

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\vy062921\  
 Data File : VY005284.D  
 Acq On : 29 Jun 2021 18:37  
 Operator : SY/MD  
 Sample : M2885-01  
 Misc : 5.86G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 26644

Quant Time: Jun 30 13:48:56 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062221S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 07:57:52 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 225432   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 366336   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 353715   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 143753   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 118745   | 63.474   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 126.940% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 115281   | 53.359   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.720% |
| 50) Toluene-d8              | 10.185 | 98    | 442846   | 51.255   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.520% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 148364   | 51.532   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 103.060% |

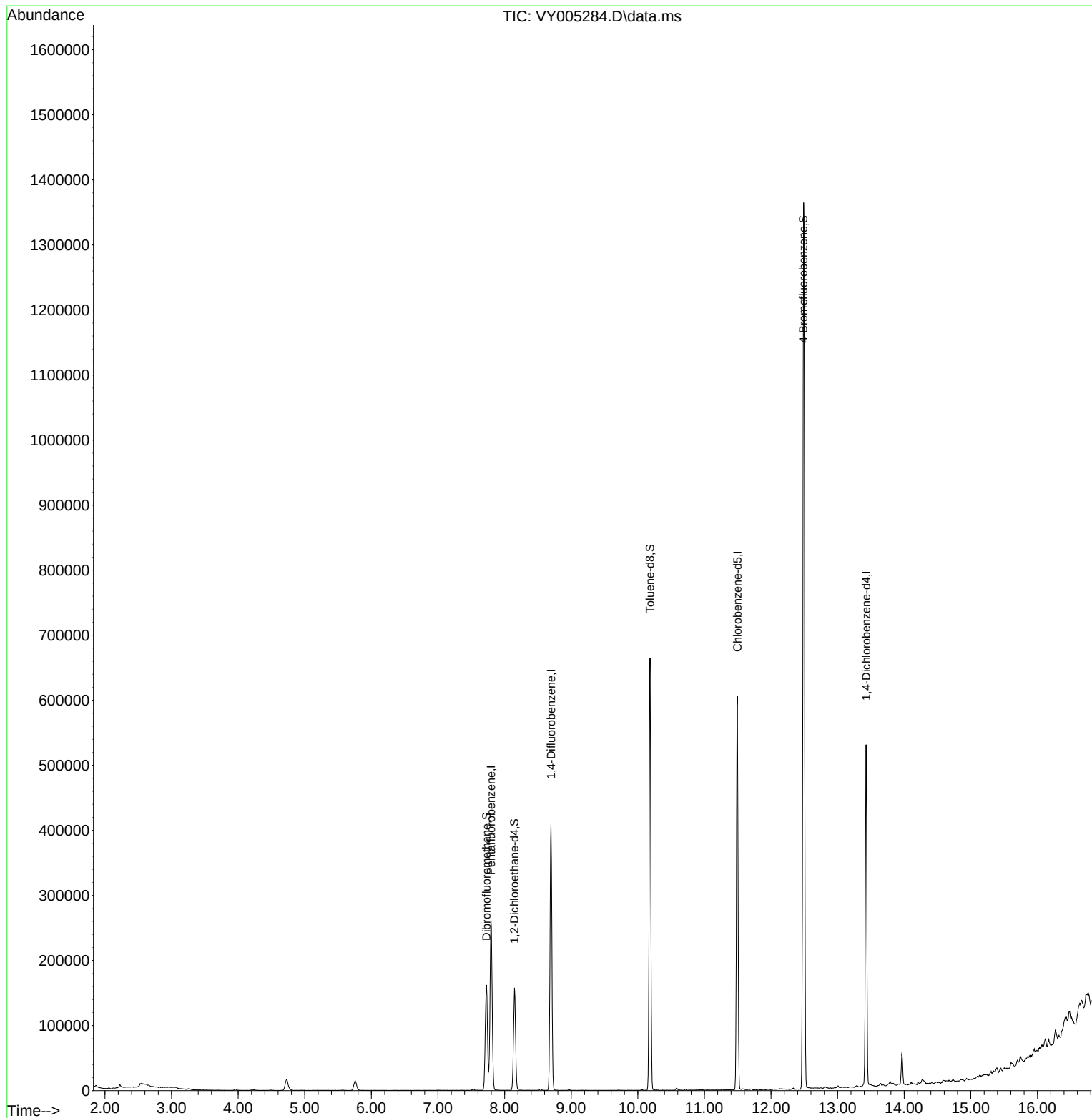
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

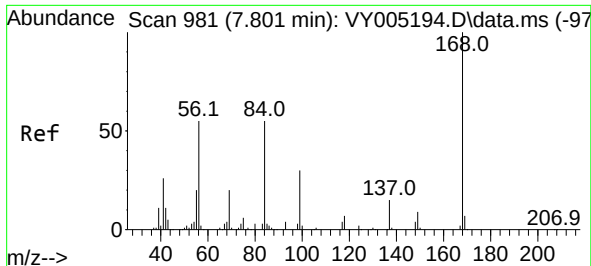
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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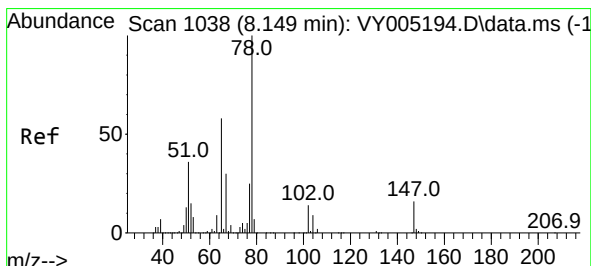
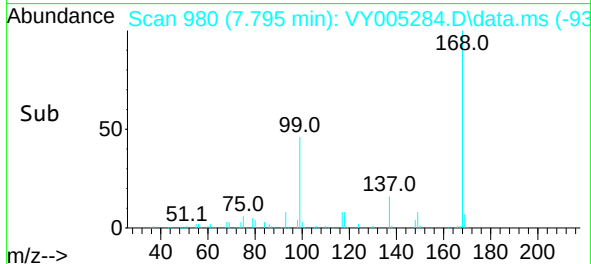
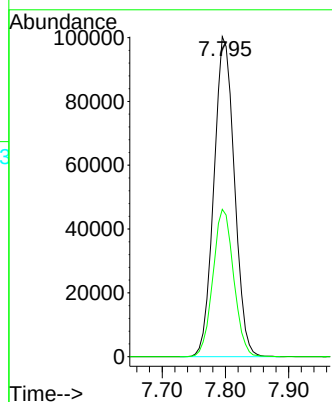
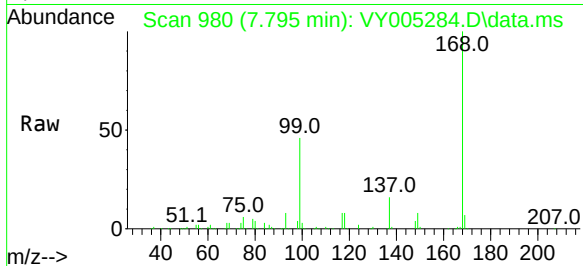




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005284.D  
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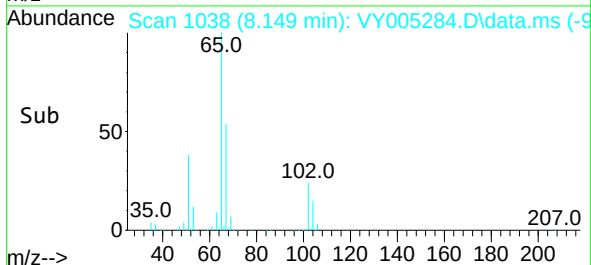
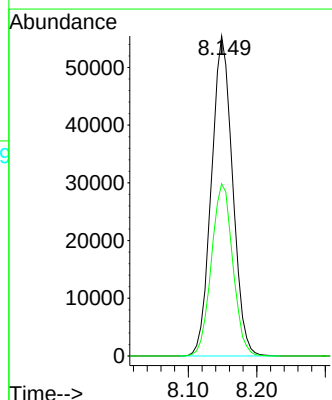
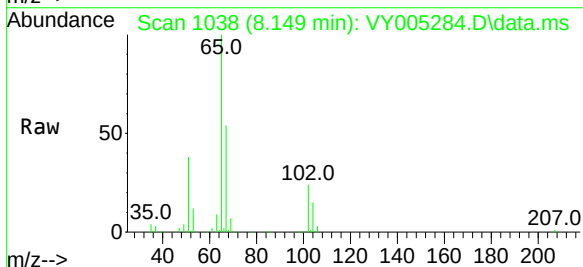
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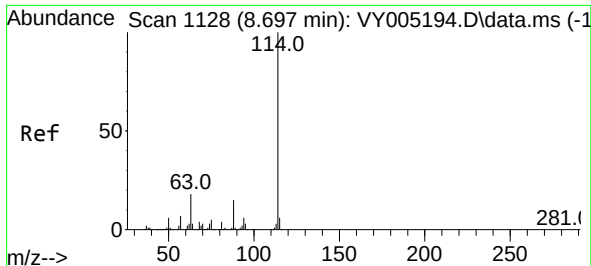
Tgt Ion:168 Resp: 225432  
Ion Ratio Lower Upper  
168 100  
99 46.0 36.2 54.4



#33  
1,2-Dichloroethane-d4  
Concen: 63.474 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

Tgt Ion: 65 Resp: 118745  
Ion Ratio Lower Upper  
65 100  
67 54.4 0.0 110.6

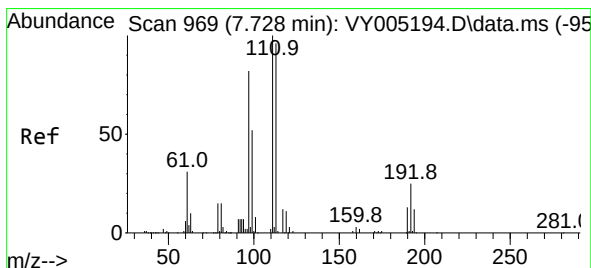
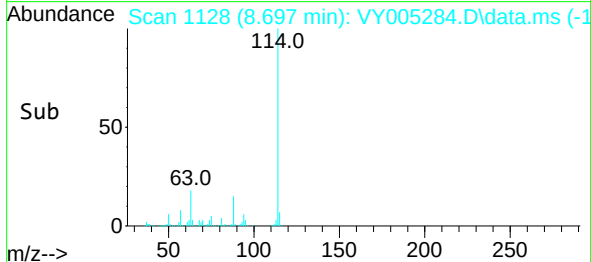
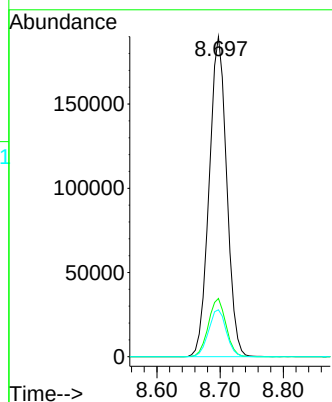
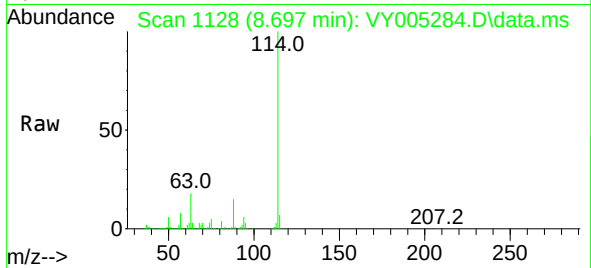




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

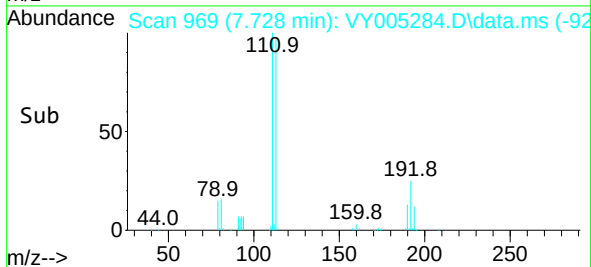
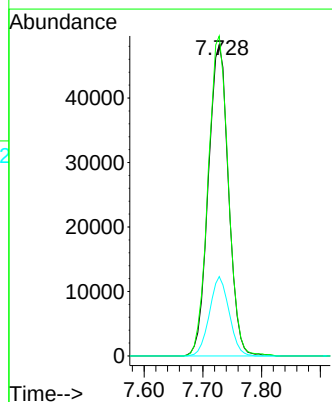
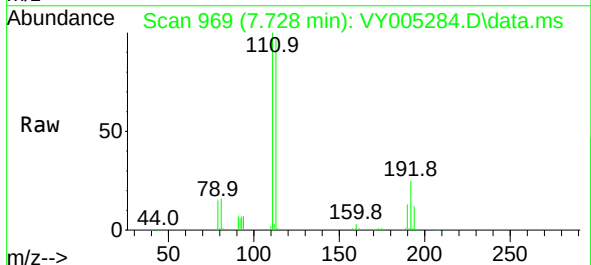
Instrument :  
MSVOA\_Y  
ClientSampled :  
26644

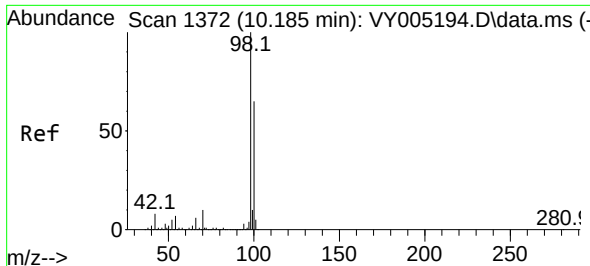
Tgt Ion:114 Resp: 366336  
Ion Ratio Lower Upper  
114 100  
63 18.2 0.0 35.2  
88 14.7 0.0 29.4



#35  
Dibromofluoromethane  
Concen: 53.359 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

Tgt Ion:113 Resp: 115281  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.6 124.0  
192 24.8 20.2 30.2

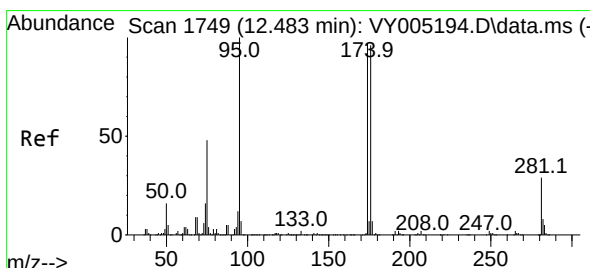
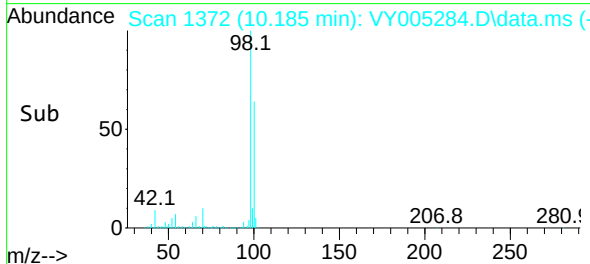
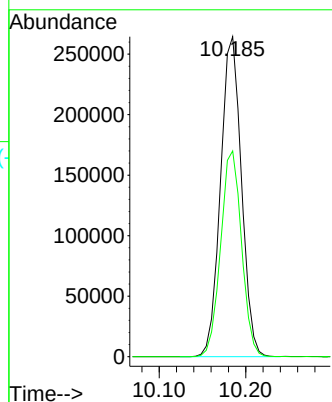
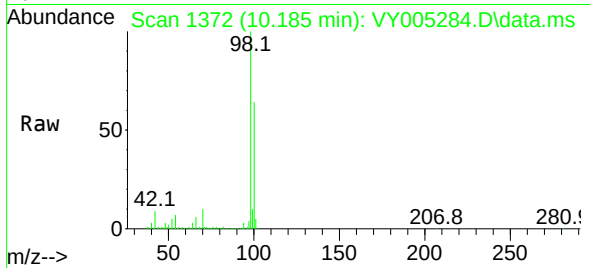




#50  
Toluene-d8  
Concen: 51.255 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

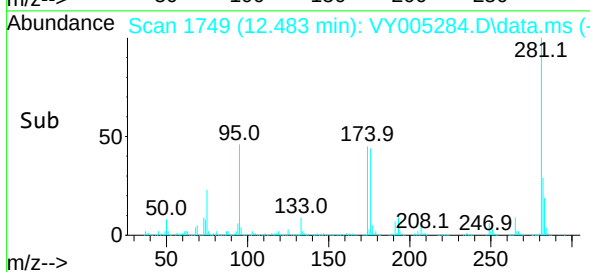
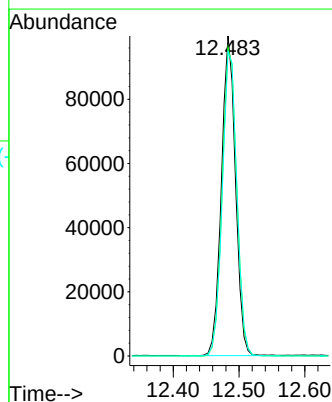
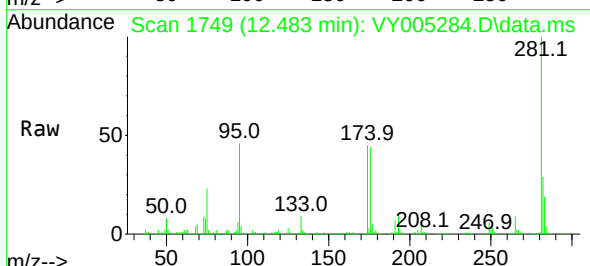
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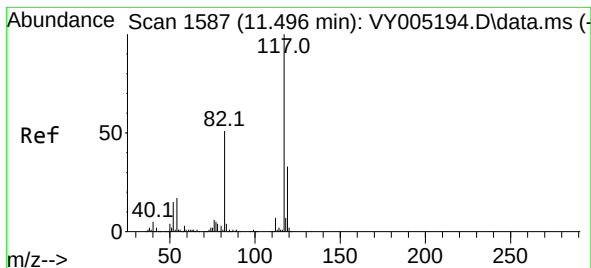
Tgt Ion: 98 Resp: 442846  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 51.532 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

Tgt Ion: 95 Resp: 148364  
Ion Ratio Lower Upper  
95 100  
174 99.1 0.0 201.6  
176 98.3 0.0 197.4

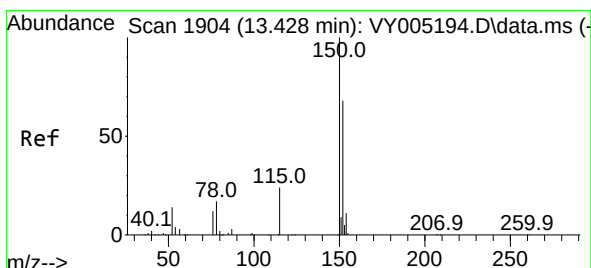
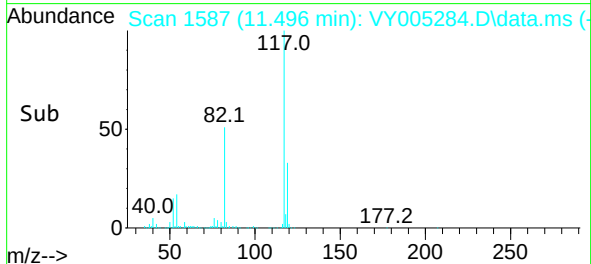
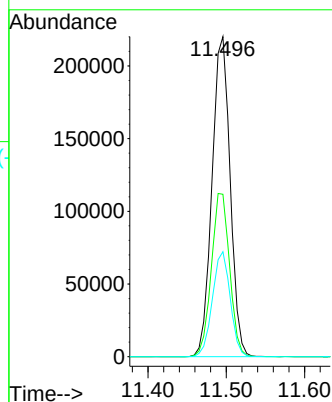
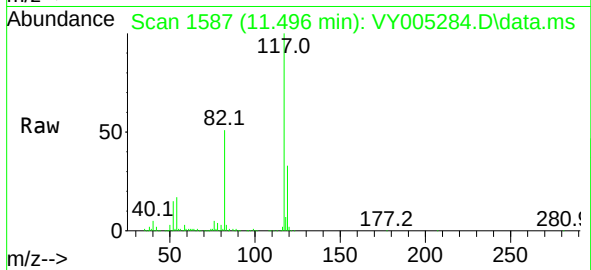




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

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MSVOA\_Y  
ClientSampled :  
26644

Tgt Ion:117 Resp: 353715  
Ion Ratio Lower Upper  
117 100  
82 50.8 40.6 60.8  
119 32.8 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005284.D  
Acq: 29 Jun 2021 18:37

Tgt Ion:152 Resp: 143753  
Ion Ratio Lower Upper  
152 100  
115 53.3 26.3 78.8  
150 157.7 0.0 344.2

