

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082621\  
 Data File : VY005857.D  
 Acq On : 26 Aug 2021 13:46  
 Operator : SY/MD  
 Sample : M3545-03  
 Misc : 5.07G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 NCS-COMP-2

Quant Time: Aug 27 03:25:38 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      | 7.801  | 168  | 190707   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 328982   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 340931   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 172188   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 116762   | 60.485   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.960% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 98611    | 53.538   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 107.080% |
| 50) Toluene-d8              | 10.185 | 98    | 428067   | 55.415   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 110.820% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 147970   | 57.845   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 115.680% |

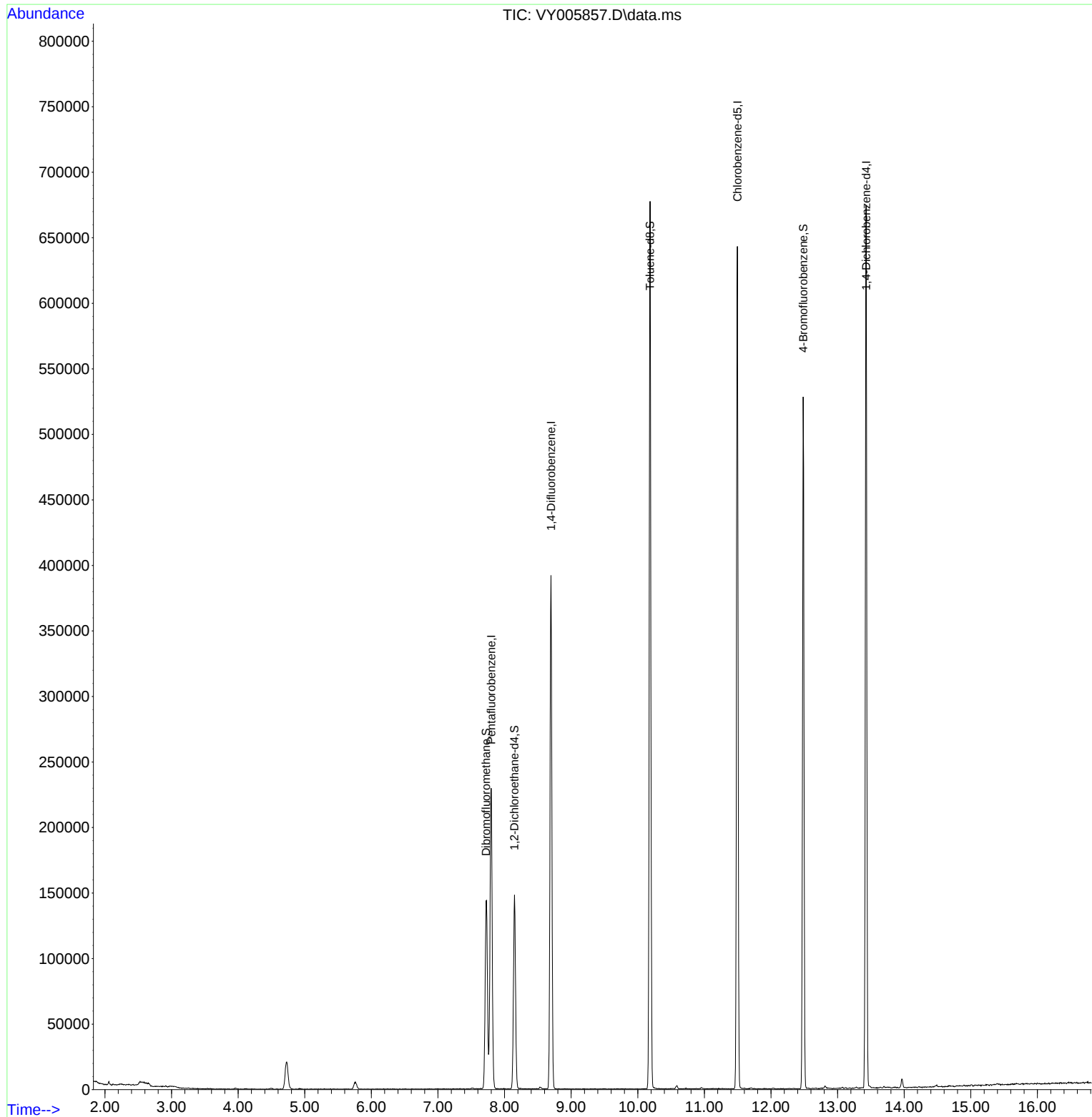
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

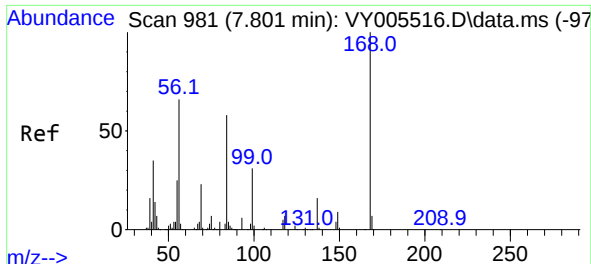
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

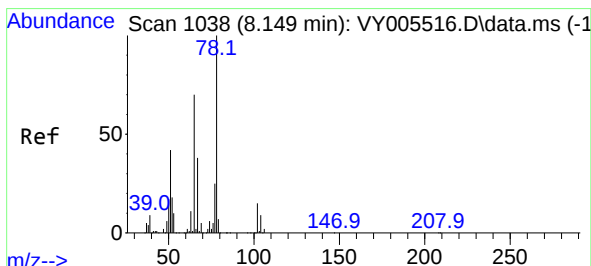
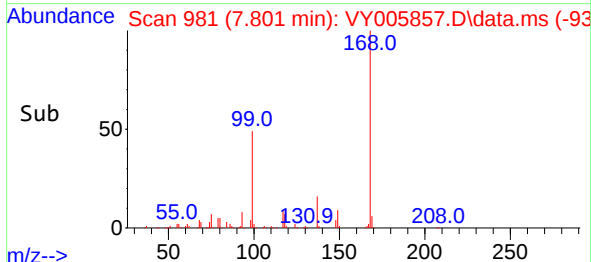
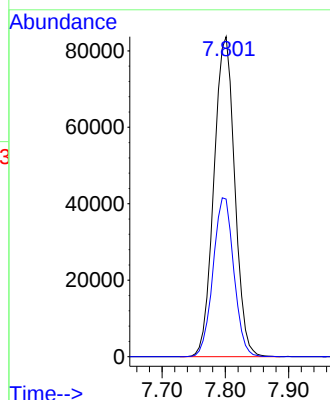
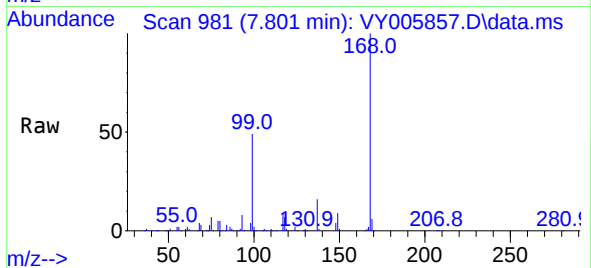




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

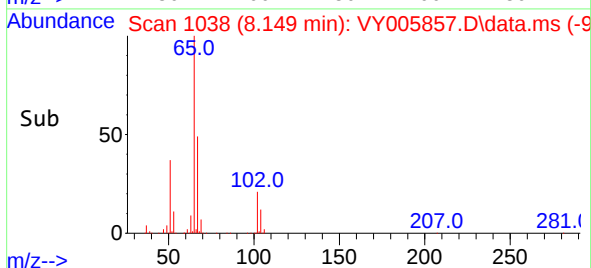
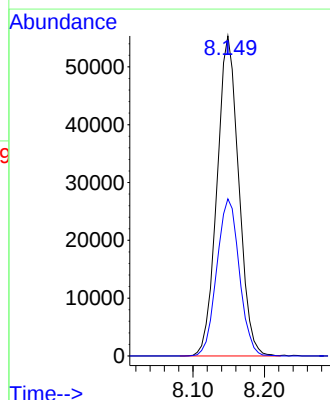
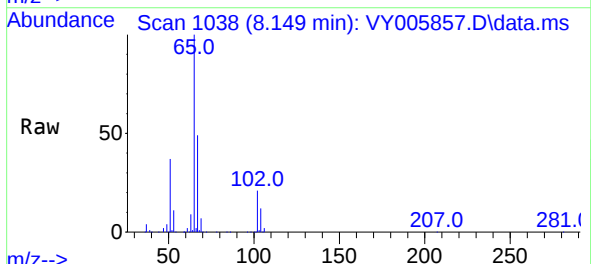
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NCS-COMP-2

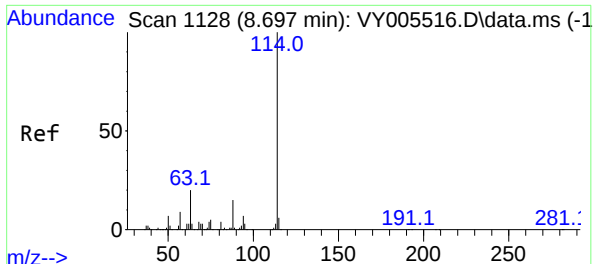
Tgt Ion:168 Resp: 190707  
Ion Ratio Lower Upper  
168 100  
99 49.2 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.485 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

Tgt Ion: 65 Resp: 116762  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 103.4



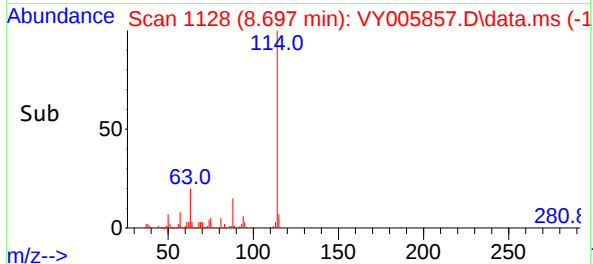
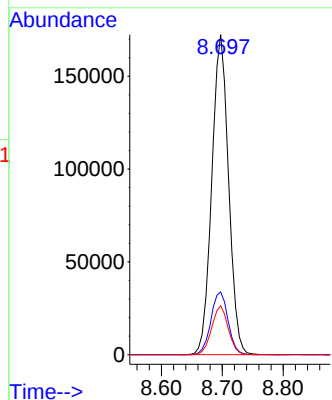
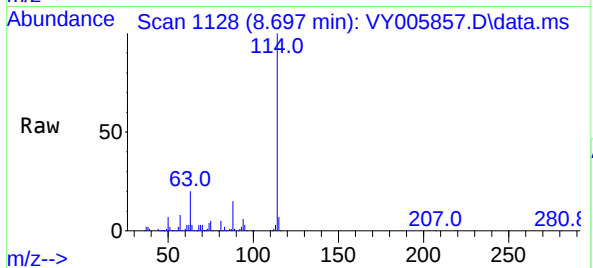


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NCS-COMP-2

Tgt Ion:114 Resp: 328982

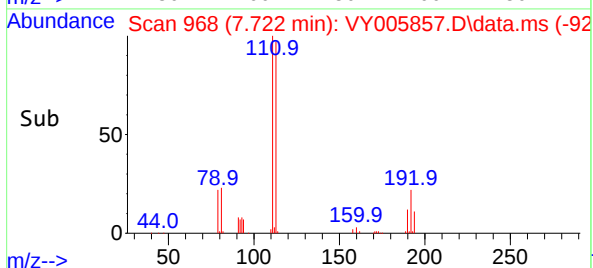
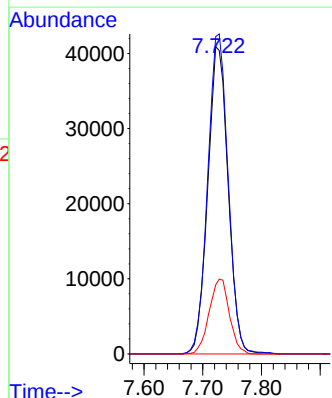
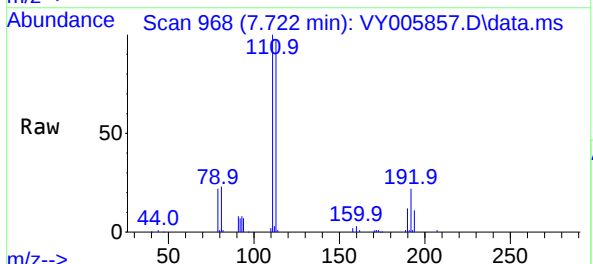
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.6  | 0.0   | 39.2  |
| 88  | 15.3  | 0.0   | 30.8  |



#35  
Dibromofluoromethane  
Concen: 53.538 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

Tgt Ion:113 Resp: 98611

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.3 | 81.9  | 122.9 |
| 192 | 24.2  | 19.2  | 28.8  |

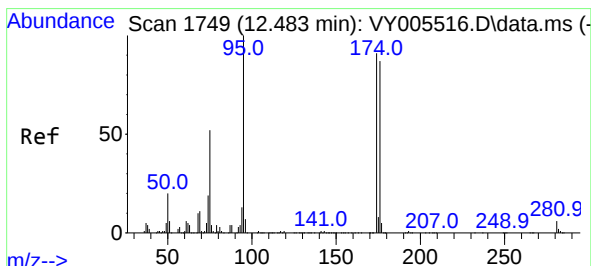
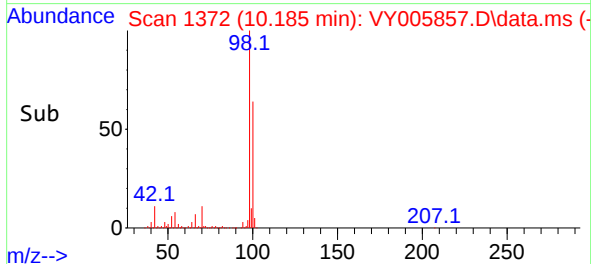
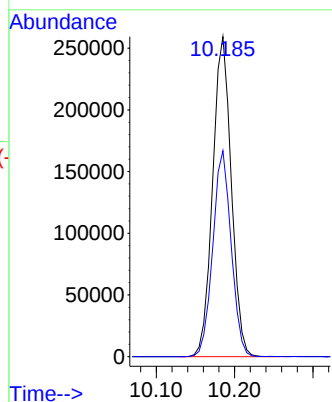
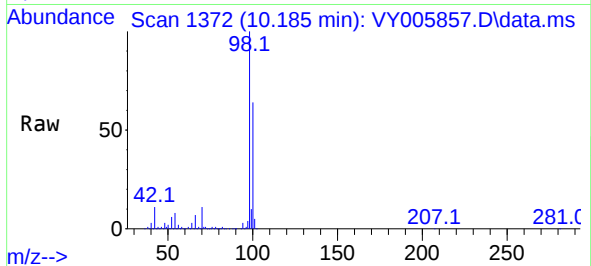




#50  
Toluene-d8  
Concen: 55.415 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

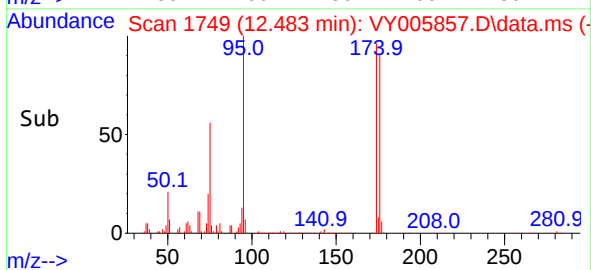
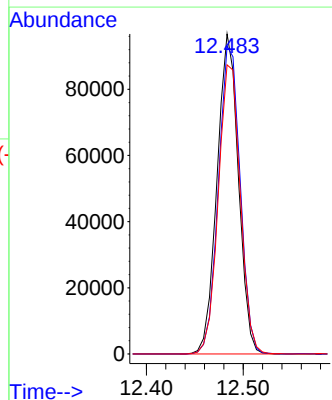
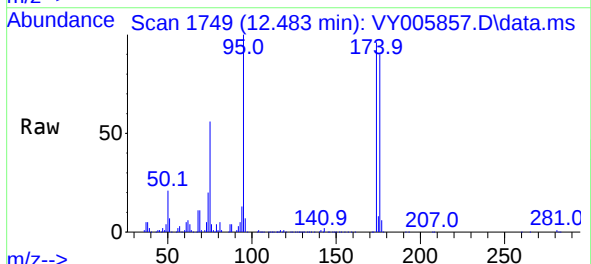
Instrument :  
MSVOA\_Y  
ClientSampleId :  
NCS-COMP-2

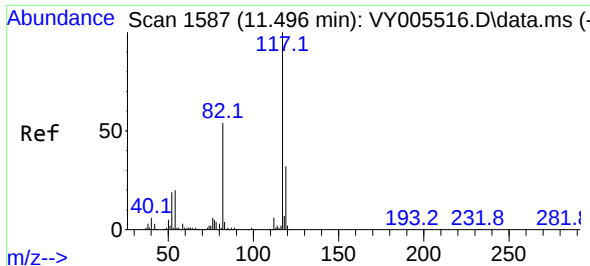
Tgt Ion: 98 Resp: 428067  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 57.845 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

Tgt Ion: 95 Resp: 147970  
Ion Ratio Lower Upper  
95 100  
174 98.0 0.0 191.4  
176 93.1 0.0 183.6



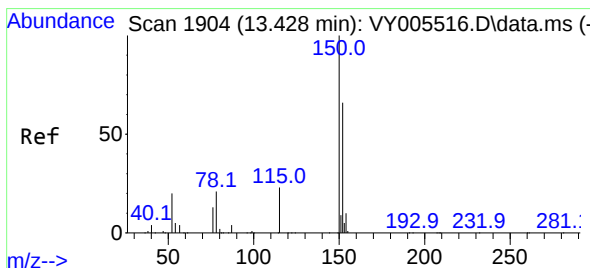
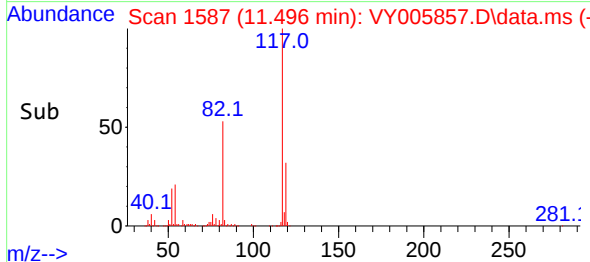
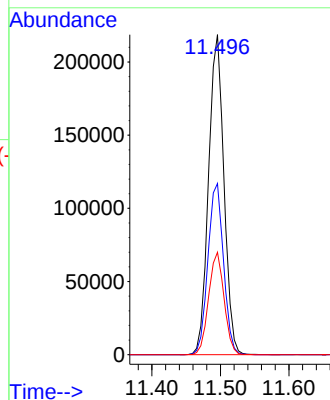
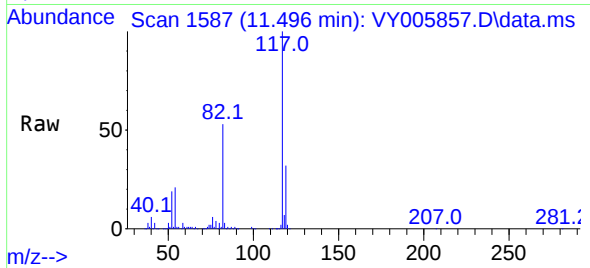


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY005857.D  
Acq: 26 Aug 2021 13:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
NCS-COMP-2

Tgt Ion:117 Resp: 340931

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 53.5  | 43.5  | 65.3  |
| 119 | 32.0  | 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: VY005857.D  
Acq: 26 Aug 2021 13:46

Tgt Ion:152 Resp: 172188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 54.2  | 27.3  | 81.9  |
| 150 | 156.9 | 0.0   | 350.2 |

