

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\  
 Data File : VX008499.D  
 Acq On : 27 Mar 2019 21:40  
 Operator : JC/SP  
 Sample : K2103-07  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-C02-SETTLED-3H-A

Quant Time: Mar 28 10:16:19 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   | 5.02  | 128  | 35702    | 30.00 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.86  | 114  | 205603   | 30.00 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.11 | 117  | 177196   | 30.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 27) 1,2-Dichloroethane-d4   | 6.06   | 65    | 91333    | 30.58    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 50 - 169 | Recovery | =    | 101.93% |
| 60) 4-Bromofluorobenzene    | 11.13  | 95    | 87453    | 28.33    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 56 - 143 | Recovery | =    | 94.43%  |
| 63) Toluene-d8              | 8.71   | 98    | 259798   | 30.89    | ug/l | 0.00    |
| Spiked Amount               | 30.000 | Range | 66 - 137 | Recovery | =    | 102.97% |

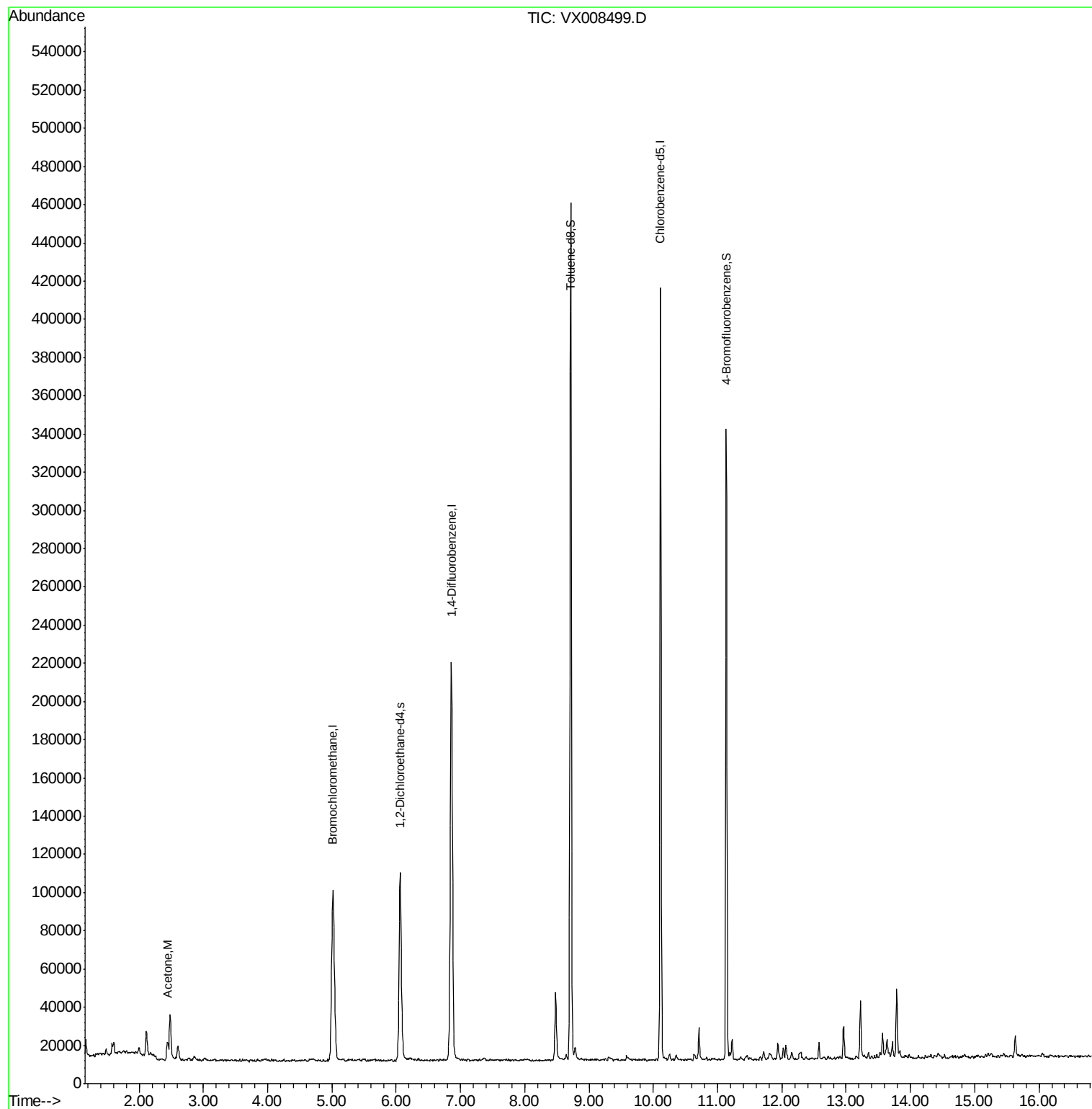
| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 15) Acetone      | 2.44 | 58 | 3159 | 6.047 ug/l | 98     |

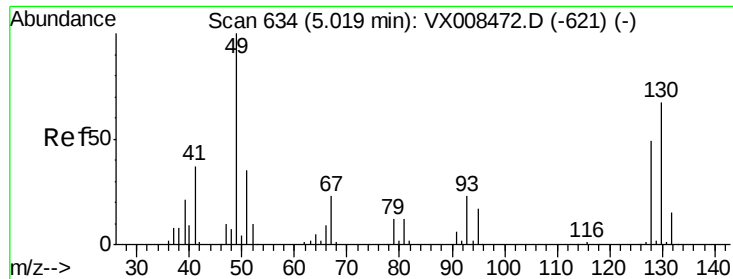
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 27 12:01:15 2019  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008499.D

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Instrument :

MSVOA\_X

ClientSampleId :

MH-C02-SETTLED-3H-A

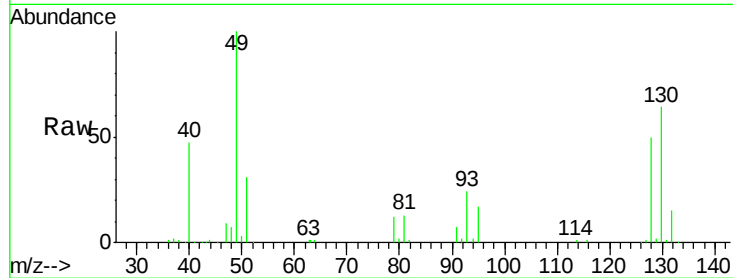
Tot Ion:128 Resp: 35702

Ion Ratio Lower Upper

128 100

49 206.6 0.0 350.8

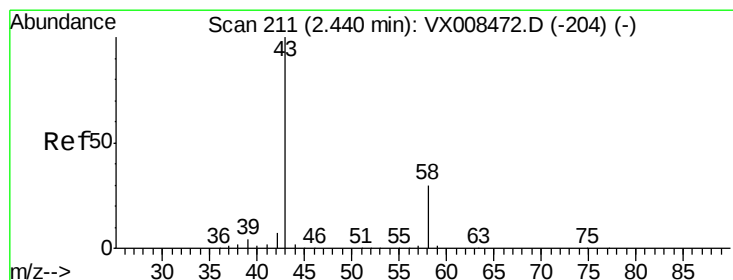
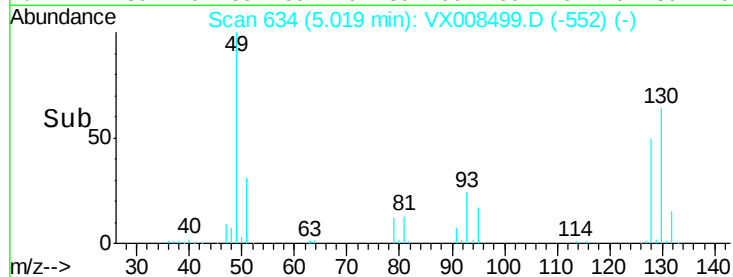
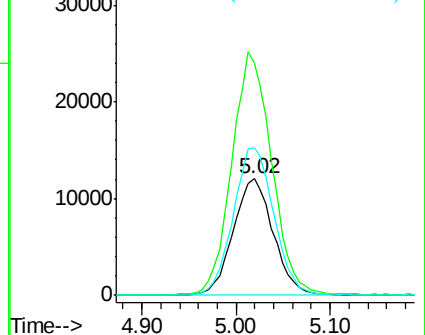
130 128.8 0.0 325.8



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



#15

Acetone

Concen: 6.047 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008499.D

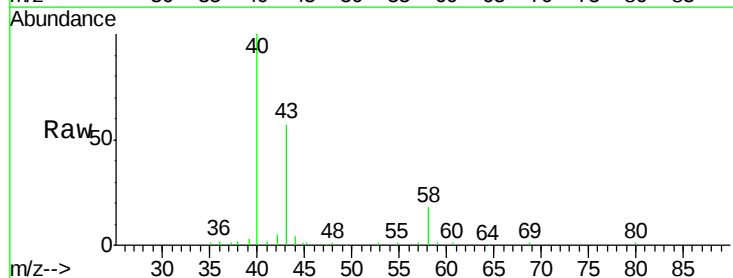
Acq: 27 Mar 2019 21:40

Tgt Ion: 58 Resp: 3159

Ion Ratio Lower Upper

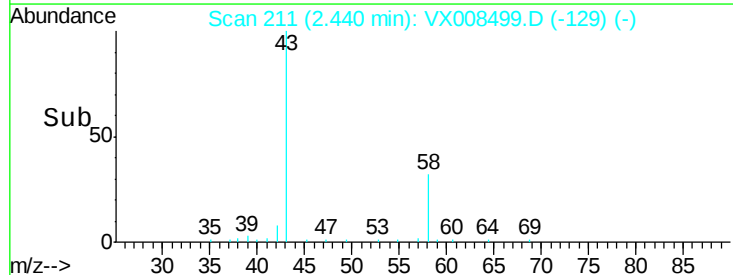
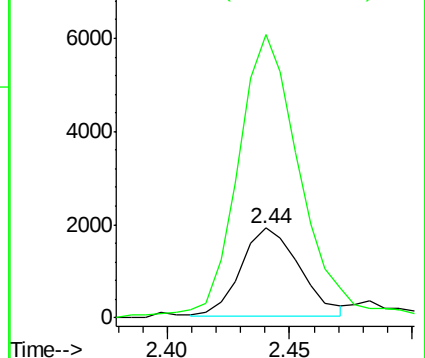
58 100

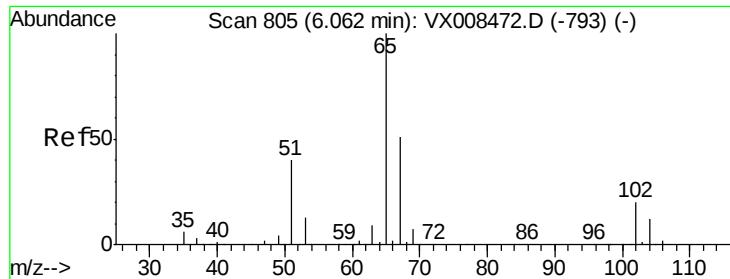
43 315.8 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.581 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008499.D

Acq: 27 Mar 2019 21:40

Instrument :

MSVOA\_X

ClientSampleId :

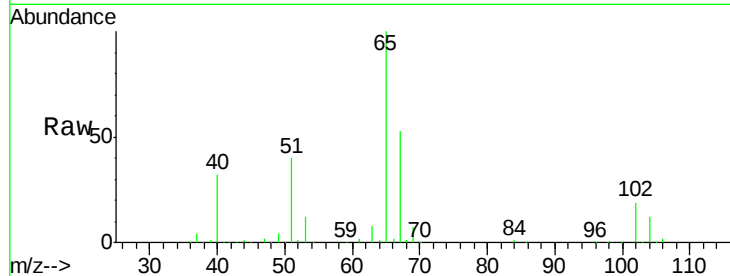
MH-C02-SETTLED-3H-A

Tot Ion: 65 Resp: 91333

Ion Ratio Lower Upper

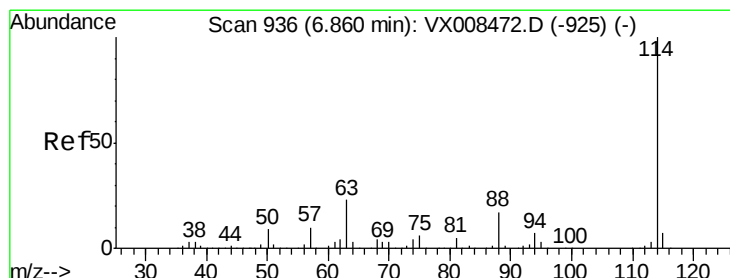
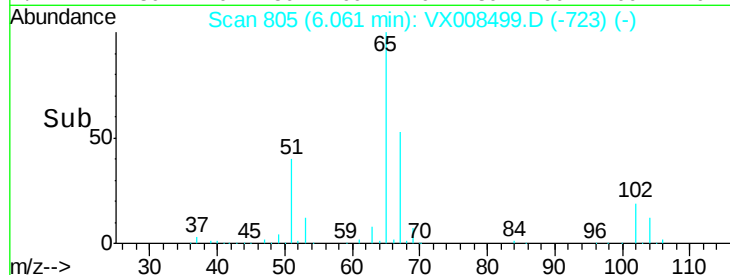
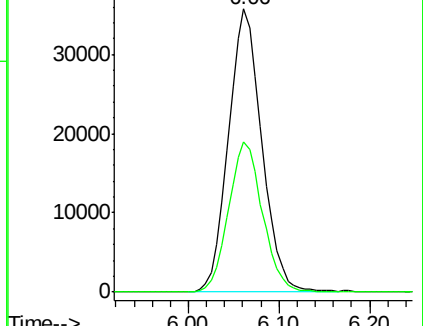
65 100

67 54.0 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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008499.D

Acq: 27 Mar 2019 21:40

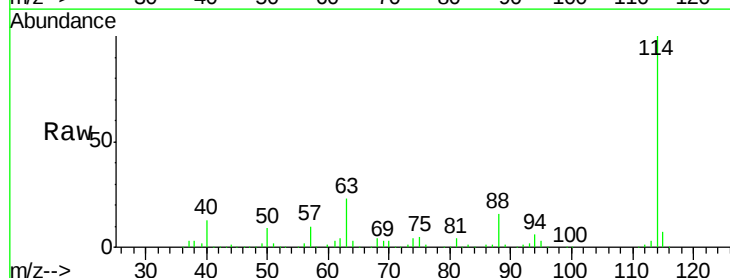
Tgt Ion: 114 Resp: 205603

Ion Ratio Lower Upper

114 100

63 23.9 14.2 21.4#

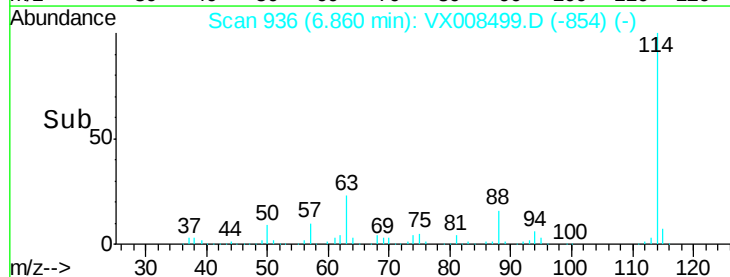
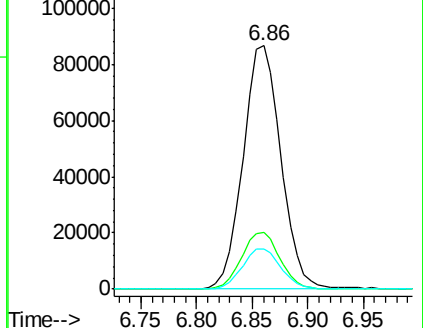
88 16.9 11.9 17.9

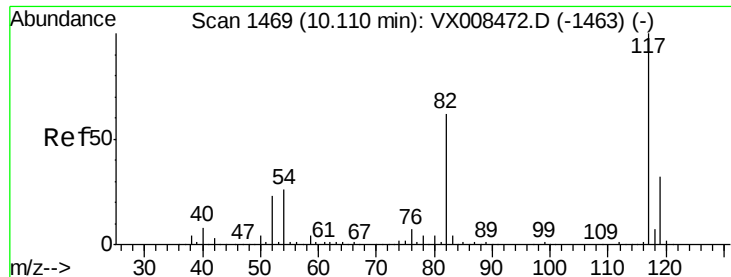


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

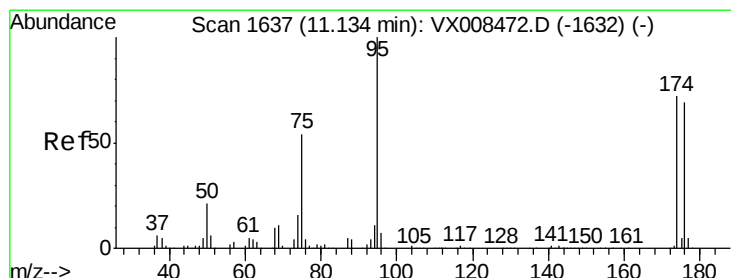
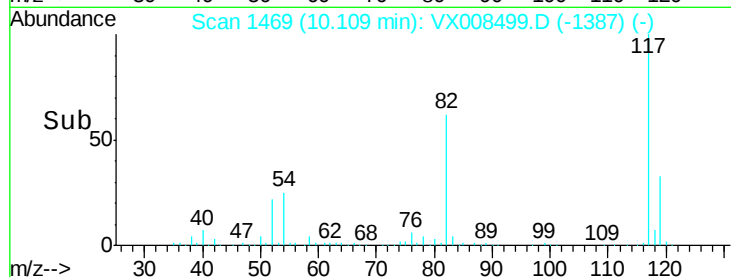
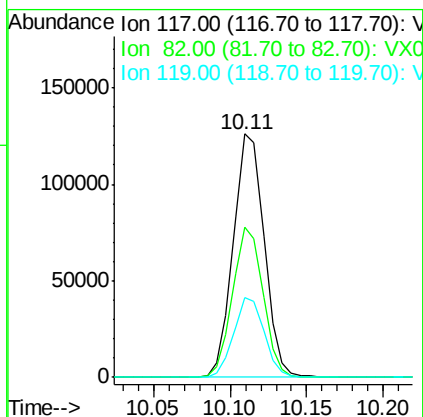
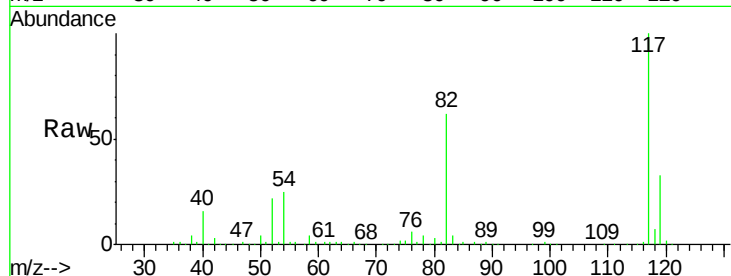




#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX008499.D  
Acq: 27 Mar 2019 21:40

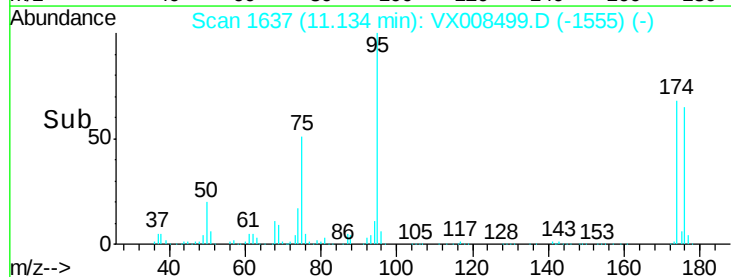
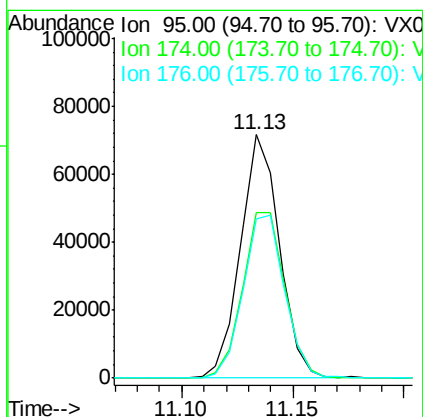
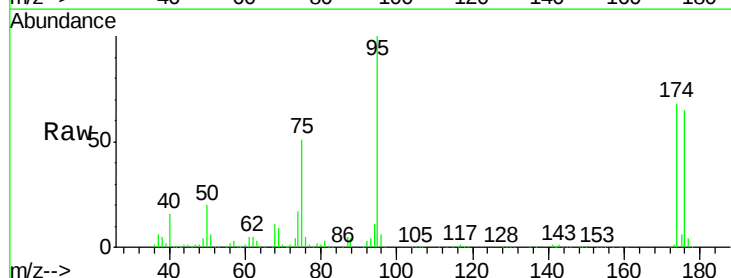
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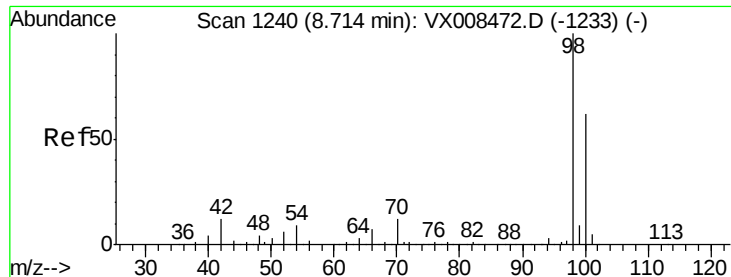
Tot Ion:117 Resp: 177196  
Ion Ratio Lower Upper  
117 100  
82 60.6 40.4 60.6#  
119 32.2 25.8 38.6



#60  
4-Bromofluorobenzene  
Concen: 28.326 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX008499.D  
Acq: 27 Mar 2019 21:40

Tgt Ion: 95 Resp: 87453  
Ion Ratio Lower Upper  
95 100  
174 74.1 74.9 112.3#  
176 71.9 70.7 106.1





#63

Toluene-d8

Concen: 30.888 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008499.D

Acq: 27 Mar 2019 21:40

Instrument :

MSVOA\_X

ClientSampleId :

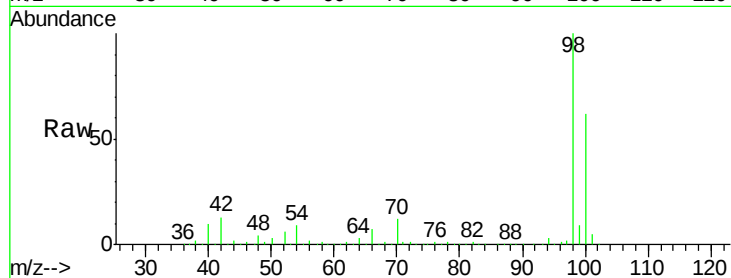
MH-C02-SETTLED-3H-A

Tot Ion: 98 Resp: 259798

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

