

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020321\  
 Data File : VY003967.D  
 Acq On : 03 Feb 2021 18:15  
 Operator : SY/MD  
 Sample : M1291-03  
 Misc : 3.96g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OU421-007-0510

Quant Time: Feb 04 01:21:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 01 00:38:02 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.801  | 168   | 84469    | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 138899   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 133739   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 66211    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 57246    | 61.63    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 123.26%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 45129    | 55.57    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 111.14%  |
| 50) Toluene-d8              | 10.185 | 98    | 171055   | 53.67    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 107.34%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 62807    | 54.06    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 108.12%  |

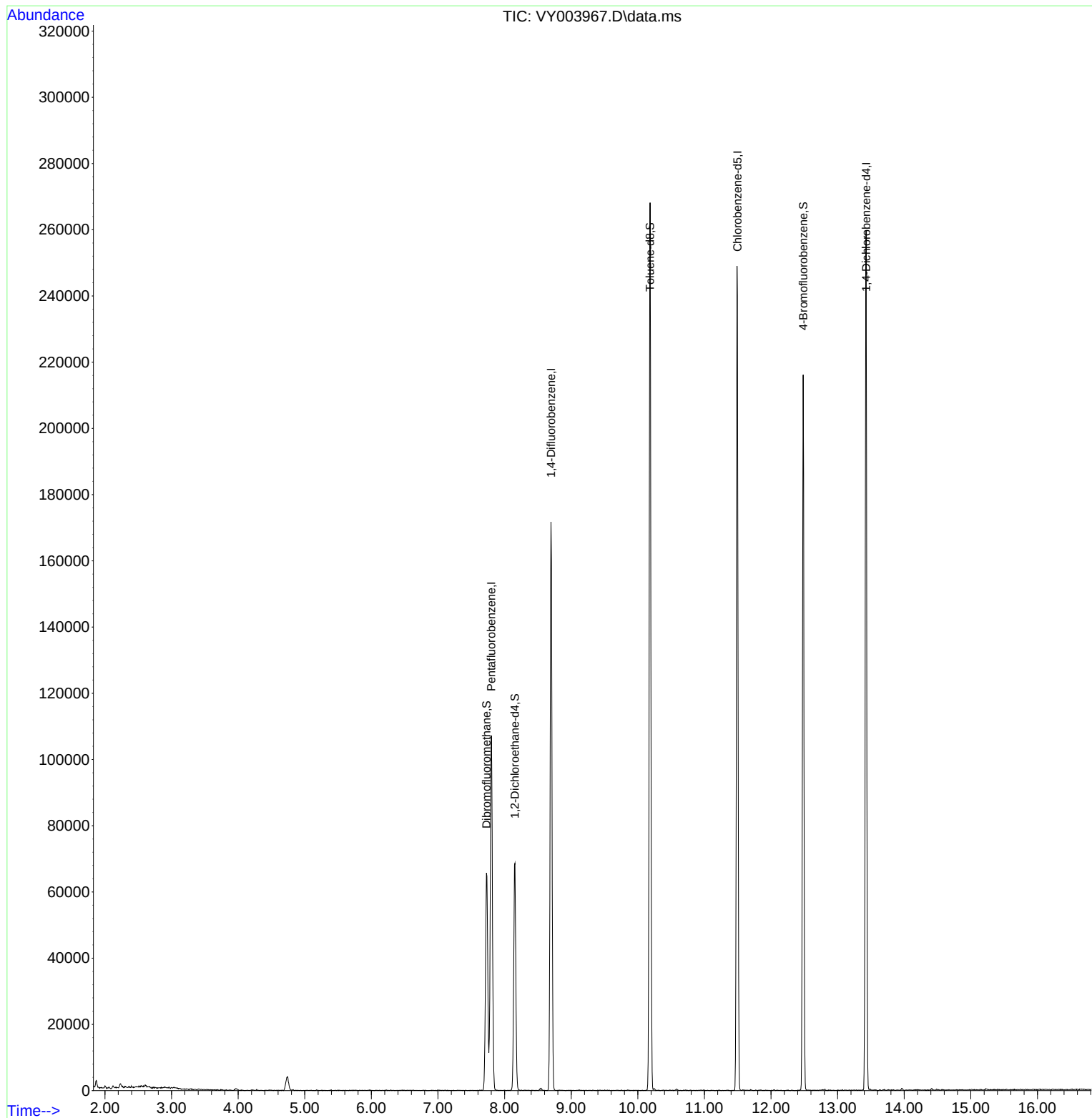
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

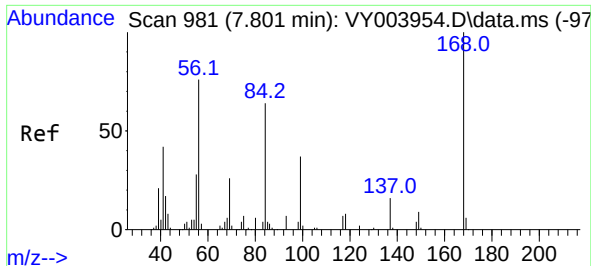
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Feb 01 00:38:02 2021  
Response via : Initial Calibration

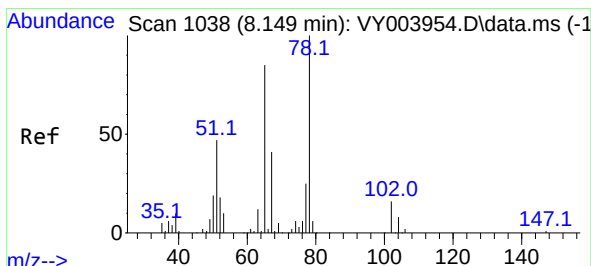
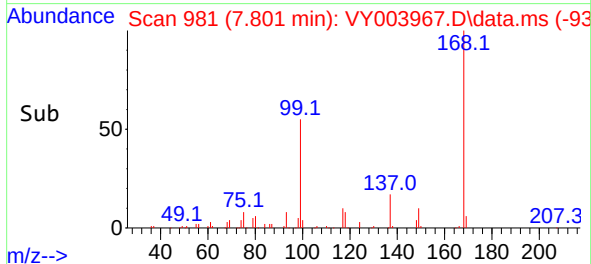
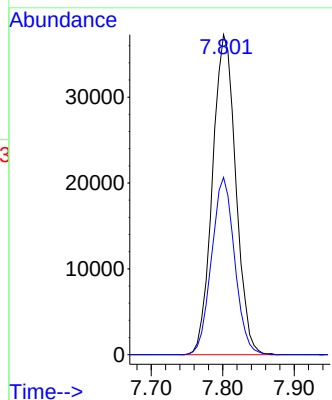
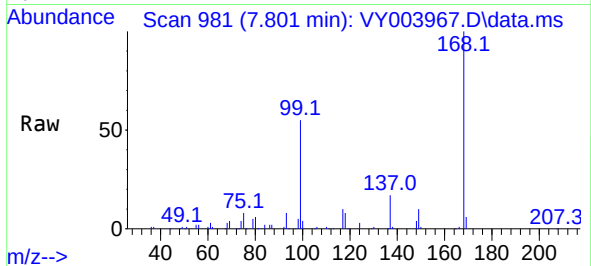




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

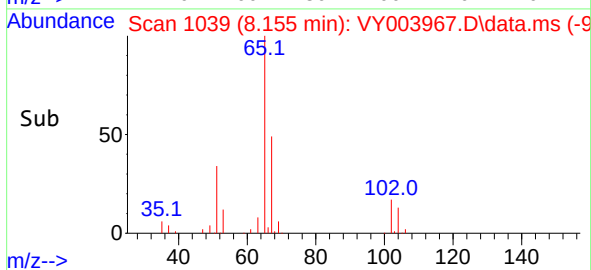
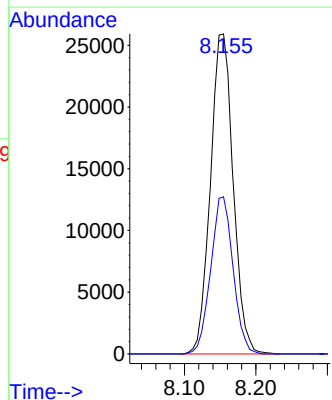
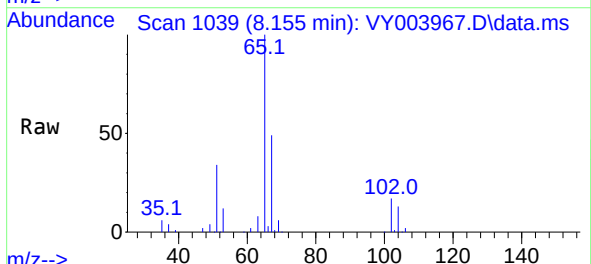
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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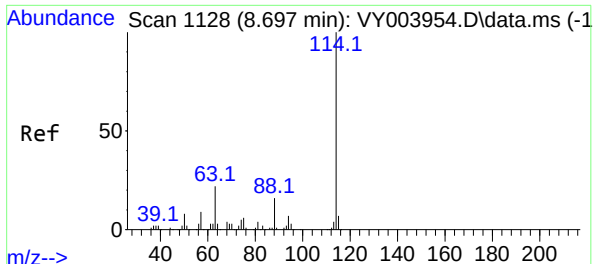
Tgt Ion:168 Resp: 84469  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.1 69.1



#33  
1,2-Dichloroethane-d4  
Concen: 61.63 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

Tgt Ion: 65 Resp: 57246  
Ion Ratio Lower Upper  
65 100  
67 48.3 0.0 101.8

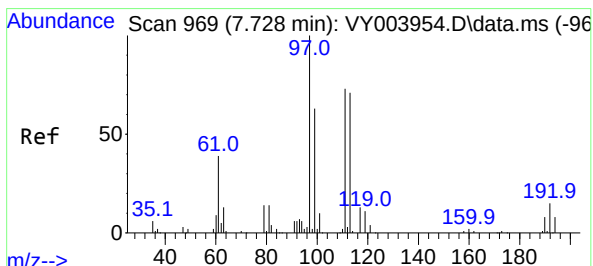
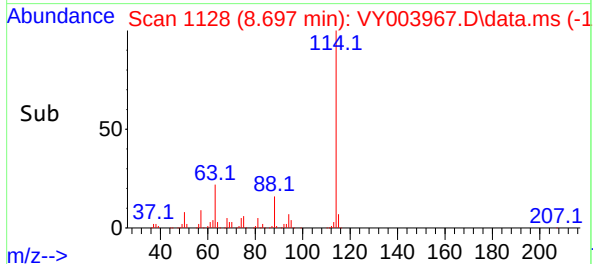
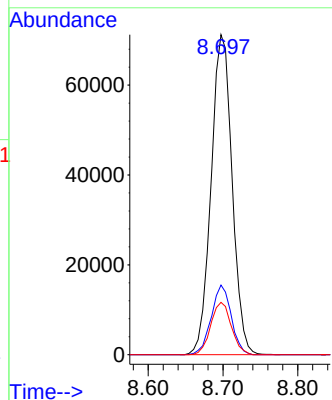
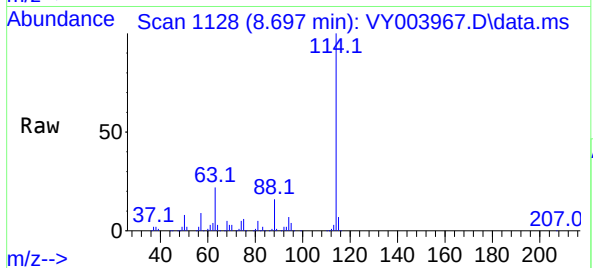




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

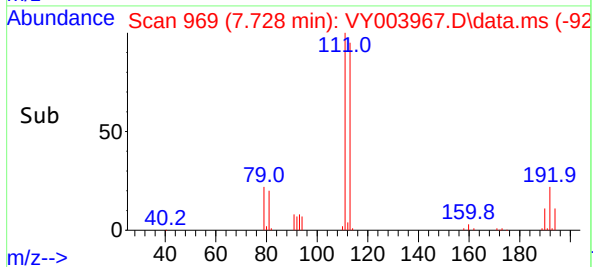
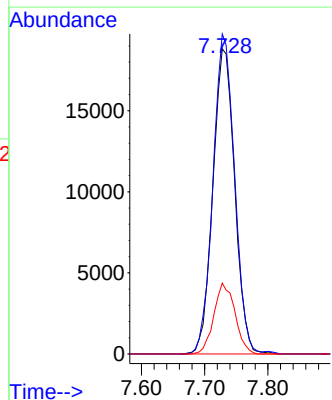
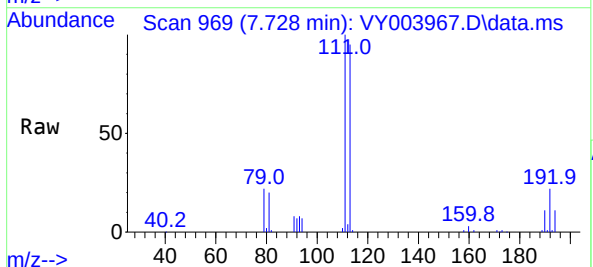
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OU421-007-0510

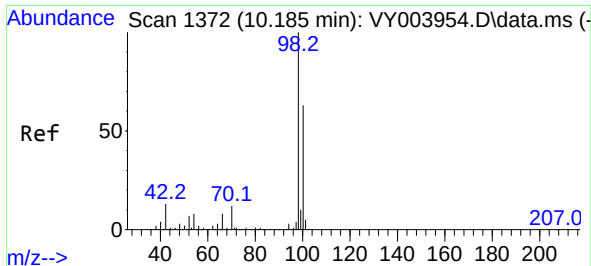
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 138899 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.8  | 0.0   | 47.2   |
| 88       | 16.3  | 0.0   | 30.2   |



#35  
Dibromofluoromethane  
Concen: 55.57 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 45129 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.7 | 82.2  | 123.4 |
| 192      | 22.4  | 18.3  | 27.5  |

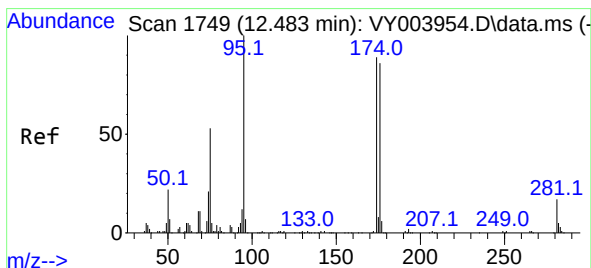
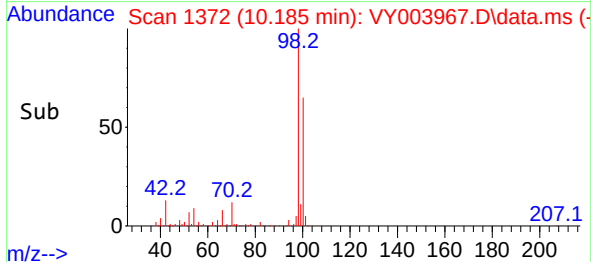
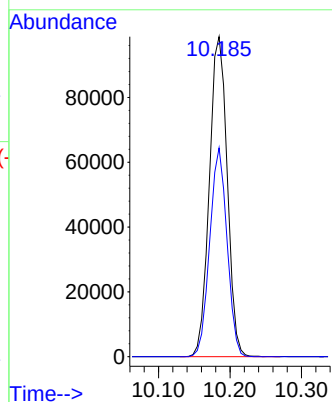
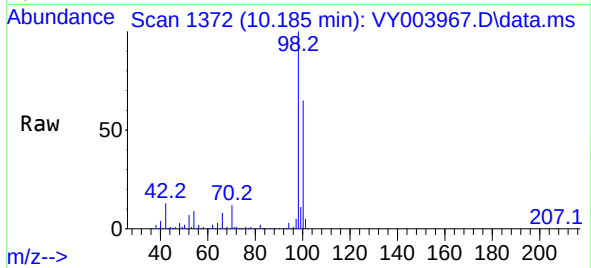




#50  
Toluene-d8  
Concen: 53.67 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

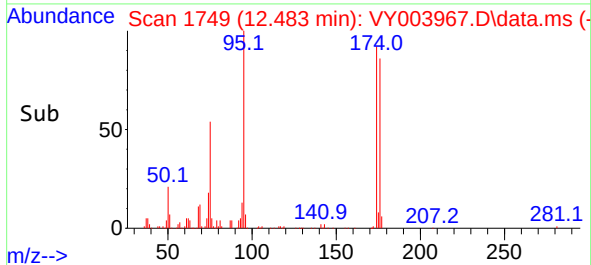
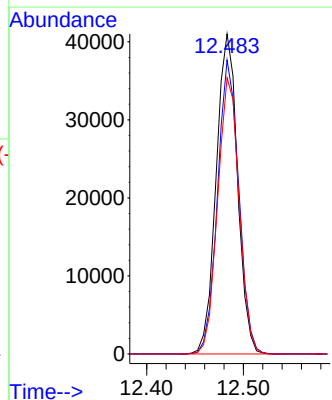
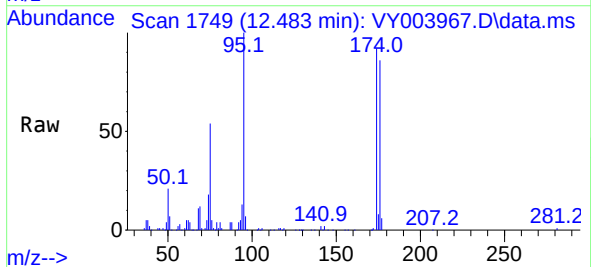
Instrument :  
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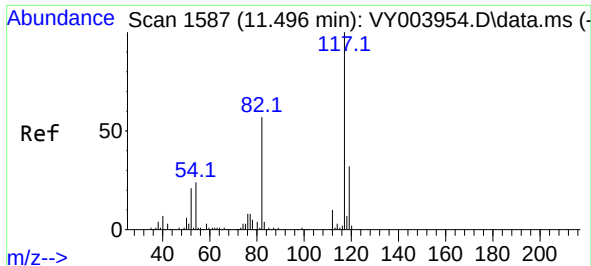
Tgt Ion: 98 Resp: 171055  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 54.06 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

Tgt Ion: 95 Resp: 62807  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 184.4  
176 86.5 0.0 177.2

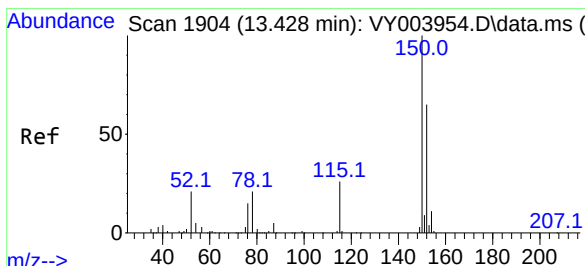
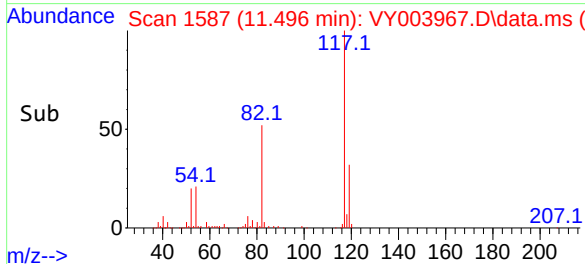
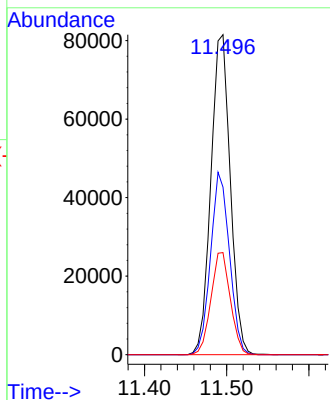
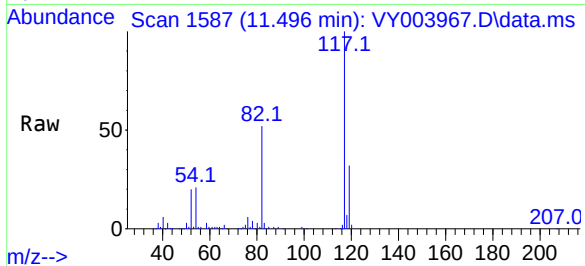




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.001 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

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MSVOA\_Y  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 133739 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 52.3  | 44.3  | 66.5   |
| 119      | 31.9  | 25.0  | 37.6   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY003967.D  
Acq: 03 Feb 2021 18:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 66211 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.5  | 28.2  | 84.6  |
| 150      | 155.5 | 0.0   | 356.2 |

