

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
 Data File : VY004945.D  
 Acq On : 03 Jun 2021 18:32  
 Operator : SY/MD  
 Sample : M2589-15  
 Misc : 12.82G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 18-B11(2-4)

Quant Time: Jun 04 01:18:58 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 03 04:43:33 2021  
 Response via : Initial Calibration

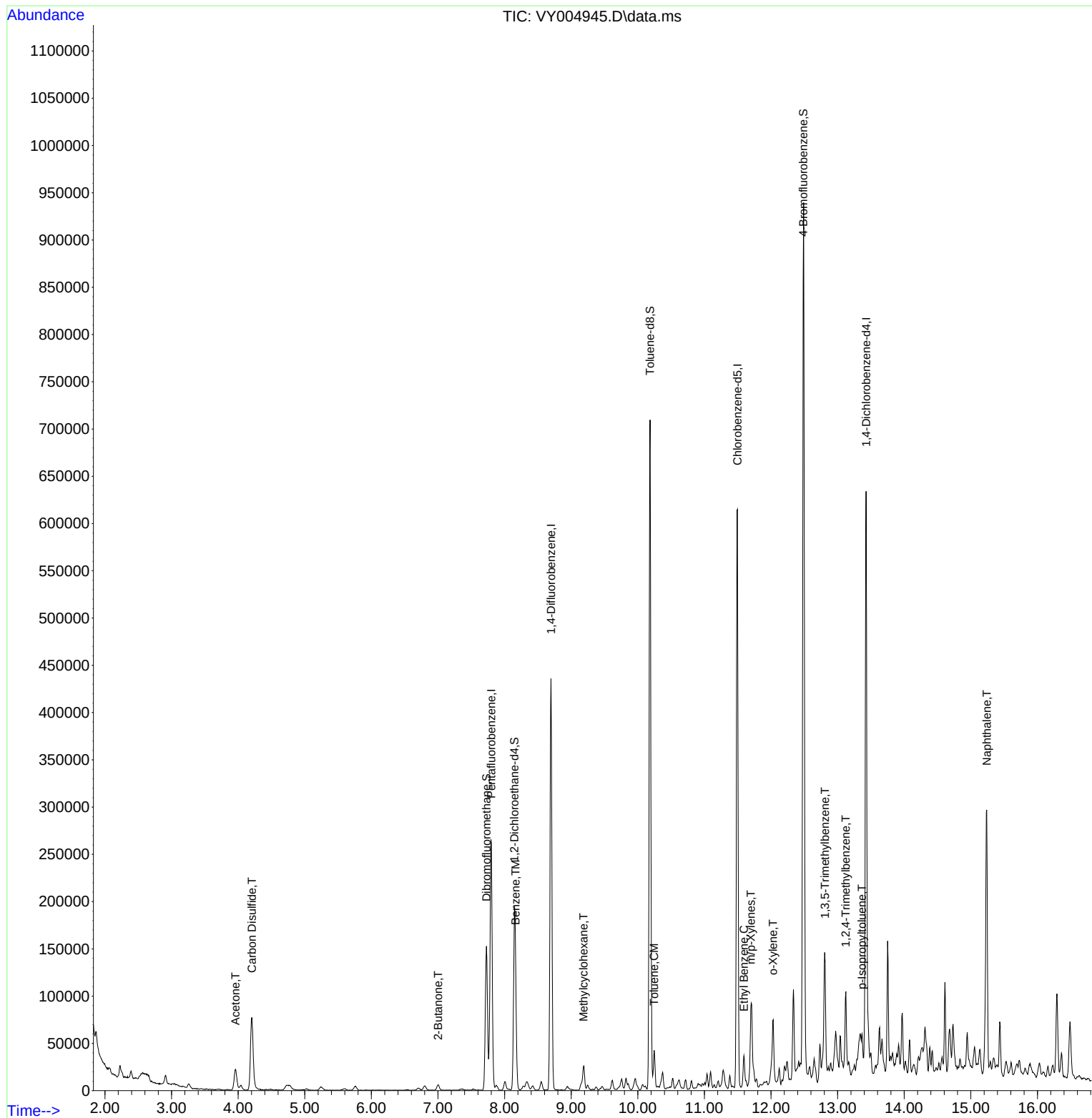
| Compound                    | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-----------------------------|--------|----------------|----------|------------|--------|----------|
| -----                       |        |                |          |            |        |          |
| Internal Standards          |        |                |          |            |        |          |
| 1) Pentafluorobenzene       | 7.801  | 168            | 194719   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114            | 356193   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117            | 328154   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152            | 153004   | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65             | 135497   | 65.822     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 50 - 163 | Recovery | = 131.640% |        |          |
| 35) Dibromofluoromethane    | 7.728  | 113            | 106619   | 55.636     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 54 - 147 | Recovery | = 111.280% |        |          |
| 50) Toluene-d8              | 10.185 | 98             | 436504   | 54.845     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 49 - 140 | Recovery | = 109.680% |        |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95             | 152364   | 55.664     | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range 25 - 144 | Recovery | = 111.320% |        |          |
| Target Compounds            |        |                |          |            |        |          |
|                             |        |                |          |            | Qvalue |          |
| 16) Acetone                 | 3.960  | 43             | 37997    | 76.678     | ug/l   | 100      |
| 17) Carbon Disulfide        | 4.204  | 76             | 150937   | 24.528     | ug/l   | 97       |
| 25) 2-Butanone              | 7.002  | 43             | 9309     | 11.172     | ug/l # | 86       |
| 39) Methylcyclohexane       | 9.185  | 83             | 9143     | 2.374      | ug/l   | 88       |
| 40) Benzene                 | 8.167  | 78             | 39474    | 3.958      | ug/l   | 96       |
| 52) Toluene                 | 10.246 | 92             | 15729    | 2.606      | ug/l   | 99       |
| 67) Ethyl Benzene           | 11.593 | 91             | 20325    | 1.692      | ug/l   | 98       |
| 68) m/p-Xylenes             | 11.697 | 106            | 20742    | 4.607      | ug/l   | 96       |
| 69) o-Xylene                | 12.032 | 106            | 16110    | 3.843      | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene  | 12.812 | 105            | 21977    | 2.305      | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105            | 42458    | 4.481      | ug/l   | 97       |
| 86) p-Isopropyltoluene      | 13.367 | 119            | 13974    | 1.387      | ug/l   | 95       |
| 95) Naphthalene             | 15.239 | 128            | 224224   | 37.391     | ug/l   | 99       |
| -----                       |        |                |          |            |        |          |

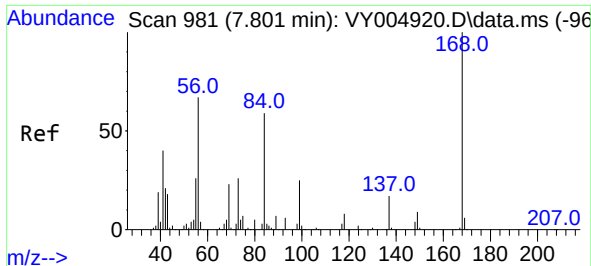
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060321\  
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Sample : M2589-15  
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ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

Quant Time: Jun 04 01:18:58 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060221S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 03 04:43:33 2021  
Response via : Initial Calibration

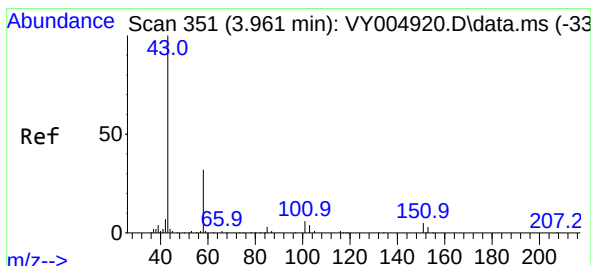
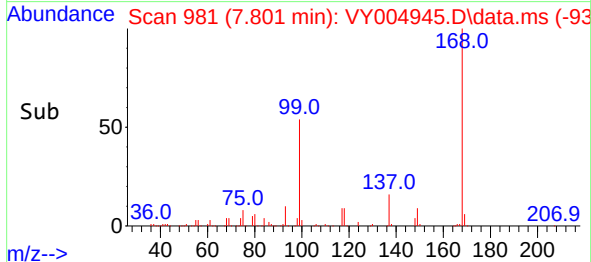
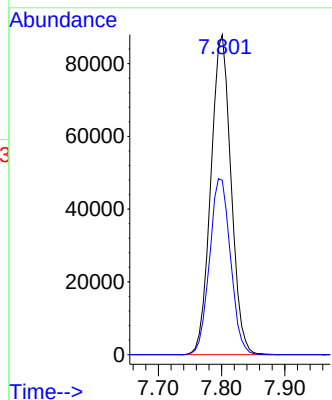
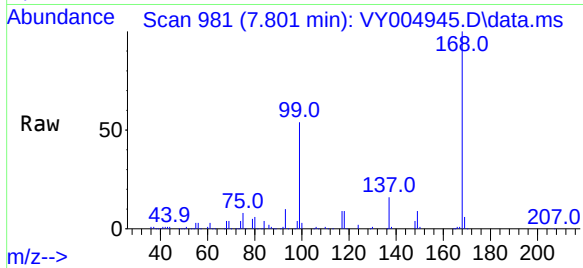




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

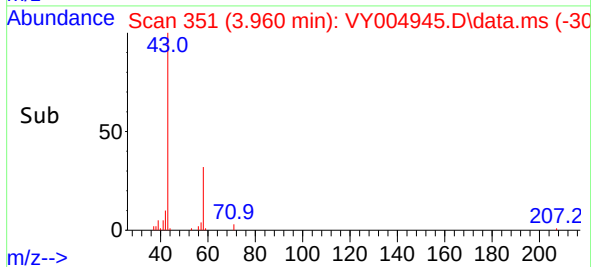
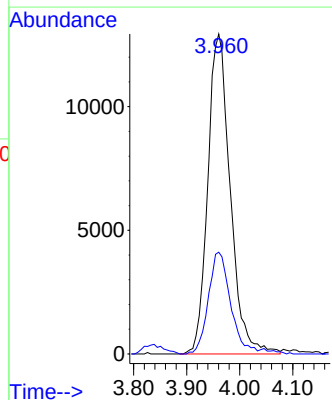
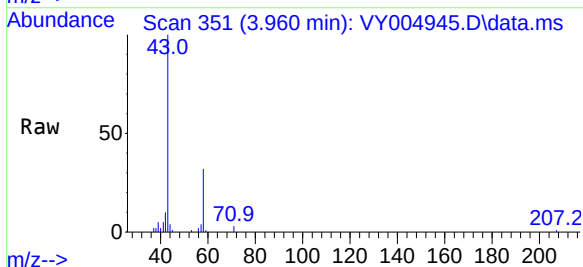
Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

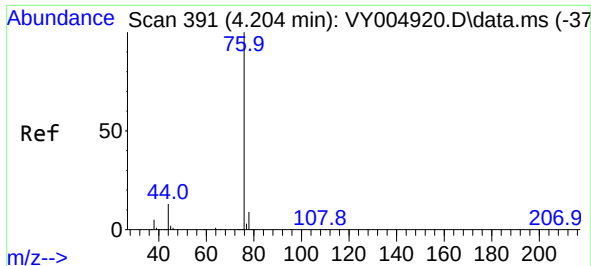
Tgt Ion:168 Resp: 194719  
Ion Ratio Lower Upper  
168 100  
99 54.5 43.9 65.9



#16  
Acetone  
Concen: 76.678 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 43 Resp: 37997  
Ion Ratio Lower Upper  
43 100  
58 31.8 25.3 37.9

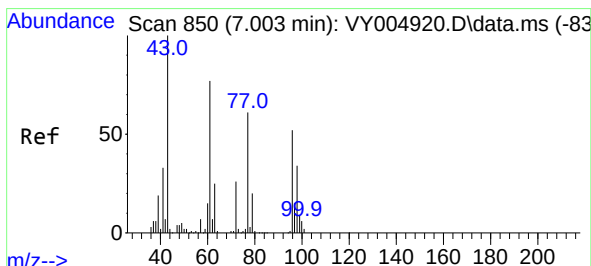
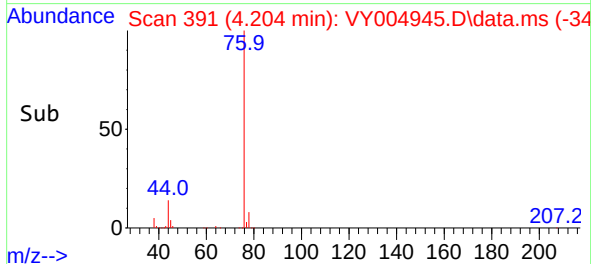
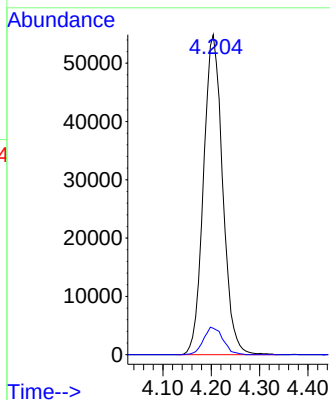
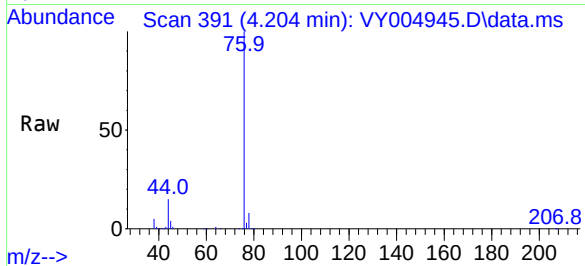




#17  
Carbon Disulfide  
Concen: 24.528 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

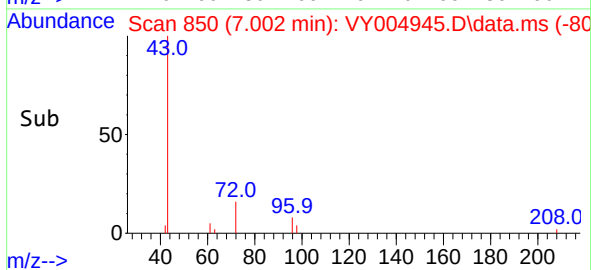
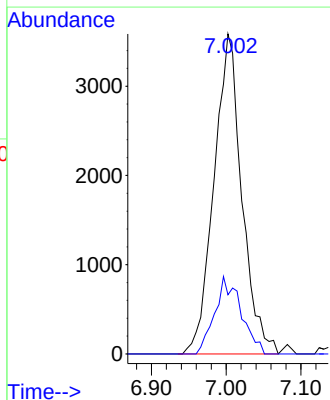
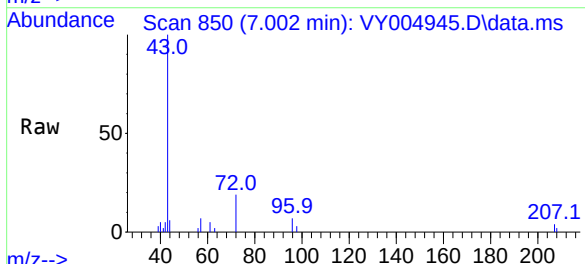
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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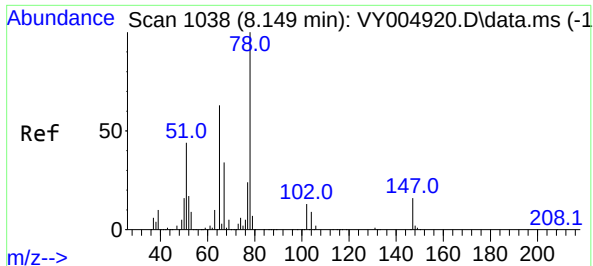
Tgt Ion: 76 Resp: 150937  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.6 11.4



#25  
2-Butanone  
Concen: 11.172 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 43 Resp: 9309  
Ion Ratio Lower Upper  
43 100  
72 18.5 20.6 31.0#

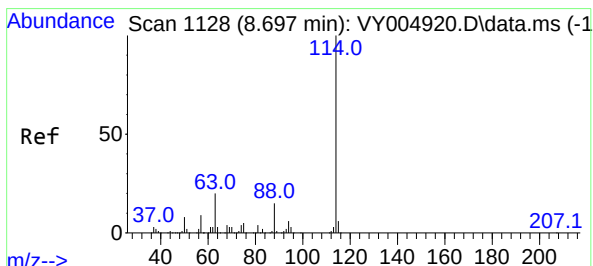
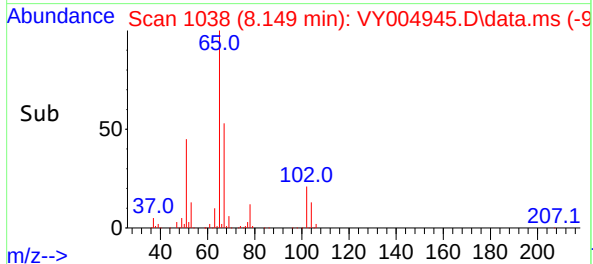
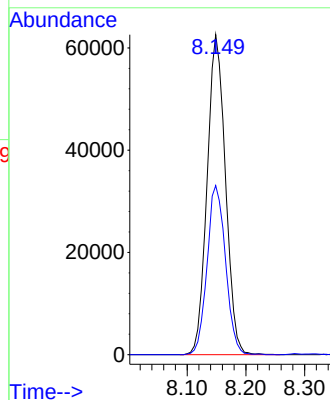
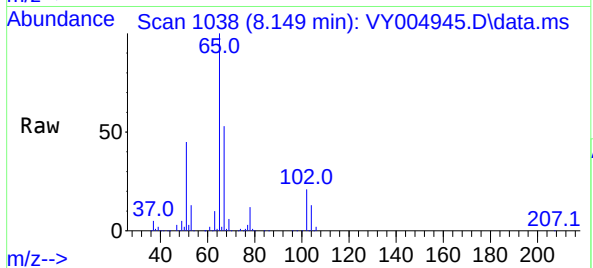




#33  
1,2-Dichloroethane-d4  
Concen: 65.822 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

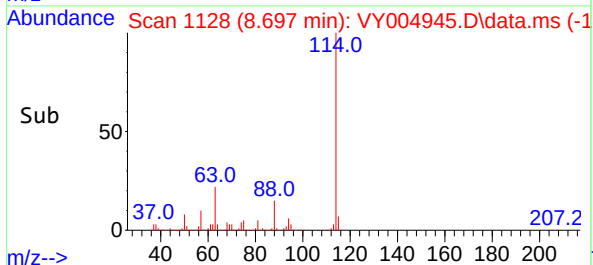
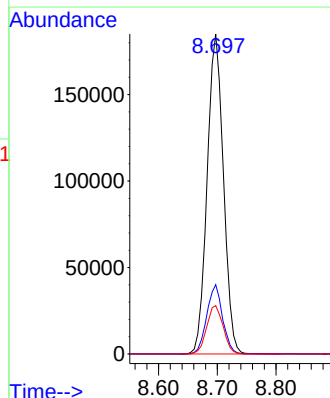
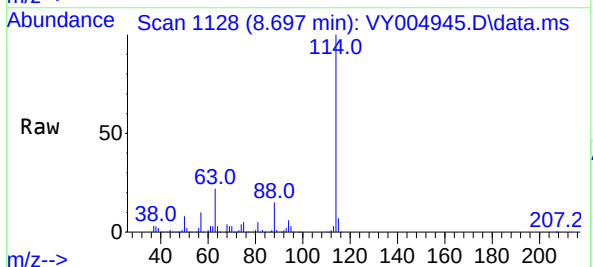
Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

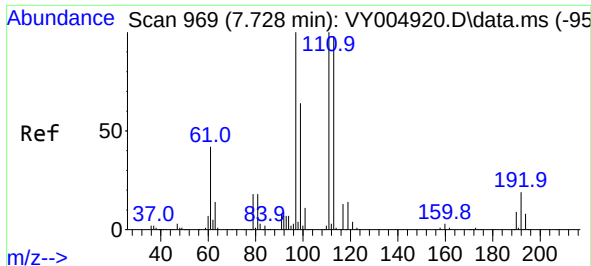
Tgt Ion: 65 Resp: 135497  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 110.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion:114 Resp: 356193  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 41.0  
88 15.1 0.0 30.6



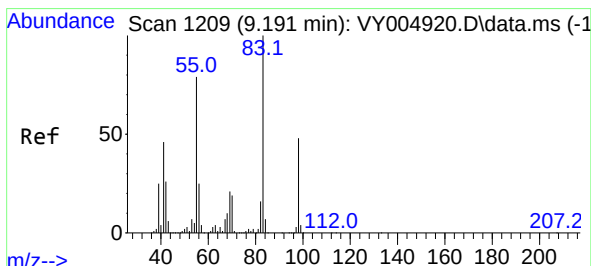
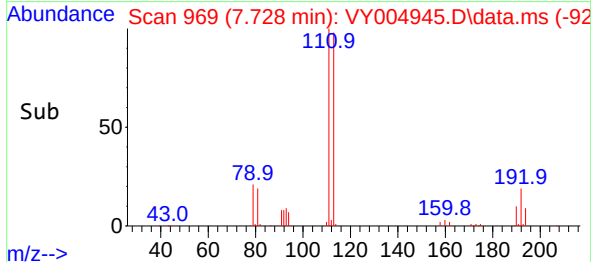
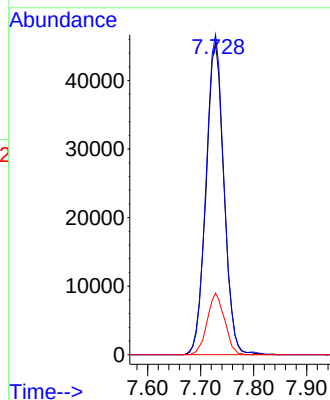
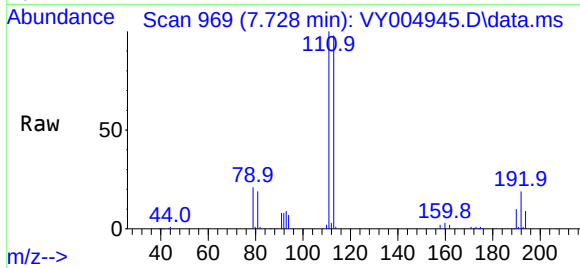


#35  
Dibromofluoromethane  
Concen: 55.636 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

Tgt Ion:113 Resp: 106619

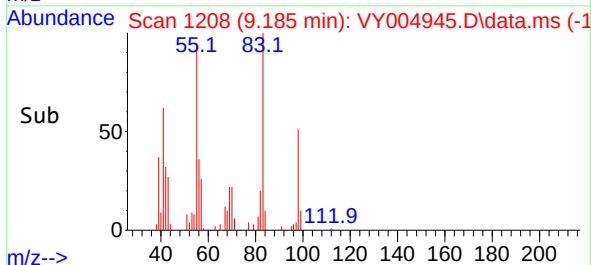
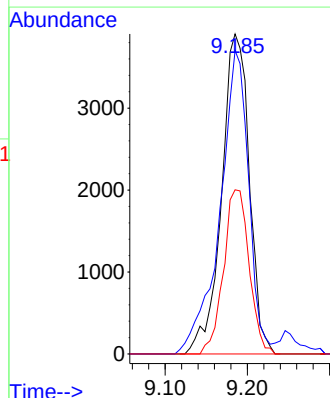
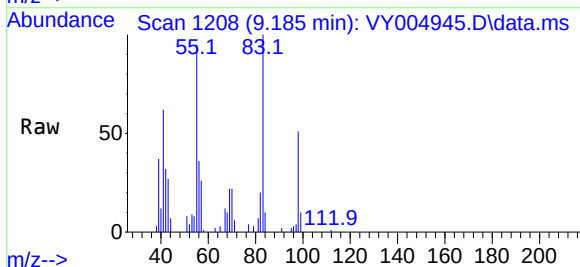
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.9 | 81.8  | 122.8 |
| 192 | 19.1  | 15.3  | 22.9  |

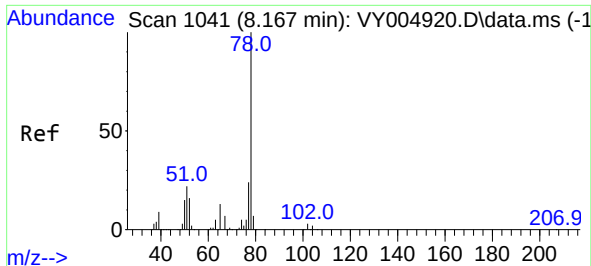


#39  
Methylcyclohexane  
Concen: 2.374 ug/l  
RT: 9.185 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 83 Resp: 9143

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 93.5  | 63.1  | 94.7  |
| 98  | 51.3  | 38.6  | 58.0  |

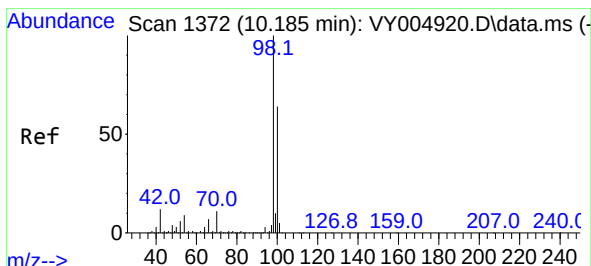
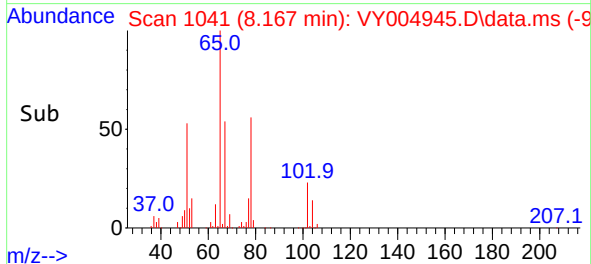
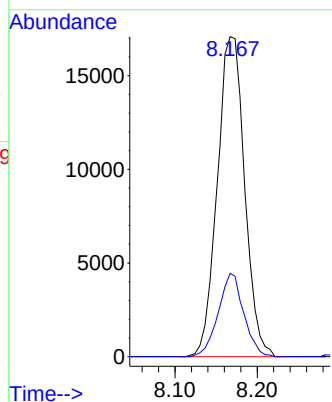
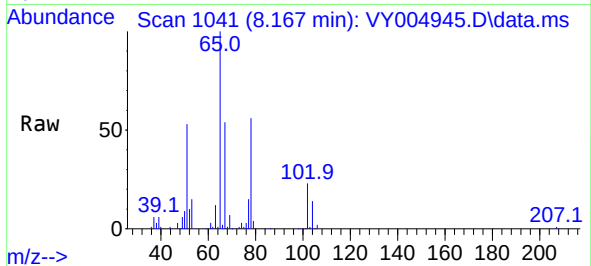




#40  
Benzene  
Concen: 3.958 ug/l  
RT: 8.167 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

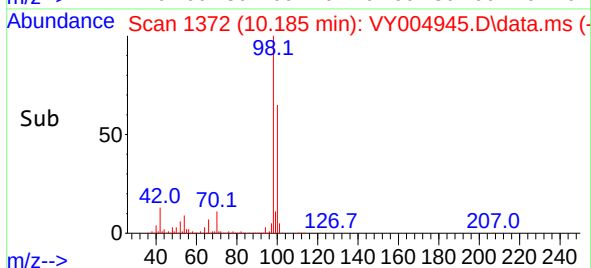
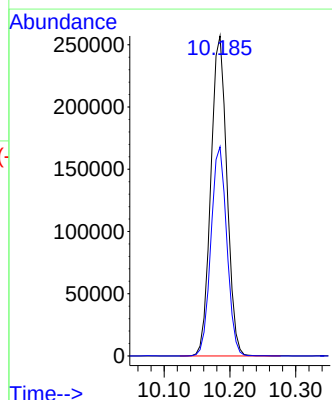
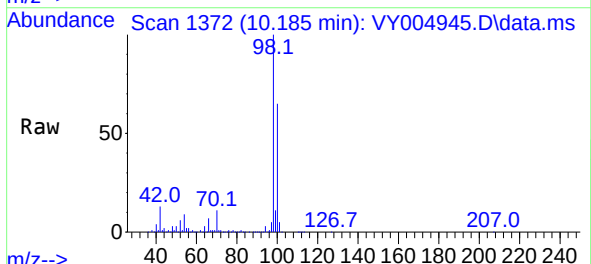
Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

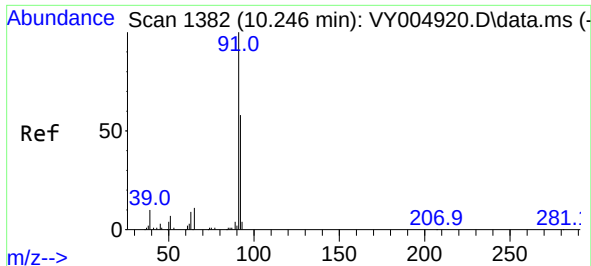
Tgt Ion: 78 Resp: 39474  
Ion Ratio Lower Upper  
78 100  
77 26.1 19.4 29.2



#50  
Toluene-d8  
Concen: 54.845 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 98 Resp: 436504  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.8 77.6

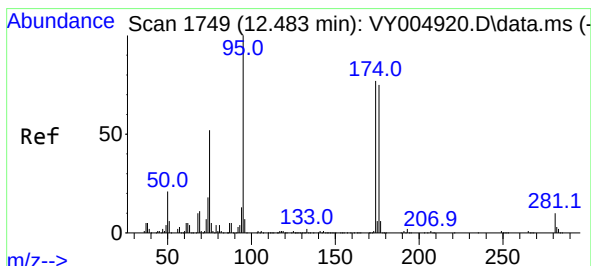
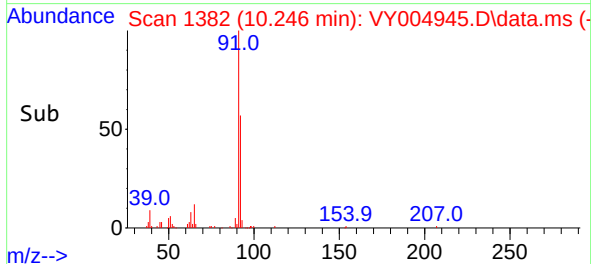
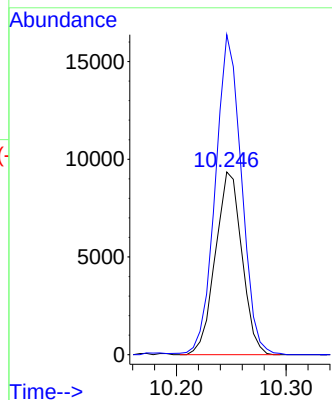
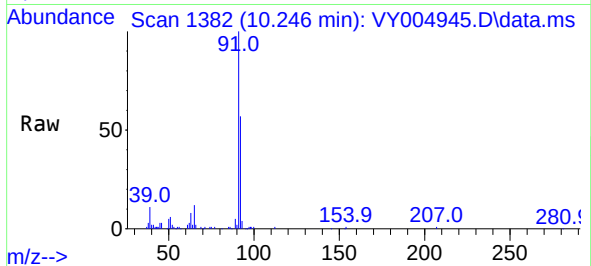




#52  
Toluene  
Concen: 2.606 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

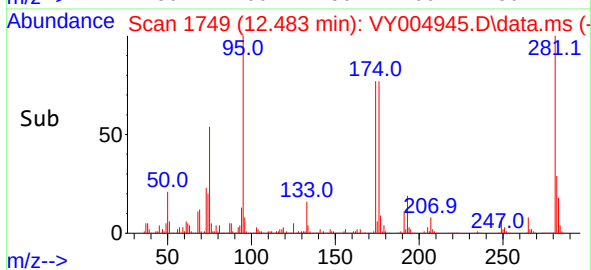
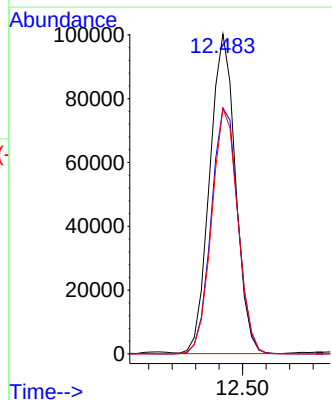
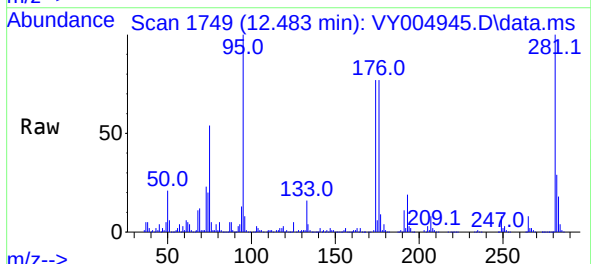
Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

Tgt Ion: 92 Resp: 15729  
Ion Ratio Lower Upper  
92 100  
91 173.0 139.3 208.9

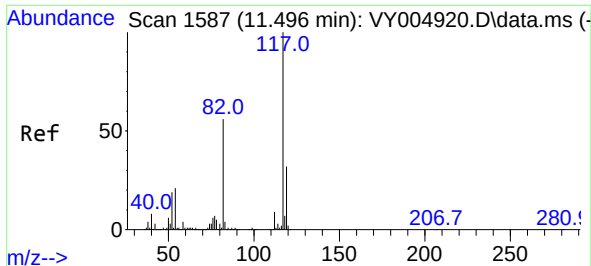


#62  
4-Bromofluorobenzene  
Concen: 55.664 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 95 Resp: 152364  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 160.8  
176 78.0 0.0 155.6



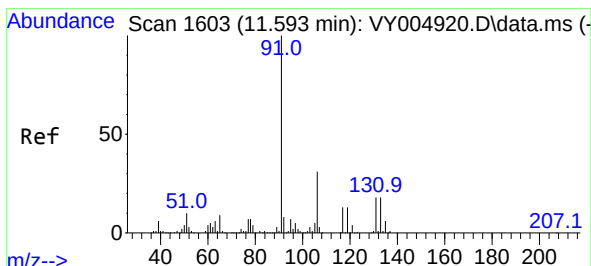
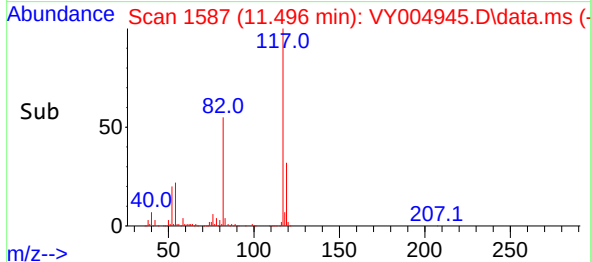
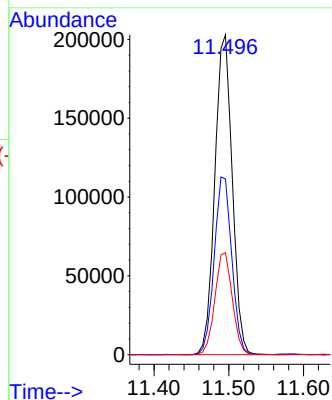
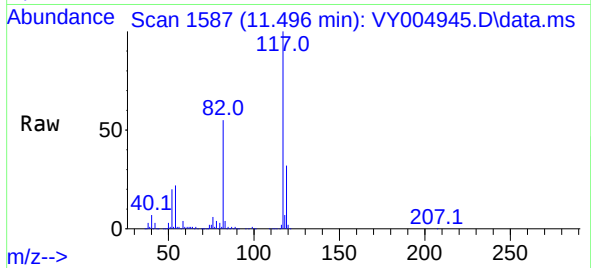




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

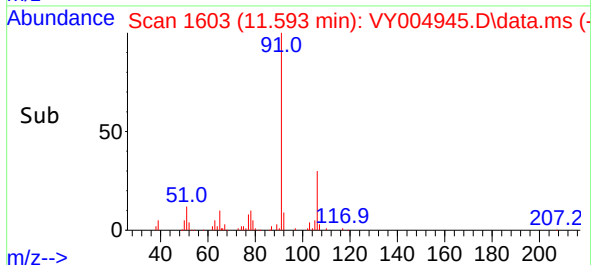
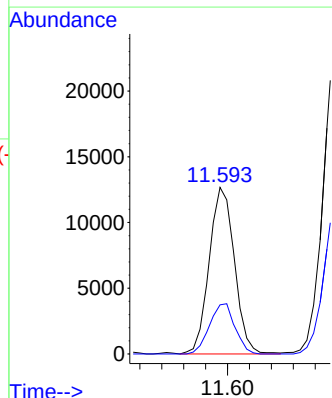
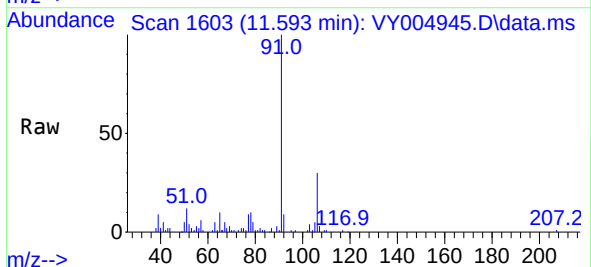
Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

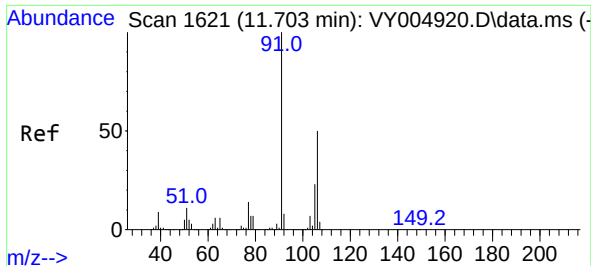
Tgt Ion:117 Resp: 328154  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.8 67.2  
119 31.8 25.2 37.8



#67  
Ethyl Benzene  
Concen: 1.692 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion: 91 Resp: 20325  
Ion Ratio Lower Upper  
91 100  
106 29.5 24.6 36.8

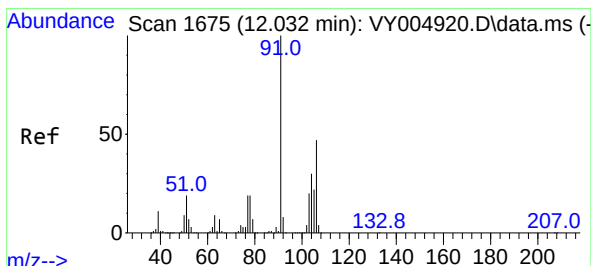
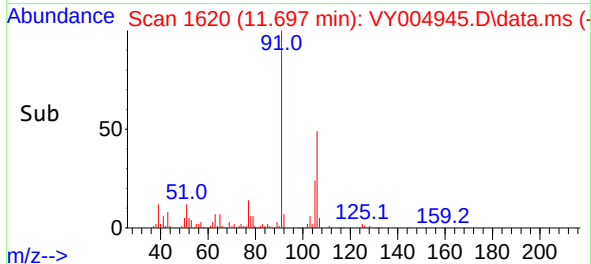
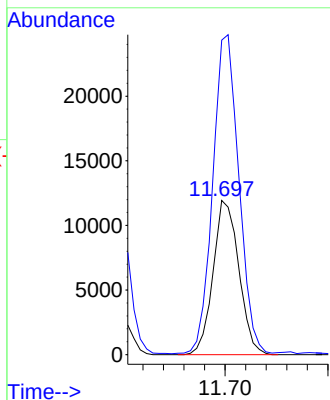
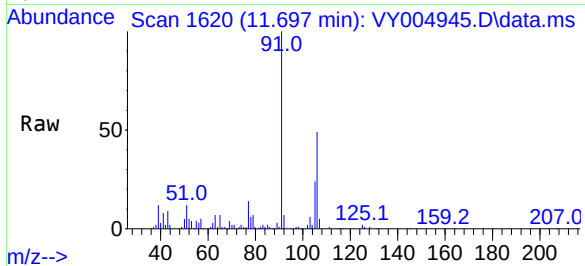




#68  
m/p-Xylenes  
Concen: 4.607 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

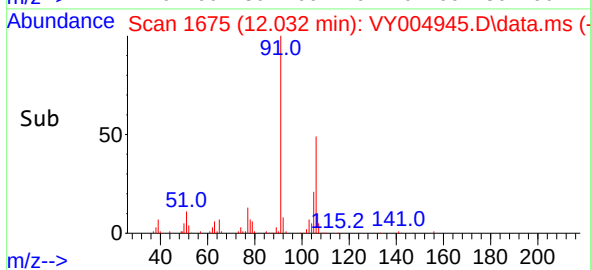
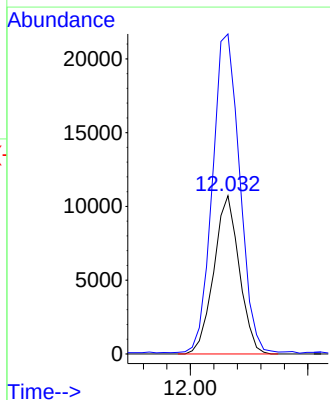
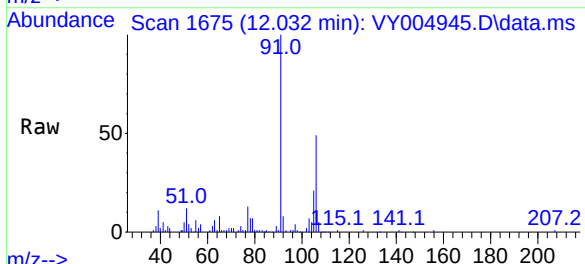
Instrument :  
MSVOA\_Y  
ClientSampled :  
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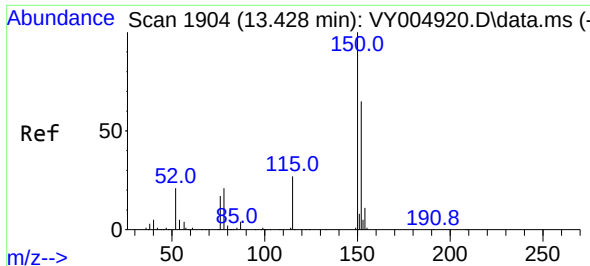
Tgt Ion:106 Resp: 20742  
Ion Ratio Lower Upper  
106 100  
91 209.1 161.9 242.9



#69  
o-Xylene  
Concen: 3.843 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion:106 Resp: 16110  
Ion Ratio Lower Upper  
106 100  
91 216.6 108.0 324.0

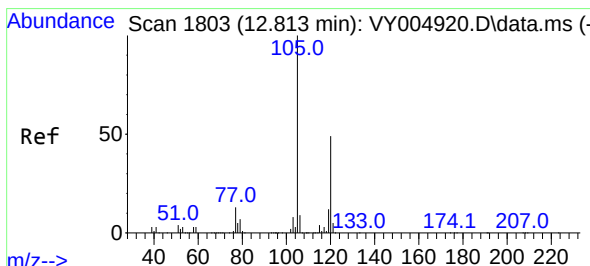
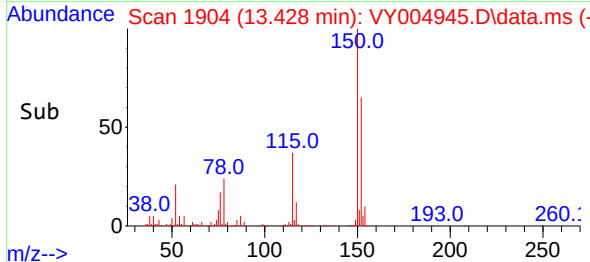
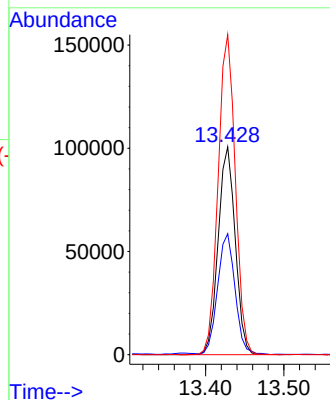
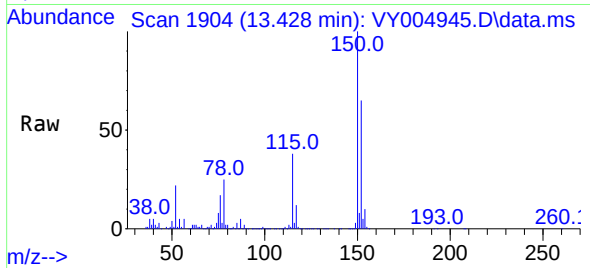




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

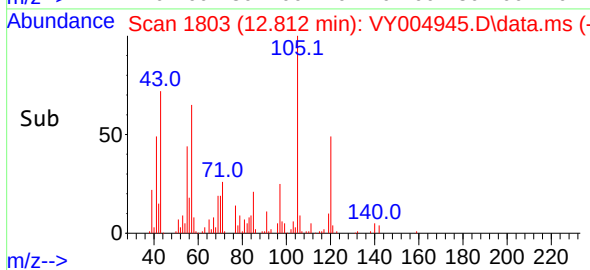
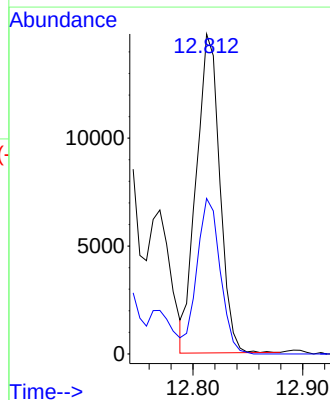
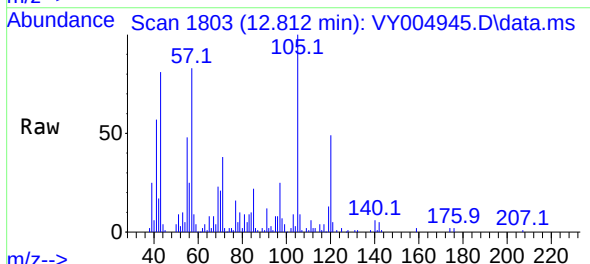
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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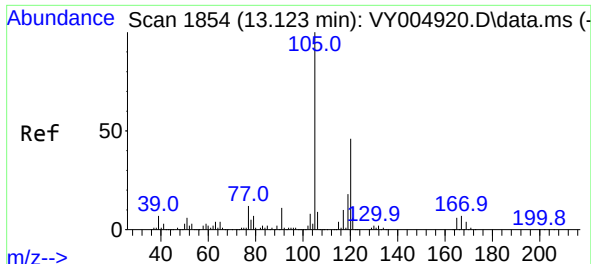
Tgt Ion:152 Resp: 153004  
Ion Ratio Lower Upper  
152 100  
115 59.3 29.9 89.7  
150 154.7 0.0 347.8



#80  
1,3,5-Trimethylbenzene  
Concen: 2.305 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion:105 Resp: 21977  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.5 73.5

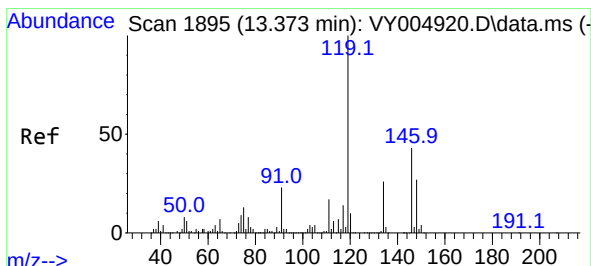
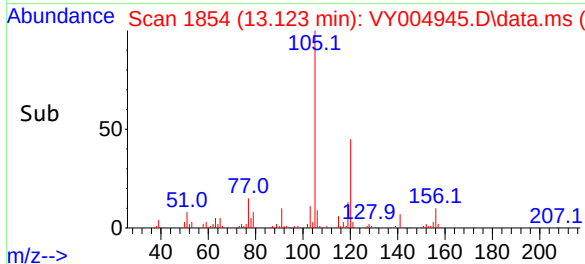
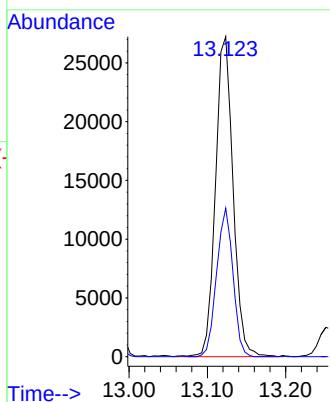
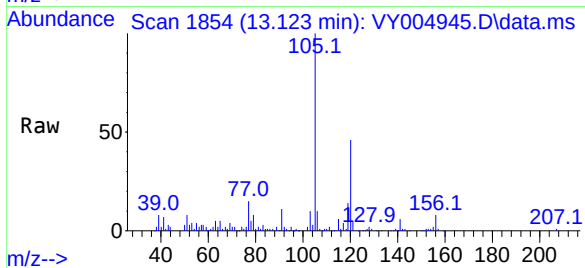




#84  
1,2,4-Trimethylbenzene  
Concen: 4.481 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

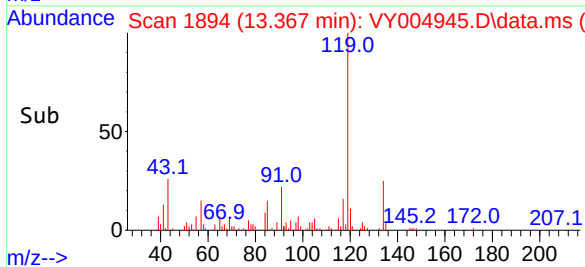
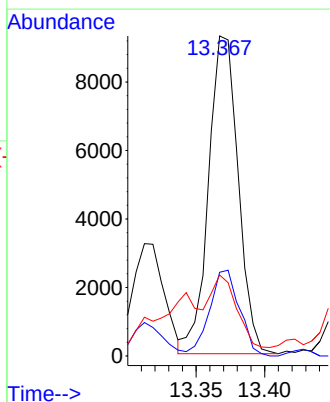
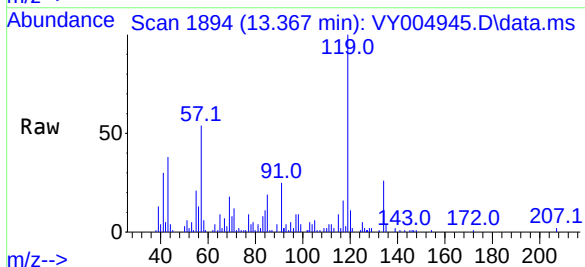
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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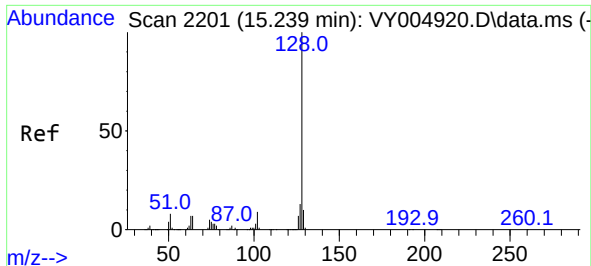
Tgt Ion:105 Resp: 42458  
Ion Ratio Lower Upper  
105 100  
120 43.1 22.6 67.7



#86  
p-Isopropyltoluene  
Concen: 1.387 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. -0.006 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Tgt Ion:119 Resp: 13974  
Ion Ratio Lower Upper  
119 100  
134 27.2 12.9 38.7  
91 19.6 11.9 35.5





#95  
Naphthalene  
Concen: 37.391 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: VY004945.D  
Acq: 03 Jun 2021 18:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
18-B11(2-4)

Tgt Ion:128 Resp: 224224  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 10.8 8.7 13.1

