

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
 Data File : VY004135.D  
 Acq On : 19 Mar 2021 13:38  
 Operator : SY/MD  
 Sample : M1721-01  
 Misc : 6.51g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-05-031821

Quant Time: Mar 20 03:13:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 08 12:28:55 2021  
 Response via : Initial Calibration

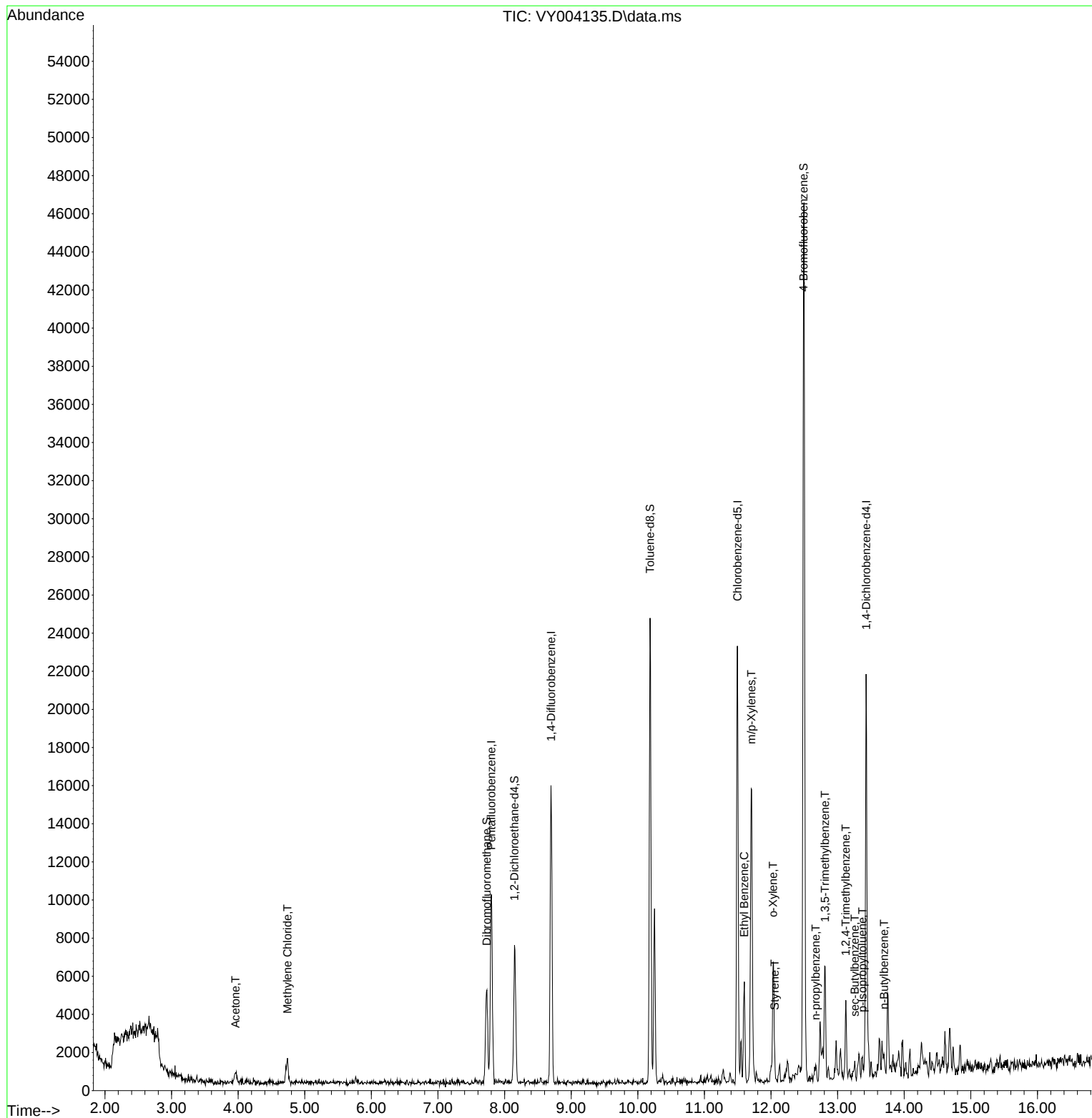
| Compound                    | R.T.           | QIon | Response           | Conc  | Units  | Dev(Min) |
|-----------------------------|----------------|------|--------------------|-------|--------|----------|
| -----                       |                |      |                    |       |        |          |
| Internal Standards          |                |      |                    |       |        |          |
| 1) Pentafluorobenzene       | 7.801          | 168  | 7774               | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697          | 114  | 13859              | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.495         | 117  | 12717              | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 4888               | 50.00 | ug/l   | 0.00     |
|                             |                |      |                    |       |        |          |
| System Monitoring Compounds |                |      |                    |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.148          | 65   | 5486               | 71.51 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = 143.02% |       |        |          |
| 35) Dibromofluoromethane    | 7.734          | 113  | 3534               | 45.22 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = 90.44%  |       |        |          |
| 50) Toluene-d8              | 10.185         | 98   | 16113              | 52.59 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = 105.18% |       |        |          |
| 62) 4-Bromofluorobenzene    | 12.489         | 95   | 5570               | 49.22 | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = 98.44%  |       |        |          |
|                             |                |      |                    |       |        |          |
| Target Compounds            |                |      |                    |       | Qvalue |          |
| 16) Acetone                 | 3.960          | 43   | 985                | 53.19 | ug/l # | 88       |
| 20) Methylene Chloride      | 4.740          | 84   | 831                | 6.82  | ug/l # | 78       |
| 67) Ethyl Benzene           | 11.599         | 91   | 4026               | 9.00  | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.703         | 106  | 4459               | 26.13 | ug/l   | 98       |
| 69) o-Xylene                | 12.032         | 106  | 1546               | 9.58  | ug/l   | 97       |
| 70) Styrene                 | 12.056         | 104  | 662                | 2.40  | ug/l # | 85       |
| 78) n-propylbenzene         | 12.672         | 91   | 811                | 2.03  | ug/l # | 75       |
| 80) 1,3,5-Trimethylbenzene  | 12.812         | 105  | 1155               | 4.01  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene  | 13.123         | 105  | 2245               | 7.78  | ug/l   | 96       |
| 85) sec-Butylbenzene        | 13.257         | 105  | 436                | 1.28  | ug/l   | 93       |
| 86) p-Isopropyltoluene      | 13.373         | 119  | 354                | 1.12  | ug/l # | 64       |
| 89) n-Butylbenzene          | 13.696         | 91   | 506                | 1.68  | ug/l # | 78       |
| -----                       |                |      |                    |       |        |          |

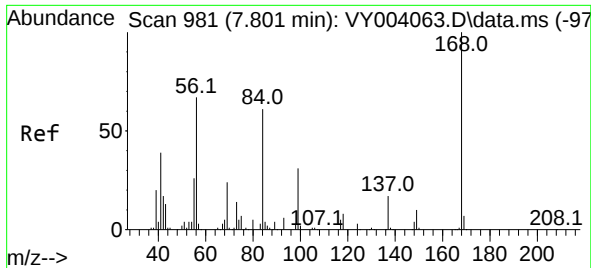
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031921\  
Data File : VY004135.D  
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Operator : SY/MD  
Sample : M1721-01  
Misc : 6.51g/5mL/MSVOA\_Y/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

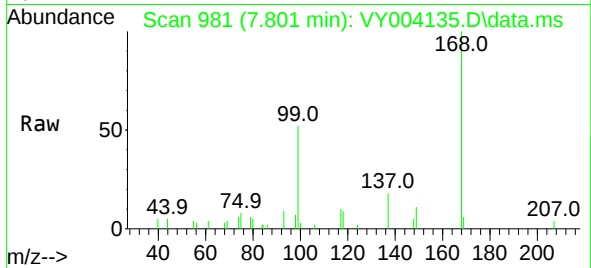
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030821S.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 08 12:28:55 2021  
Response via : Initial Calibration



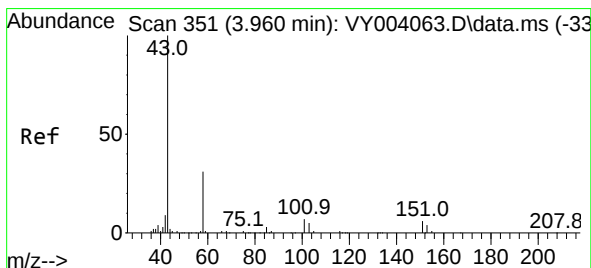
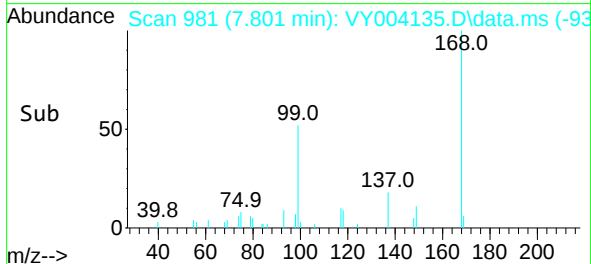
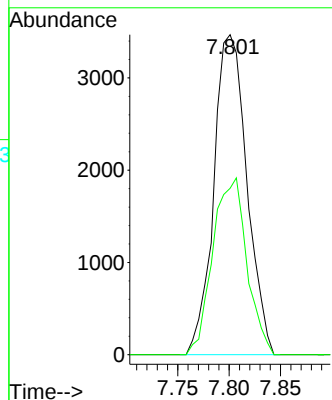


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

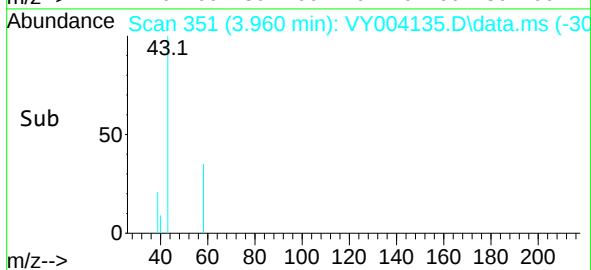
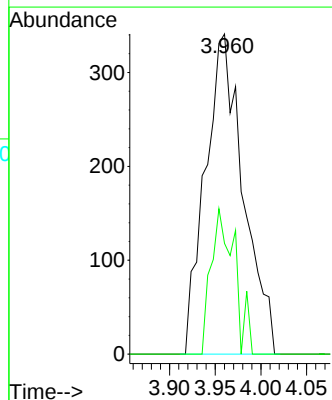
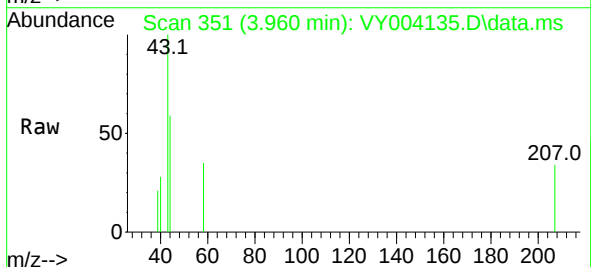


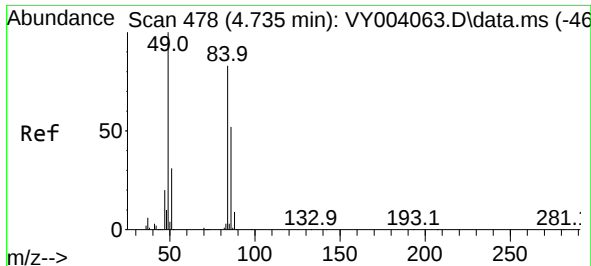
Tgt Ion:168 Resp: 7774  
Ion Ratio Lower Upper  
168 100  
99 52.0 41.2 61.8



#16  
Acetone  
Concen: 53.19 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion: 43 Resp: 985  
Ion Ratio Lower Upper  
43 100  
58 34.6 22.6 34.0#

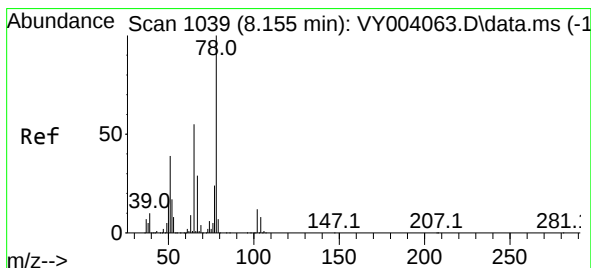
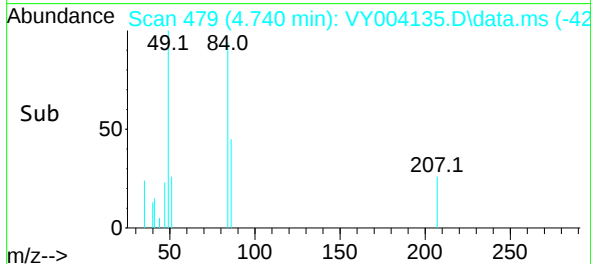
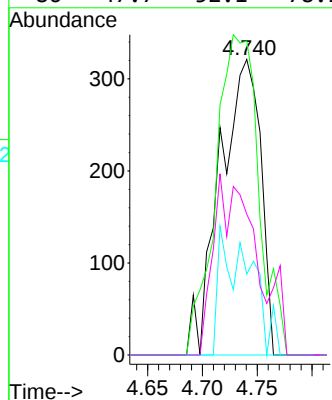
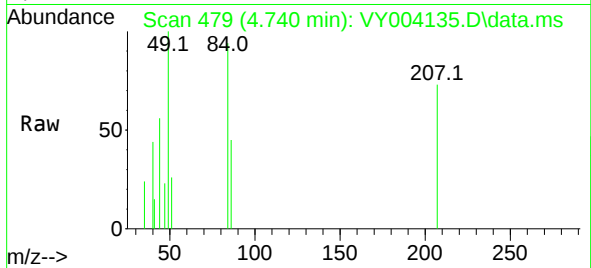




#20  
Methylene Chloride  
Concen: 6.82 ug/l  
RT: 4.740 min Scan# 479  
Delta R.T. 0.005 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

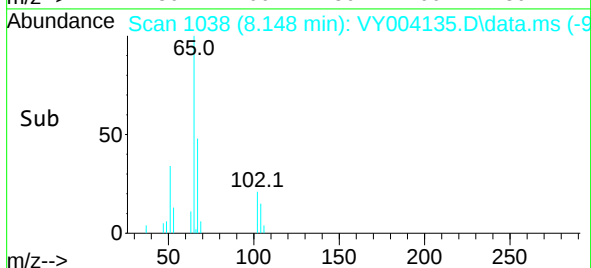
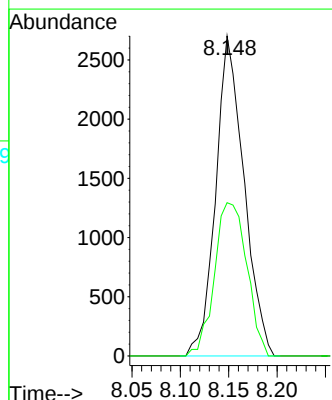
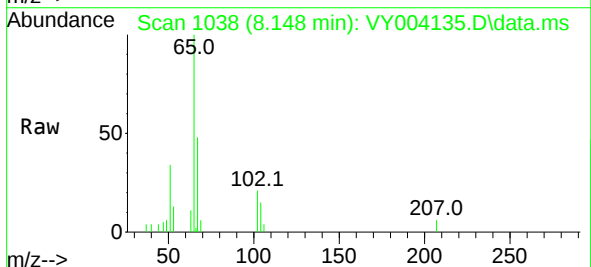
Instrument :  
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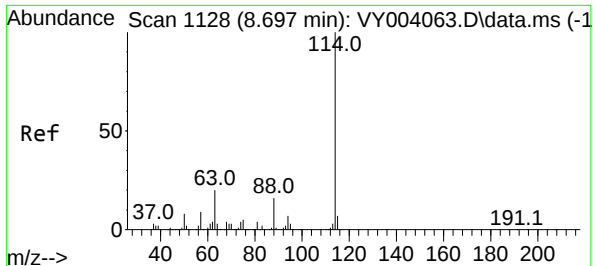
Tgt Ion: 84 Resp: 831  
Ion Ratio Lower Upper  
84 100  
49 106.2 105.8 158.6  
51 27.4 32.6 48.8#  
86 47.7 52.1 78.1#



#33  
1,2-Dichloroethane-d4  
Concen: 71.51 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.007 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion: 65 Resp: 5486  
Ion Ratio Lower Upper  
65 100  
67 54.7 0.0 101.4

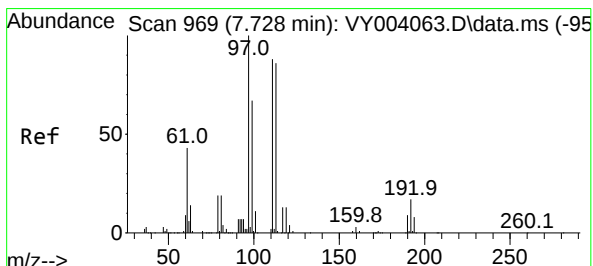
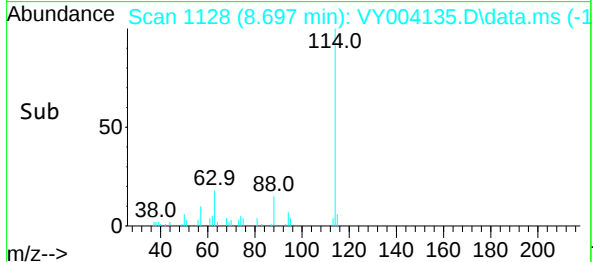
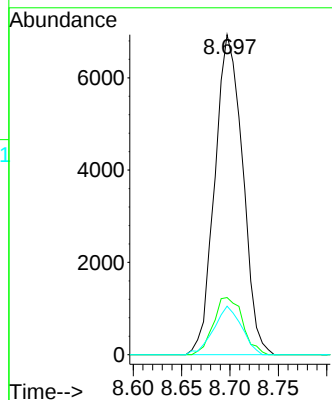
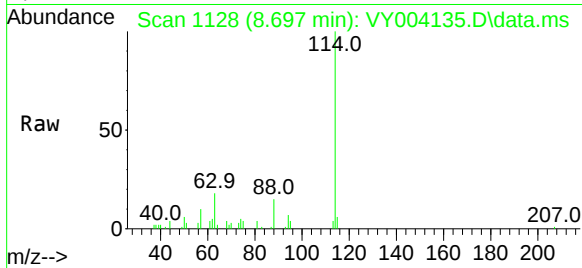




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

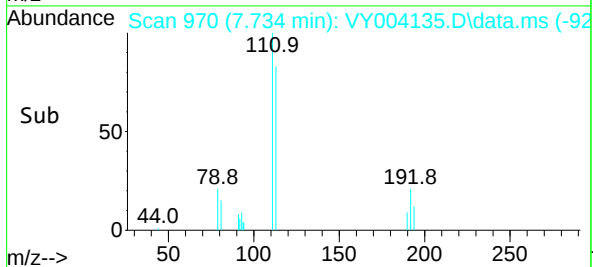
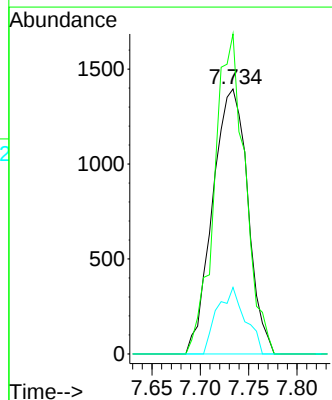
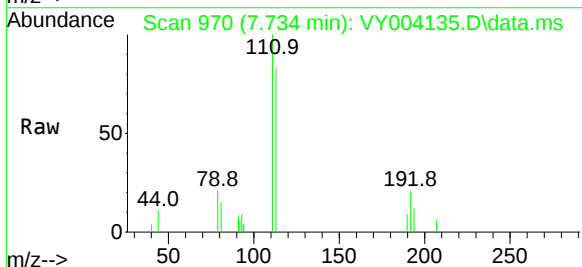
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

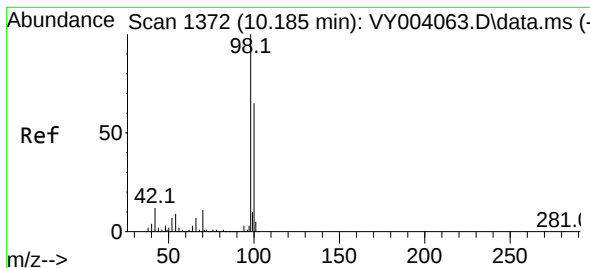
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 13859 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 17.9  | 0.0   | 41.6  |
| 88        | 15.2  | 0.0   | 31.4  |



#35  
Dibromofluoromethane  
Concen: 45.22 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 3534  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 105.2 | 83.2  | 124.8 |
| 192       | 19.9  | 18.5  | 27.7  |

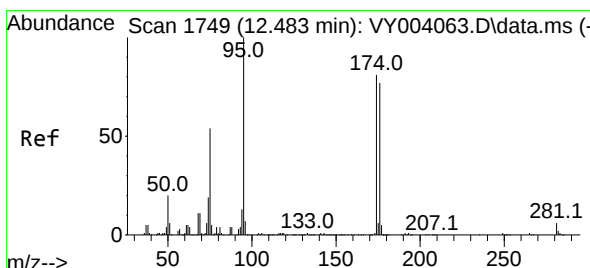
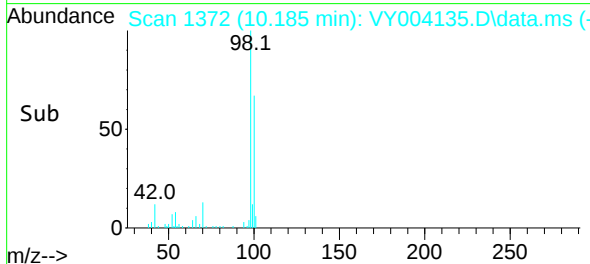
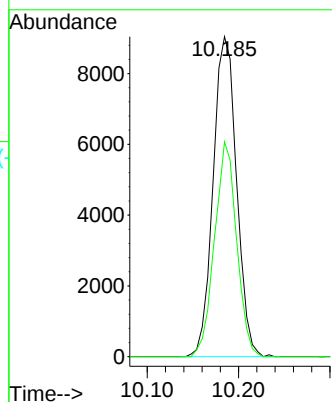
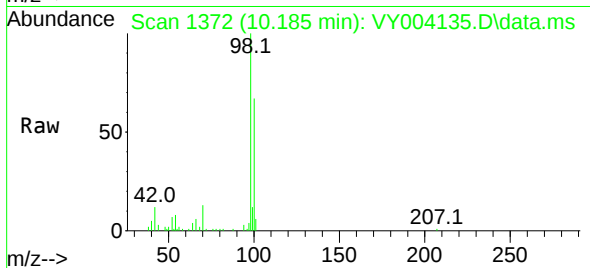




#50  
Toluene-d8  
Concen: 52.59 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

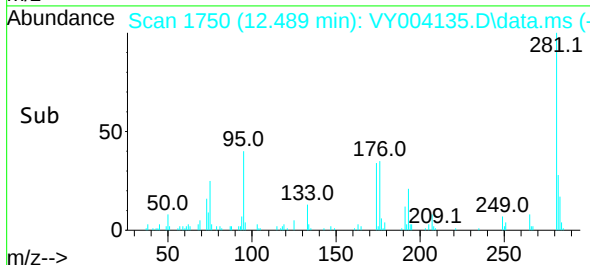
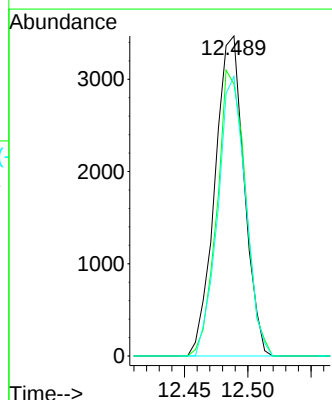
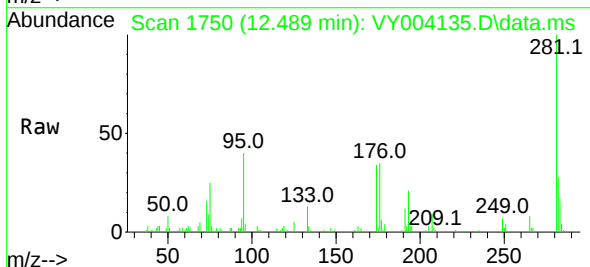
Instrument :  
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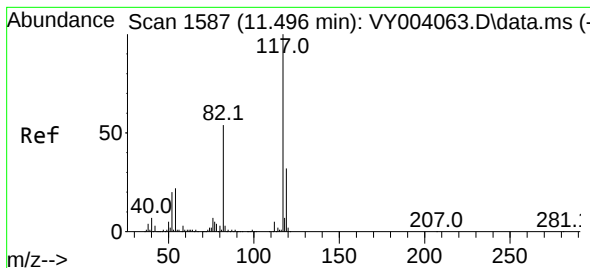
Tgt Ion: 98 Resp: 16113  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.8 77.6



#62  
4-Bromofluorobenzene  
Concen: 49.22 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion: 95 Resp: 5570  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 179.0  
176 83.4 0.0 174.4

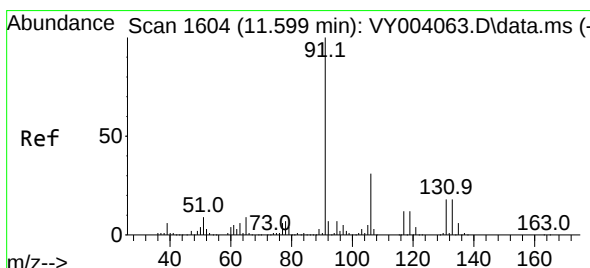
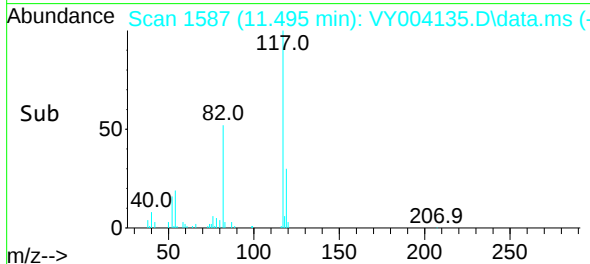
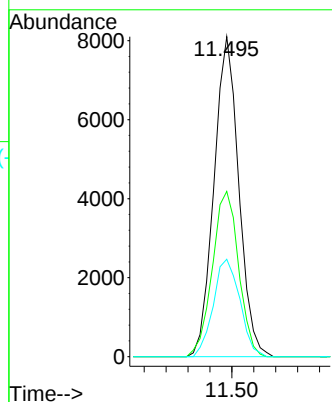
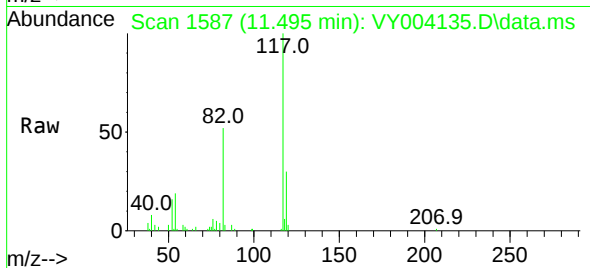




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.001 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

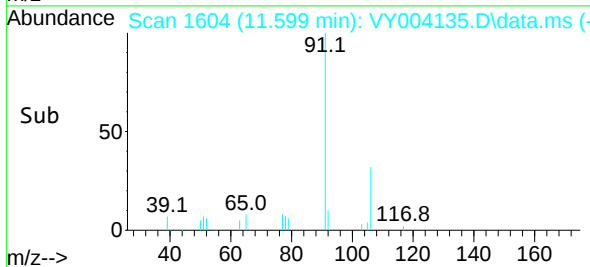
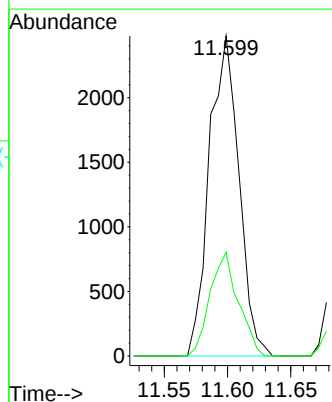
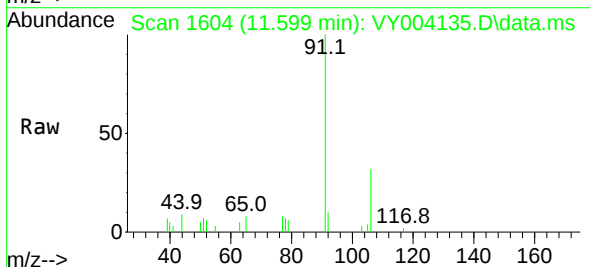
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

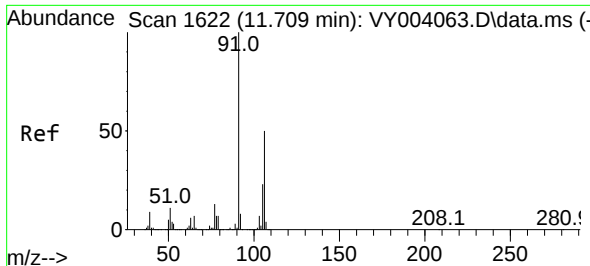
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|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12717 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 51.7  | 43.8  | 65.6  |
| 119      | 30.5  | 26.2  | 39.2  |



#67  
Ethyl Benzene  
Concen: 9.00 ug/l  
RT: 11.599 min Scan# 1604  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 4026  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 32.4  | 24.5  | 36.7  |

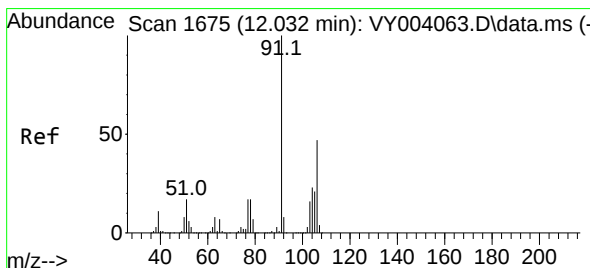
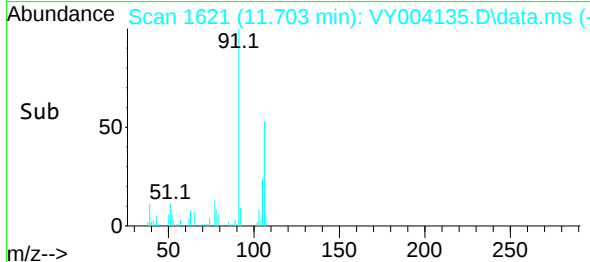
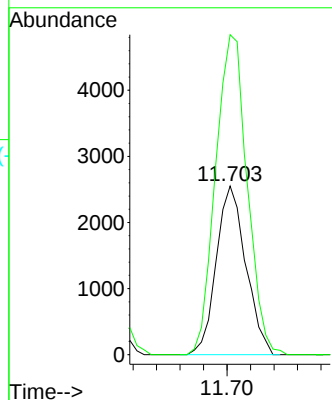
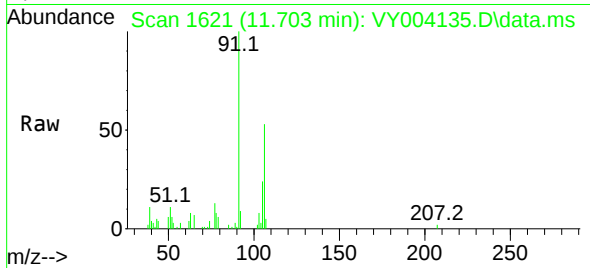




#68  
m/p-Xylenes  
Concen: 26.13 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.006 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

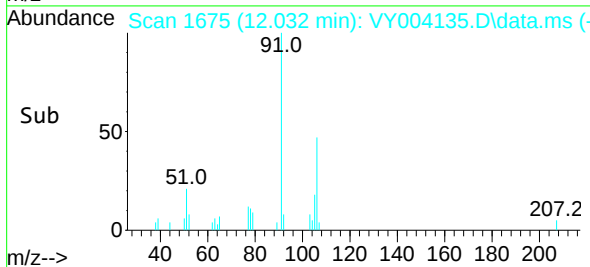
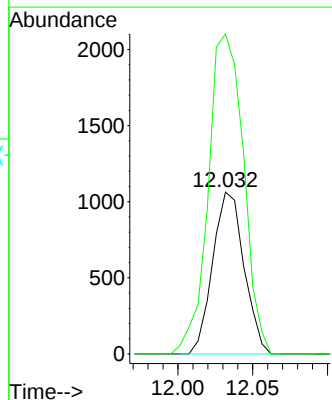
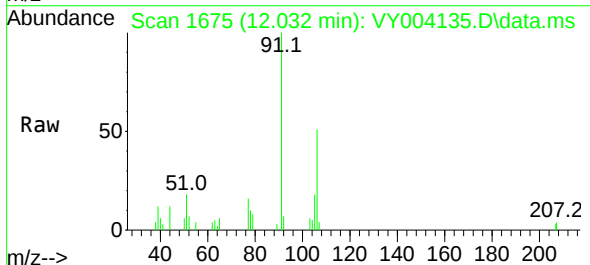
Instrument :  
MSVOA\_Y  
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TR-05-031821

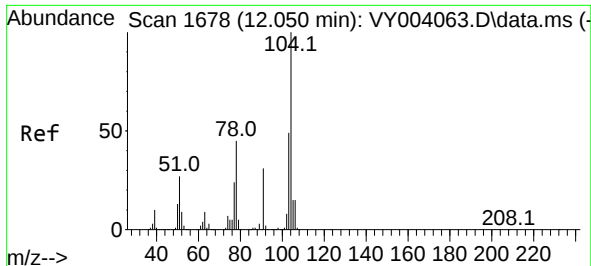
Tgt Ion:106 Resp: 4459  
Ion Ratio Lower Upper  
106 100  
91 202.8 165.4 248.0



#69  
o-Xylene  
Concen: 9.58 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion:106 Resp: 1546  
Ion Ratio Lower Upper  
106 100  
91 222.8 108.9 326.7

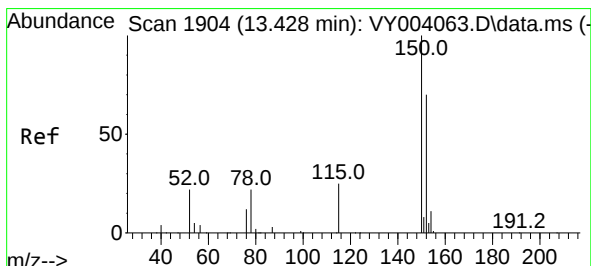
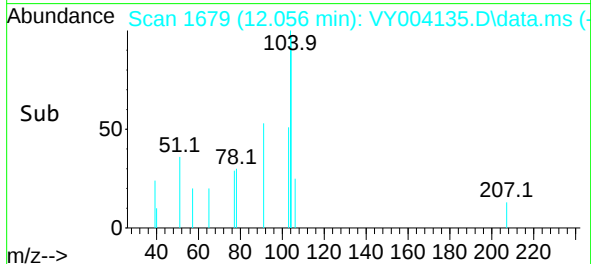
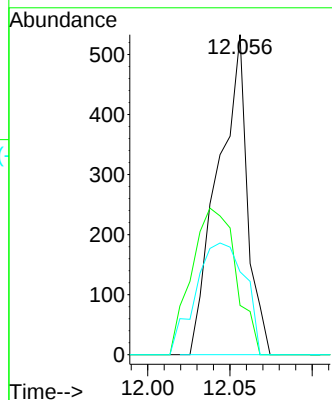
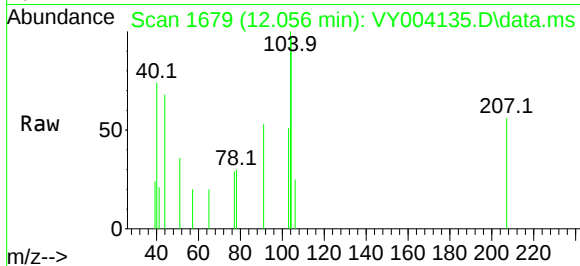




#70  
Styrene  
Concen: 2.40 ug/l  
RT: 12.056 min Scan# 1679  
Delta R.T. 0.006 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

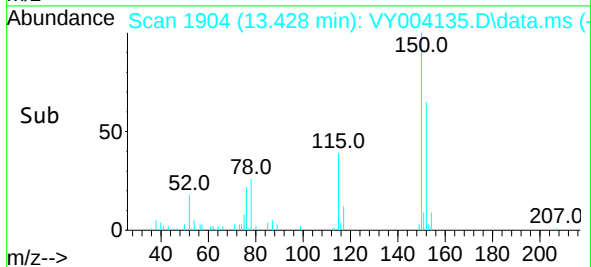
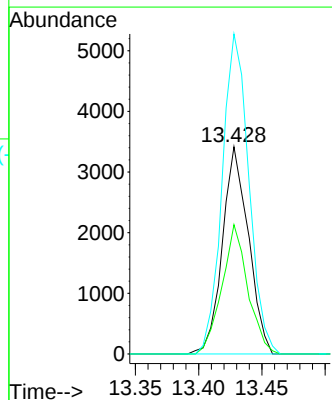
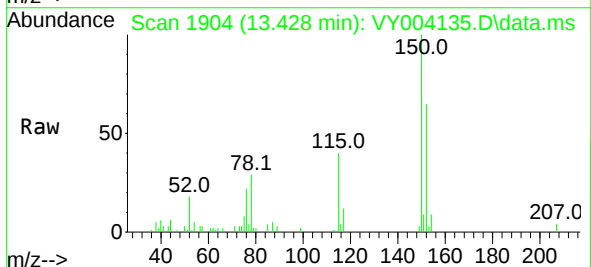
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

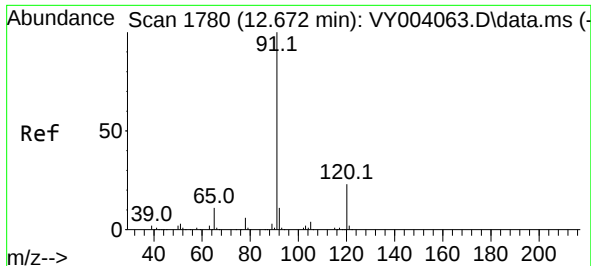
Tgt Ion:104 Resp: 662  
Ion Ratio Lower Upper  
104 100  
78 69.0 41.1 61.7#  
103 58.5 43.9 65.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion:152 Resp: 4888  
Ion Ratio Lower Upper  
152 100  
115 62.0 28.2 84.6  
150 157.9 0.0 347.2

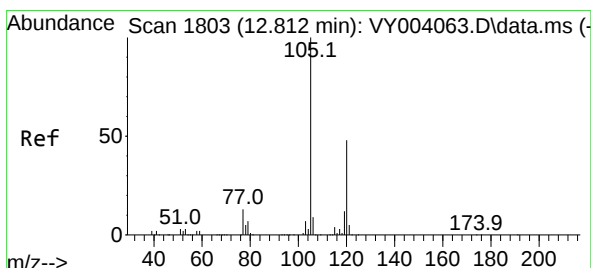
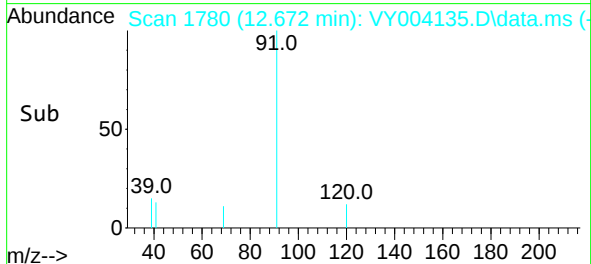
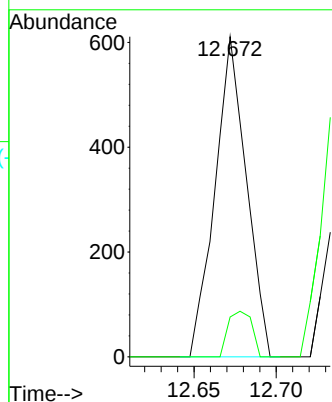
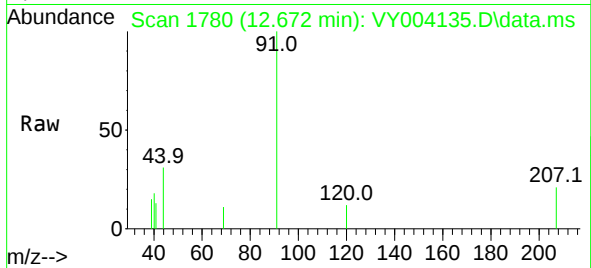




#78  
n-propylbenzene  
Concen: 2.03 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

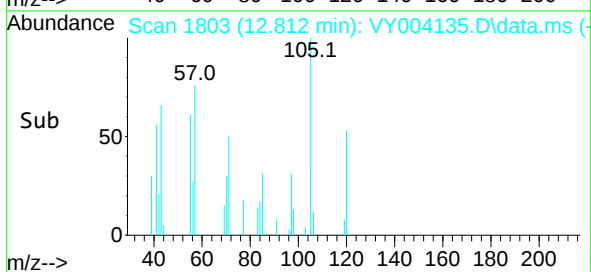
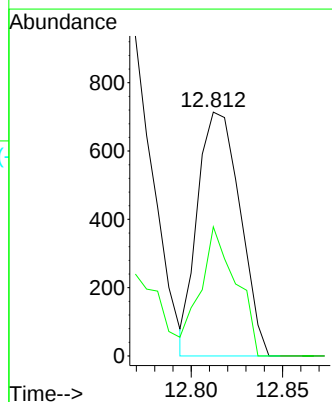
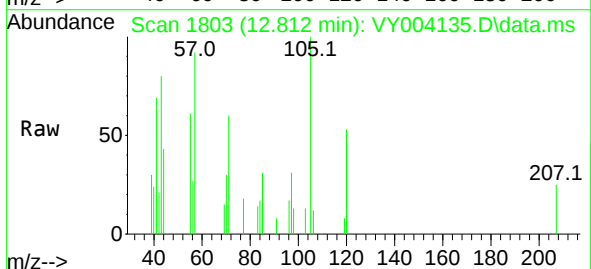
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

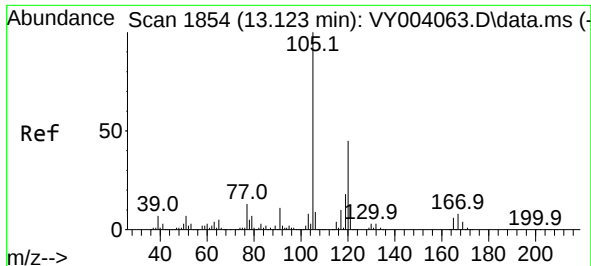
Tgt Ion: 91 Resp: 811  
Ion Ratio Lower Upper  
91 100  
120 10.7 11.3 33.9#



#80  
1,3,5-Trimethylbenzene  
Concen: 4.01 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion:105 Resp: 1155  
Ion Ratio Lower Upper  
105 100  
120 44.3 24.1 72.2

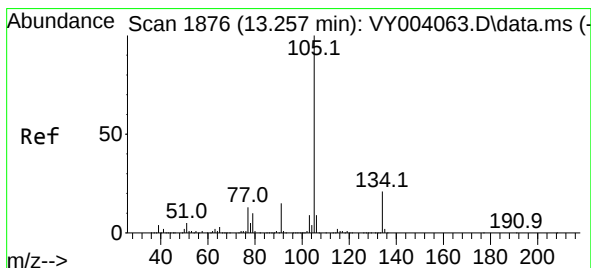
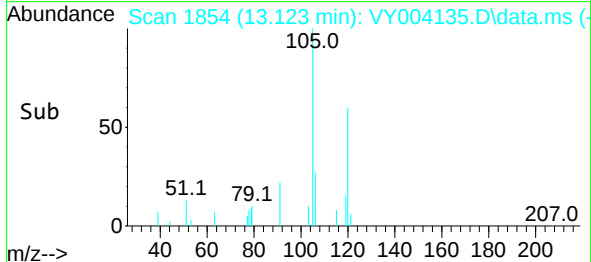
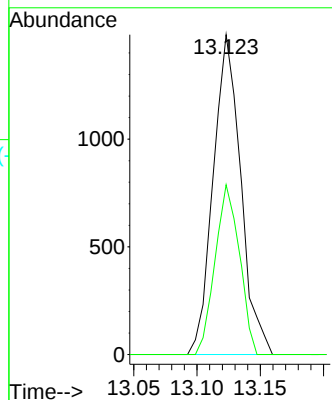
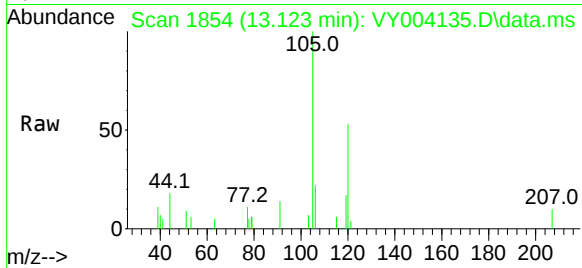




#84  
1,2,4-Trimethylbenzene  
Concen: 7.78 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

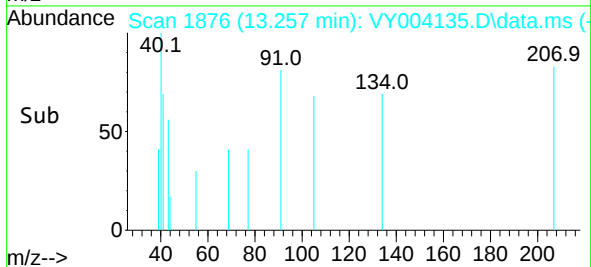
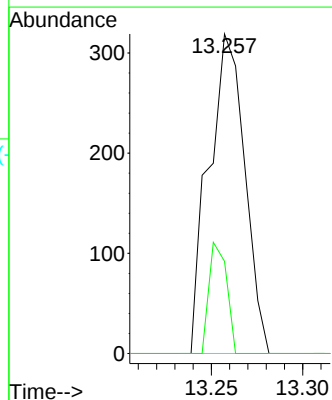
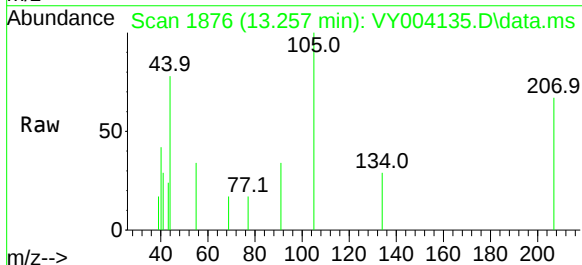
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

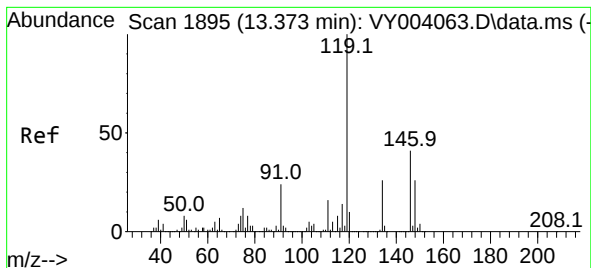
Tgt Ion:105 Resp: 2245  
Ion Ratio Lower Upper  
105 100  
120 46.9 22.1 66.3



#85  
sec-Butylbenzene  
Concen: 1.28 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Tgt Ion:105 Resp: 436  
Ion Ratio Lower Upper  
105 100  
134 17.0 10.2 30.4

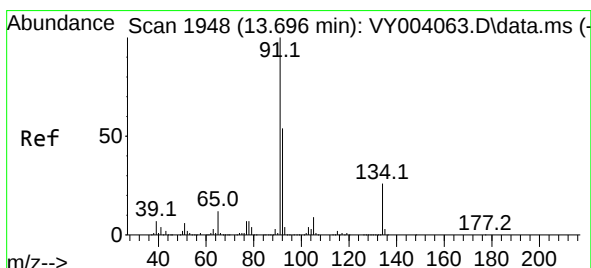
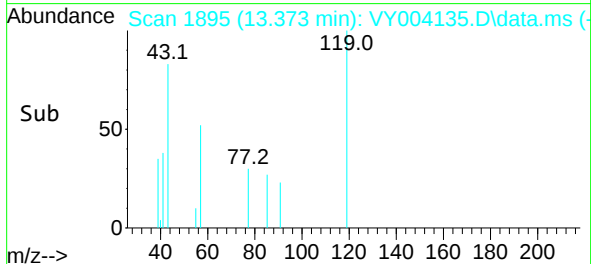
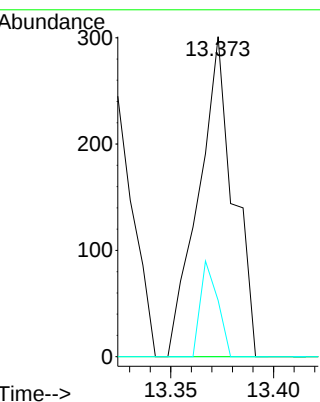
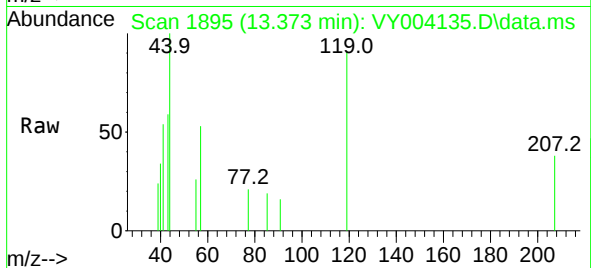




#86  
p-Isopropyltoluene  
Concen: 1.12 ug/l  
RT: 13.373 min Scan# 1895  
Delta R.T. -0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-05-031821

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 354   |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 0.0   | 13.2  | 39.5# |
| 91       | 14.7  | 12.1  | 36.3  |



#89  
n-Butylbenzene  
Concen: 1.68 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: VY004135.D  
Acq: 19 Mar 2021 13:38

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 506   |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 58.3  | 26.5  | 79.4  |
| 134      | 0.0   | 13.2  | 39.5# |

