

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041421\  
 Data File : VY004426.D  
 Acq On : 14 Apr 2021 16:59  
 Operator : SY/MD  
 Sample : M2036-08  
 Misc : 5.94G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RT-80-W-ROCKAWAY-B-2

Quant Time: Apr 15 01:09:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 161110   | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 283529   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 259133   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 105878   | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 101035   | 56.44    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 112.88%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 85269    | 54.19    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 108.38%  |
| 50) Toluene-d8              | 10.185 | 98    | 346646   | 51.79    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 103.58%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 110826   | 48.80    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 97.60%   |

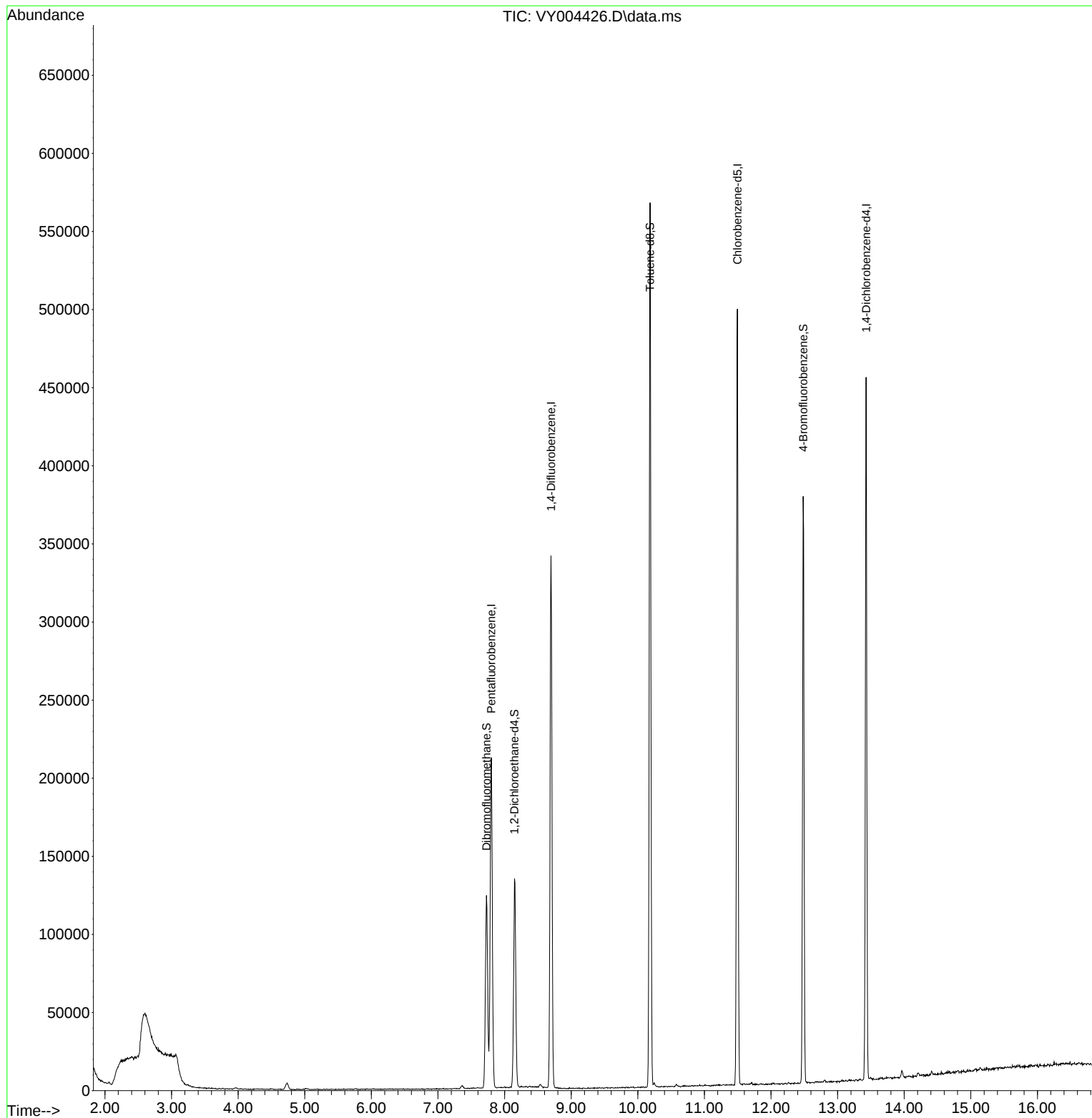
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

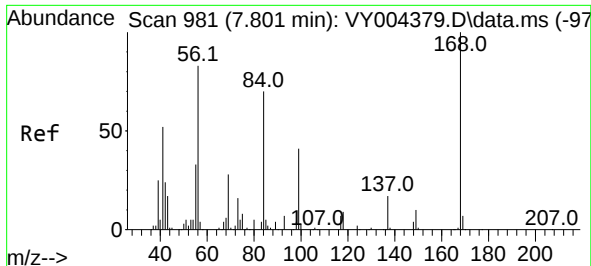
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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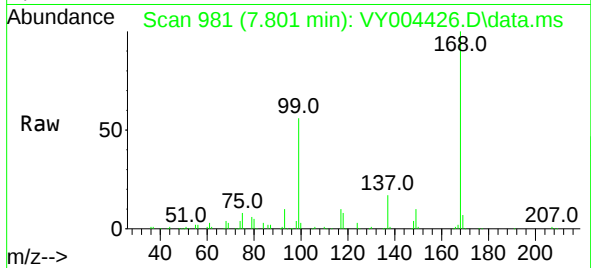
Quant Time: Apr 15 01:09:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



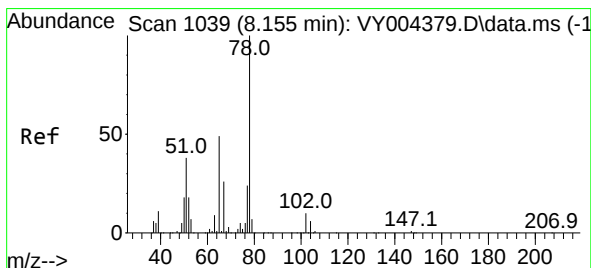
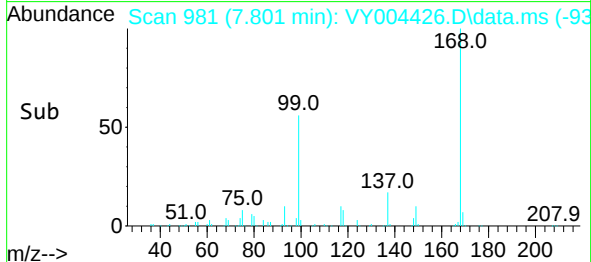
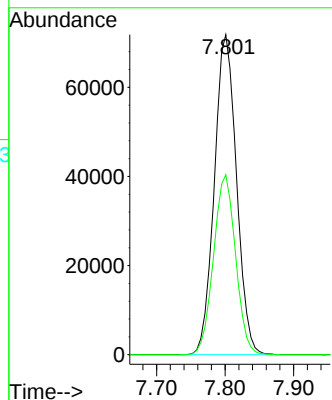


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT-80-W-ROCKAWAY-B-2

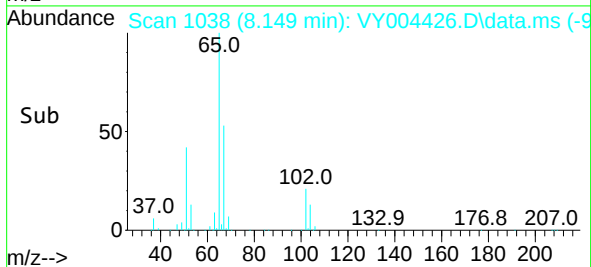
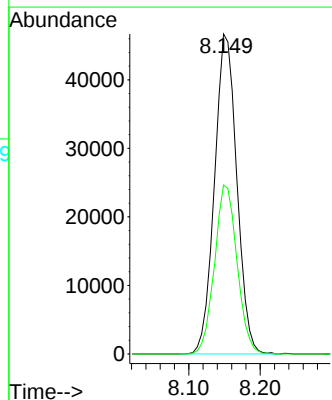
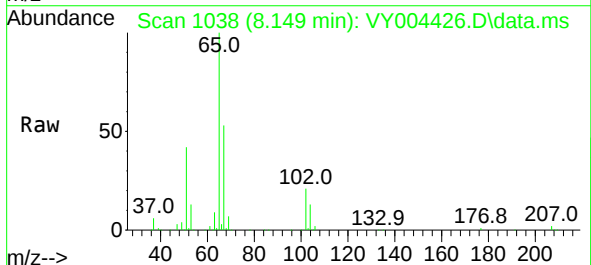


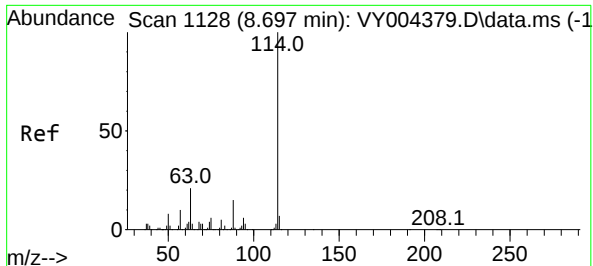
Tgt Ion:168 Resp: 161110  
Ion Ratio Lower Upper  
168 100  
99 56.2 45.5 68.3



#33  
1,2-Dichloroethane-d4  
Concen: 56.44 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

Tgt Ion: 65 Resp: 101035  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.4

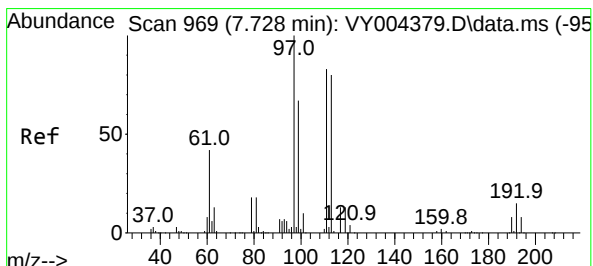
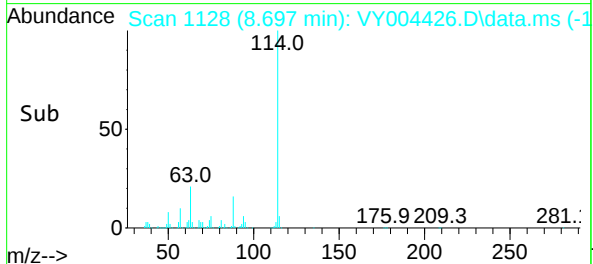
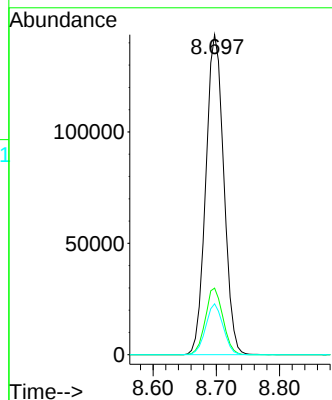
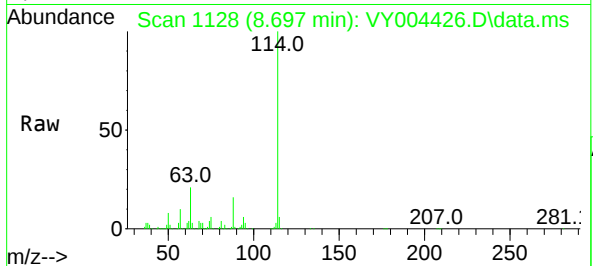




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

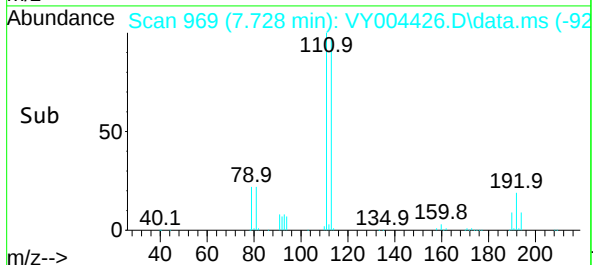
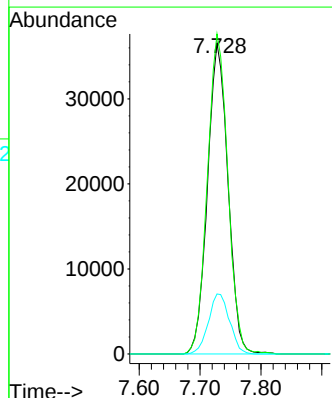
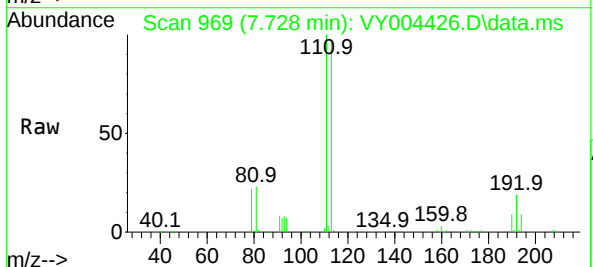
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RT-80-W-ROCKAWAY-B-2

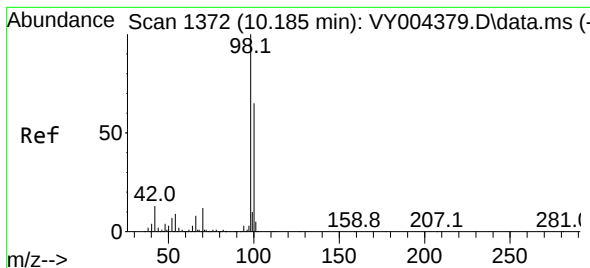
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 283529 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.8  | 0.0   | 42.4   |
| 88       | 15.9  | 0.0   | 30.8   |



#35  
Dibromofluoromethane  
Concen: 54.19 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 85269 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.2 | 82.6  | 123.8 |
| 192      | 19.9  | 16.1  | 24.1  |

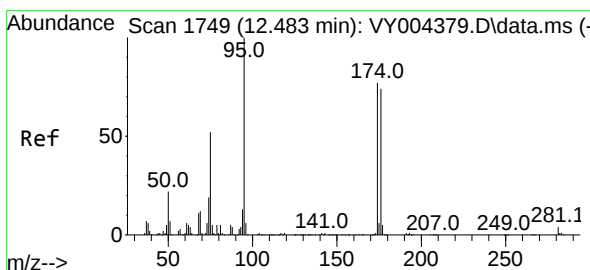
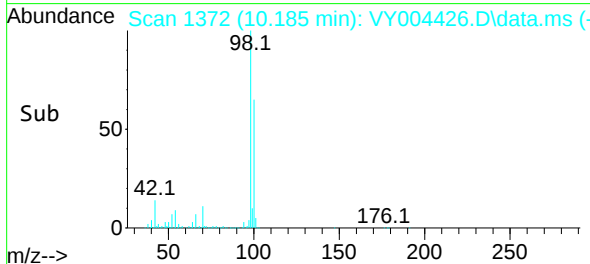
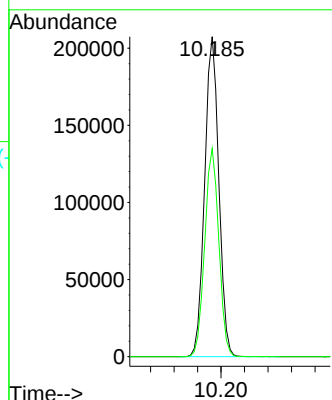
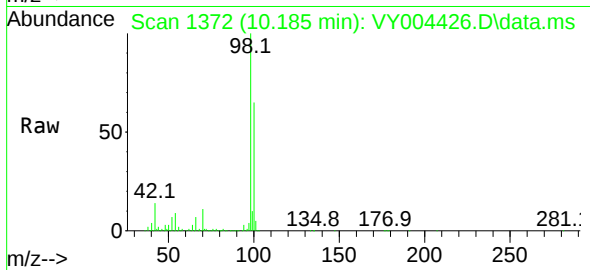




#50  
Toluene-d8  
Concen: 51.79 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

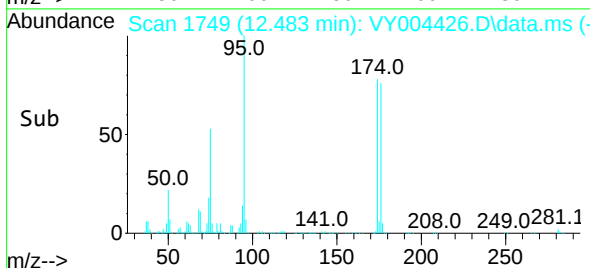
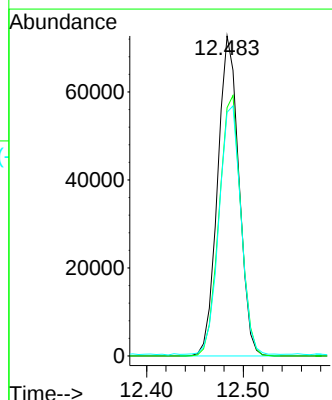
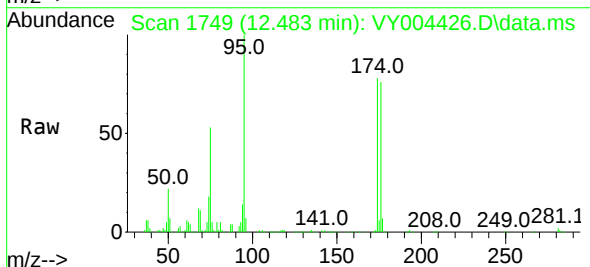
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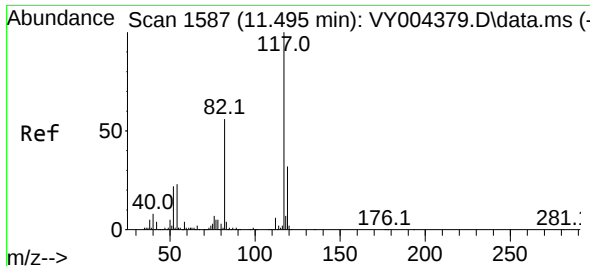
Tgt Ion: 98 Resp: 346646  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 48.80 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

Tgt Ion: 95 Resp: 110826  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 162.4  
176 80.9 0.0 156.0

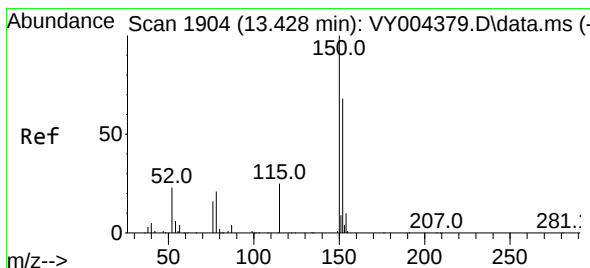
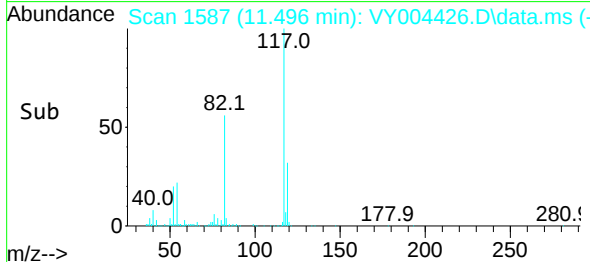
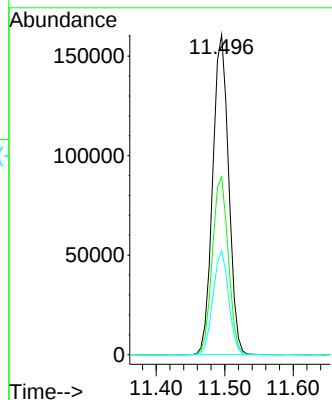
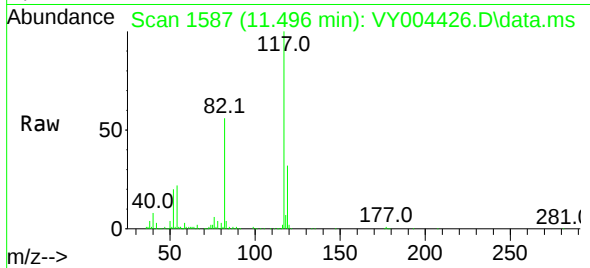




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:117 Resp: 259133  
Ion Ratio Lower Upper  
117 100  
82 55.5 44.9 67.3  
119 32.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004426.D  
Acq: 14 Apr 2021 16:59

Tgt Ion:152 Resp: 105878  
Ion Ratio Lower Upper  
152 100  
115 58.2 29.6 88.8  
150 157.5 0.0 348.4

