

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
 Data File : VX021223.D  
 Acq On : 16 Mar 2021 01:08  
 Operator : JC/MD  
 Sample : M1647-21  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 COMP5-30811:15

Quant Time: Mar 16 04:42:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 15 11:55:59 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.635  | 168  | 74868    | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.829  | 114  | 133962   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.094 | 117  | 130068   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.059 | 152  | 55034    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 6.029  | 65    | 63723    | 49.91    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 99.82%  |
| 35) Dibromofluoromethane    | 5.464  | 113   | 46539    | 50.49    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 100.98% |
| 50) Toluene-d8              | 8.694  | 98    | 170464   | 51.48    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 102.96% |
| 62) 4-Bromofluorobenzene    | 11.118 | 95    | 67072    | 53.16    | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 106.32% |

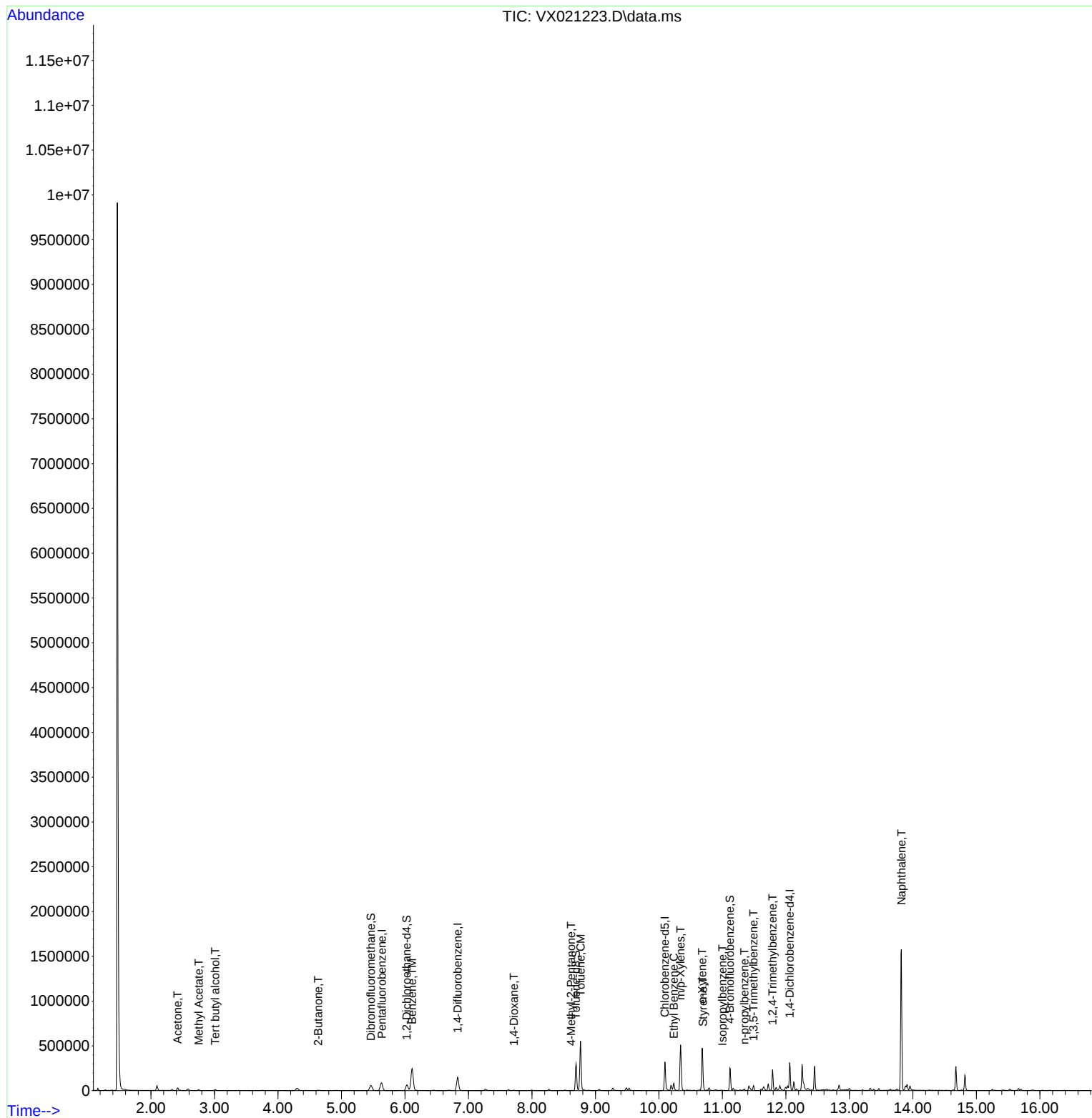
|                            |        |     |        |        |           |
|----------------------------|--------|-----|--------|--------|-----------|
| Target Compounds           |        |     |        |        | Qvalue    |
| 11) Tert butyl alcohol     | 3.011  | 59  | 8567   | 38.53  | ug/l 96   |
| 16) Acetone                | 2.417  | 43  | 32417  | 63.17  | ug/l # 85 |
| 18) Methyl Acetate         | 2.752  | 43  | 10765  | 8.66   | ug/l # 89 |
| 25) 2-Butanone             | 4.635  | 43  | 5553   | 7.52   | ug/l # 88 |
| 40) Benzene                | 6.111  | 78  | 277798 | 70.78  | ug/l 99   |
| 49) 1,4-Dioxane            | 7.718  | 88  | 2455   | 109.01 | ug/l # 74 |
| 51) 4-Methyl-2-Pentanone   | 8.618  | 43  | 1672   | 1.13   | ug/l 91   |
| 52) Toluene                | 8.765  | 92  | 193347 | 81.70  | ug/l 99   |
| 67) Ethyl Benzene          | 10.235 | 91  | 43070  | 8.61   | ug/l 100  |
| 68) m/p-Xylenes            | 10.341 | 106 | 97284  | 54.29  | ug/l 94   |
| 69) o-Xylene               | 10.683 | 106 | 88120  | 50.66  | ug/l 94   |
| 70) Styrene                | 10.694 | 104 | 32804  | 11.12  | ug/l # 53 |
| 73) Isopropylbenzene       | 11.000 | 105 | 2059   | 0.48   | ug/l 88   |
| 78) n-propylbenzene        | 11.347 | 91  | 8097   | 1.65   | ug/l 81   |
| 80) 1,3,5-Trimethylbenzene | 11.489 | 105 | 21454  | 5.98   | ug/l 99   |
| 84) 1,2,4-Trimethylbenzene | 11.789 | 105 | 89557  | 24.81  | ug/l 91   |
| 95) Naphthalene            | 13.818 | 128 | 907047 | 218.59 | ug/l 99   |

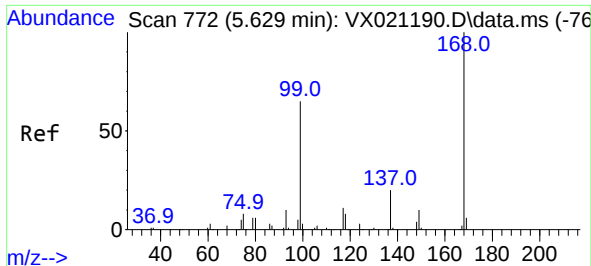
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031521\  
Data File : VX021223.D  
Acq On : 16 Mar 2021 01:08  
Operator : JC/MD  
Sample : M1647-21  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

Quant Time: Mar 16 04:42:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031521W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 15 11:55:59 2021  
Response via : Initial Calibration

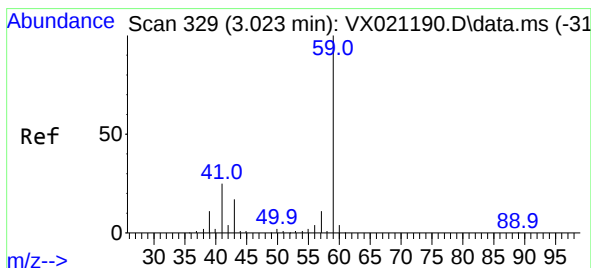
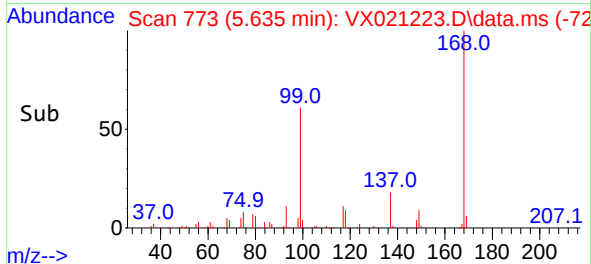
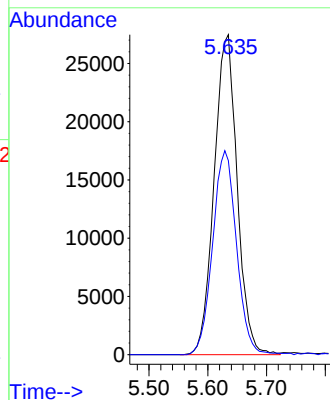
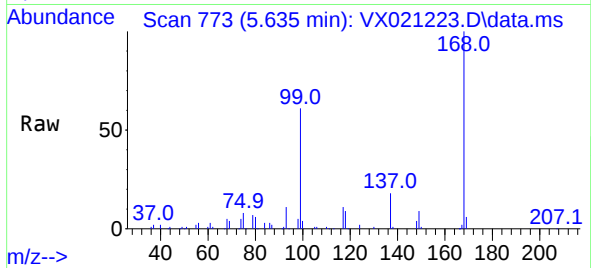




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.635 min Scan# 773  
Delta R.T. 0.012 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

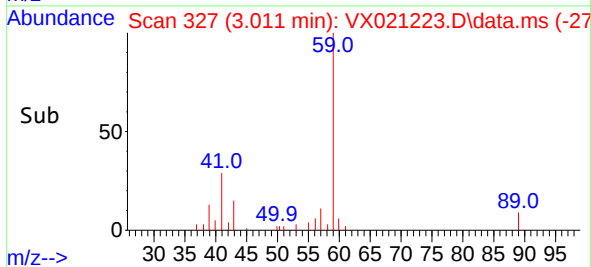
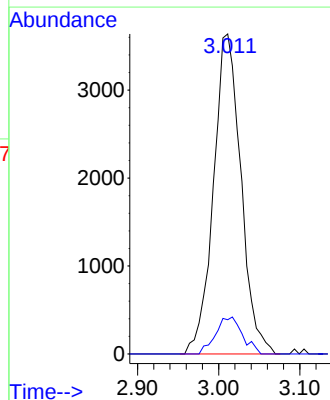
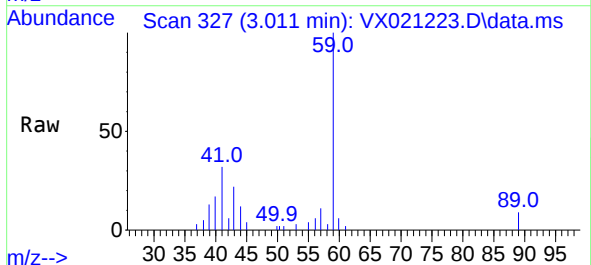
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MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

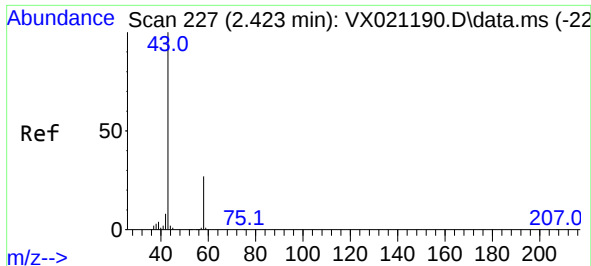
Tgt Ion:168 Resp: 74868  
Ion Ratio Lower Upper  
168 100  
99 60.7 45.8 68.6



#11  
Tert butyl alcohol  
Concen: 38.53 ug/l  
RT: 3.011 min Scan# 327  
Delta R.T. -0.006 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 59 Resp: 8567  
Ion Ratio Lower Upper  
59 100  
57 11.2 7.8 11.8

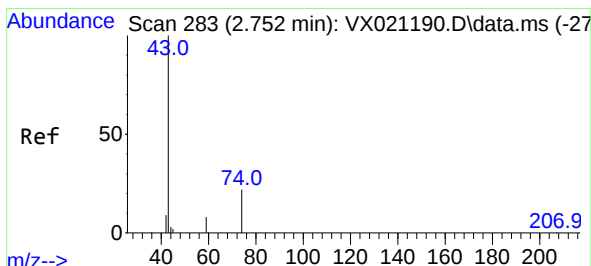
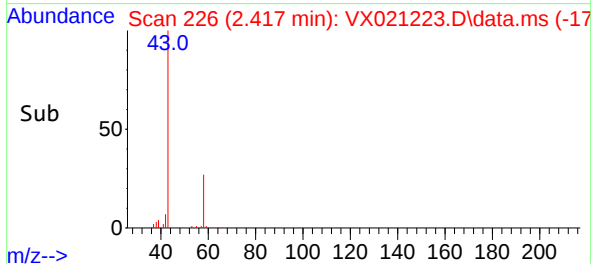
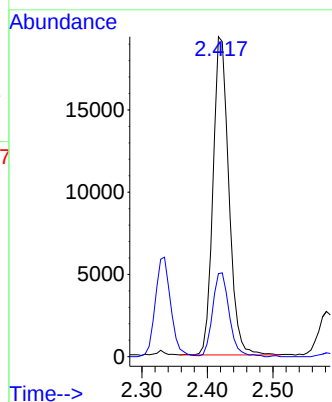
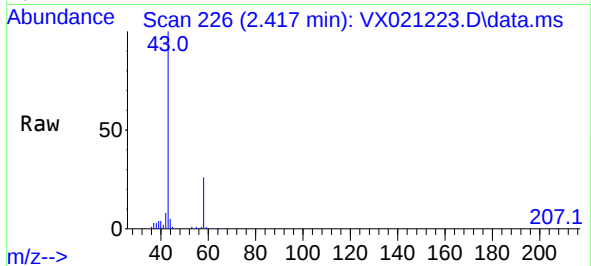




#16  
Acetone  
Concen: 63.17 ug/l  
RT: 2.417 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

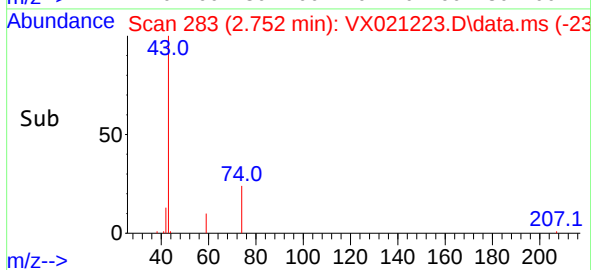
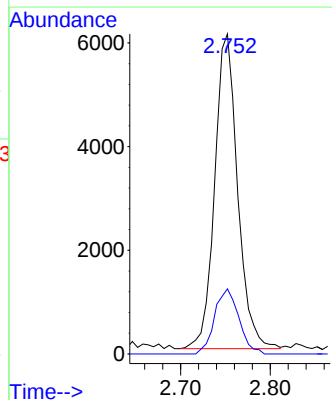
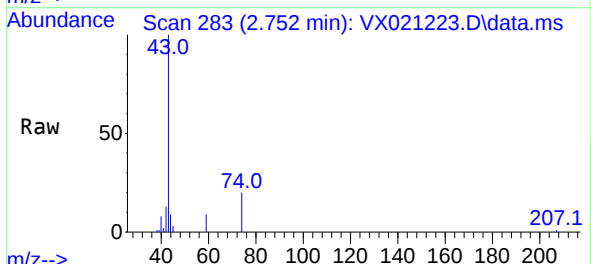
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

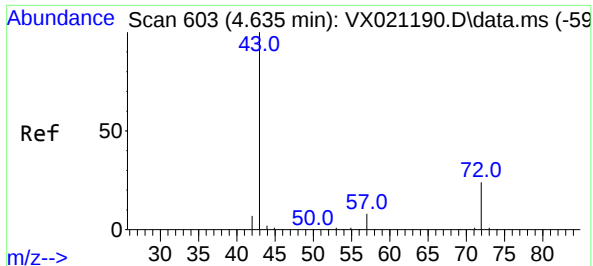
Tgt Ion: 43 Resp: 32417  
Ion Ratio Lower Upper  
43 100  
58 26.1 27.8 41.8#



#18  
Methyl Acetate  
Concen: 8.66 ug/l  
RT: 2.752 min Scan# 283  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 43 Resp: 10765  
Ion Ratio Lower Upper  
43 100  
74 21.9 21.9 32.9#

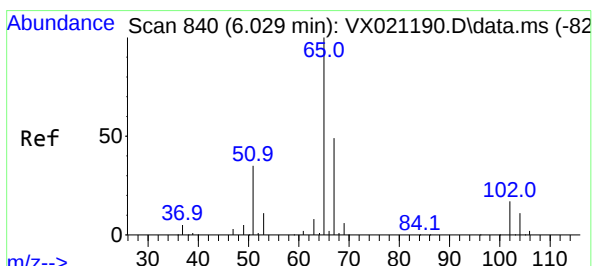
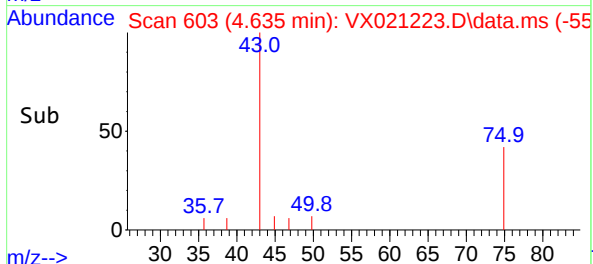
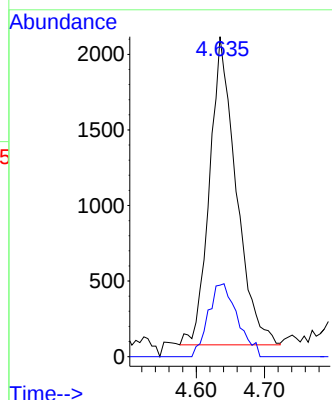
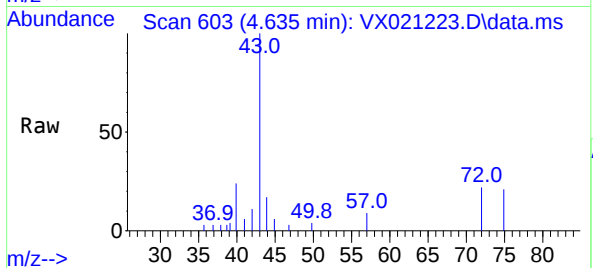




#25  
2-Butanone  
Concen: 7.52 ug/l  
RT: 4.635 min Scan# 603  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

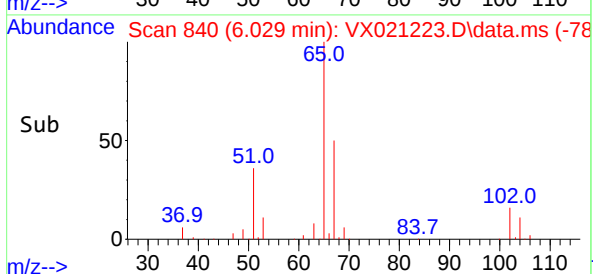
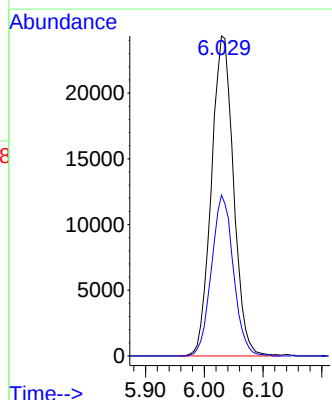
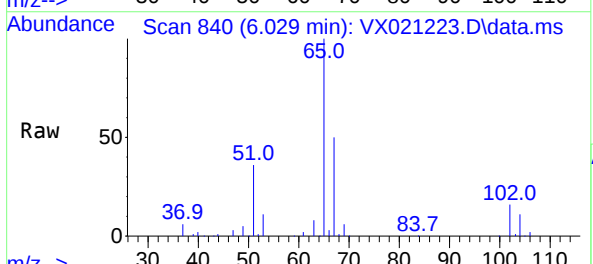
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

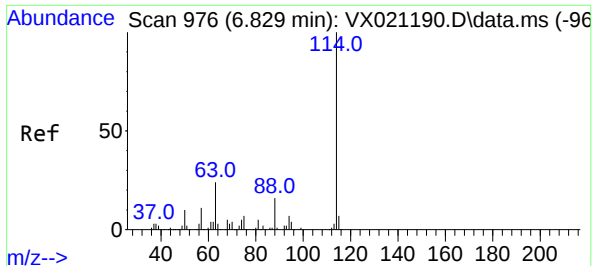
Tgt Ion: 43 Resp: 5553  
Ion Ratio Lower Upper  
43 100  
72 23.2 23.7 35.5#



#33  
1,2-Dichloroethane-d4  
Concen: 49.91 ug/l  
RT: 6.029 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 65 Resp: 63723  
Ion Ratio Lower Upper  
65 100  
67 49.8 0.0 105.4

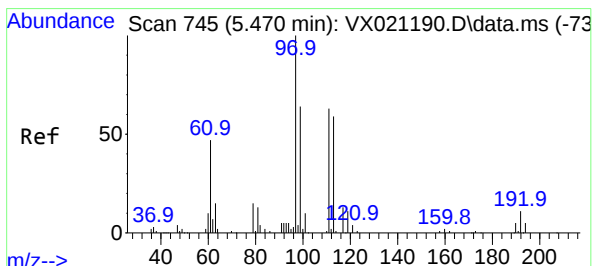
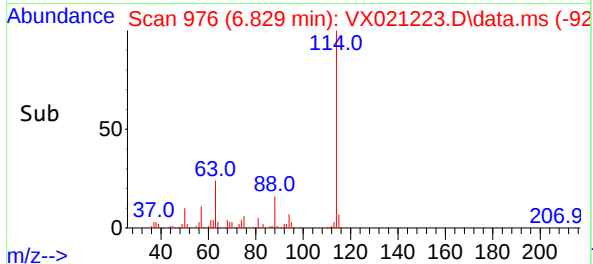
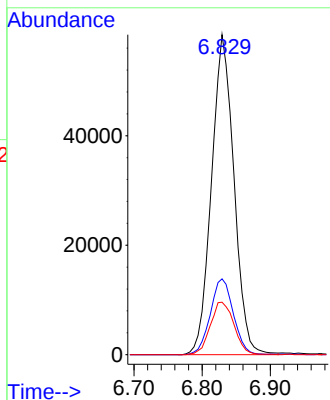
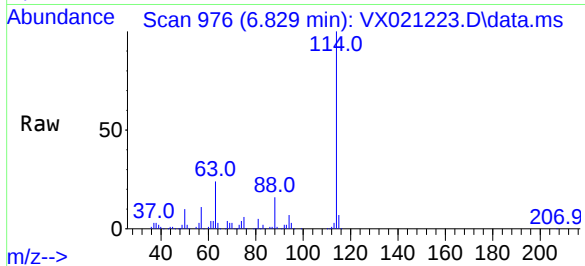




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.829 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

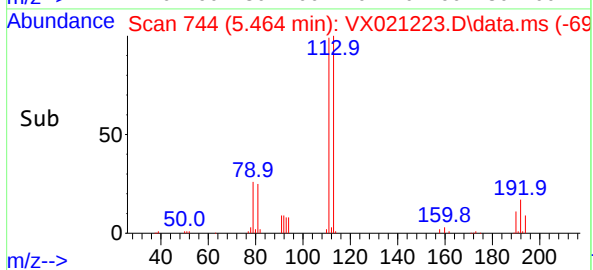
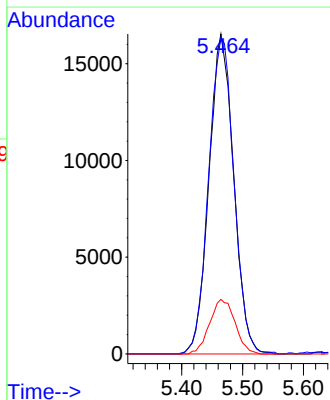
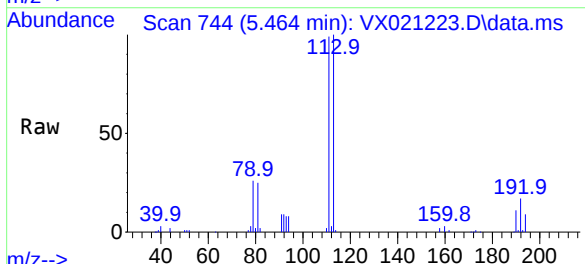
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

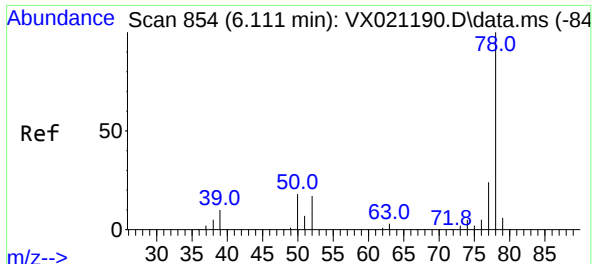
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 133962 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 23.7  | 0.0   | 40.8   |
| 88       | 16.4  | 0.0   | 32.8   |



#35  
Dibromofluoromethane  
Concen: 50.49 ug/l  
RT: 5.464 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 46539 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.5 | 81.9  | 122.9 |
| 192      | 17.6  | 16.7  | 25.1  |

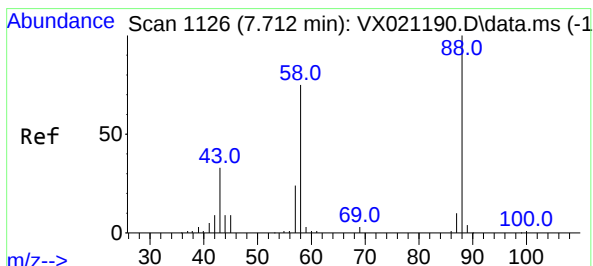
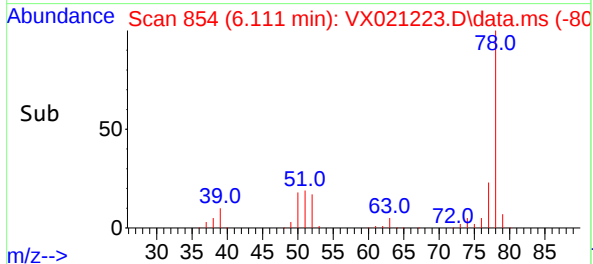
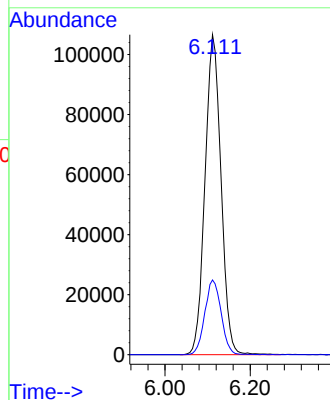
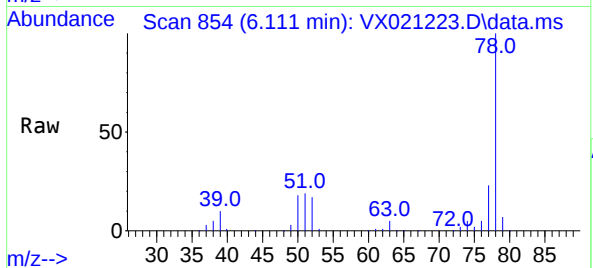




#40  
Benzene  
Concen: 70.78 ug/l  
RT: 6.111 min Scan# 854  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

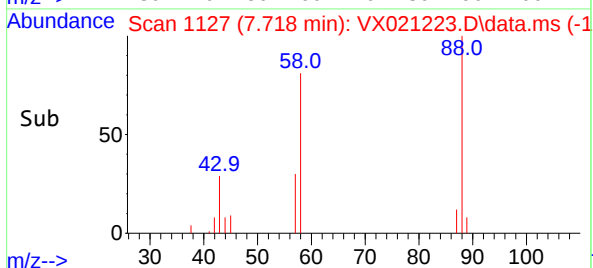
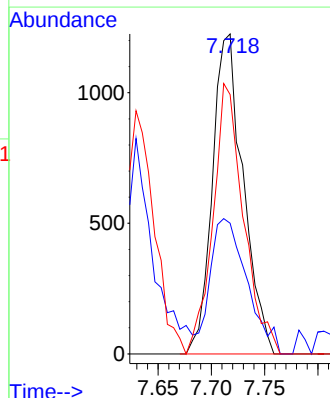
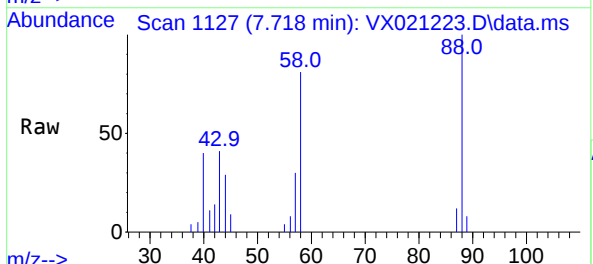
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MSVOA\_X  
ClientSampleId :  
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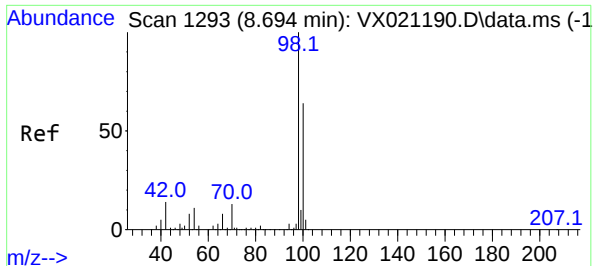
Tgt Ion: 78 Resp: 277798  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.9 28.3



#49  
1,4-Dioxane  
Concen: 109.01 ug/l  
RT: 7.718 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 88 Resp: 2455  
Ion Ratio Lower Upper  
88 100  
43 51.1 23.2 34.8#  
58 84.0 55.0 82.4#

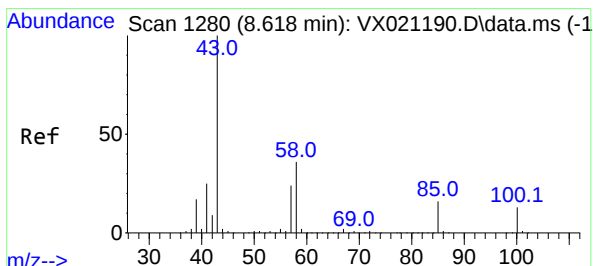
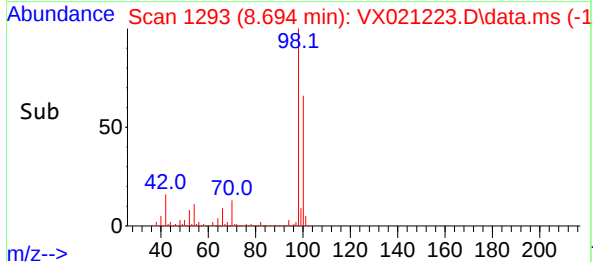
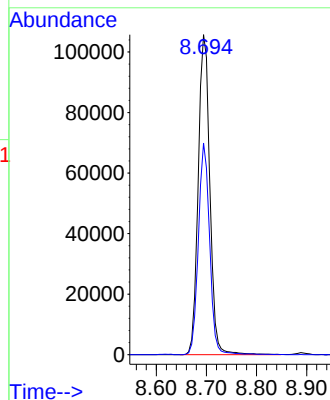
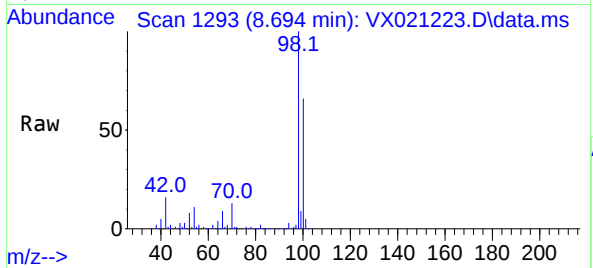




#50  
Toluene-d8  
Concen: 51.48 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

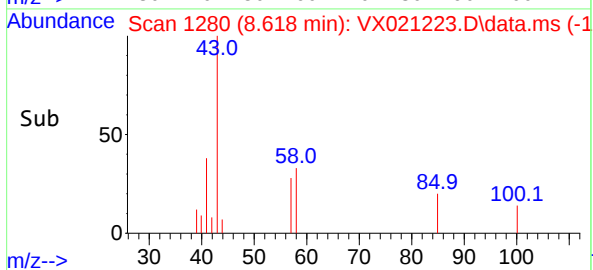
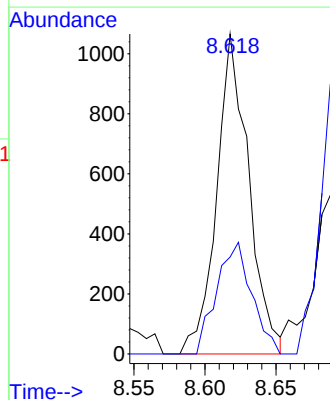
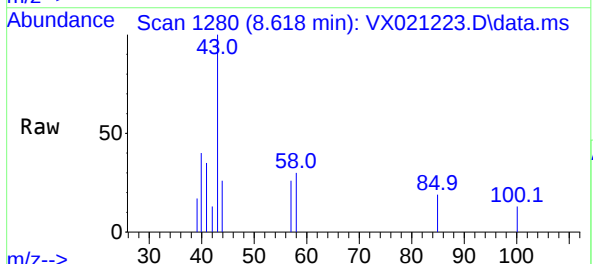
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

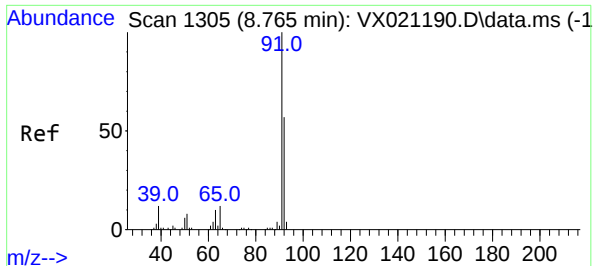
Tgt Ion: 98 Resp: 170464  
Ion Ratio Lower Upper  
98 100  
100 64.2 51.9 77.9



#51  
4-Methyl-2-Pentanone  
Concen: 1.13 ug/l  
RT: 8.618 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 43 Resp: 1672  
Ion Ratio Lower Upper  
43 100  
58 38.2 35.4 53.0

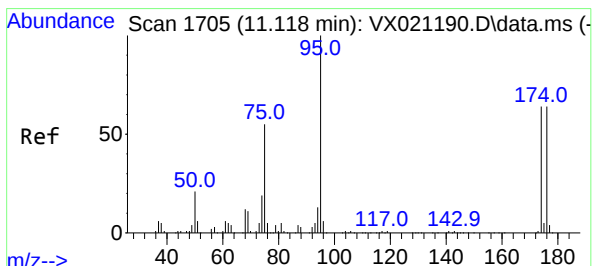
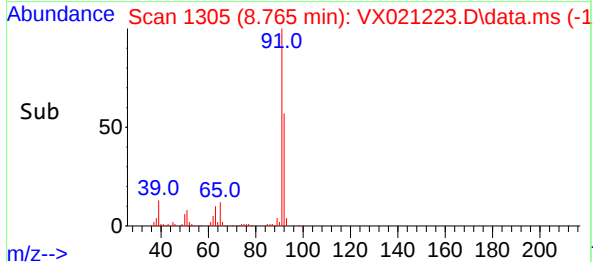
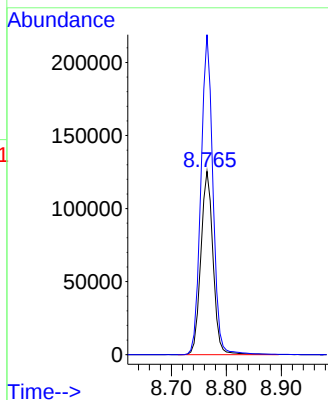
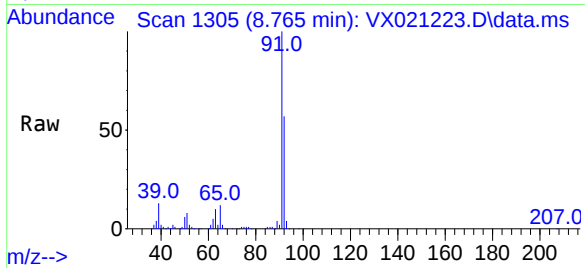




#52  
Toluene  
Concen: 81.70 ug/l  
RT: 8.765 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

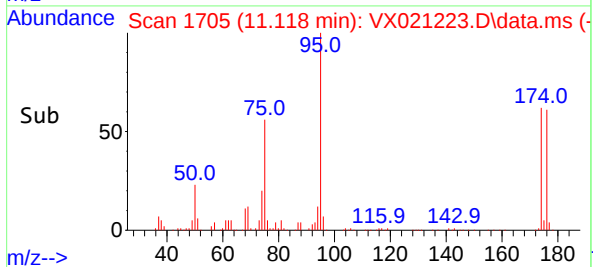
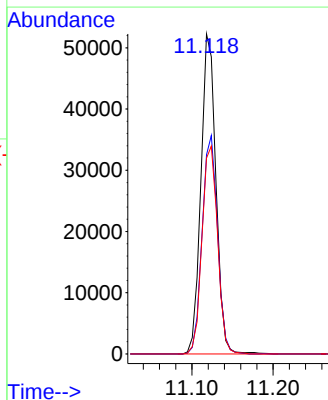
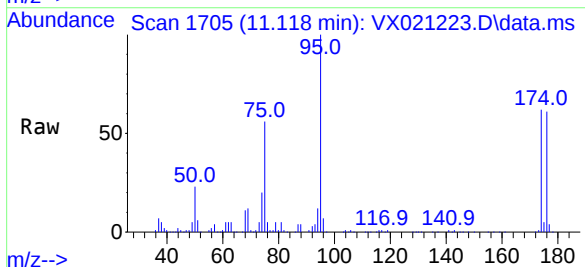
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

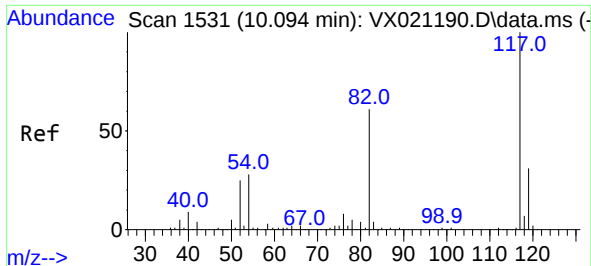
Tgt Ion: 92 Resp: 193347  
Ion Ratio Lower Upper  
92 100  
91 172.2 137.1 205.7



#62  
4-Bromofluorobenzene  
Concen: 53.16 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 95 Resp: 67072  
Ion Ratio Lower Upper  
95 100  
174 69.7 0.0 154.6  
176 67.3 0.0 155.8

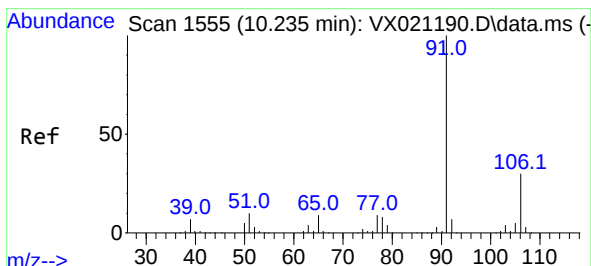
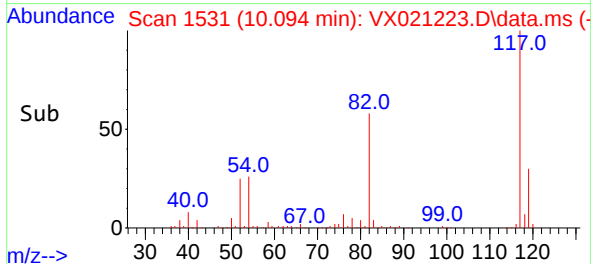
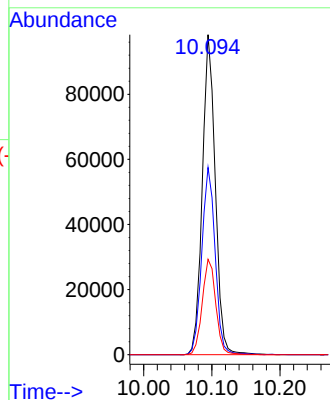
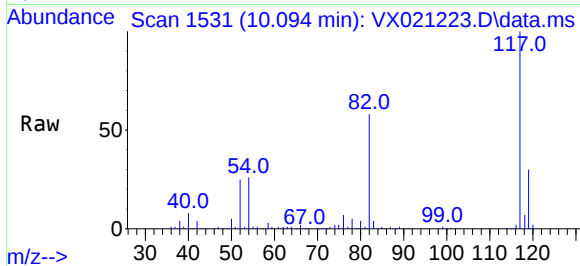




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

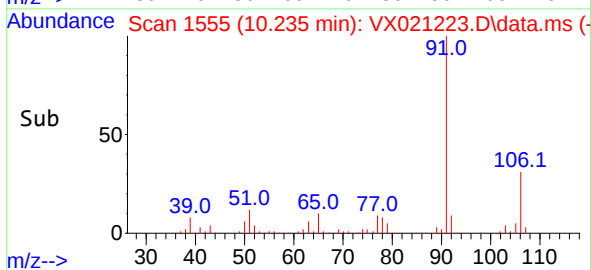
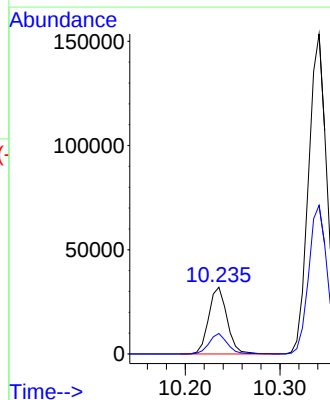
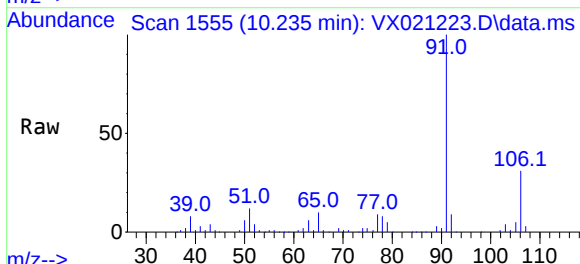
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

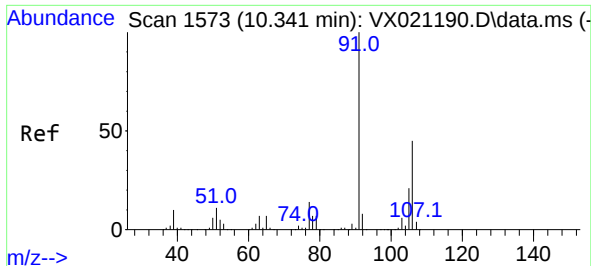
Tgt Ion:117 Resp: 130068  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.2  
119 29.8 26.6 39.8



#67  
Ethyl Benzene  
Concen: 8.61 ug/l  
RT: 10.235 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 91 Resp: 43070  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.6 37.0

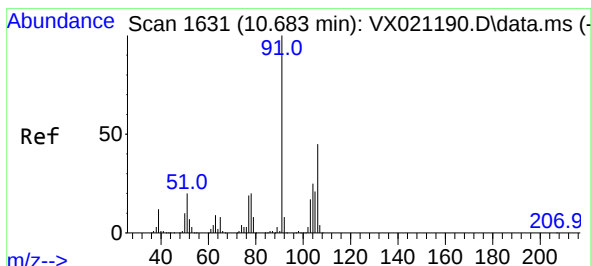
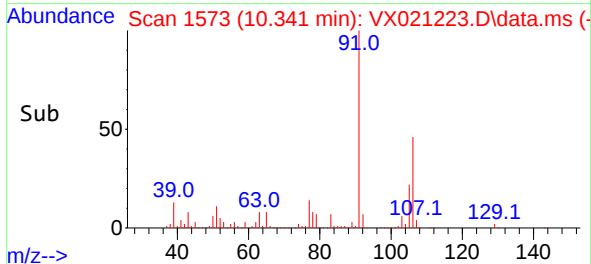
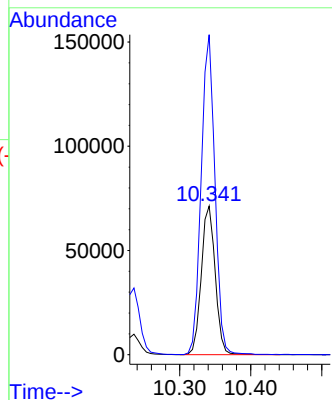
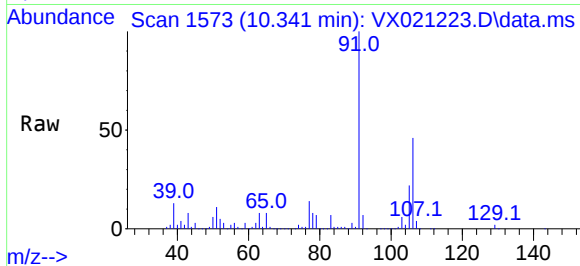




#68  
m/p-Xylenes  
Concen: 54.29 ug/l  
RT: 10.341 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

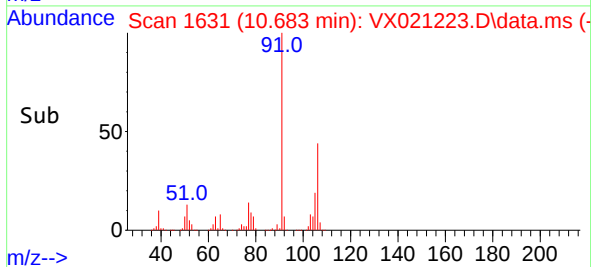
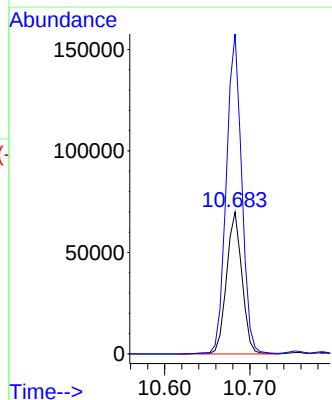
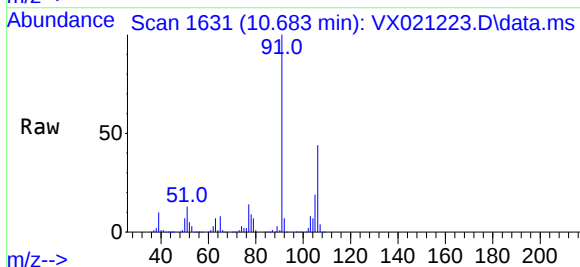
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

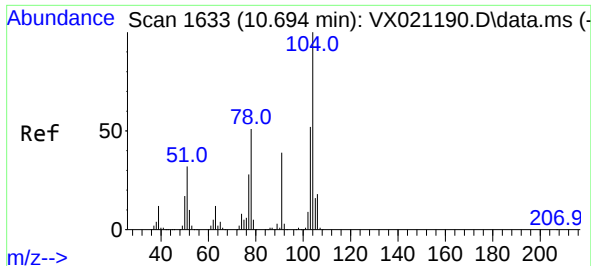
Tgt Ion:106 Resp: 97284  
Ion Ratio Lower Upper  
106 100  
91 212.6 162.8 244.2



#69  
o-Xylene  
Concen: 50.66 ug/l  
RT: 10.683 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion:106 Resp: 88120  
Ion Ratio Lower Upper  
106 100  
91 225.2 108.1 324.2

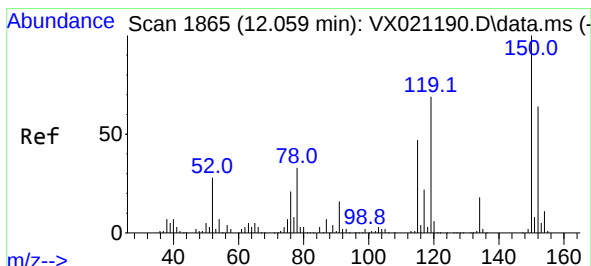
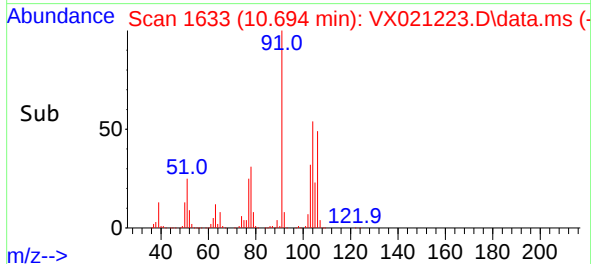
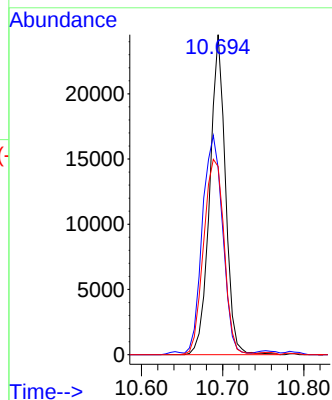
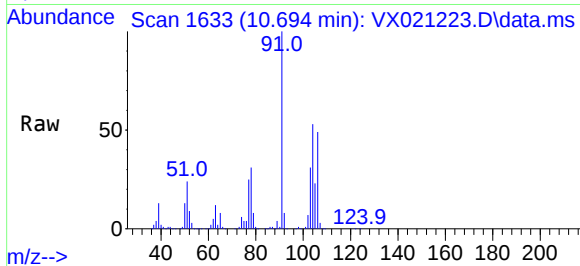




#70  
Styrene  
Concen: 11.12 ug/l  
RT: 10.694 min Scan# 1633  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

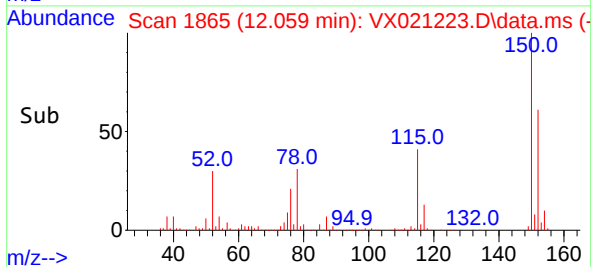
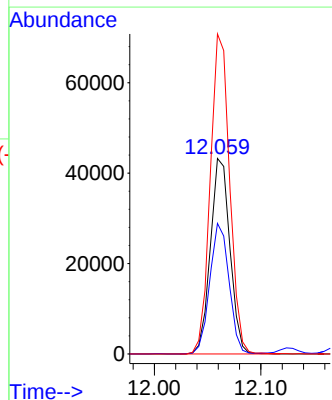
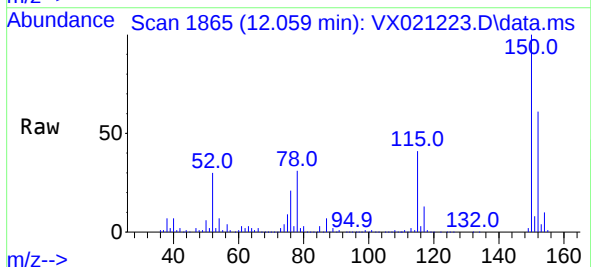
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

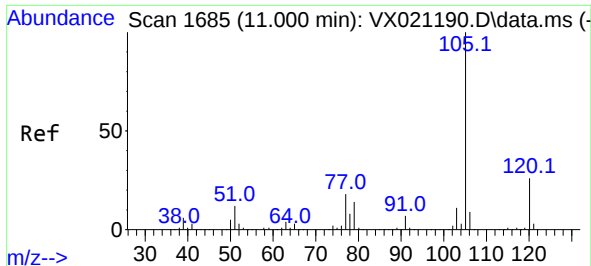
Tgt Ion:104 Resp: 32804  
Ion Ratio Lower Upper  
104 100  
78 89.8 40.0 60.0#  
103 80.3 43.4 65.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. -0.006 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion:152 Resp: 55034  
Ion Ratio Lower Upper  
152 100  
115 66.0 41.1 123.3  
150 161.8 0.0 349.0

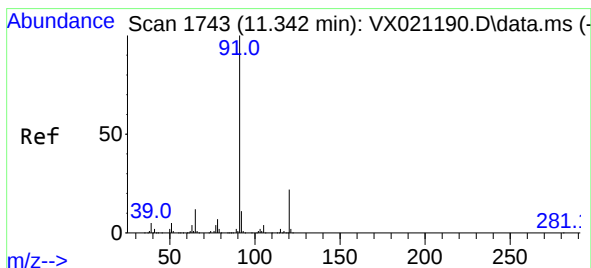
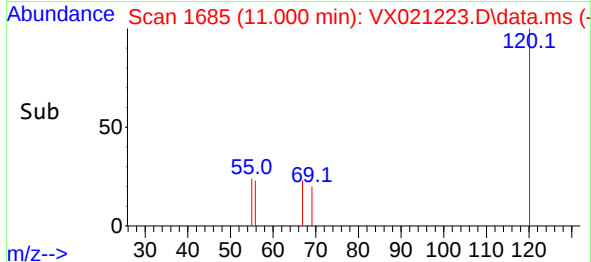
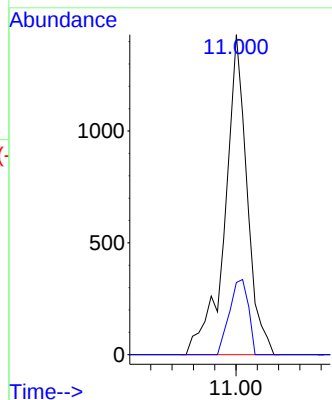
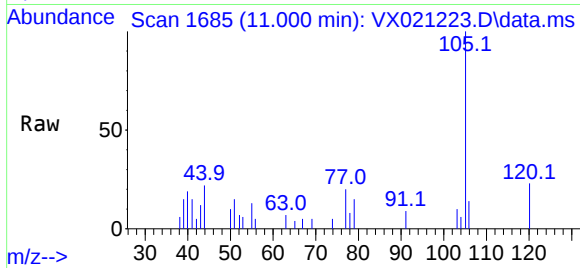




#73  
Isopropylbenzene  
Concen: 0.48 ug/l  
RT: 11.000 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

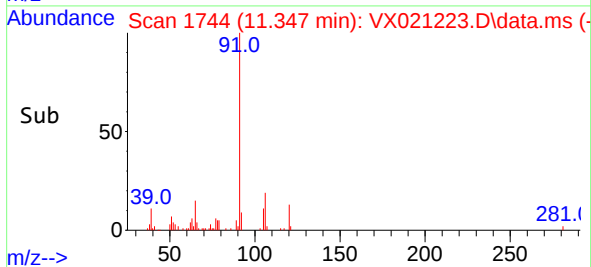
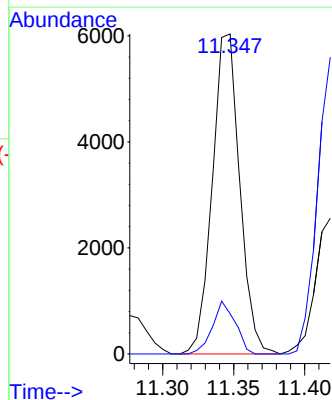
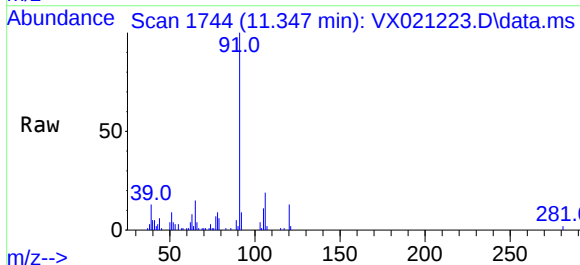
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

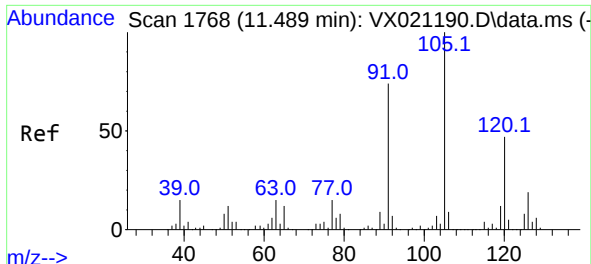
Tgt Ion:105 Resp: 2059  
Ion Ratio Lower Upper  
105 100  
120 20.0 13.2 39.6



#78  
n-propylbenzene  
Concen: 1.65 ug/l  
RT: 11.347 min Scan# 1744  
Delta R.T. 0.006 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion: 91 Resp: 8097  
Ion Ratio Lower Upper  
91 100  
120 13.7 11.5 34.5

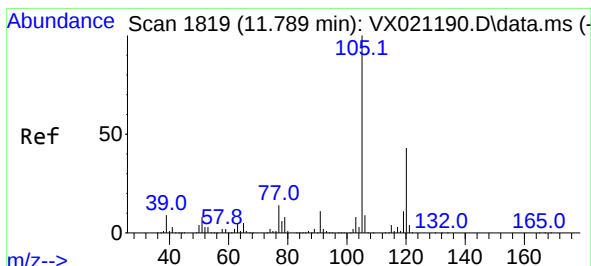
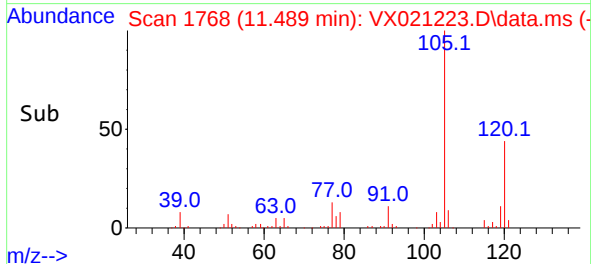
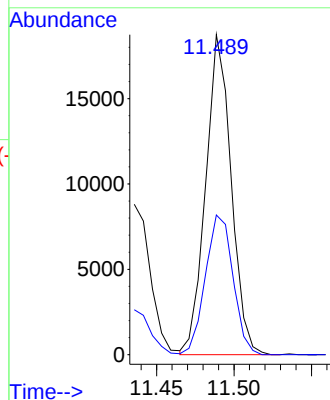
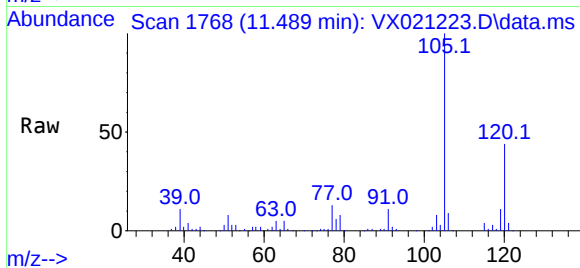




#80  
1,3,5-Trimethylbenzene  
Concen: 5.98 ug/l  
RT: 11.489 min Scan# 1768  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

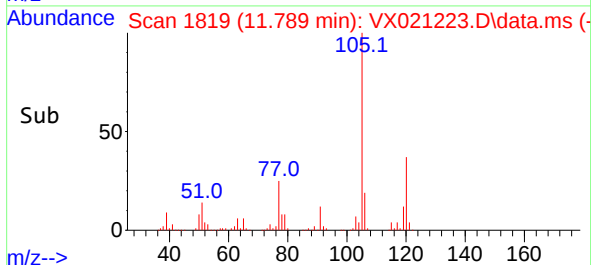
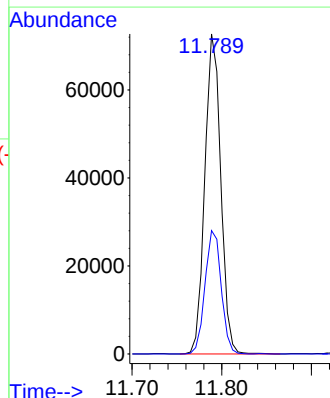
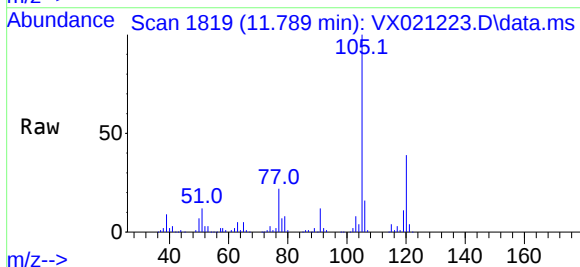
Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

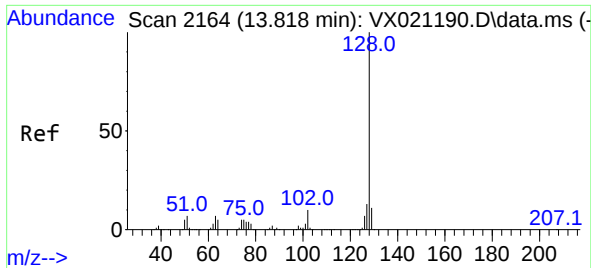
Tgt Ion:105 Resp: 21454  
Ion Ratio Lower Upper  
105 100  
120 47.3 23.8 71.5



#84  
1,2,4-Trimethylbenzene  
Concen: 24.81 ug/l  
RT: 11.789 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Tgt Ion:105 Resp: 89557  
Ion Ratio Lower Upper  
105 100  
120 39.3 22.4 67.3





#95  
Naphthalene  
Concen: 218.59 ug/l  
RT: 13.818 min Scan# 2164  
Delta R.T. 0.000 min  
Lab File: VX021223.D  
Acq: 16 Mar 2021 01:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
COMP5-30811:15

Tgt Ion:128 Resp: 907047  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.3 15.5  
129 11.1 8.8 13.2

