

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082521\  
 Data File : VY005830.D  
 Acq On : 25 Aug 2021 11:12  
 Operator : SY/MD  
 Sample : VY0825SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0825SBL01

Quant Time: Aug 26 03:36:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 205619   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 350486   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 355661   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 174212   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 124260   | 59.701   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 119.400% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 106010   | 54.024   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 108.040% |
| 50) Toluene-d8              | 10.185 | 98    | 448452   | 54.492   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 108.980% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 154902   | 56.839   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 113.680% |

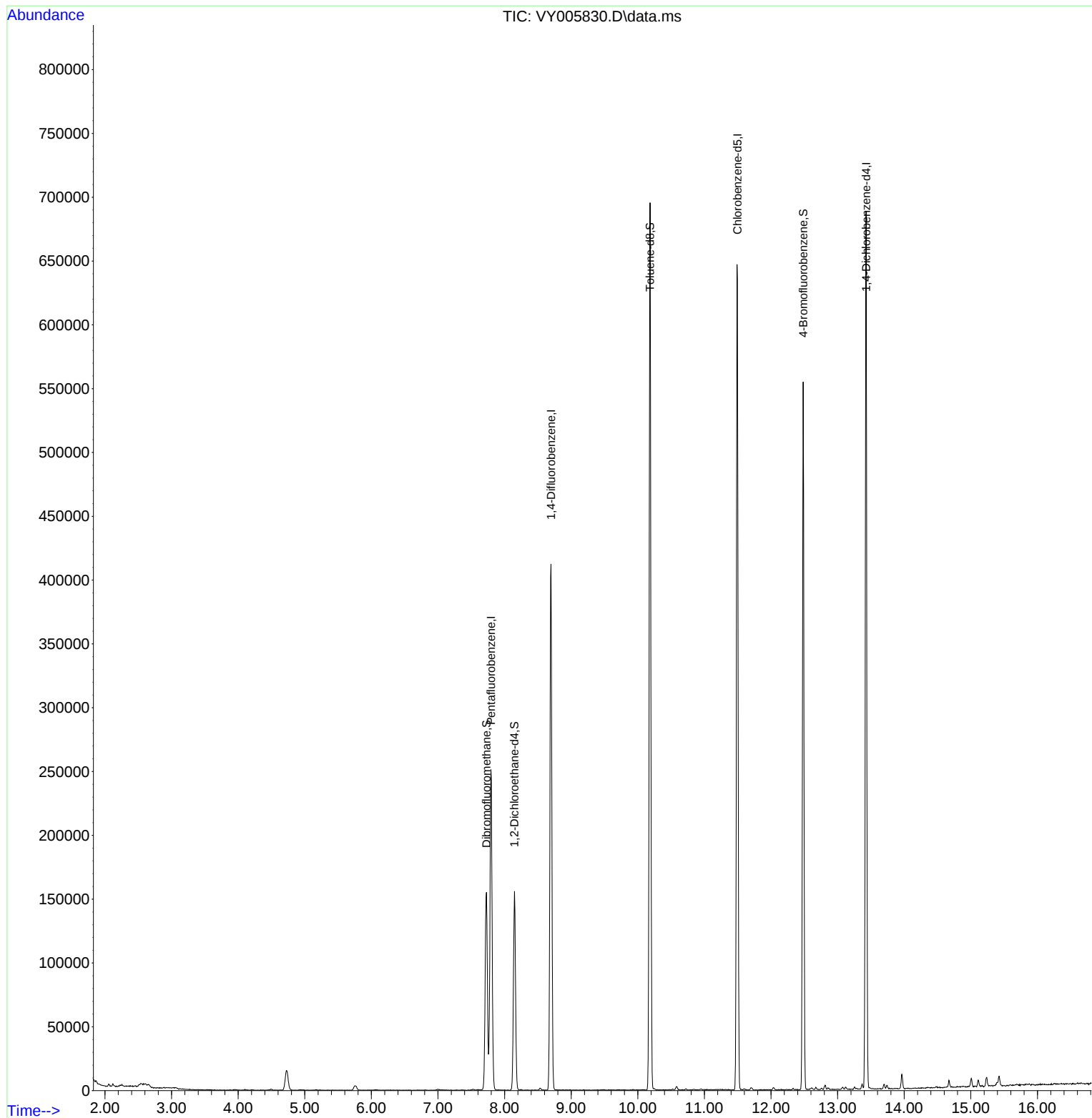
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

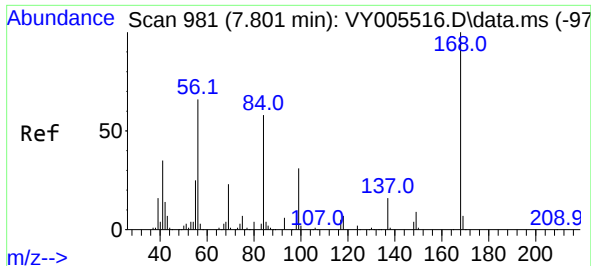
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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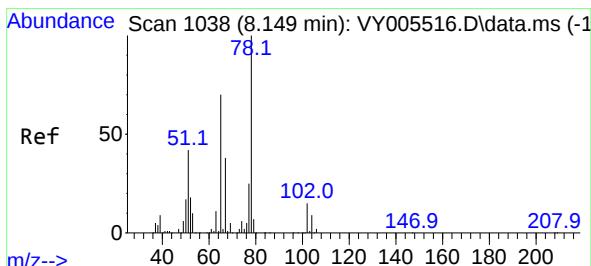
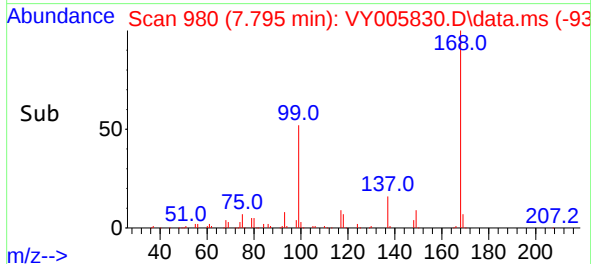
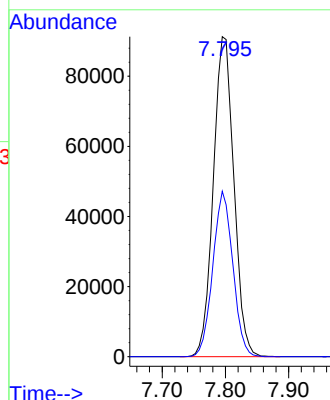
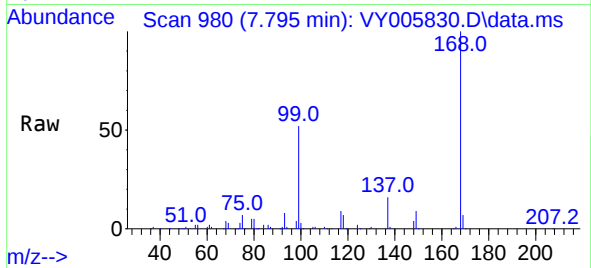




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

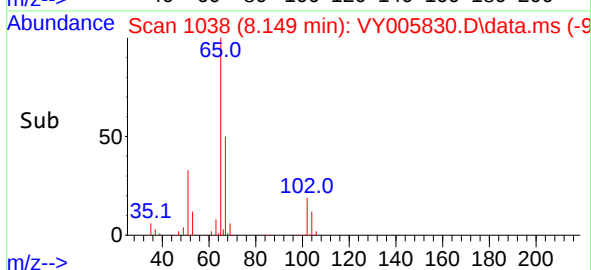
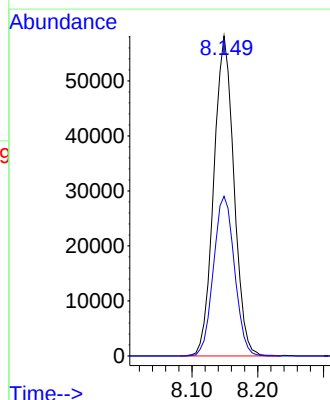
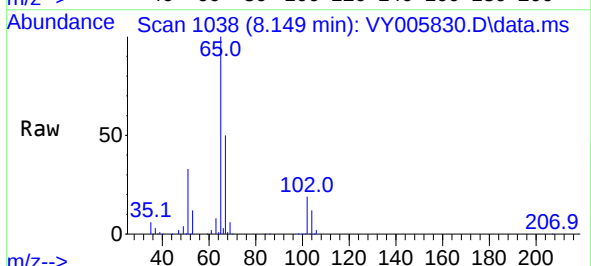
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

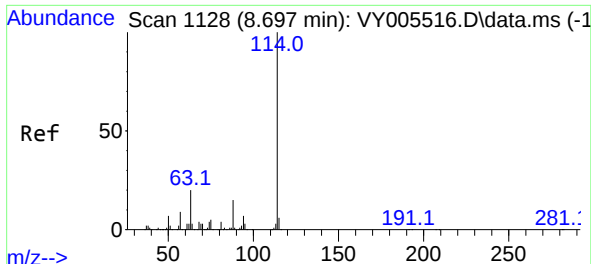
Tgt Ion:168 Resp: 205619  
Ion Ratio Lower Upper  
168 100  
99 51.7 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.701 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

Tgt Ion: 65 Resp: 124260  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.4



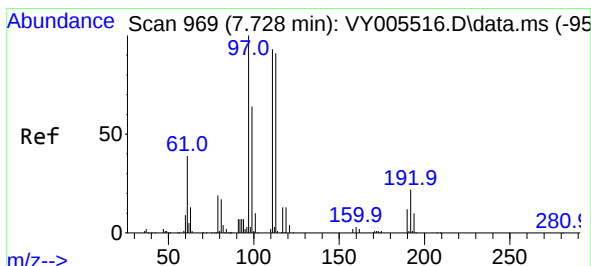
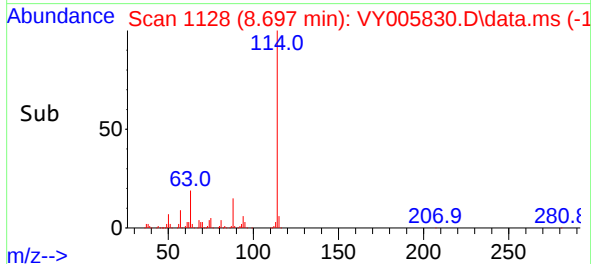
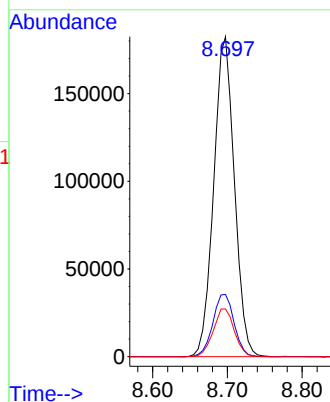
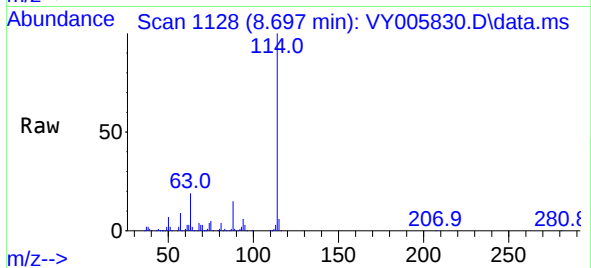


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

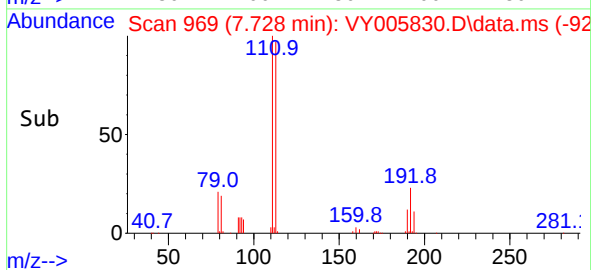
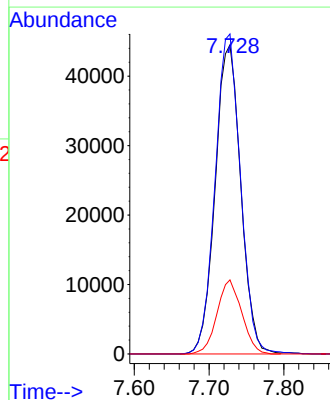
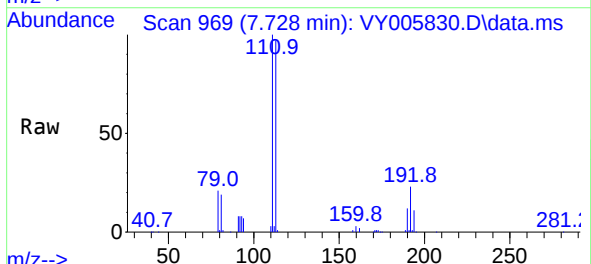
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 350486 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.5  | 0.0   | 39.2   |
| 88       | 14.9  | 0.0   | 30.8   |



#35

Dibromofluoromethane  
Concen: 54.024 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 106010 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 102.7 | 81.9  | 122.9  |
| 192      | 23.2  | 19.2  | 28.8   |

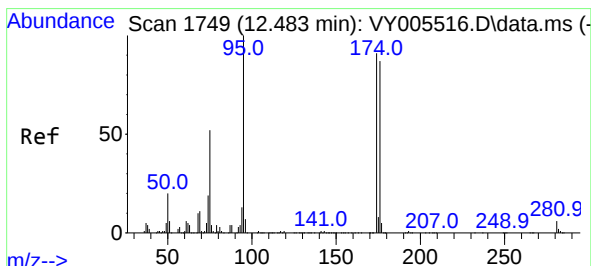
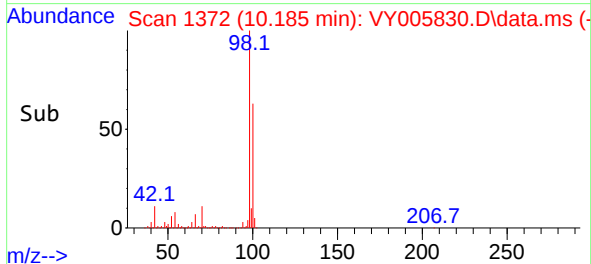
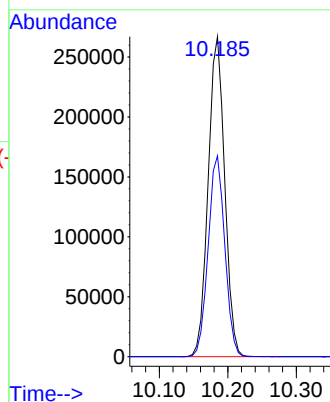
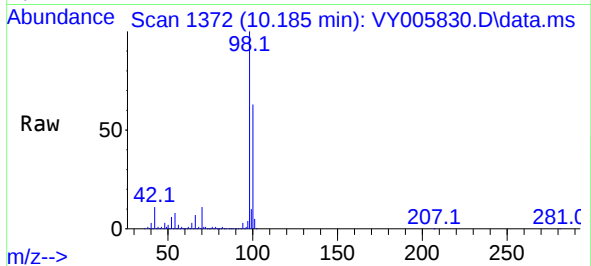




#50  
Toluene-d8  
Concen: 54.492 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

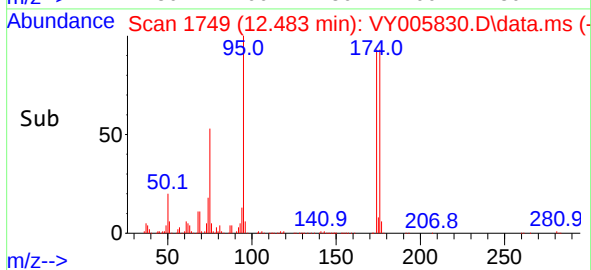
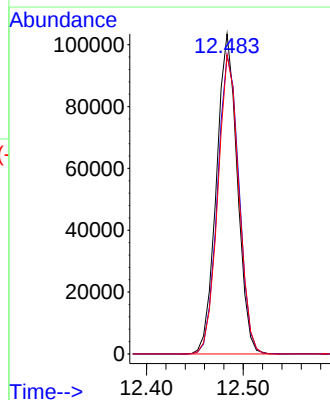
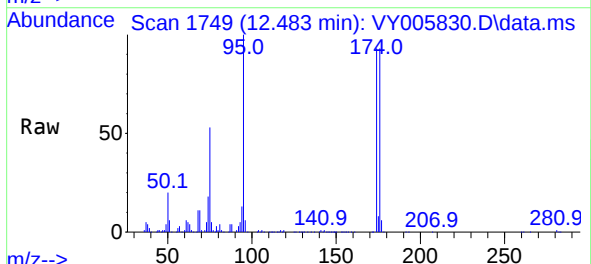
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

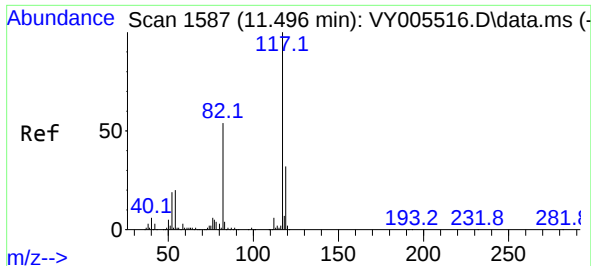
Tgt Ion: 98 Resp: 448452  
Ion Ratio Lower Upper  
98 100  
100 63.2 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 56.839 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

Tgt Ion: 95 Resp: 154902  
Ion Ratio Lower Upper  
95 100  
174 95.6 0.0 191.4  
176 93.7 0.0 183.6

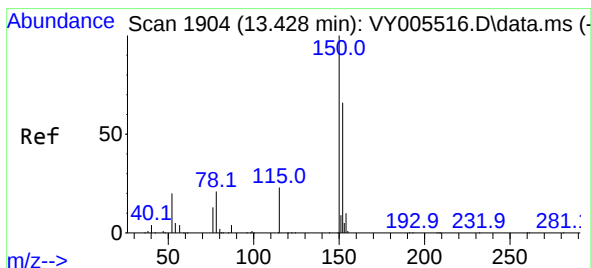
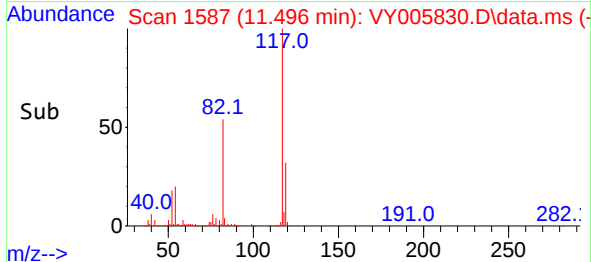
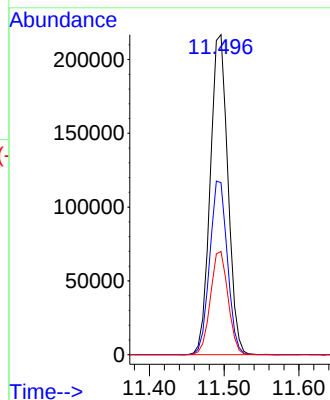
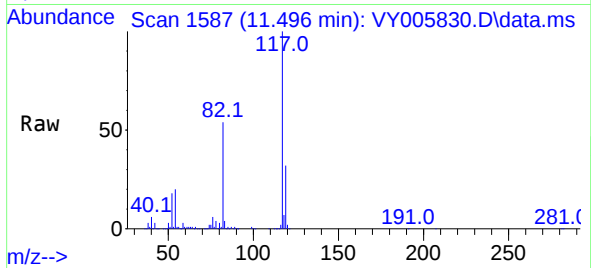




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005830.D  
Acq: 25 Aug 2021 11:12

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0825SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 355661 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 53.8  | 43.5  | 65.3   |
| 119      | 32.2  | 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: VY005830.D  
Acq: 25 Aug 2021 11:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 174212 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 54.7  | 27.3  | 81.9   |
| 150      | 159.1 | 0.0   | 350.2  |

