

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011422\  
 Data File : VY007173.D  
 Acq On : 14 Jan 2022 16:54  
 Operator : SY/MD  
 Sample : N1152-01  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VACLOT-TOPSOIL-01

Quant Time: Jan 17 04:59:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011322S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 14 05:48:29 2022  
 Response via : Initial Calibration

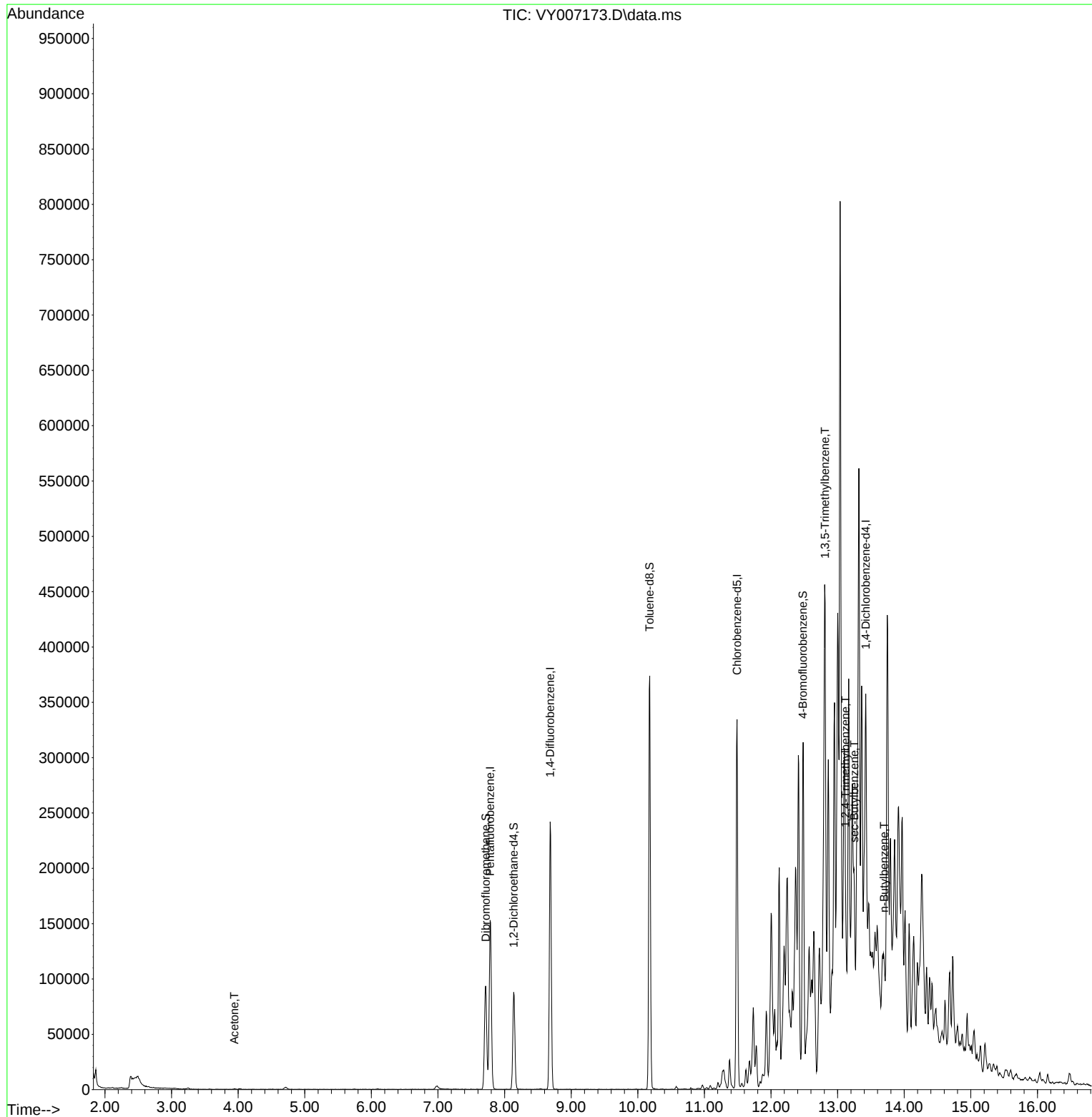
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 114022   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 205907   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 179917   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 62297    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 69768    | 49.868   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 99.740%  |
| 35) Dibromofluoromethane    | 7.715  | 113   | 67415    | 48.419   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 96.840%  |
| 50) Toluene-d8              | 10.178 | 98    | 246295   | 48.412   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 96.820%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 77486    | 42.818   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 85.640%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 795      | 2.190    | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.812 | 105   | 5119     | 1.159    | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 19160    | 4.375    | ug/l   | 99       |
| 85) sec-Butylbenzene        | 13.251 | 105   | 10047    | 1.759    | ug/l # | 54       |
| 89) n-Butylbenzene          | 13.696 | 91    | 17007    | 3.680    | ug/l # | 74       |
| -----                       |        |       |          |          |        |          |

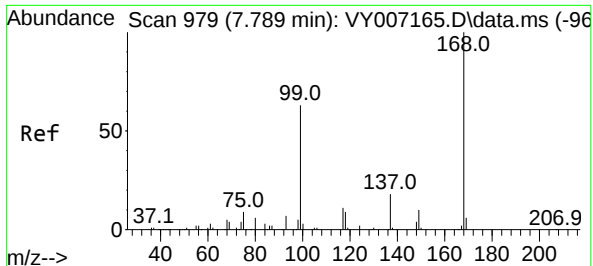
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VACLOT-TOPSOIL-01

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Quant Title : SW846 8260  
QLast Update : Fri Jan 14 05:48:29 2022  
Response via : Initial Calibration

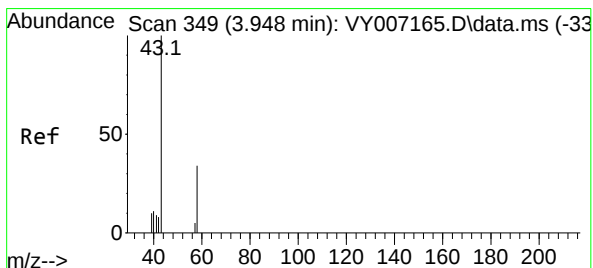
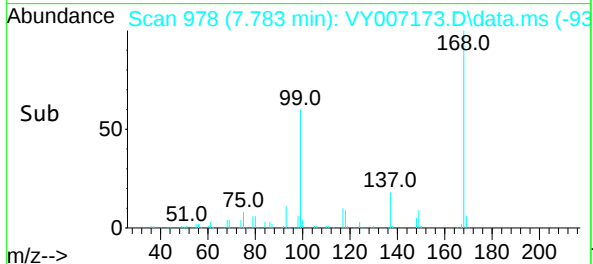
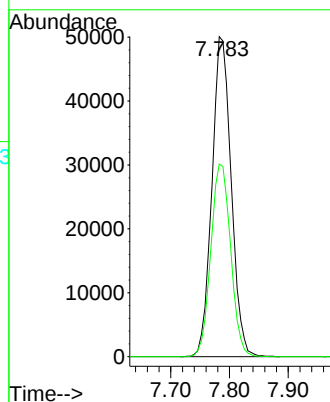
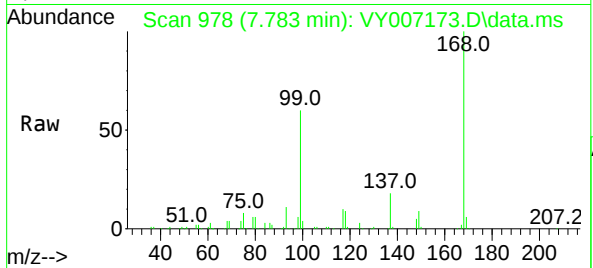




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

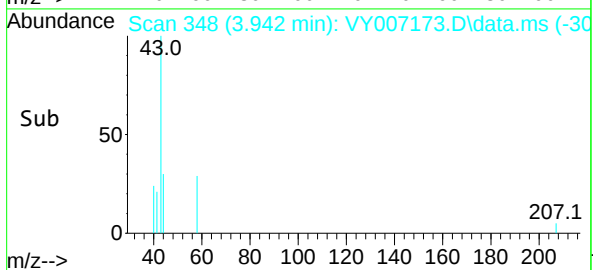
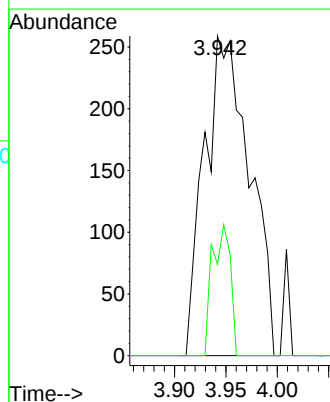
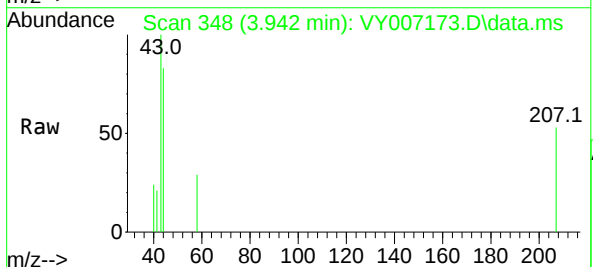
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-TOPSOIL-01

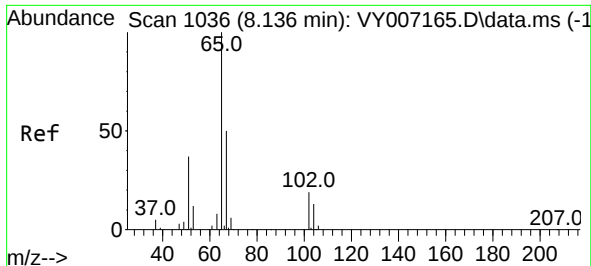
Tgt Ion:168 Resp: 114022  
Ion Ratio Lower Upper  
168 100  
99 60.2 49.1 73.7



#16  
Acetone  
Concen: 2.190 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

Tgt Ion: 43 Resp: 795  
Ion Ratio Lower Upper  
43 100  
58 28.6 23.8 35.6

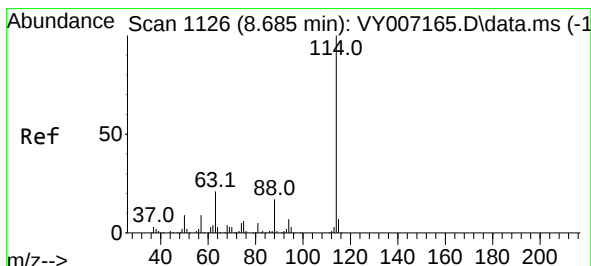
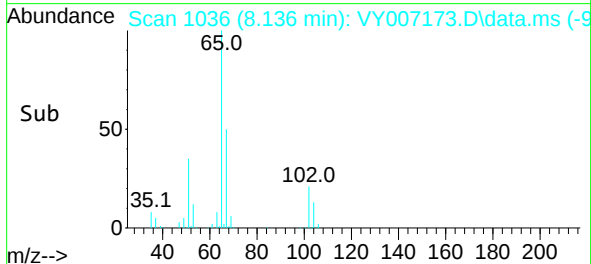
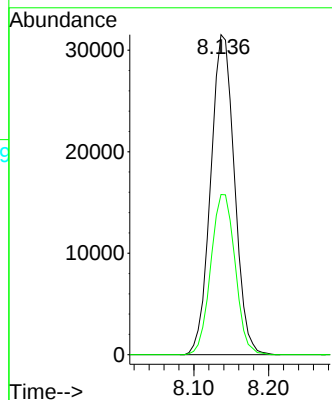
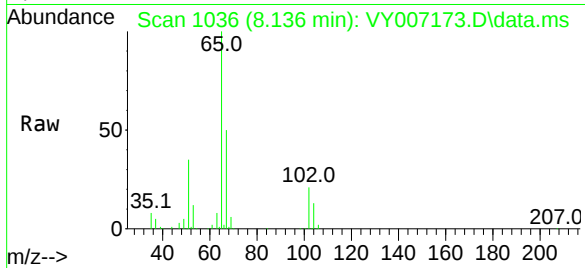




#33  
1,2-Dichloroethane-d4  
Concen: 49.868 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

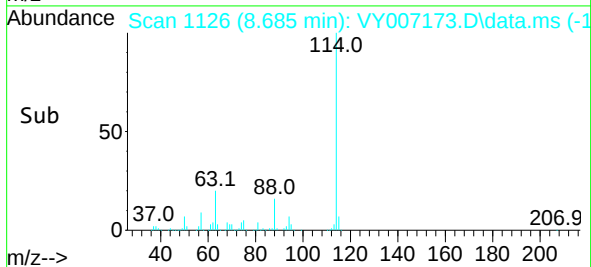
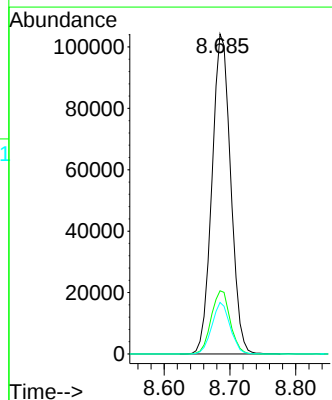
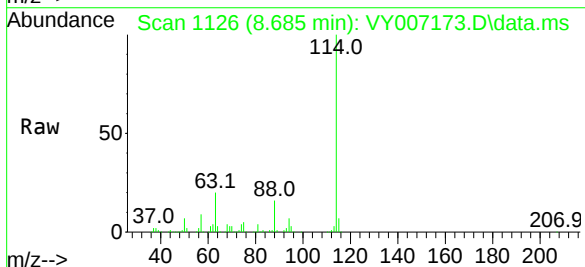
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-TOPSOIL-01

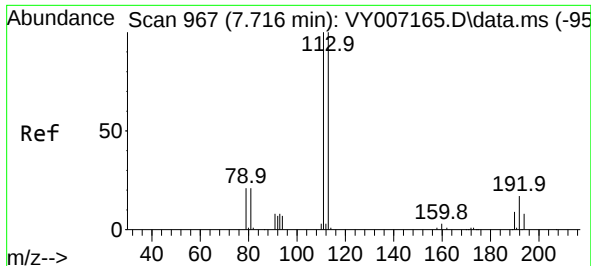
Tgt Ion: 65 Resp: 69768  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

Tgt Ion: 114 Resp: 205907  
Ion Ratio Lower Upper  
114 100  
63 19.8 0.0 39.2  
88 16.1 0.0 31.0

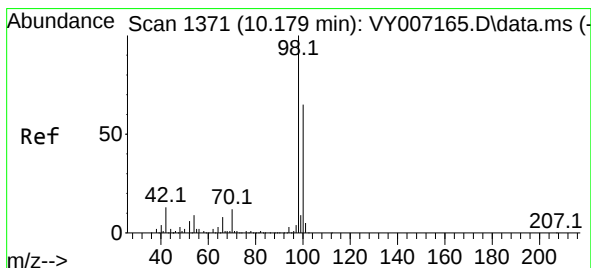
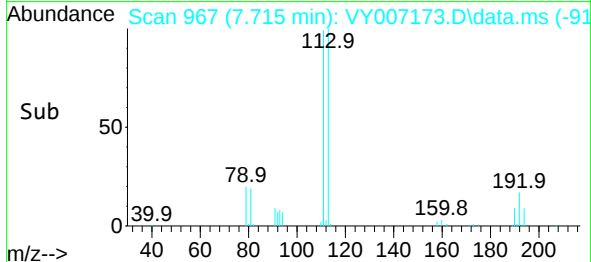
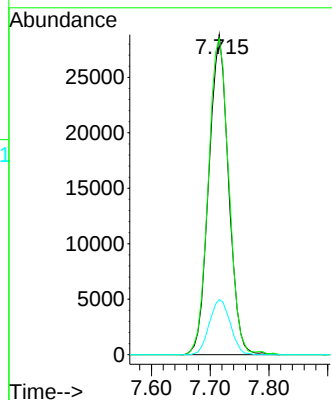
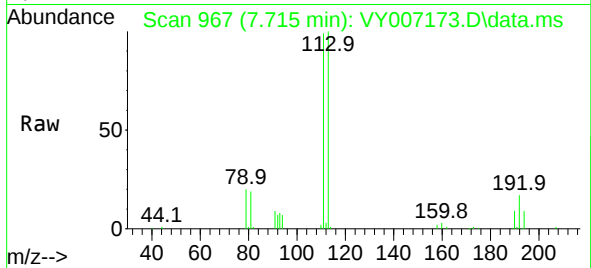




#35  
Dibromofluoromethane  
Concen: 48.419 ug/l  
RT: 7.715 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

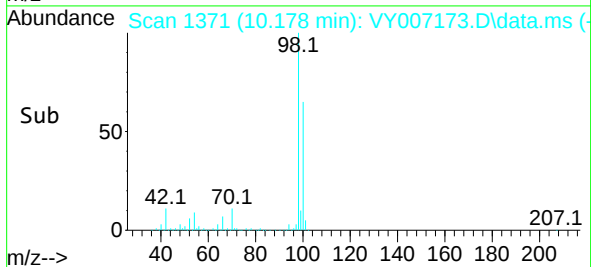
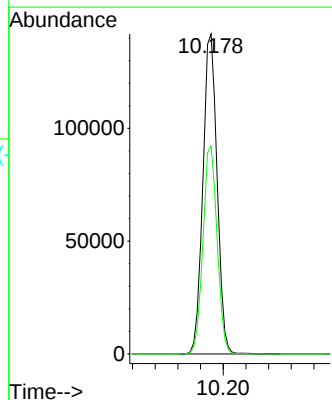
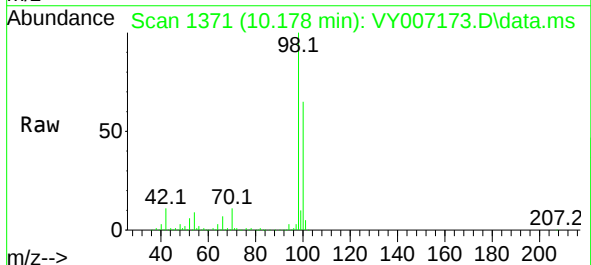
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-TOPSOIL-01

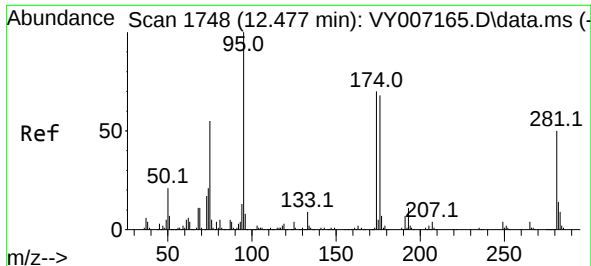
Tgt Ion:113 Resp: 67415  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 18.2 14.2 21.4



#50  
Toluene-d8  
Concen: 48.412 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

Tgt Ion: 98 Resp: 246295  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.2 78.2

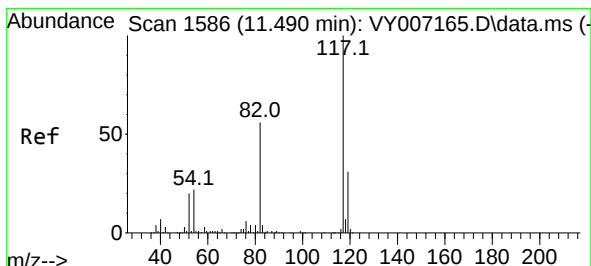
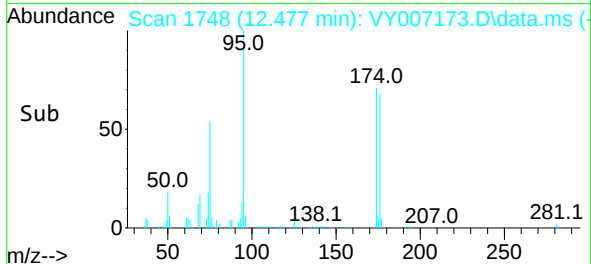
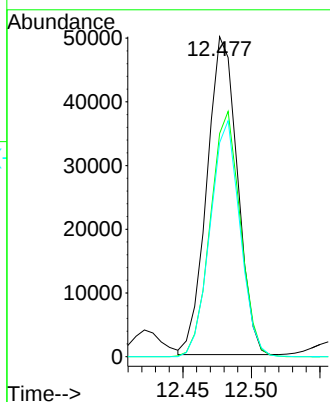
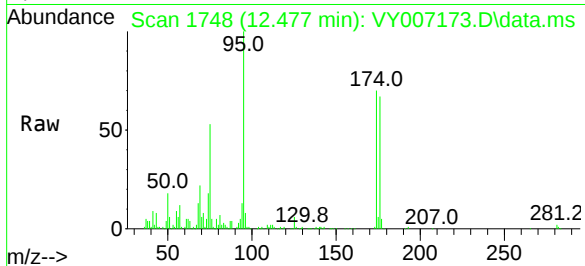




#62  
4-Bromofluorobenzene  
Concen: 42.818 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

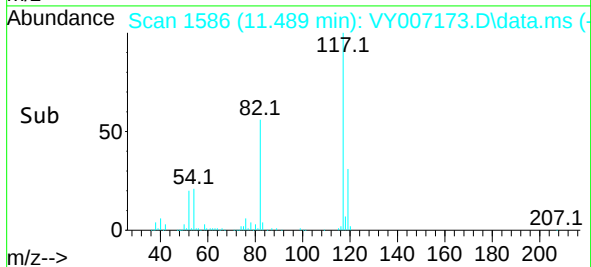
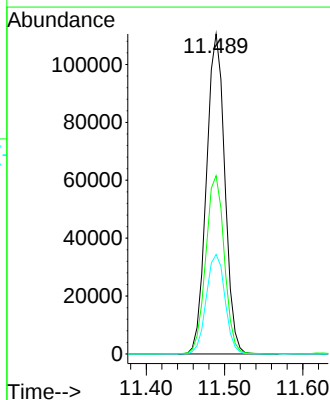
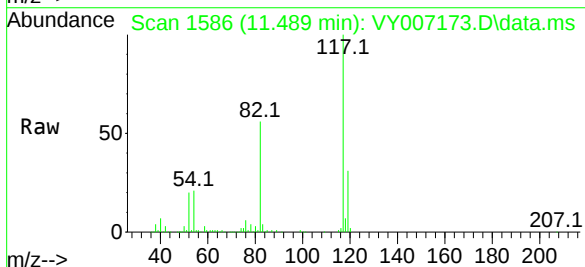
Instrument :  
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ClientSampleId :  
VACLOT-TOPSOIL-01

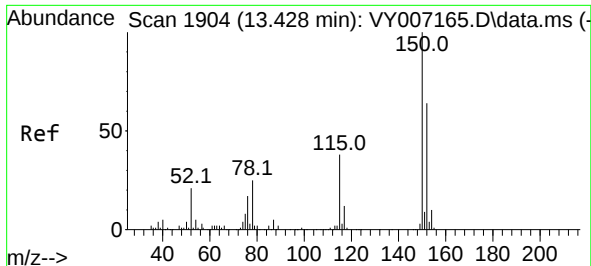
Tgt Ion: 95 Resp: 77486  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 148.4  
176 72.2 0.0 146.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

Tgt Ion: 117 Resp: 179917  
Ion Ratio Lower Upper  
117 100  
82 55.6 45.4 68.0  
119 31.1 26.4 39.6

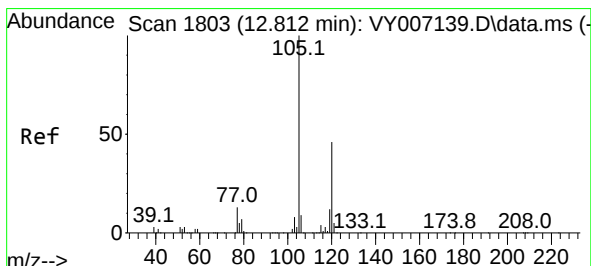
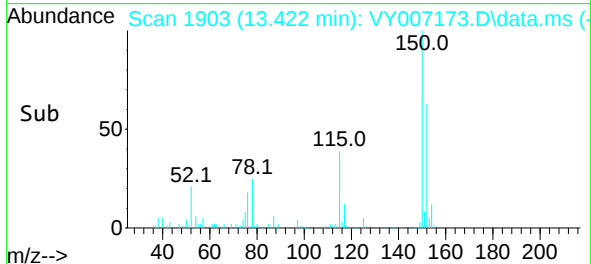
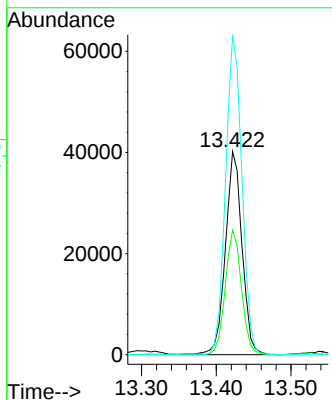
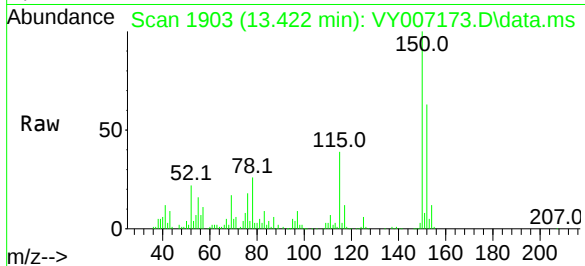




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1904  
Delta R.T. -0.006 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

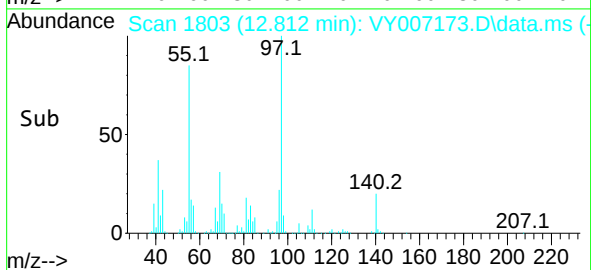
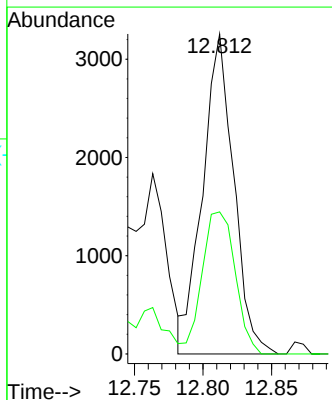
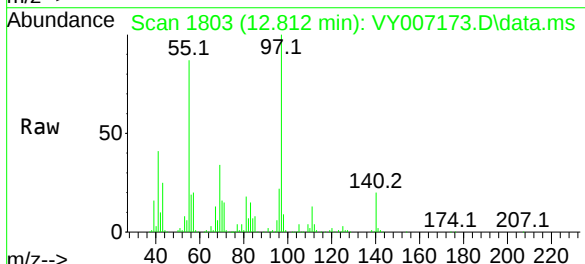
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VACLOT-TOPSOIL-01

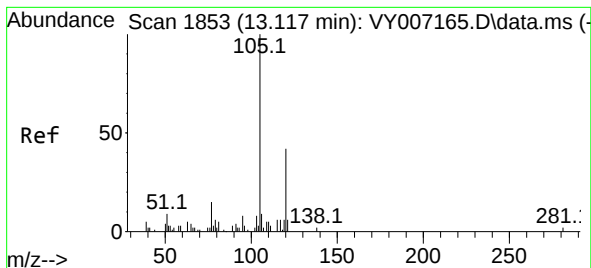
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Ion Ratio Lower Upper  
152 100  
115 59.8 31.4 94.0  
150 154.3 0.0 348.4



#80  
1,3,5-Trimethylbenzene  
Concen: 1.159 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY007173.D  
Acq: 14 Jan 2022 16:54

Tgt Ion:105 Resp: 5119  
Ion Ratio Lower Upper  
105 100  
120 47.6 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 4.375 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY007173.D

Acq: 14 Jan 2022 16:54

Instrument :

MSVOA\_Y

ClientSampleId :

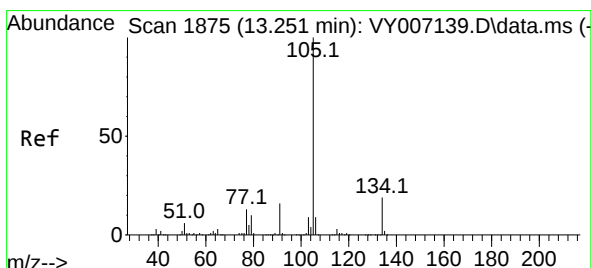
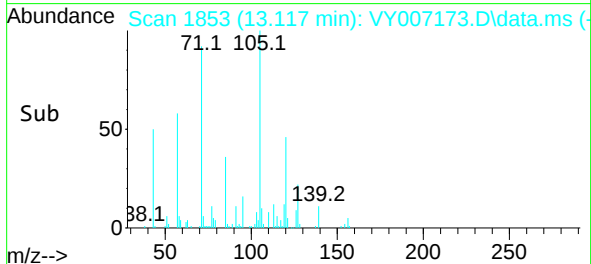
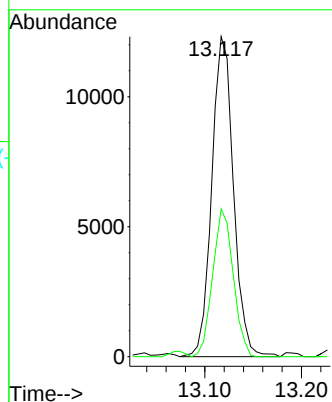
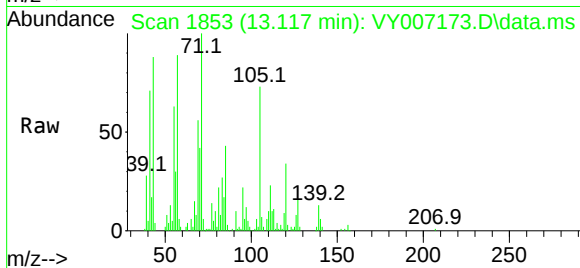
VACLOT-TOPSOIL-01

Tgt Ion:105 Resp: 19160

Ion Ratio Lower Upper

105 100

120 43.8 21.6 64.6



#85

sec-Butylbenzene

Concen: 1.759 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY007173.D

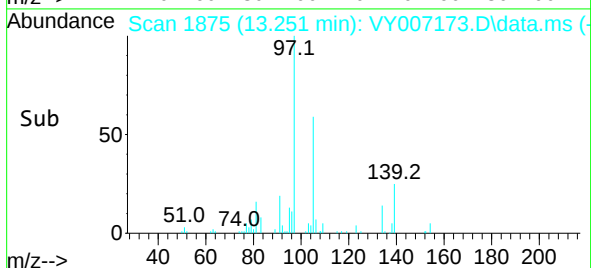
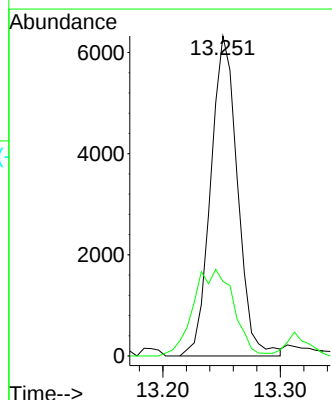
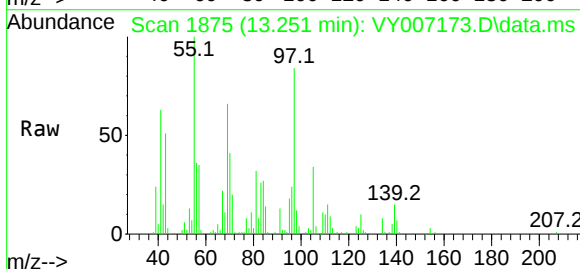
Acq: 14 Jan 2022 16:54

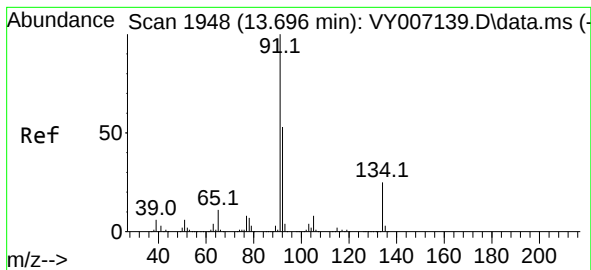
Tgt Ion:105 Resp: 10047

Ion Ratio Lower Upper

105 100

134 41.1 9.9 29.7#





#89

n-Butylbenzene

Concen: 3.680 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY007173.D

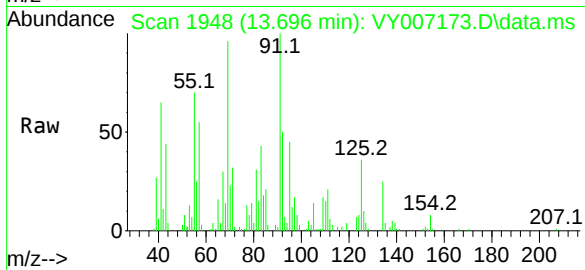
Acq: 14 Jan 2022 16:54

Instrument :

MSVOA\_Y

ClientSampleId :

VACLOT-TOPSOIL-01



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 17007 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 46.0  | 26.9  | 80.6  |
| 134      | 53.8  | 12.6  | 37.6  |

