

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091021\  
 Data File : VY005995.D  
 Acq On : 10 Sep 2021 19:59  
 Operator : SY/MD  
 Sample : M3687-20  
 Misc : 6.52G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A016095

Quant Time: Sep 11 01:24:29 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y083121S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 01 05:32:43 2021  
 Response via : Initial Calibration

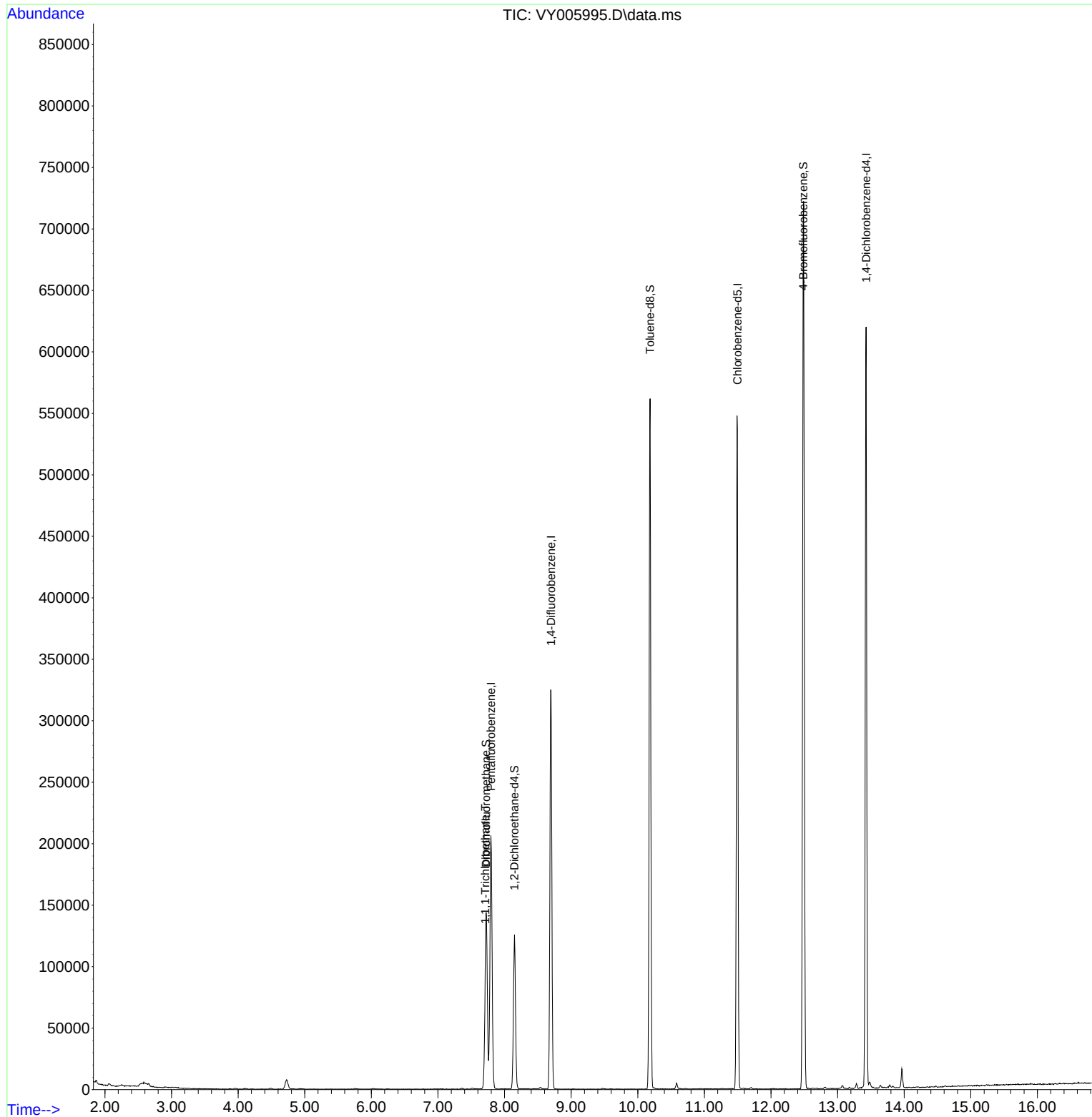
| Compound                    | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-----------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                       |           |                |          |            |       |          |
| Internal Standards          |           |                |          |            |       |          |
| 1) Pentafluorobenzene       | 7.795     | 168            | 178032   | 50.000     | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697     | 114            | 299050   | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496    | 117            | 319554   | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428    | 152            | 168919   | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149     | 65             | 96335    | 53.696     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | = 107.400% |       |          |
| 35) Dibromofluoromethane    | 7.722     | 113            | 92822    | 55.269     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | = 110.540% |       |          |
| 50) Toluene-d8              | 10.185    | 98             | 377687   | 53.585     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 49 - 140 | Recovery | = 107.160% |       |          |
| 62) 4-Bromofluorobenzene    | 12.483    | 95             | 142256   | 60.107     | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range 25 - 144 | Recovery | = 120.220% |       |          |
| Target Compounds            |           |                |          |            |       | Qvalue   |
| 32) 1,1,1-Trichloroethane   | 7.710     | 97             | 11049    | 3.882      | ug/l  | 98       |
| -----                       |           |                |          |            |       |          |

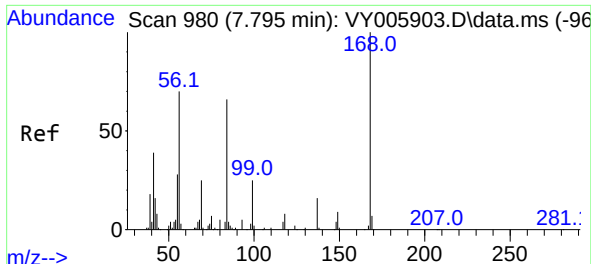
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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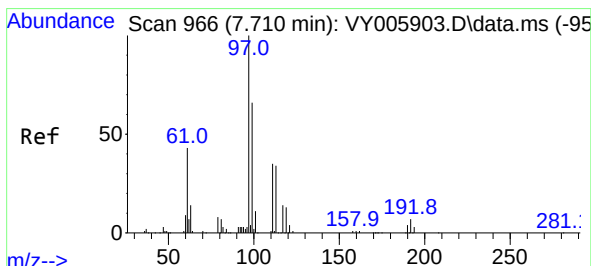
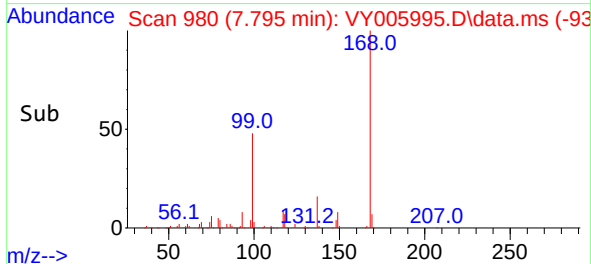
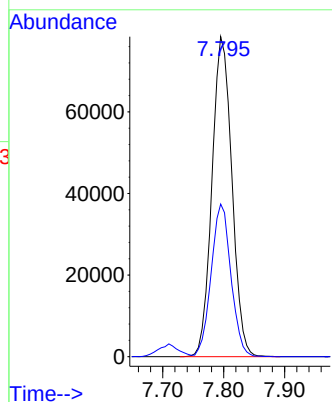
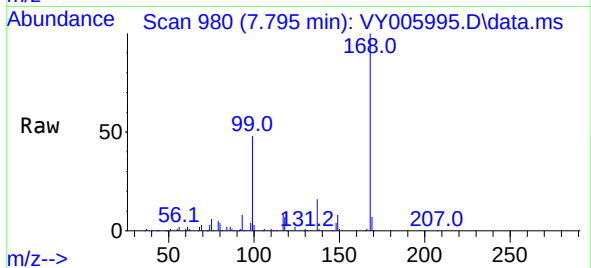




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

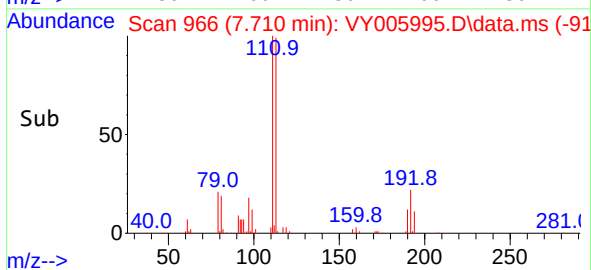
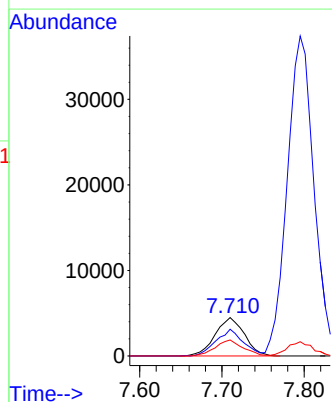
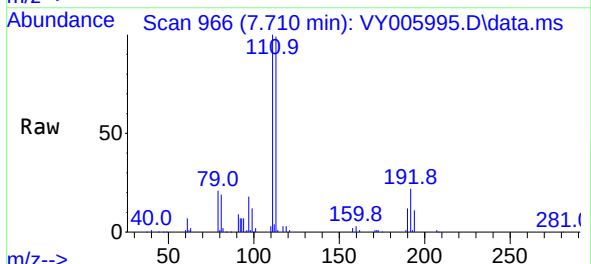
Instrument :  
MSVOA\_Y  
ClientSampleId :  
A016095

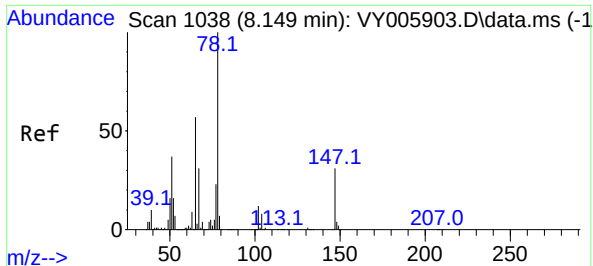
Tgt Ion:168 Resp: 178032  
Ion Ratio Lower Upper  
168 100  
99 47.7 40.6 60.8



#32  
1,1,1-Trichloroethane  
Concen: 3.882 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

Tgt Ion: 97 Resp: 11049  
Ion Ratio Lower Upper  
97 100  
99 65.1 52.1 78.1  
61 39.8 34.3 51.5

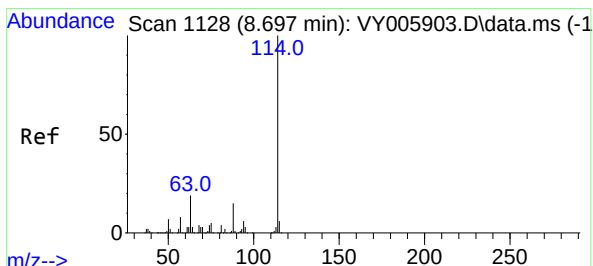
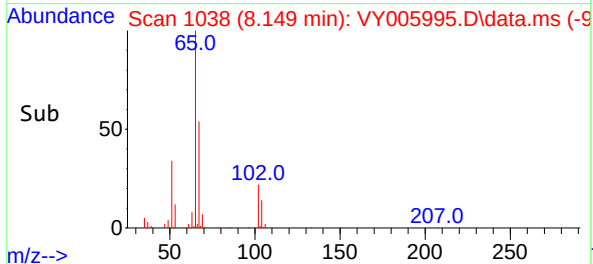
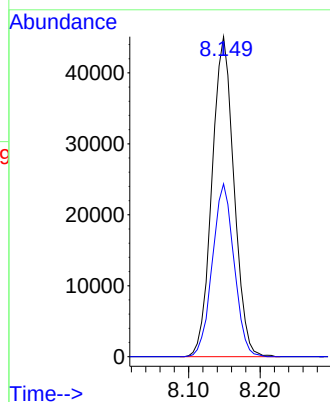
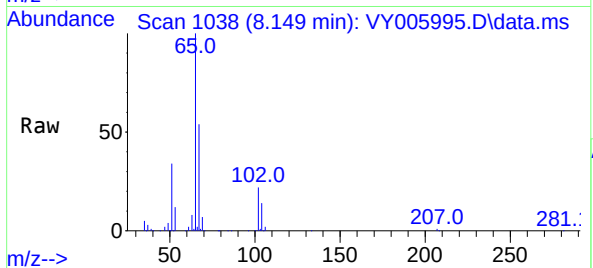




#33  
1,2-Dichloroethane-d4  
Concen: 53.696 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

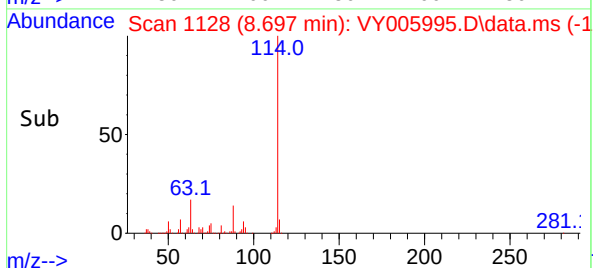
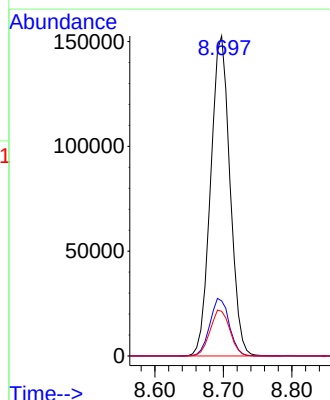
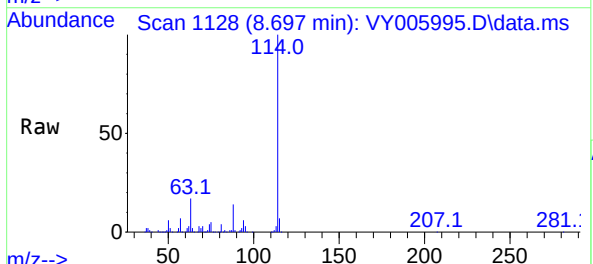
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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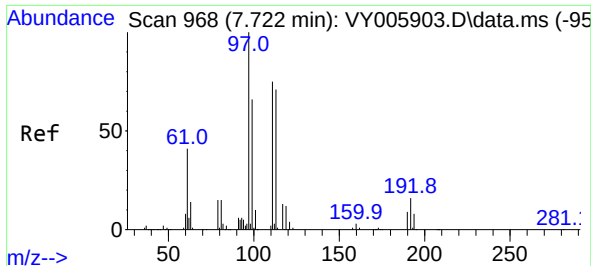
Tgt Ion: 65 Resp: 96335  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 105.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

Tgt Ion:114 Resp: 299050  
Ion Ratio Lower Upper  
114 100  
63 17.2 0.0 38.4  
88 13.9 0.0 30.0

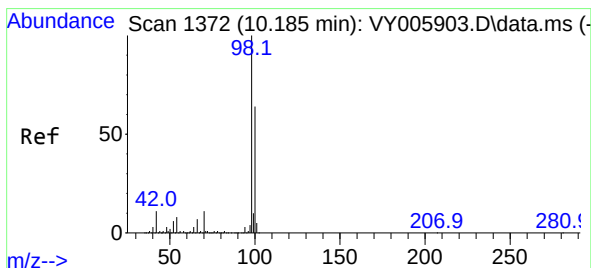
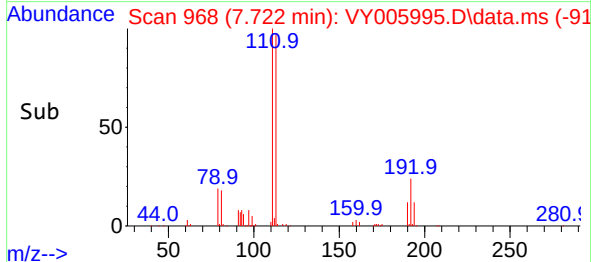
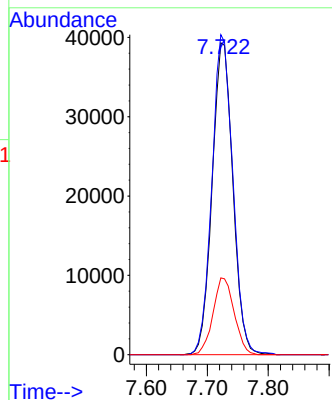
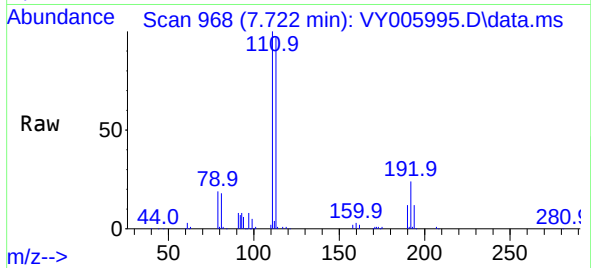




#35  
Dibromofluoromethane  
Concen: 55.269 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

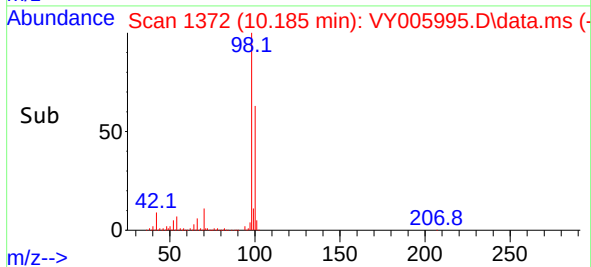
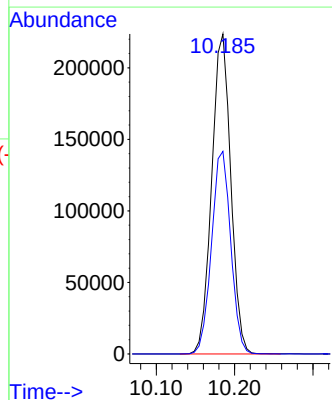
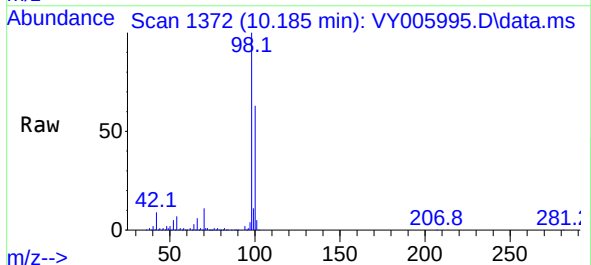
Instrument :  
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ClientSampleId :  
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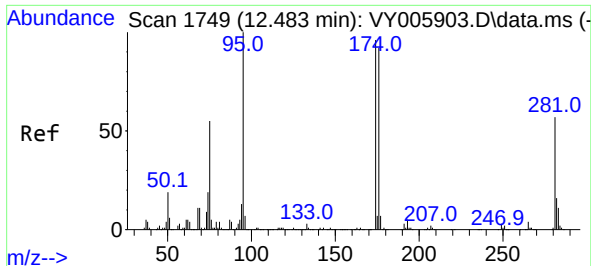
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 92822 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.6 | 81.9  | 122.9 |
| 192      | 25.1  | 19.4  | 29.0  |



#50  
Toluene-d8  
Concen: 53.585 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 377687 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.8  | 50.9  | 76.3   |

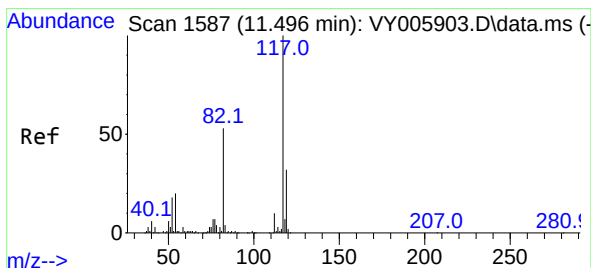
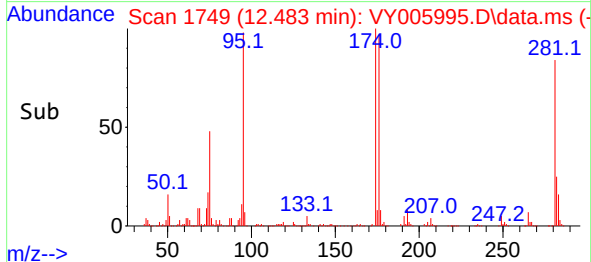
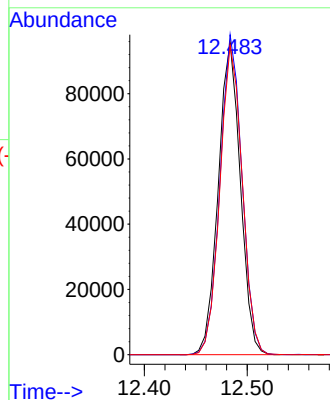
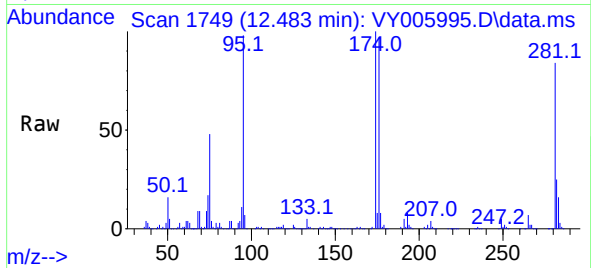




#62  
4-Bromofluorobenzene  
Concen: 60.107 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

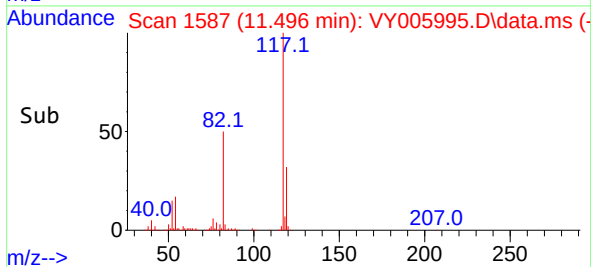
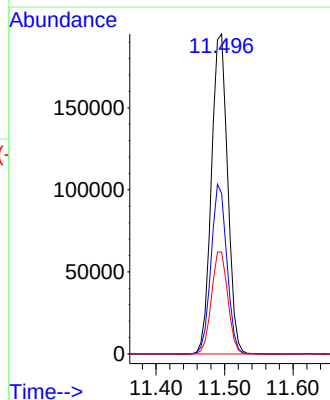
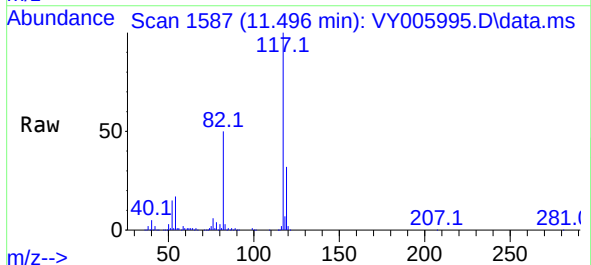
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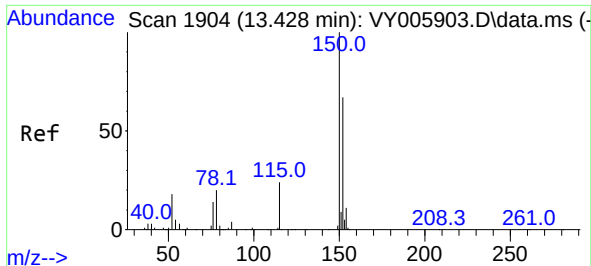
Tgt Ion: 95 Resp: 142256  
Ion Ratio Lower Upper  
95 100  
174 102.2 0.0 192.4  
176 100.1 0.0 186.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005995.D  
Acq: 10 Sep 2021 19:59

Tgt Ion: 117 Resp: 319554  
Ion Ratio Lower Upper  
117 100  
82 50.1 42.4 63.6  
119 31.9 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY005995.D  
 Acq: 10 Sep 2021 19:59

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 A016095

Tgt Ion:152 Resp: 168919  
 Ion Ratio Lower Upper  
 152 100  
 115 52.7 26.8 80.4  
 150 156.5 0.0 345.6

