

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031822\  
 Data File : VY007908.D  
 Acq On : 18 Mar 2022 17:31  
 Operator : SY/MD  
 Sample : N1951-03  
 Misc : 6.49g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DB-15-(10-15)-3-12-22

Quant Time: Mar 19 01:37:42 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

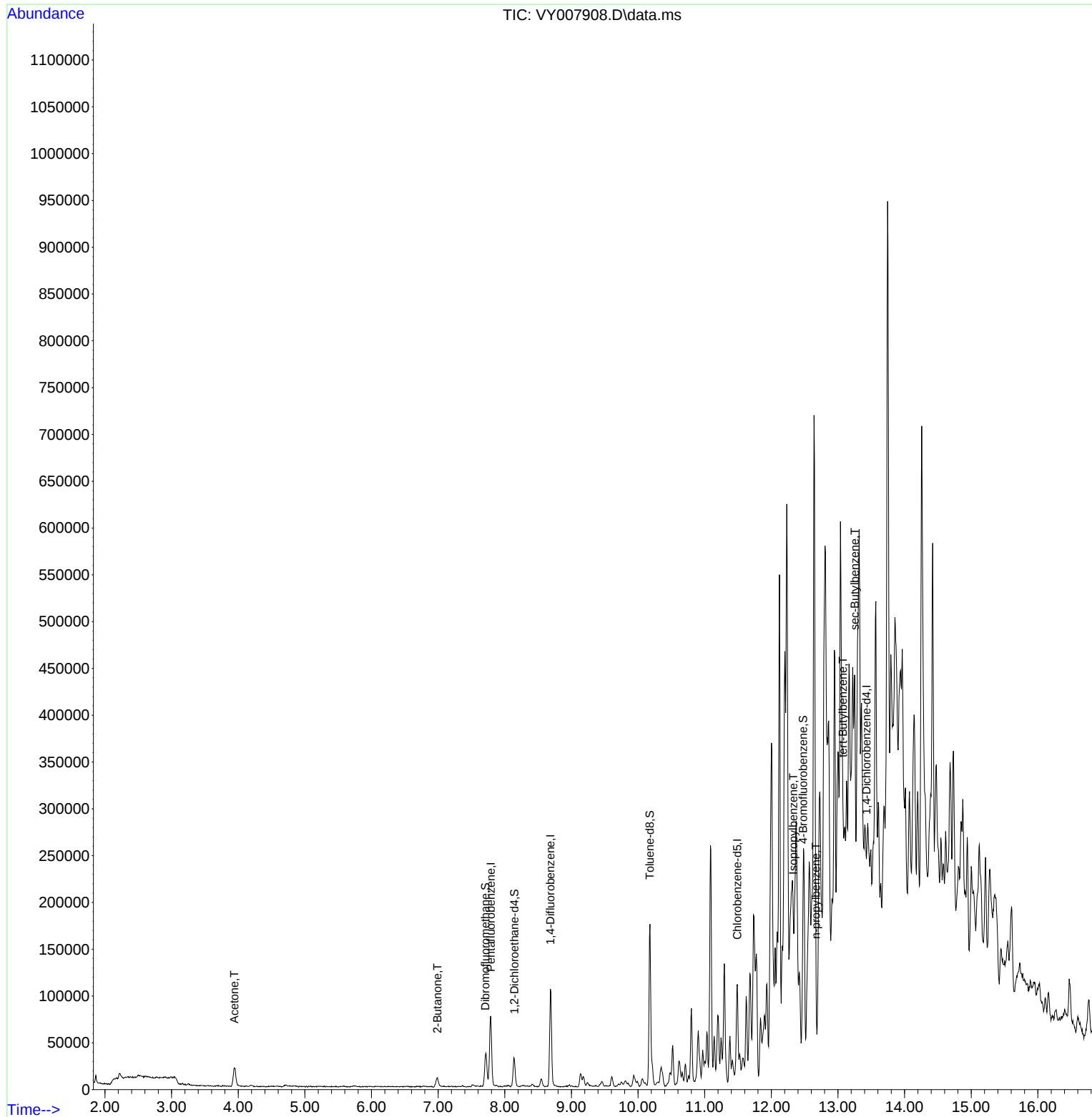
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 55371    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 89197    | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 52995    | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 16920    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 22917    | 36.299   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 72.600%  |
| 35) Dibromofluoromethane    | 7.710  | 113   | 25671    | 40.980   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 81.960%  |
| 50) Toluene-d8              | 10.179 | 98    | 96303    | 51.060   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 102.120% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 28130    | 31.289   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 62.580%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 34602    | 206.600  | ug/l # | 86       |
| 25) 2-Butanone              | 6.990  | 43    | 16329    | 60.868   | ug/l # | 82       |
| 73) Isopropylbenzene        | 12.331 | 105   | 8767     | 5.887    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.672 | 91    | 16972    | 9.437    | ug/l   | 94       |
| 83) tert-Butylbenzene       | 13.074 | 119   | 4458     | 4.067    | ug/l # | 66       |
| 85) sec-Butylbenzene        | 13.251 | 105   | 42804    | 26.059   | ug/l   | 82       |
| -----                       |        |       |          |          |        |          |

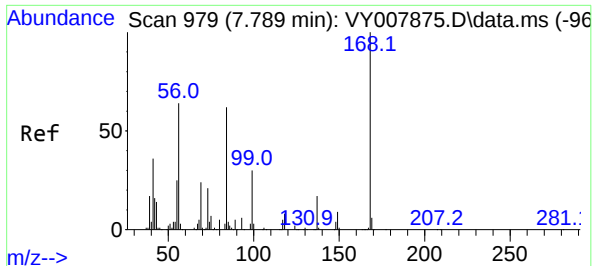
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031822\  
Data File : VY007908.D  
Acq On : 18 Mar 2022 17:31  
Operator : SY/MD  
Sample : N1951-03  
Misc : 6.49g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

Quant Time: Mar 19 01:37:42 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 13:55:34 2022  
Response via : Initial Calibration

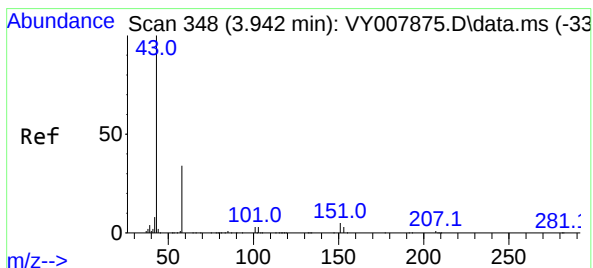
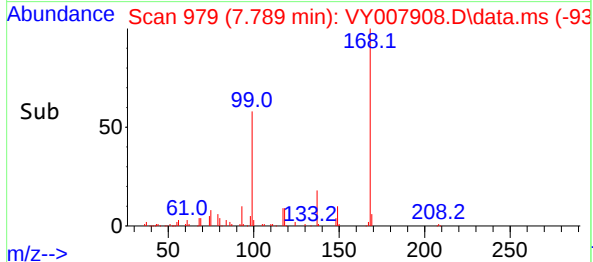
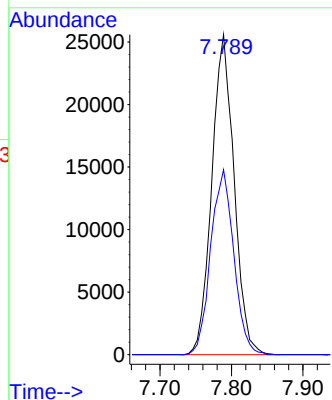
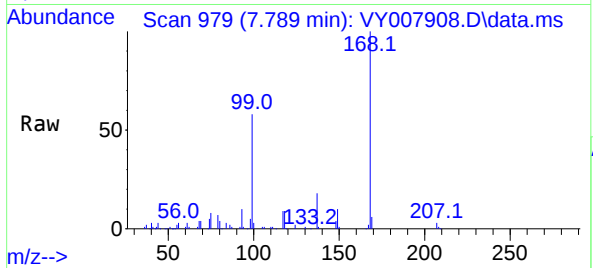




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

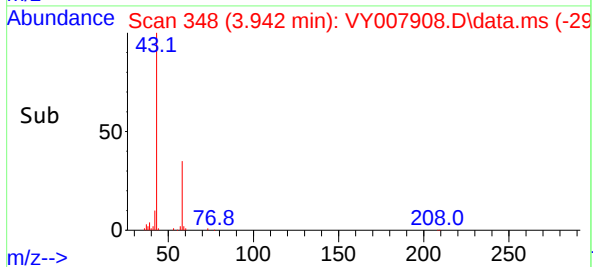
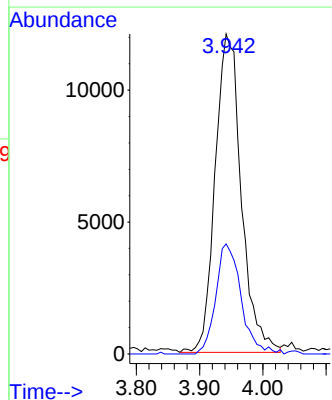
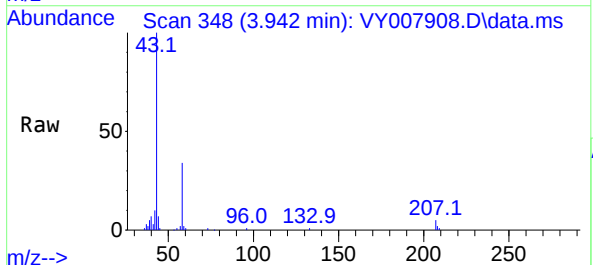
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

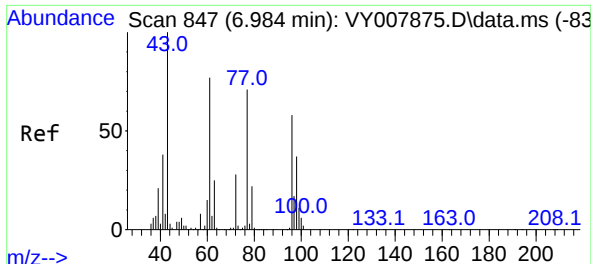
Tgt Ion:168 Resp: 55371  
Ion Ratio Lower Upper  
168 100  
99 57.8 46.9 70.3



#16  
Acetone  
Concen: 206.600 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Tgt Ion: 43 Resp: 34602  
Ion Ratio Lower Upper  
43 100  
58 34.6 22.0 33.0#

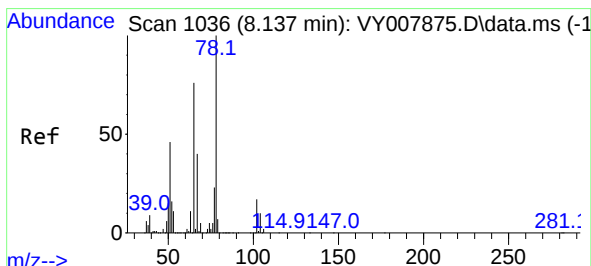
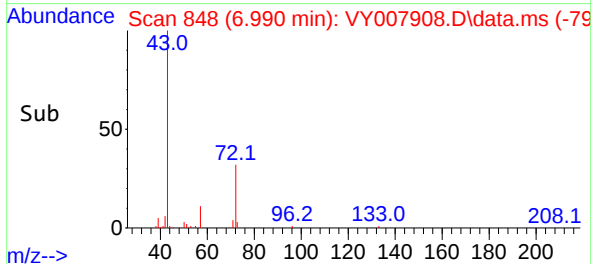
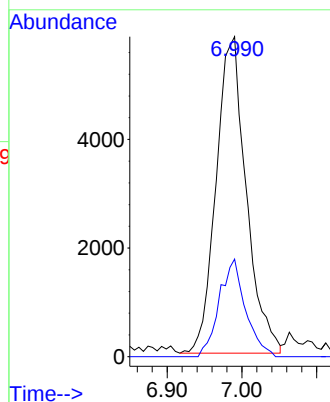
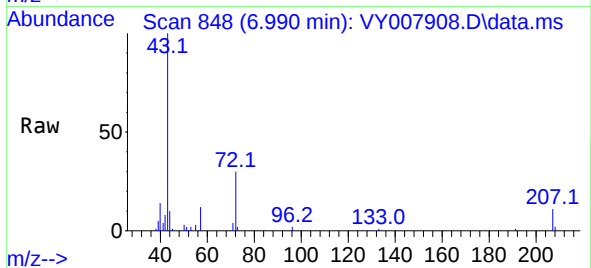




#25  
2-Butanone  
Concen: 60.868 ug/l  
RT: 6.990 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

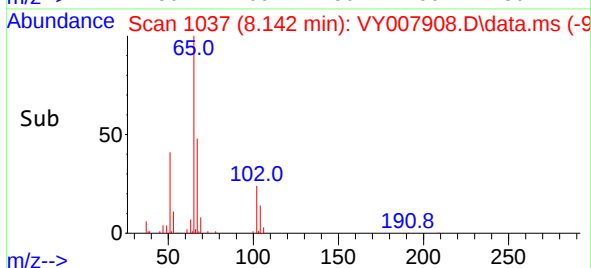
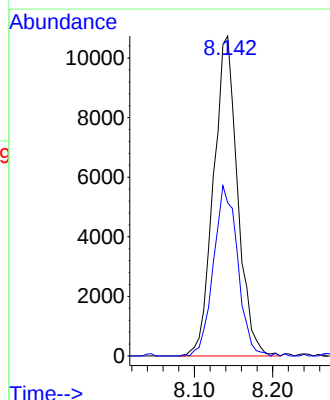
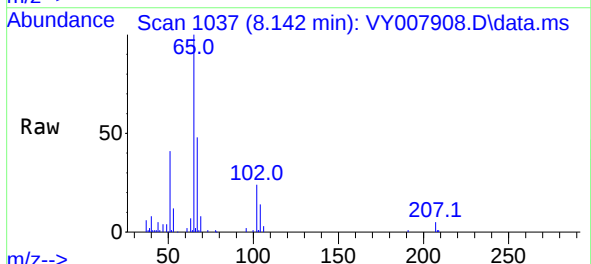
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

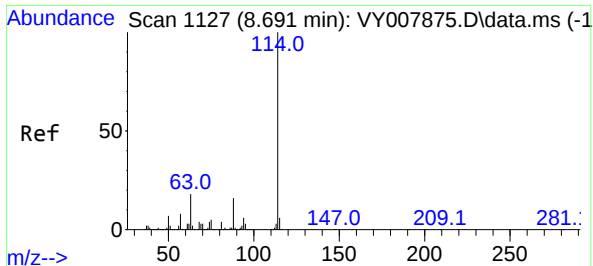
Tgt Ion: 43 Resp: 16329  
Ion Ratio Lower Upper  
43 100  
72 30.8 17.7 26.5#



#33  
1,2-Dichloroethane-d4  
Concen: 36.299 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.006 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Tgt Ion: 65 Resp: 22917  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007908.D

Acq: 18 Mar 2022 17:31

Instrument :

MSVOA\_Y

ClientSampleId :

DB-15-(10-15)-3-12-22

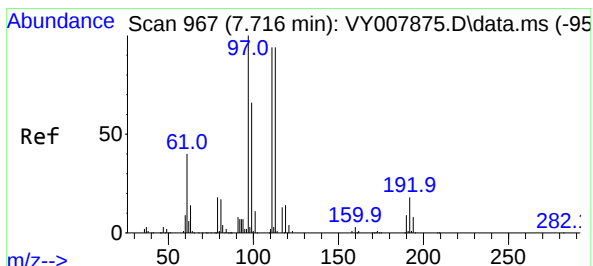
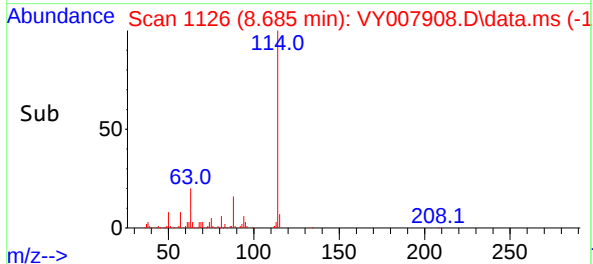
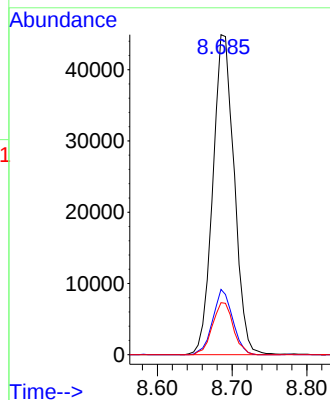
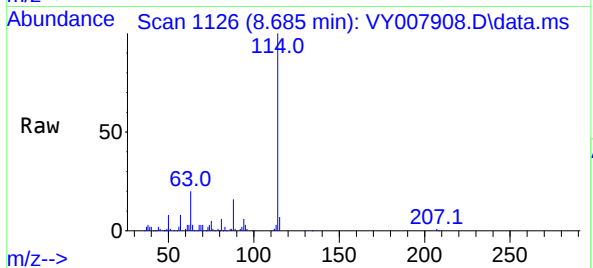
Tgt Ion:114 Resp: 89197

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 16.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 40.980 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY007908.D

Acq: 18 Mar 2022 17:31

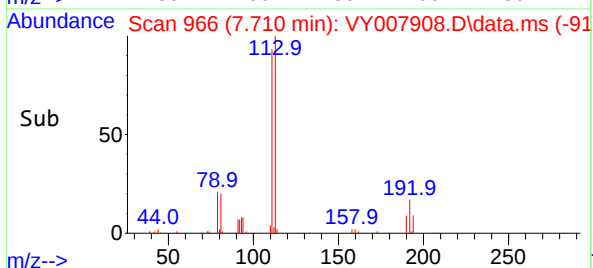
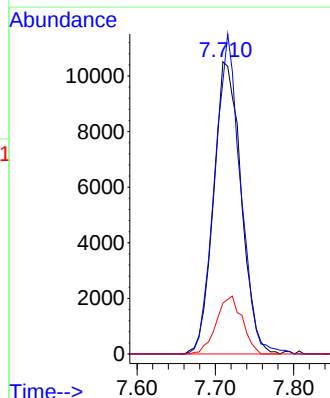
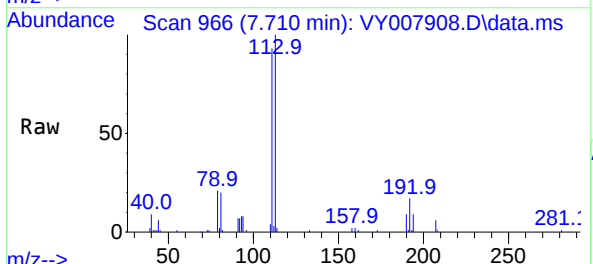
Tgt Ion:113 Resp: 25671

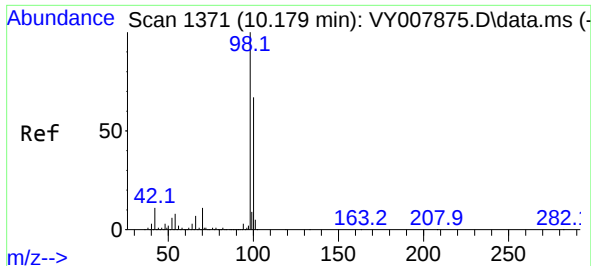
Ion Ratio Lower Upper

113 100

111 103.1 82.6 124.0

192 18.6 17.6 26.4

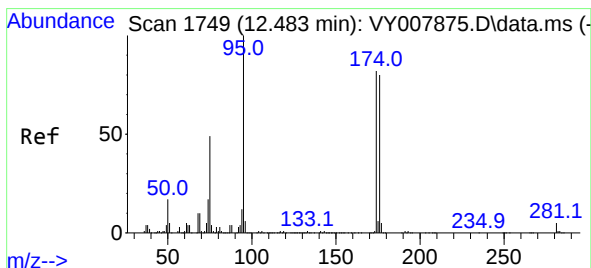
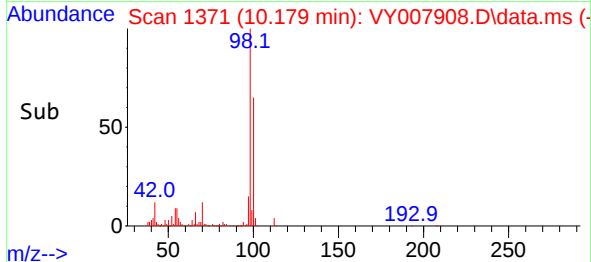
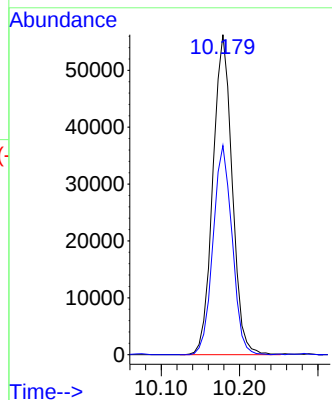
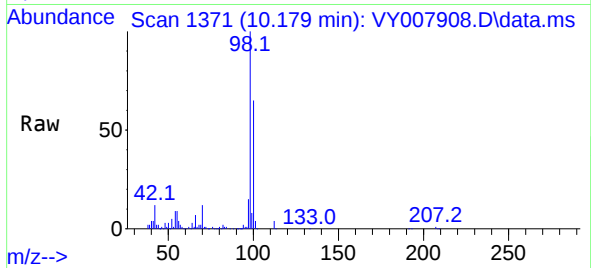




#50  
Toluene-d8  
Concen: 51.060 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

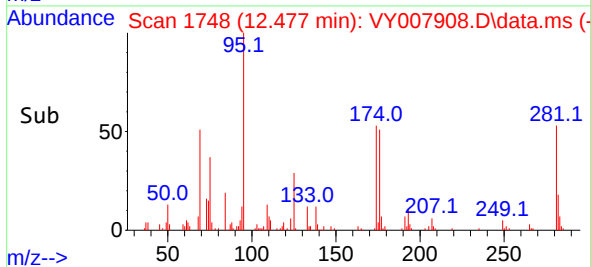
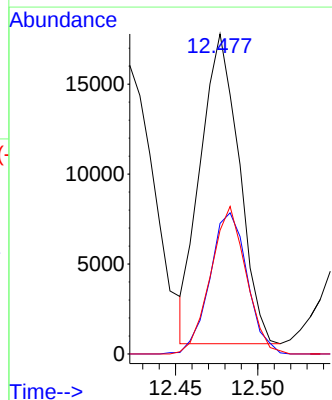
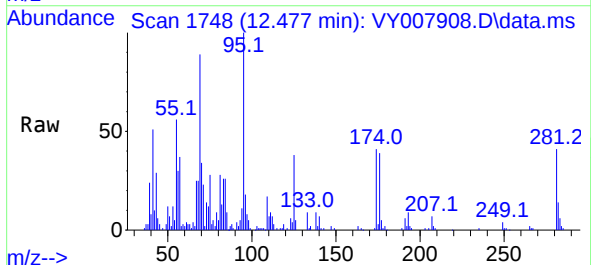
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

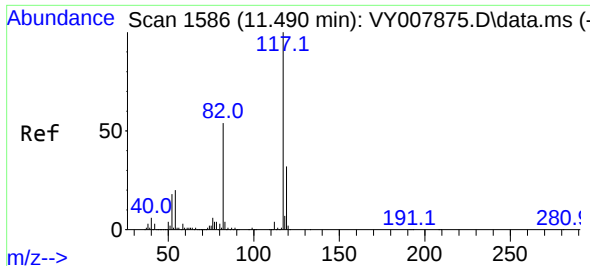
Tgt Ion: 98 Resp: 96303  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 31.289 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Tgt Ion: 95 Resp: 28130  
Ion Ratio Lower Upper  
95 100  
174 44.1 0.0 177.0  
176 43.7 0.0 175.8

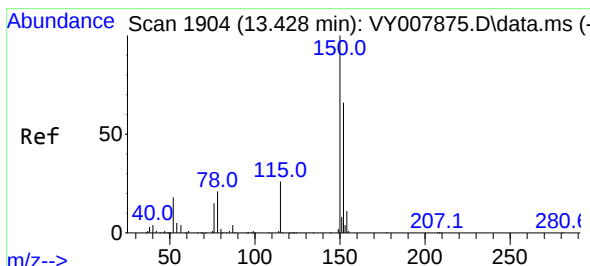
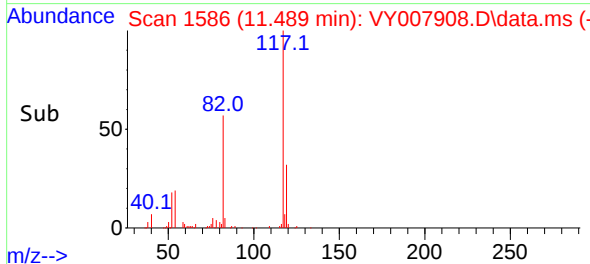
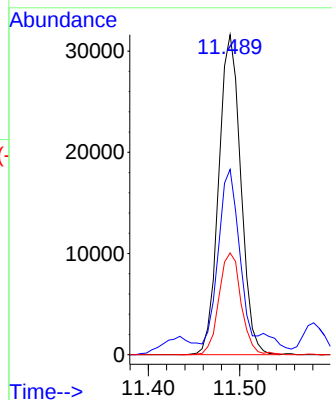
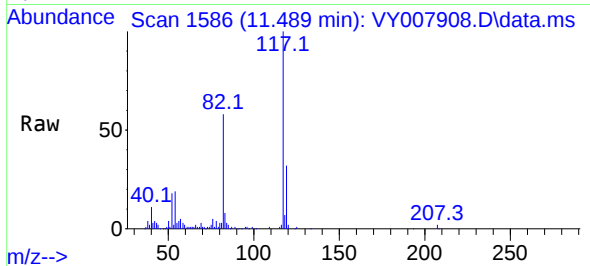




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

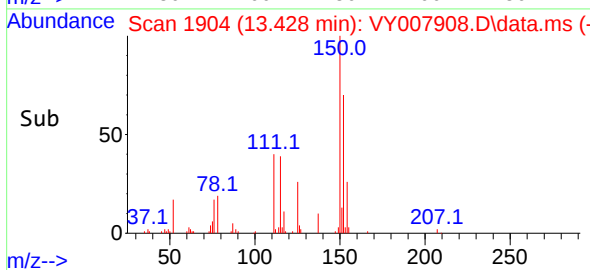
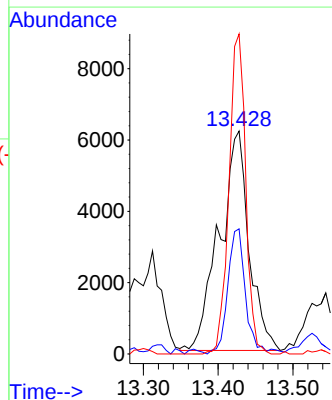
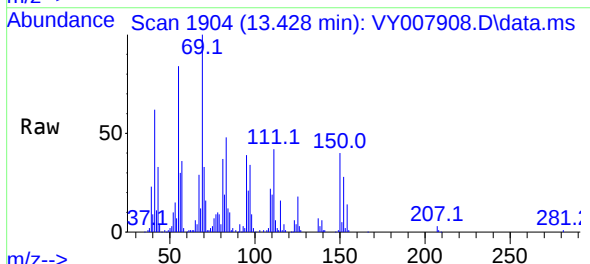
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

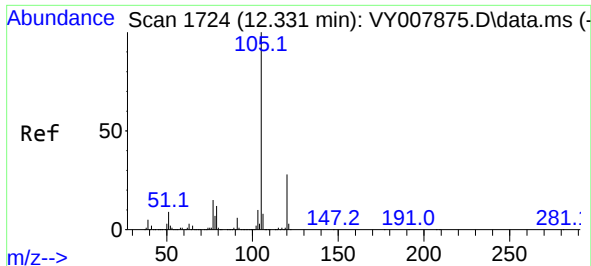
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 52995 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.8  | 43.0  | 64.4  |
| 119      | 31.8  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 16920 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 34.6  | 28.2  | 84.7  |
| 150      | 83.1  | 0.0   | 347.6 |

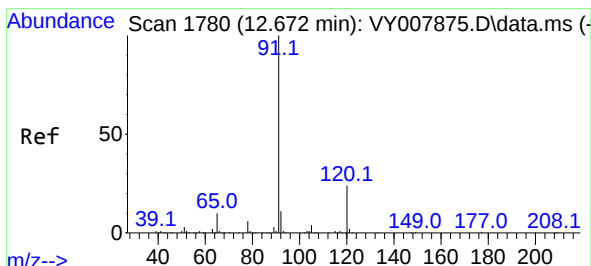
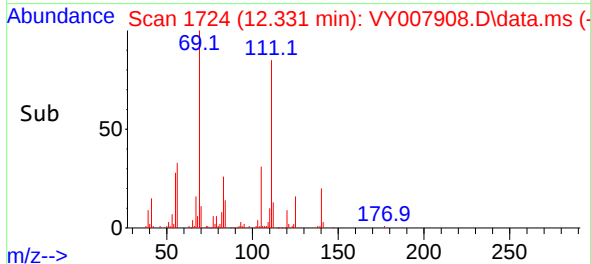
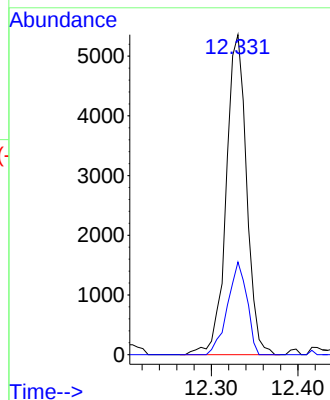
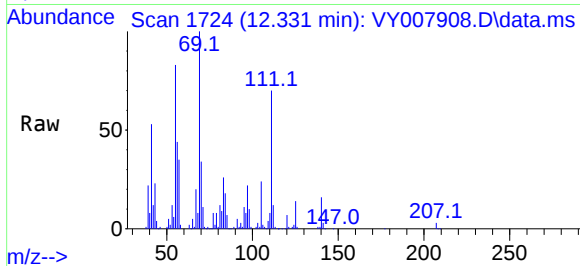




#73  
Isopropylbenzene  
Concen: 5.887 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

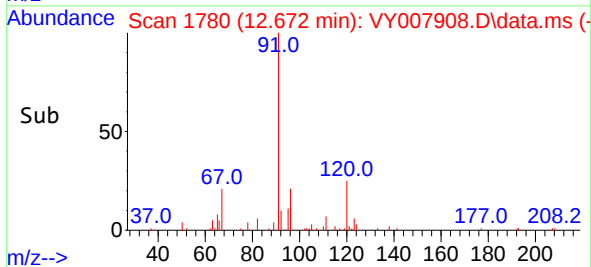
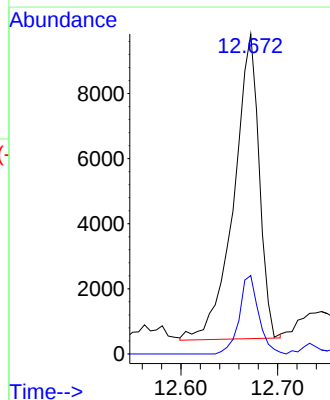
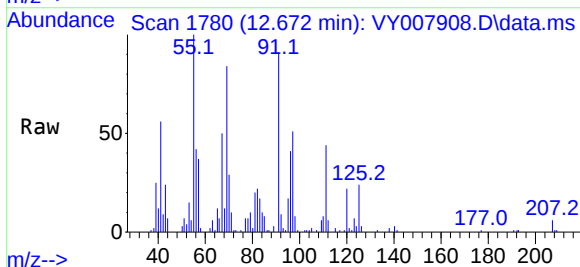
Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

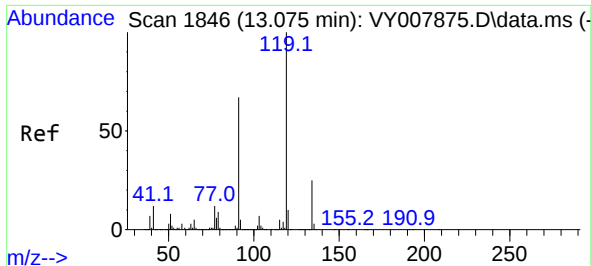
Tgt Ion:105 Resp: 8767  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.4 40.2



#78  
n-propylbenzene  
Concen: 9.437 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Tgt Ion: 91 Resp: 16972  
Ion Ratio Lower Upper  
91 100  
120 19.8 11.3 33.9

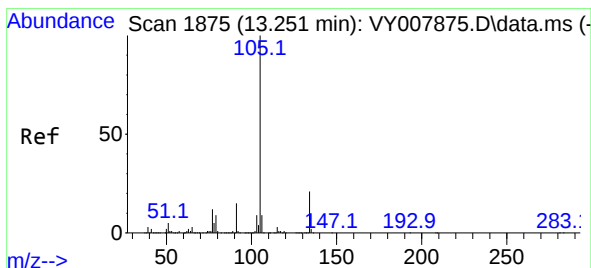
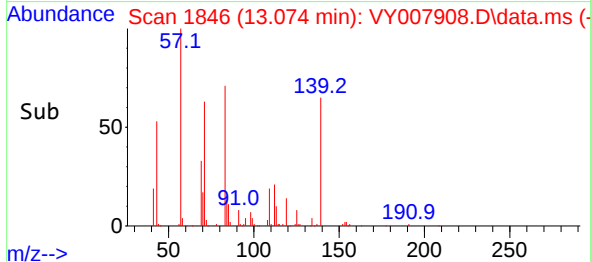
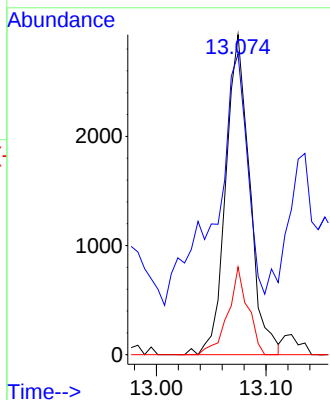
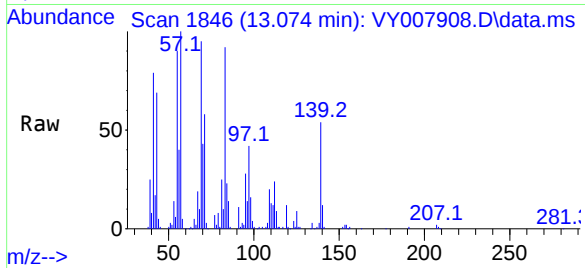




#83  
tert-Butylbenzene  
Concen: 4.067 ug/l  
RT: 13.074 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DB-15-(10-15)-3-12-22

Tgt Ion:119 Resp: 4458  
Ion Ratio Lower Upper  
119 100  
91 106.1 34.8 104.4#  
134 22.8 13.3 39.9



#85  
sec-Butylbenzene  
Concen: 26.059 ug/l  
RT: 13.251 min Scan# 1875  
Delta R.T. -0.000 min  
Lab File: VY007908.D  
Acq: 18 Mar 2022 17:31

Tgt Ion:105 Resp: 42804  
Ion Ratio Lower Upper  
105 100  
134 28.4 10.2 30.4

