

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122120\  
 Data File : VN065186.D  
 Acq On : 21 Dec 2020 17:30  
 Operator : JC/MD  
 Sample : L5174-01 5X  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-1

Manual Integrations  
 APPROVED

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 12/22/2020 10:19:27 AM

Quant Time: Dec 22 05:38:38 2020  
 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       | 7.151  | 128   | 30539    | 30.00    | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene     | 8.550  | 114   | 169636   | 30.00    | ug/l  | 0.00     |
| 57) Chlorobenzene-d5        | 11.380 | 117   | 146968   | 30.00    | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 27) 1,2-Dichloroethane-d4   | 7.987  | 65    | 68897    | 31.09    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 103.63%  |
| 60) 4-Bromofluorobenzene    | 12.376 | 95    | 60103    | 25.71    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 85.70%   |
| 63) Toluene-d8              | 10.058 | 98    | 199681   | 30.63    | ug/l  | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 102.10%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       | Qvalue   |
| 25) Chloroform              | 7.335  | 83    | 2221m    | 0.67     | ug/l  |          |
| -----                       |        |       |          |          |       |          |

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

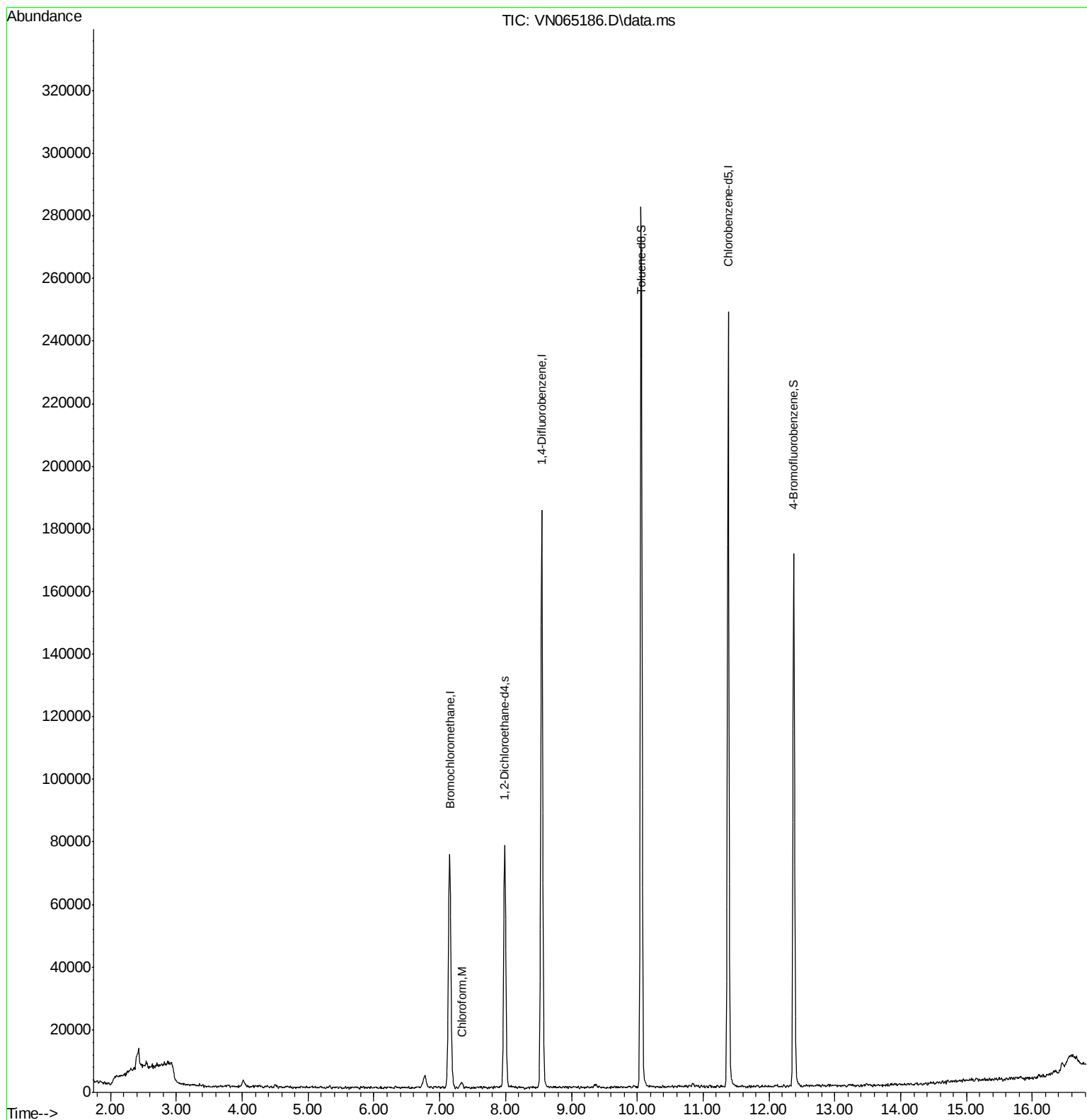
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122120\  
Data File : VN065186.D  
Acq On : 21 Dec 2020 17:30  
Operator : JC/MD  
Sample : L5174-01 5X  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

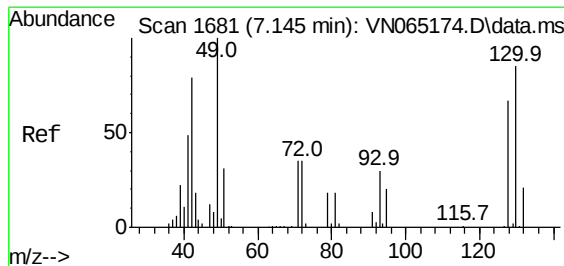
Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-1

Manual Integrations  
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Quant Time: Dec 22 05:38:38 2020  
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





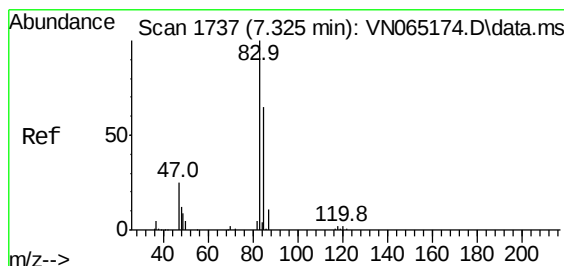
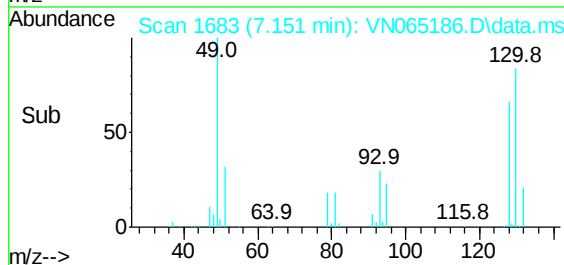
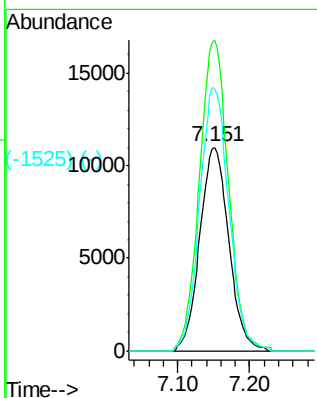
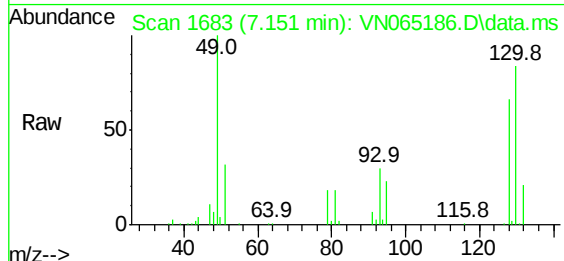
#164 (-)  
Bromochloromethane  
Concen: 30.00 ug/l  
RT: 7.151 min Scan# 1683  
Delta R.T. 0.006 min  
Lab File: VN065186.D  
Acq: 21 Dec 2020 17:30

Tgt Ion: 128 Resp: 30539  
Ion Ratio Lower Upper  
128 100  
49 153.0 0.0 475.5  
130 130.8 0.0 315.3

Instrument :  
MSVOA\_N  
ClientSampled :  
14B-1

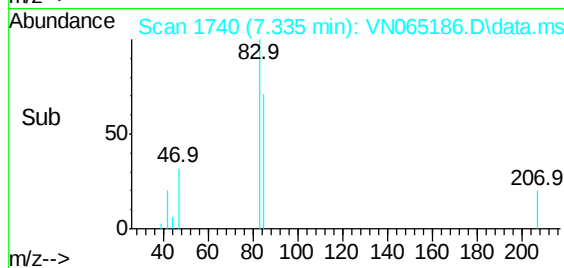
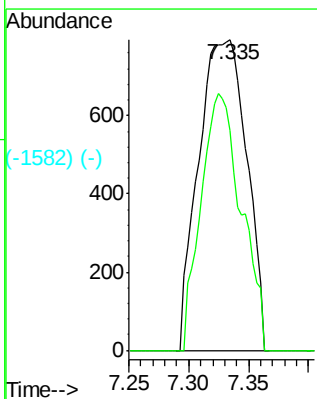
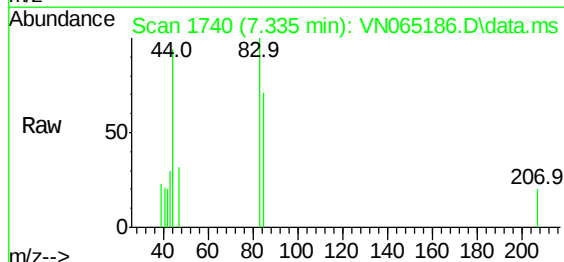
Manual Integrations  
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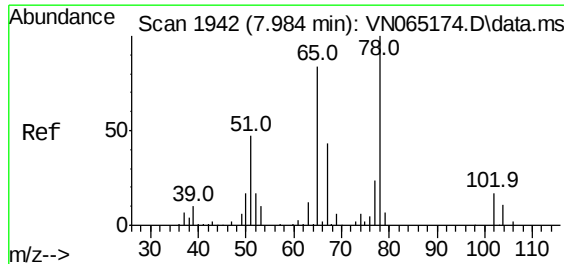
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#259 (-)  
Chloroform  
Concen: 0.67 ug/l m  
RT: 7.335 min Scan# 1740  
Delta R.T. 0.010 min  
Lab File: VN065186.D  
Acq: 21 Dec 2020 17:30

Tgt Ion: 83 Resp: 2221  
Ion Ratio Lower Upper  
83 100  
85 70.9 50.6 75.8





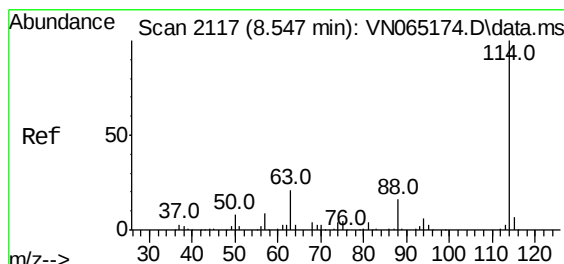
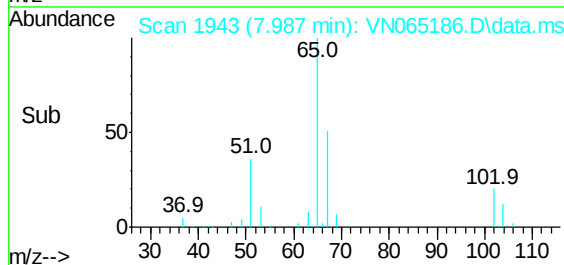
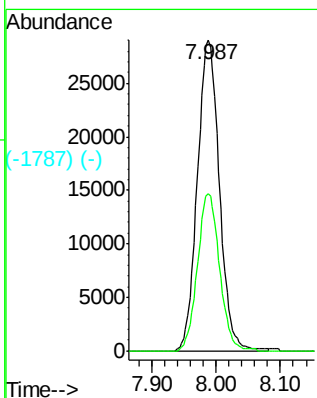
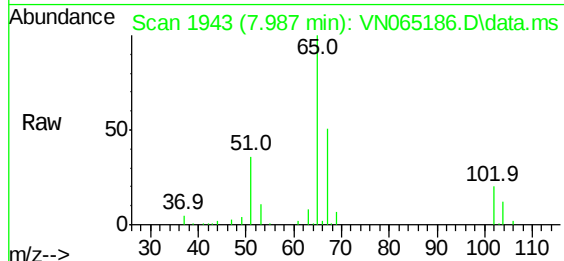
(-1776) (-)  
 1,2-Dichloroethane-d4  
 Concen: 31.09 ug/l  
 RT: 7.987 min Scan# 1943  
 Delta R.T. 0.003 min  
 Lab File: VN065186.D  
 Acq: 21 Dec 2020 17:30

Tgt Ion: 65 Resp: 68897  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 41.1 61.7

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 14B-1

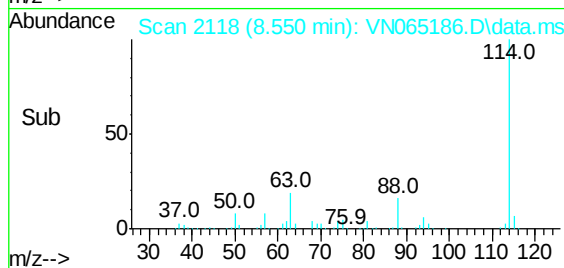
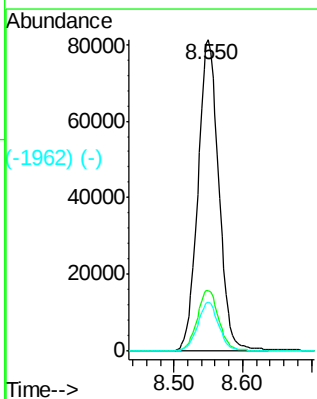
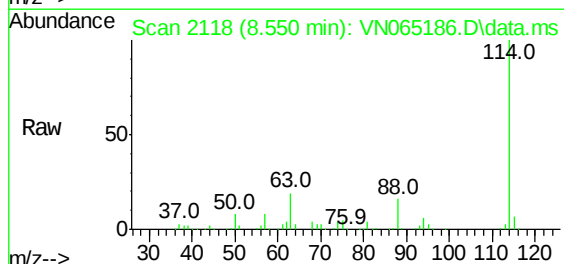
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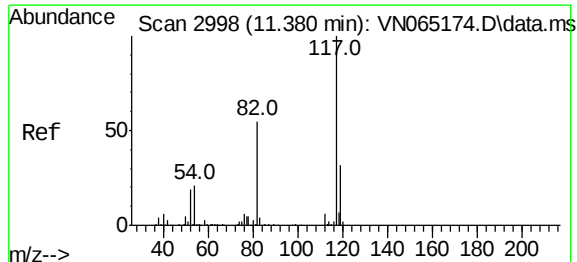
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(-2262) (-)  
 1,4-Difluorobenzene  
 Concen: 30.00 ug/l  
 RT: 8.550 min Scan# 2118  
 Delta R.T. 0.003 min  
 Lab File: VN065186.D  
 Acq: 21 Dec 2020 17:30

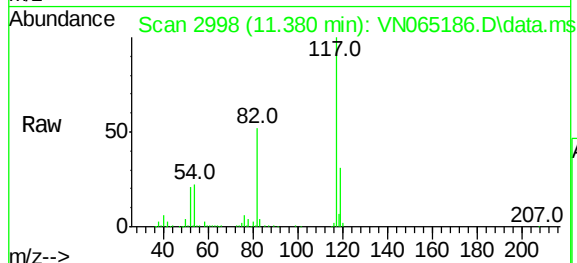
Tgt Ion:114 Resp: 169636  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 18.5 27.7  
 88 15.4 13.0 19.6





#594 (-)  
Chlorobenzene-d5  
Concen: 30.00 ug/l  
RT: 11.380 min Scan# 2998  
Delta R.T. -0.000 min  
Lab File: VN065186.D  
Acq: 21 Dec 2020 17:30

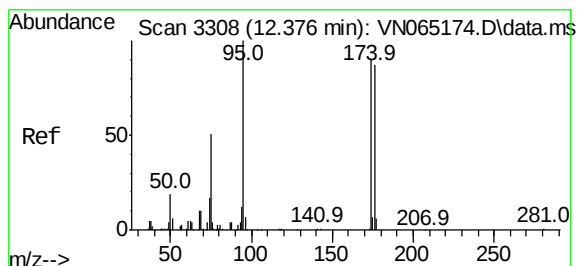
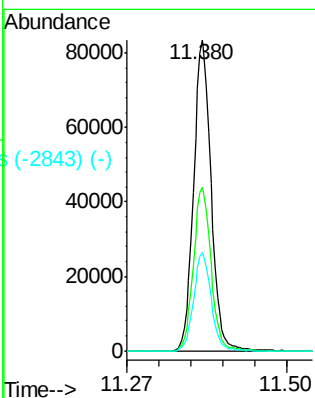
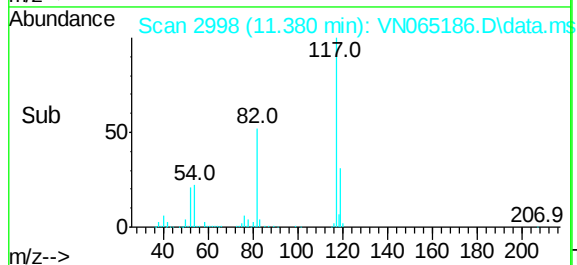
Instrument :  
MSVOA\_N  
ClientSampled :  
14B-1



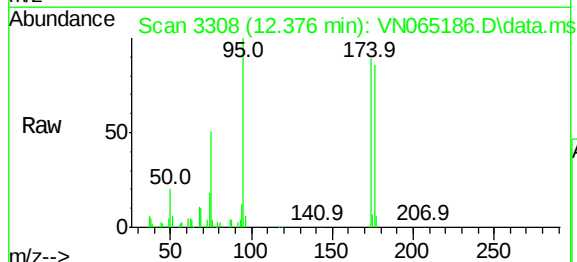
Tgt Ion:117 Resp: 146968  
Ion Ratio Lower Upper  
117 100  
82 53.1 47.8 71.8  
119 31.4 25.7 38.5

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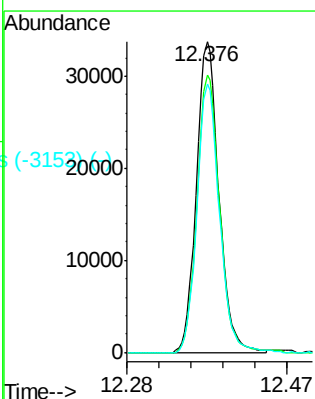
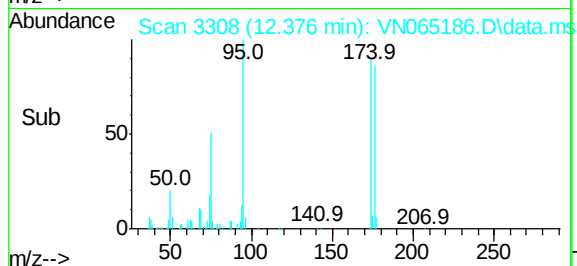
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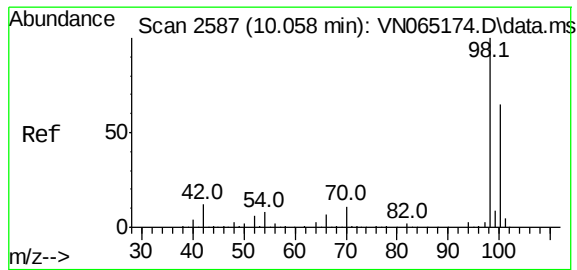


#605 (-)  
4-Bromofluorobenzene  
Concen: 25.71 ug/l  
RT: 12.376 min Scan# 3308  
Delta R.T. -0.000 min  
Lab File: VN065186.D  
Acq: 21 Dec 2020 17:30



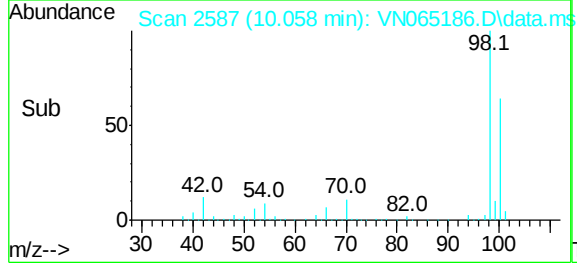
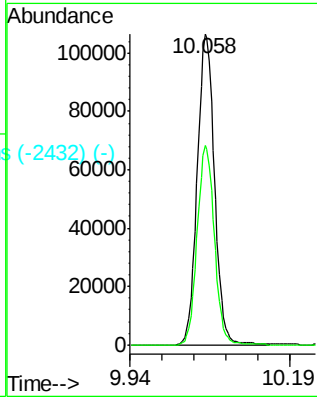
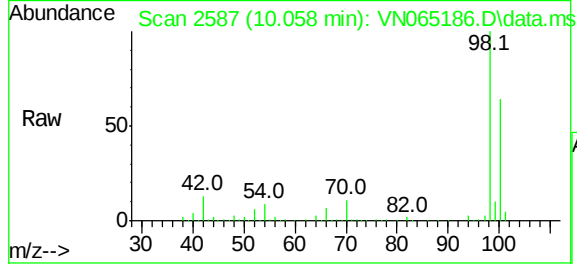
Tgt Ion: 95 Resp: 60103  
Ion Ratio Lower Upper  
95 100  
174 90.1 56.4 84.6#  
176 86.3 53.3 79.9#





#6972 (-)  
Toluene-d8  
Concen: 30.63 ug/l  
RT: 10.058 min Scan# 2587  
Delta R.T. -0.000 min  
Lab File: VN065186.D  
Acq: 21 Dec 2020 17:30

Tgt Ion: 98 Resp: 199681  
Ion Ratio Lower Upper  
98 100  
100 64.0 49.4 74.2



Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-1

Manual Integrations  
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