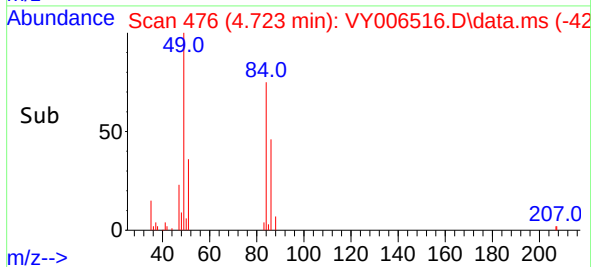
Tgt Ion:168 Resp: 104200  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.8 67.2

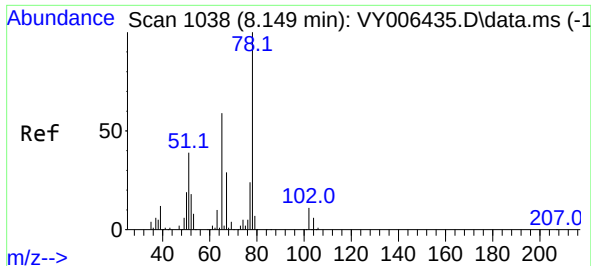


#20  
Methylene Chloride  
Concen: 4.073 ug/l  
RT: 4.723 min Scan# 476  
Delta R.T. -0.006 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23



Tgt Ion: 84 Resp: 8909  
Ion Ratio Lower Upper  
84 100  
49 133.3 107.8 161.8  
51 48.3 32.8 49.2  
86 61.5 50.6 75.8

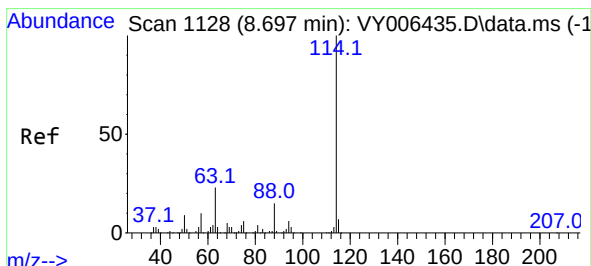
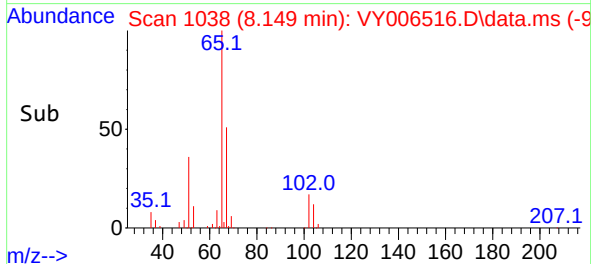
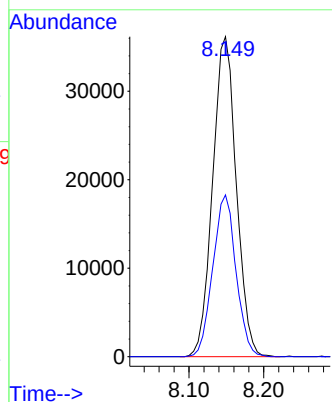
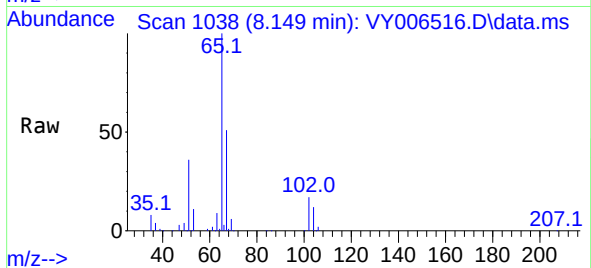




#33  
1,2-Dichloroethane-d4  
Concen: 62.013 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

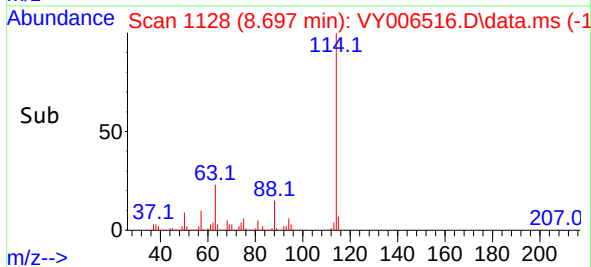
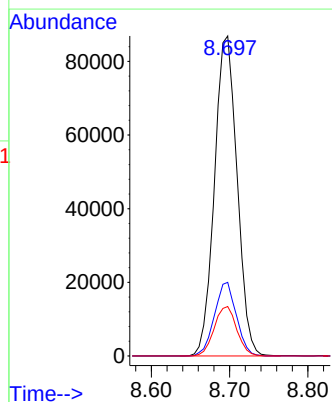
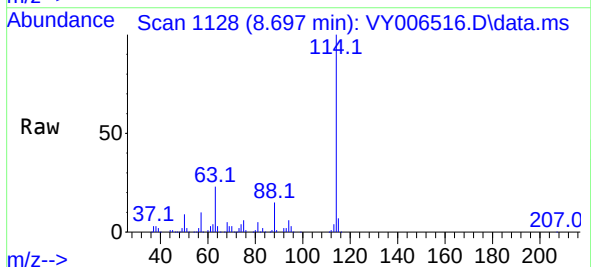
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(1.0-1.5)

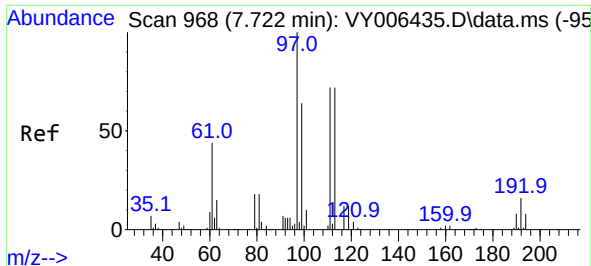
Tgt Ion: 65 Resp: 79516  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 98.2



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

Tgt Ion:114 Resp: 174563  
Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 45.0  
88 15.5 0.0 30.6

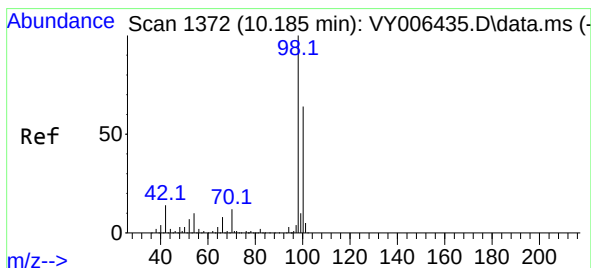
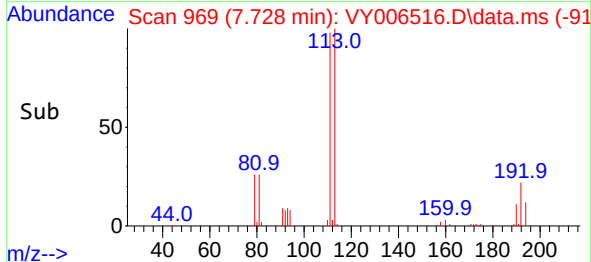
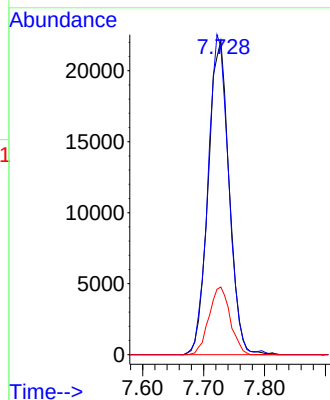
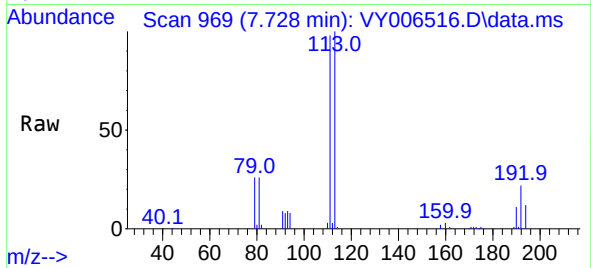




#35  
Dibromofluoromethane  
Concen: 54.475 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

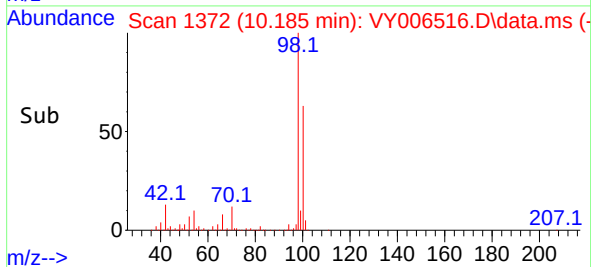
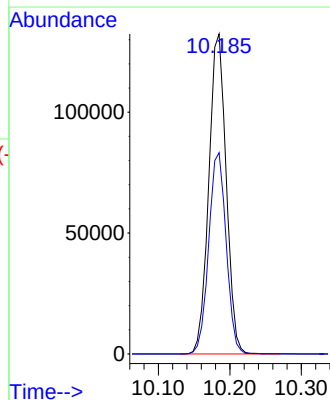
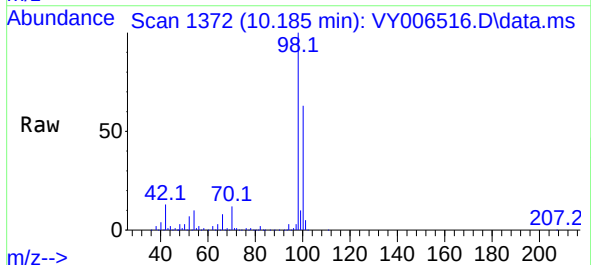
Instrument :  
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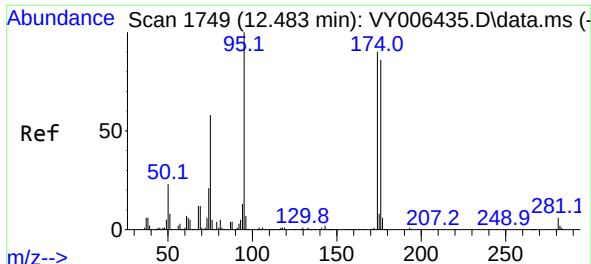
Tgt Ion:113 Resp: 53002  
Ion Ratio Lower Upper  
113 100  
111 100.2 82.3 123.5  
192 21.7 17.4 26.2



#50  
Toluene-d8  
Concen: 54.197 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

Tgt Ion: 98 Resp: 223539  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.9 76.3



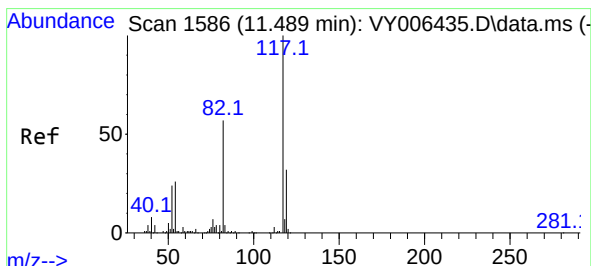
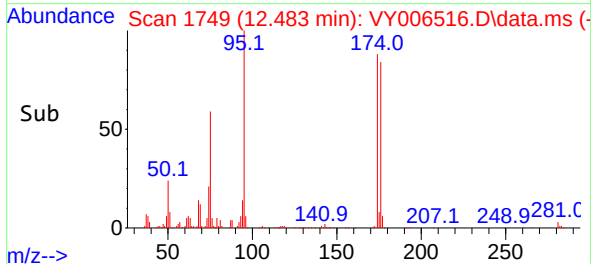
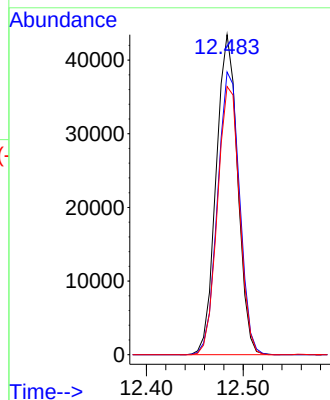
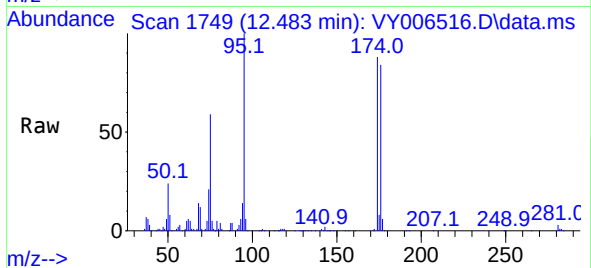


#62  
4-Bromofluorobenzene  
Concen: 48.244 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-12(1.0-1.5)

Tgt Ion: 95 Resp: 67029

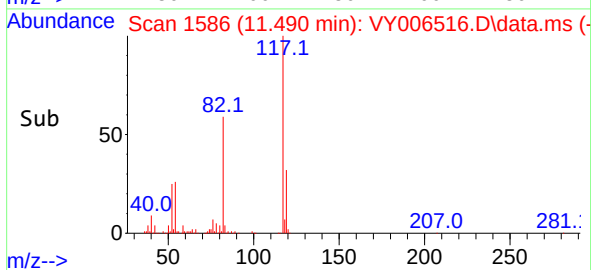
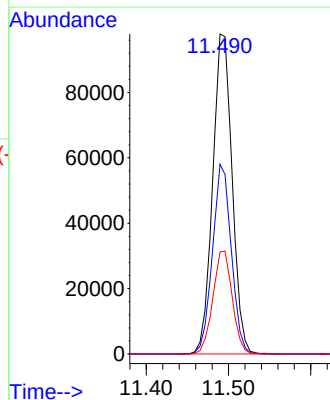
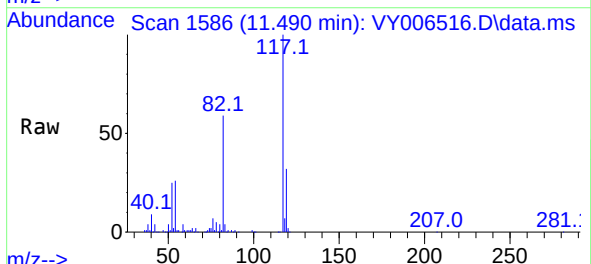
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 90.6  | 0.0   | 177.0 |
| 176 | 85.8  | 0.0   | 169.4 |

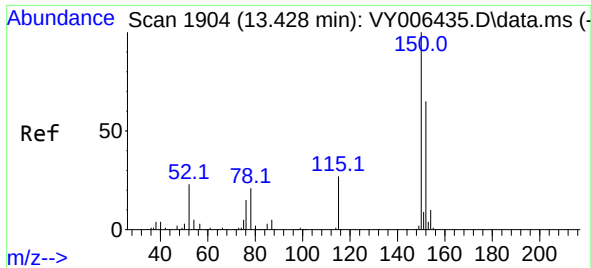


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY006516.D  
Acq: 28 Oct 2021 15:23

Tgt Ion: 117 Resp: 160784

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 59.2  | 45.7  | 68.5  |
| 119 | 31.9  | 25.5  | 38.3  |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY006516.D  
 Acq: 28 Oct 2021 15:23

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 66508  
 Ion Ratio Lower Upper  
 152 100  
 115 56.0 28.5 85.5  
 150 158.5 0.0 348.2

