

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091621\  
 Data File : VY006056.D  
 Acq On : 16 Sep 2021 18:24  
 Operator : SY/MD  
 Sample : M3750-05  
 Misc : 6.49G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NAPL-AREA-03-(10-12)-END-POINT

Quant Time: Sep 17 02:46:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

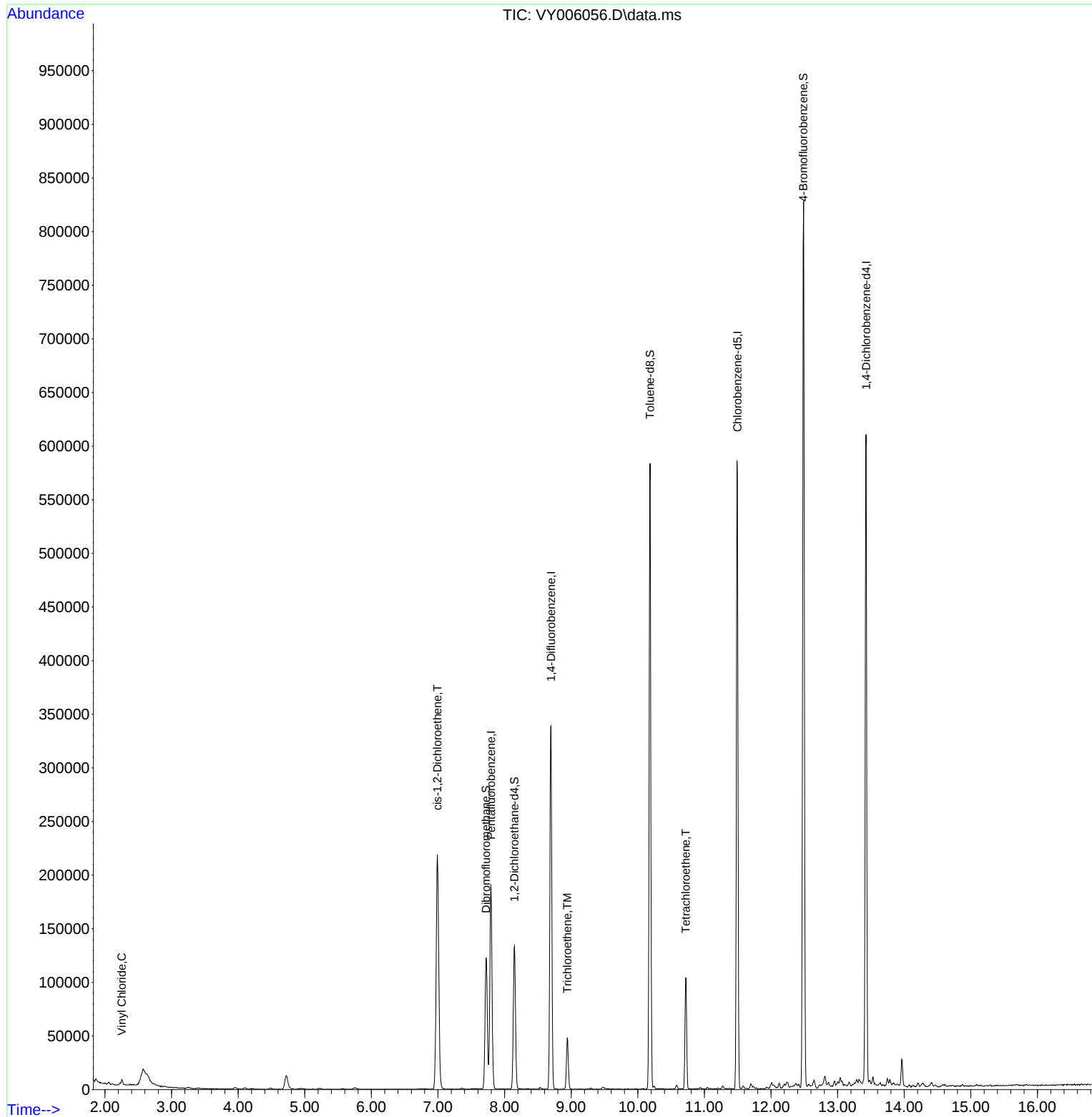
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795     | 168   | 145878   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114   | 276567   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117   | 297377   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152   | 151115   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65    | 111362   | 54.957   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 109.920% |          |
| 35) Dibromofluoromethane    | 7.722     | 113   | 84462    | 49.169   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 98.340%  |          |
| 50) Toluene-d8              | 10.185    | 98    | 362561   | 49.521   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 49 - 140 | Recovery | = 99.040%  |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95    | 145028   | 58.344   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 25 - 144 | Recovery | = 116.680% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 4) Vinyl Chloride           | 2.253     | 62    | 4395     | 2.031    | ug/l       | 94       |
| 27) cis-1,2-Dichloroethene  | 6.990     | 96    | 127767   | 70.118   | ug/l       | 89       |
| 44) Trichloroethene         | 8.941     | 130   | 15707    | 7.363    | ug/l       | 88       |
| 64) Tetrachloroethene       | 10.721    | 164   | 23080    | 9.489    | ug/l       | 97       |
| -----                       |           |       |          |          |            |          |

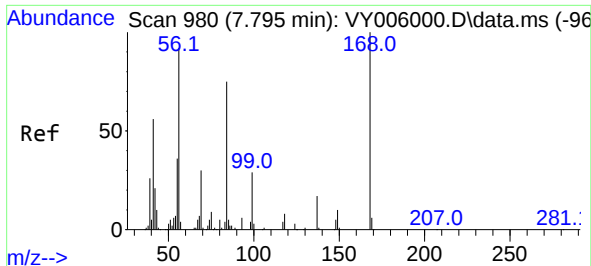
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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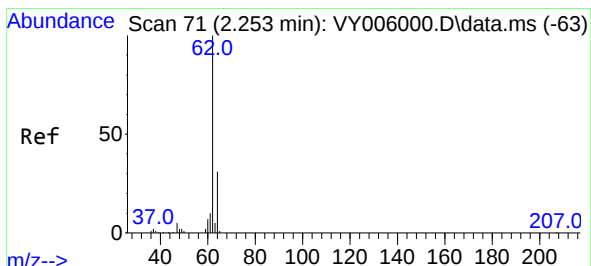
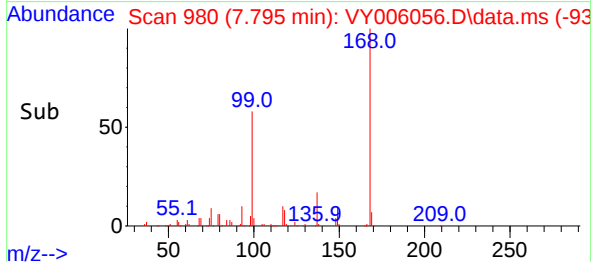
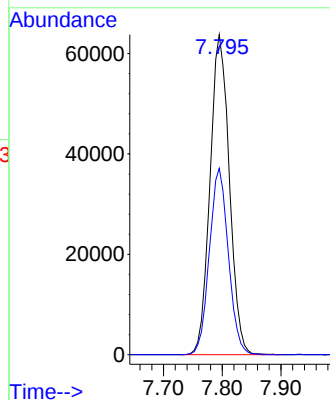
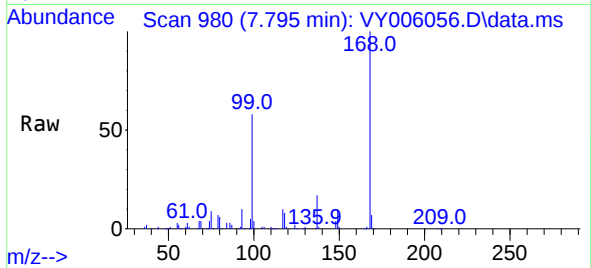




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

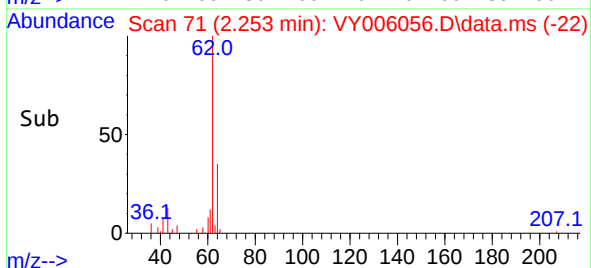
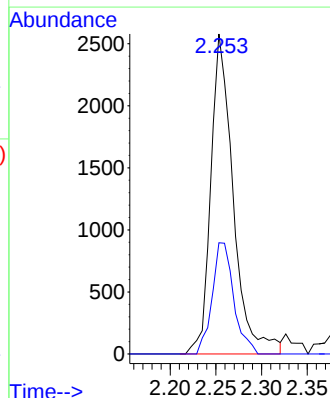
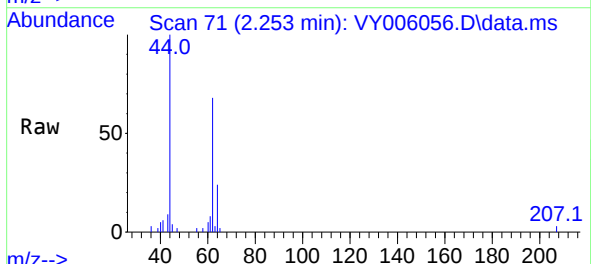
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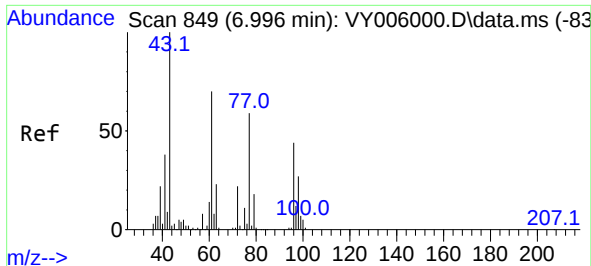
Tgt Ion:168 Resp: 145878  
Ion Ratio Lower Upper  
168 100  
99 58.3 46.9 70.3



#4  
Vinyl Chloride  
Concen: 2.031 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

Tgt Ion: 62 Resp: 4395  
Ion Ratio Lower Upper  
62 100  
64 34.7 25.0 37.6

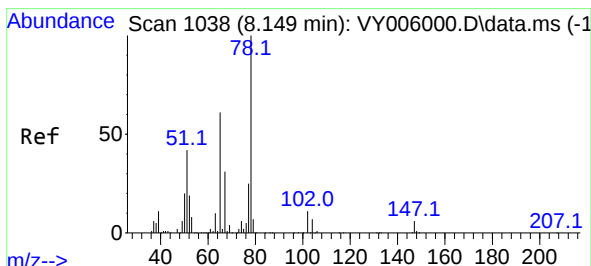
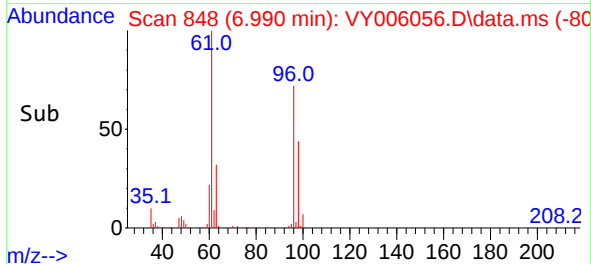
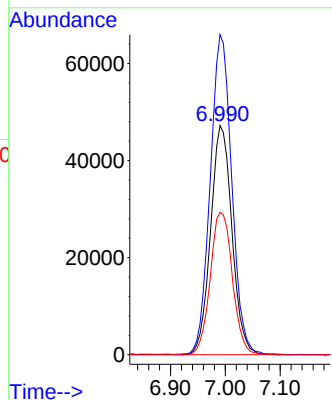
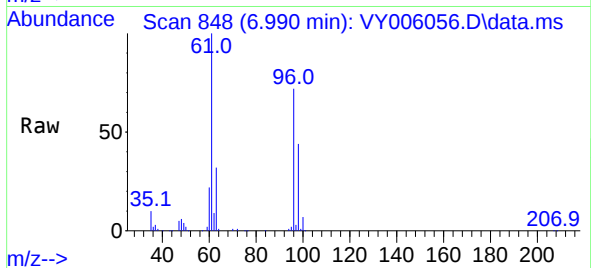




#27  
cis-1,2-Dichloroethene  
Concen: 70.118 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

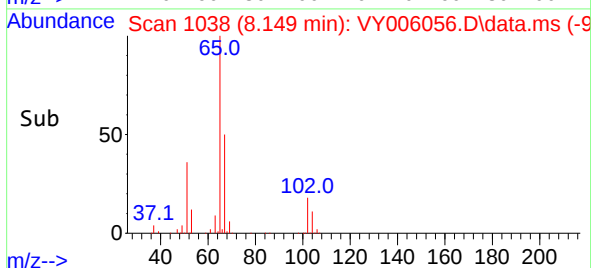
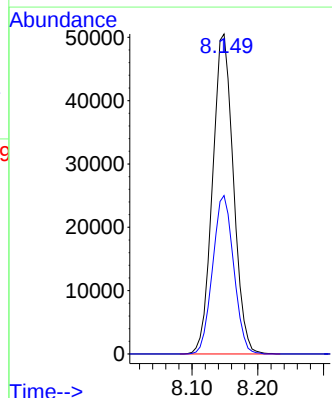
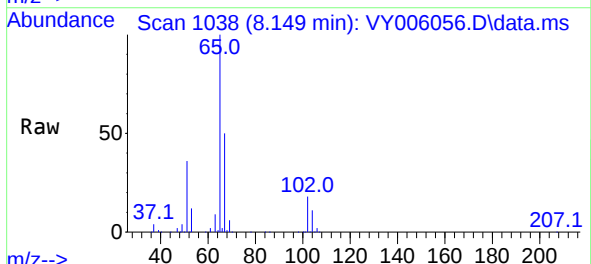
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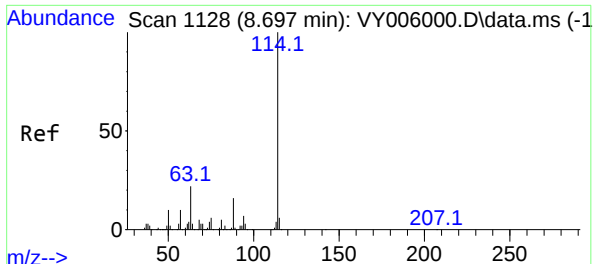
Tgt Ion: 96 Resp: 127767  
Ion Ratio Lower Upper  
96 100  
61 140.1 0.0 319.8  
98 64.4 0.0 127.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.957 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

Tgt Ion: 65 Resp: 111362  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 99.4

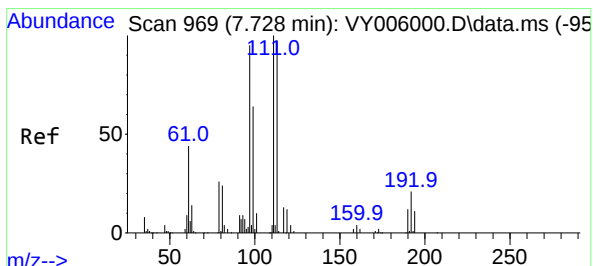
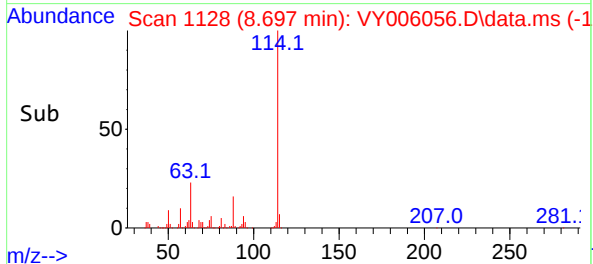
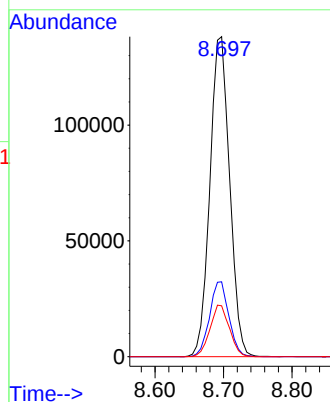
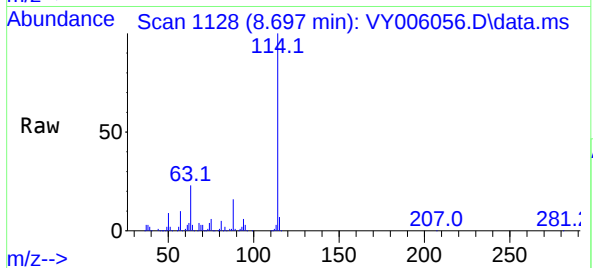




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

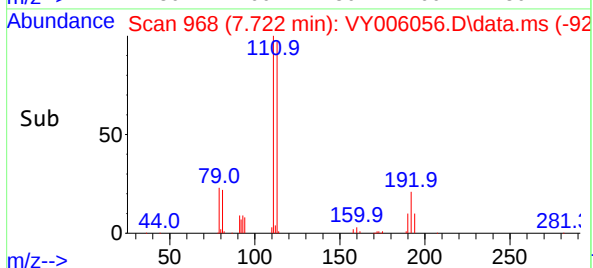
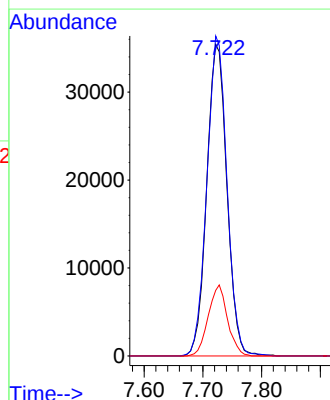
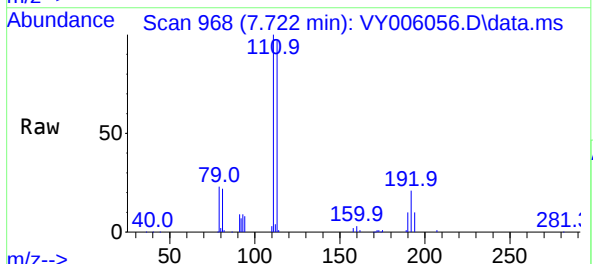
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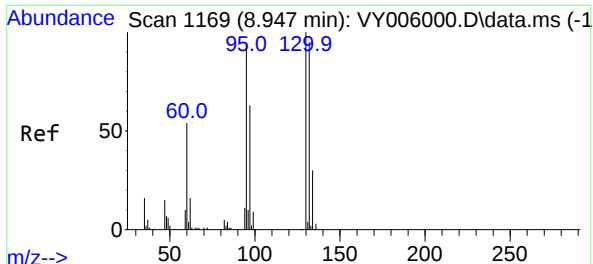
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 276567 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 23.4  | 0.0   | 43.2   |
| 88       | 15.9  | 0.0   | 31.8   |



#35  
Dibromofluoromethane  
Concen: 49.169 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 84462 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.3 | 82.6  | 124.0 |
| 192      | 21.8  | 17.6  | 26.4  |

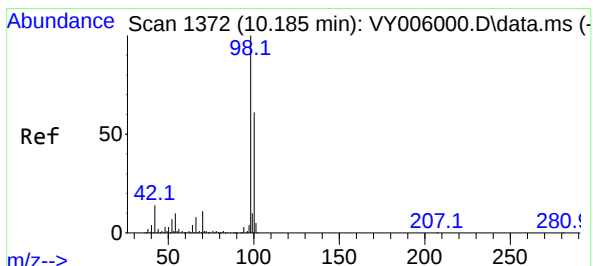
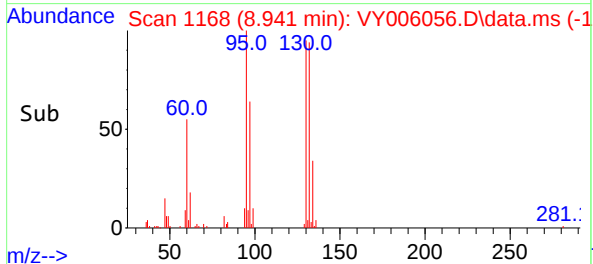
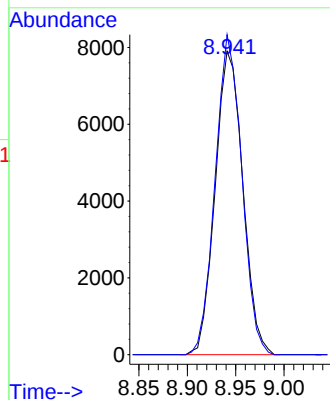
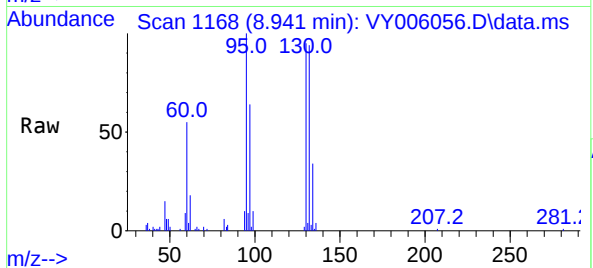




#44  
Trichloroethene  
Concen: 7.363 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

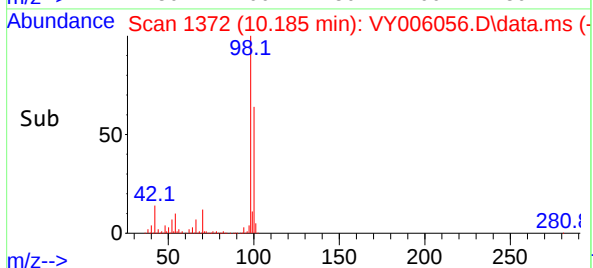
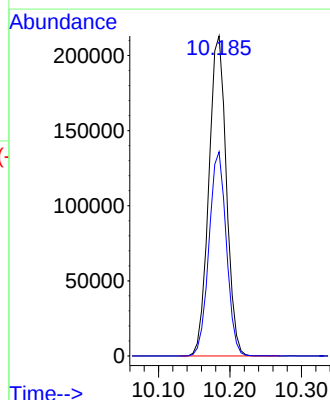
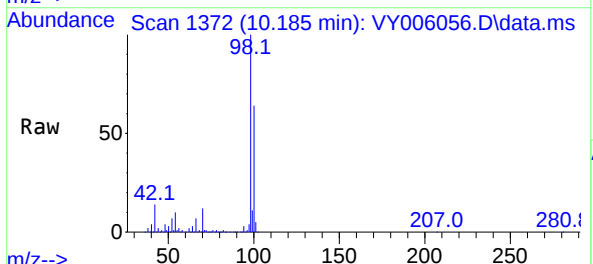
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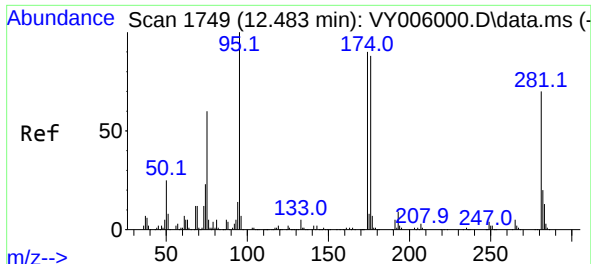
Tgt Ion:130 Resp: 15707  
Ion Ratio Lower Upper  
130 100  
95 105.5 0.0 188.2



#50  
Toluene-d8  
Concen: 49.521 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

Tgt Ion: 98 Resp: 362561  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.2 75.2

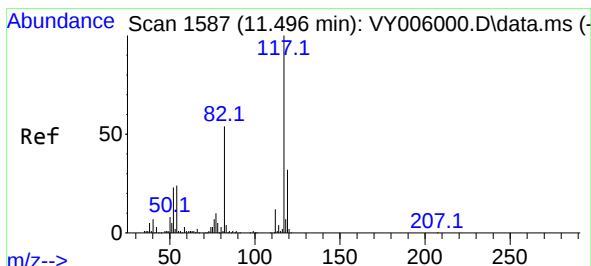
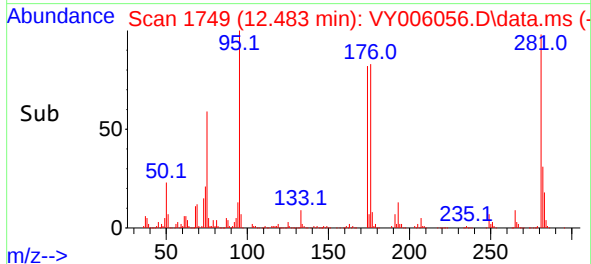
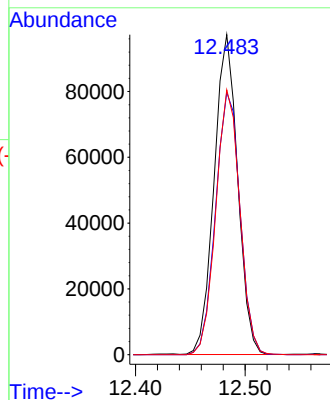
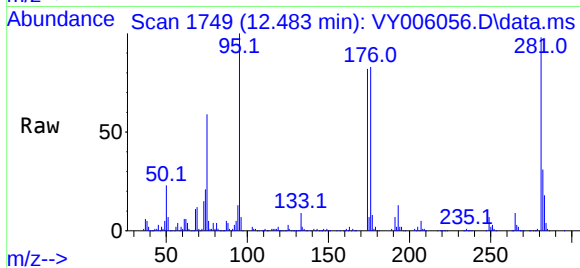




#62  
4-Bromofluorobenzene  
Concen: 58.344 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

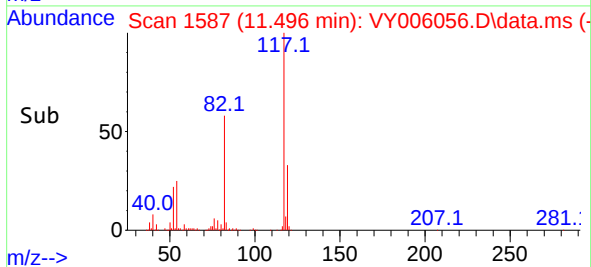
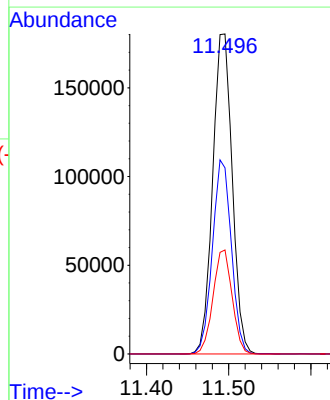
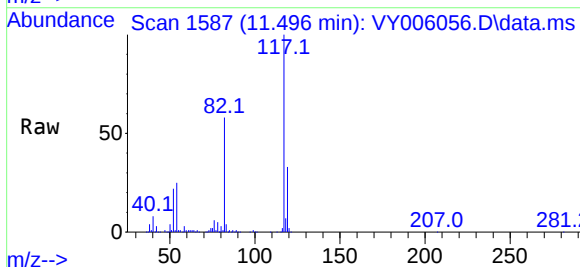
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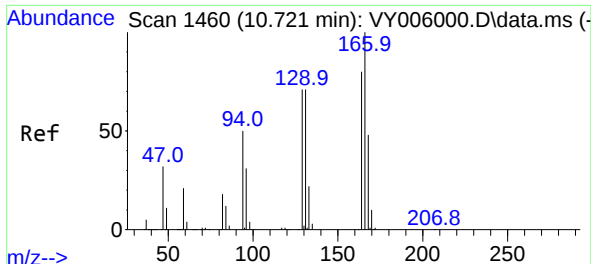
Tgt Ion: 95 Resp: 145028  
Ion Ratio Lower Upper  
95 100  
174 85.2 0.0 177.0  
176 84.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

Tgt Ion: 117 Resp: 297377  
Ion Ratio Lower Upper  
117 100  
82 58.1 43.0 64.4  
119 32.5 25.4 38.0



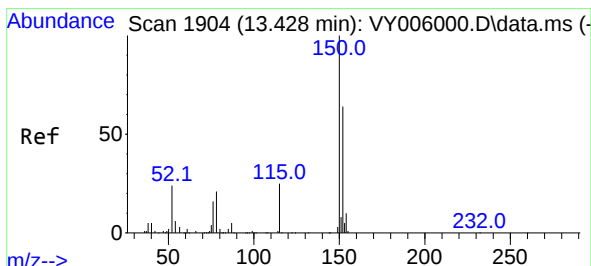
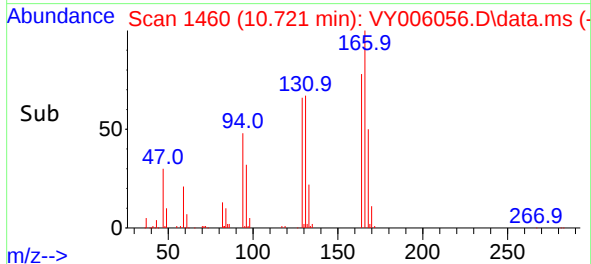
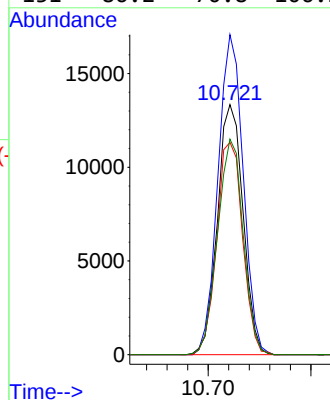
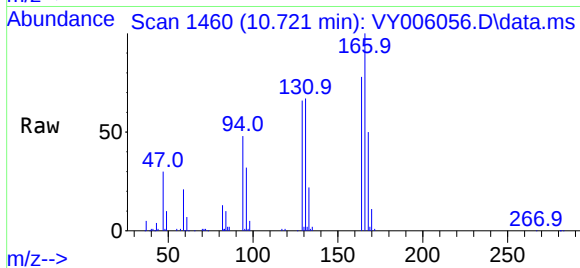


#64  
Tetrachloroethene  
Concen: 9.489 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
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Instrument :  
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Tgt Ion:164 Resp: 23080

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 128.0 | 100.4 | 150.6 |
| 129 | 84.9  | 71.4  | 107.0 |
| 131 | 86.2  | 70.8  | 106.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY006056.D  
Acq: 16 Sep 2021 18:24

Tgt Ion:152 Resp: 151115

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.9  | 28.2  | 84.7  |
| 150 | 157.1 | 0.0   | 347.6 |

