

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051821\  
 Data File : VY004828.D  
 Acq On : 18 May 2021 15:51  
 Operator : SY/MD  
 Sample : M2435-01  
 Misc : 6.54G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VAN-REIPEN-A

Quant Time: May 19 01:04:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y051021S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 11 04:13:44 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 186057   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 340445   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 329430   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 150787   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 135365   | 61.12    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 122.24%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 105526   | 56.62    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 113.24%  |
| 50) Toluene-d8              | 10.179 | 98    | 428272   | 50.87    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 101.74%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 153845   | 54.14    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 108.28%  |

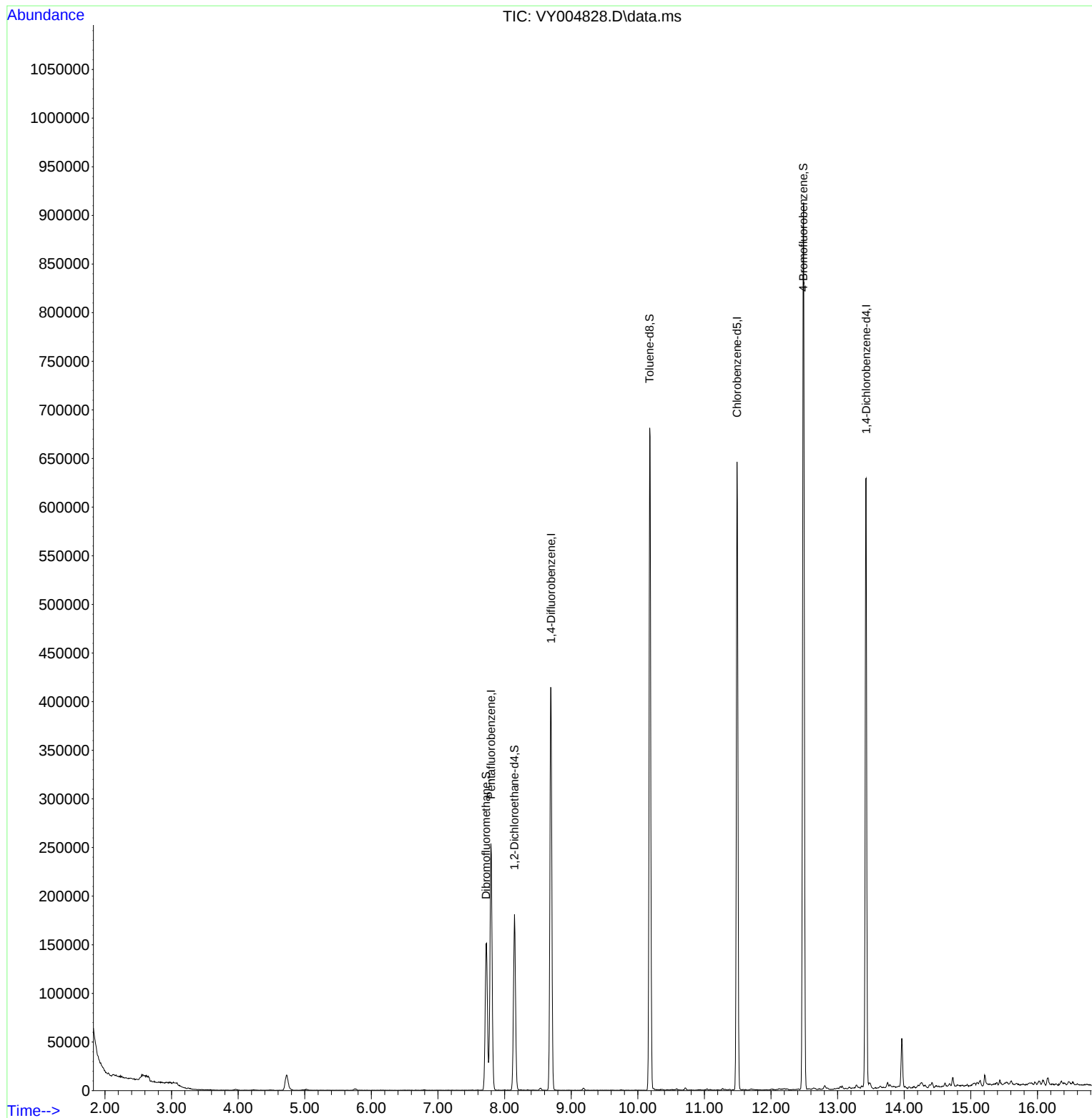
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

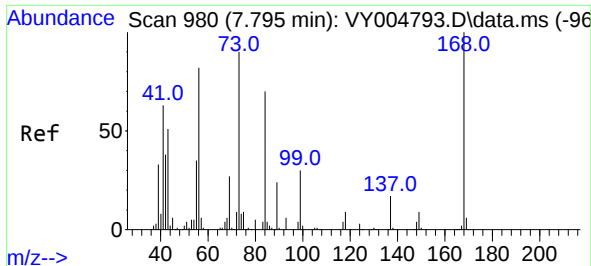
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 11 04:13:44 2021  
Response via : Initial Calibration

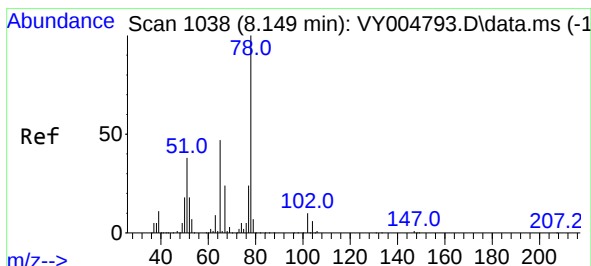
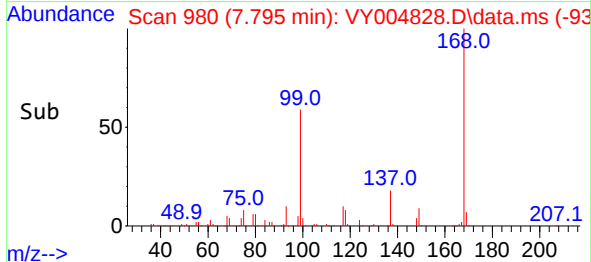
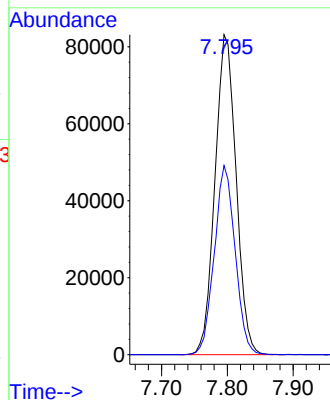
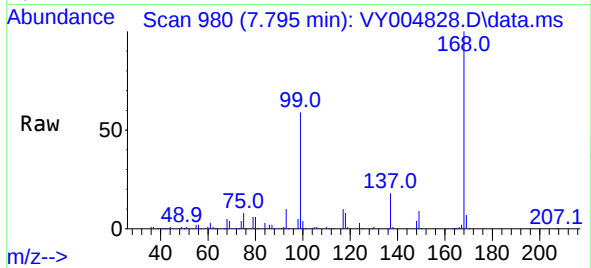




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

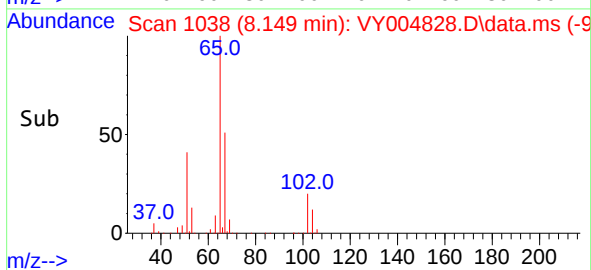
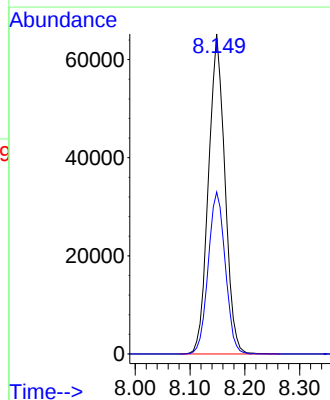
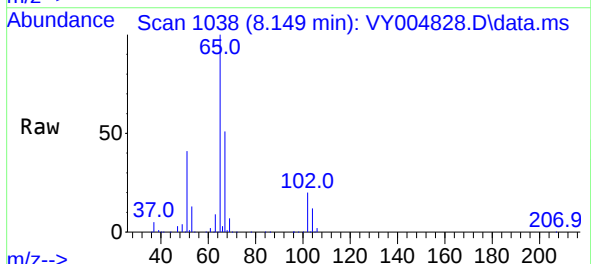
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VAN-REIPEN-A

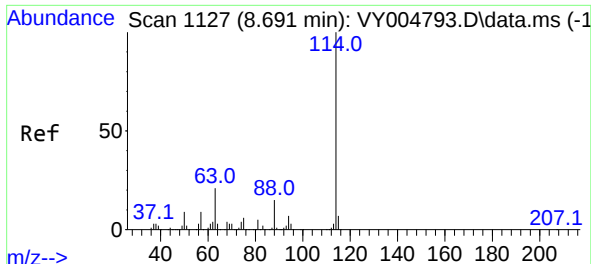
Tgt Ion:168 Resp: 186057  
Ion Ratio Lower Upper  
168 100  
99 59.1 45.6 68.4



#33  
1,2-Dichloroethane-d4  
Concen: 61.12 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Tgt Ion: 65 Resp: 135365  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 108.0



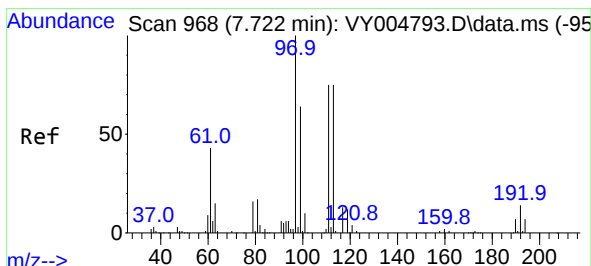
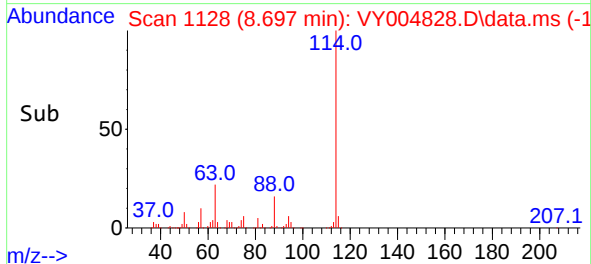
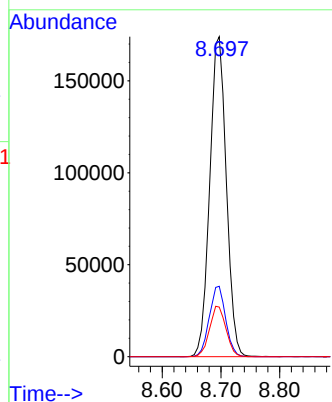
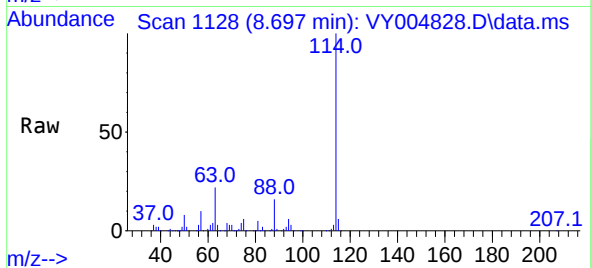


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VAN-REIPEN-A

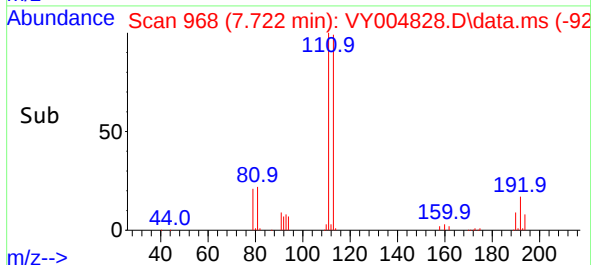
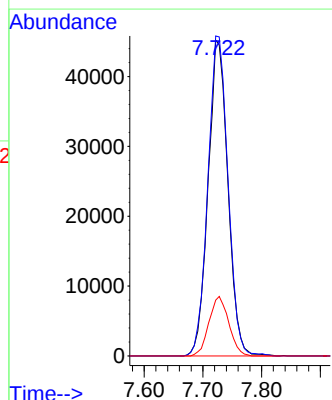
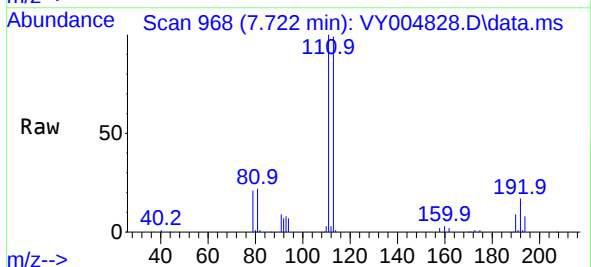
Tgt Ion:114 Resp: 340445  
Ion Ratio Lower Upper  
114 100  
63 22.0 0.0 42.8  
88 15.5 0.0 31.0

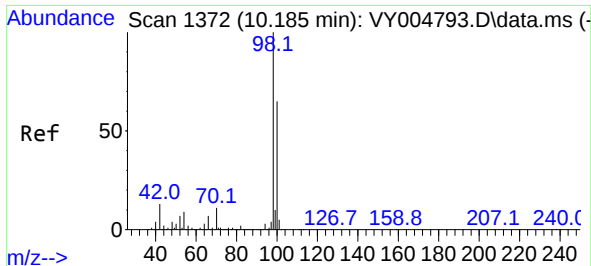


#35

Dibromofluoromethane  
Concen: 56.62 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Tgt Ion:113 Resp: 105526  
Ion Ratio Lower Upper  
113 100  
111 103.1 80.5 120.7  
192 18.9 15.0 22.6

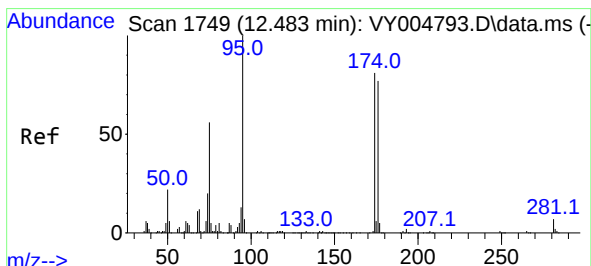
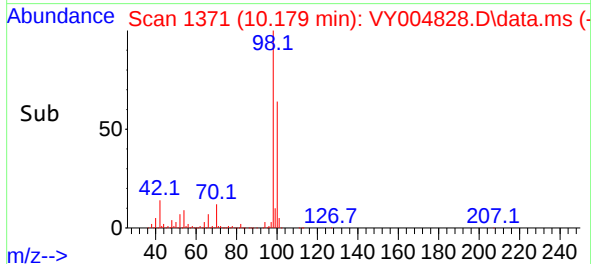
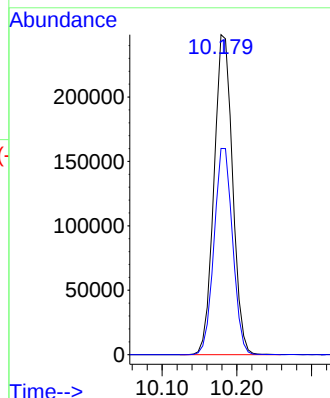
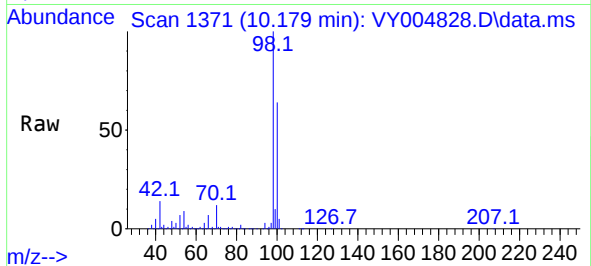




#50  
Toluene-d8  
Concen: 50.87 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

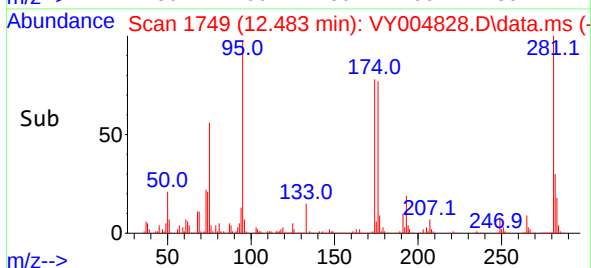
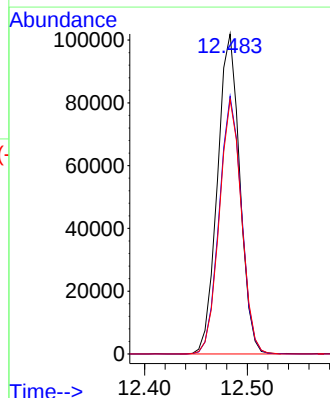
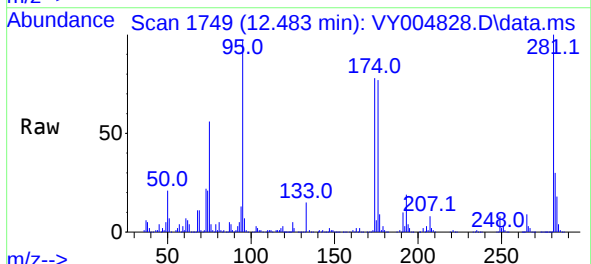
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VAN-REIPEN-A

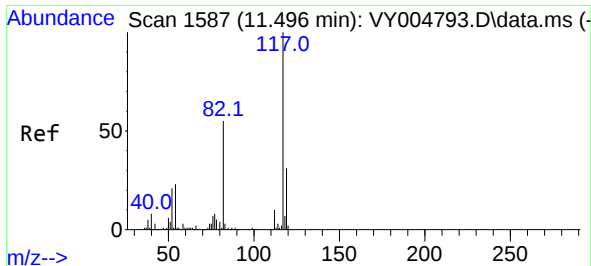
Tgt Ion: 98 Resp: 428272  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 54.14 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Tgt Ion: 95 Resp: 153845  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 164.2  
176 78.8 0.0 159.0

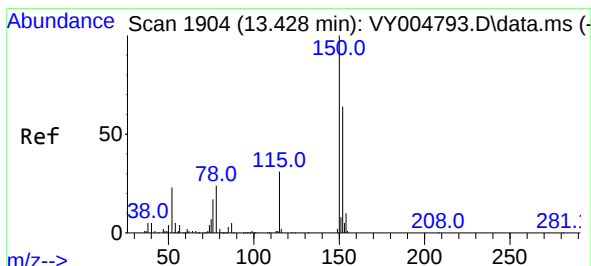
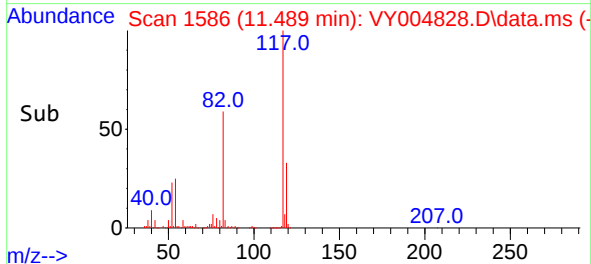
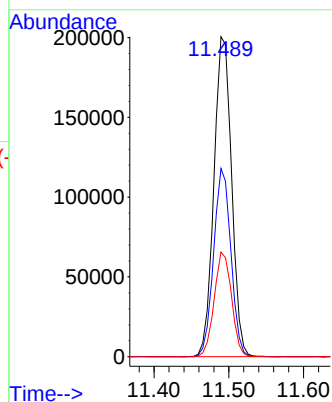
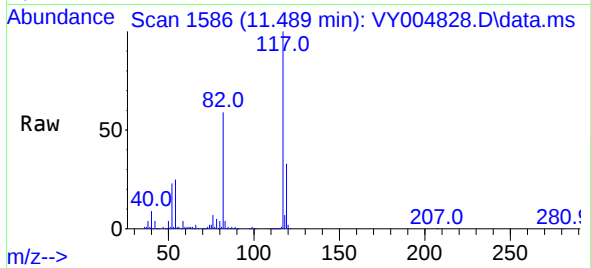




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VAN-REIPEN-A

Tgt Ion:117 Resp: 329430  
Ion Ratio Lower Upper  
117 100  
82 58.8 45.4 68.2  
119 32.7 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004828.D  
Acq: 18 May 2021 15:51

Tgt Ion:152 Resp: 150787  
Ion Ratio Lower Upper  
152 100  
115 60.1 29.4 88.3  
150 160.3 0.0 349.8

