

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY061721\  
 Data File : VY005171.D  
 Acq On : 17 Jun 2021 20:49  
 Operator : SY/MD  
 Sample : M2749-06RE  
 Misc : 5.98G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RF-01 3.5-4.0RE

Quant Time: Jun 18 03:06:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061521S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 16 04:40:35 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 154321   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 282891   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 285417   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 133973   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 108025   | 72.397   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 144.800%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 89516    | 73.945   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 147.880%# |
| 50) Toluene-d8              | 10.185 | 98    | 352369   | 58.467   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 116.940%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 123363   | 60.862   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 121.720%  |

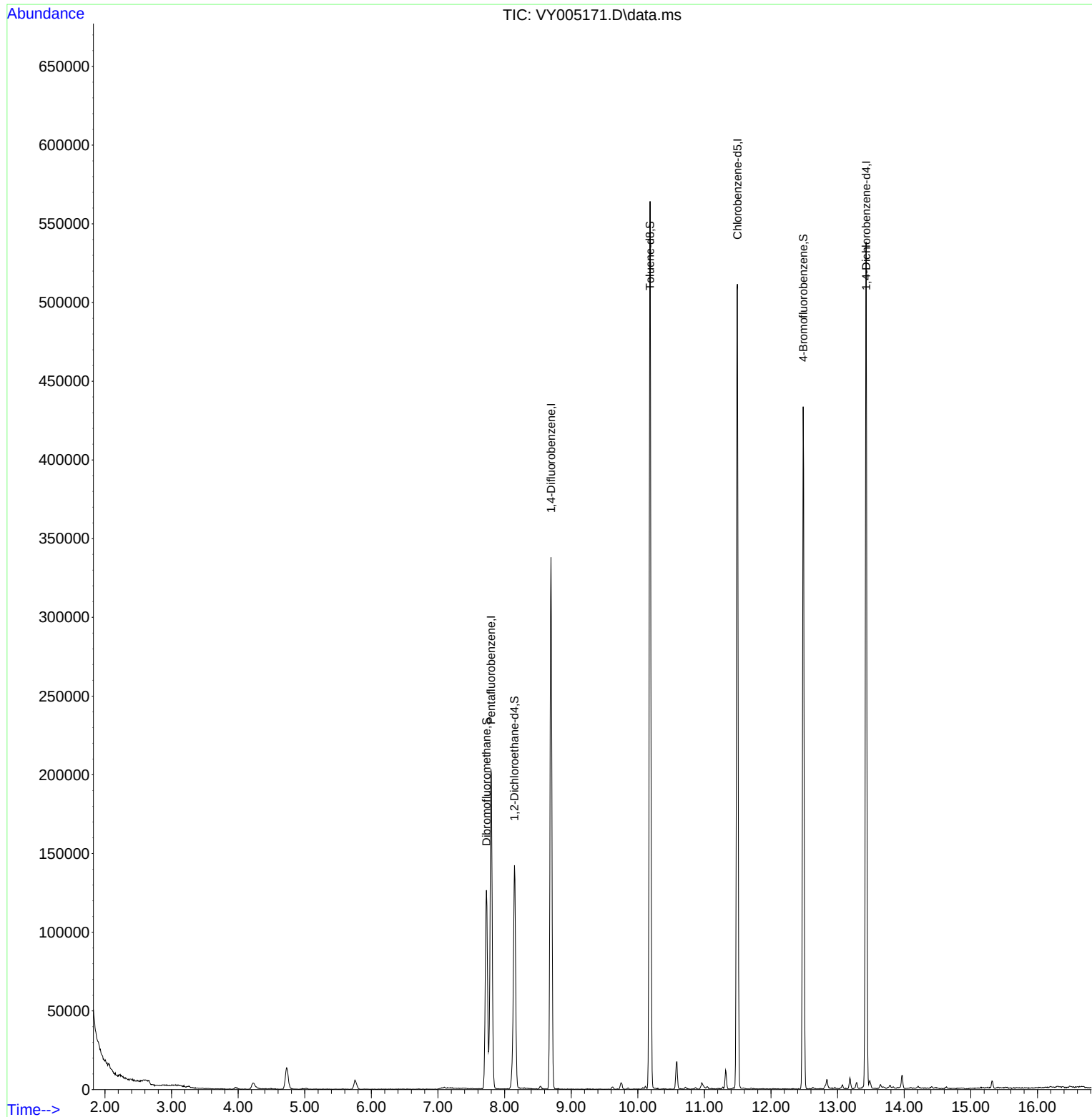
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

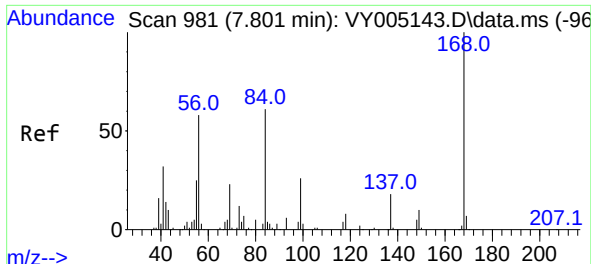
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
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RF-01 3.5-4.0RE

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061521S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 16 04:40:35 2021  
Response via : Initial Calibration

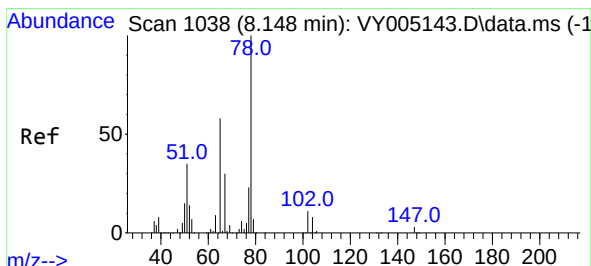
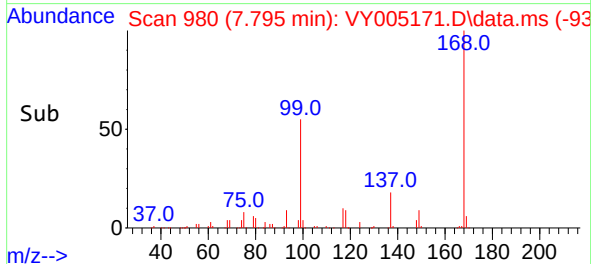
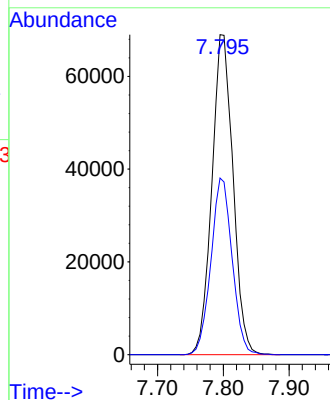
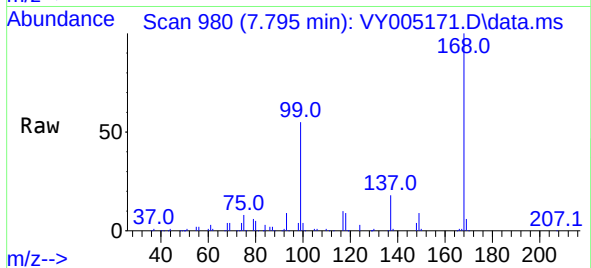




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

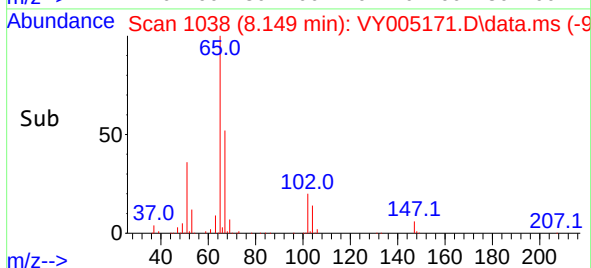
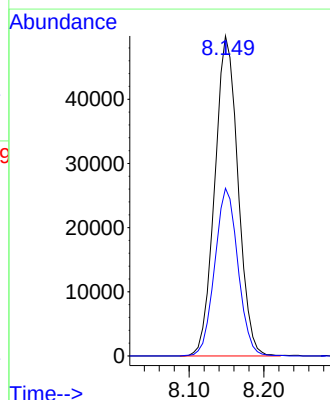
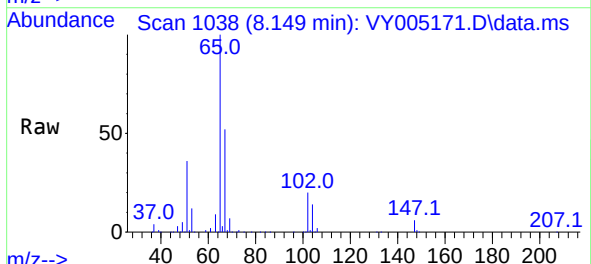
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RF-01\_3.5-4.0RE

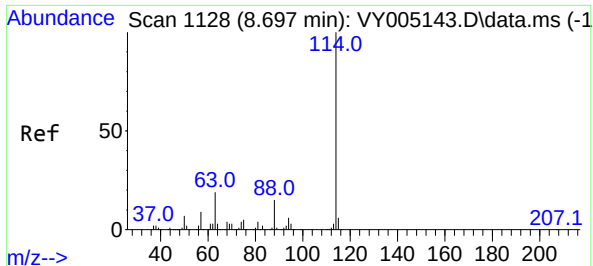
Tgt Ion:168 Resp: 154321  
Ion Ratio Lower Upper  
168 100  
99 55.2 44.5 66.7



#33  
1,2-Dichloroethane-d4  
Concen: 72.397 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.001 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

Tgt Ion: 65 Resp: 108025  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 100.2

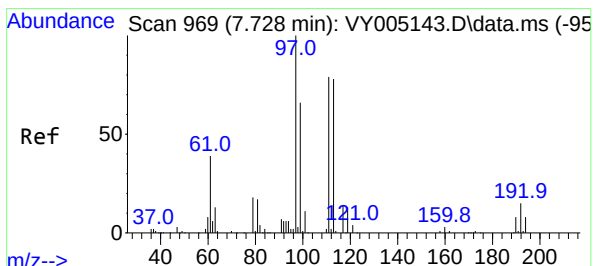
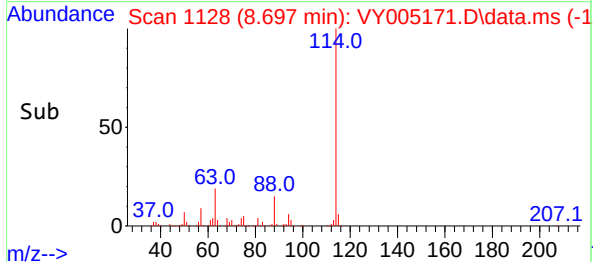
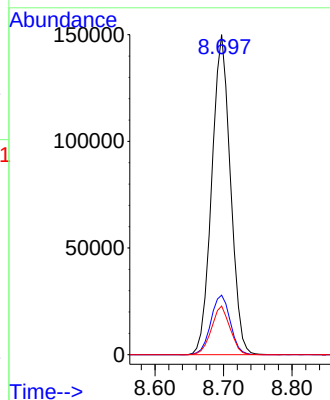
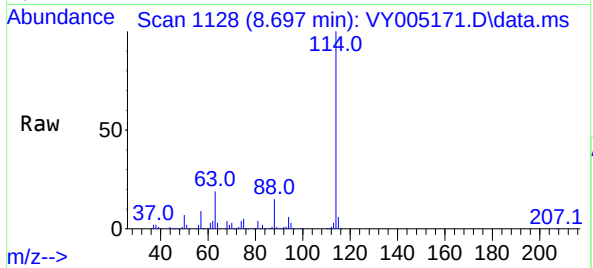




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

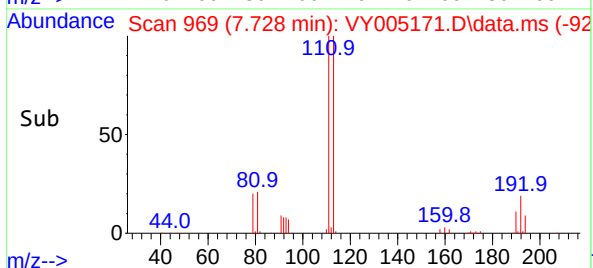
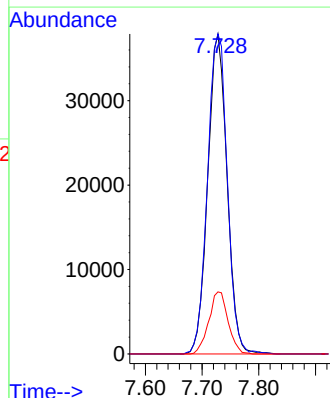
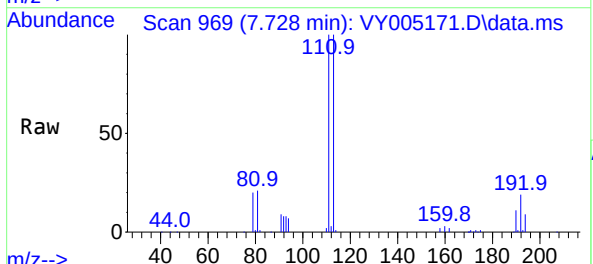
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RF-01\_3.5-4.0RE

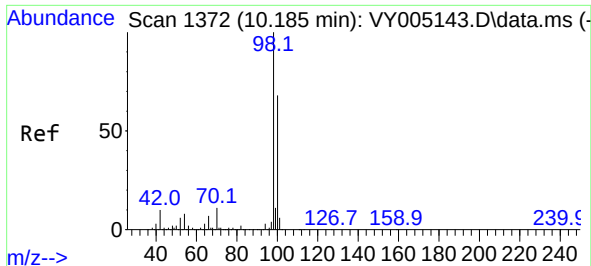
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 282891 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.6  | 0.0   | 37.6   |
| 88       | 15.2  | 0.0   | 29.6   |



#35  
Dibromofluoromethane  
Concen: 73.945 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 89516 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 82.3  | 123.5 |
| 192      | 19.4  | 16.2  | 24.2  |

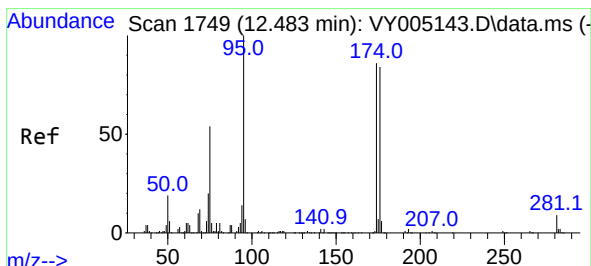
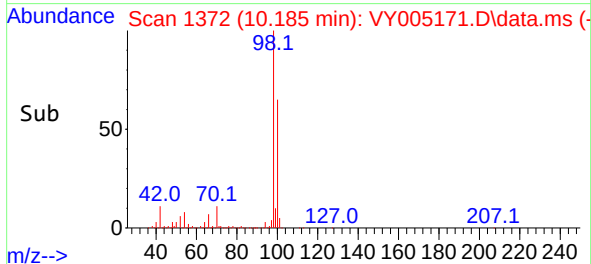
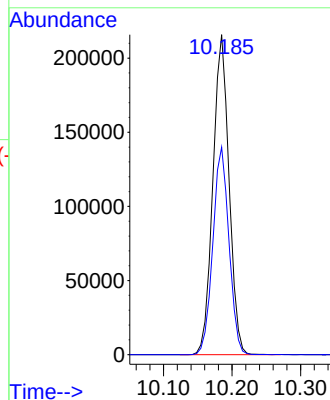
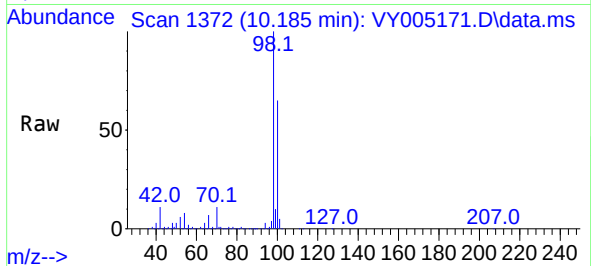




#50  
Toluene-d8  
Concen: 58.467 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

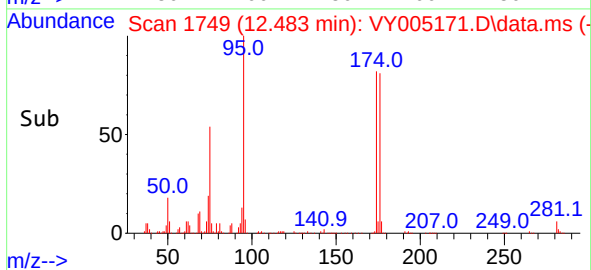
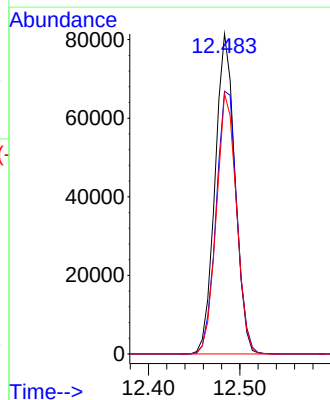
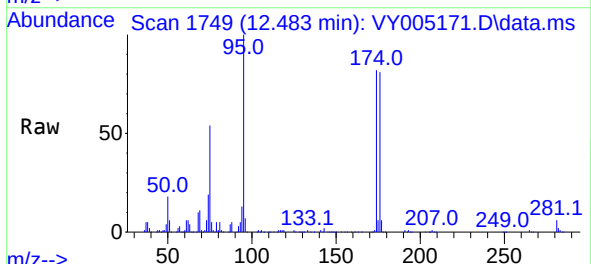
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RF-01\_3.5-4.0RE

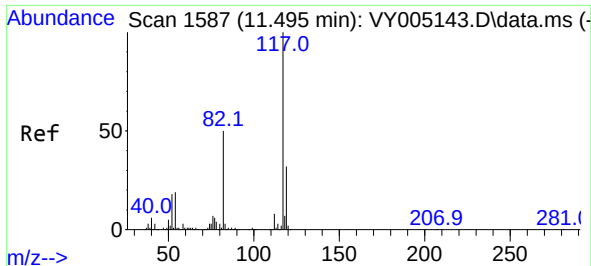
Tgt Ion: 98 Resp: 352369  
Ion Ratio Lower Upper  
98 100  
100 64.9 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 60.862 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

Tgt Ion: 95 Resp: 123363  
Ion Ratio Lower Upper  
95 100  
174 85.8 0.0 179.2  
176 82.0 0.0 174.0

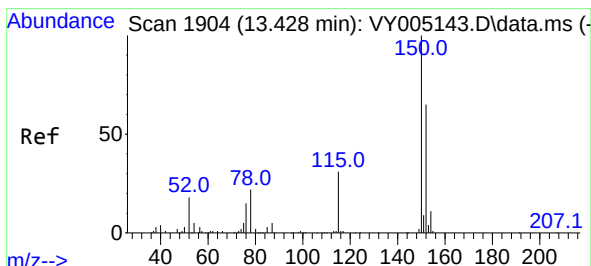
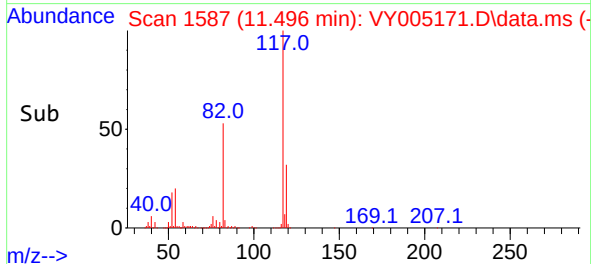
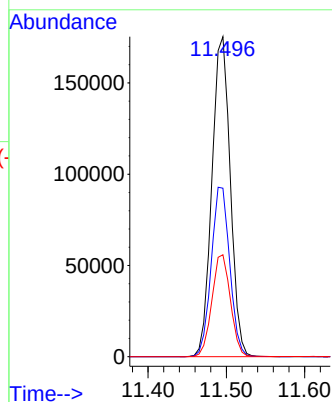
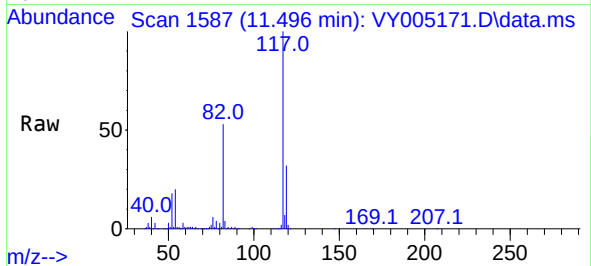




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RF-01\_3.5-4.0RE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 285417 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.7  | 39.8  | 59.6   |
| 119      | 31.9  | 25.9  | 38.9   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005171.D  
Acq: 17 Jun 2021 20:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 133973 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 57.8  | 29.5  | 88.6   |
| 150      | 156.4 | 0.0   | 348.2  |

