

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
 Data File : VY004123.D  
 Acq On : 18 Mar 2021 15:47  
 Operator : SY/MD  
 Sample : M1718-02  
 Misc : 5.78g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 BACKFILL-ASHCROFT-REAR-04

Quant Time: Mar 19 01:43:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 193572   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 334780   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 323518   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 162457   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 112501   | 58.89    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 117.78%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 104091   | 55.14    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 110.28%  |
| 50) Toluene-d8              | 10.185 | 98    | 403120   | 54.47    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 108.94%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 148745   | 54.42    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 108.84%  |

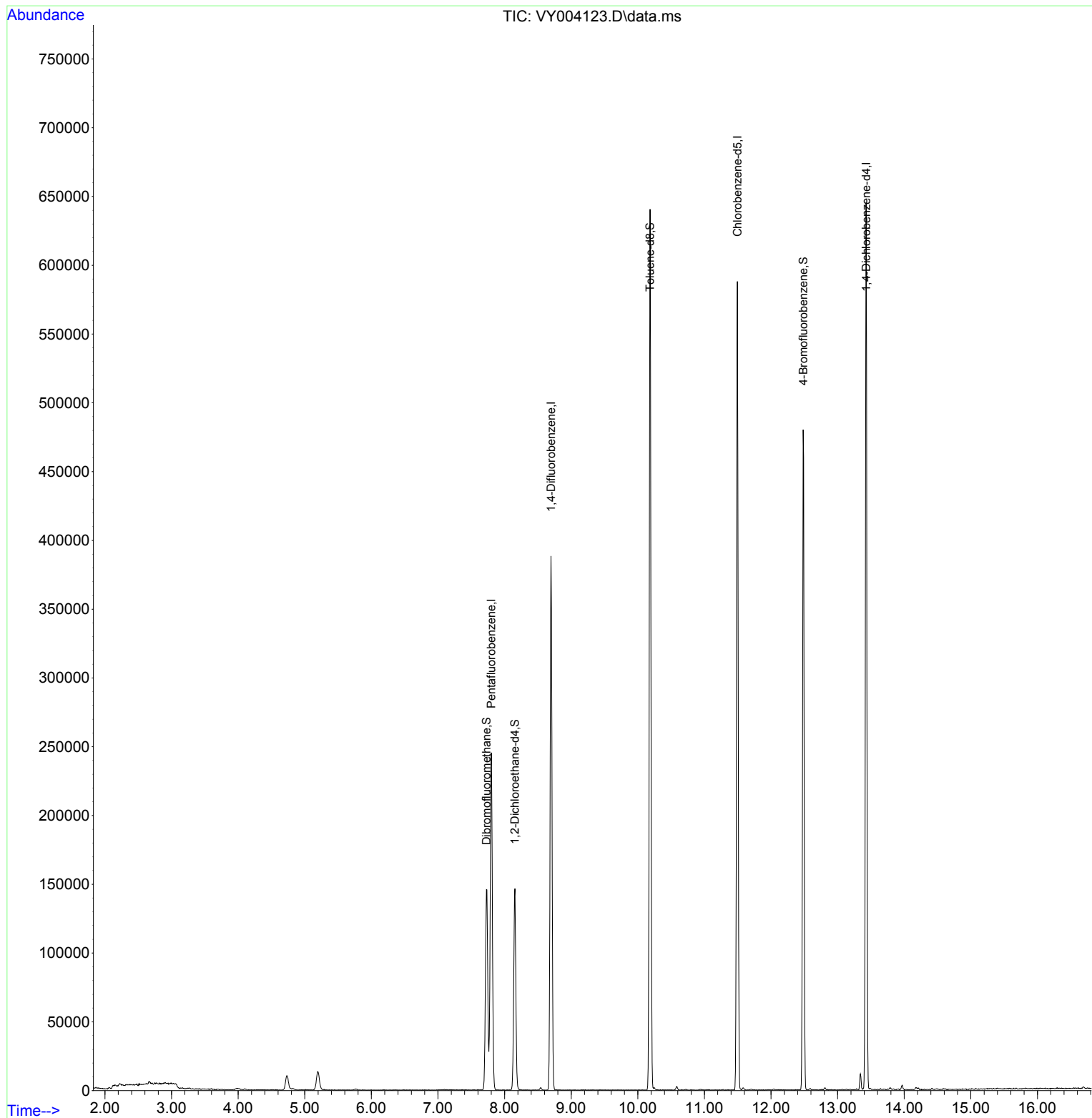
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

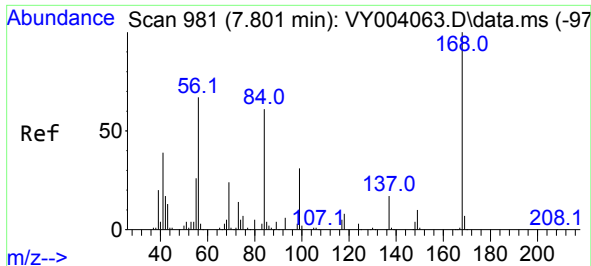
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031821\  
Data File : VY004123.D  
Acq On : 18 Mar 2021 15:47  
Operator : SY/MD  
Sample : M1718-02  
Misc : 5.78g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BACKFILL-ASHCROFT-REAR-04

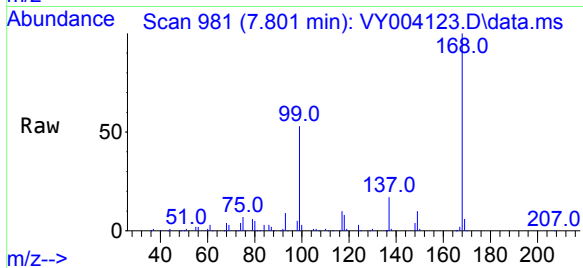
Quant Time: Mar 19 01:43:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration



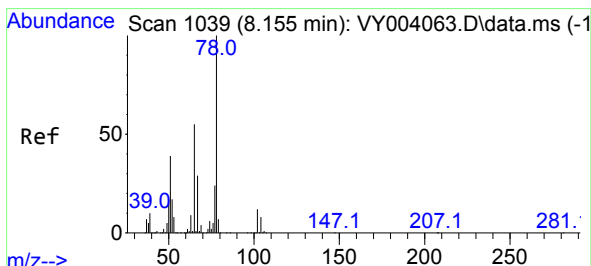
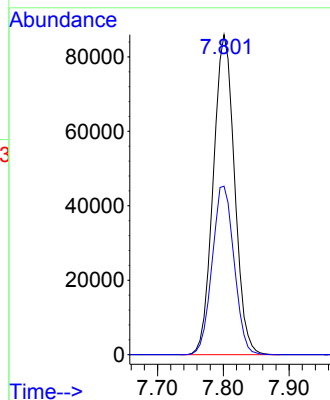
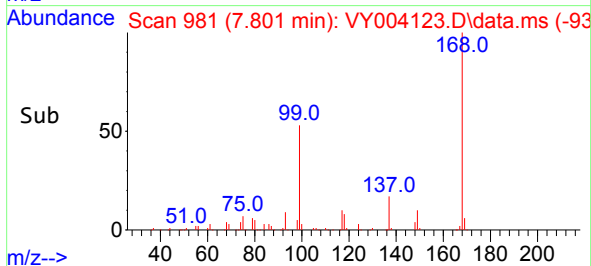


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

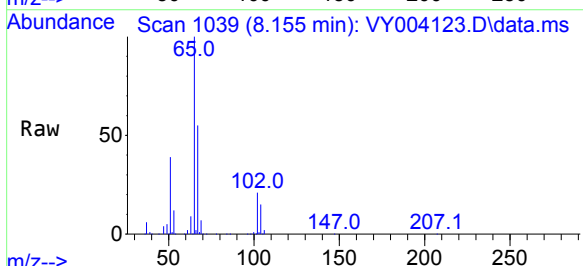
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BACKFILL-ASHCROFT-REAR-04



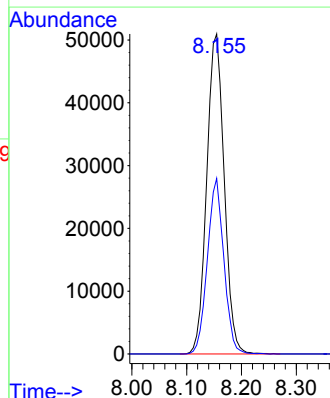
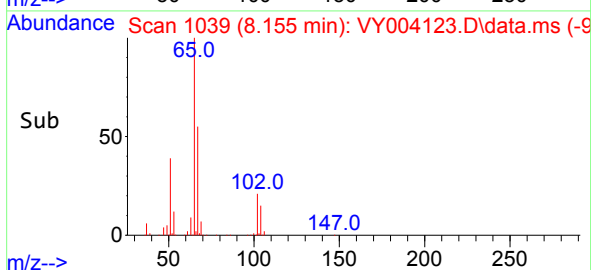
Tgt Ion:168 Resp: 193572  
Ion Ratio Lower Upper  
168 100  
99 52.6 41.2 61.8

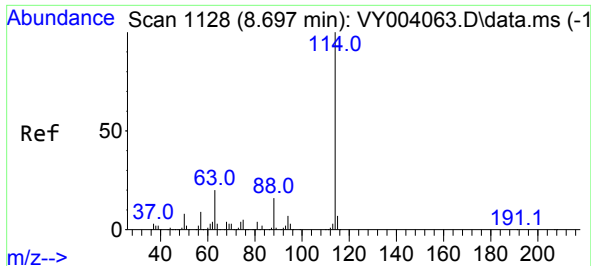


#33  
1,2-Dichloroethane-d4  
Concen: 58.89 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47



Tgt Ion: 65 Resp: 112501  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 101.4

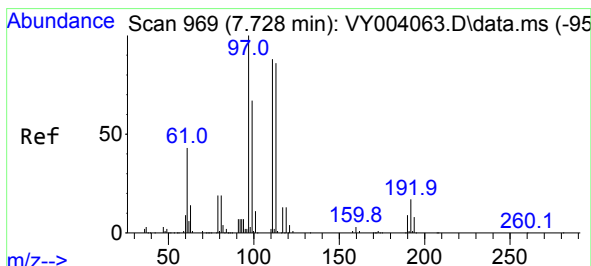
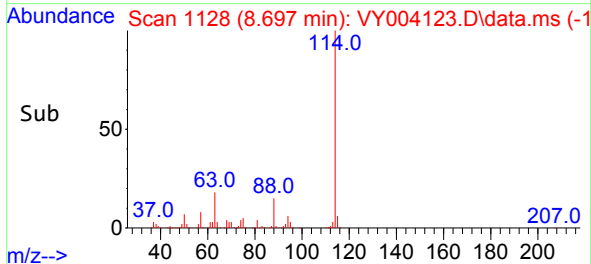
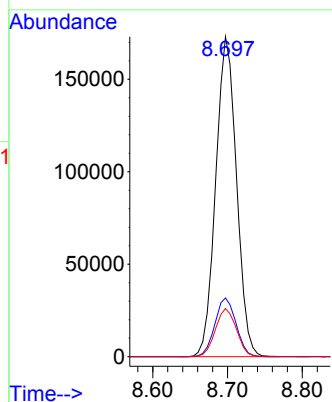
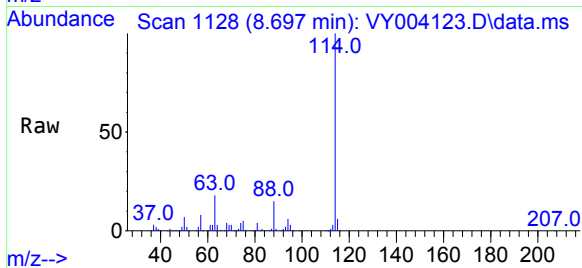




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

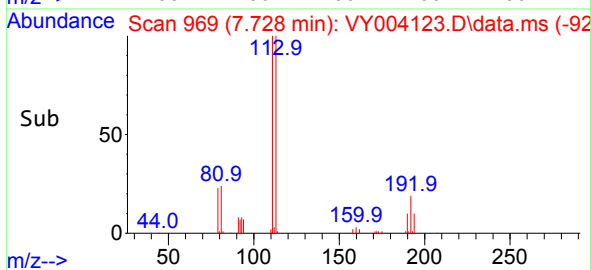
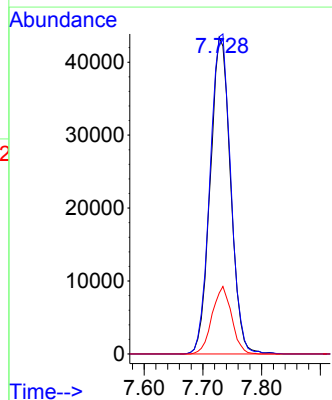
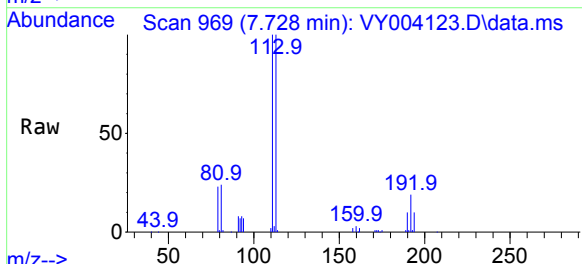
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BACKFILL-ASHCROFT-REAR-04

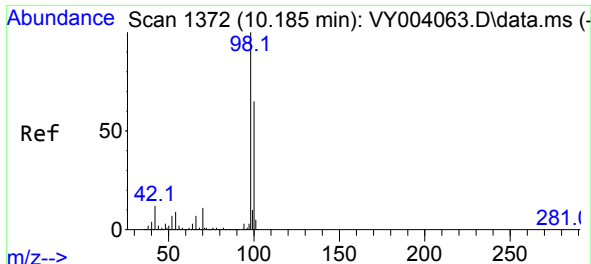
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 334780 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 18.4  | 0.0   | 41.6   |
| 88       | 15.1  | 0.0   | 31.4   |



#35  
Dibromofluoromethane  
Concen: 55.14 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 104091 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.0 | 83.2  | 124.8  |
| 192      | 20.5  | 18.5  | 27.7   |

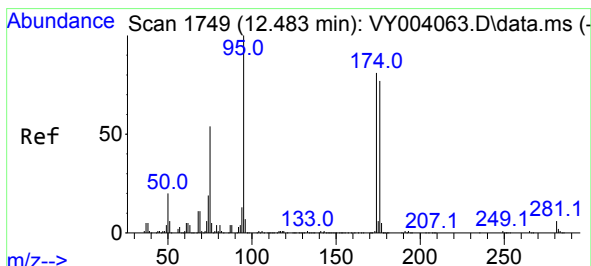
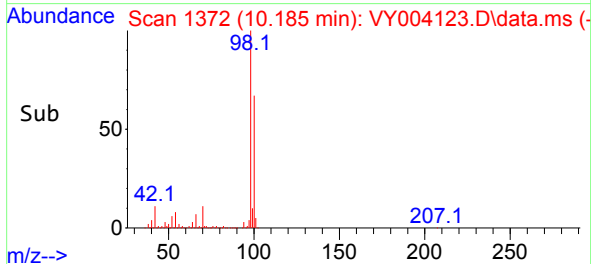
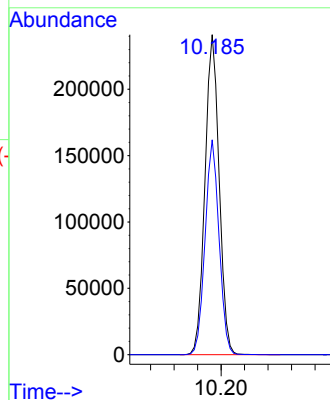
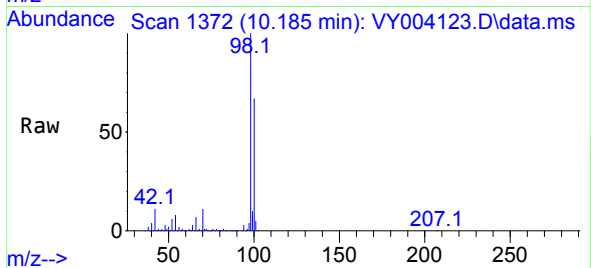




#50  
Toluene-d8  
Concen: 54.47 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

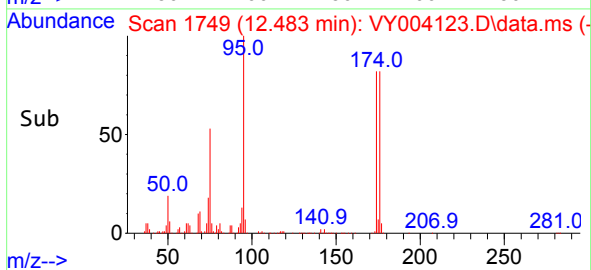
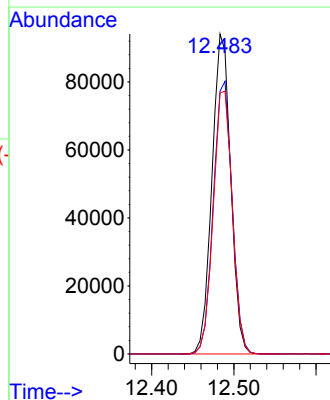
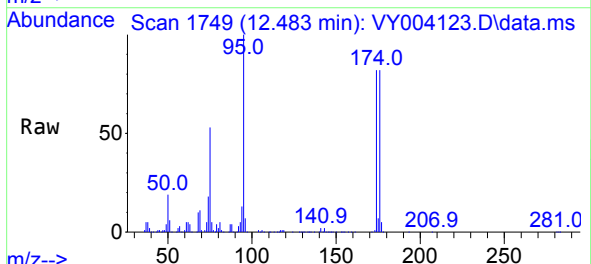
Instrument :  
MSVOA\_Y  
ClientSampleId :  
BACKFILL-ASHCROFT-REAR-04

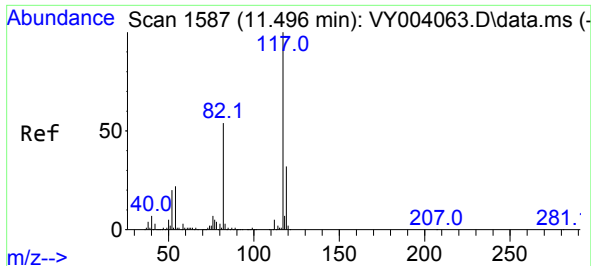
Tgt Ion: 98 Resp: 403120  
Ion Ratio Lower Upper  
98 100  
100 66.1 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 54.42 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

Tgt Ion: 95 Resp: 148745  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 179.0  
176 83.7 0.0 174.4

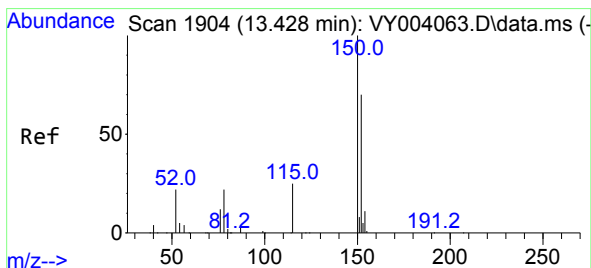
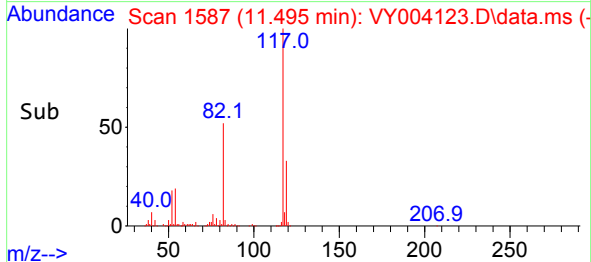
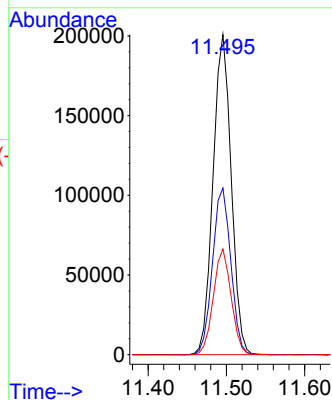
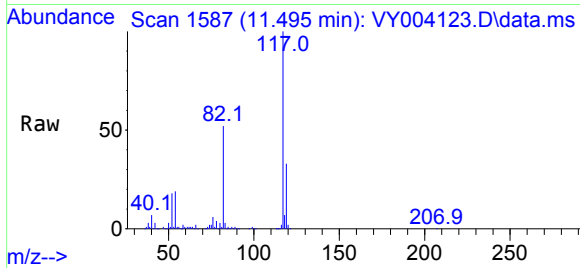




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.001 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BACKFILL-ASHCROFT-REAR-04

|             |              |
|-------------|--------------|
| Tgt Ion:117 | Resp: 323518 |
| Ion Ratio   | Lower Upper  |
| 117 100     |              |
| 82 52.0     | 43.8 65.6    |
| 119 33.1    | 26.2 39.2    |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004123.D  
Acq: 18 Mar 2021 15:47

|             |              |       |       |
|-------------|--------------|-------|-------|
| Tgt Ion:152 | Resp: 162457 |       |       |
| Ion Ratio   | Lower        | Upper |       |
| 152         | 100          |       |       |
| 115         | 57.5         | 28.2  | 84.6  |
| 150         | 156.1        | 0.0   | 347.2 |

