

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091321\  
 Data File : VN068461.D  
 Acq On : 13 Sep 2021 16:48  
 Operator : JC/MD  
 Sample : VN0913WBL01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0913WBL01

Quant Time: Sep 14 04:27:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N091321W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Tue Sep 14 04:23:31 2021  
 Response via : Initial Calibration

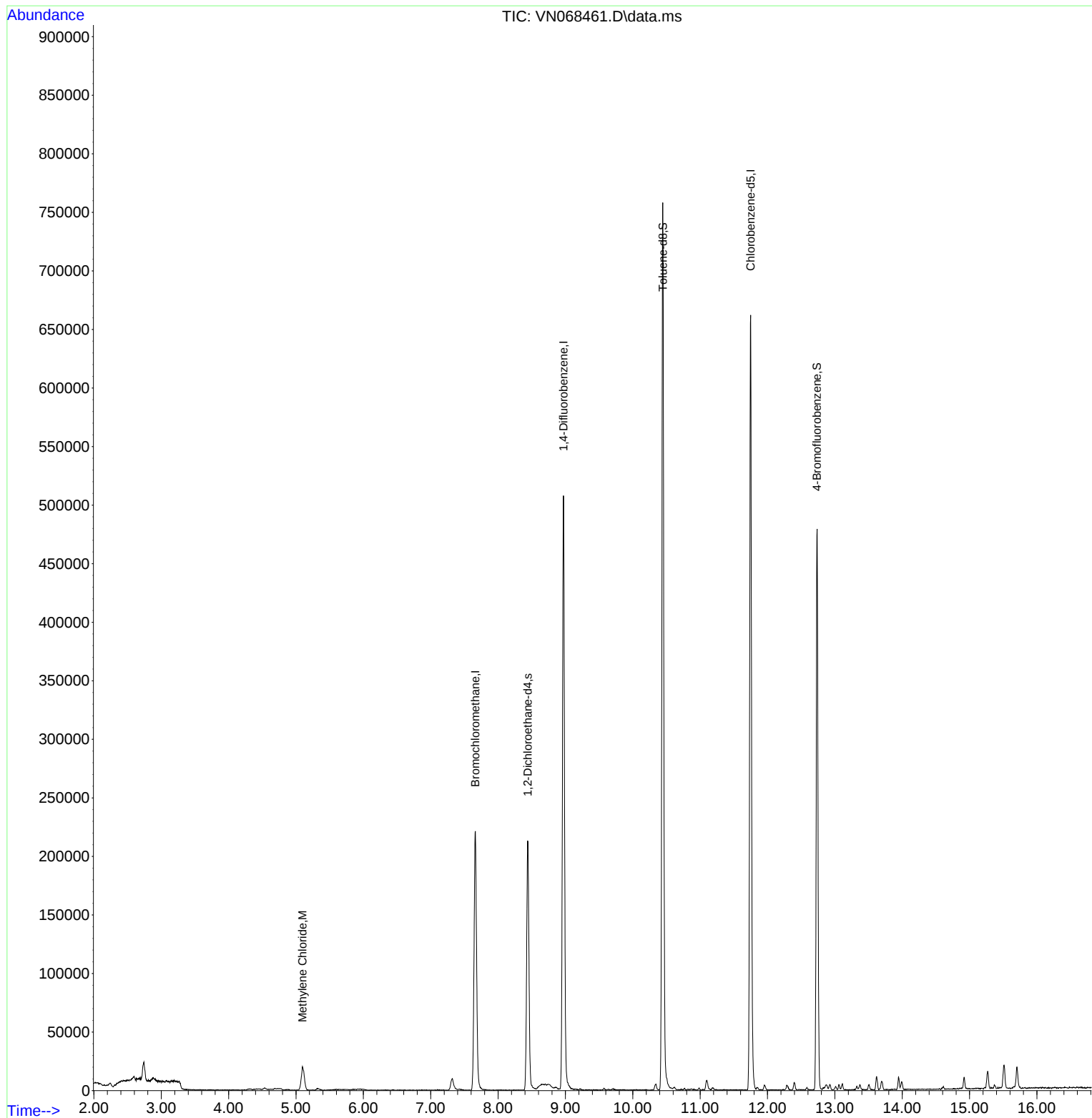
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Bromochloromethane       | 7.662  | 128   | 96618    | 30.000   | ug/l  | 0.00      |
| 28) 1,4-Difluorobenzene     | 8.971  | 114   | 503897   | 30.000   | ug/l  | 0.00      |
| 57) Chlorobenzene-d5        | 11.749 | 117   | 436432   | 30.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 27) 1,2-Dichloroethane-d4   | 8.440  | 65    | 182951   | 32.063   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 106.867%  |
| 60) 4-Bromofluorobenzene    | 12.734 | 95    | 163439   | 26.274   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 87.567%   |
| 63) Toluene-d8              | 10.446 | 98    | 583858   | 30.752   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 102.500%  |
| Target Compounds            |        |       |          |          |       |           |
| 18) Methylene Chloride      | 5.095  | 84    | 17324    | 3.287    | ug/l  | Qvalue 94 |
| -----                       |        |       |          |          |       |           |

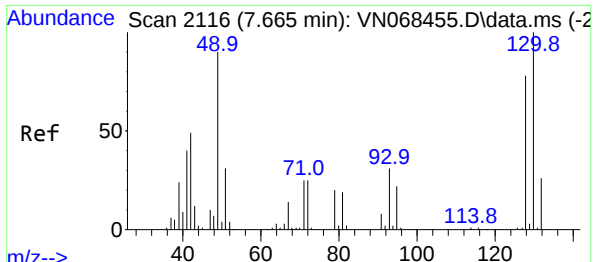
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBL01

Quant Time: Sep 14 04:27:35 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N091321W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Tue Sep 14 04:23:31 2021  
Response via : Initial Calibration

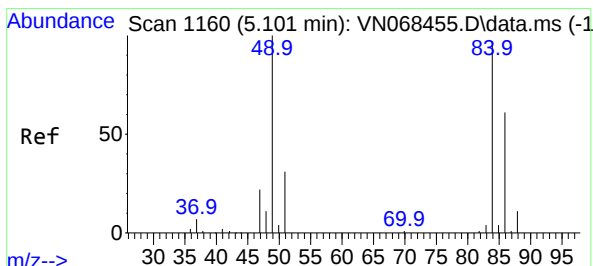
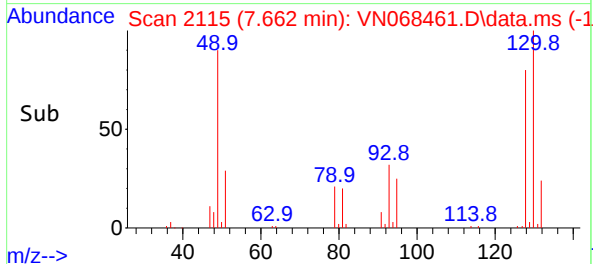
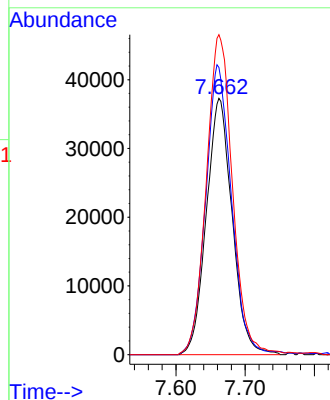
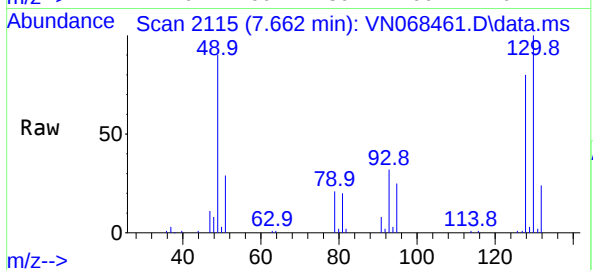




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.662 min Scan# 2116  
Delta R.T. -0.003 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

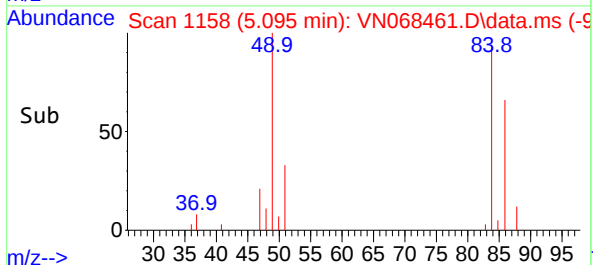
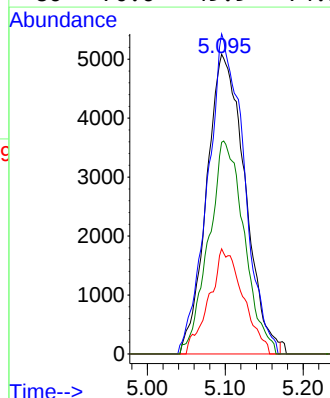
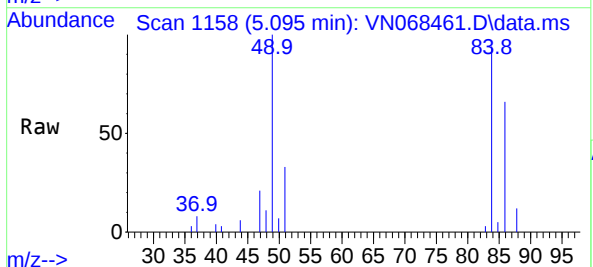
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBL01

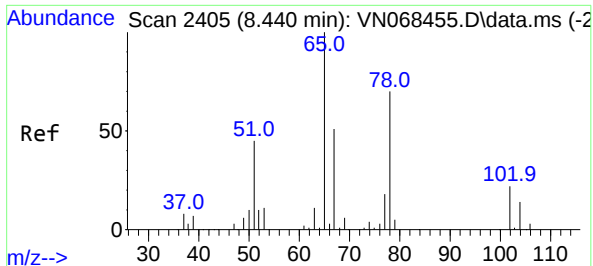
Tgt Ion:128 Resp: 96618  
Ion Ratio Lower Upper  
128 100  
49 112.8 0.0 292.5  
130 126.7 0.0 325.0



#18  
Methylene Chloride  
Concen: 3.287 ug/l  
RT: 5.095 min Scan# 1158  
Delta R.T. -0.005 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

Tgt Ion: 84 Resp: 17324  
Ion Ratio Lower Upper  
84 100  
49 106.8 82.4 123.6  
51 35.1 25.9 38.9  
86 70.6 49.9 74.9

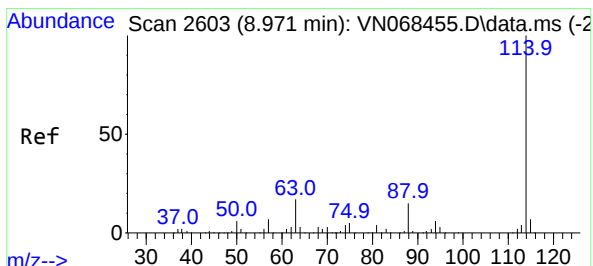
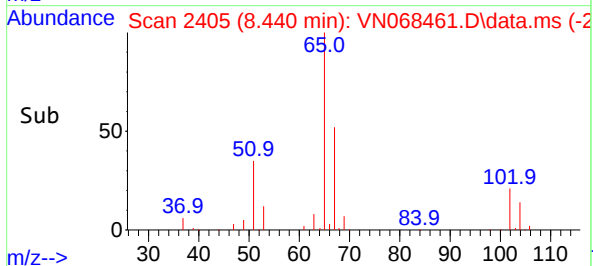
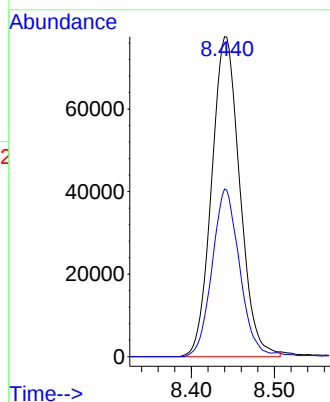
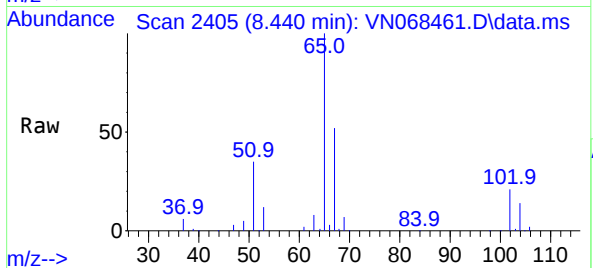




#27  
1,2-Dichloroethane-d4  
Concen: 32.063 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. 0.000 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

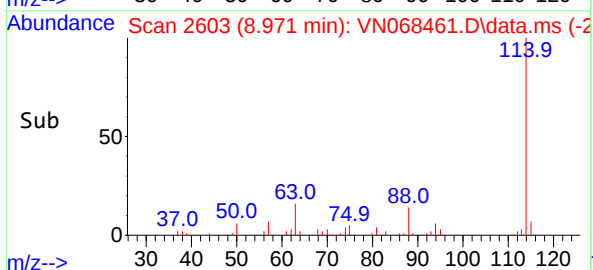
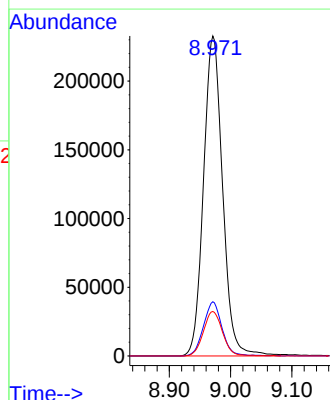
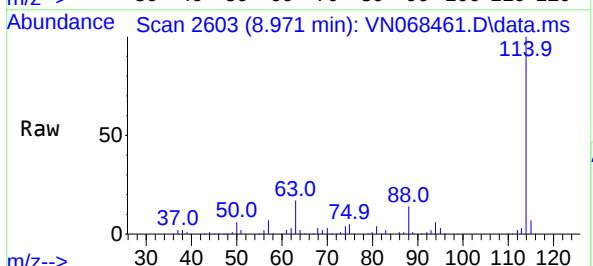
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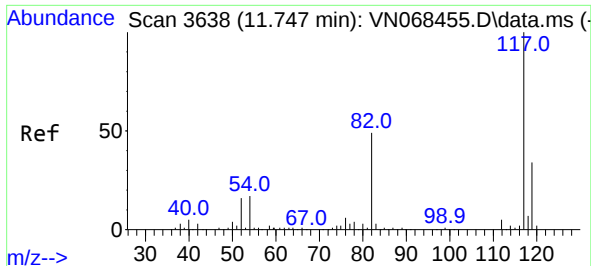
Tgt Ion: 65 Resp: 182951  
Ion Ratio Lower Upper  
65 100  
67 50.8 41.8 62.8



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.000 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

Tgt Ion: 114 Resp: 503897  
Ion Ratio Lower Upper  
114 100  
63 16.4 13.4 20.0  
88 13.9 11.1 16.7

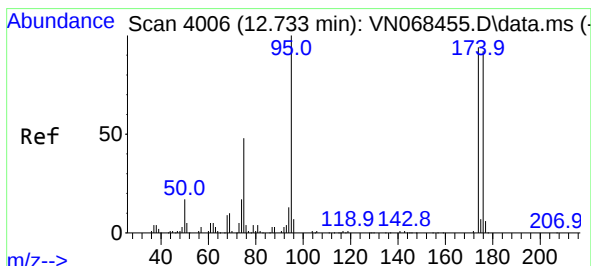
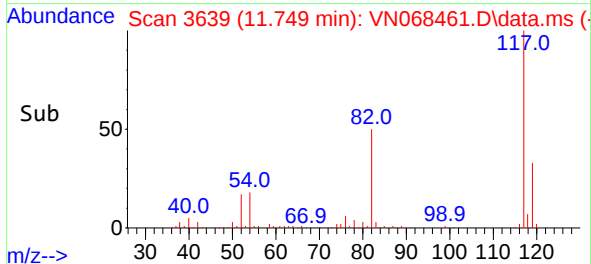
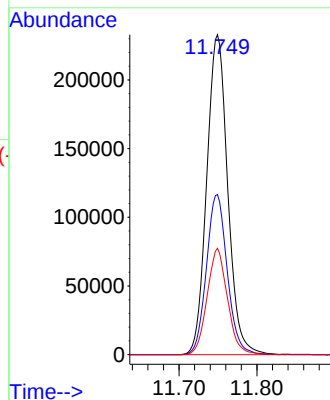
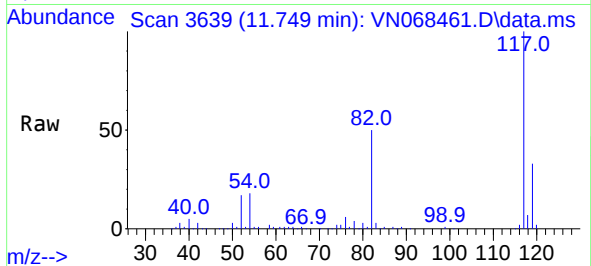




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.749 min Scan# 3639  
Delta R.T. 0.003 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

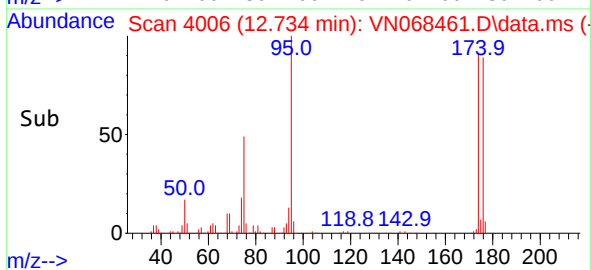
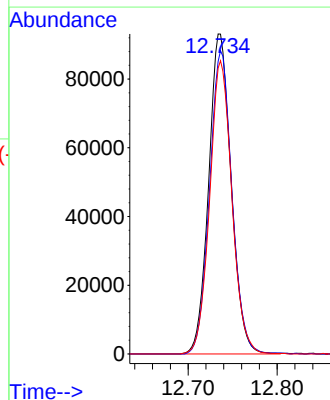
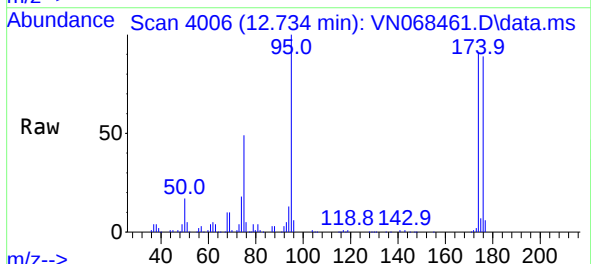
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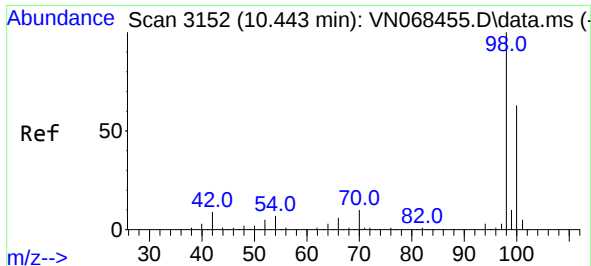
Tgt Ion:117 Resp: 436432  
Ion Ratio Lower Upper  
117 100  
82 49.8 39.4 59.0  
119 32.2 26.2 39.2



#60  
4-Bromofluorobenzene  
Concen: 26.274 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.000 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

Tgt Ion: 95 Resp: 163439  
Ion Ratio Lower Upper  
95 100  
174 94.4 78.0 117.0  
176 90.4 76.4 114.6





#63  
Toluene-d8  
Concen: 30.752 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN068461.D  
Acq: 13 Sep 2021 16:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0913WBL01

Tgt Ion: 98 Resp: 583858  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.9 76.3

