

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010822\  
 Data File : VY007082.D  
 Acq On : 08 Jan 2022 16:42  
 Operator : SY/MD  
 Sample : N1068-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-010622

Quant Time: Jan 10 03:40:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010822S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 10 03:29:44 2022  
 Response via : Initial Calibration

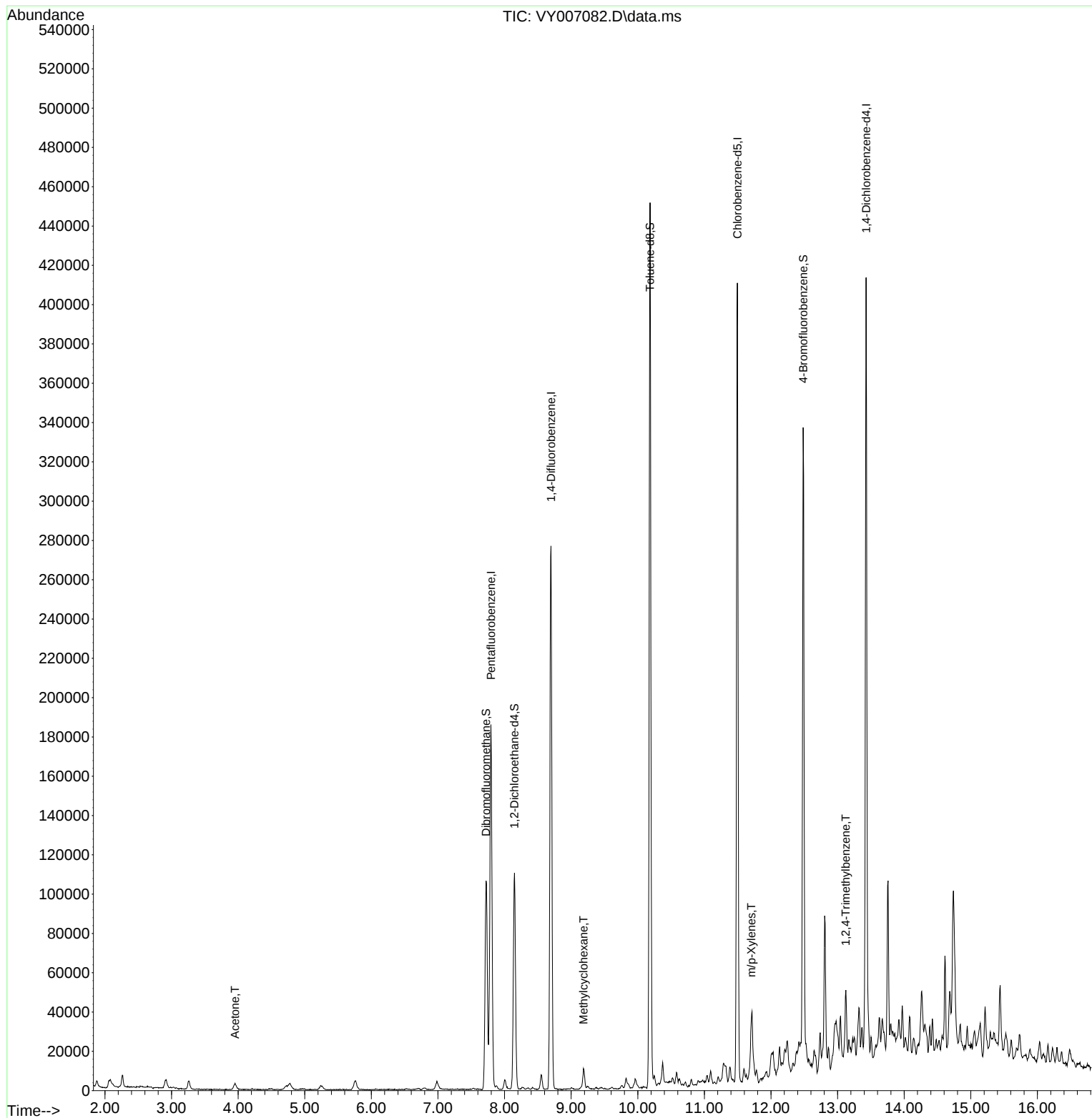
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 132595   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 239234   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 216430   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 90224    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 88812    | 55.988   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 111.980% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 77983    | 48.909   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 97.820%  |
| 50) Toluene-d8              | 10.185 | 98    | 291212   | 49.446   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 98.900%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 101715   | 47.887   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 95.780%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.954  | 43    | 4577     | 15.379   | ug/l   | 93       |
| 39) Methylcyclohexane       | 9.185  | 83    | 4198     | 1.329    | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.703 | 106   | 5469     | 1.671    | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105   | 17560    | 2.829    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

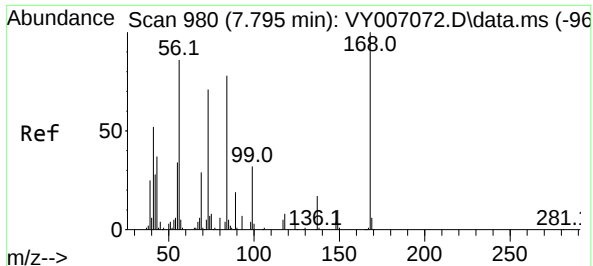
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Jan 10 03:29:44 2022  
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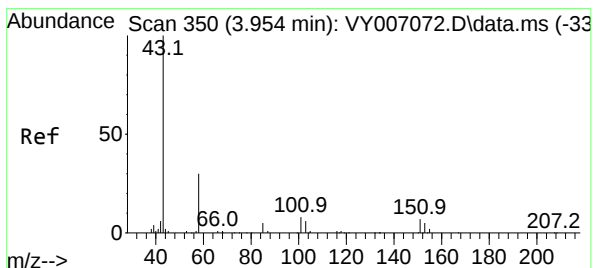
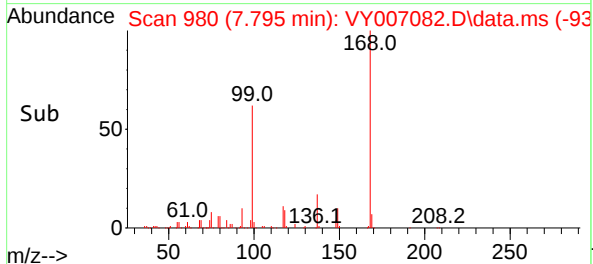
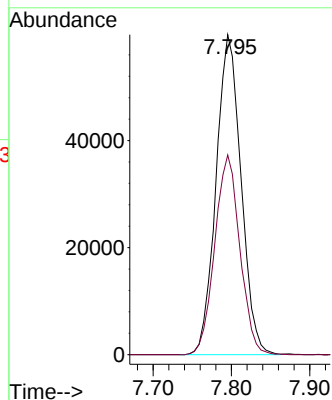
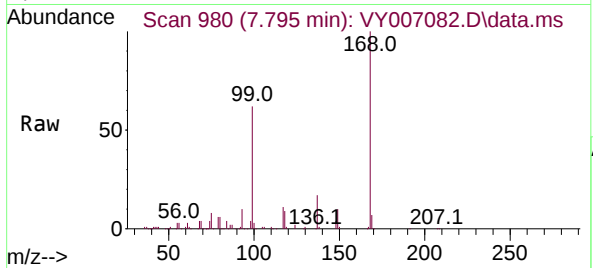




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

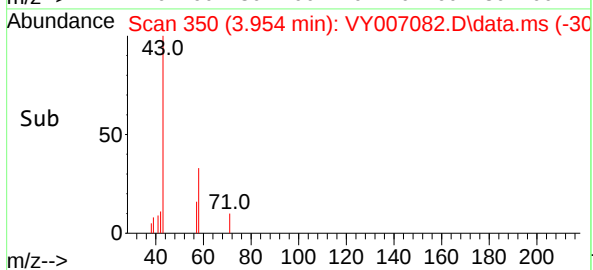
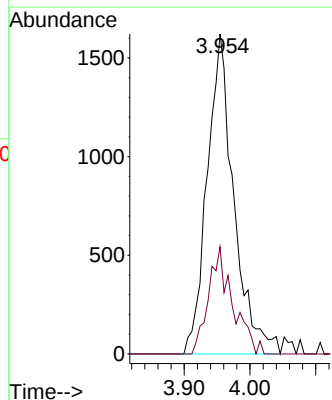
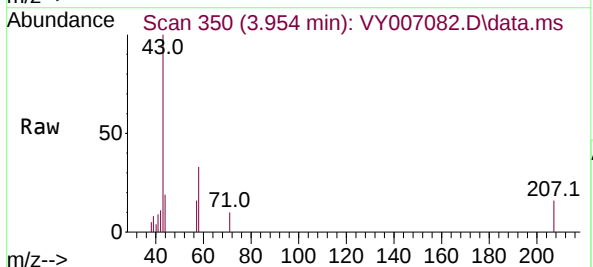
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-010622

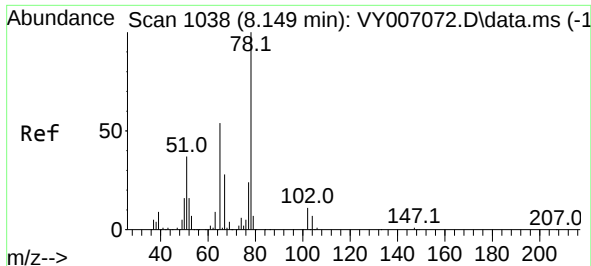
Tgt Ion:168 Resp: 132595  
Ion Ratio Lower Upper  
168 100  
99 62.4 49.1 73.7



#16  
Acetone  
Concen: 15.379 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

Tgt Ion: 43 Resp: 4577  
Ion Ratio Lower Upper  
43 100  
58 33.5 23.8 35.6

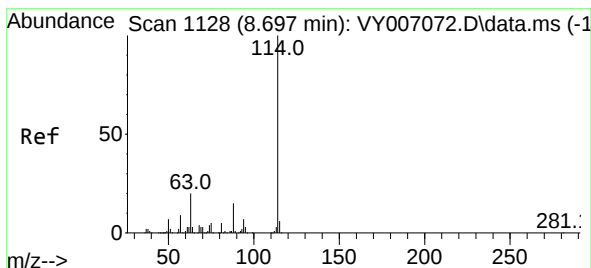
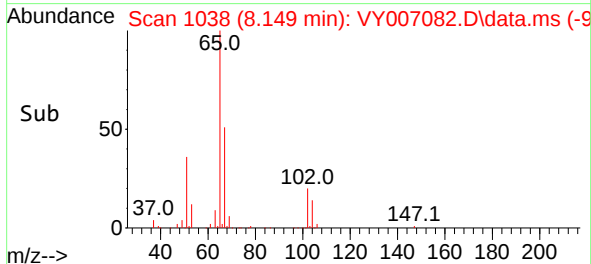
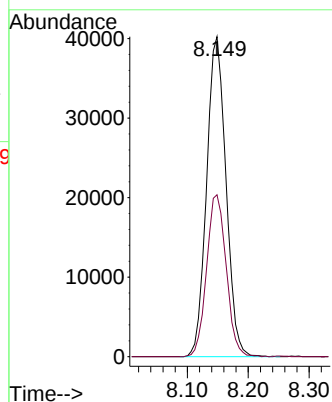
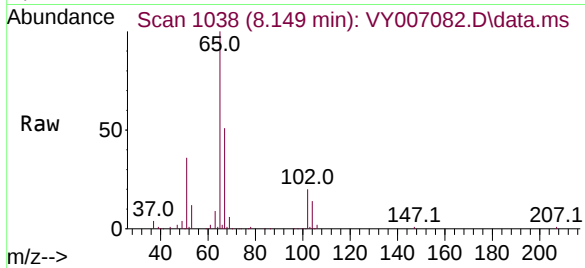




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.988 ug/l  
 RT: 8.149 min Scan# 1038  
 Delta R.T. 0.000 min  
 Lab File: VY007082.D  
 Acq: 08 Jan 2022 16:42

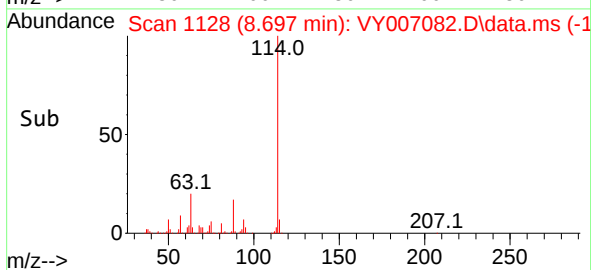
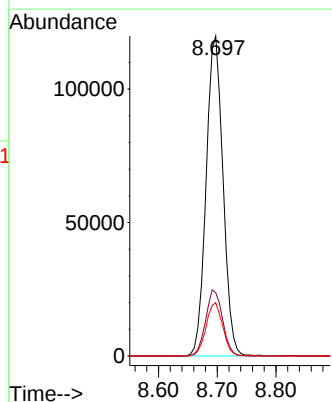
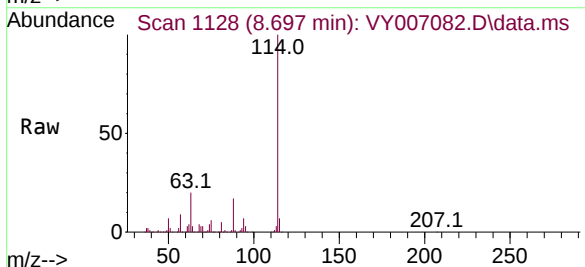
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-010622

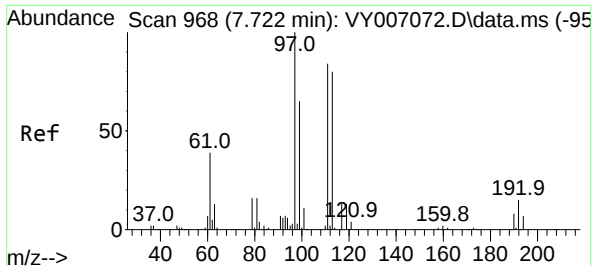
Tgt Ion: 65 Resp: 88812  
 Ion Ratio Lower Upper  
 65 100  
 67 51.2 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.697 min Scan# 1128  
 Delta R.T. 0.000 min  
 Lab File: VY007082.D  
 Acq: 08 Jan 2022 16:42

Tgt Ion: 114 Resp: 239234  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.2  
 88 16.6 0.0 31.0

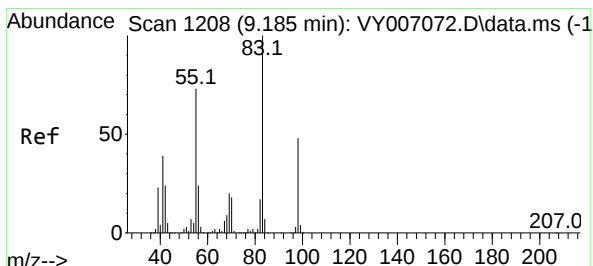
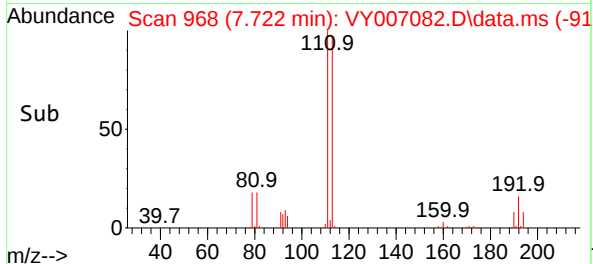
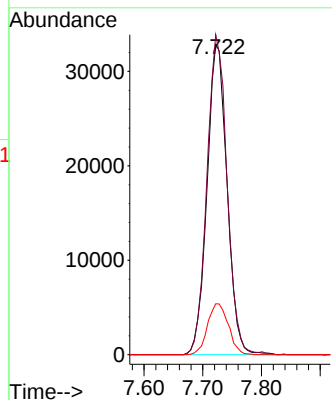
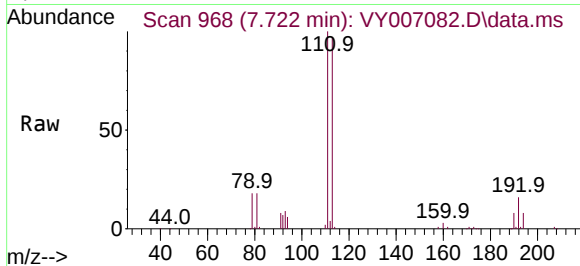




#35  
Dibromofluoromethane  
Concen: 48.909 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

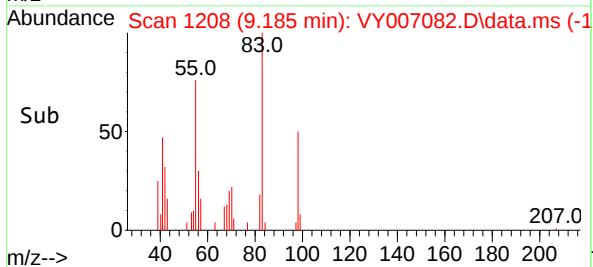
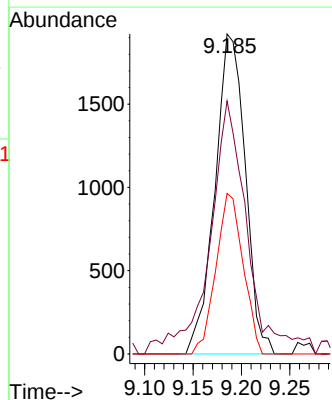
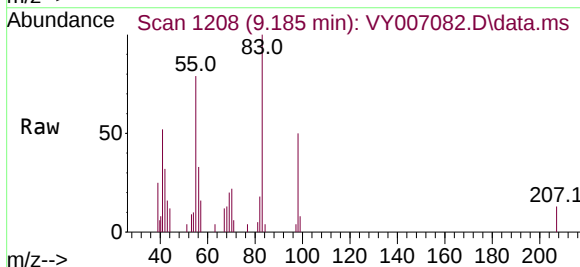
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-010622

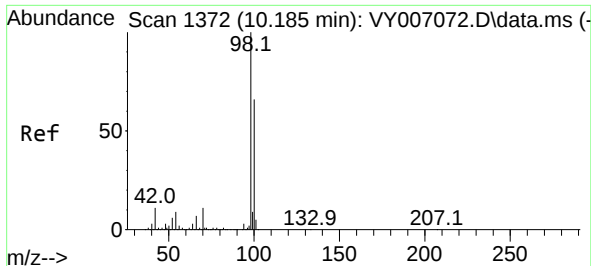
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 77983 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.8 | 82.2  | 123.4 |
| 192      | 17.1  | 14.2  | 21.4  |



#39  
Methylcyclohexane  
Concen: 1.329 ug/l  
RT: 9.185 min Scan# 1208  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4198  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 73.4  | 58.8  | 88.2  |
| 98       | 50.2  | 38.7  | 58.1  |

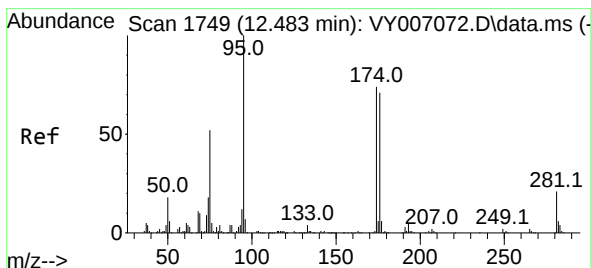
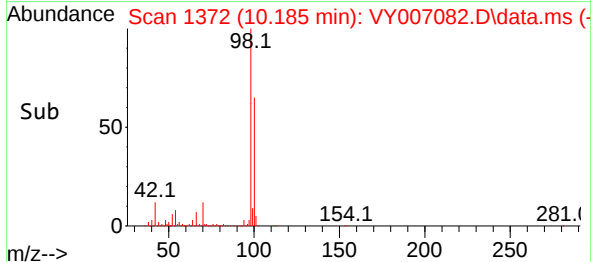
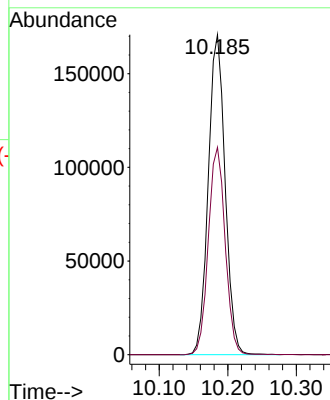
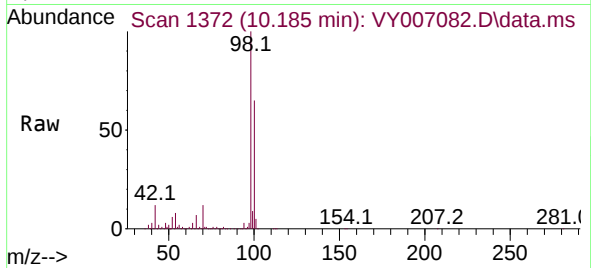




#50  
Toluene-d8  
Concen: 49.446 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

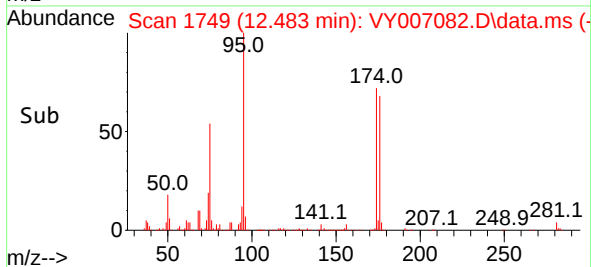
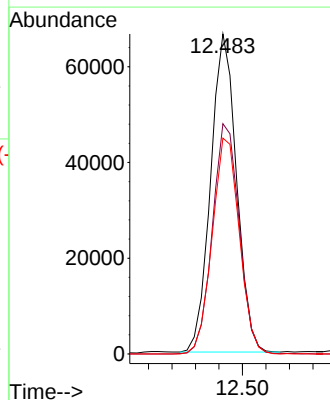
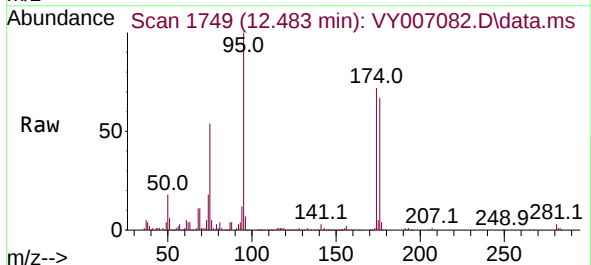
Instrument :  
MSVOA\_Y  
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TR-05-010622

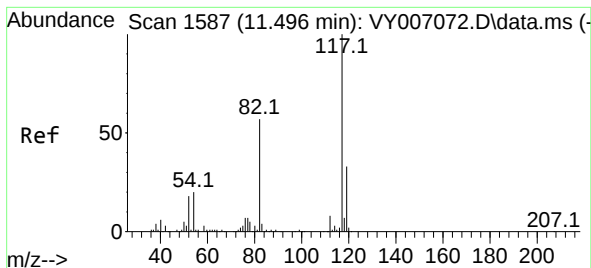
Tgt Ion: 98 Resp: 291212  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 47.887 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007082.D  
Acq: 08 Jan 2022 16:42

Tgt Ion: 95 Resp: 101715  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 148.4  
176 71.3 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

Instrument :

MSVOA\_Y

ClientSampleId :

TR-05-010622

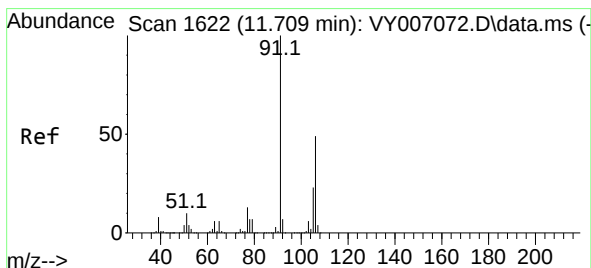
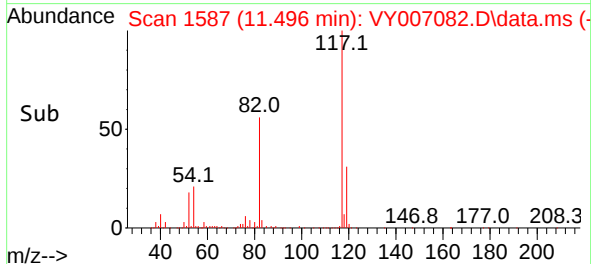
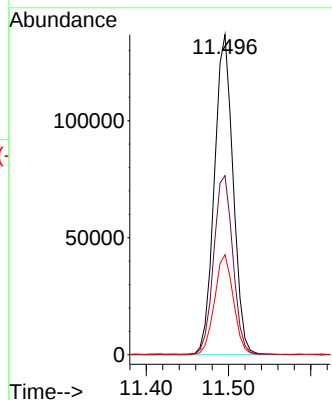
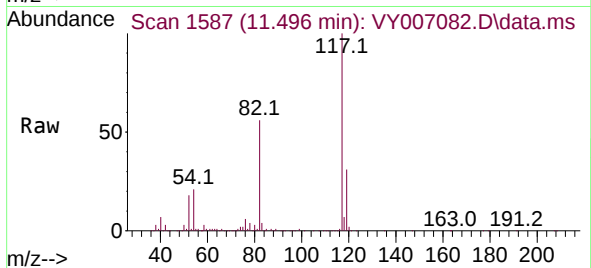
Tgt Ion:117 Resp: 216430

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 31.3 26.4 39.6



#68

m/p-Xylenes

Concen: 1.671 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY007082.D

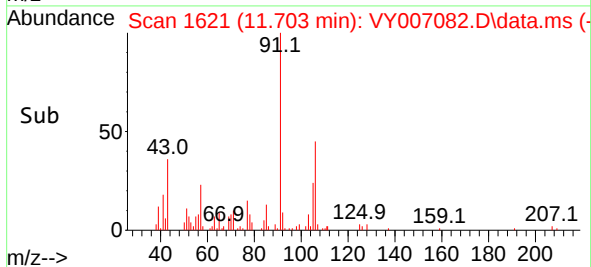
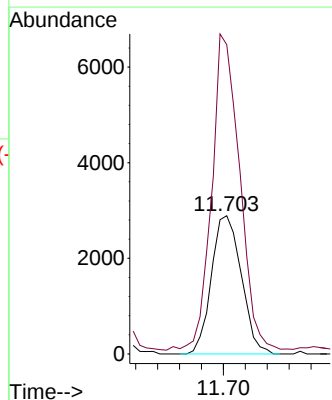
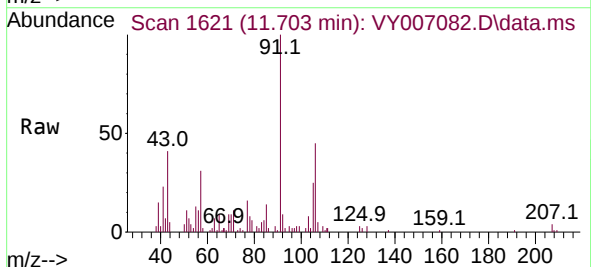
Acq: 08 Jan 2022 16:42

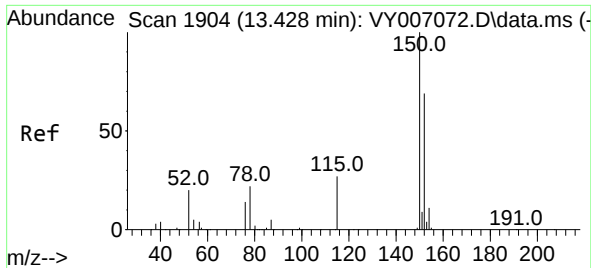
Tgt Ion:106 Resp: 5469

Ion Ratio Lower Upper

106 100

91 213.7 167.1 250.7

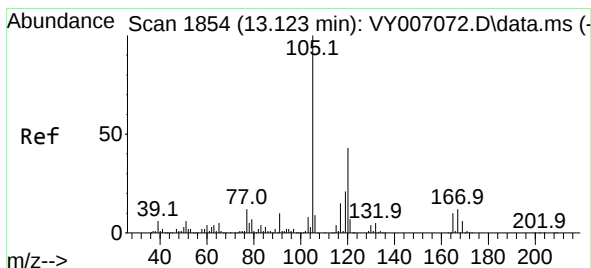
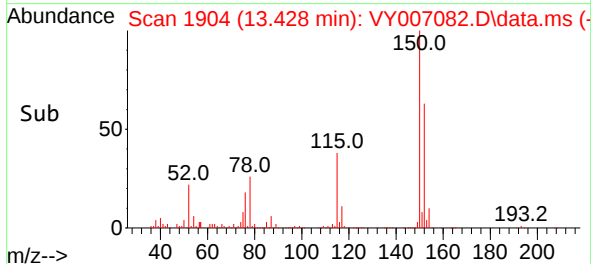
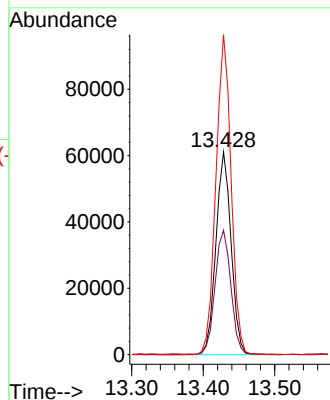
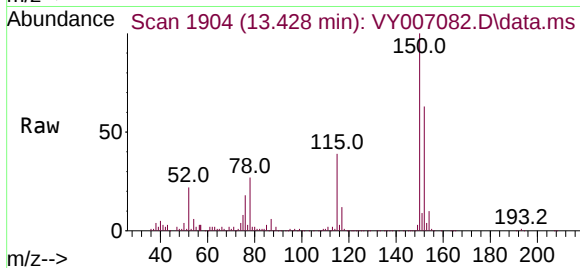




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY007082.D  
 Acq: 08 Jan 2022 16:42

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-010622

Tgt Ion:152 Resp: 90224  
 Ion Ratio Lower Upper  
 152 100  
 115 63.8 31.4 94.0  
 150 157.6 0.0 348.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.829 ug/l  
 RT: 13.123 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: VY007082.D  
 Acq: 08 Jan 2022 16:42

Tgt Ion:105 Resp: 17560  
 Ion Ratio Lower Upper  
 105 100  
 120 42.5 21.6 64.6

