

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021221\  
 Data File : VN065860.D  
 Acq On : 13 Feb 2021 00:32  
 Operator : JC/MD  
 Sample : M1398-04MEDL 10X  
 Misc : 3.44g/5.0mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VCP-SS-4-SOILMEDL

Quant Time: Feb 13 03:39:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

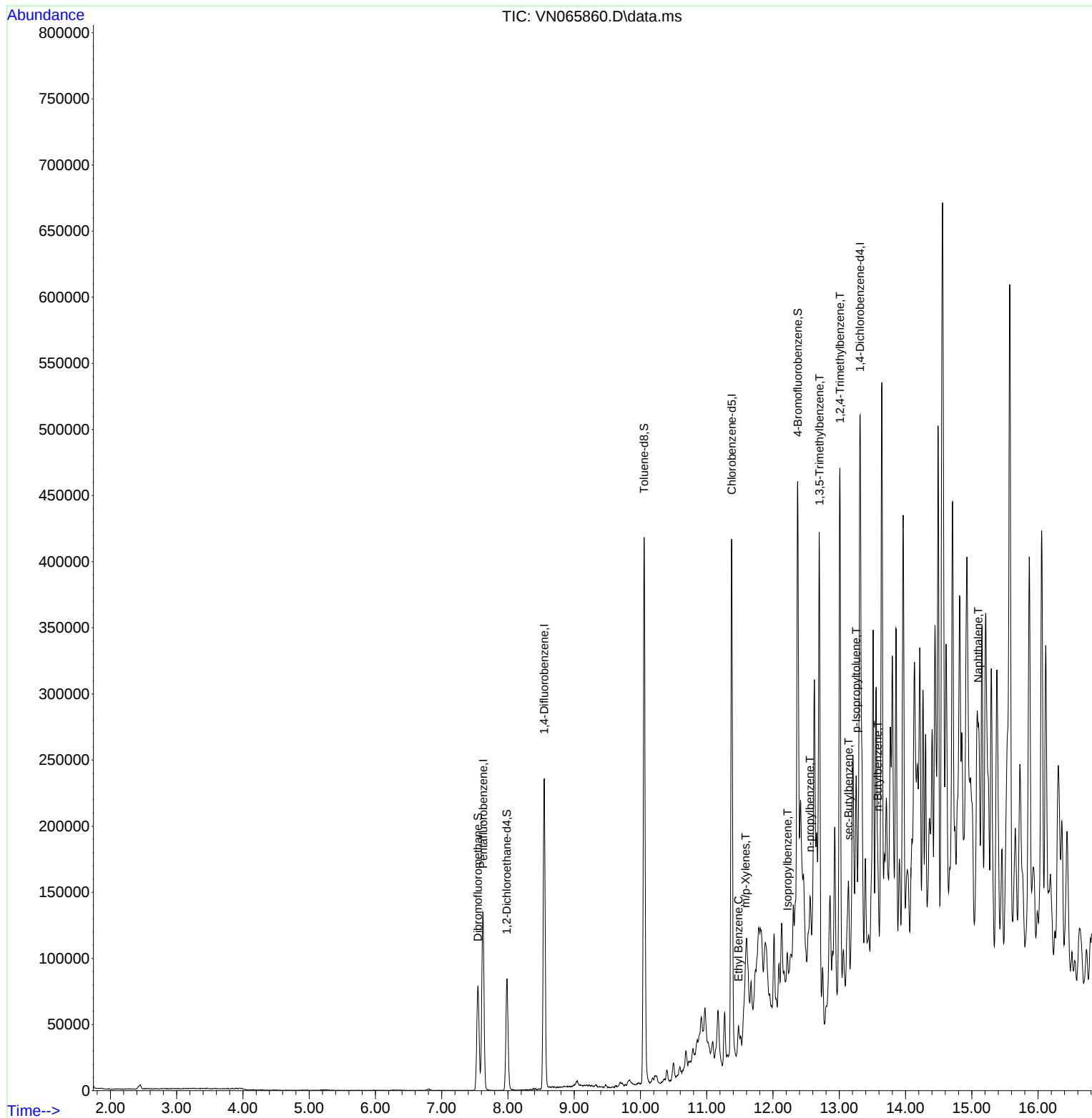
| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 7.624          | 168  | 116078             | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.547          | 114  | 226435             | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.376         | 117  | 241747             | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.312         | 152  | 109068             | 50.00 | ug/l   | 0.00     |
|                             |                |      |                    |       |        |          |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.984          | 65   | 68913              | 45.13 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery = 90.26%  |       |        |          |
| 35) Dibromofluoromethane    | 7.547          | 113  | 65308              | 48.67 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery = 97.34%  |       |        |          |
| 50) Toluene-d8              | 10.055         | 98   | 297472             | 56.40 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery = 112.80% |       |        |          |
| 62) 4-Bromofluorobenzene    | 12.373         | 95   | 123193             | 64.86 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery = 129.72% |       |        |          |
|                             |                |      |                    |       |        |          |
| Target Compounds            |                |      |                    |       |        | Qvalue   |
| 67) Ethyl Benzene           | 11.479         | 91   | 16892              | 1.78  | ug/l # | 88       |
| 68) m/p-Xylenes             | 11.589         | 106  | 17792              | 5.17  | ug/l   | 86       |
| 73) Isopropylbenzene        | 12.219         | 105  | 16270              | 1.70  | ug/l # | 68       |
| 78) n-propylbenzene         | 12.560         | 91   | 48412              | 4.30  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.701         | 105  | 53464              | 6.58  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene  | 13.010         | 105  | 227885             | 28.10 | ug/l   | 100      |
| 85) sec-Butylbenzene        | 13.142         | 105  | 38079              | 4.16  | ug/l   | 89       |
| 86) p-Isopropyltoluene      | 13.257         | 119  | 21983              | 2.72  | ug/l   | 98       |
| 89) n-Butylbenzene          | 13.582         | 91   | 33843              | 4.66  | ug/l # | 74       |
| 95) Naphthalene             | 15.097         | 128  | 41908              | 8.97  | ug/l # | 77       |
| -----                       |                |      |                    |       |        |          |

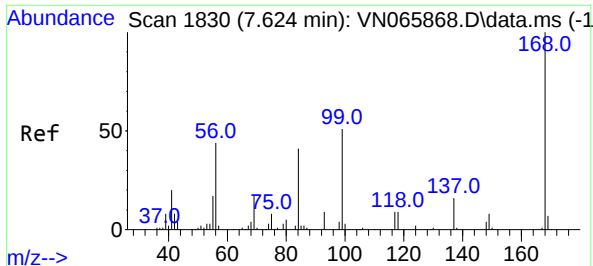
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021221\  
Data File : VN065860.D  
Acq On : 13 Feb 2021 00:32  
Operator : JC/MD  
Sample : M1398-04MEDL 10X  
Misc : 3.44g/5.0mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

Quant Time: Feb 13 03:39:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 25 13:47:28 2021  
Response via : Initial Calibration

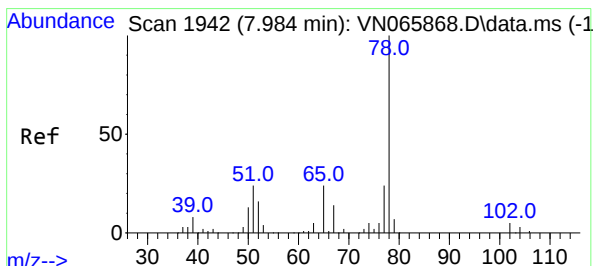
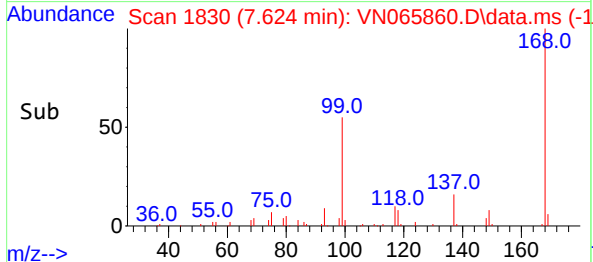
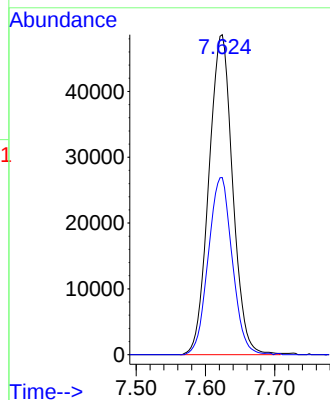
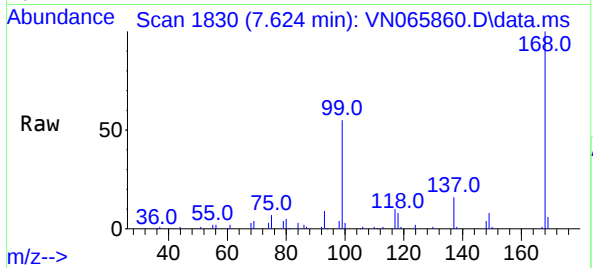




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

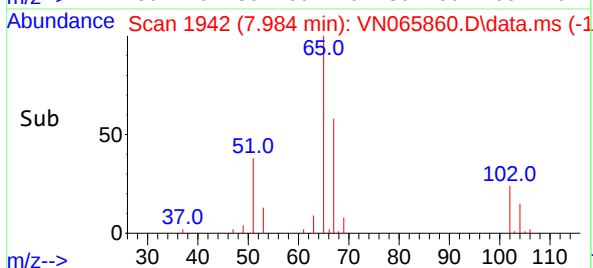
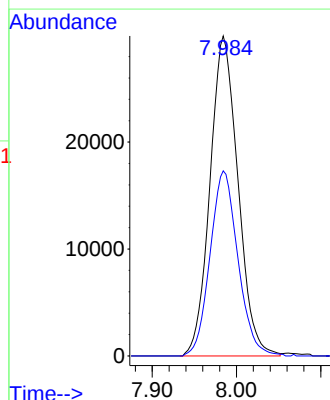
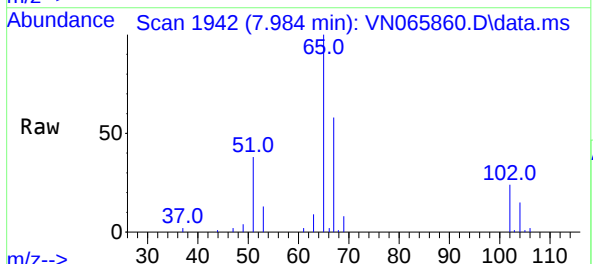
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

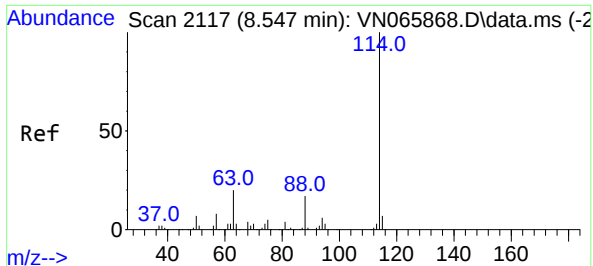
Tgt Ion:168 Resp: 116078  
Ion Ratio Lower Upper  
168 100  
99 55.4 42.6 63.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.13 ug/l  
RT: 7.984 min Scan# 1942  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion: 65 Resp: 68913  
Ion Ratio Lower Upper  
65 100  
67 57.7 0.0 107.2



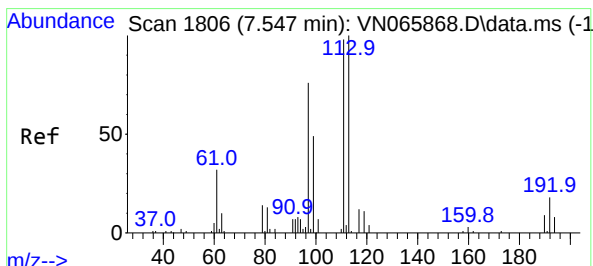
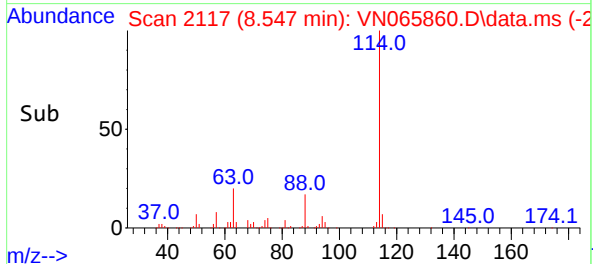
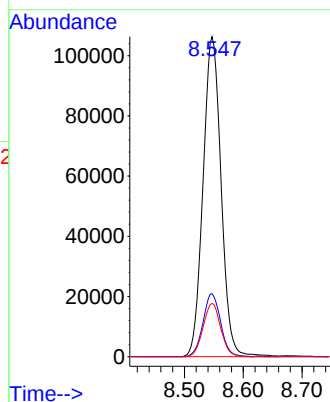
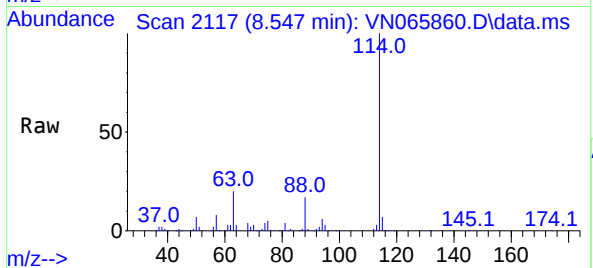


#34

1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

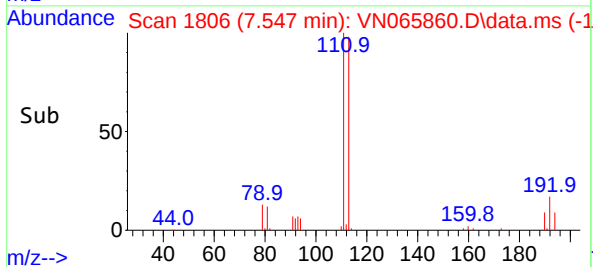
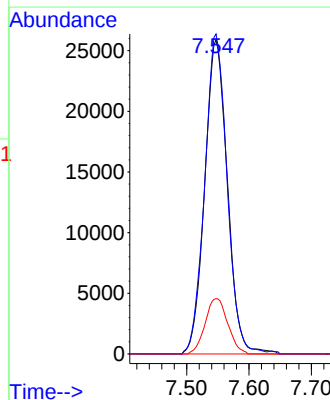
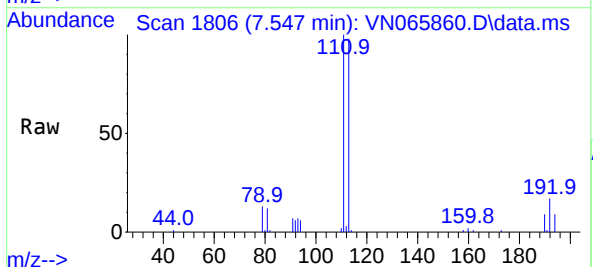
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 226435 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.7  | 0.0   | 38.6   |
| 88       | 16.7  | 0.0   | 30.6   |

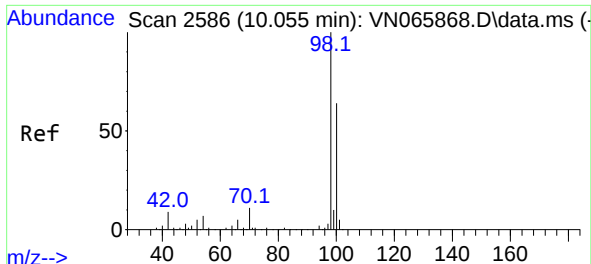


#35

Dibromofluoromethane  
Concen: 48.67 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 65308 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.8 | 82.2  | 123.2 |
| 192      | 17.6  | 15.4  | 23.0  |

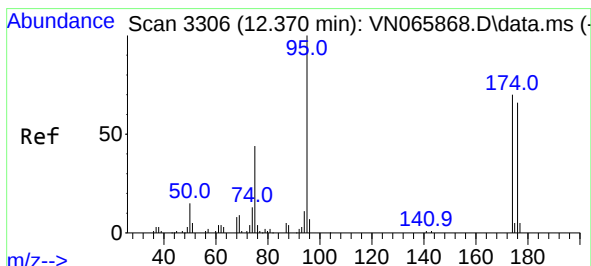
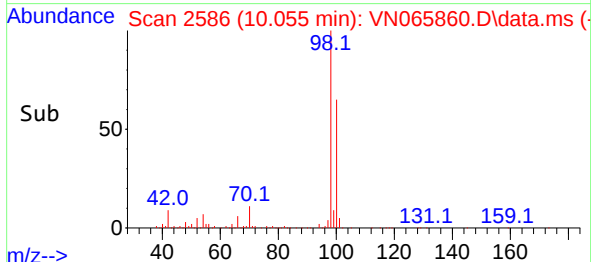
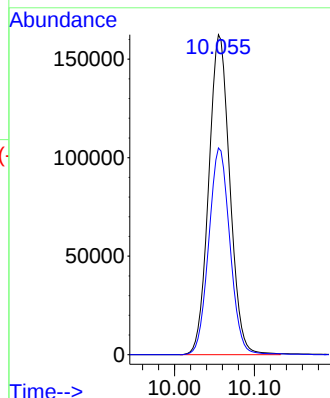
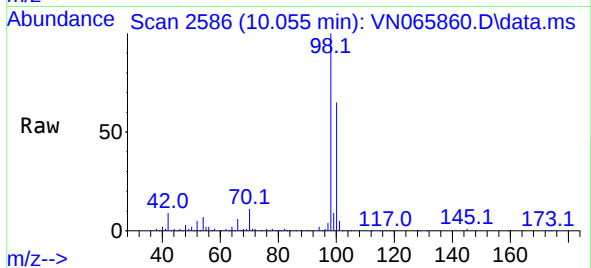




#50  
Toluene-d8  
Concen: 56.40 ug/l  
RT: 10.055 min Scan# 2586  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

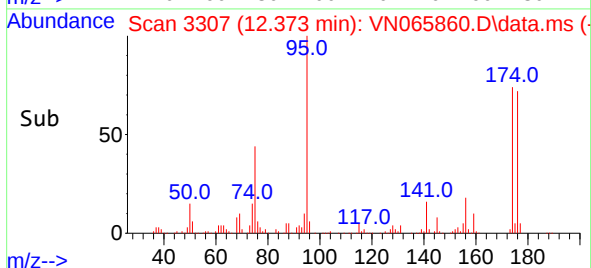
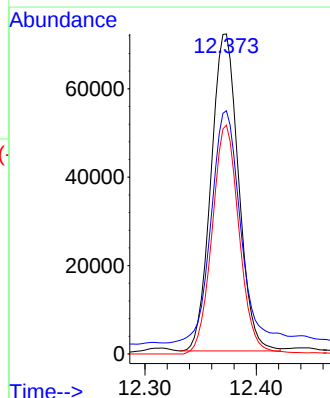
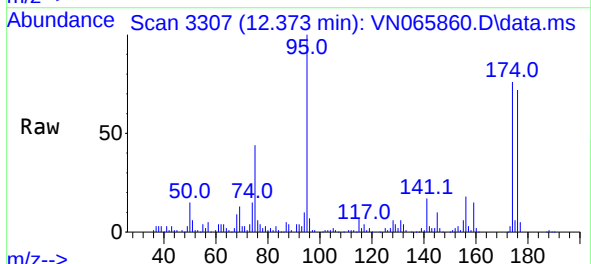
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

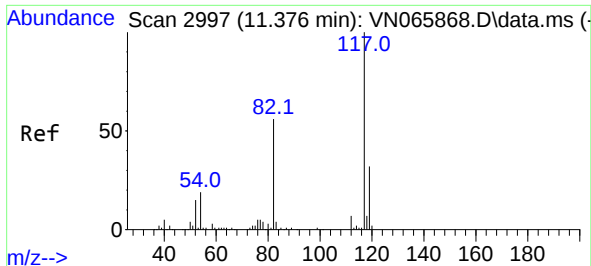
Tgt Ion: 98 Resp: 297472  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 64.86 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion: 95 Resp: 123193  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 169.0  
176 71.2 0.0 162.4

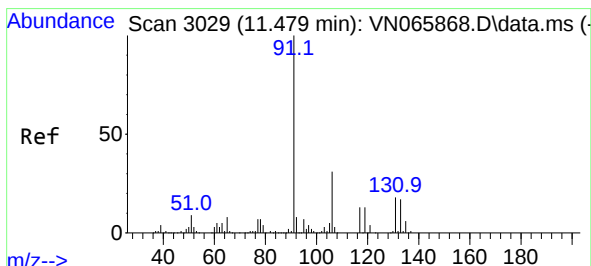
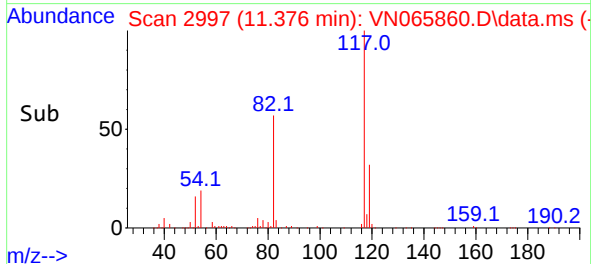
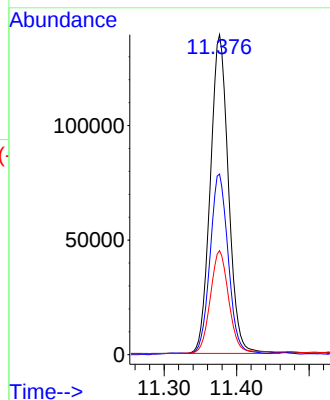
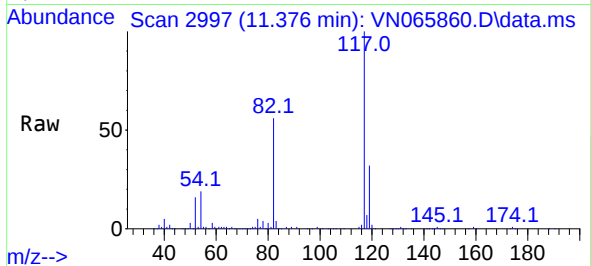




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

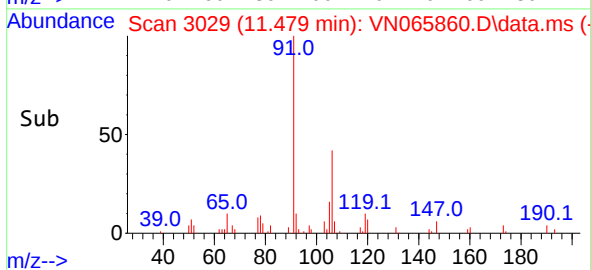
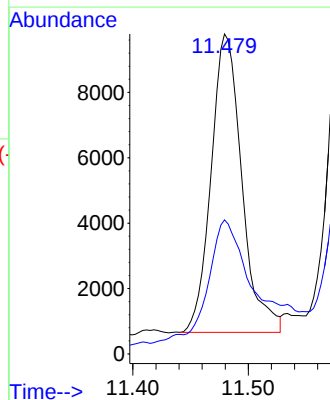
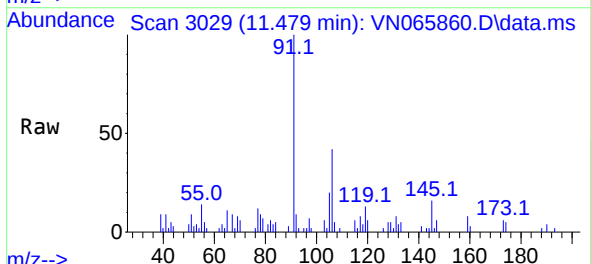
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

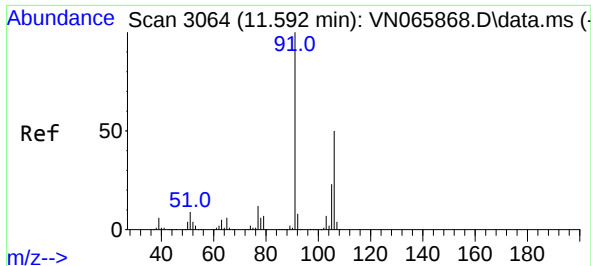
Tgt Ion:117 Resp: 241747  
Ion Ratio Lower Upper  
117 100  
82 56.2 43.7 65.5  
119 32.2 26.1 39.1



#67  
Ethyl Benzene  
Concen: 1.78 ug/l  
RT: 11.479 min Scan# 3029  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion: 91 Resp: 16892  
Ion Ratio Lower Upper  
91 100  
106 38.4 25.5 38.3#

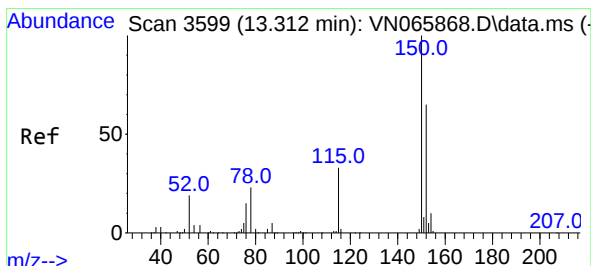
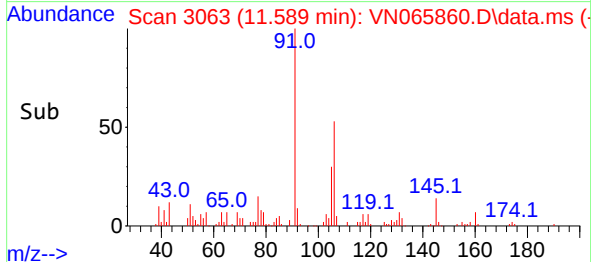
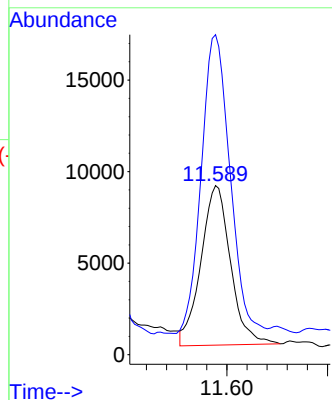
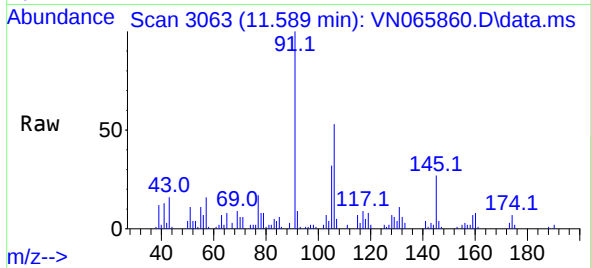




#68  
m/p-Xylenes  
Concen: 5.17 ug/l  
RT: 11.589 min Scan# 3063  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

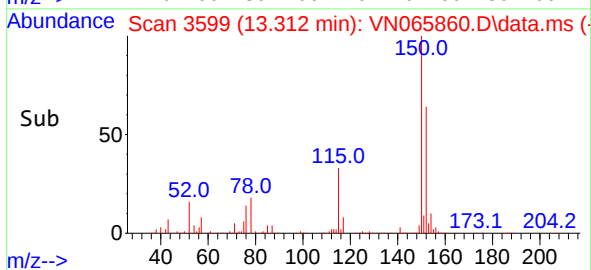
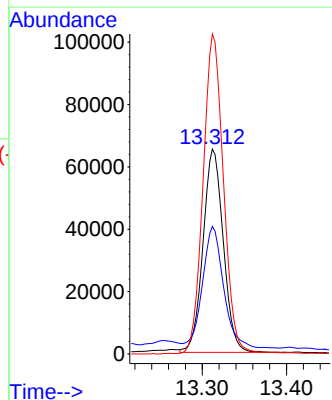
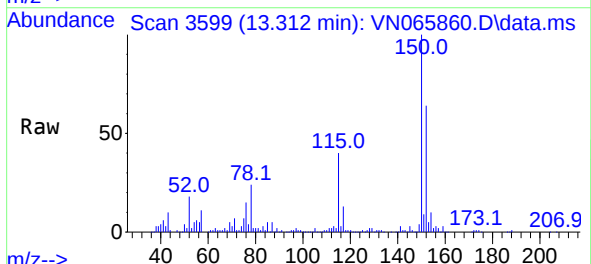
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

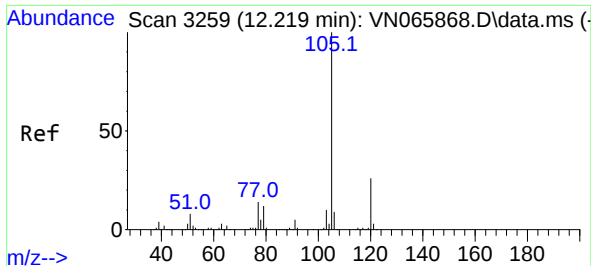
Tgt Ion:106 Resp: 17792  
Ion Ratio Lower Upper  
106 100  
91 180.7 161.4 242.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.312 min Scan# 3599  
Delta R.T. 0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion:152 Resp: 109068  
Ion Ratio Lower Upper  
152 100  
115 62.3 28.5 85.6  
150 158.0 0.0 347.6

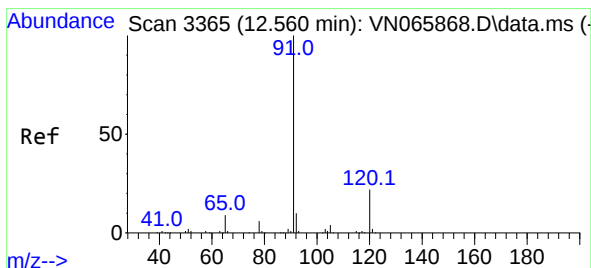
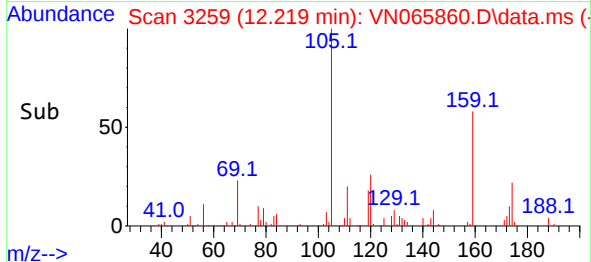
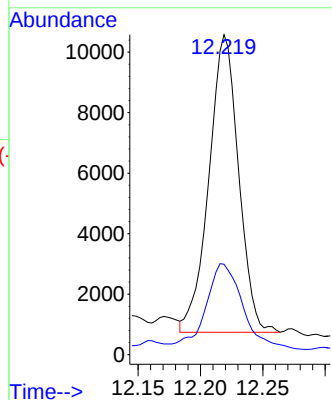
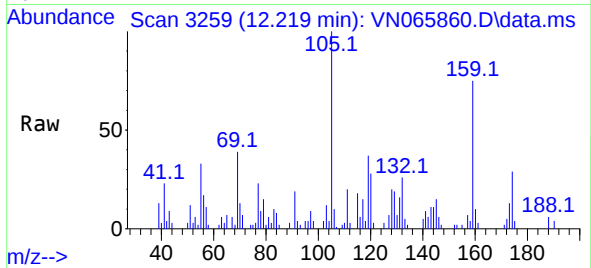




#73  
Isopropylbenzene  
Concen: 1.70 ug/l  
RT: 12.219 min Scan# 3259  
Delta R.T. -0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

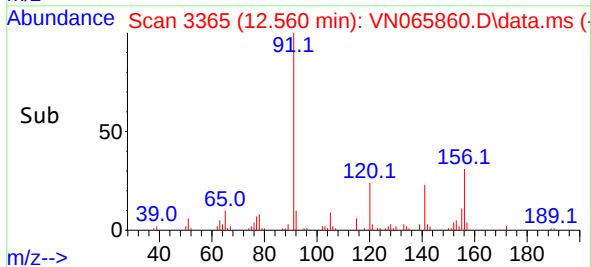
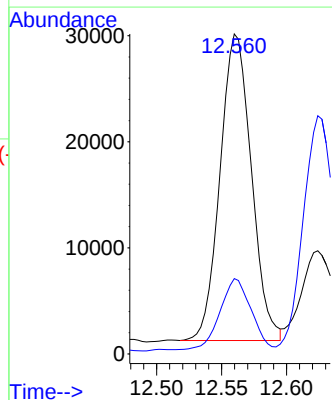
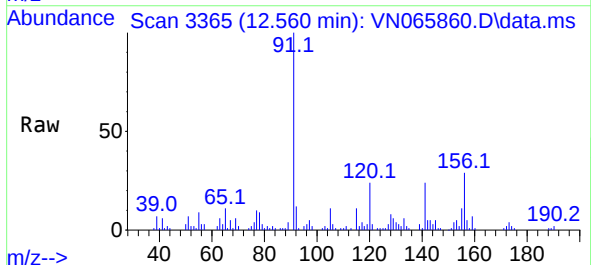
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

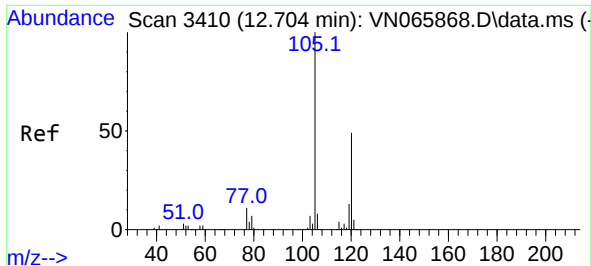
Tgt Ion:105 Resp: 16270  
Ion Ratio Lower Upper  
105 100  
120 43.0 13.3 39.9#



#78  
n-propylbenzene  
Concen: 4.30 ug/l  
RT: 12.560 min Scan# 3365  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion: 91 Resp: 48412  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.8 35.3

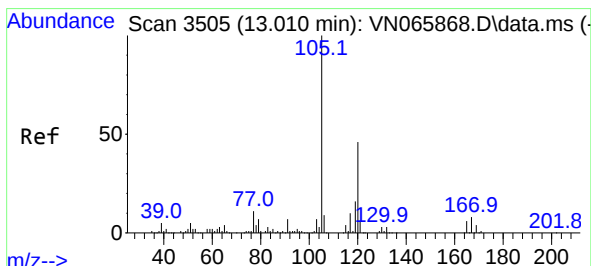
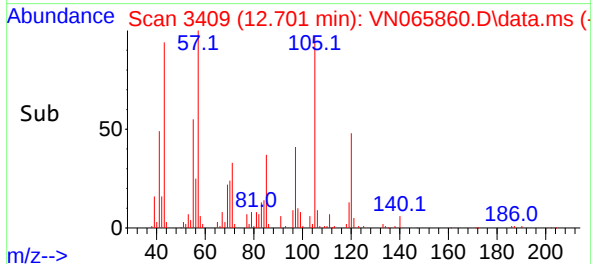
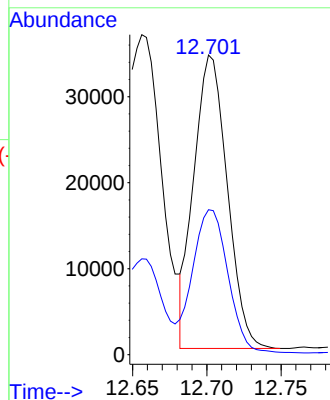
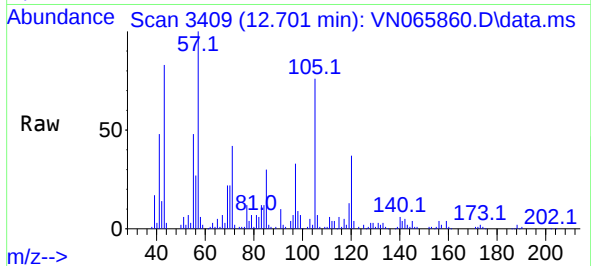




#80  
1,3,5-Trimethylbenzene  
Concen: 6.58 ug/l  
RT: 12.701 min Scan# 3409  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

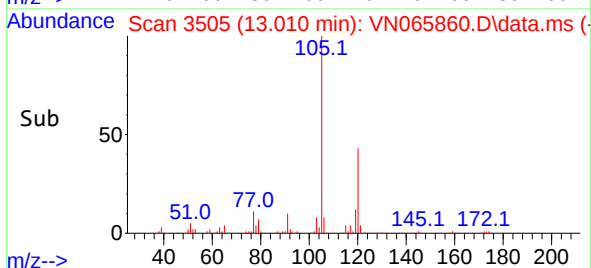
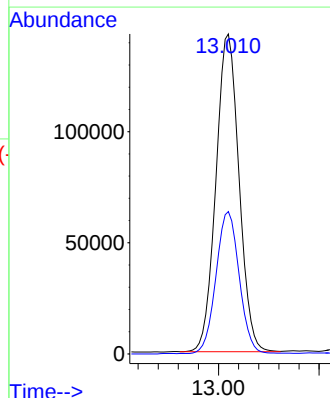
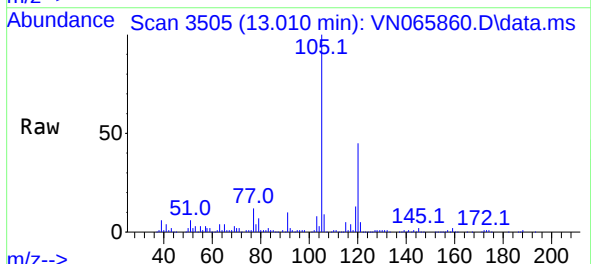
Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

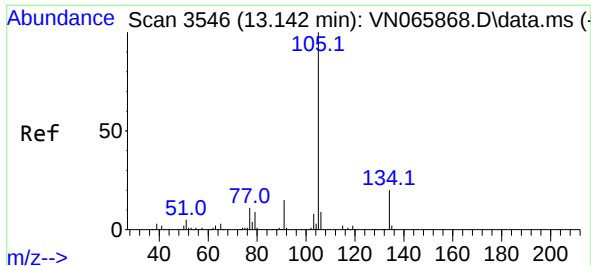
Tgt Ion:105 Resp: 53464  
Ion Ratio Lower Upper  
105 100  
120 51.9 24.3 72.8



#84  
1,2,4-Trimethylbenzene  
Concen: 28.10 ug/l  
RT: 13.010 min Scan# 3505  
Delta R.T. -0.000 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion:105 Resp: 227885  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.4 67.0

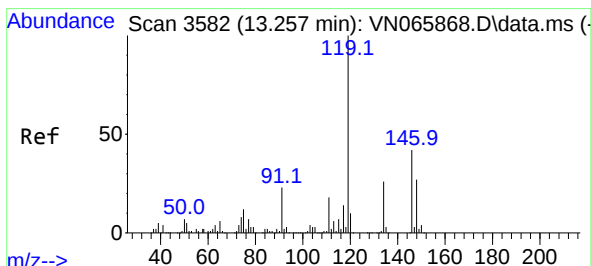
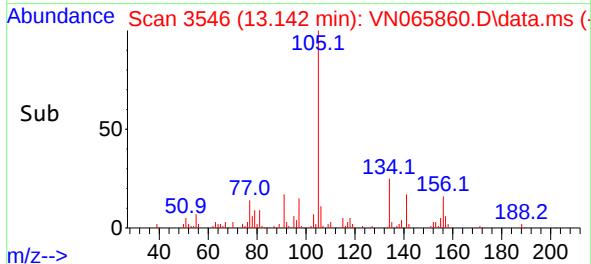
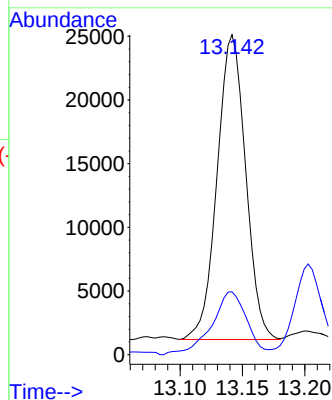
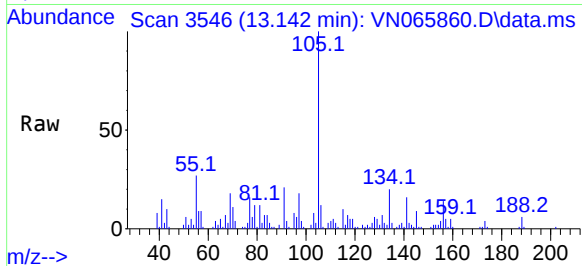




#85  
 sec-Butylbenzene  
 Concen: 4.16 ug/l  
 RT: 13.142 min Scan# 3546  
 Delta R.T. 0.001 min  
 Lab File: VN065860.D  
 Acq: 13 Feb 2021 00:32

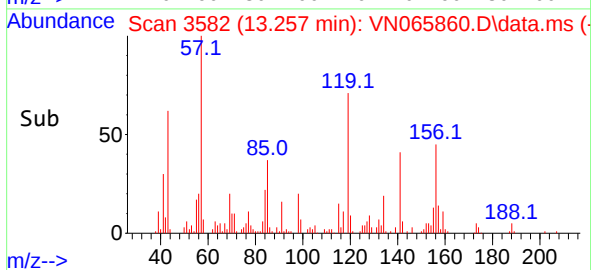
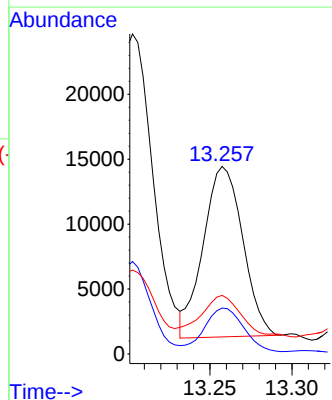
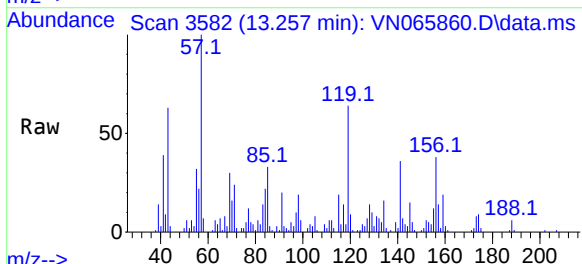
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VCP-SS-4-SOILMEDL

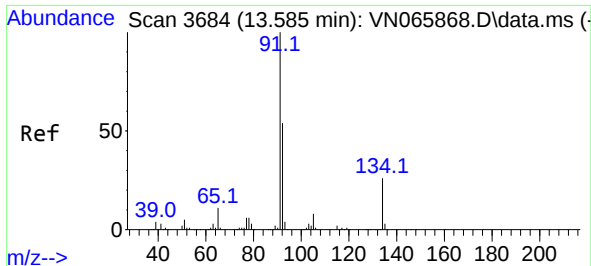
Tgt Ion:105 Resp: 38079  
 Ion Ratio Lower Upper  
 105 100  
 134 25.3 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 2.72 ug/l  
 RT: 13.257 min Scan# 3582  
 Delta R.T. 0.000 min  
 Lab File: VN065860.D  
 Acq: 13 Feb 2021 00:32

Tgt Ion:119 Resp: 21983  
 Ion Ratio Lower Upper  
 119 100  
 134 25.5 13.3 39.8  
 91 24.8 11.8 35.3

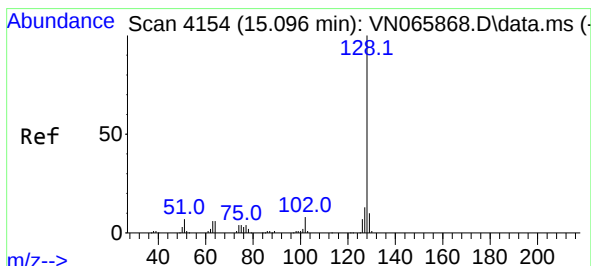
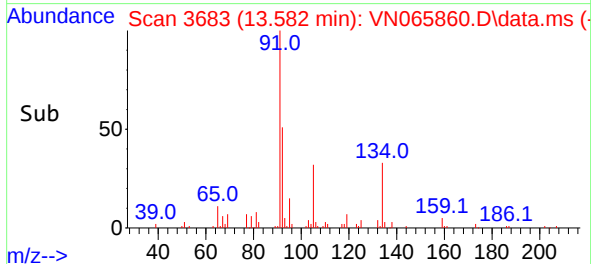
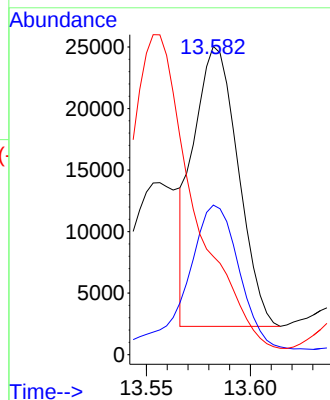
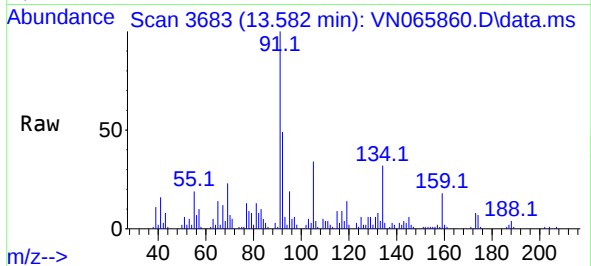




#89  
n-Butylbenzene  
Concen: 4.66 ug/l  
RT: 13.582 min Scan# 3683  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VCP-SS-4-SOILMEDL

Tgt Ion: 91 Resp: 33843  
Ion Ratio Lower Upper  
91 100  
92 61.7 26.1 78.3  
134 0.0 13.0 38.9#



#95  
Naphthalene  
Concen: 8.97 ug/l  
RT: 15.097 min Scan# 4154  
Delta R.T. -0.003 min  
Lab File: VN065860.D  
Acq: 13 Feb 2021 00:32

Tgt Ion:128 Resp: 41908  
Ion Ratio Lower Upper  
128 100  
127 18.9 10.2 15.2#  
129 22.4 8.6 13.0#

