

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082021\  
 Data File : VY005785.D  
 Acq On : 20 Aug 2021 11:47  
 Operator : SY/MD  
 Sample : VY0820SBL01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0820SBL01

Quant Time: Aug 23 01:05:28 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 201116   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 341845   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 344394   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 170370   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 122839   | 60.340   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.680% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 102496   | 53.553   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.100% |
| 50) Toluene-d8              | 10.179 | 98    | 438139   | 54.585   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.160% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 147641   | 55.544   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 111.080% |

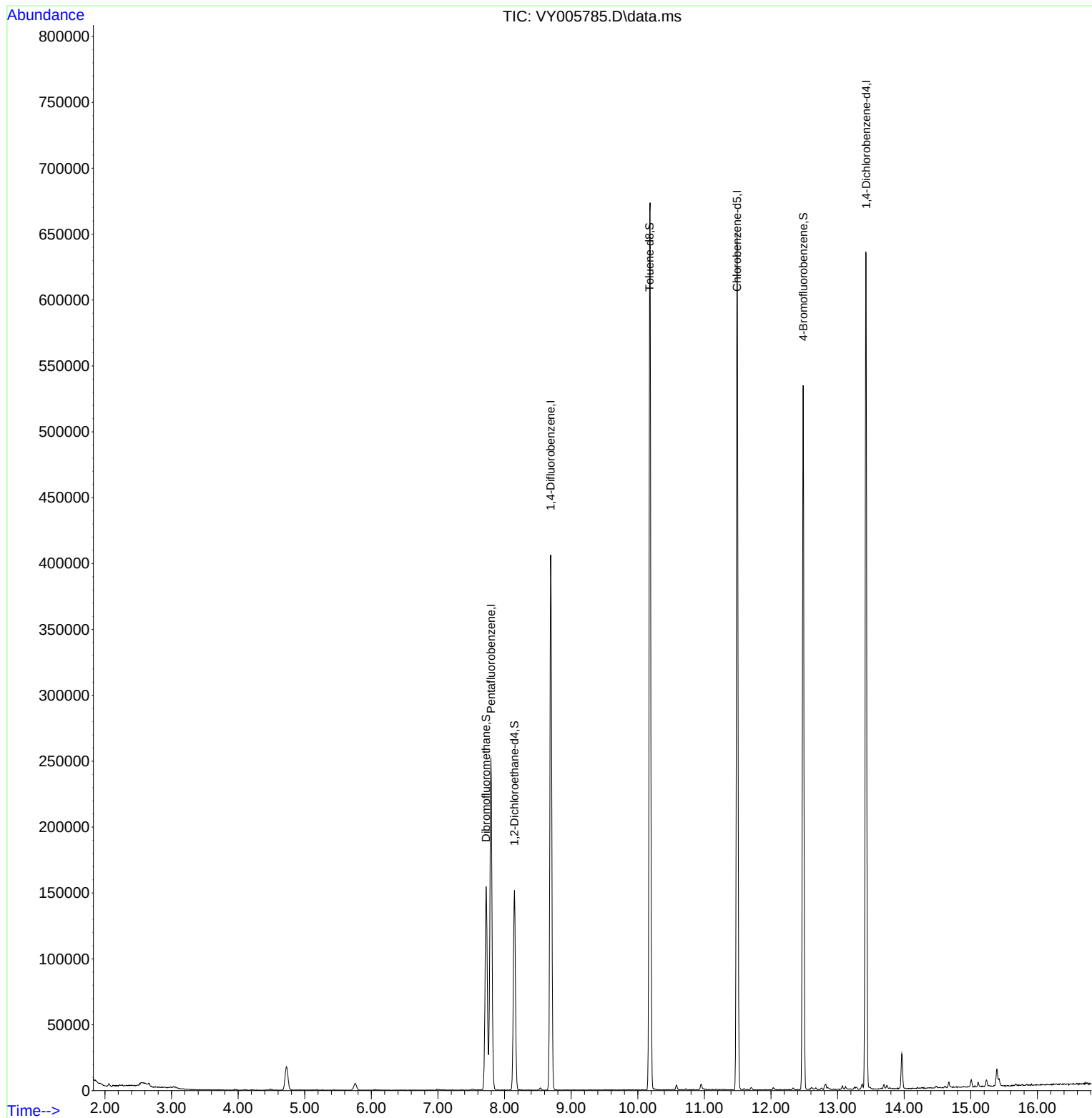
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

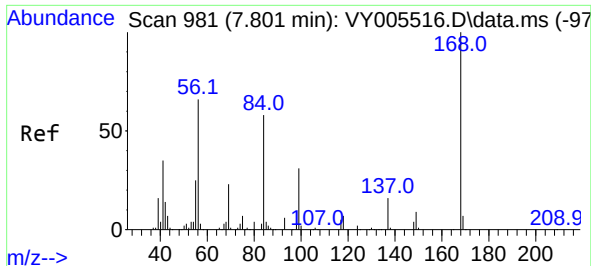
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

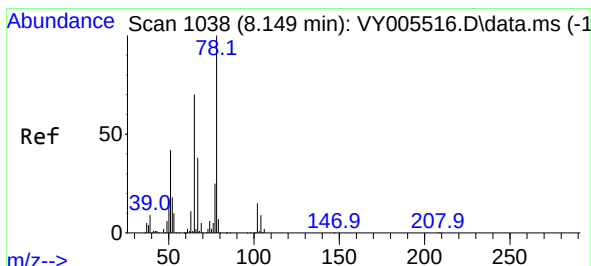
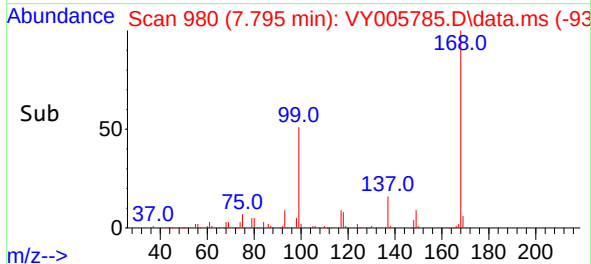
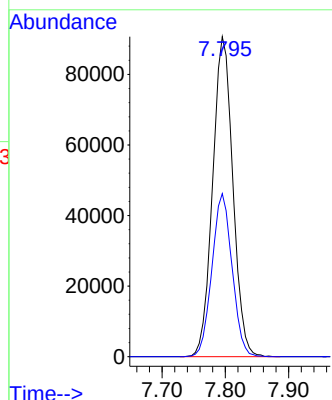
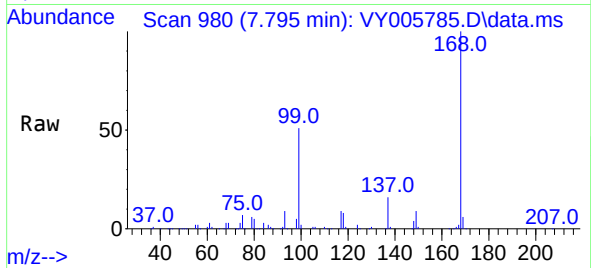




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

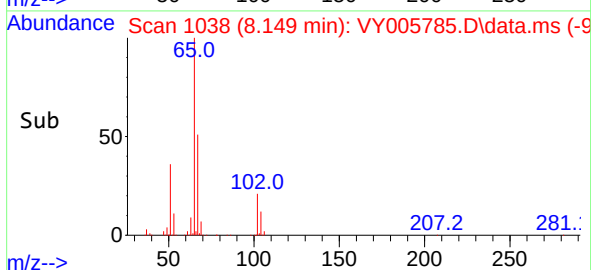
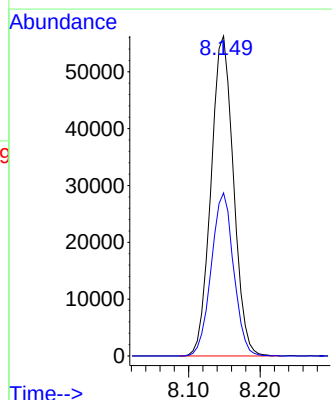
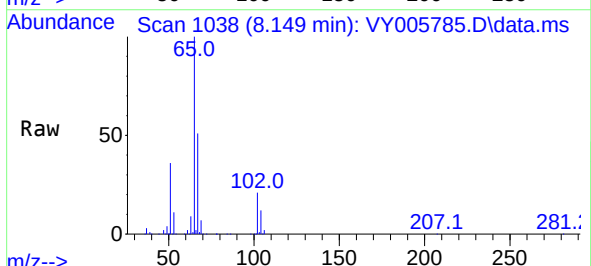
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0820SBL01

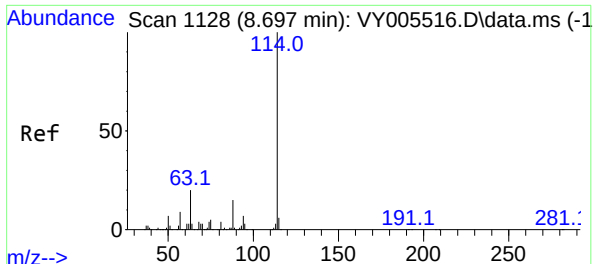
Tgt Ion:168 Resp: 201116  
Ion Ratio Lower Upper  
168 100  
99 50.9 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.340 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

Tgt Ion: 65 Resp: 122839  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.4

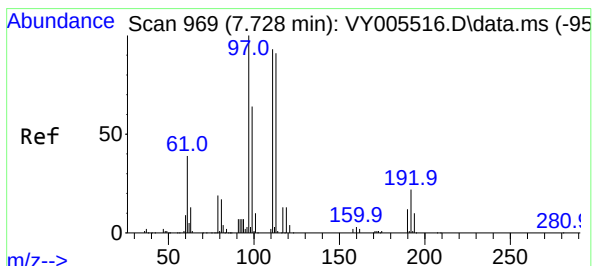
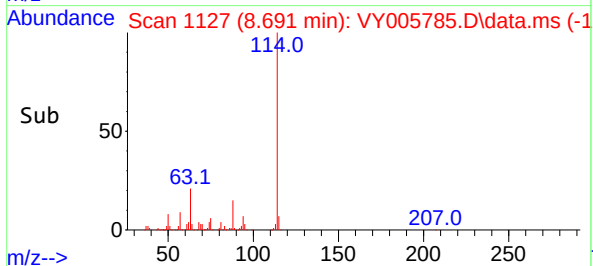
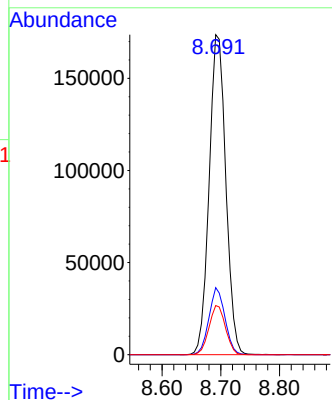
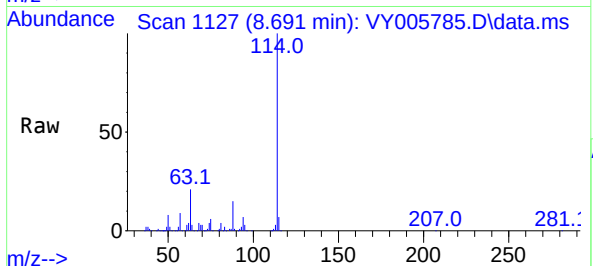




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

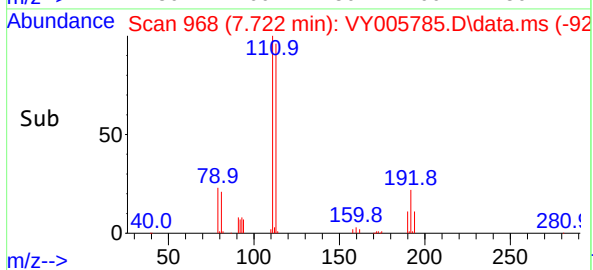
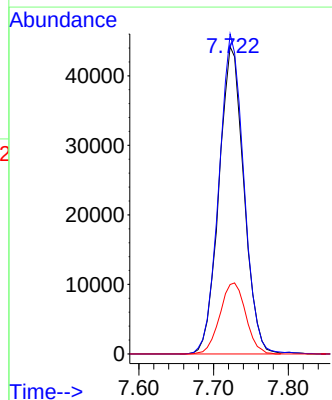
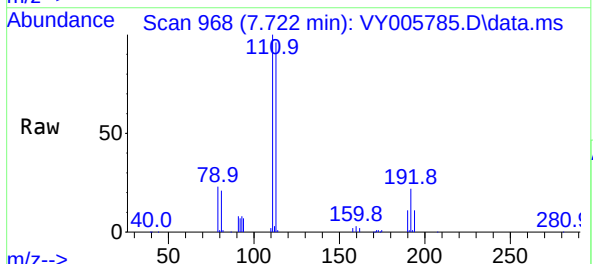
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0820SBL01

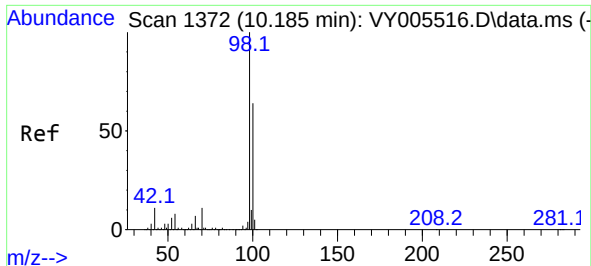
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 341845 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 21.0  | 0.0   | 39.2   |
| 88        | 15.3  | 0.0   | 30.8   |



#35  
Dibromofluoromethane  
Concen: 53.553 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 102496 |
| Ion Ratio | Lower | Upper |        |
| 113       | 100   |       |        |
| 111       | 103.9 | 81.9  | 122.9  |
| 192       | 23.9  | 19.2  | 28.8   |

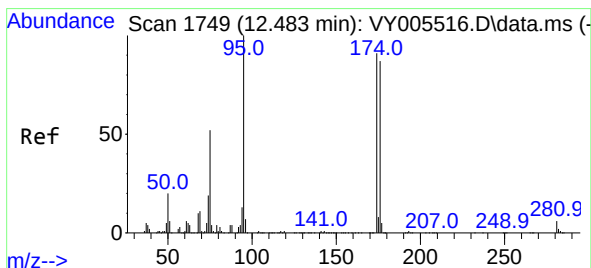
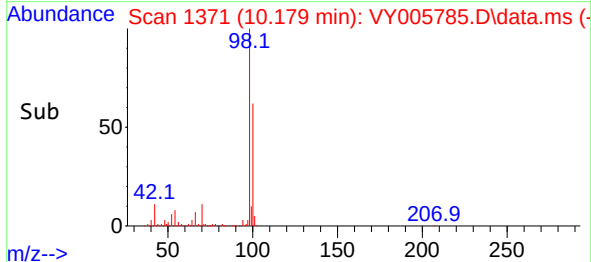
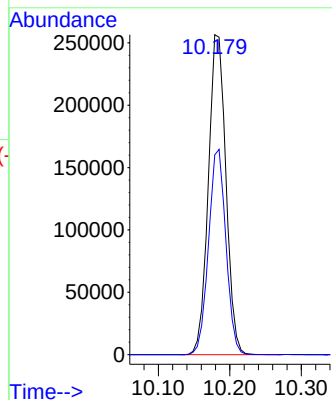
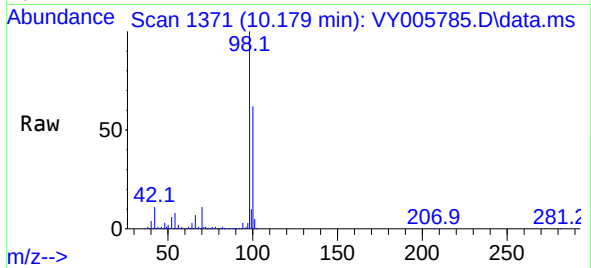




#50  
Toluene-d8  
Concen: 54.585 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

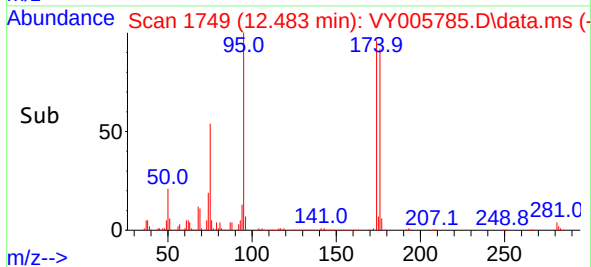
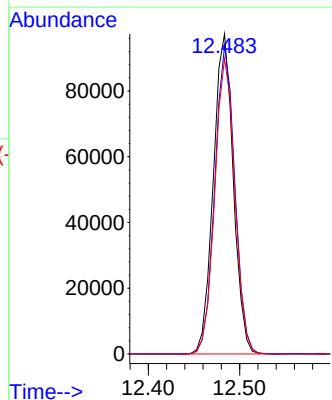
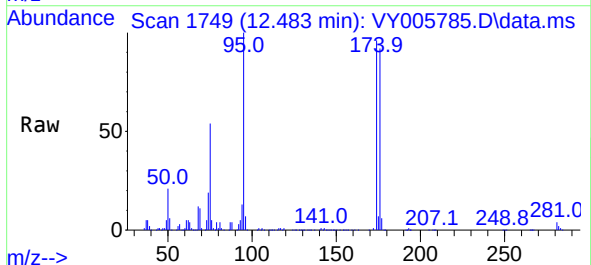
Instrument :  
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ClientSampleId :  
VY0820SBL01

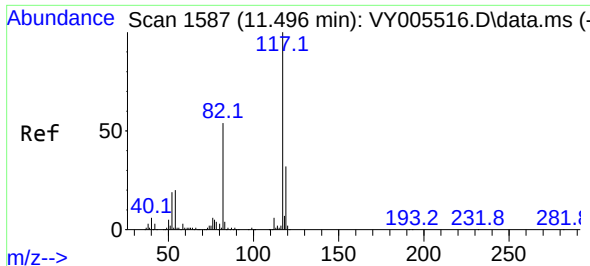
Tgt Ion: 98 Resp: 438139  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 55.544 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

Tgt Ion: 95 Resp: 147641  
Ion Ratio Lower Upper  
95 100  
174 96.5 0.0 191.4  
176 93.0 0.0 183.6

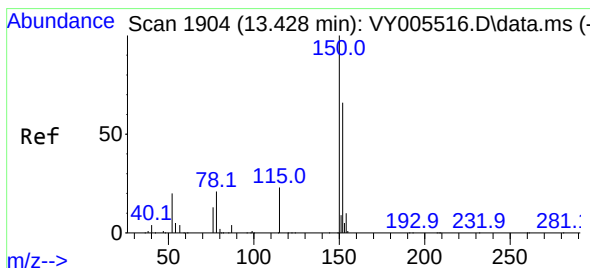
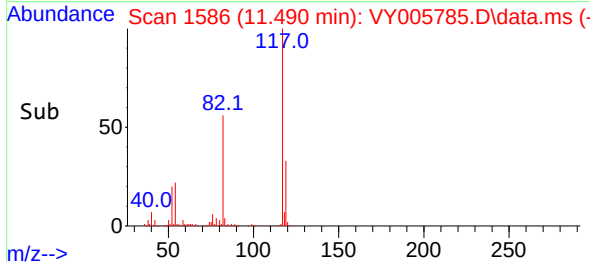
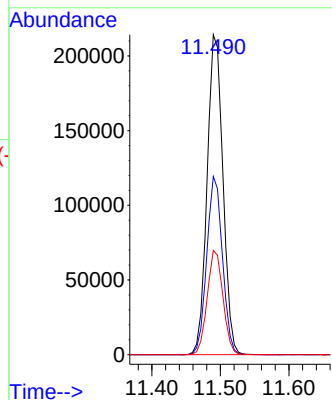
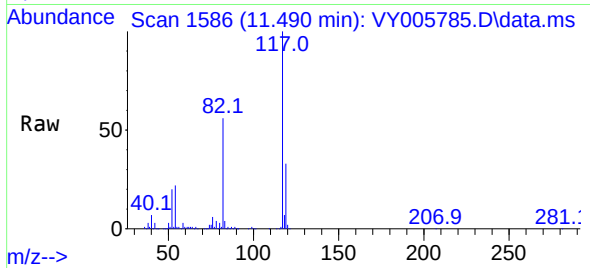




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0820SBL01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 344394 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.7  | 43.5  | 65.3   |
| 119      | 32.6  | 25.5  | 38.3   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY005785.D  
Acq: 20 Aug 2021 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 170370 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 53.4  | 27.3  | 81.9   |
| 150      | 156.4 | 0.0   | 350.2  |

