

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020821\  
 Data File : VN065762.D  
 Acq On : 8 Feb 2021 18:04  
 Operator : JC/MD  
 Sample : PB134480ZHE#01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB134480ZHE#01

Quant Time: Feb 09 00:42:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

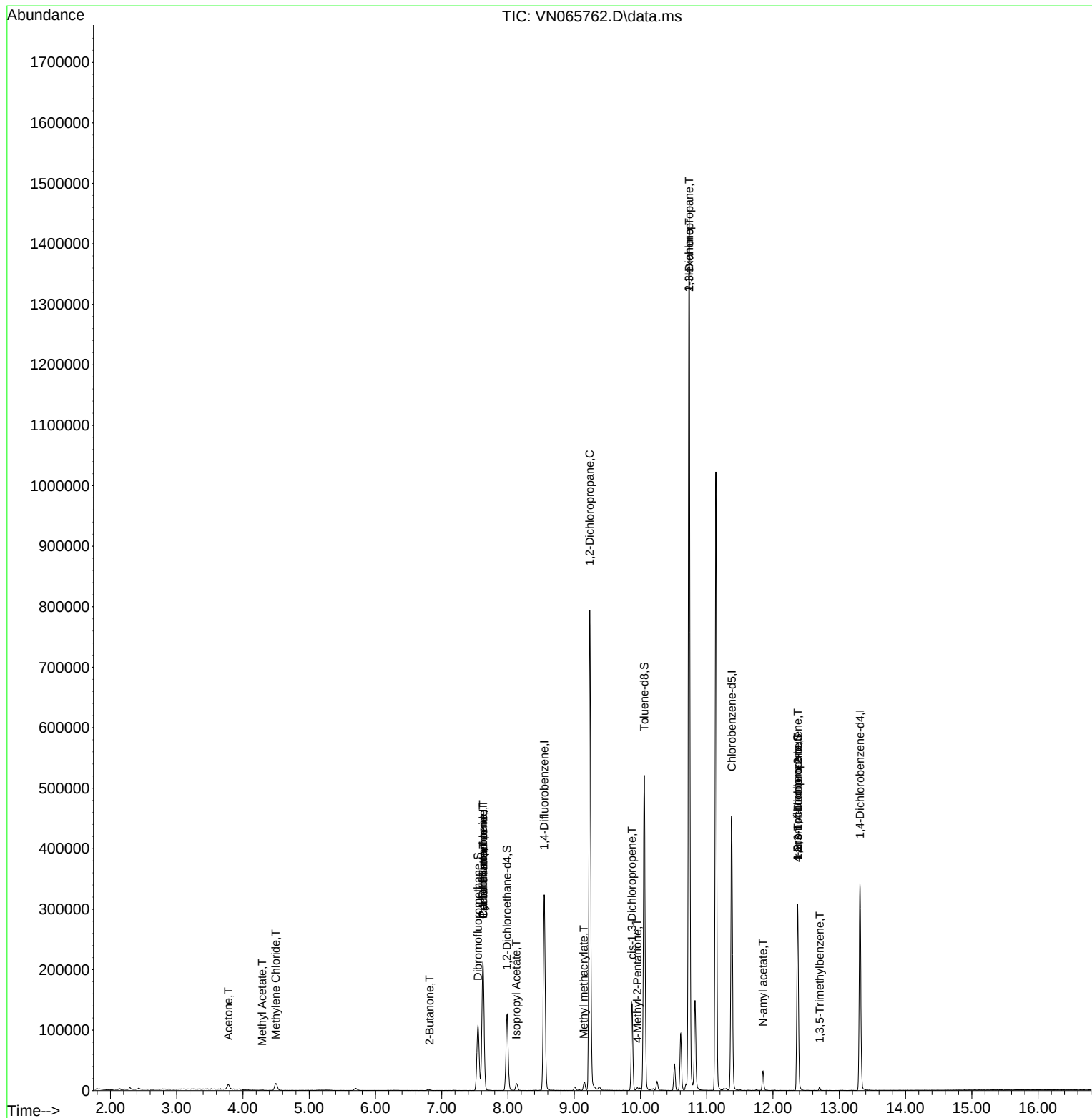
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 7.624          | 168  | 180586     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.547          | 114  | 302726     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.376         | 117  | 274393     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.312         | 152  | 101851     | 50.00   | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 7.987          | 65   | 103555     | 43.59   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 87.18%  |        |          |
| 35) Dibromofluoromethane      | 7.547          | 113  | 87922      | 49.01   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 98.02%  |        |          |
| 50) Toluene-d8                | 10.058         | 98   | 382015     | 54.17   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 108.34% |        |          |
| 62) 4-Bromofluorobenzene      | 12.370         | 95   | 124748     | 49.13   | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 98.26%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 16) Acetone                   | 3.779          | 43   | 13397      | 14.49   | ug/l   | 99       |
| 18) Methyl Acetate            | 4.290          | 43   | 629        | 0.24    | ug/l # | 51       |
| 20) Methylene Chloride        | 4.496          | 84   | 9165       | 3.58    | ug/l   | 96       |
| 25) 2-Butanone                | 6.817          | 43   | 1639       | 1.13    | ug/l # | 46       |
| 31) Cyclohexane               | 7.624          | 56   | 3185       | 0.71    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.621          | 75   | 13229      | 4.34    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 7.624          | 117  | 16789      | 6.69    | ug/l # | 17       |
| 43) Isopropyl Acetate         | 8.126          | 43   | 13651      | 2.63    | ug/l # | 92       |
| 45) 1,2-Dichloropropane       | 9.235          | 63   | 896        | 0.35    | ug/l # | 44       |
| 48) Methyl methacrylate       | 9.145          | 41   | 3291       | 1.34    | ug/l # | 10       |
| 51) 4-Methyl-2-Pentanone      | 9.952          | 43   | 3861       | 1.35    | ug/l # | 84       |
| 54) cis-1,3-Dichloropropene   | 9.872          | 75   | 29422      | 7.48    | ug/l # | 55       |
| 57) 1,3-Dichloropropane       | 10.733         | 76   | 15789      | 4.27    | ug/l # | 43       |
| 59) 2-Hexanone                | 10.733         | 43   | 201015     | 101.35  | ug/l # | 51       |
| 74) N-amyl acetate            | 11.849         | 43   | 10180      | 2.70    | ug/l # | 50       |
| 76) 1,2,3-Trichloropropane    | 12.373         | 75   | 55859      | 20.97   | ug/l # | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.704         | 105  | 3664       | 0.48    | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.373         | 75   | 55859      | 53.72   | ug/l # | 12       |
| -----                         |                |      |            |         |        |          |

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

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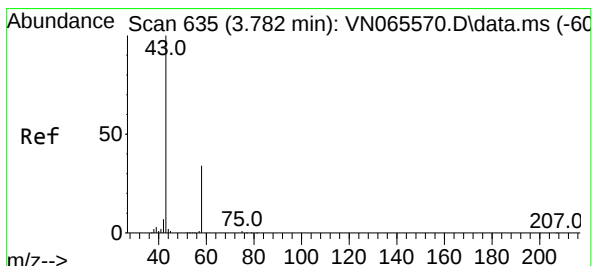
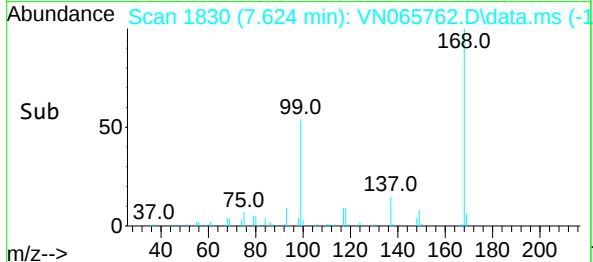
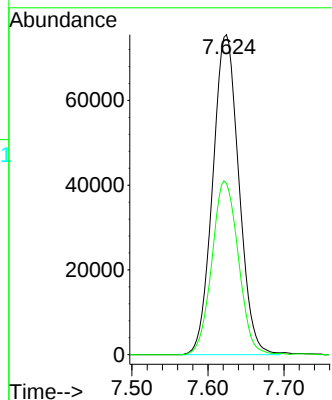
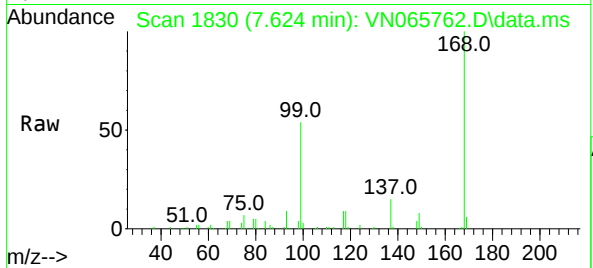




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

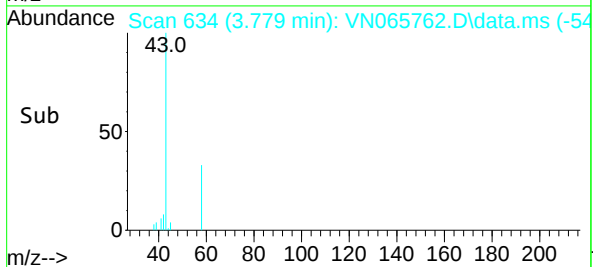
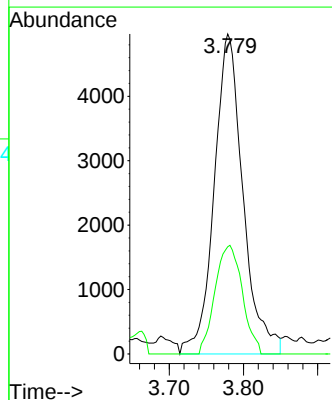
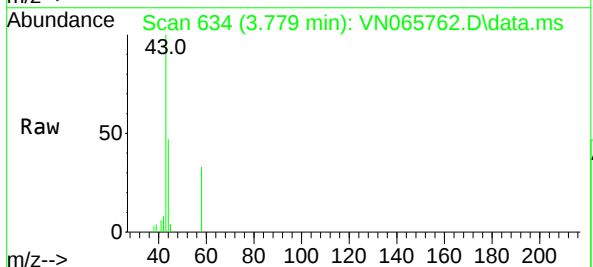
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

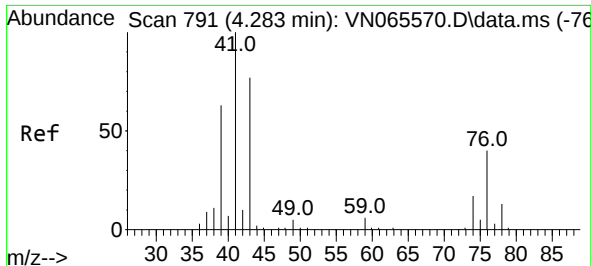
Tgt Ion:168 Resp: 180586  
Ion Ratio Lower Upper  
168 100  
99 53.5 42.6 63.8



#16  
Acetone  
Concen: 14.49 ug/l  
RT: 3.779 min Scan# 634  
Delta R.T. -0.003 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

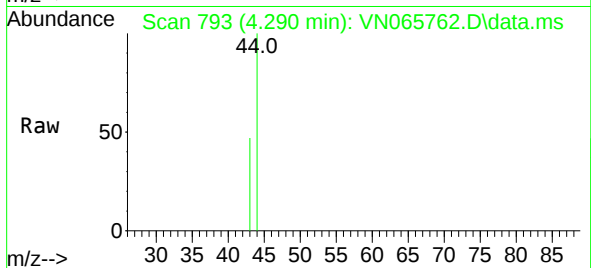
Tgt Ion: 43 Resp: 13397  
Ion Ratio Lower Upper  
43 100  
58 33.5 27.0 40.6



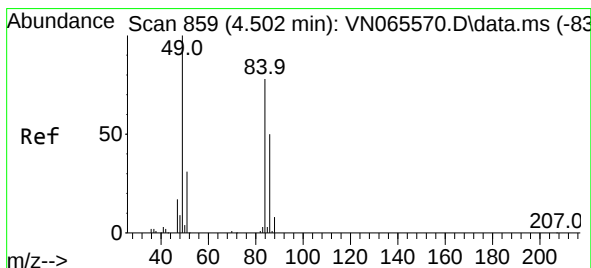
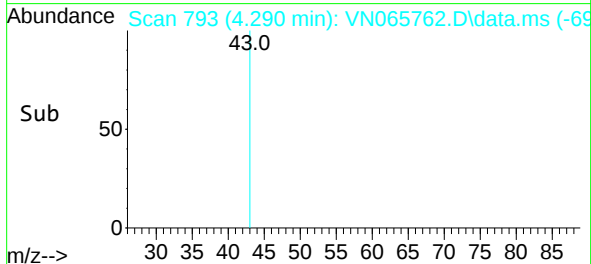
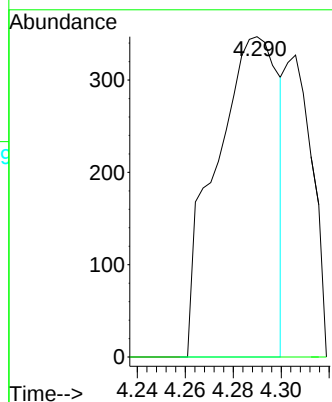


#18  
Methyl Acetate  
Concen: 0.24 ug/l  
RT: 4.290 min Scan# 793  
Delta R.T. 0.007 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Instrument :  
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ClientSampleId :  
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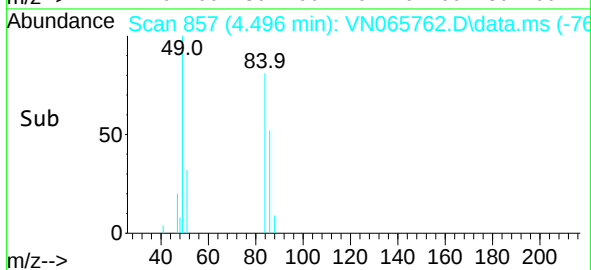
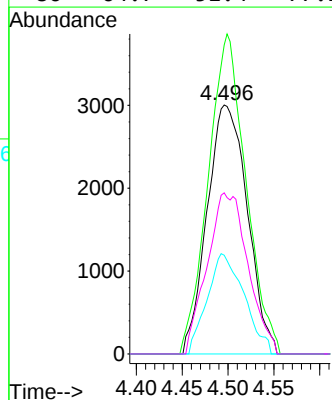
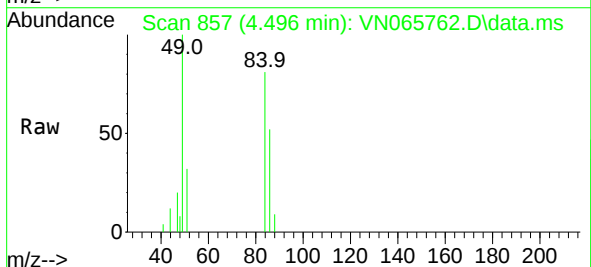


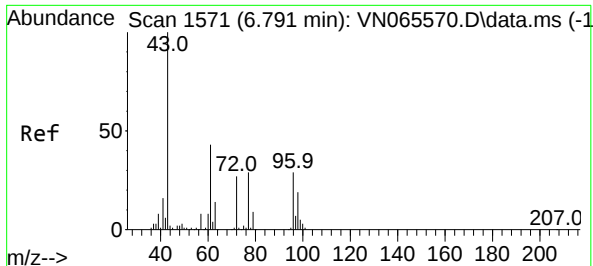
Tgt Ion: 43 Resp: 629  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.5 29.3#



#20  
Methylene Chloride  
Concen: 3.58 ug/l  
RT: 4.496 min Scan# 857  
Delta R.T. -0.006 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

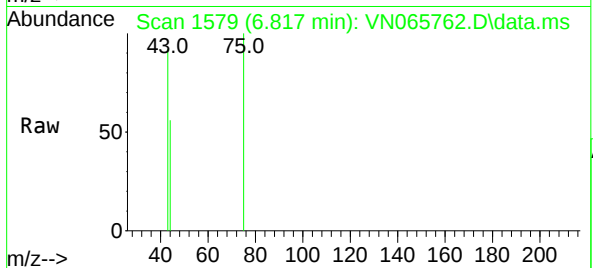
Tgt Ion: 84 Resp: 9165  
Ion Ratio Lower Upper  
84 100  
49 124.1 94.6 141.8  
51 39.6 29.9 44.9  
86 64.7 51.4 77.2



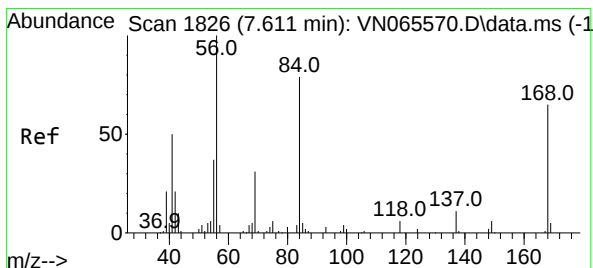
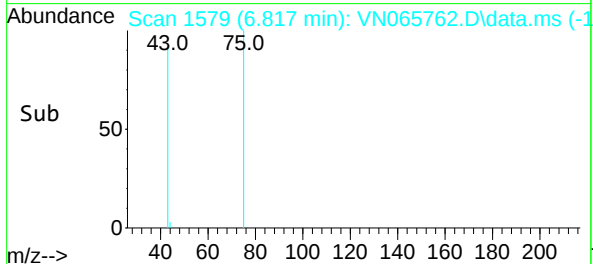
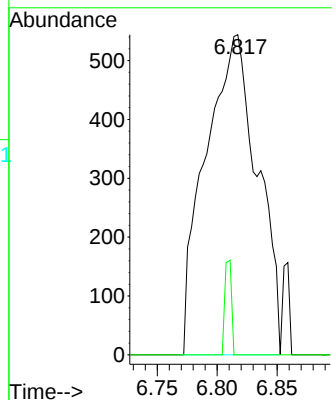


#25  
2-Butanone  
Concen: 1.13 ug/l  
RT: 6.817 min Scan# 1579  
Delta R.T. 0.026 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

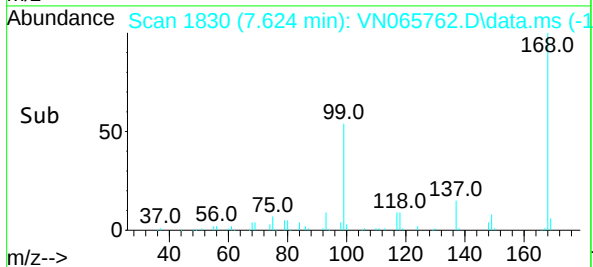
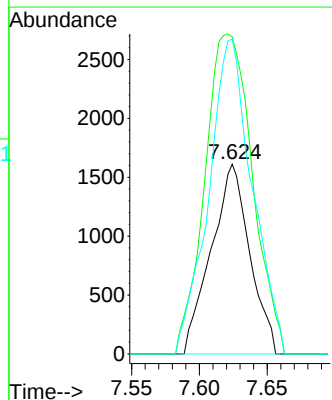
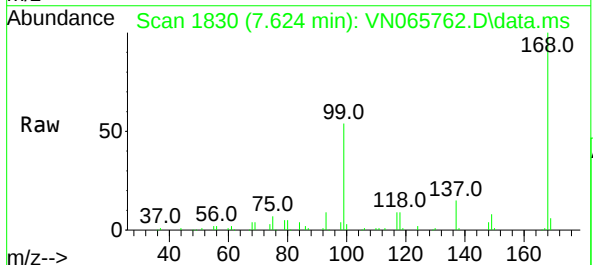


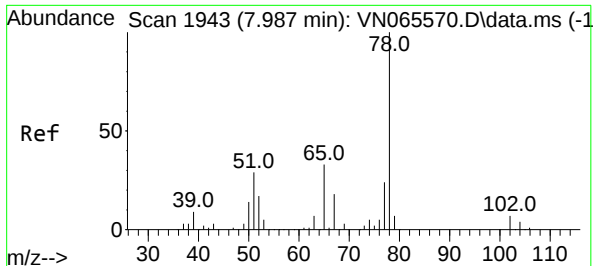
Tgt Ion: 43 Resp: 1639  
Ion Ratio Lower Upper  
43 100  
72 0.0 23.1 34.7#



#31  
Cyclohexane  
Concen: 0.71 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. 0.013 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 56 Resp: 3185  
Ion Ratio Lower Upper  
56 100  
69 154.8 26.6 39.8#  
84 154.8 70.4 105.6#

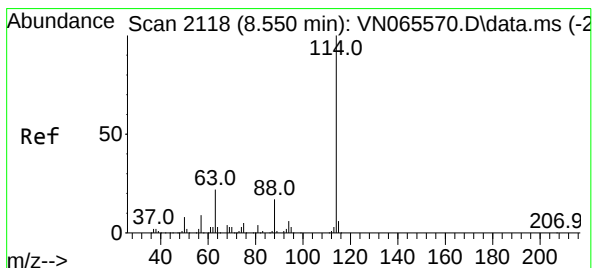
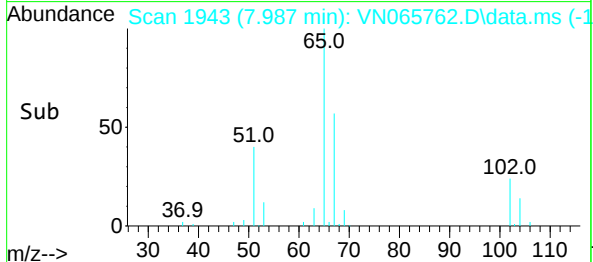
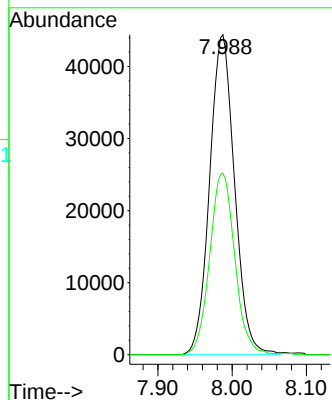
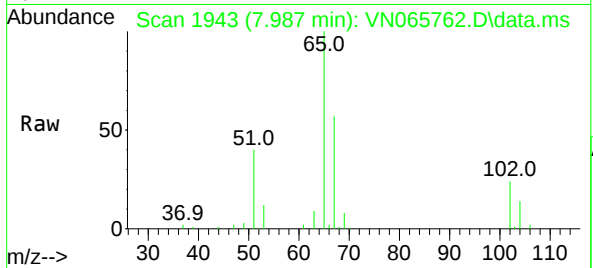




#33  
1,2-Dichloroethane-d4  
Concen: 43.59 ug/l  
RT: 7.987 min Scan# 1943  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

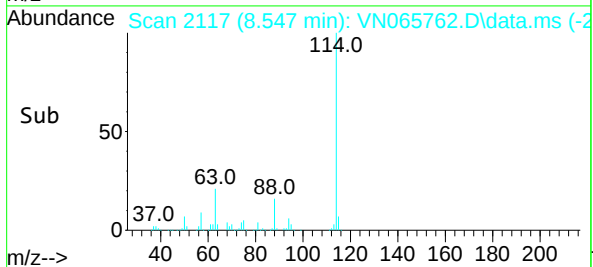
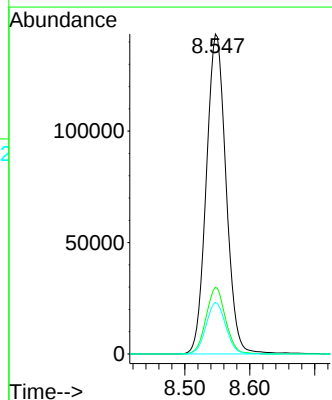
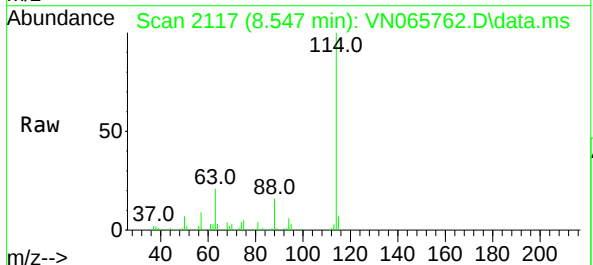
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

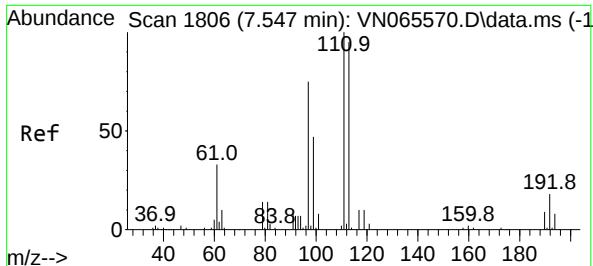
Tgt Ion: 65 Resp: 103555  
Ion Ratio Lower Upper  
65 100  
67 57.2 0.0 107.2



#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.547 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 114 Resp: 302726  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 38.6  
88 16.1 0.0 30.6

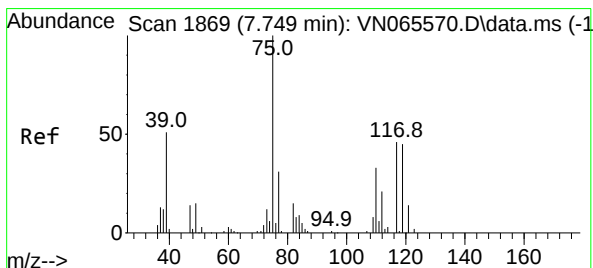
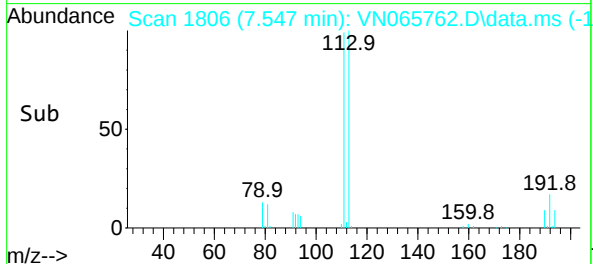
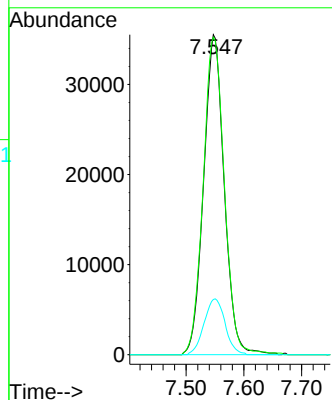
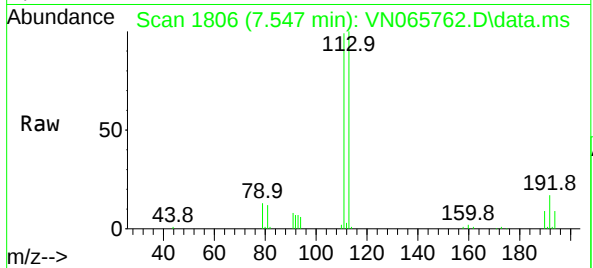




#35  
Dibromofluoromethane  
Concen: 49.01 ug/l  
RT: 7.547 min Scan# 1806  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

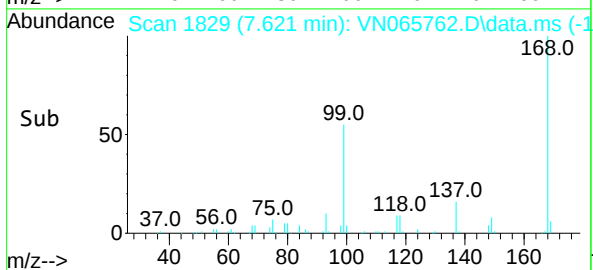
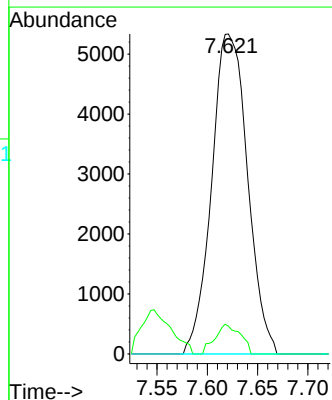
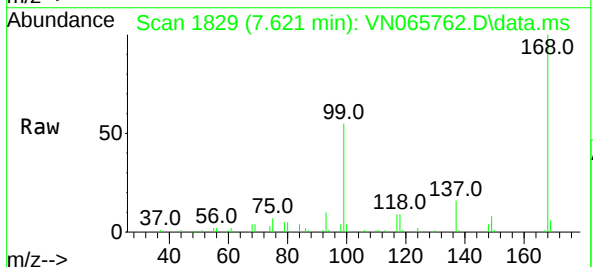
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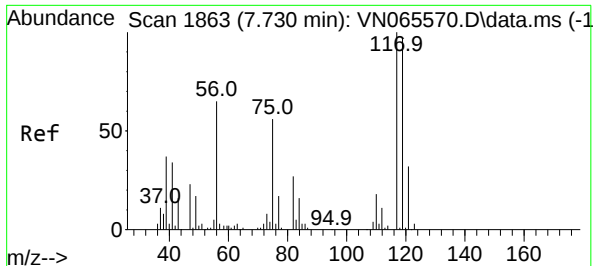
Tgt Ion:113 Resp: 87922  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.2 123.2  
192 17.9 15.4 23.0



#36  
1,1-Dichloropropene  
Concen: 4.34 ug/l  
RT: 7.621 min Scan# 1829  
Delta R.T. -0.128 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

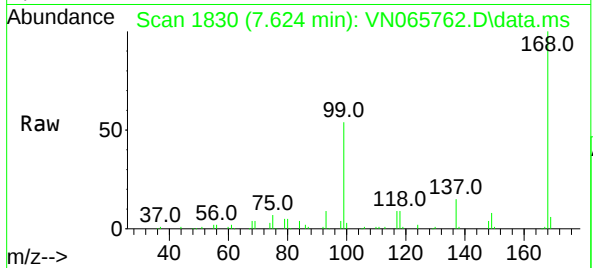
Tgt Ion: 75 Resp: 13229  
Ion Ratio Lower Upper  
75 100  
110 6.5 18.2 54.6#  
77 0.0 24.9 37.3#



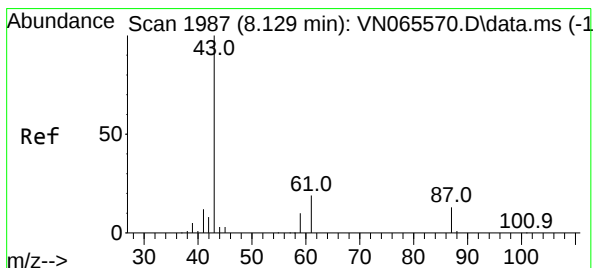
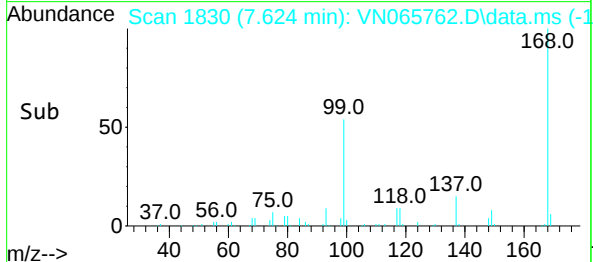
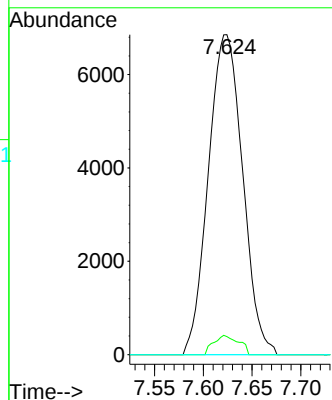


#38  
Carbon Tetrachloride  
Concen: 6.69 ug/l  
RT: 7.624 min Scan# 1830  
Delta R.T. -0.106 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Instrument :  
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ClientSampleId :  
PB134480ZHE#01

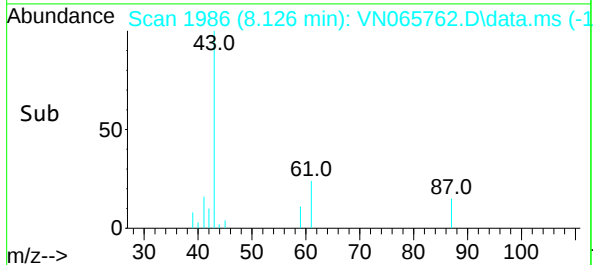
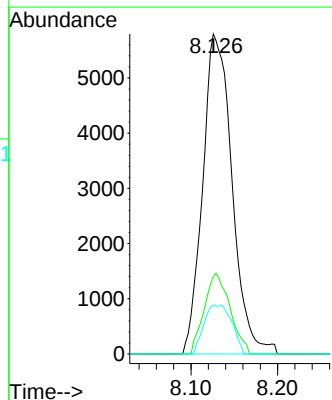
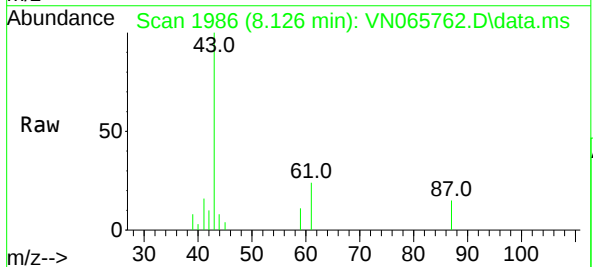


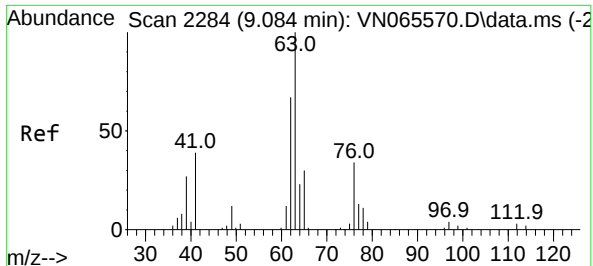
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Ion Ratio Lower Upper  
117 100  
119 5.7 76.0 114.0#  
121 0.0 24.5 36.7#



#43  
Isopropyl Acetate  
Concen: 2.63 ug/l  
RT: 8.126 min Scan# 1986  
Delta R.T. -0.003 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 43 Resp: 13651  
Ion Ratio Lower Upper  
43 100  
61 22.1 22.5 33.7#  
87 14.4 11.1 16.7



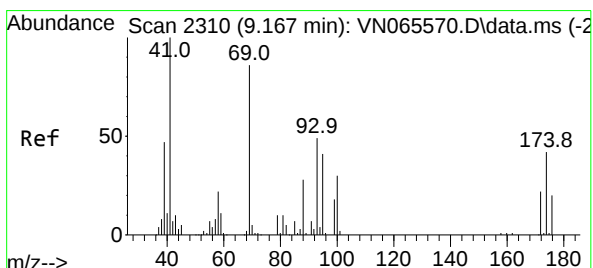
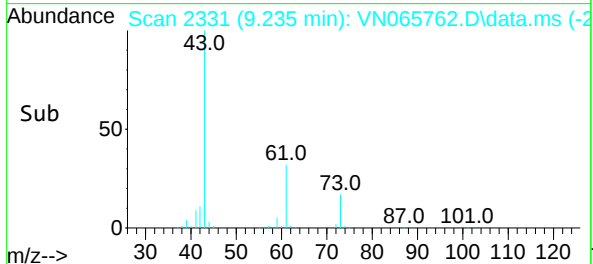
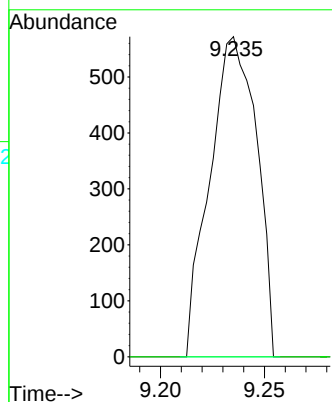
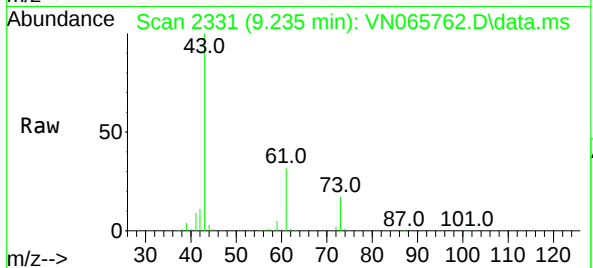


#45

1,2-Dichloropropane  
Concen: 0.35 ug/l  
RT: 9.235 min Scan# 2331  
Delta R.T. 0.151 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

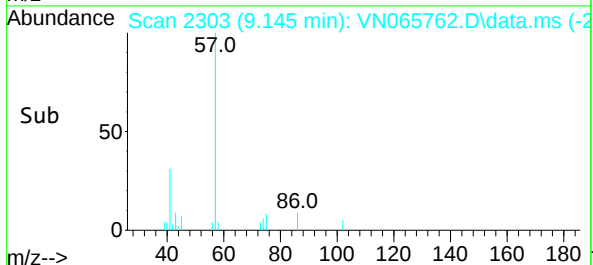
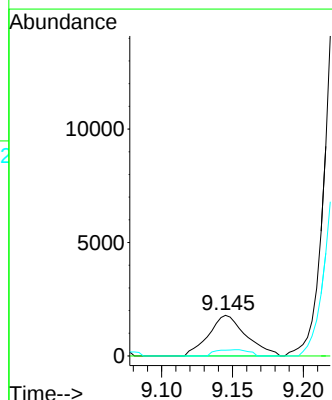
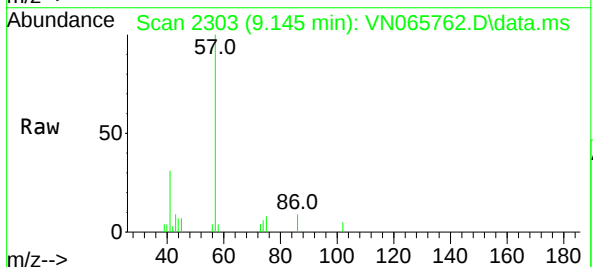
Tgt Ion: 63 Resp: 896  
Ion Ratio Lower Upper  
63 100  
65 0.0 24.9 37.3#

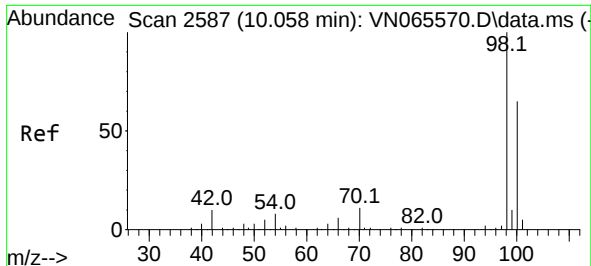


#48

Methyl methacrylate  
Concen: 1.34 ug/l  
RT: 9.145 min Scan# 2303  
Delta R.T. -0.022 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 41 Resp: 3291  
Ion Ratio Lower Upper  
41 100  
69 0.0 75.9 113.9#  
39 0.0 46.6 69.8#

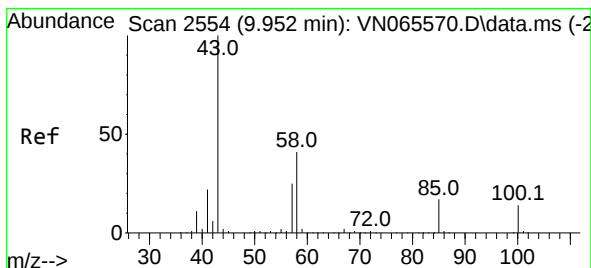
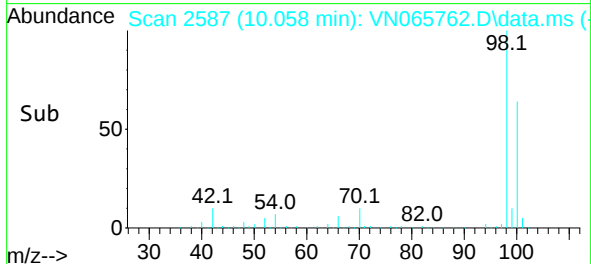
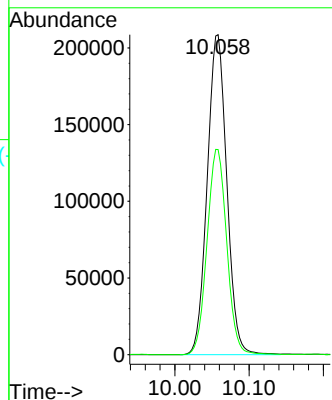
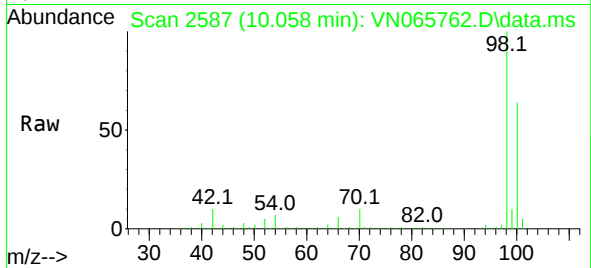




#50  
Toluene-d8  
Concen: 54.17 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

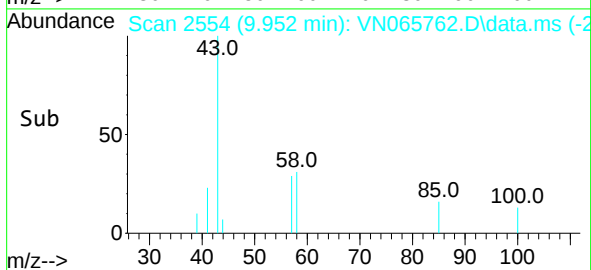
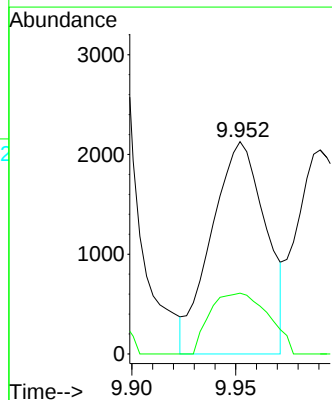
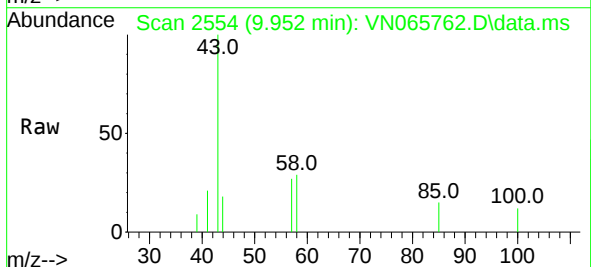
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

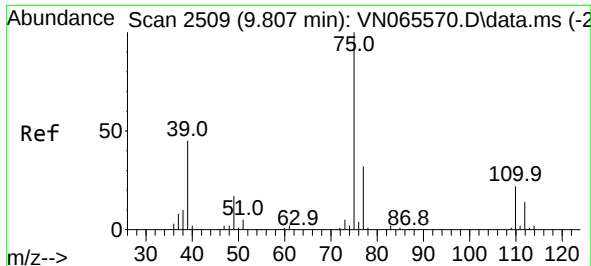
Tgt Ion: 98 Resp: 382015  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.5 75.7



#51  
4-Methyl-2-Pentanone  
Concen: 1.35 ug/l  
RT: 9.952 min Scan# 2554  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 43 Resp: 3861  
Ion Ratio Lower Upper  
43 100  
58 30.9 32.5 48.7#

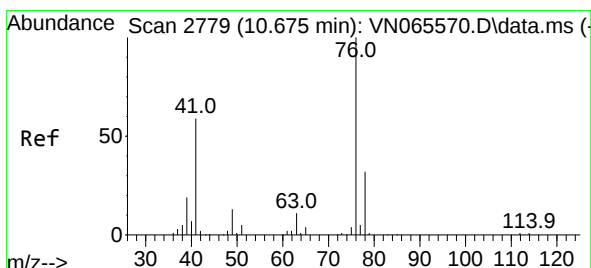
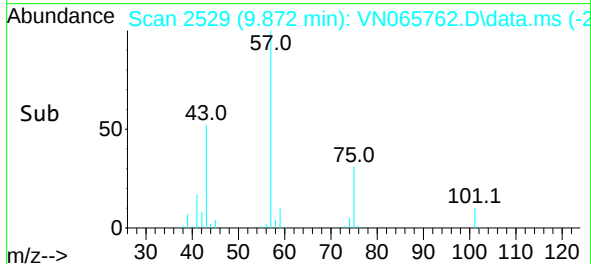
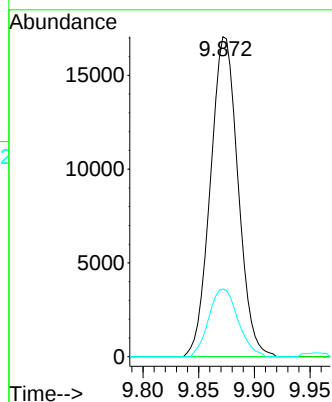
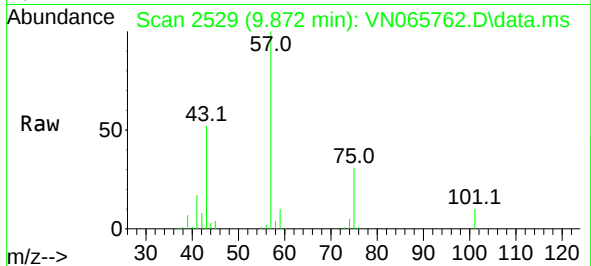




#54  
cis-1,3-Dichloropropene  
Concen: 7.48 ug/l  
RT: 9.872 min Scan# 2529  
Delta R.T. 0.065 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

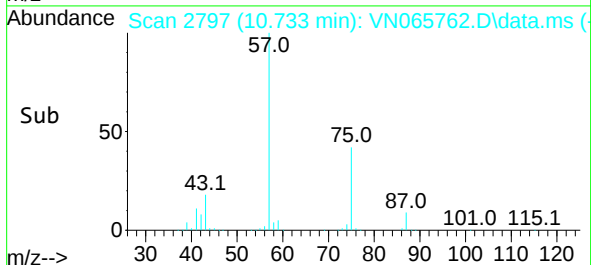
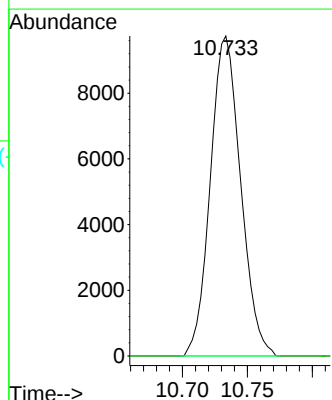
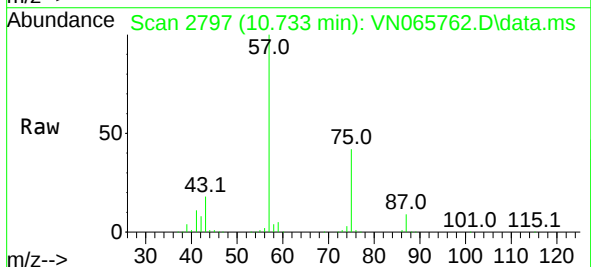
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

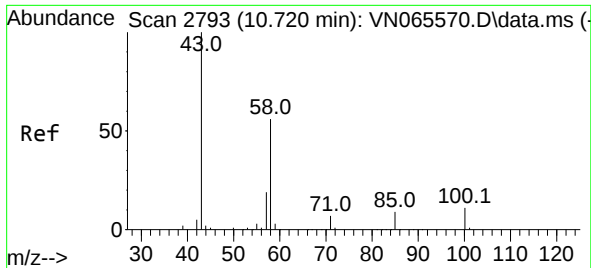
Tgt Ion: 75 Resp: 29422  
Ion Ratio Lower Upper  
75 100  
77 0.0 24.9 37.3#  
39 21.2 36.2 54.4#



#57  
1,3-Dichloropropane  
Concen: 4.27 ug/l  
RT: 10.733 min Scan# 2797  
Delta R.T. 0.058 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 76 Resp: 15789  
Ion Ratio Lower Upper  
76 100  
78 0.0 25.7 38.5#

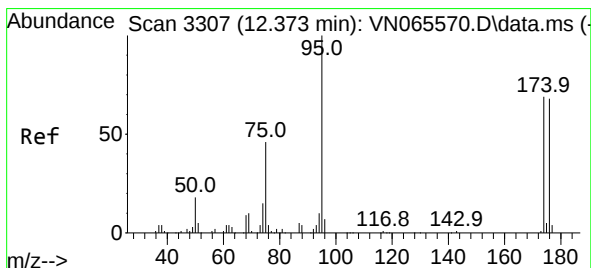
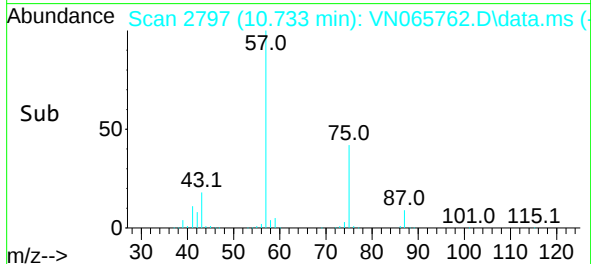
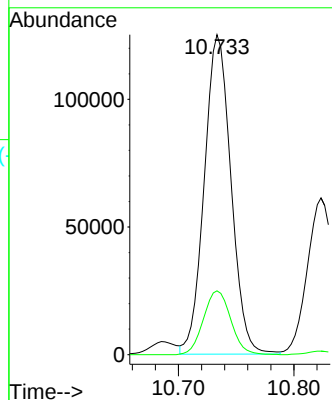
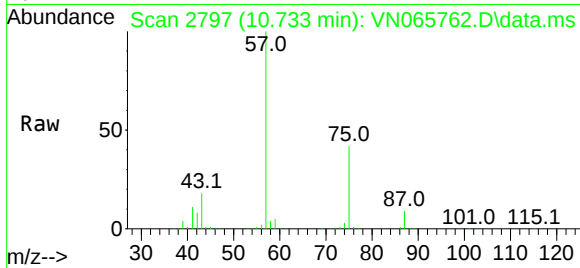




#59  
2-Hexanone  
Concen: 101.35 ug/l  
RT: 10.733 min Scan# 2797  
Delta R.T. 0.013 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

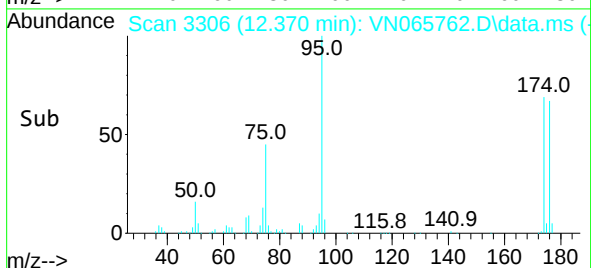
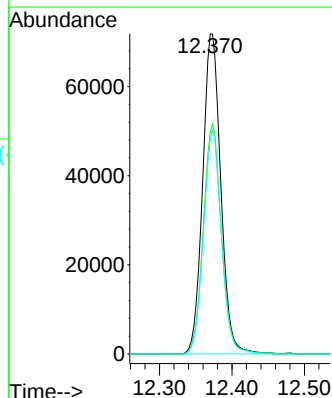
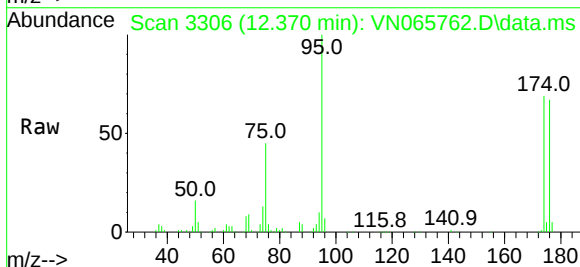
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

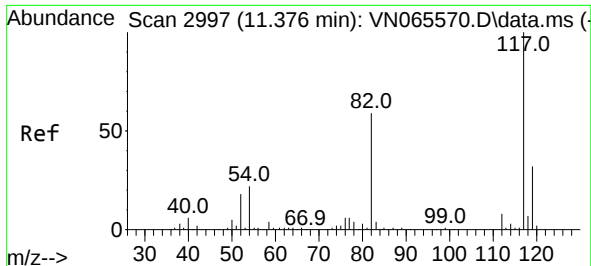
Tgt Ion: 43 Resp: 201015  
Ion Ratio Lower Upper  
43 100  
58 20.5 28.1 84.3#



#62  
4-Bromofluorobenzene  
Concen: 49.13 ug/l  
RT: 12.370 min Scan# 3306  
Delta R.T. -0.003 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 95 Resp: 124748  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 169.0  
176 69.1 0.0 162.4

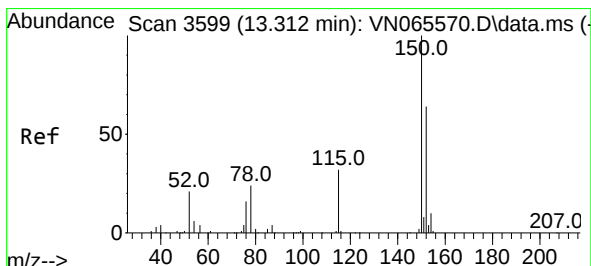
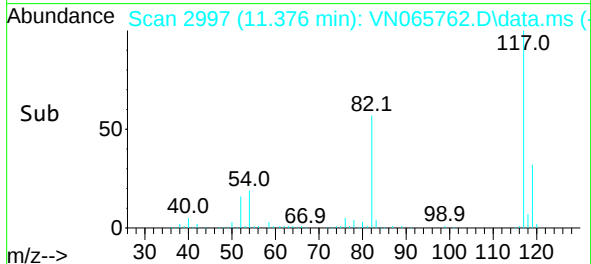
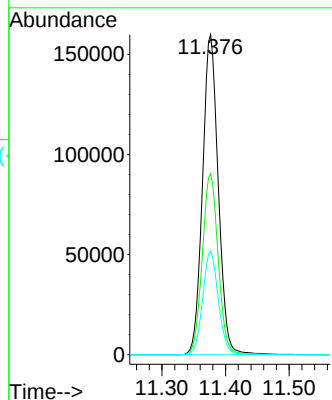
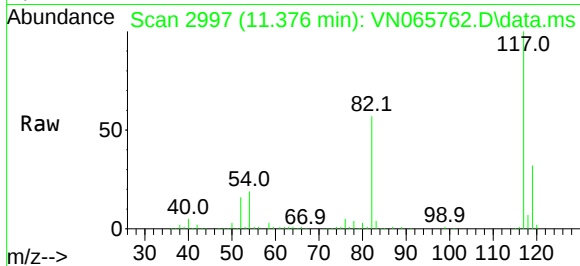




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.376 min Scan# 2997  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

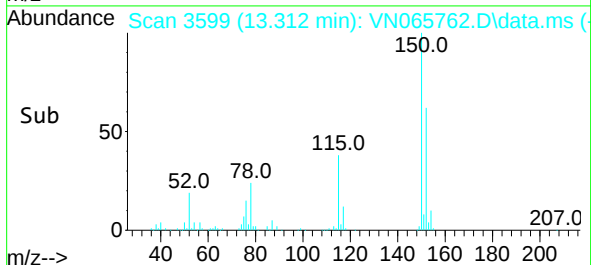
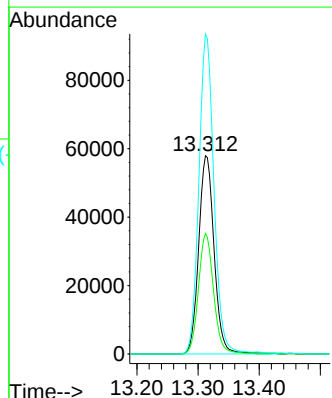
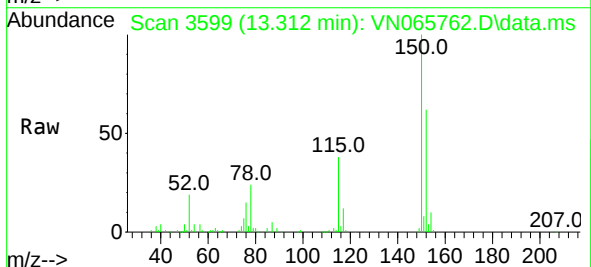
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

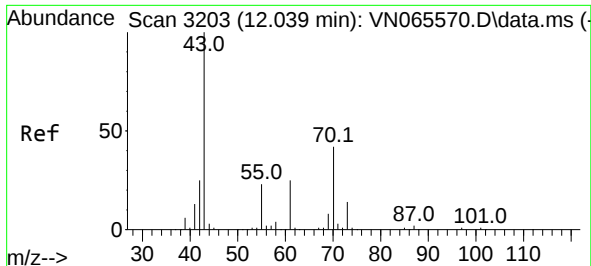
Tgt Ion:117 Resp: 274393  
Ion Ratio Lower Upper  
117 100  
82 56.5 43.7 65.5  
119 32.3 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.312 min Scan# 3599  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion:152 Resp: 101851  
Ion Ratio Lower Upper  
152 100  
115 59.3 28.5 85.6  
150 156.9 0.0 347.6

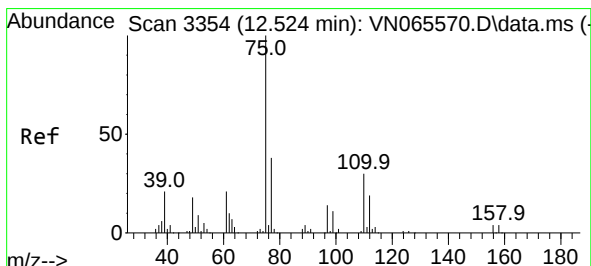
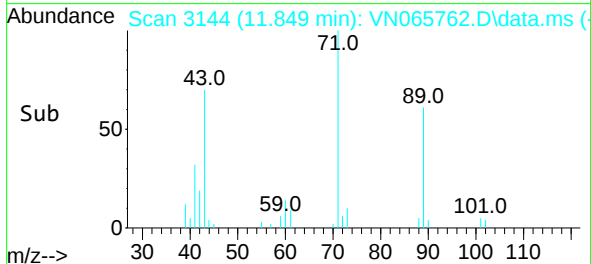
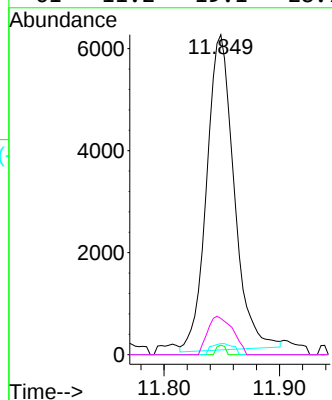
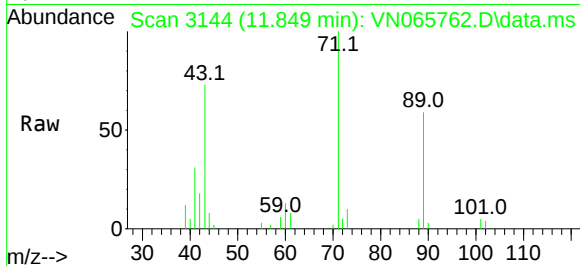




#74  
N-amy1 acetate  
Concen: 2.70 ug/l  
RT: 11.849 min Scan# 3144  
Delta R.T. -0.190 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

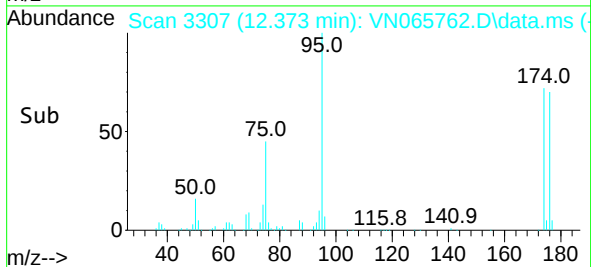
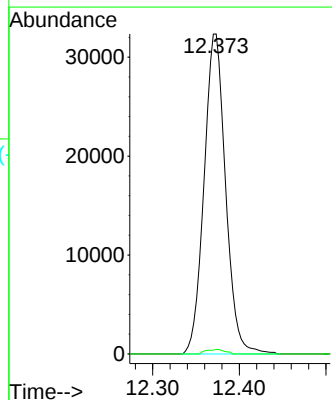
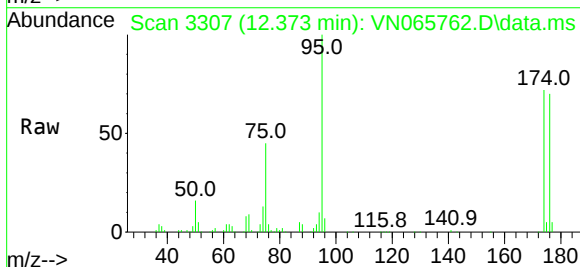
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

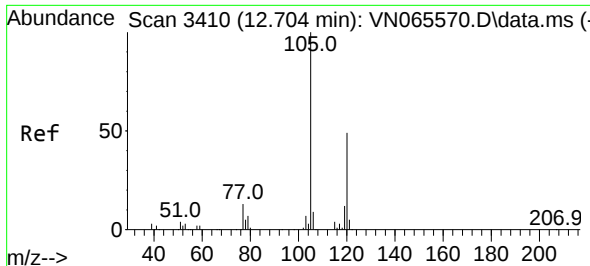
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 10180 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 70 0.9      | 34.4 51.6#  |
| 55 2.8      | 20.7 31.1#  |
| 61 11.2     | 19.1 28.7#  |



#76  
1,2,3-Trichloropropane  
Concen: 20.97 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. -0.151 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 55859 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 1.2      | 0.0 0.0#    |

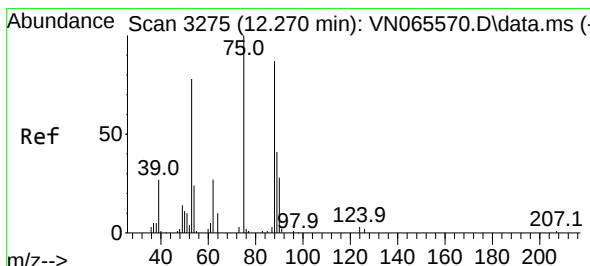
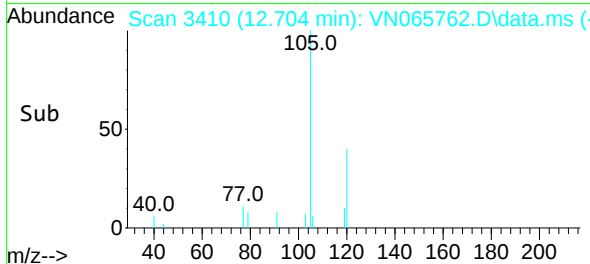
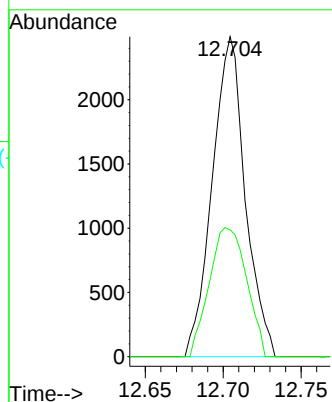
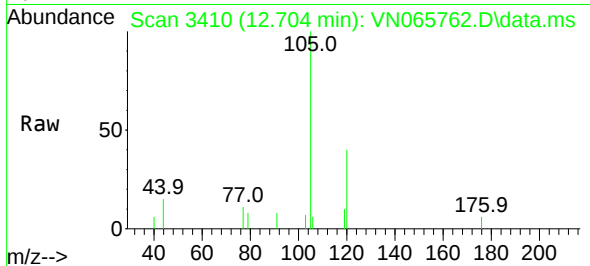




#80  
1,3,5-Trimethylbenzene  
Concen: 0.48 ug/l  
RT: 12.704 min Scan# 3410  
Delta R.T. 0.000 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB134480ZHE#01

Tgt Ion:105 Resp: 3664  
Ion Ratio Lower Upper  
105 100  
120 45.7 24.3 72.8



#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.72 ug/l  
RT: 12.373 min Scan# 3307  
Delta R.T. 0.103 min  
Lab File: VN065762.D  
Acq: 8 Feb 2021 18:04

Tgt Ion: 75 Resp: 55859  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.6 111.8#  
89 0.0 35.8 53.8#

