

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022221\  
 Data File : VN065967.D  
 Acq On : 22 Feb 2021 18:07  
 Operator : JC/MD  
 Sample : M1452-08  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-2

Quant Time: Feb 23 00:11:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 7.631  | 168  | 156170   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.553  | 114  | 257001   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.380 | 117  | 234998   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.315 | 152  | 101115   | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 33) 1,2-Dichloroethane-d4   | 7.991  | 65    | 100935   | 46.22    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =    | 92.44% |
| 35) Dibromofluoromethane    | 7.553  | 113   | 77389    | 48.65    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =    | 97.30% |
| 50) Toluene-d8              | 10.058 | 98    | 318638   | 48.80    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =    | 97.60% |
| 62) 4-Bromofluorobenzene    | 12.373 | 95    | 115064   | 46.95    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =    | 93.90% |

|                               |        |     |        |       |        |     |
|-------------------------------|--------|-----|--------|-------|--------|-----|
| Target Compounds              |        |     |        |       | Qvalue |     |
| 3) Chloromethane              | 2.058  | 50  | 1442   | 0.56  | ug/l   | 94  |
| 11) Tert butyl alcohol        | 4.746  | 59  | 300    | 0.99  | ug/l # | 73  |
| 13) Acrolein                  | 3.583  | 56  | 2622   | 9.44  | ug/l   | 87  |
| 16) Acetone                   | 3.791  | 43  | 17316  | 23.79 | ug/l   | 100 |
| 17) Carbon Disulfide          | 4.029  | 76  | 2120   | 0.42  | ug/l # | 73  |
| 18) Methyl Acetate            | 4.300  | 43  | 432    | 0.24  | ug/l # | 65  |
| 20) Methylene Chloride        | 4.521  | 84  | 6845   | 3.38  | ug/l   | 89  |
| 25) 2-Butanone                | 6.791  | 43  | 1211   | 1.12  | ug/l   | 92  |
| 29) Tetrahydrofuran           | 7.177  | 42  | 657    | 0.88  | ug/l # | 43  |
| 31) Cyclohexane               | 7.624  | 56  | 3171   | 0.97  | ug/l # | 1   |
| 38) Carbon Tetrachloride      | 7.631  | 117 | 15279  | 6.49  | ug/l # | 18  |
| 43) Isopropyl Acetate         | 8.129  | 43  | 10632  | 2.92  | ug/l # | 90  |
| 45) 1,2-Dichloropropane       | 9.232  | 63  | 598    | 0.30  | ug/l # | 44  |
| 48) Methyl methacrylate       | 9.148  | 41  | 2764   | 1.50  | ug/l # | 10  |
| 51) 4-Methyl-2-Pentanone      | 9.952  | 43  | 3346   | 1.51  | ug/l   | 98  |
| 53) t-1,3-Dichloropropene     | 10.351 | 75  | 711    | 2.20  | ug/l # | 40  |
| 57) 1,3-Dichloropropane       | 10.733 | 76  | 8863   | 2.81  | ug/l # | 43  |
| 59) 2-Hexanone                | 10.733 | 43  | 112772 | 71.34 | ug/l # | 51  |
| 68) m/p-Xylenes               | 11.595 | 106 | 917    | 0.28  | ug/l # | 65  |
| 76) 1,2,3-Trichloropropane    | 12.373 | 75  | 57039  | 23.48 | ug/l # | 100 |
| 78) n-propylbenzene           | 12.563 | 91  | 2363   | 0.25  | ug/l   | 87  |
| 80) 1,3,5-Trimethylbenzene    | 12.701 | 105 | 1579   | 0.23  | ug/l   | 98  |
| 81) trans-1,4-Dichloro-2-b... | 12.373 | 75  | 57039  | 74.83 | ug/l # | 12  |
| 82) 4-Chlorotoluene           | 12.749 | 91  | 1762   | 0.30  | ug/l   | 98  |
| 83) tert-Butylbenzene         | 12.962 | 119 | 1911   | 0.33  | ug/l   | 79  |
| 84) 1,2,4-Trimethylbenzene    | 13.010 | 105 | 1775   | 0.25  | ug/l   | 86  |
| 85) sec-Butylbenzene          | 13.145 | 105 | 2220   | 0.30  | ug/l   | 92  |
| 86) p-Isopropyltoluene        | 13.264 | 119 | 2179   | 0.32  | ug/l   | 95  |
| 87) 1,3-Dichlorobenzene       | 13.257 | 146 | 1058   | 0.32  | ug/l   | 98  |
| 88) 1,4-Dichlorobenzene       | 13.257 | 146 | 1058   | 0.31  | ug/l   | 97  |
| 89) n-Butylbenzene            | 13.585 | 91  | 2012   | 0.35  | ug/l   | 90  |
| 91) 1,2-Dichlorobenzene       | 13.624 | 146 | 995    | 0.30  | ug/l   | 94  |
| 92) 1,2-Dibromo-3-Chloropr... | 14.244 | 75  | 294    | 1.45  | ug/l # | 1   |
| 93) 1,2,4-Trichlorobenzene    | 14.881 | 180 | 1167   | 3.08  | ug/l   | 95  |
| 94) Hexachlorobutadiene       | 14.978 | 225 | 547    | 0.70  | ug/l   | 88  |
| 95) Naphthalene               | 15.103 | 128 | 5202   | 3.89  | ug/l   | 99  |

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Sample : M1452-08  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

Quant Time: Feb 23 00:11:51 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 17 15:48:13 2021  
Response via : Initial Calibration

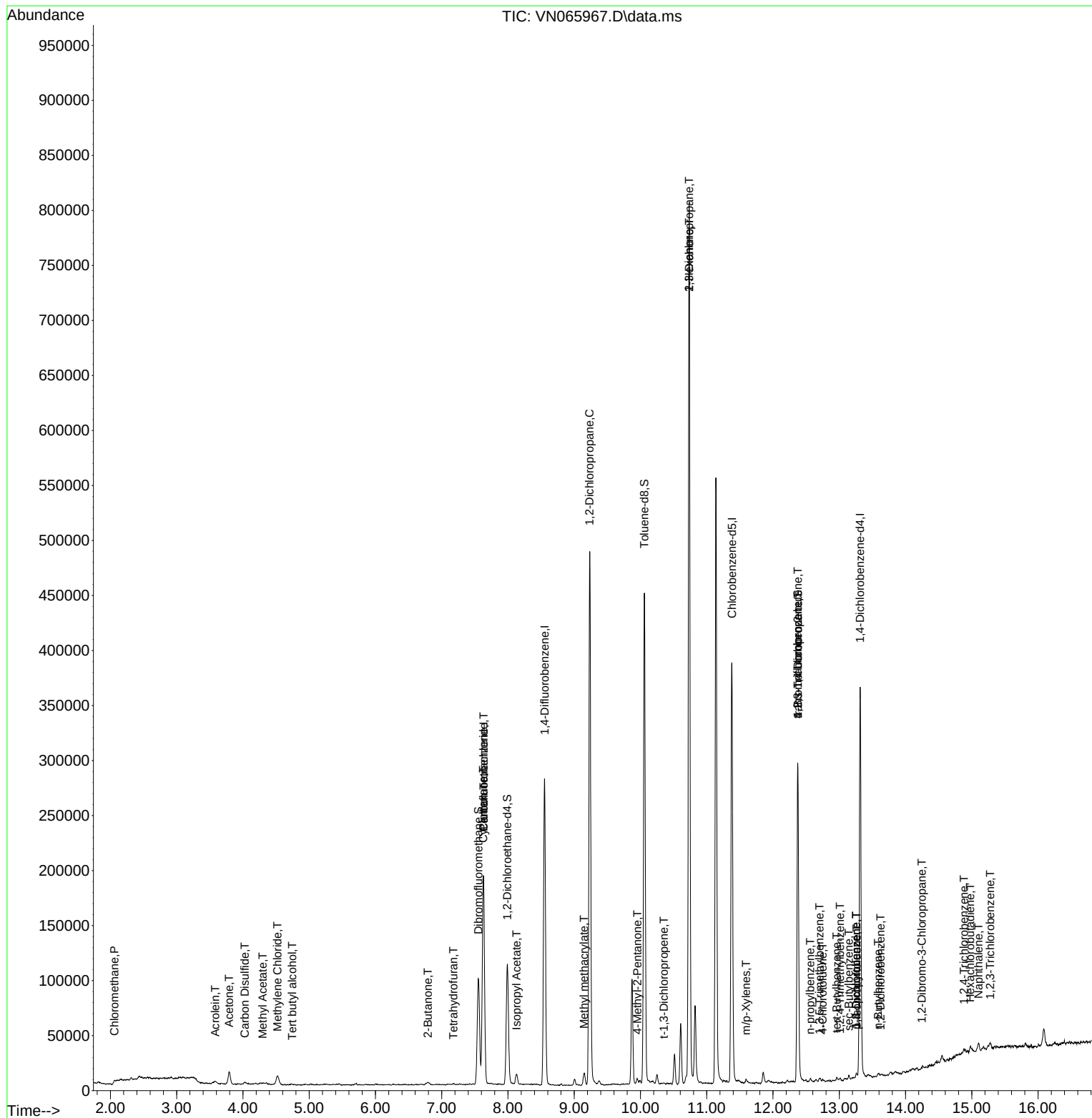
| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| 96) 1,2,3-Trichlorobenzene | 15.280 | 180  | 1778     | 3.11 | ug/l  | 92       |

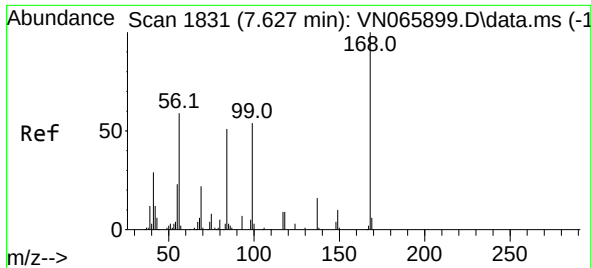
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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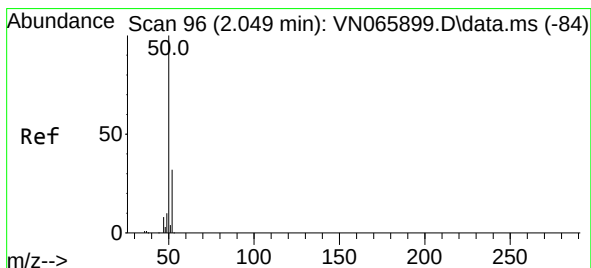
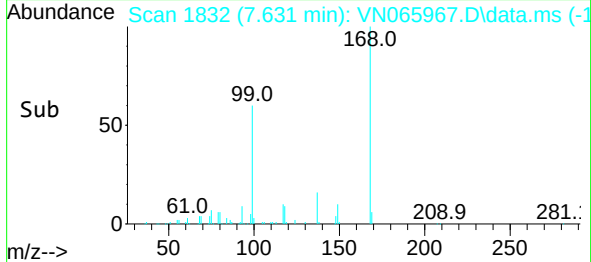
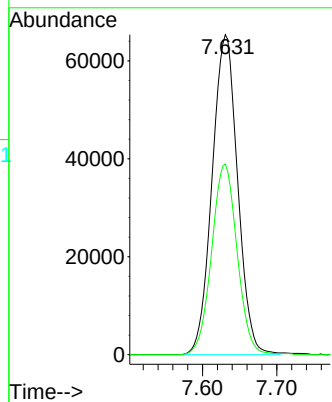
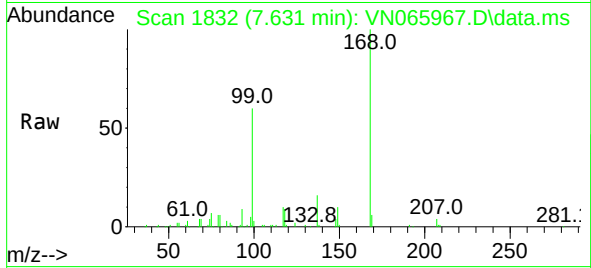




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. 0.004 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

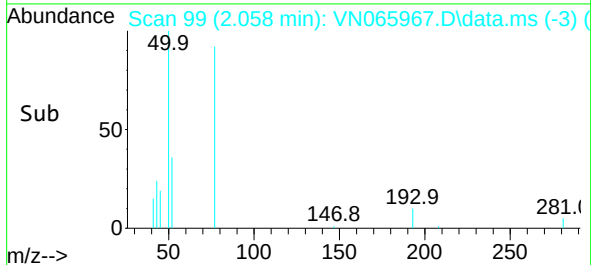
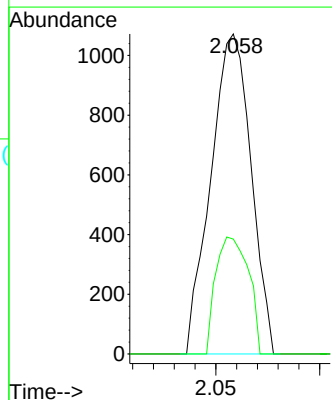
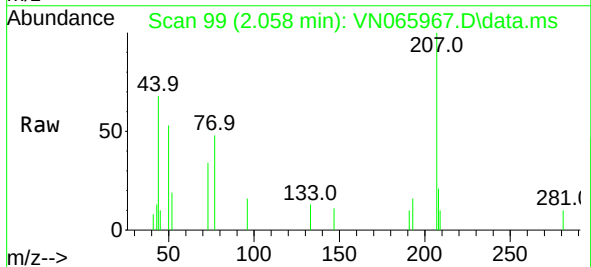
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

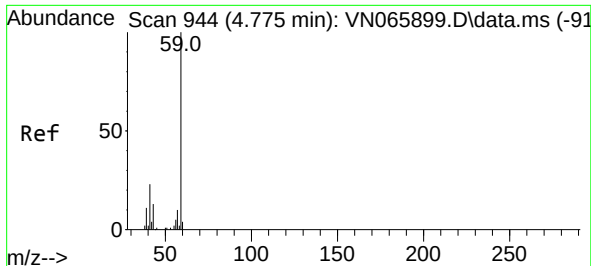
Tgt Ion:168 Resp: 156170  
Ion Ratio Lower Upper  
168 100  
99 59.6 42.6 63.8



#3  
Chloromethane  
Concen: 0.56 ug/l  
RT: 2.058 min Scan# 99  
Delta R.T. 0.009 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 50 Resp: 1442  
Ion Ratio Lower Upper  
50 100  
52 35.9 25.8 38.8



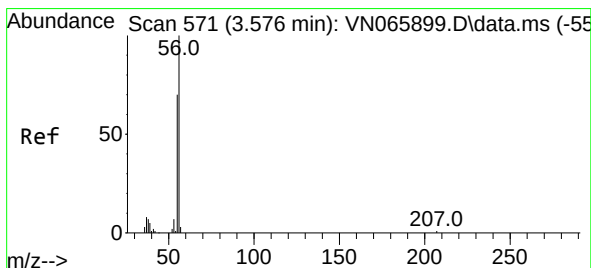
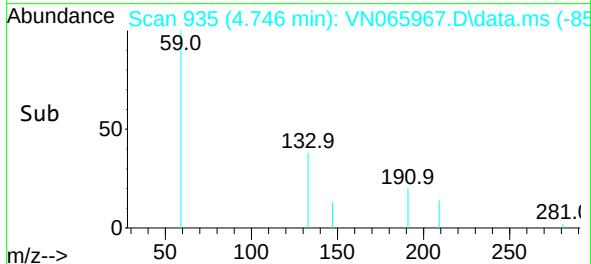
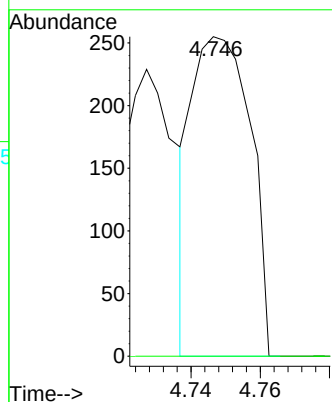
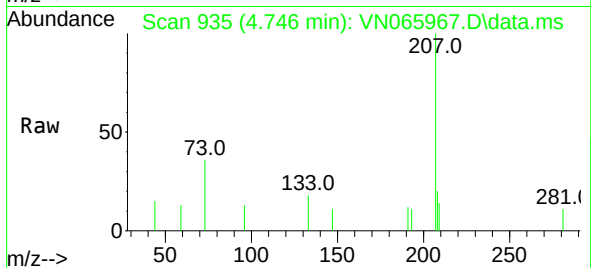


#11

Tert butyl alcohol  
Concen: 0.99 ug/l  
RT: 4.746 min Scan# 935  
Delta R.T. -0.029 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

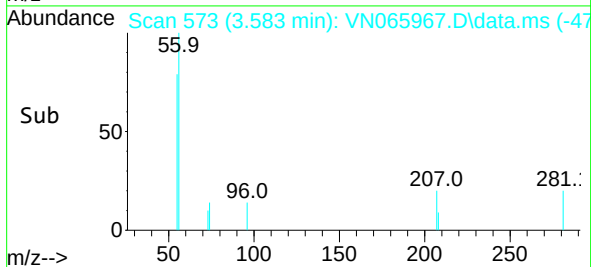
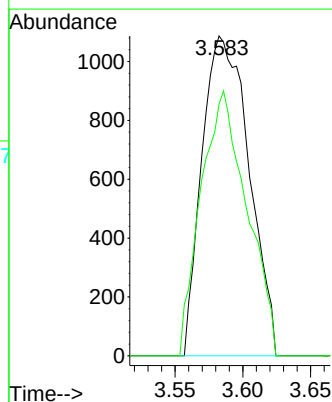
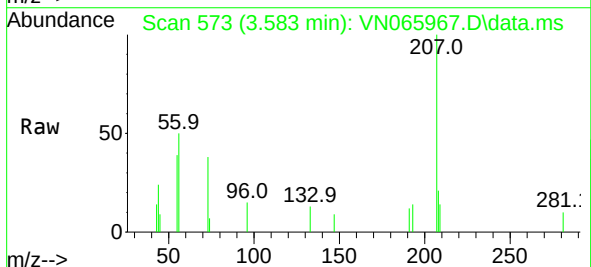
Tgt Ion: 59 Resp: 300  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

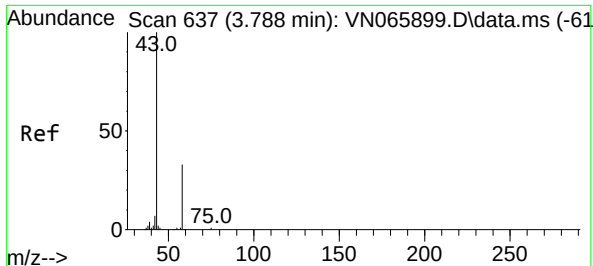


#13

Acrolein  
Concen: 9.44 ug/l  
RT: 3.583 min Scan# 573  
Delta R.T. 0.006 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 56 Resp: 2622  
Ion Ratio Lower Upper  
56 100  
55 81.0 56.0 84.0

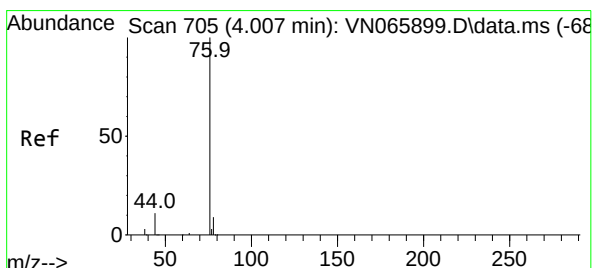
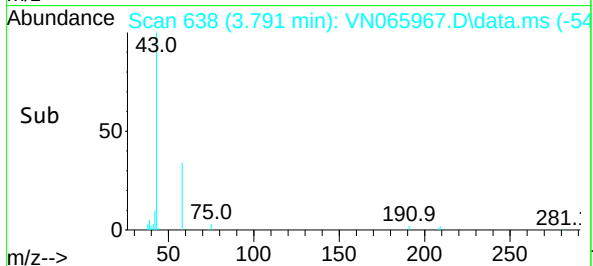
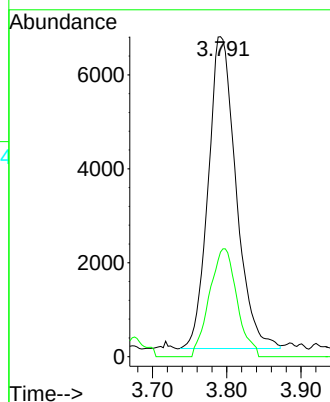
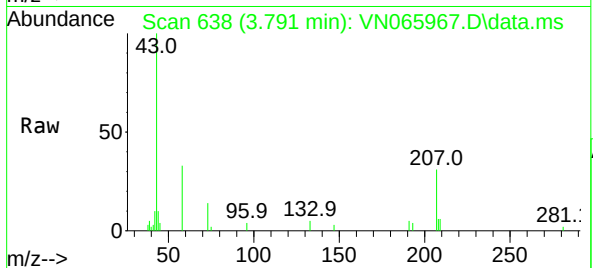




#16  
Acetone  
Concen: 23.79 ug/l  
RT: 3.791 min Scan# 638  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

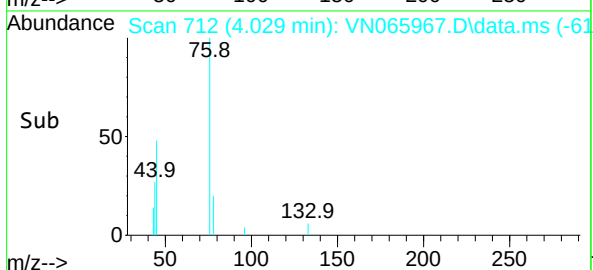
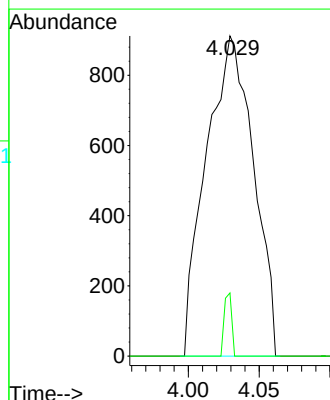
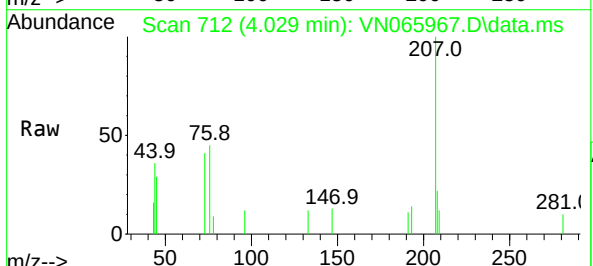
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

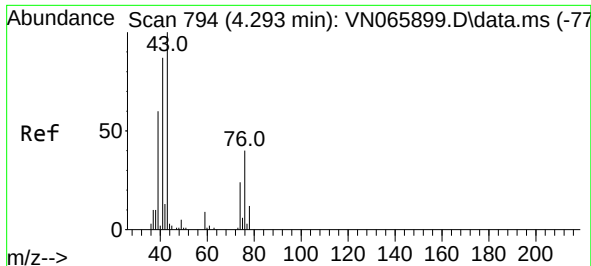
Tgt Ion: 43 Resp: 17316  
Ion Ratio Lower Upper  
43 100  
58 33.6 27.0 40.6



#17  
Carbon Disulfide  
Concen: 0.42 ug/l  
RT: 4.029 min Scan# 712  
Delta R.T. 0.022 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 76 Resp: 2120  
Ion Ratio Lower Upper  
76 100  
78 19.7 7.8 11.6#

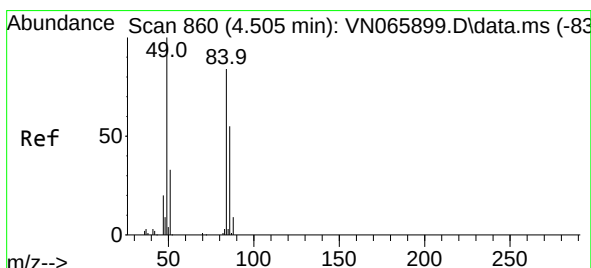
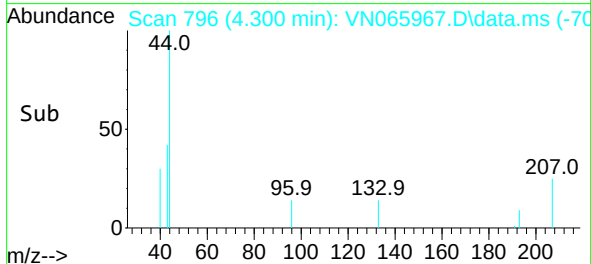
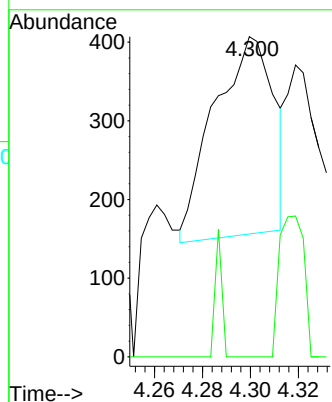
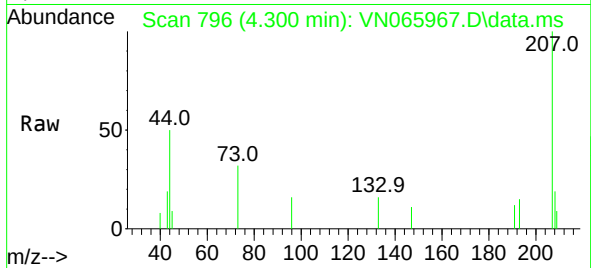




#18  
Methyl Acetate  
Concen: 0.24 ug/l  
RT: 4.300 min Scan# 796  
Delta R.T. 0.007 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

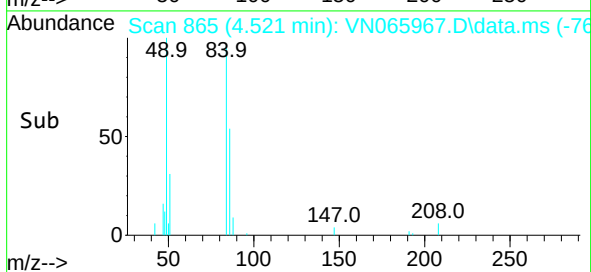
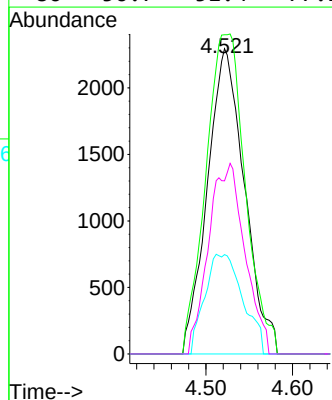
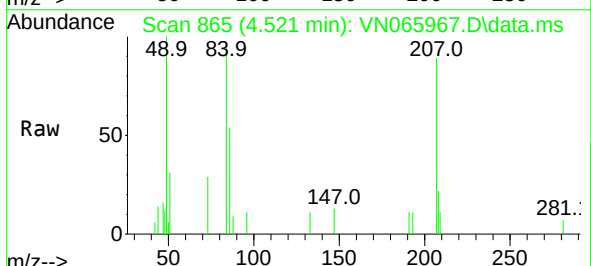
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

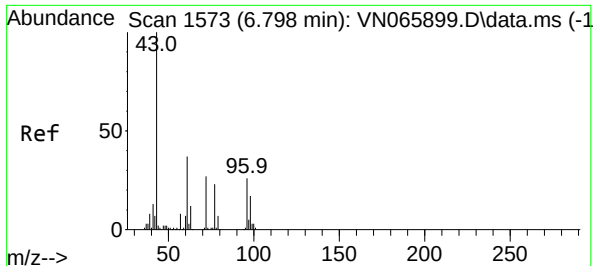
Tgt Ion: 43 Resp: 432  
Ion Ratio Lower Upper  
43 100  
74 7.2 19.5 29.3#



#20  
Methylene Chloride  
Concen: 3.38 ug/l  
RT: 4.521 min Scan# 865  
Delta R.T. 0.016 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 84 Resp: 6845  
Ion Ratio Lower Upper  
84 100  
49 104.6 94.6 141.8  
51 32.6 29.9 44.9  
86 56.7 51.4 77.2

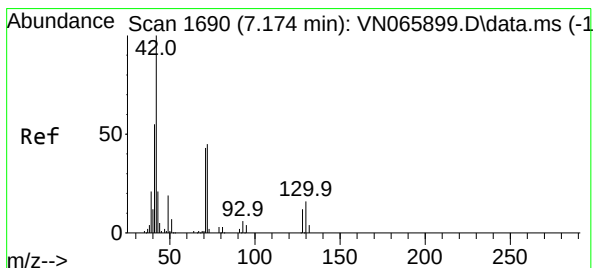
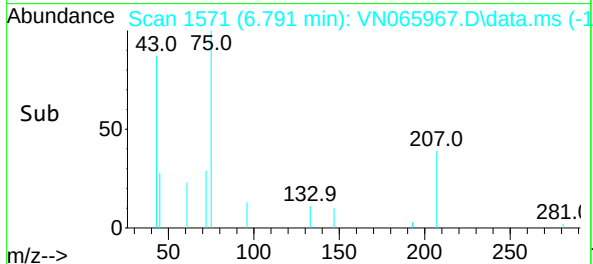
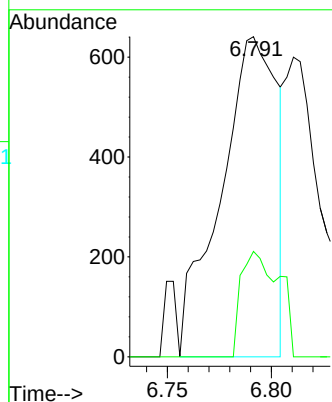
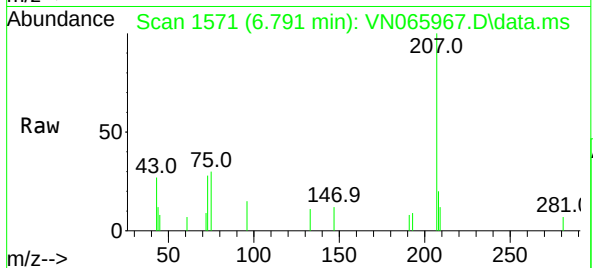




#25  
2-Butanone  
Concen: 1.12 ug/l  
RT: 6.791 min Scan# 1571  
Delta R.T. -0.007 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

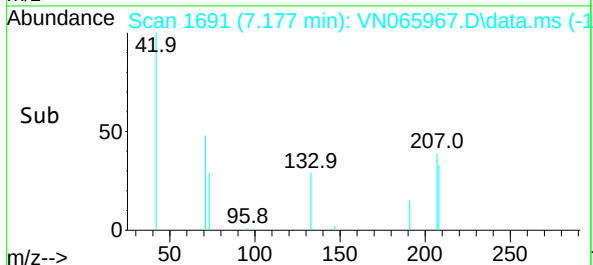
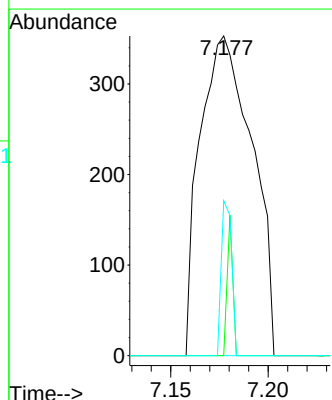
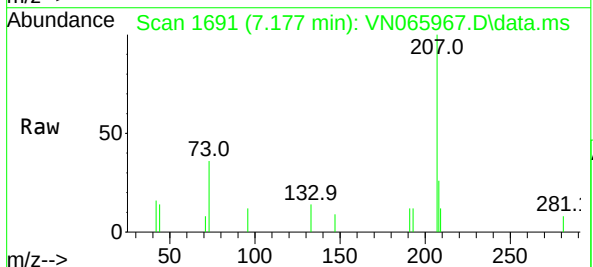
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

Tgt Ion: 43 Resp: 1211  
Ion Ratio Lower Upper  
43 100  
72 32.9 23.1 34.7

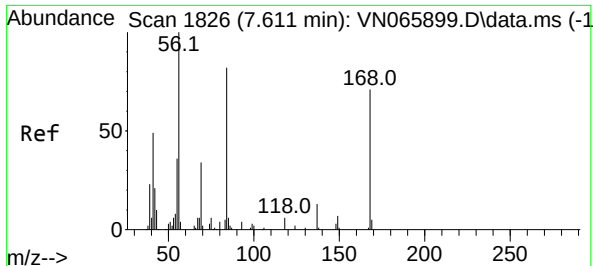


#29  
Tetrahydrofuran  
Concen: 0.88 ug/l  
RT: 7.177 min Scan# 1691  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 42 Resp: 657  
Ion Ratio Lower Upper  
42 100  
72 4.6 36.6 55.0#  
71 9.6 34.3 51.5#







#31

Cyclohexane

Concen: 0.97 ug/l

RT: 7.624 min Scan# 1830

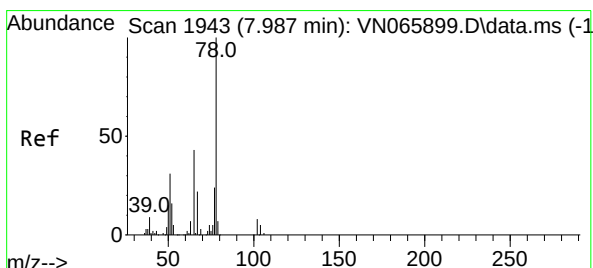
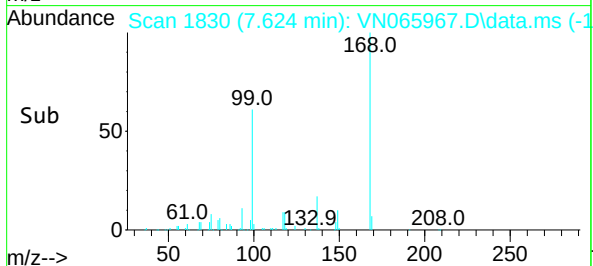
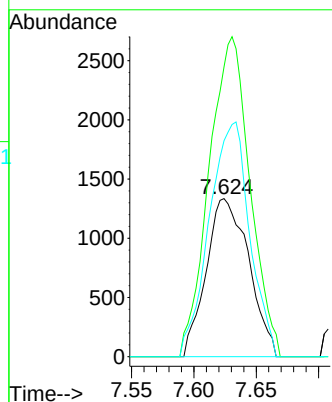
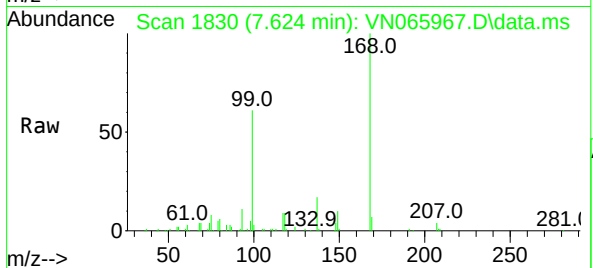
Delta R.T. 0.013 min

Lab File: VN065967.D

Acq: 22 Feb 2021 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 3171   |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 69       | 183.3 | 26.6  | 39.8#  |
| 84       | 136.6 | 70.4  | 105.6# |

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2



#33

1,2-Dichloroethane-d4

Concen: 46.22 ug/l

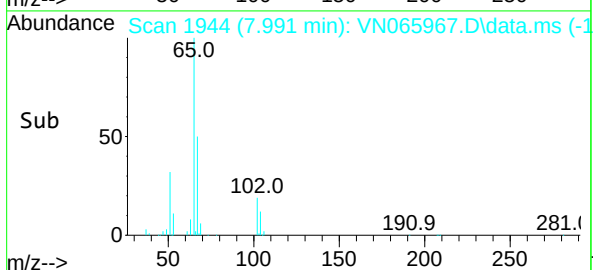
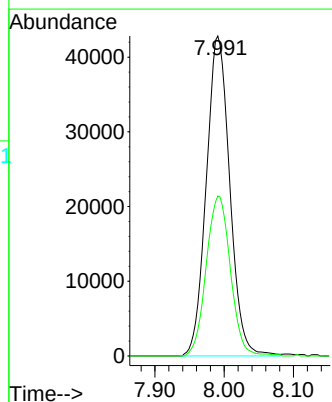
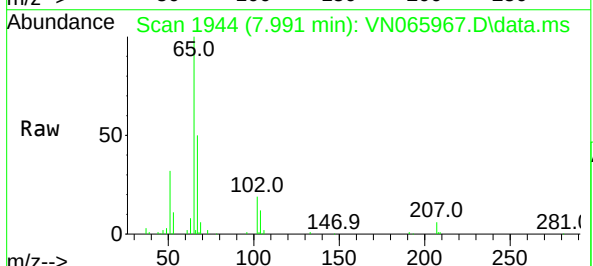
RT: 7.991 min Scan# 1944

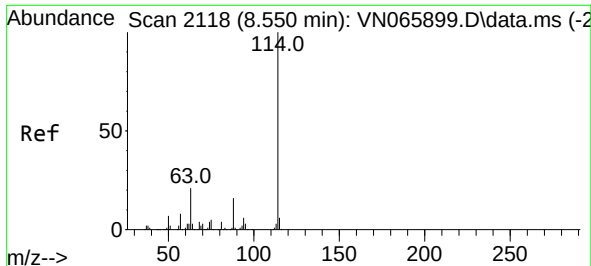
Delta R.T. 0.004 min

Lab File: VN065967.D

Acq: 22 Feb 2021 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 100935 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.2  | 0.0   | 107.2  |

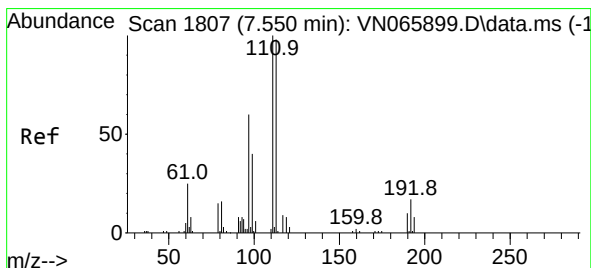
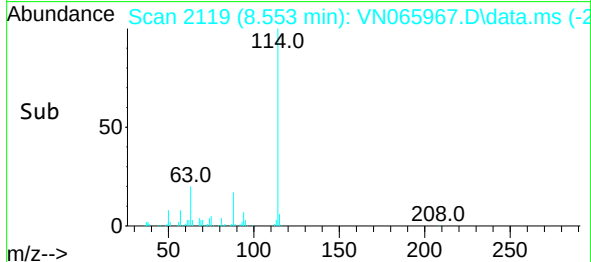
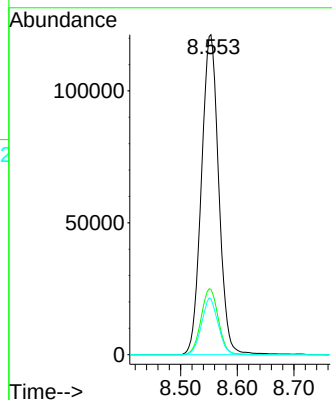
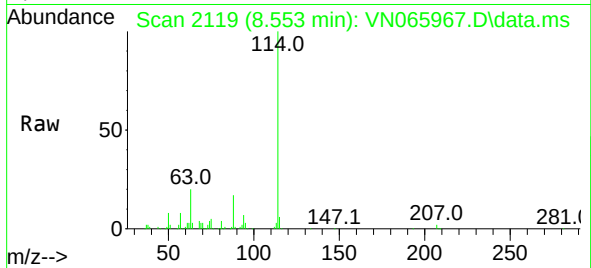




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

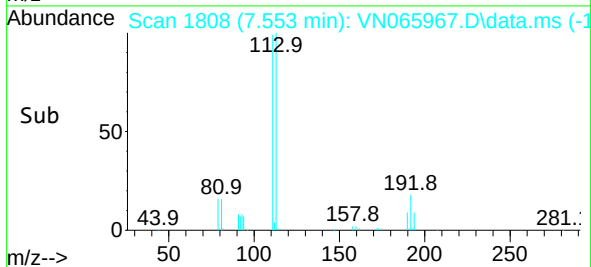
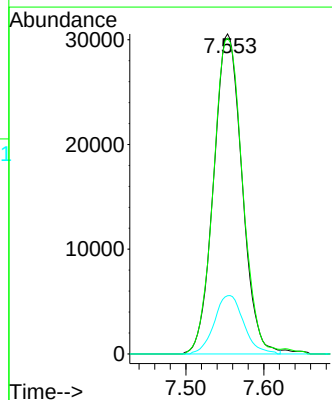
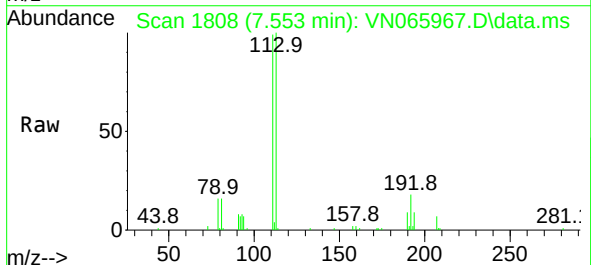
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

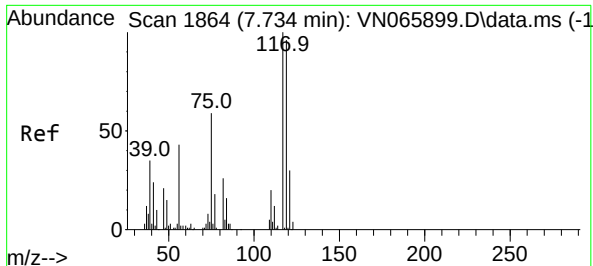
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 114   | Resp: | 257001 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 20.4  | 0.0   | 38.6   |
| 88        | 17.4  | 0.0   | 30.6   |



#35  
Dibromofluoromethane  
Concen: 48.65 ug/l  
RT: 7.553 min Scan# 1808  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 77389 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 101.0 | 82.2  | 123.2 |
| 192       | 18.9  | 15.4  | 23.0  |

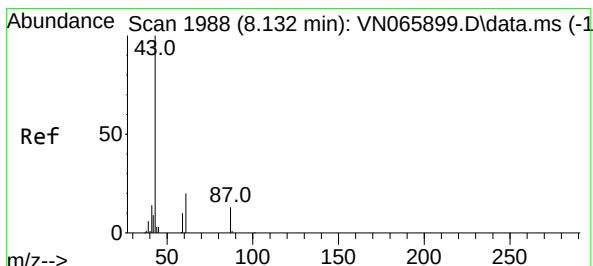
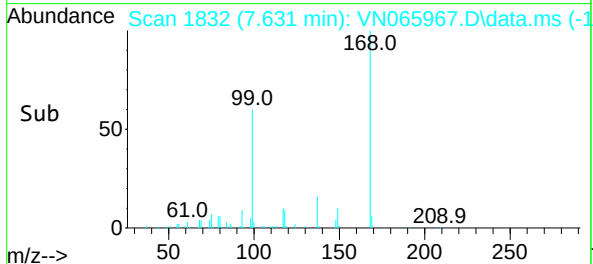
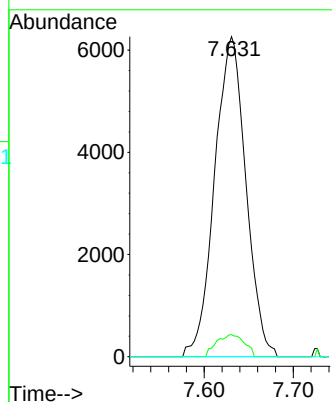
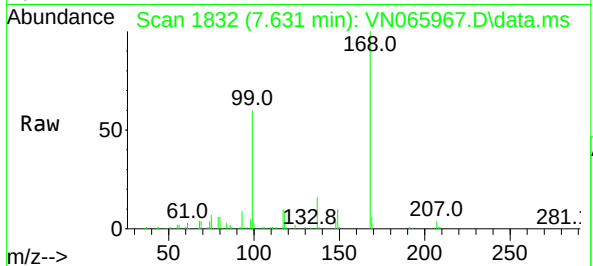




#38  
Carbon Tetrachloride  
Concen: 6.49 ug/l  
RT: 7.631 min Scan# 1832  
Delta R.T. -0.103 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

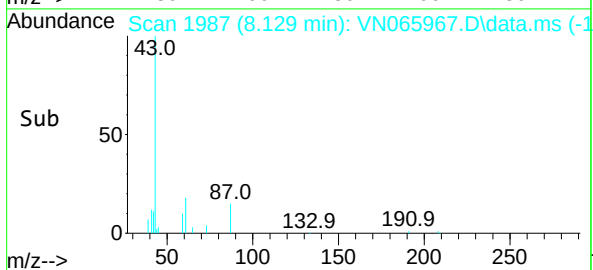
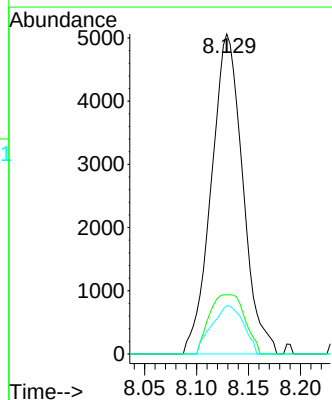
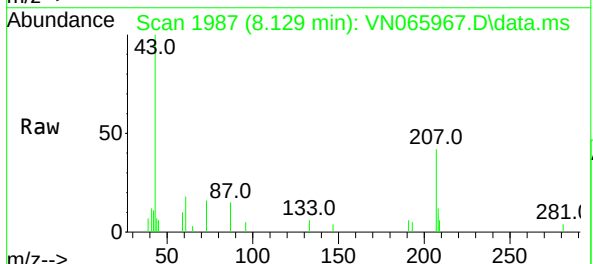
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

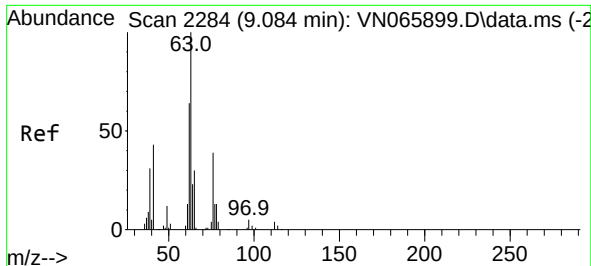
Tgt Ion:117 Resp: 15279  
Ion Ratio Lower Upper  
117 100  
119 6.9 76.0 114.0#  
121 0.0 24.5 36.7#



#43  
Isopropyl Acetate  
Concen: 2.92 ug/l  
RT: 8.129 min Scan# 1987  
Delta R.T. -0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 43 Resp: 10632  
Ion Ratio Lower Upper  
43 100  
61 20.9 22.5 33.7#  
87 15.2 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.30 ug/l

RT: 9.232 min Scan# 2330

Delta R.T. 0.148 min

Lab File: VN065967.D

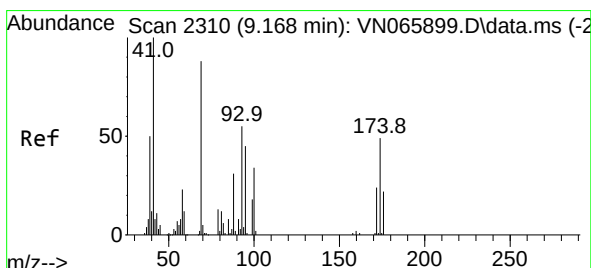
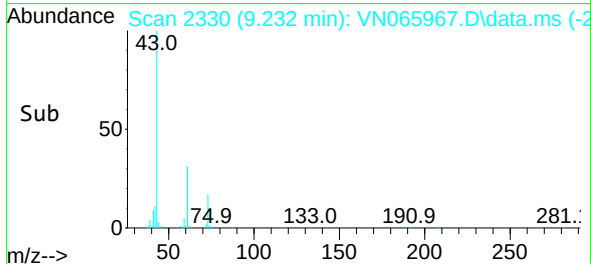
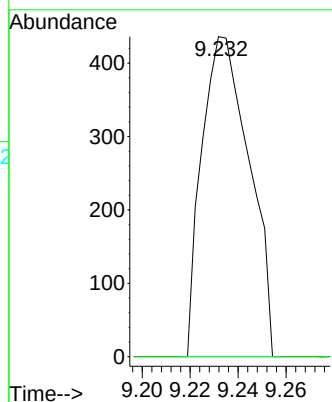
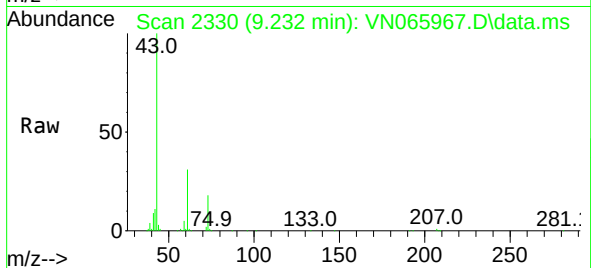
Acq: 22 Feb 2021 18:07

Tgt Ion: 63 Resp: 598

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.50 ug/l

RT: 9.148 min Scan# 2304

Delta R.T. -0.020 min

Lab File: VN065967.D

Acq: 22 Feb 2021 18:07

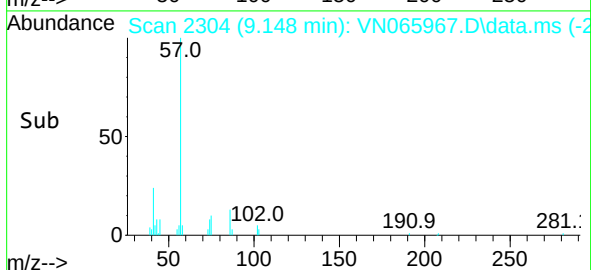
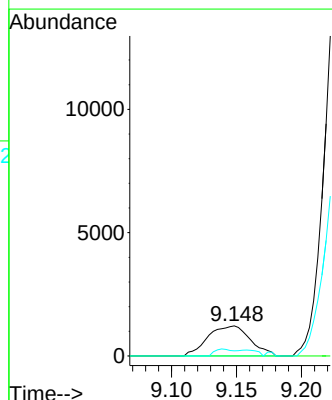
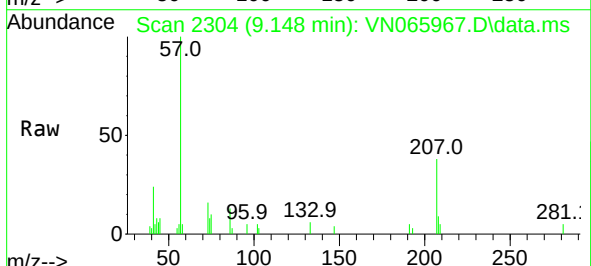
Tgt Ion: 41 Resp: 2764

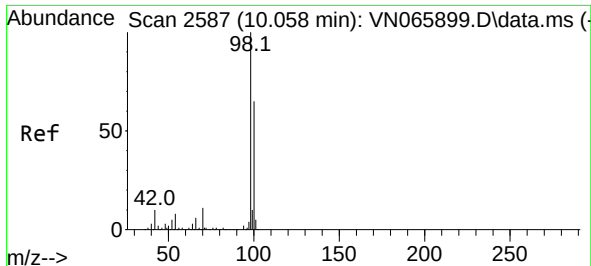
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

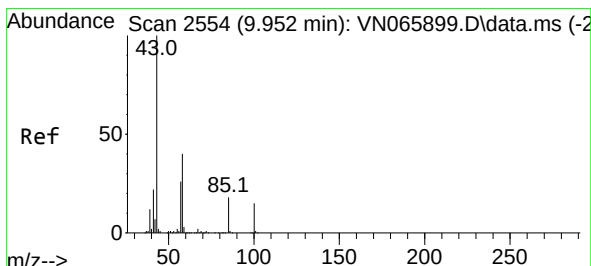
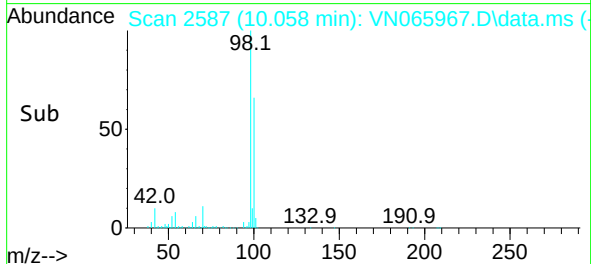
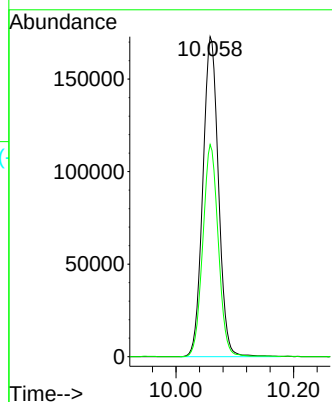
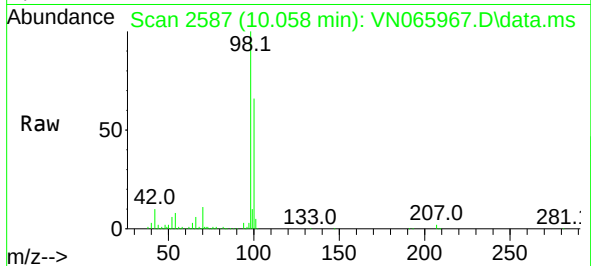




#50  
Toluene-d8  
Concen: 48.80 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

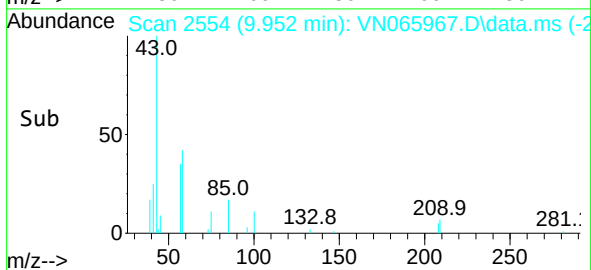
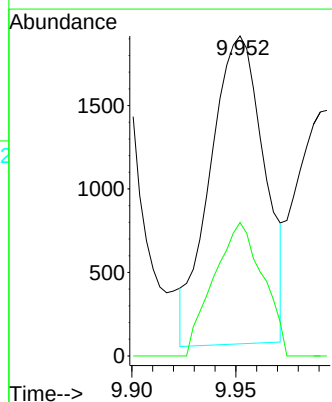
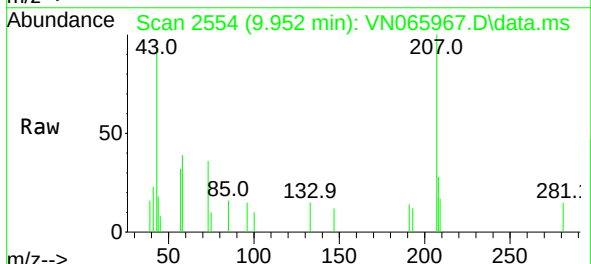
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

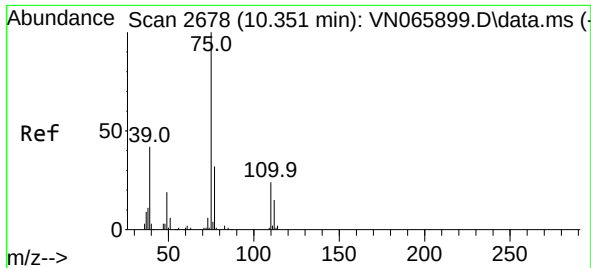
Tgt Ion: 98 Resp: 318638  
Ion Ratio Lower Upper  
98 100  
100 65.5 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 1.51 ug/l  
RT: 9.952 min Scan# 2554  
Delta R.T. 0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 43 Resp: 3346  
Ion Ratio Lower Upper  
43 100  
58 39.2 32.5 48.7

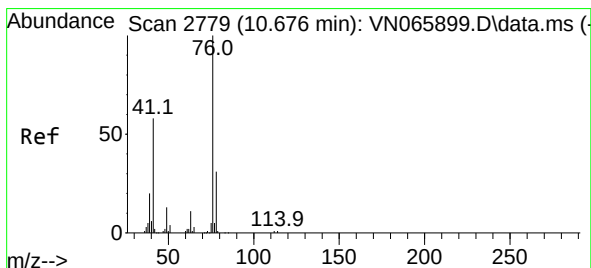
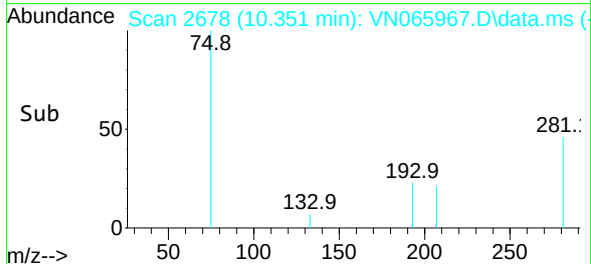
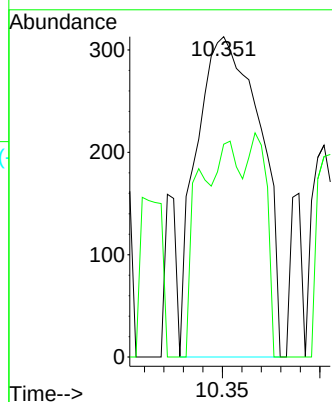
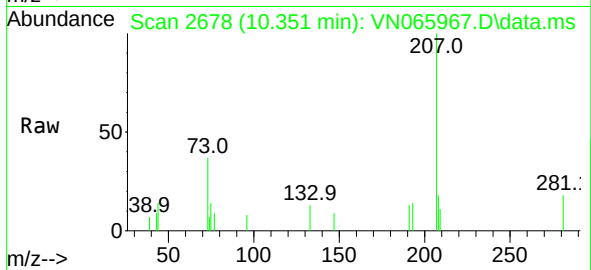




#53  
t-1,3-Dichloropropene  
Concen: 2.20 ug/l  
RT: 10.351 min Scan# 2678  
Delta R.T. -0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

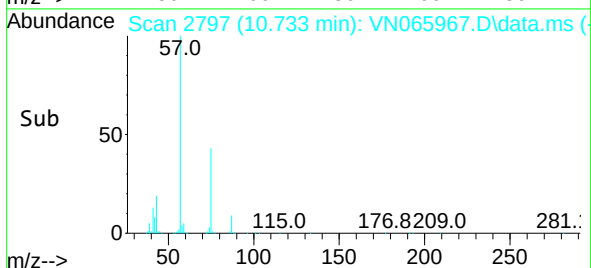
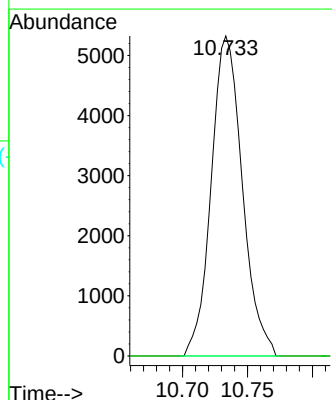
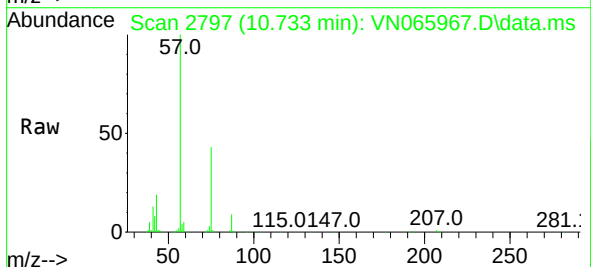
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

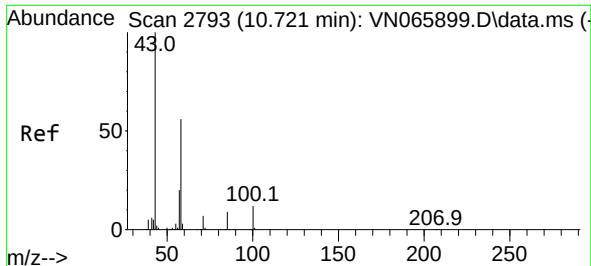
Tgt Ion: 75 Resp: 711  
Ion Ratio Lower Upper  
75 100  
77 66.5 26.2 39.4#



#57  
1,3-Dichloropropane  
Concen: 2.81 ug/l  
RT: 10.733 min Scan# 2797  
Delta R.T. 0.057 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 76 Resp: 8863  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.7 38.5#

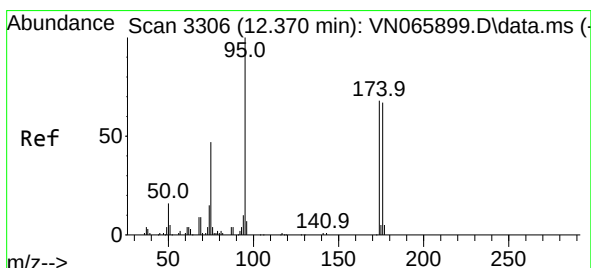
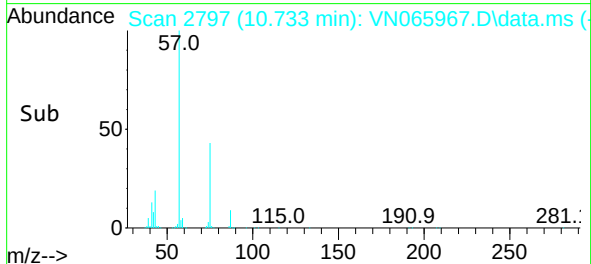
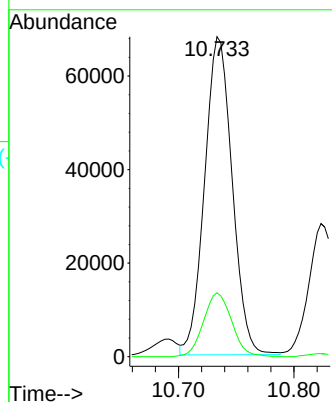
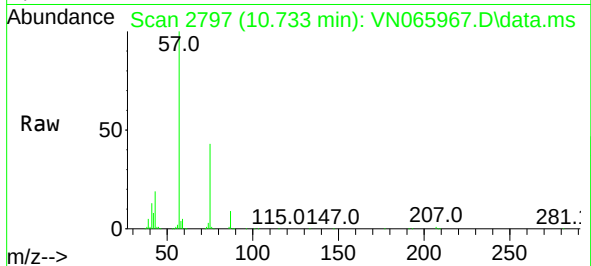




#59  
2-Hexanone  
Concen: 71.34 ug/l  
RT: 10.733 min Scan# 2797  
Delta R.T. 0.012 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

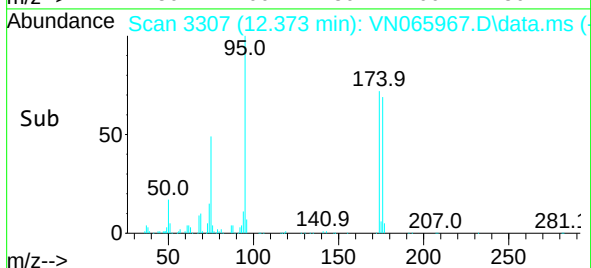
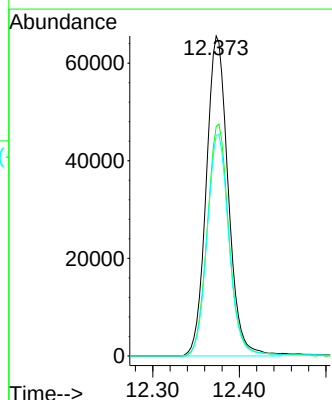
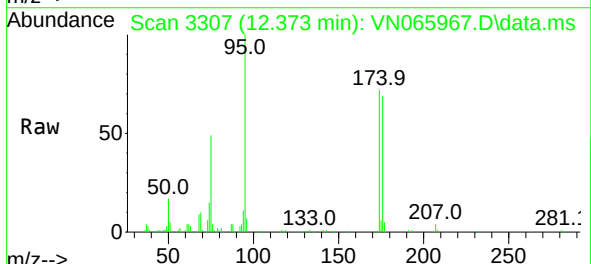
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

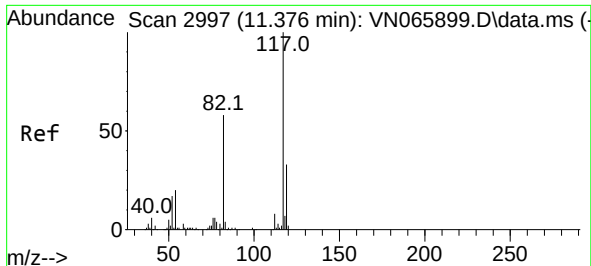
Tgt Ion: 43 Resp: 112772  
Ion Ratio Lower Upper  
43 100  
58 20.5 28.1 84.3#



#62  
4-Bromofluorobenzene  
Concen: 46.95 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 95 Resp: 115064  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 169.0  
176 69.4 0.0 162.4

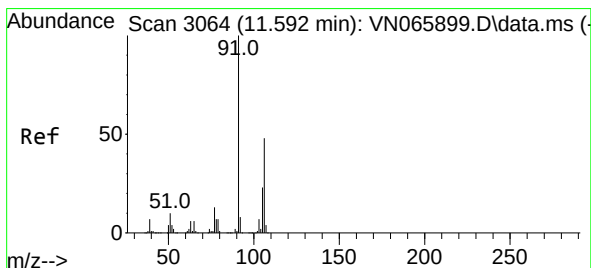
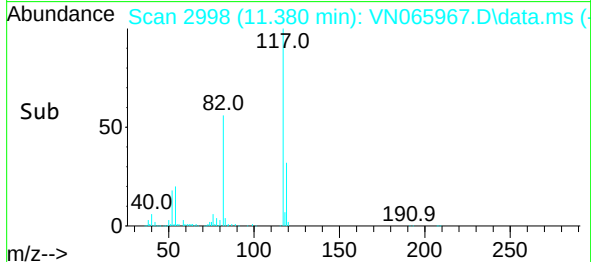
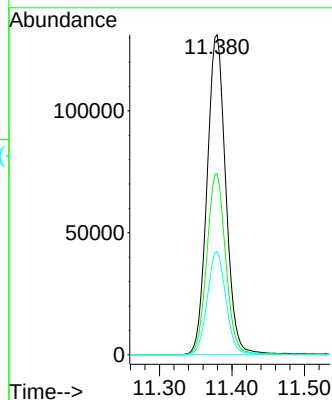
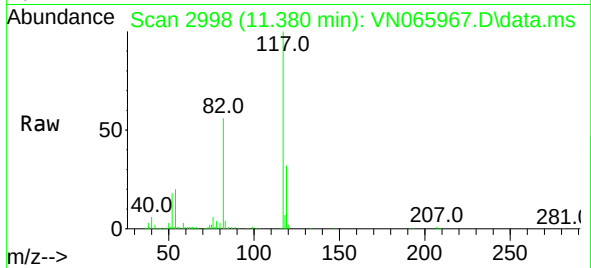




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. 0.004 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

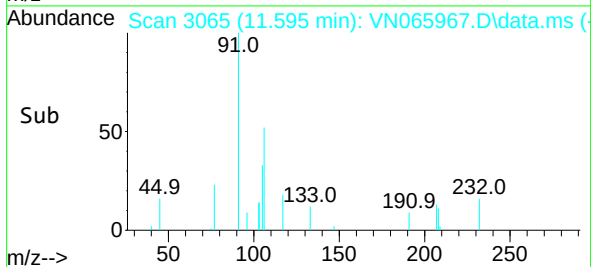
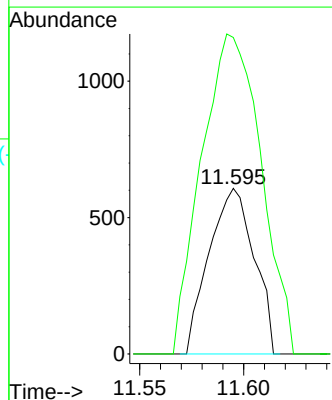
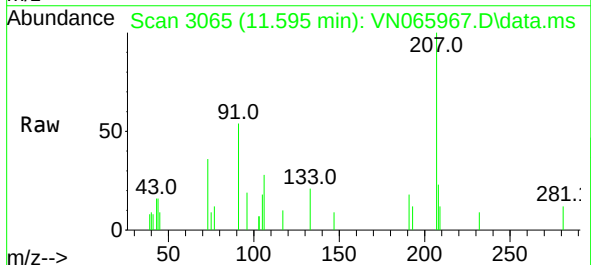
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

Tgt Ion:117 Resp: 234998  
Ion Ratio Lower Upper  
117 100  
82 56.5 43.7 65.5  
119 32.2 26.1 39.1

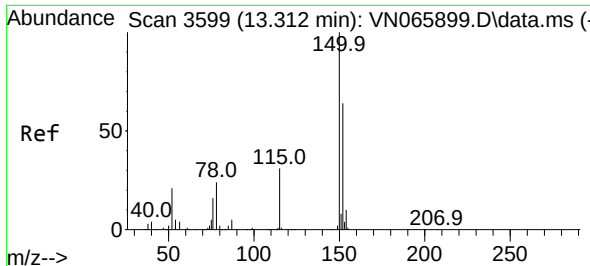


#68  
m/p-Xylenes  
Concen: 0.28 ug/l  
RT: 11.595 min Scan# 3065  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion:106 Resp: 917  
Ion Ratio Lower Upper  
106 100  
91 255.1 161.4 242.0#



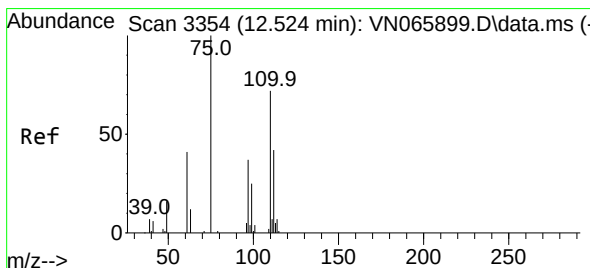
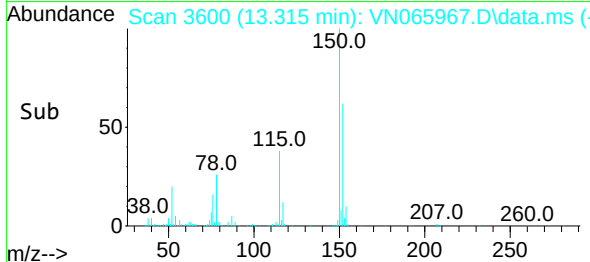
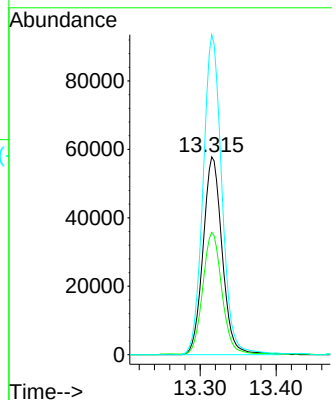
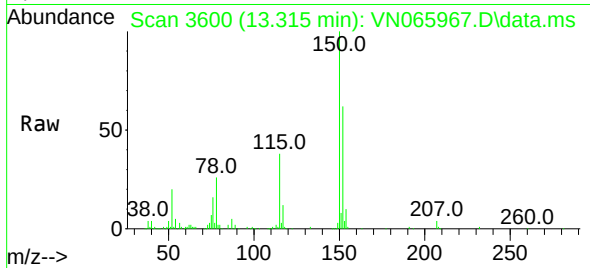




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 13.315 min Scan# 3600  
 Delta R.T. 0.003 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

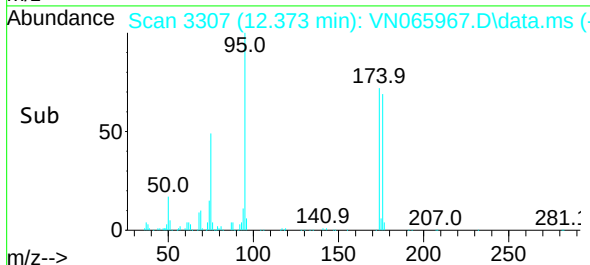
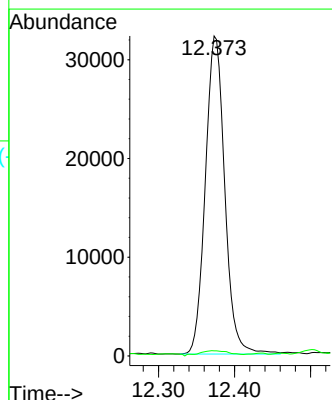
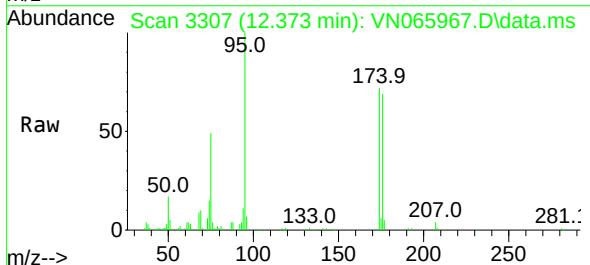
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-2

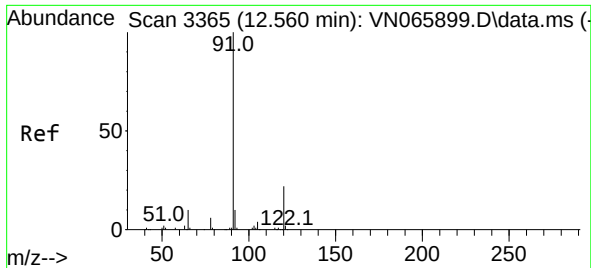
Tgt Ion:152 Resp: 101115  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 28.5 85.6  
 150 158.8 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 23.48 ug/l  
 RT: 12.373 min Scan# 3307  
 Delta R.T. -0.151 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

Tgt Ion: 75 Resp: 57039  
 Ion Ratio Lower Upper  
 75 100  
 77 2.7 0.0 0.0#

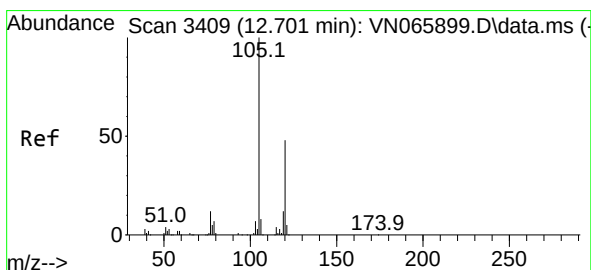
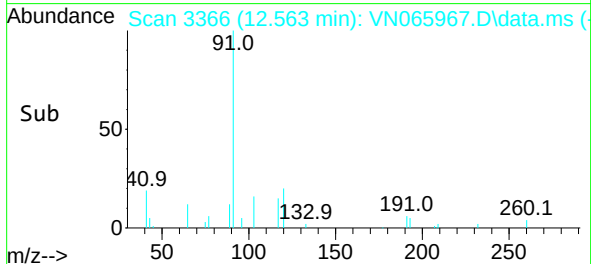
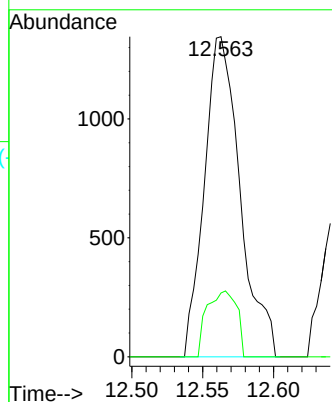
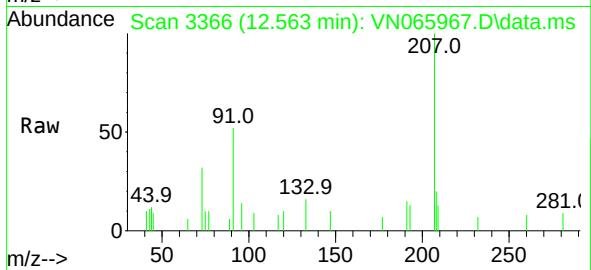




#78  
n-propylbenzene  
Concen: 0.25 ug/l  
RT: 12.563 min Scan# 3366  
Delta R.T. 0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

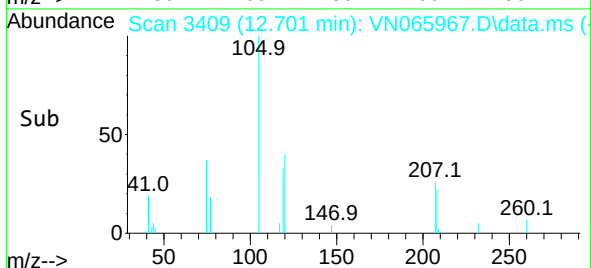
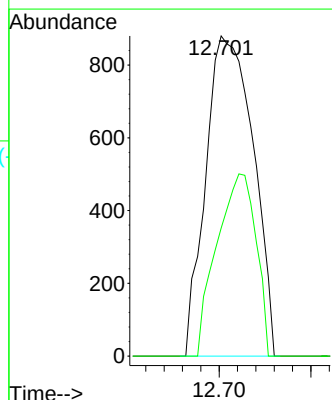
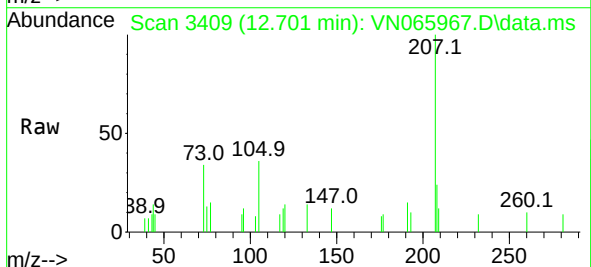
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

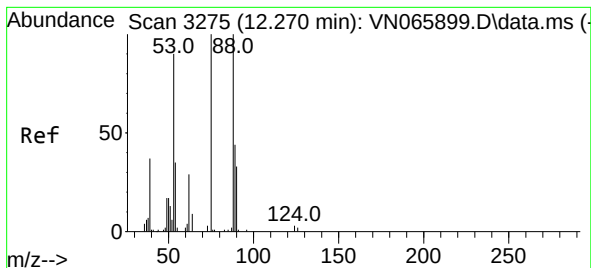
Tgt Ion: 91 Resp: 2363  
Ion Ratio Lower Upper  
91 100  
120 17.0 11.8 35.3



#80  
1,3,5-Trimethylbenzene  
Concen: 0.23 ug/l  
RT: 12.701 min Scan# 3409  
Delta R.T. 0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 105 Resp: 1579  
Ion Ratio Lower Upper  
105 100  
120 46.9 24.3 72.8

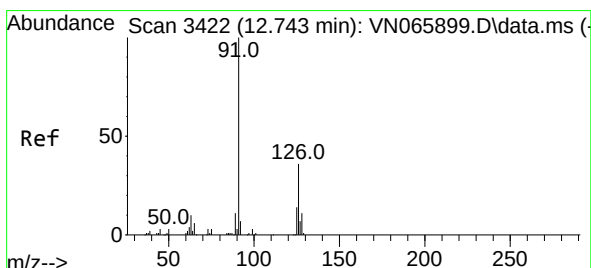
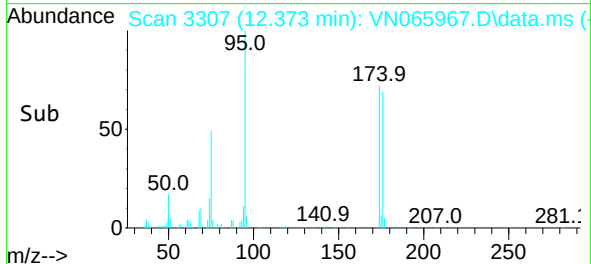
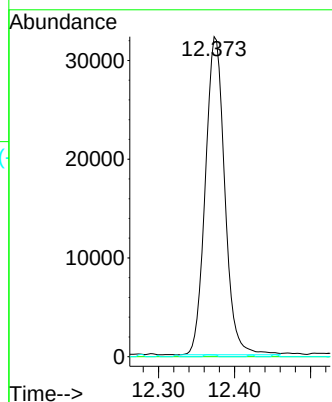
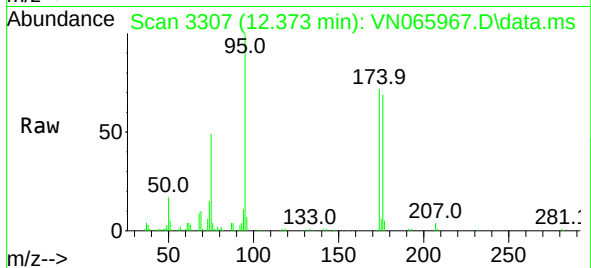




#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.83 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

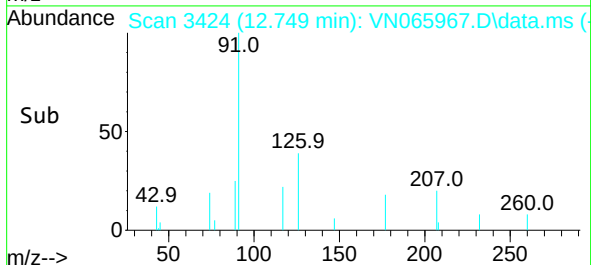
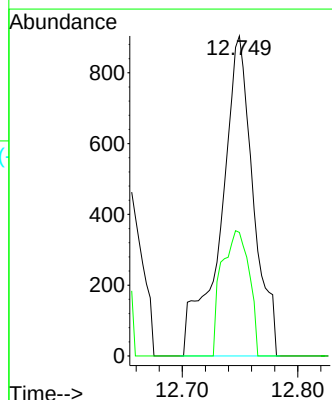
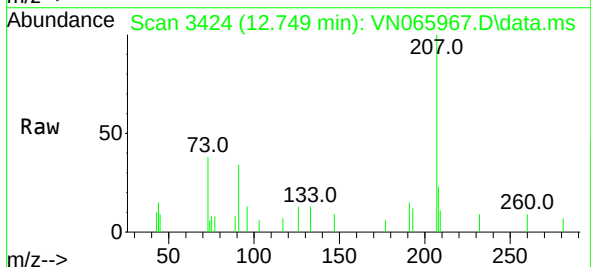
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

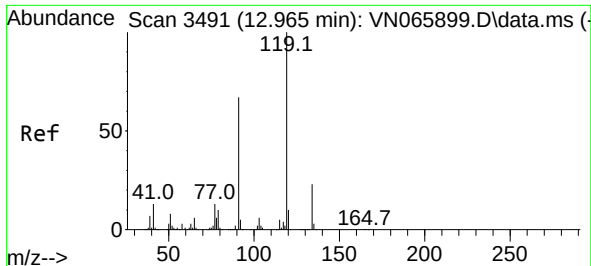
Tgt Ion: 75 Resp: 57039  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.4 35.8 53.8#



#82  
4-Chlorotoluene  
Concen: 0.30 ug/l  
RT: 12.749 min Scan# 3424  
Delta R.T. 0.006 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

Tgt Ion: 91 Resp: 1762  
Ion Ratio Lower Upper  
91 100  
126 33.0 17.2 51.6

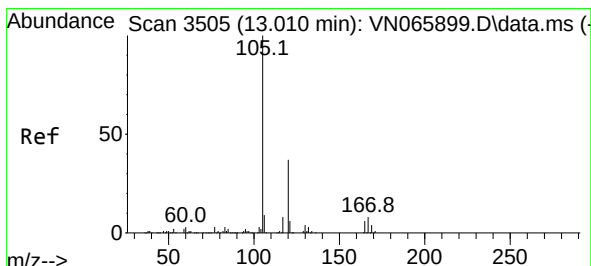
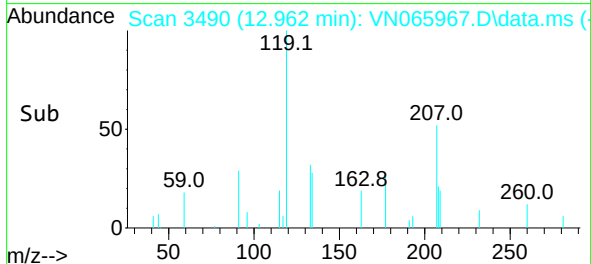
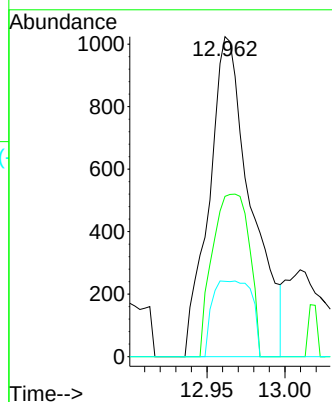
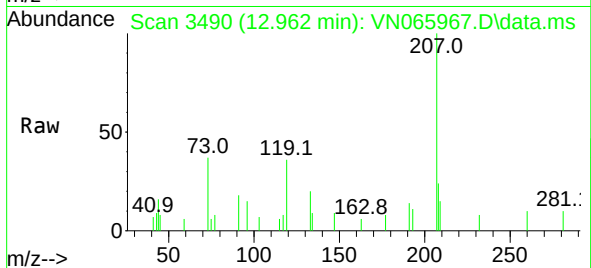




#83  
tert-Butylbenzene  
Concen: 0.33 ug/l  
RT: 12.962 min Scan# 3490  
Delta R.T. -0.003 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

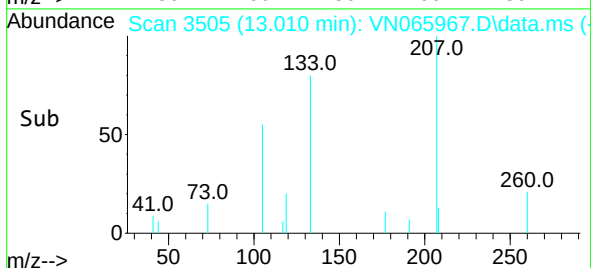
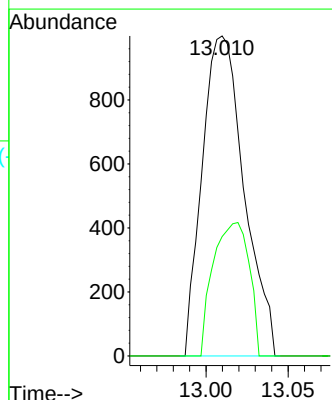
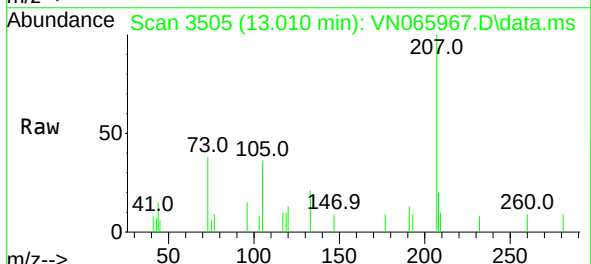
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-2

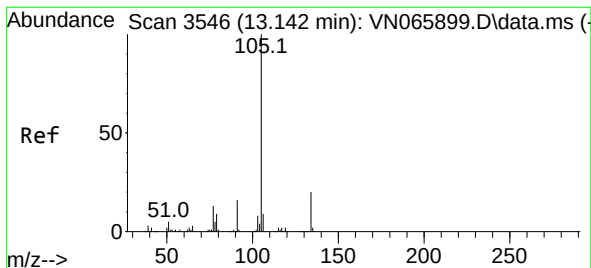
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 1911  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 44.7  | 33.0  | 98.9  |
| 134      | 22.0  | 12.7  | 38.1  |



#84  
1,2,4-Trimethylbenzene  
Concen: 0.25 ug/l  
RT: 13.010 min Scan# 3505  
Delta R.T. -0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 1775  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 35.6  | 22.4  | 67.0  |

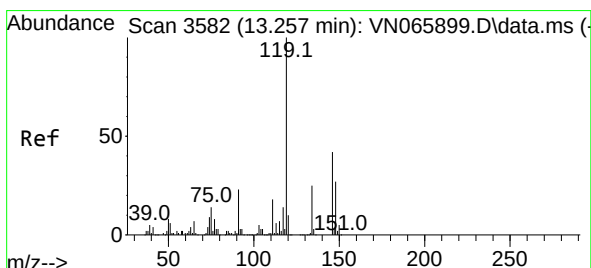
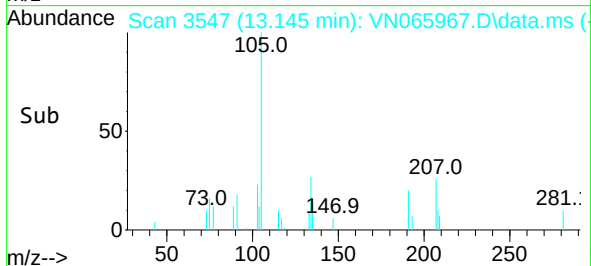
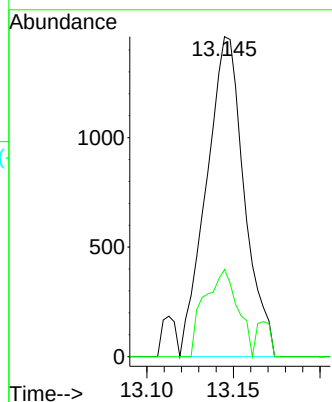
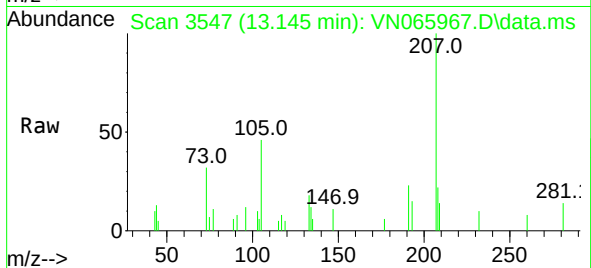




#85  
 sec-Butylbenzene  
 Concen: 0.30 ug/l  
 RT: 13.145 min Scan# 3547  
 Delta R.T. 0.003 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

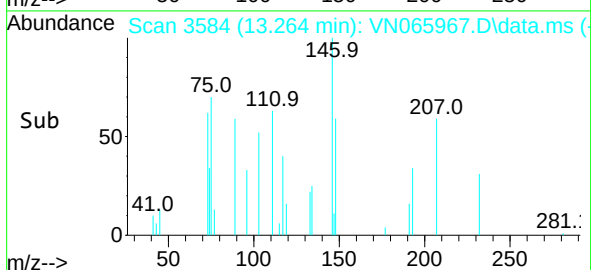
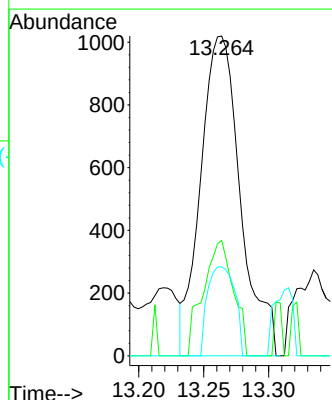
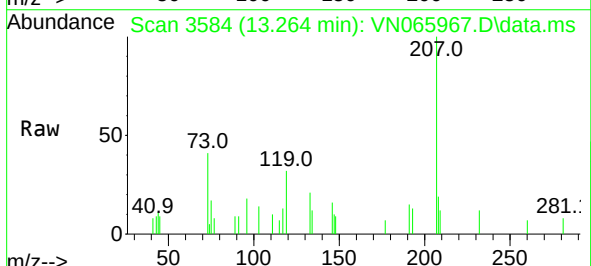
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-2

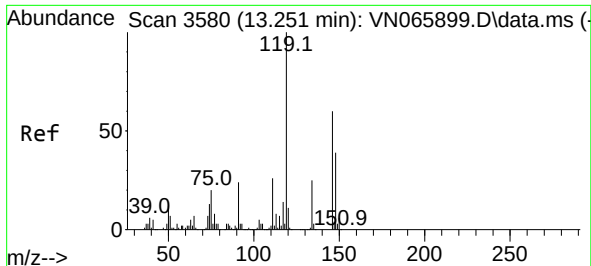
Tgt Ion:105 Resp: 2220  
 Ion Ratio Lower Upper  
 105 100  
 134 23.8 10.0 30.0



#86  
 p-Isopropyltoluene  
 Concen: 0.32 ug/l  
 RT: 13.264 min Scan# 3584  
 Delta R.T. 0.007 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

Tgt Ion:119 Resp: 2179  
 Ion Ratio Lower Upper  
 119 100  
 134 27.4 13.3 39.8  
 91 18.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 0.32 ug/l

RT: 13.257 min Scan# 3582

Delta R.T. 0.006 min

Lab File: VN065967.D

Acq: 22 Feb 2021 18:07

Tgt Ion:146 Resp: 1058

Ion Ratio Lower Upper

146 100

111 41.7 19.5 58.5

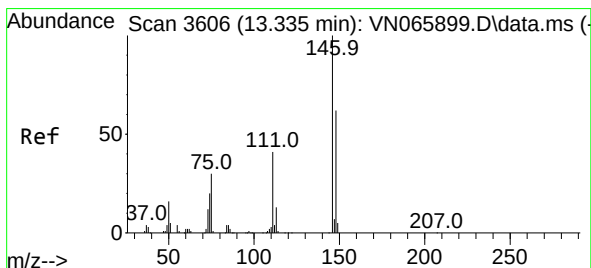
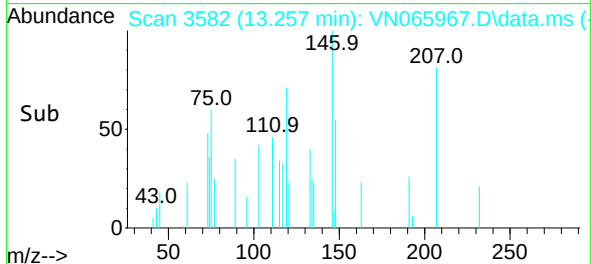
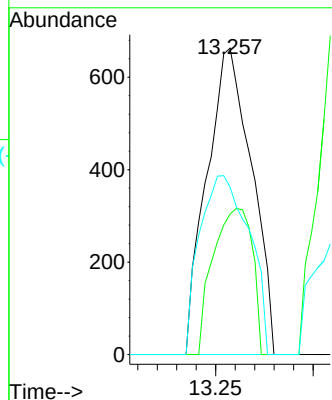
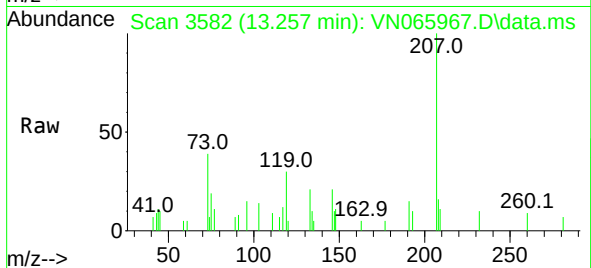
148 64.4 32.3 96.9

Instrument :

MSVOA\_N

ClientSampled :

TP-2



#88

1,4-Dichlorobenzene

Concen: 0.31 ug/l

RT: 13.257 min Scan# 3582

Delta R.T. -0.078 min

Lab File: VN065967.D

Acq: 22 Feb 2021 18:07

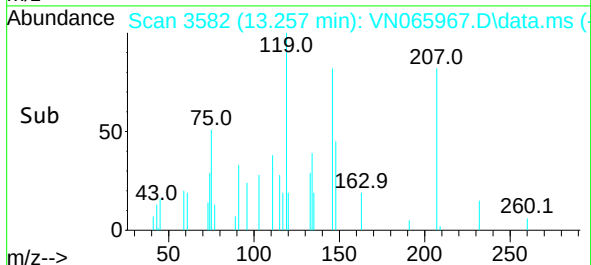
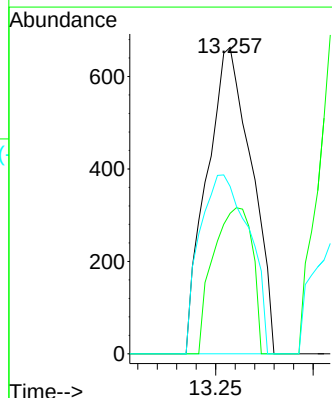
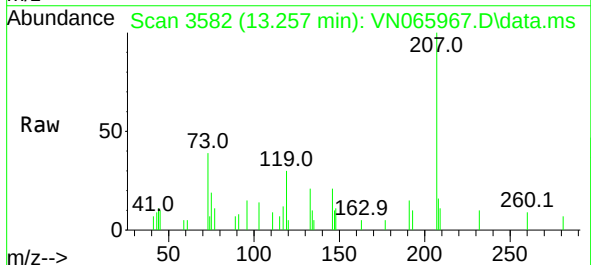
Tgt Ion:146 Resp: 1058

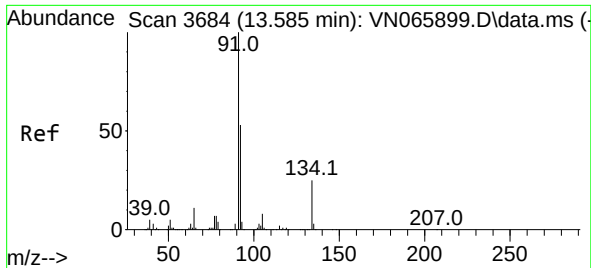
Ion Ratio Lower Upper

146 100

111 41.7 19.0 57.0

148 64.4 31.8 95.3

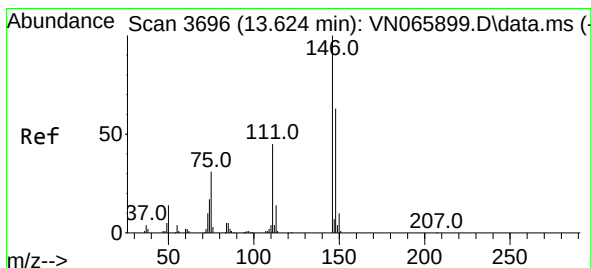
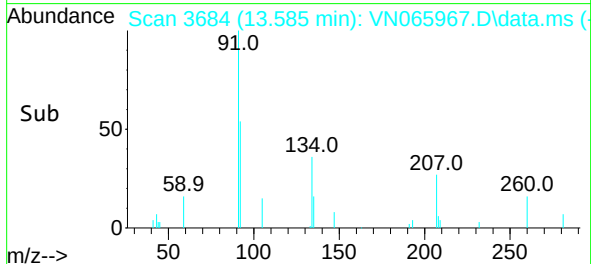
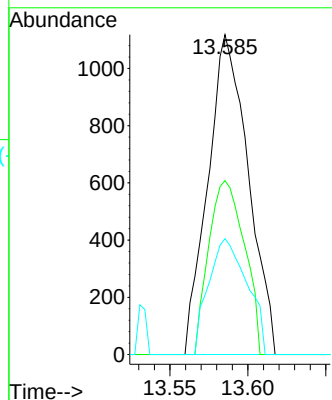
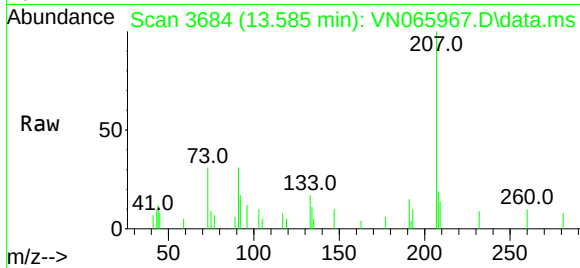




#89  
n-Butylbenzene  
Concen: 0.35 ug/l  
RT: 13.585 min Scan# 3684  
Delta R.T. 0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

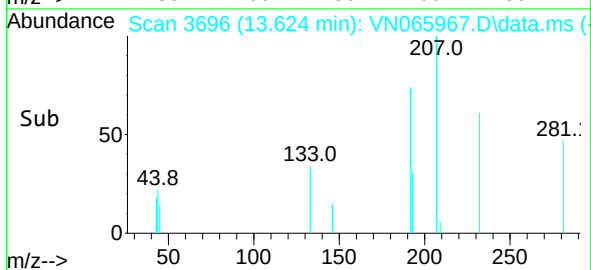
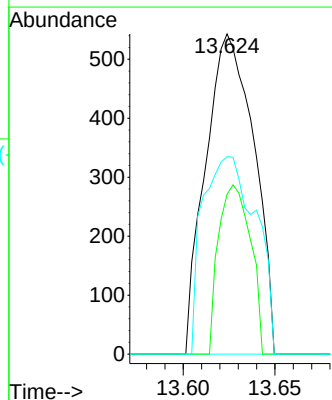
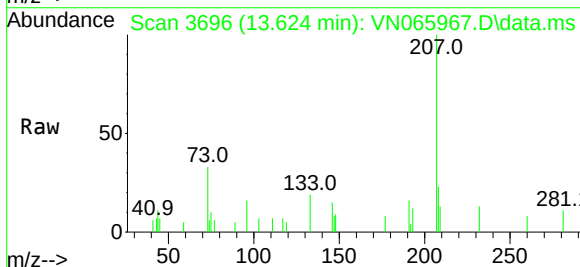
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

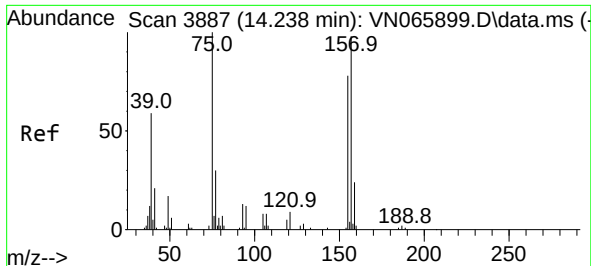
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 2012  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 48.2  | 26.1  | 78.3  |
| 134      | 34.8  | 13.0  | 38.9  |



#91  
1,2-Dichlorobenzene  
Concen: 0.30 ug/l  
RT: 13.624 min Scan# 3696  
Delta R.T. -0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 995   |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 35.0  | 20.1  | 60.3  |
| 148      | 67.5  | 32.0  | 96.0  |

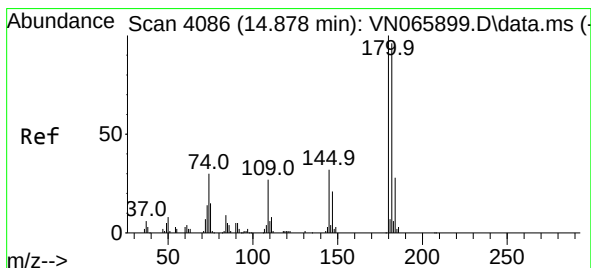
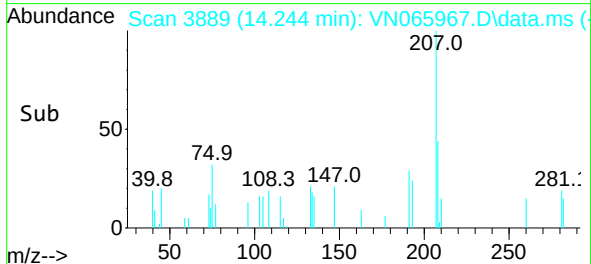
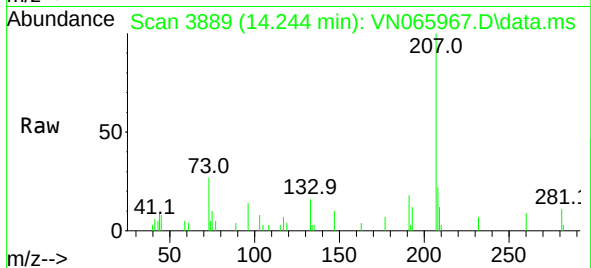




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.45 ug/l  
 RT: 14.244 min Scan# 3889  
 Delta R.T. 0.006 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

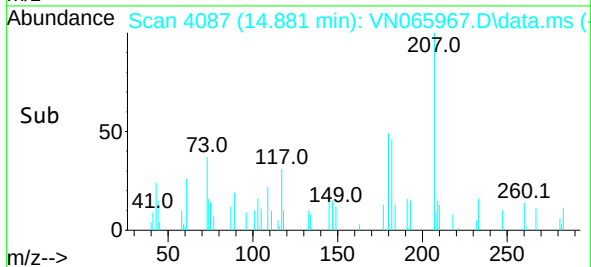
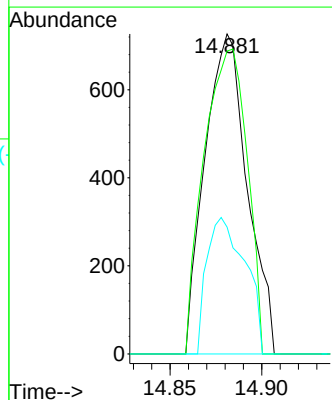
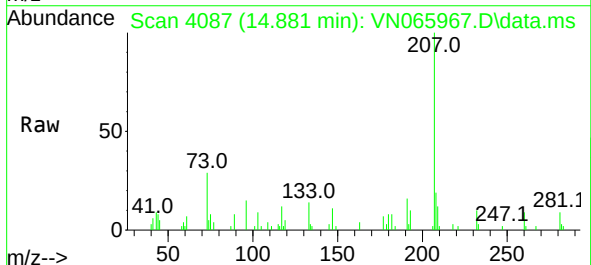
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-2

Tgt Ion: 75 Resp: 294  
 Ion Ratio Lower Upper  
 75 100  
 155 0.0 44.1 132.4#  
 157 0.0 56.0 168.2#

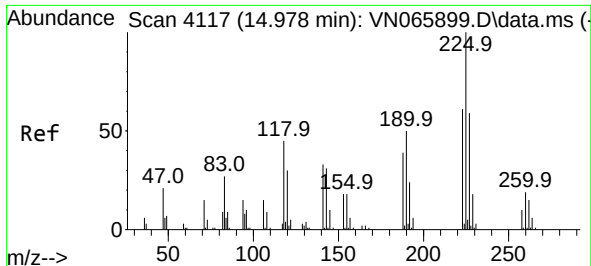


#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.08 ug/l  
 RT: 14.881 min Scan# 4087  
 Delta R.T. 0.003 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

Tgt Ion: 180 Resp: 1167  
 Ion Ratio Lower Upper  
 180 100  
 182 97.3 47.3 142.0  
 145 38.6 15.6 46.8



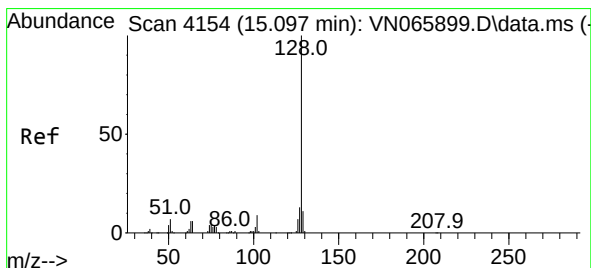
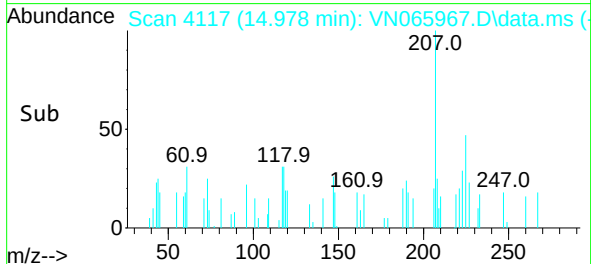
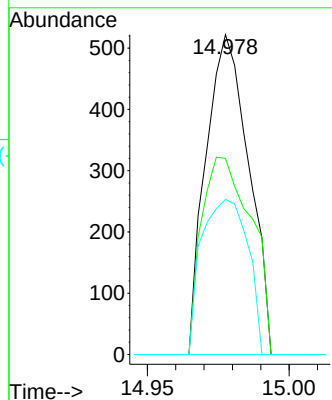
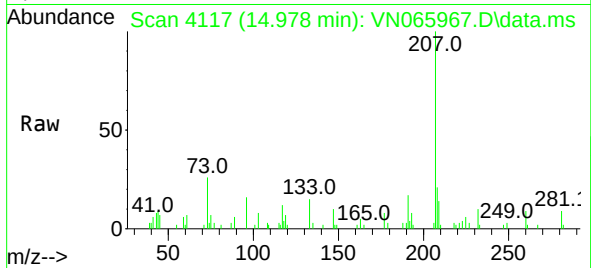




#94  
Hexachlorobutadiene  
Concen: 0.70 ug/l  
RT: 14.978 min Scan# 4117  
Delta R.T. -0.000 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

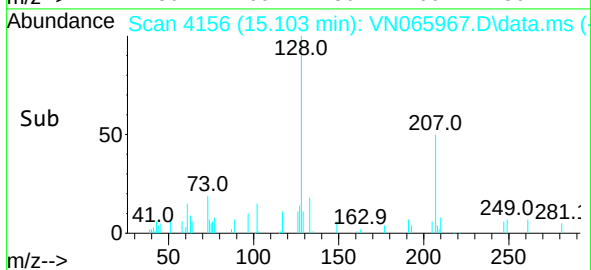
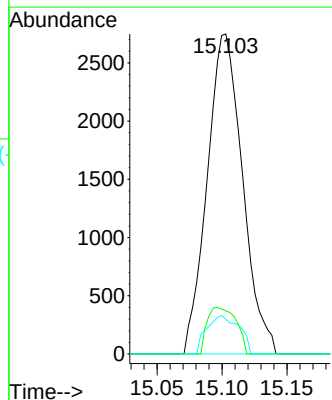
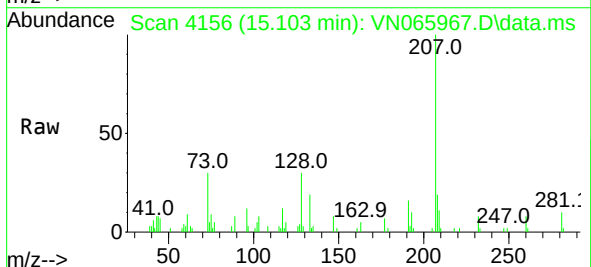
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-2

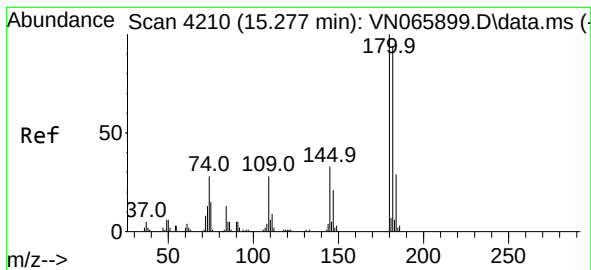
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 547   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 71.5  | 31.9  | 95.9  |
| 227      | 52.3  | 31.6  | 95.0  |



#95  
Naphthalene  
Concen: 3.89 ug/l  
RT: 15.103 min Scan# 4156  
Delta R.T. 0.006 min  
Lab File: VN065967.D  
Acq: 22 Feb 2021 18:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 5202  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.9  | 10.2  | 15.2  |
| 129      | 11.0  | 8.6   | 13.0  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 3.11 ug/l  
 RT: 15.280 min Scan# 4211  
 Delta R.T. 0.003 min  
 Lab File: VN065967.D  
 Acq: 22 Feb 2021 18:07

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-2

Tgt Ion:180 Resp: 1778  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 84.5  | 47.4  | 142.3 |
| 145 | 32.4  | 16.5  | 49.5  |

