

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010621\  
 Data File : VN065391.D  
 Acq On : 6 Jan 2021 11:02  
 Operator : JC/MD  
 Sample : VN0106WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0106WBL01

Quant Time: Jan 07 01:16:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N122120W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Dec 21 13:17:58 2020  
 Response via : Initial Calibration

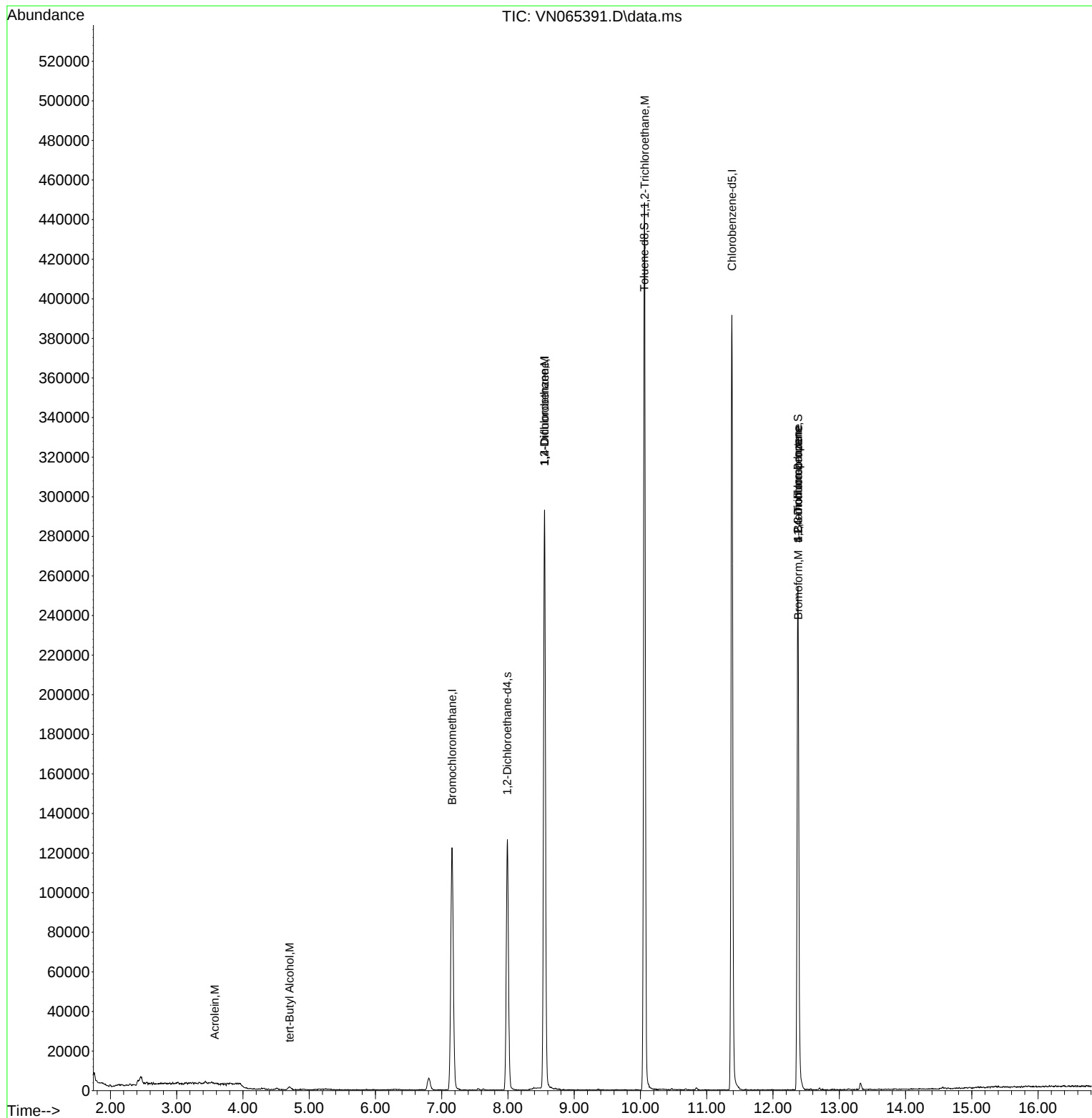
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 7.158  | 128   | 52416    | 30.00    | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 8.553  | 114   | 280601   | 30.00    | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.380 | 117   | 246438   | 30.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 7.991  | 65    | 109072   | 28.68    | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 95.60%   |
| 60) 4-Bromofluorobenzene    | 12.376 | 95    | 95126    | 24.27    | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 80.90%   |
| 63) Toluene-d8              | 10.058 | 98    | 330193   | 30.21    | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 100.70%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 13) Acrolein                | 3.576  | 56    | 136      | 0.34     | ug/l   | 99       |
| 23) tert-Butyl Alcohol      | 4.705  | 59    | 178      | 0.31     | ug/l # | 100      |
| 36) 1,2-Dichloroethane      | 8.550  | 62    | 7982     | 1.76     | ug/l # | 80       |
| 50) 1,1,2-Trichloroethane   | 10.065 | 97    | 11482    | 3.79     | ug/l # | 1        |
| 56) Bromoform               | 12.383 | 173   | 762      | 0.27     | ug/l # | 1        |
| 72) 1,2,3-Trichloropropane  | 12.376 | 75    | 46560    | 11.87    | ug/l   | 1        |
| 77) t-1,4-Dichloro-2-butene | 12.376 | 75    | 46560    | 30.21    | ug/l # | 9        |
| -----                       |        |       |          |          |        |          |

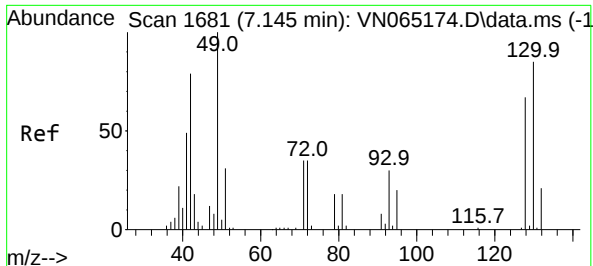
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN010621\  
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Sample : VN0106WBL01  
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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0106WBL01

Quant Time: Jan 07 01:16:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N122120W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Dec 21 13:17:58 2020  
Response via : Initial Calibration

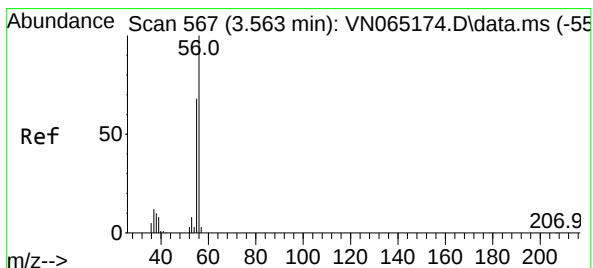
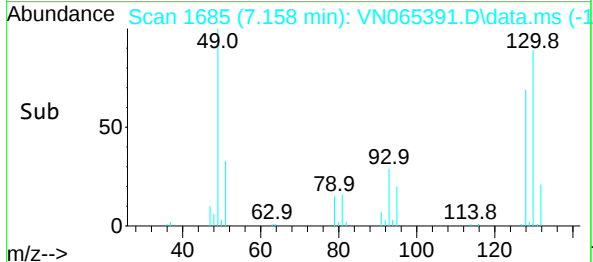
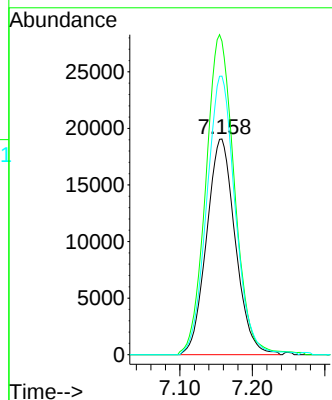
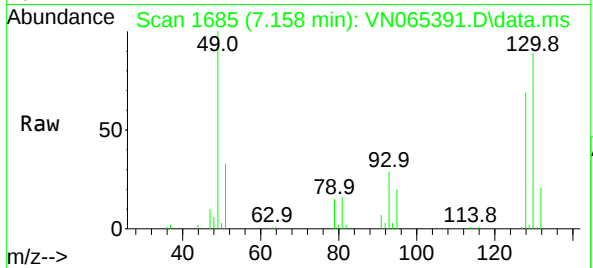




#1  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.158 min Scan# 1685  
Delta R.T. 0.013 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

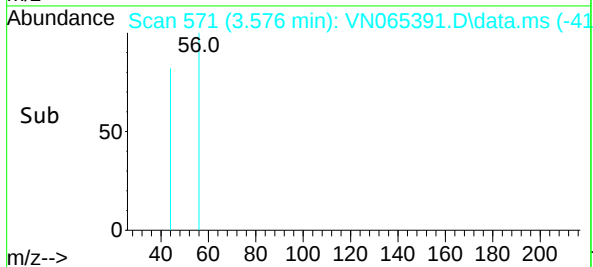
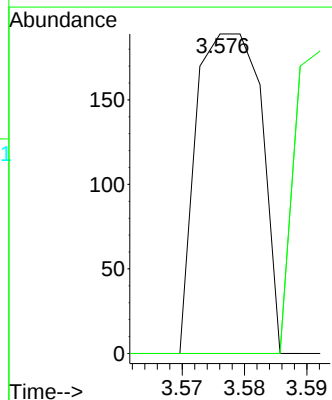
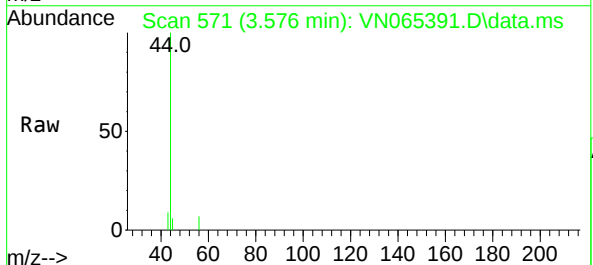
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0106WBL01

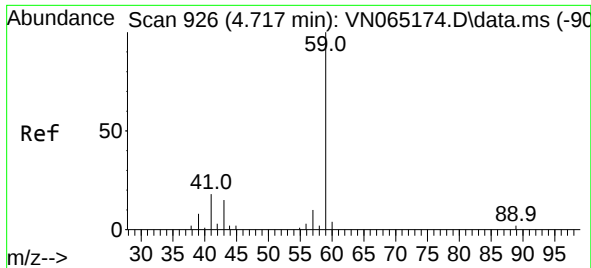
Tgt Ion:128 Resp: 52416  
Ion Ratio Lower Upper  
128 100  
49 147.8 0.0 475.5  
130 128.2 0.0 315.3



#13  
Acrolein  
Concen: 0.34 ug/l  
RT: 3.576 min Scan# 571  
Delta R.T. 0.013 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion: 56 Resp: 136  
Ion Ratio Lower Upper  
56 100  
55 72.1 58.2 87.2

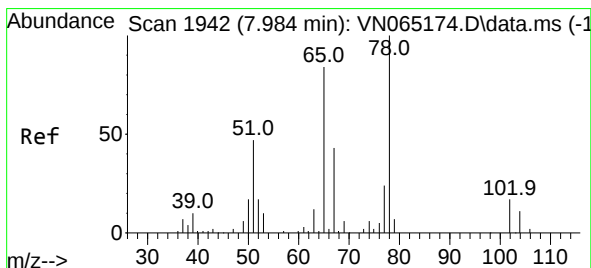
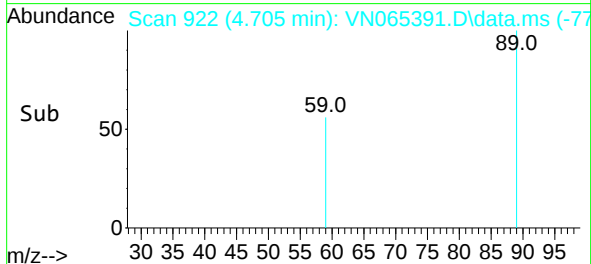
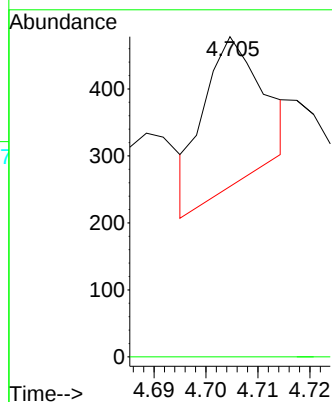
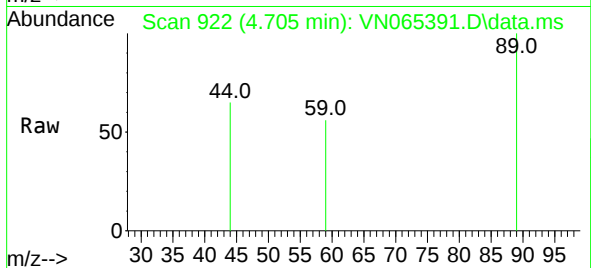




#23  
tert-Butyl Alcohol  
Concen: 0.31 ug/l  
RT: 4.705 min Scan# 922  
Delta R.T. -0.013 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

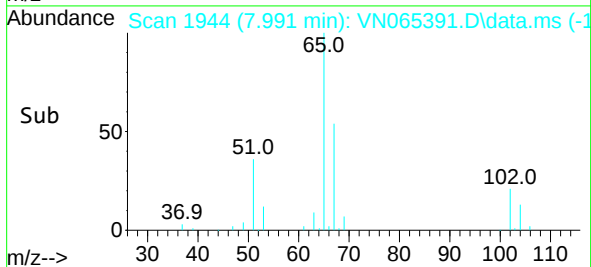
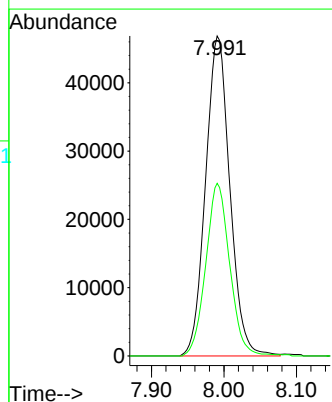
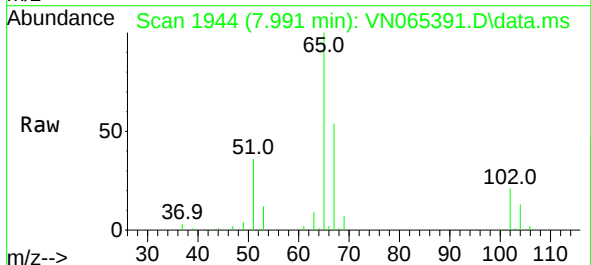
Instrument :  
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ClientSampleId :  
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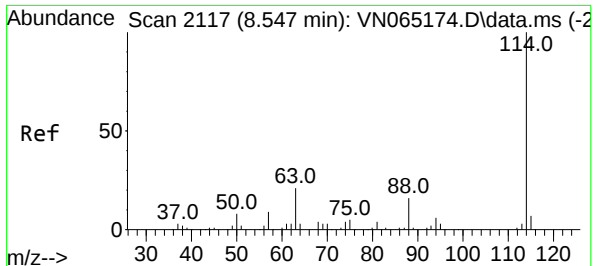
Tgt Ion: 59 Resp: 178  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0



#27  
1,2-Dichloroethane-d4  
Concen: 28.68 ug/l  
RT: 7.991 min Scan# 1944  
Delta R.T. 0.006 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion: 65 Resp: 109072  
Ion Ratio Lower Upper  
65 100  
67 52.9 41.1 61.7

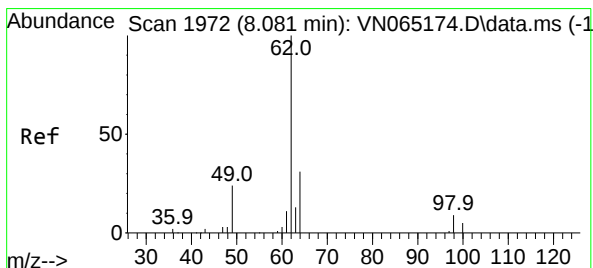
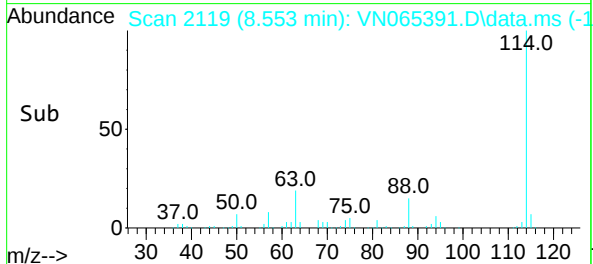
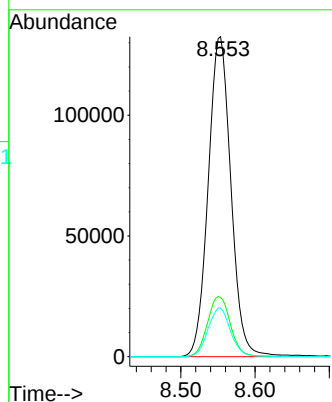
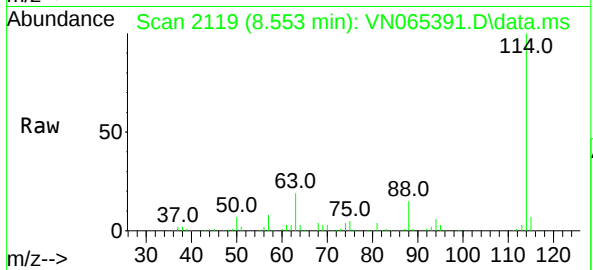




#28  
1,4-Difluorobenzene  
Concen: 30.00 ug/l  
RT: 8.553 min Scan# 2119  
Delta R.T. 0.006 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

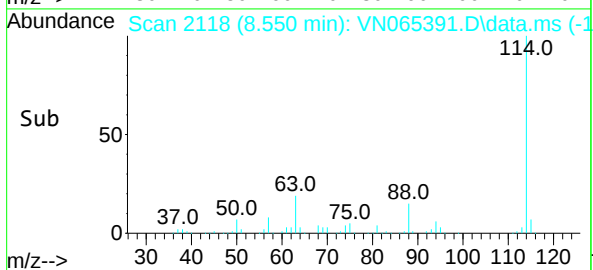
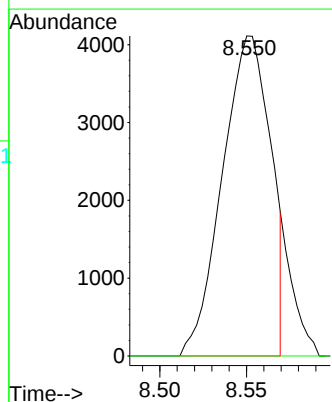
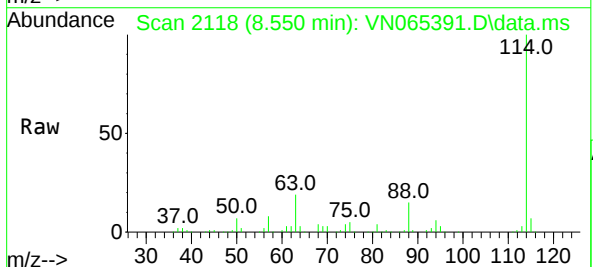
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0106WBL01

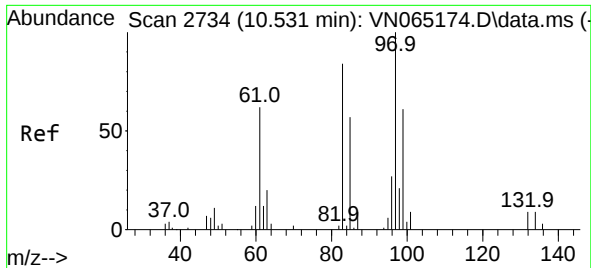
Tgt Ion:114 Resp: 280601  
Ion Ratio Lower Upper  
114 100  
63 19.1 18.5 27.7  
88 15.2 13.0 19.6



#36  
1,2-Dichloroethane  
Concen: 1.76 ug/l  
RT: 8.550 min Scan# 2118  
Delta R.T. 0.469 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion: 62 Resp: 7982  
Ion Ratio Lower Upper  
62 100  
98 0.0 5.5 8.3#

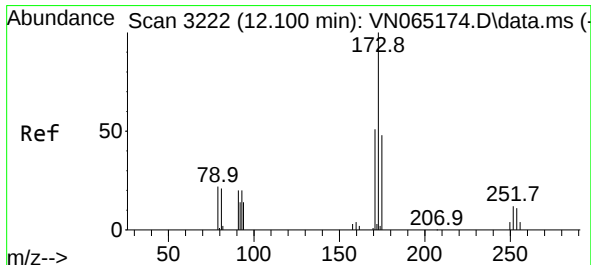
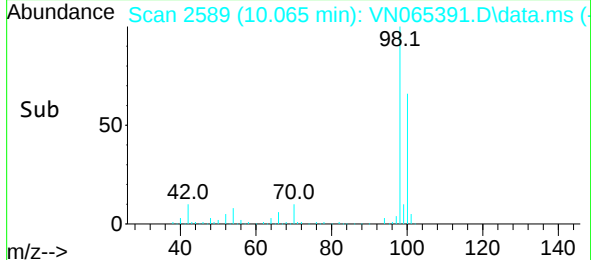
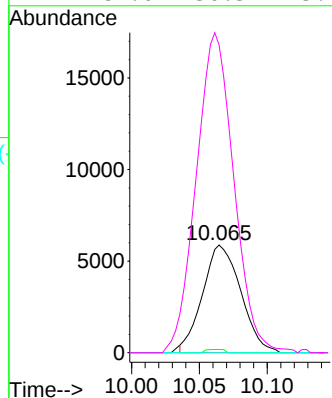
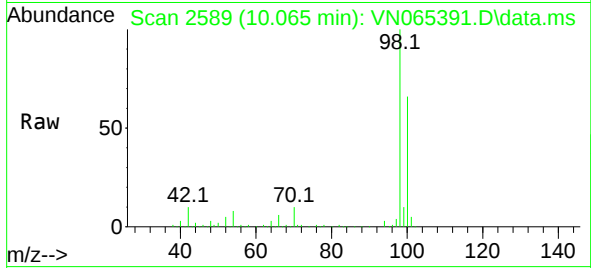




#50  
1,1,2-Trichloroethane  
Concen: 3.79 ug/l  
RT: 10.065 min Scan# 2589  
Delta R.T. -0.466 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

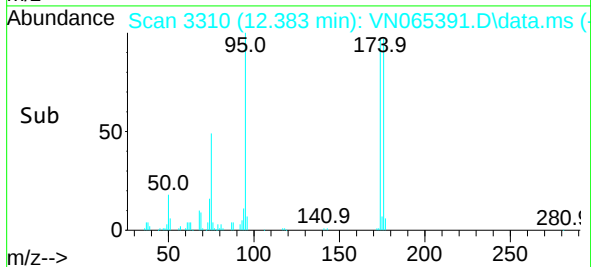
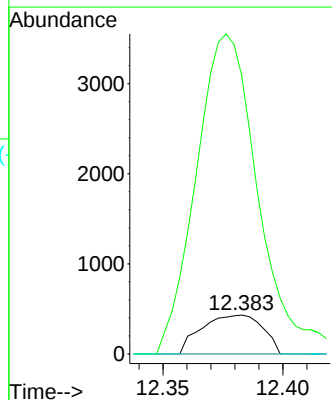
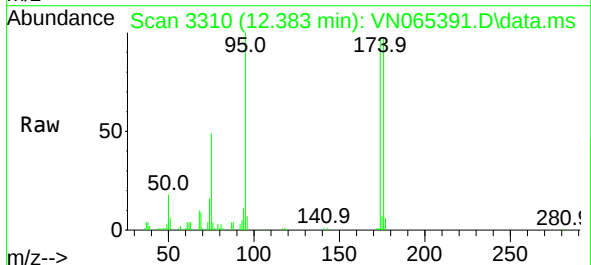
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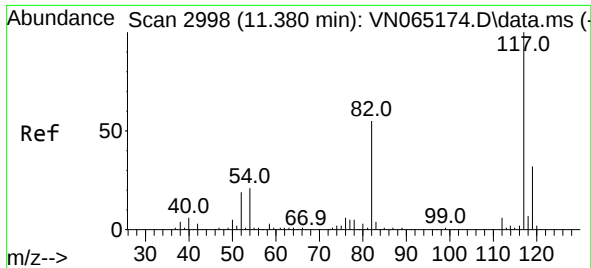
Tgt Ion: 97 Resp: 11482  
Ion Ratio Lower Upper  
97 100  
83 3.0 74.2 111.4#  
85 0.0 44.8 67.2#  
99 282.0 50.5 75.7#



#56  
Bromoform  
Concen: 0.27 ug/l  
RT: 12.383 min Scan# 3310  
Delta R.T. 0.283 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion:173 Resp: 762  
Ion Ratio Lower Upper  
173 100  
175 832.9 37.1 55.7#  
254 0.0 5.4 8.2#

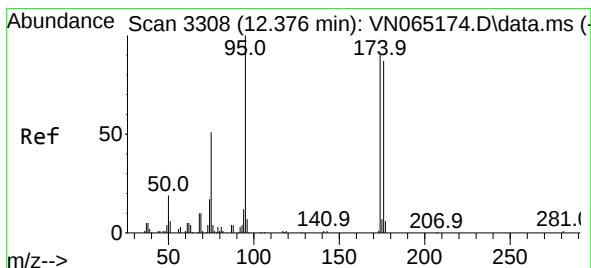
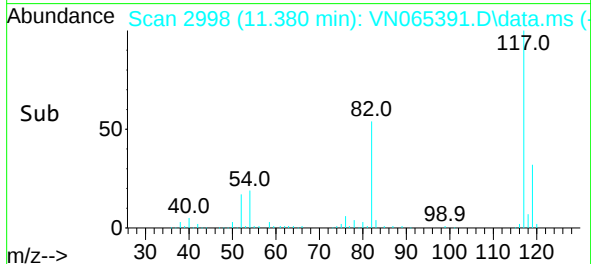
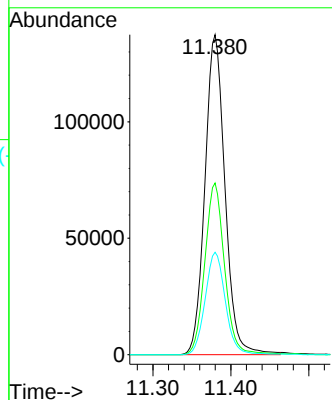
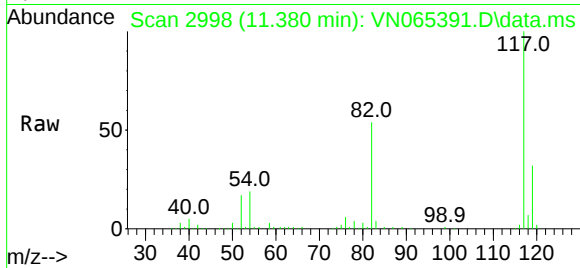




#57  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. 0.000 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

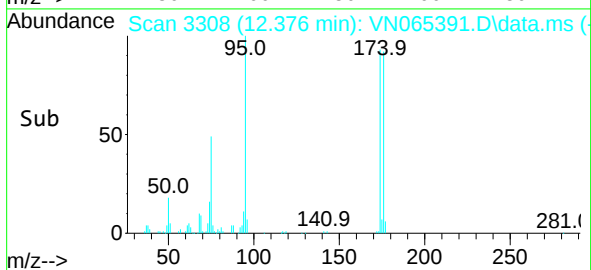
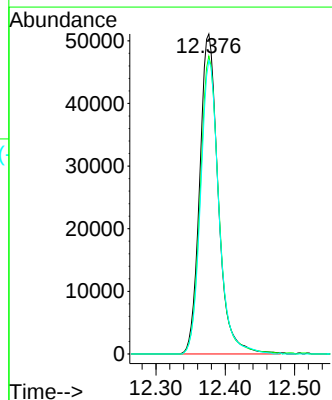
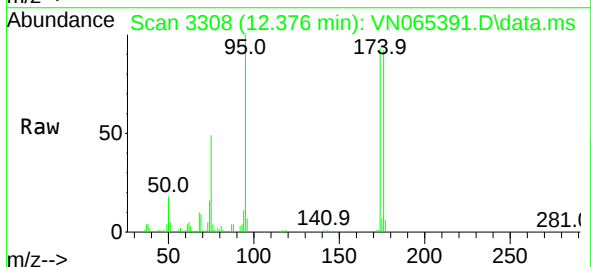
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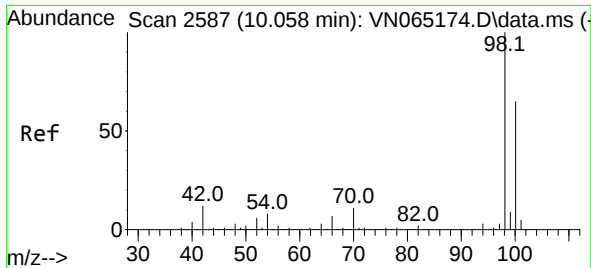
Tgt Ion:117 Resp: 246438  
Ion Ratio Lower Upper  
117 100  
82 52.8 47.8 71.8  
119 32.2 25.7 38.5



#60  
4-Bromofluorobenzene  
Concen: 24.27 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.000 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion: 95 Resp: 95126  
Ion Ratio Lower Upper  
95 100  
174 93.2 56.4 84.6#  
176 90.7 53.3 79.9#

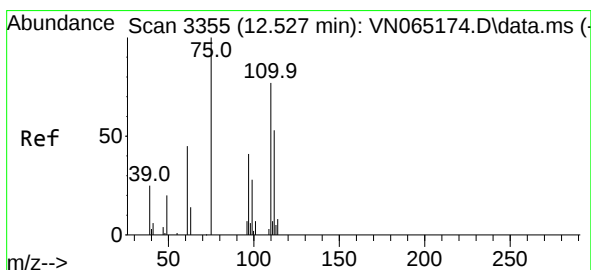
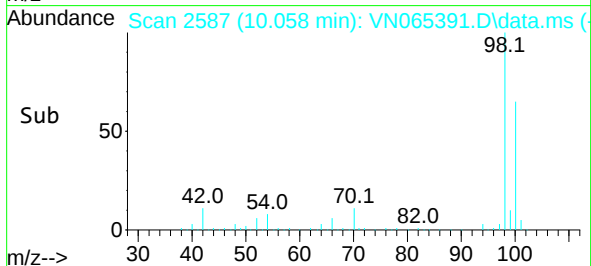
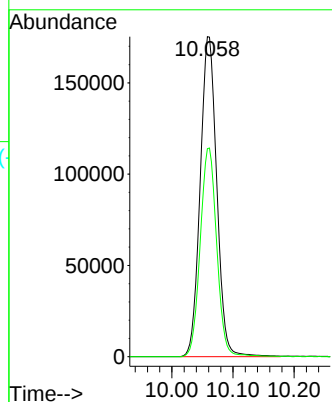
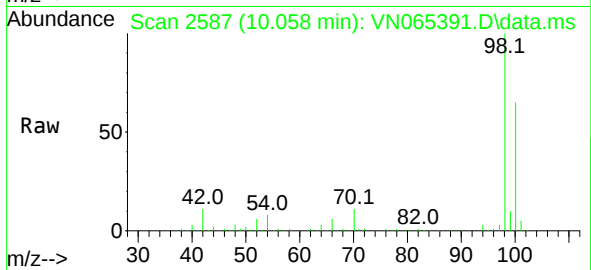




#63  
Toluene-d8  
Concen: 30.21 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. 0.000 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

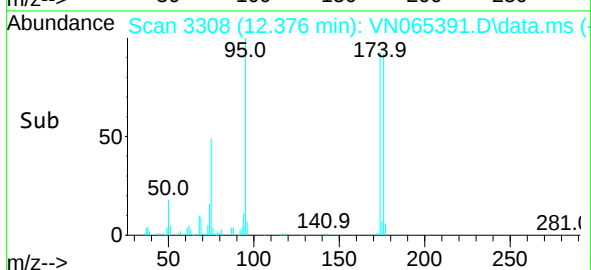
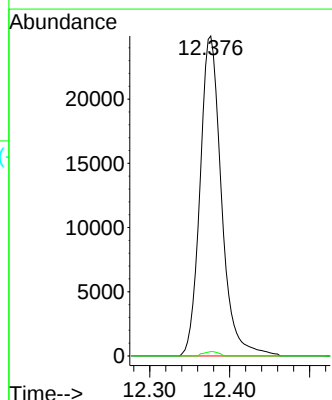
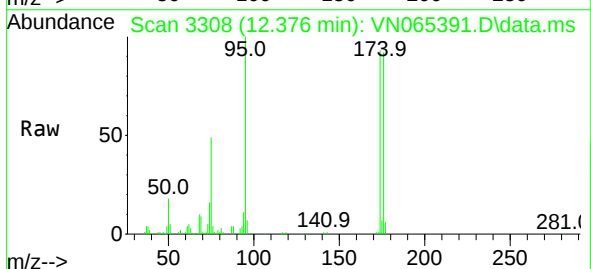
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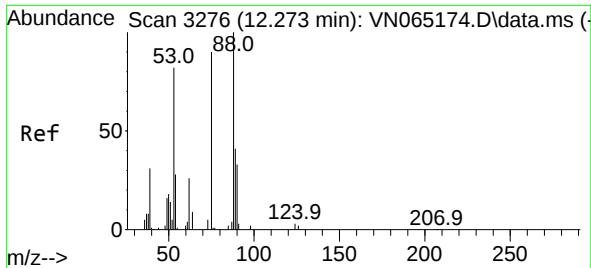
Tgt Ion: 98 Resp: 330193  
Ion Ratio Lower Upper  
98 100  
100 64.3 49.4 74.2



#72  
1,2,3-Trichloropropane  
Concen: 11.87 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.151 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Tgt Ion: 75 Resp: 46560  
Ion Ratio Lower Upper  
75 100  
77 0.9 0.0 379.4





#77  
t-1,4-Dichloro-2-butene  
Concen: 30.21 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. 0.103 min  
Lab File: VN065391.D  
Acq: 6 Jan 2021 11:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0106WBL01

Tgt Ion: 75 Resp: 46560  
Ion Ratio Lower Upper  
75 100  
53 0.0 50.3 150.9#  
89 0.0 23.3 69.8#

