

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX040519\  
 Data File : VX008674.D  
 Acq On : 05 Apr 2019 10:51  
 Operator : JC/SP  
 Sample : VX0405WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0405WBL01

Quant Time: Apr 05 13:48:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\624X032719W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Mar 27 12:01:15 2019  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.01  | 128  | 29960    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.85  | 114  | 177398   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 151379   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |       |          |          |       |         |      |
|-----------------------------|-------|----------|----------|-------|---------|------|
| 27) 1,2-Dichloroethane-d4   | 6.06  | 65       | 75637    | 30.18 | ug/l    | 0.00 |
| Spiked Amount 30.000        | Range | 50 - 169 | Recovery | =     | 100.60% |      |
| 60) 4-Bromofluorobenzene    | 11.13 | 95       | 72585    | 27.52 | ug/l    | 0.00 |
| Spiked Amount 30.000        | Range | 56 - 143 | Recovery | =     | 91.73%  |      |
| 63) Toluene-d8              | 8.71  | 98       | 217264   | 30.24 | ug/l    | 0.00 |
| Spiked Amount 30.000        | Range | 66 - 137 | Recovery | =     | 100.80% |      |

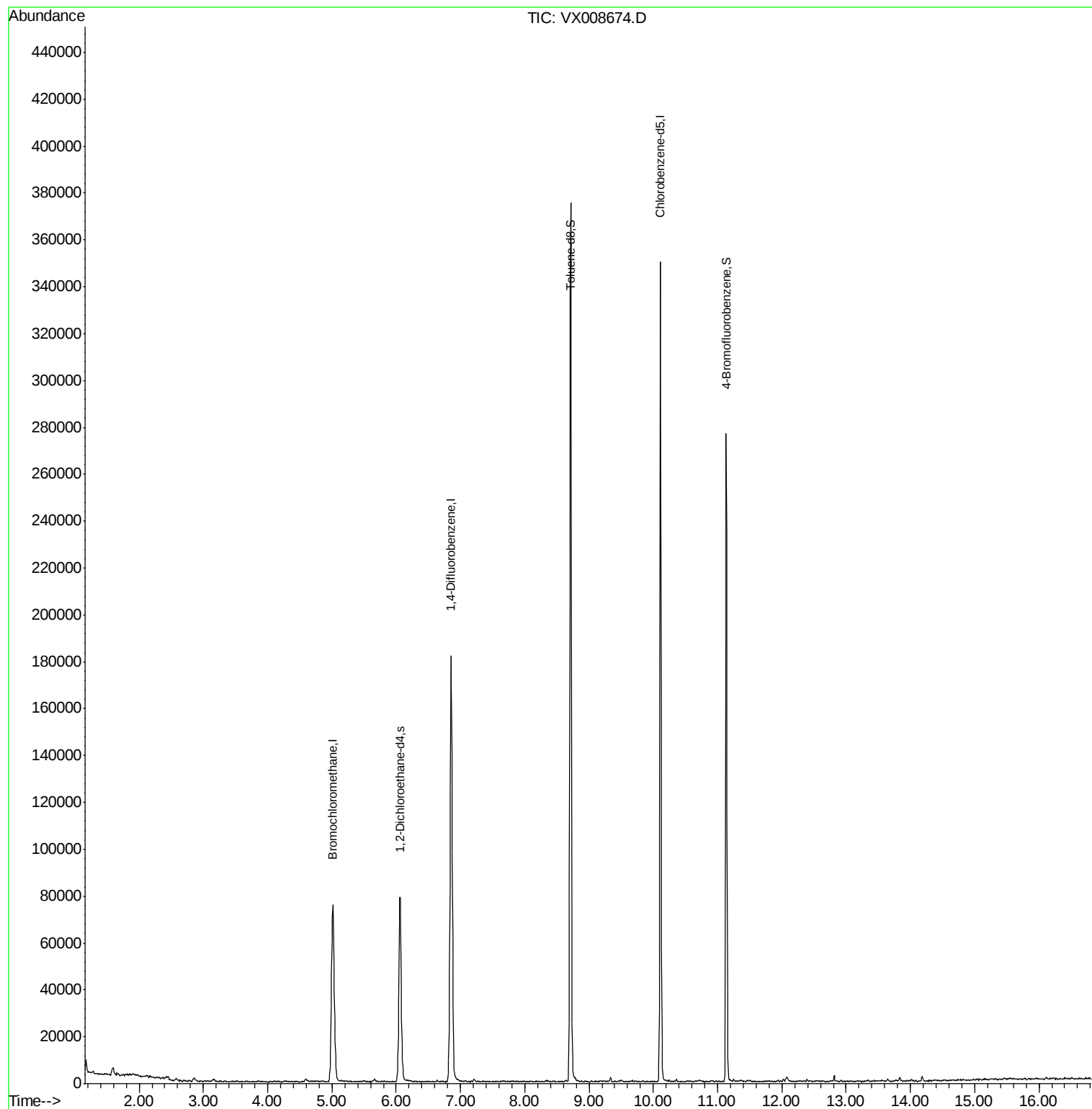
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

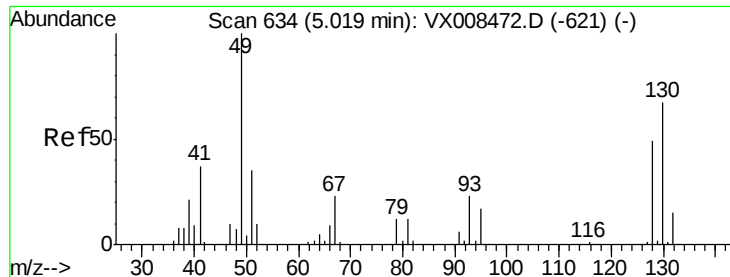
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX040519\  
Data File : VX008674.D  
Acq On : 05 Apr 2019 10:51  
Operator : JC/SP  
Sample : VX0405WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0405WBL01

Quant Time: Apr 05 13:48:31 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\624X032719W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Mar 27 12:01:15 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008674.D

Acq: 05 Apr 2019 10:51

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0405WBL01

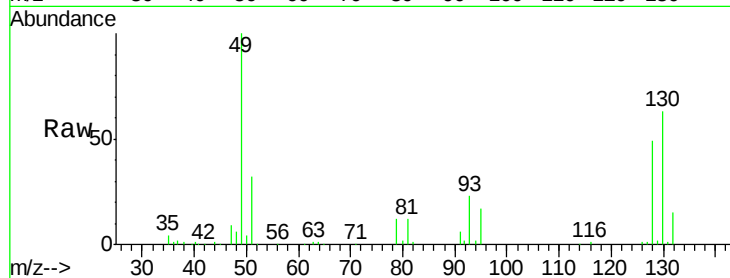
Tgt Ion:128 Resp: 29960

Ion Ratio Lower Upper

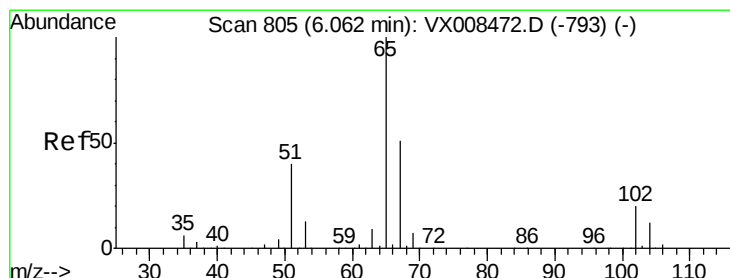
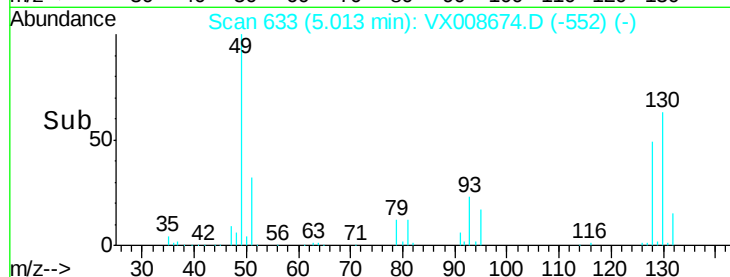
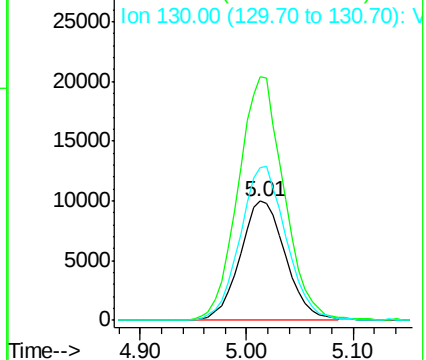
128 100

49 206.3 0.0 350.8

130 130.7 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 49.00 (48.70 to 49.70): VX0  
Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 30.179 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008674.D

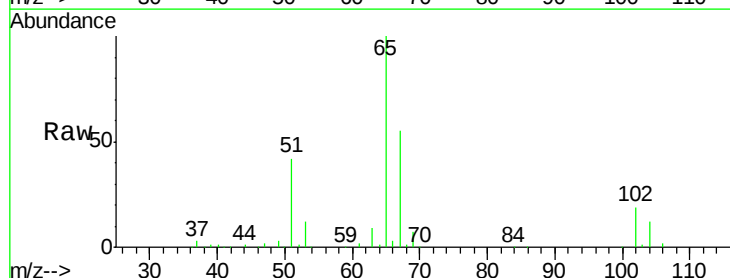
Acq: 05 Apr 2019 10:51

Tgt Ion: 65 Resp: 75637

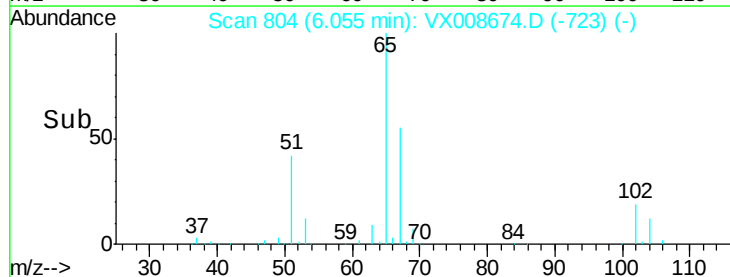
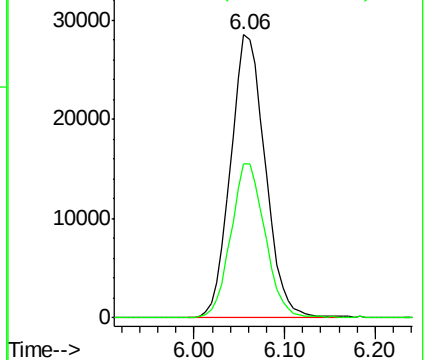
Ion Ratio Lower Upper

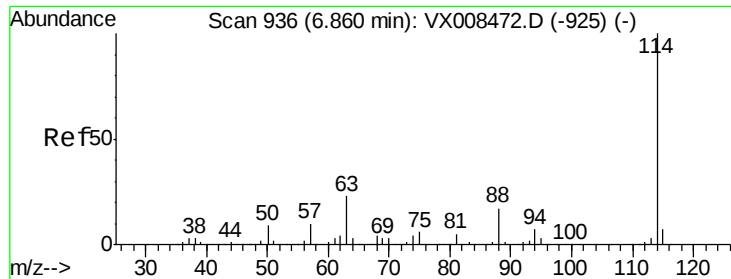
65 100

67 53.8 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0  
Ion 67.00 (66.70 to 67.70): VX0

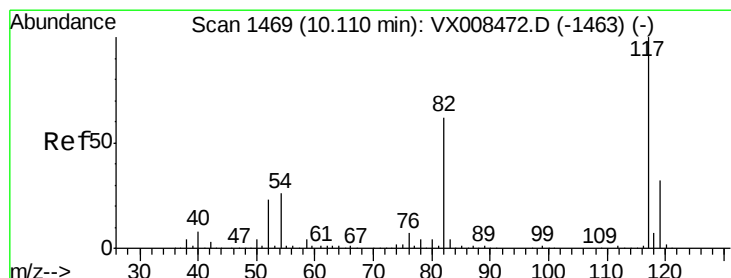
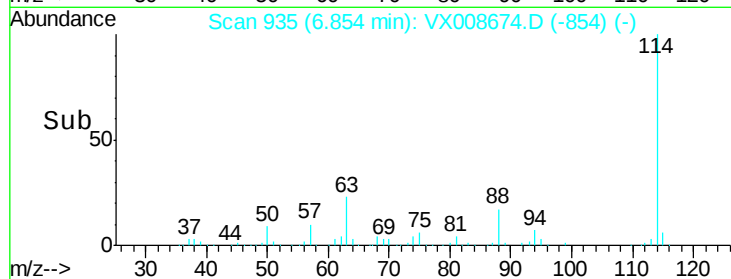
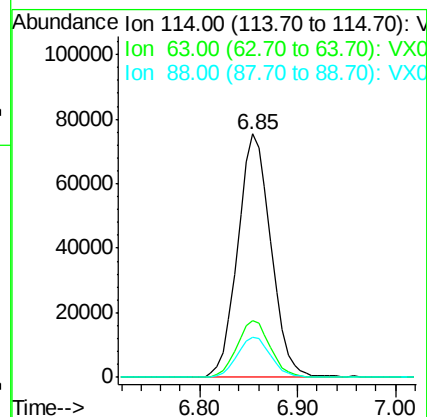
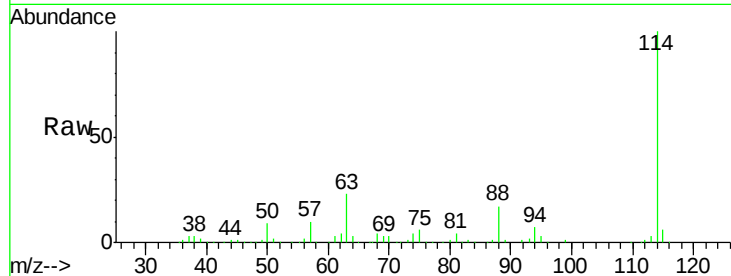




#28  
 1,4-Difluorobenzene  
 Concen: 30.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: VX008674.D  
 Acq: 05 Apr 2019 10:51

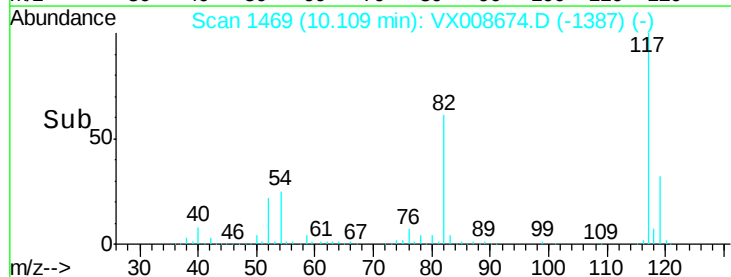
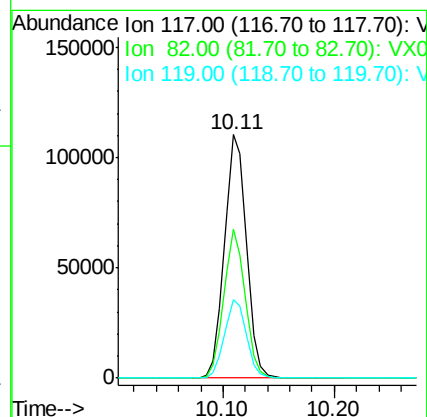
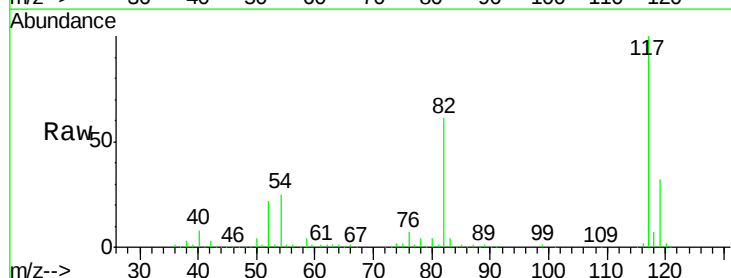
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0405WBL01

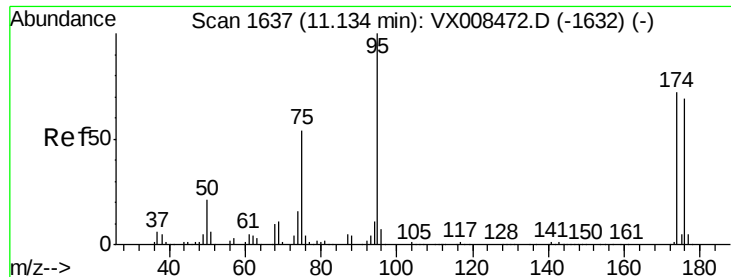
Tgt Ion:114 Resp: 177398  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 14.2 21.4#  
 88 16.9 11.9 17.9



#57  
 Chlorobenzene-d5  
 Concen: 30.000 ug/l  
 RT: 10.11 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VX008674.D  
 Acq: 05 Apr 2019 10:51

Tgt Ion:117 Resp: 151379  
 Ion Ratio Lower Upper  
 117 100  
 82 59.3 40.4 60.6  
 119 32.0 25.8 38.6





#60

4-Bromofluorobenzene

Concen: 27.520 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008674.D

Acq: 05 Apr 2019 10:51

Instrument :

MSVOA\_X

ClientSampleId :

VX0405WBL01

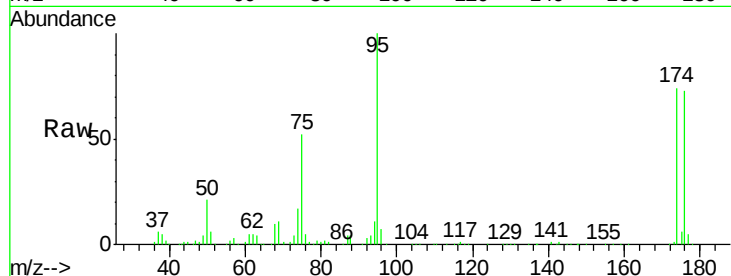
Tgt Ion: 95 Resp: 72585

Ion Ratio Lower Upper

95 100

174 77.3 74.9 112.3

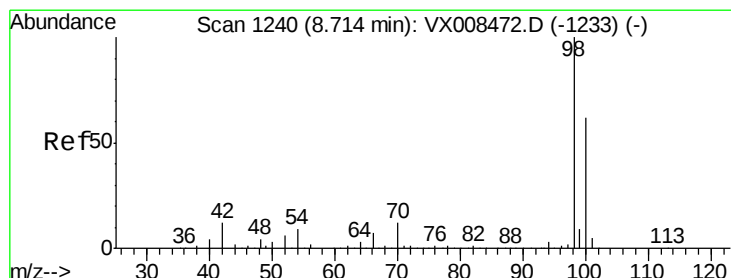
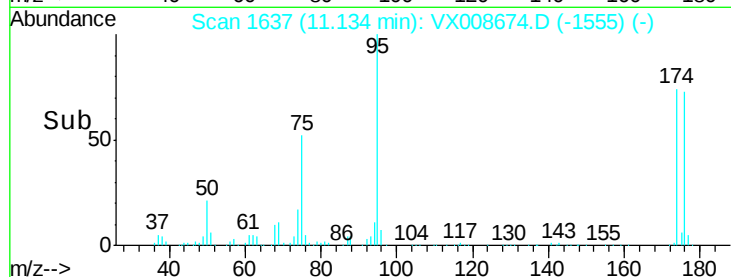
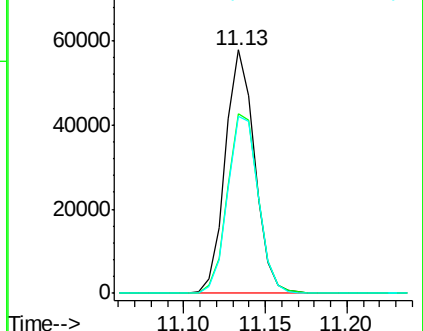
176 76.0 70.7 106.1



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.236 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008674.D

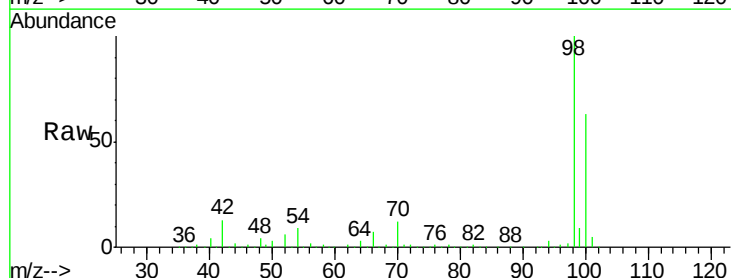
Acq: 05 Apr 2019 10:51

Tgt Ion: 98 Resp: 217264

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

