

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN021523\  
 Data File : VN076694.D  
 Acq On : 15 Feb 2023 18:52  
 Operator : JC\MD  
 Sample : 01547-03 10X  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 14B-3

Quant Time: Feb 16 04:35:32 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N021523W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Thu Feb 16 01:08:46 2023  
 Response via : Initial Calibration

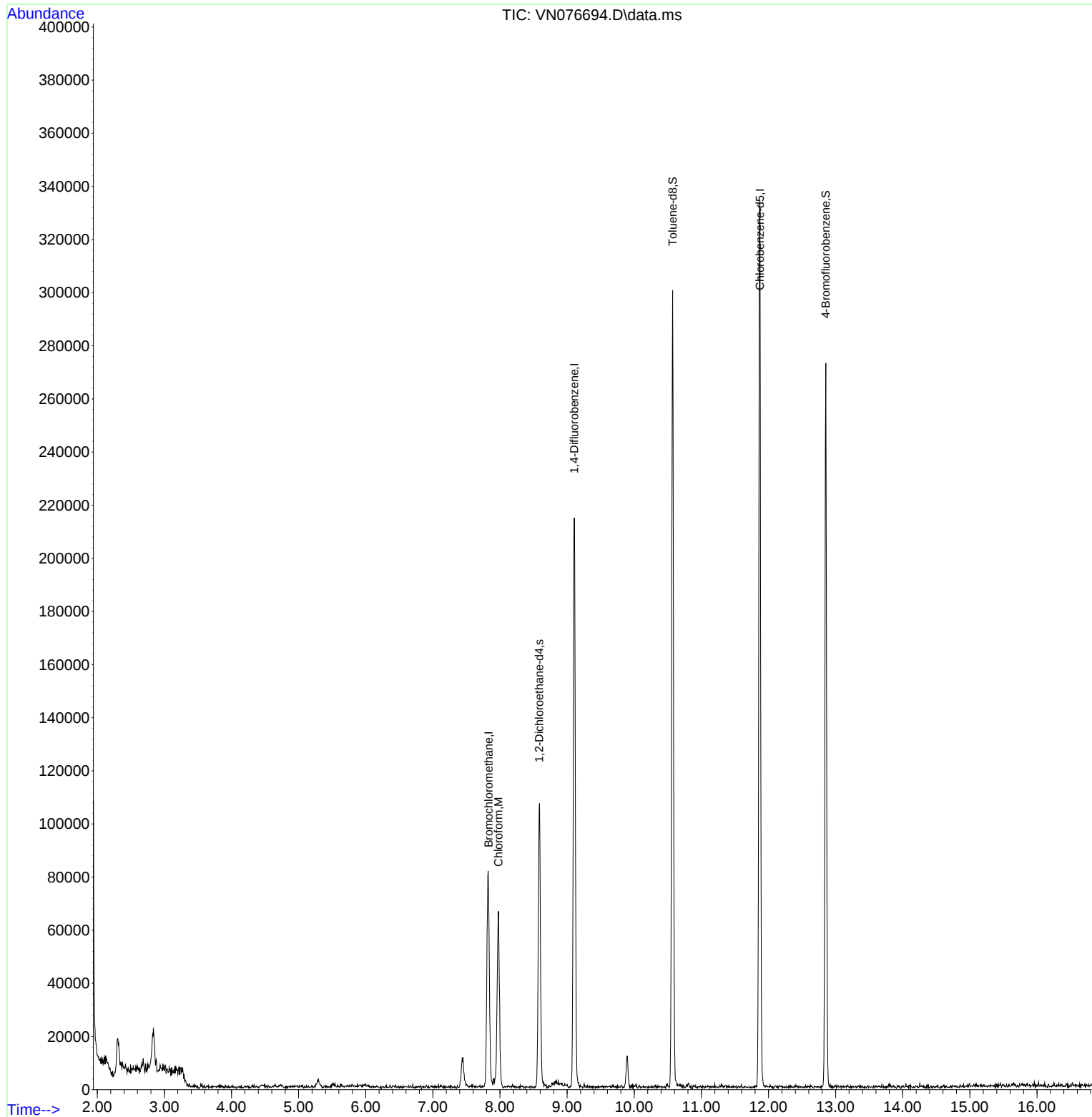
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Bromochloromethane       | 7.830  | 128   | 26716    | 30.000   | ug/l  | 0.01      |
| 28) 1,4-Difluorobenzene     | 9.107  | 114   | 176500   | 30.000   | ug/l  | 0.00      |
| 57) Chlorobenzene-d5        | 11.871 | 117   | 190037   | 30.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 27) 1,2-Dichloroethane-d4   | 8.583  | 65    | 81217    | 33.238   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 110.800%# |
| 60) 4-Bromofluorobenzene    | 12.854 | 95    | 83157    | 24.739   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 82.467%   |
| 63) Toluene-d8              | 10.571 | 98    | 201514   | 30.274   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 100.900%  |
| Target Compounds            |        |       |          |          |       |           |
| 25) Chloroform              | 7.978  | 83    | 58045    | 10.140   | ug/l  | Qvalue 97 |
| -----                       |        |       |          |          |       |           |

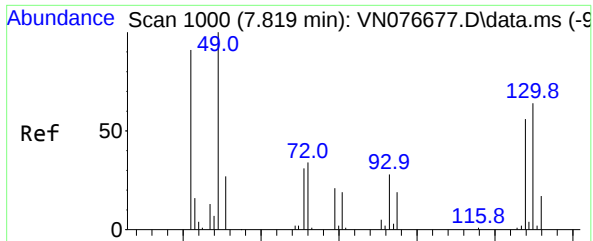
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 16 01:08:46 2023  
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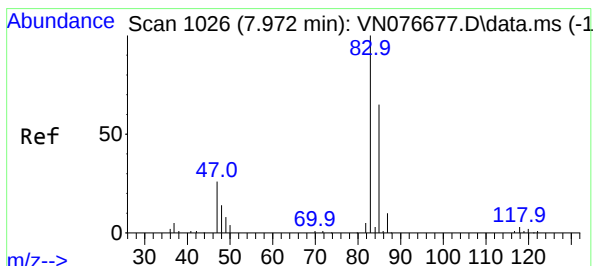
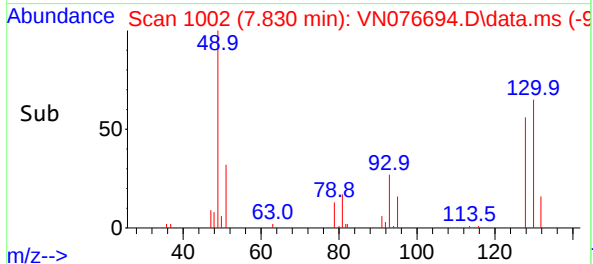
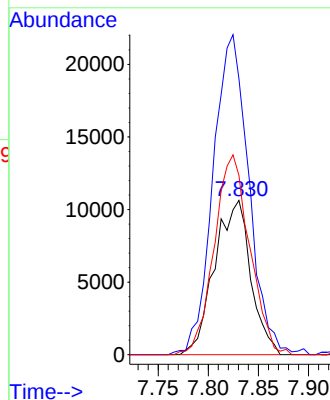
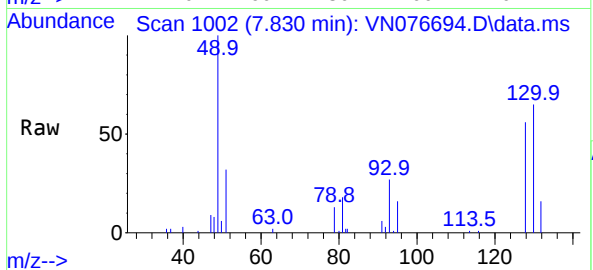




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.830 min Scan# 10  
Delta R.T. 0.011 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

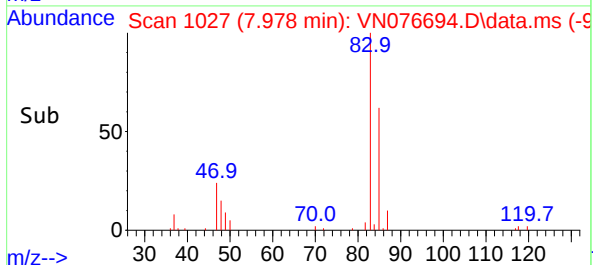
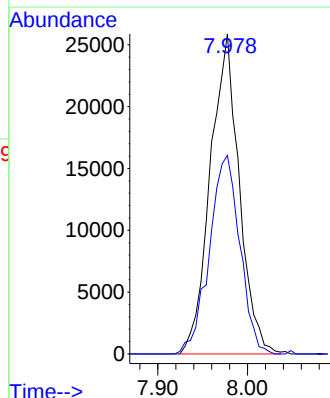
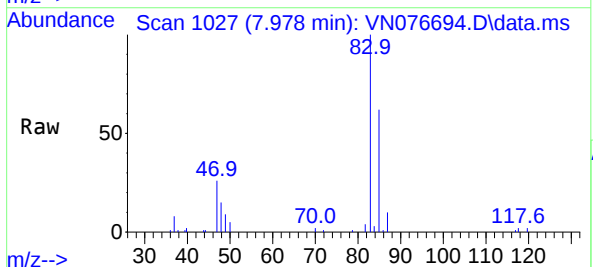
Instrument :  
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ClientSampleId :  
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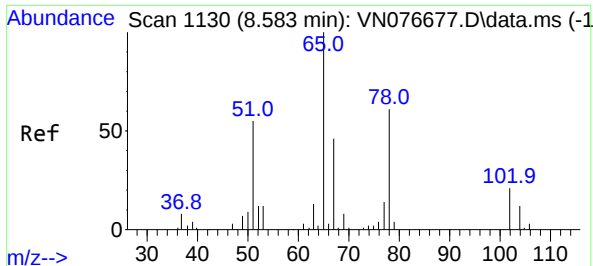
Tgt Ion:128 Resp: 26716  
Ion Ratio Lower Upper  
128 100  
49 198.9 0.0 461.8  
130 126.7 0.0 295.3



#25  
Chloroform  
Concen: 10.140 ug/l  
RT: 7.978 min Scan# 1027  
Delta R.T. 0.006 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

Tgt Ion: 83 Resp: 58045  
Ion Ratio Lower Upper  
83 100  
85 62.1 51.8 77.6

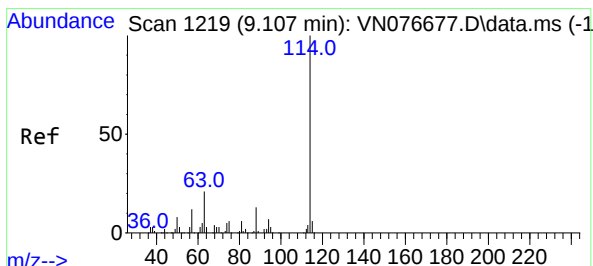
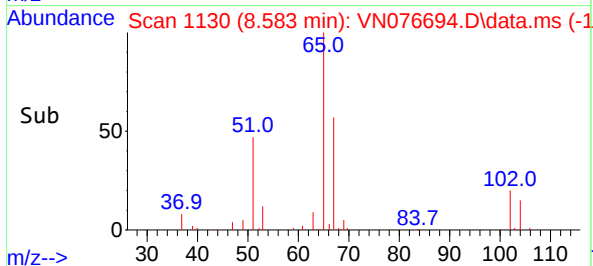
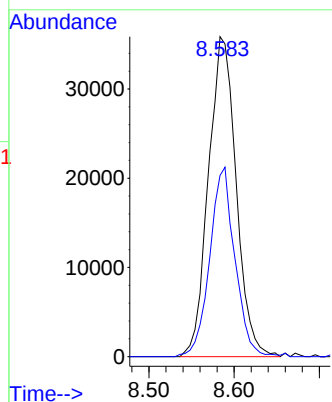
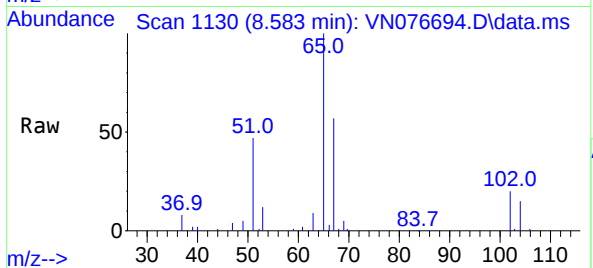




#27  
1,2-Dichloroethane-d4  
Concen: 33.238 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. -0.000 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

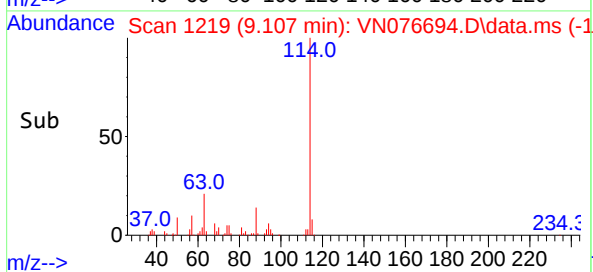
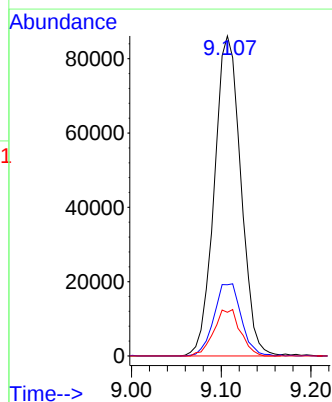
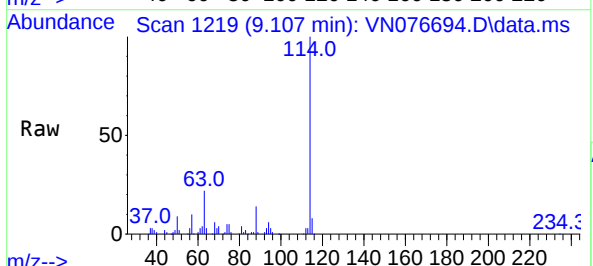
Instrument :  
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ClientSampleId :  
14B-3

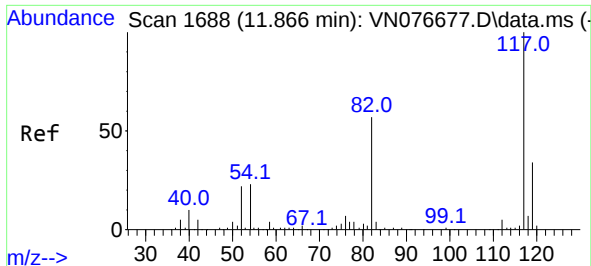
Tgt Ion: 65 Resp: 81217  
Ion Ratio Lower Upper  
65 100  
67 53.8 40.9 61.3



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 9.107 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

Tgt Ion: 114 Resp: 176500  
Ion Ratio Lower Upper  
114 100  
63 23.3 17.0 25.4  
88 14.5 11.6 17.4

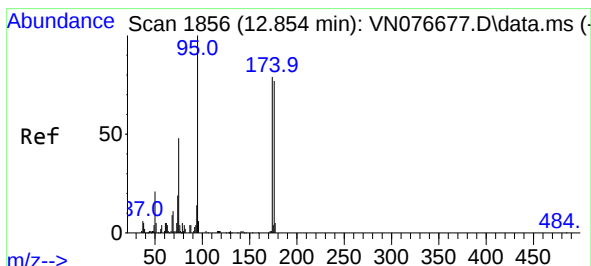
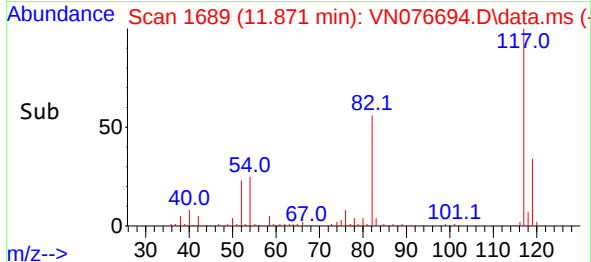
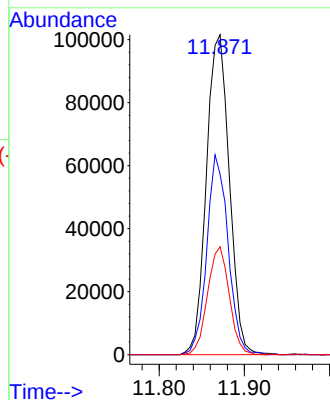
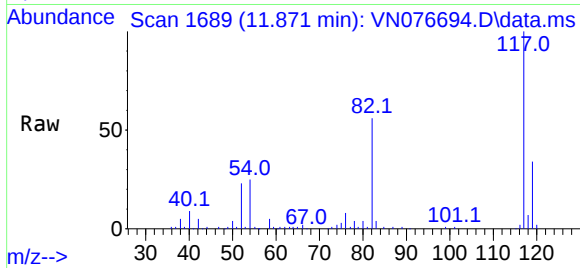




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.871 min Scan# 1170  
Delta R.T. 0.006 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

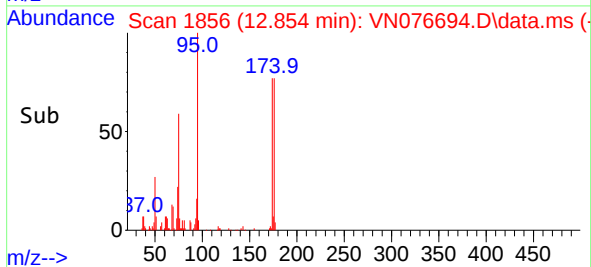
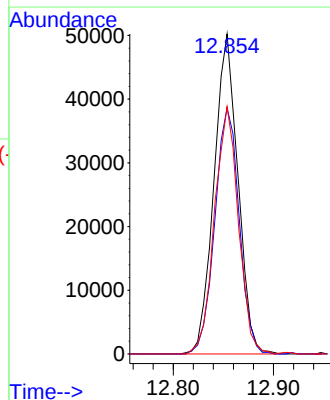
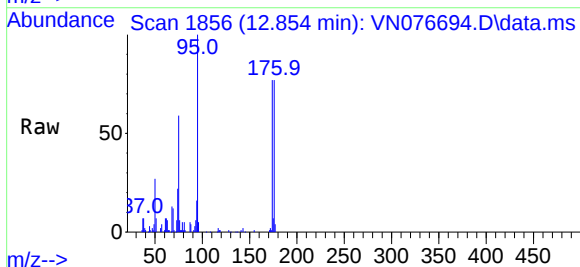
Instrument :  
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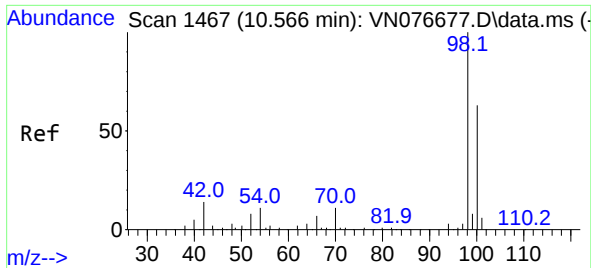
Tgt Ion:117 Resp: 190037  
Ion Ratio Lower Upper  
117 100  
82 57.8 45.4 68.0  
119 31.9 26.8 40.2



#60  
4-Bromofluorobenzene  
Concen: 24.739 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.000 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

Tgt Ion: 95 Resp: 83157  
Ion Ratio Lower Upper  
95 100  
174 78.1 64.2 96.4  
176 77.1 61.4 92.0





#63  
Toluene-d8  
Concen: 30.274 ug/l  
RT: 10.571 min Scan# 1468  
Delta R.T. 0.006 min  
Lab File: VN076694.D  
Acq: 15 Feb 2023 18:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
14B-3

Tgt Ion: 98 Resp: 201514  
Ion Ratio Lower Upper  
98 100  
100 63.1 53.8 80.6

