

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008498.D
 Acq On : 27 Mar 2019 21:16
 Operator : JC/SP
 Sample : K2103-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-C05-SETTLED-3H-B

Quant Time: Mar 28 10:15:51 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	36546	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	205245	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	179357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	91176	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	11.13	95	87192	27.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.00%
63) Toluene-d8	8.71	98	257830	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

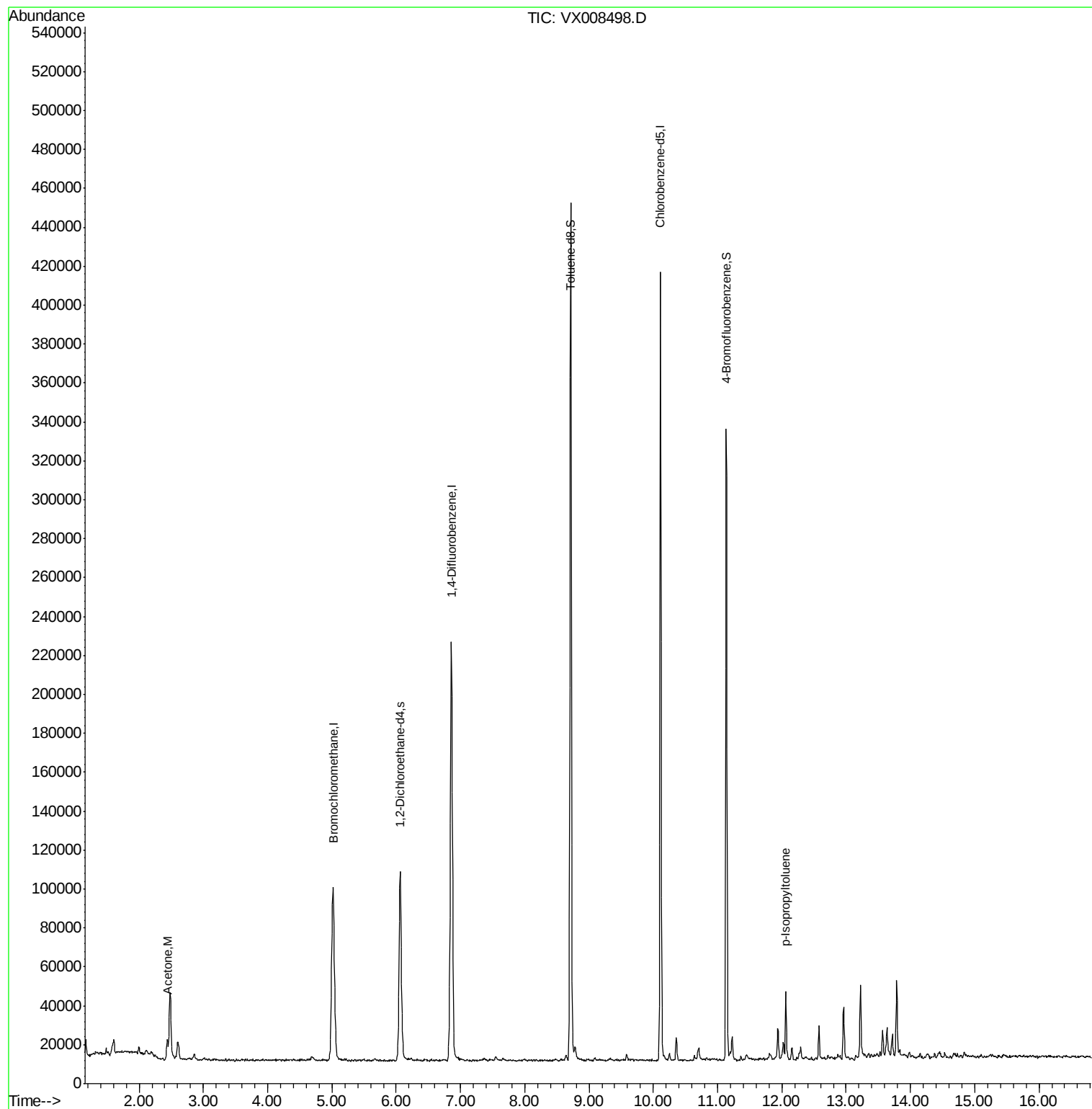
					Ovalue
15) Acetone	2.44	58	3598	6.728	ug/l 89
82) p-Isopropyltoluene	12.06	119	14249	1.437	ug/l 96

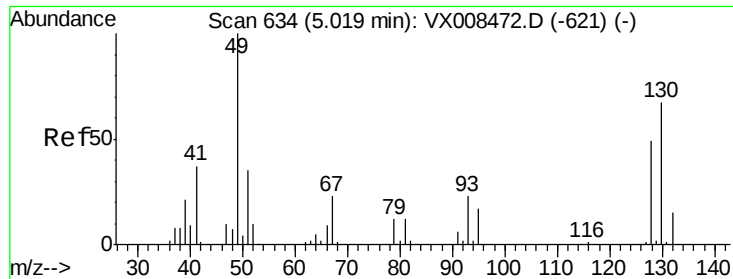
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 28 10:15:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
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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: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX008498.D

Acq: 27 Mar 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

MH-C05-SETTLED-3H-B

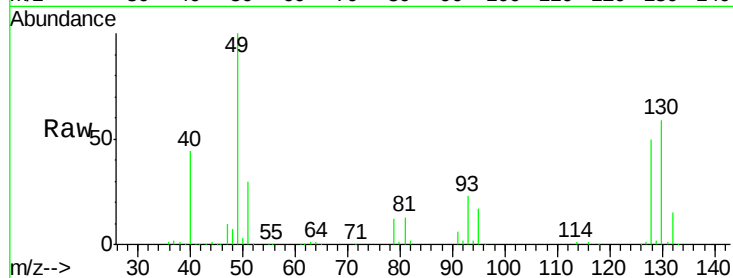
Tot Ion:128 Resp: 36546

Ion Ratio Lower Upper

128 100

49 200.5 0.0 350.8

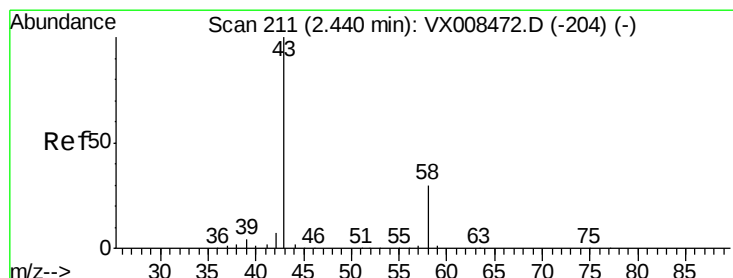
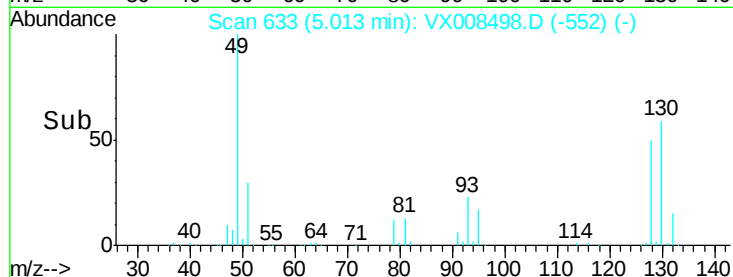
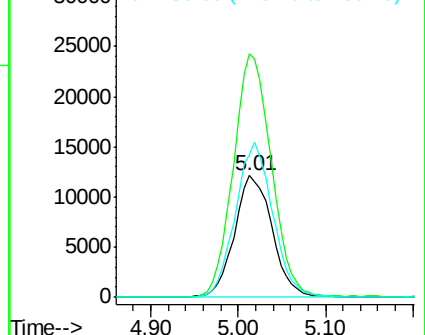
130 125.7 0.0 325.8



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



#15

Acetone

Concen: 6.728 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008498.D

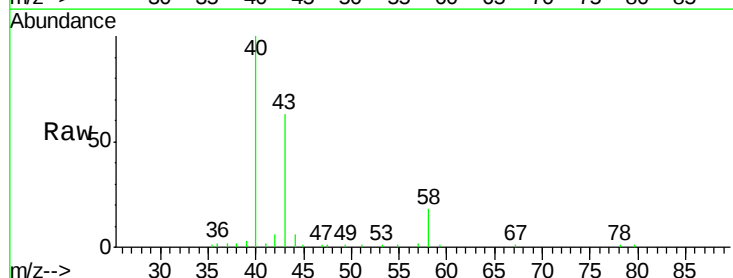
Acq: 27 Mar 2019 21:16

Tgt Ion: 58 Resp: 3598

Ion Ratio Lower Upper

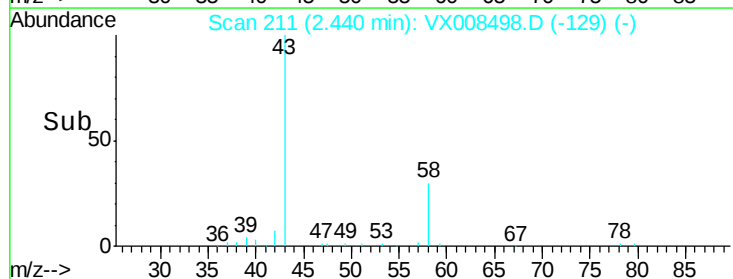
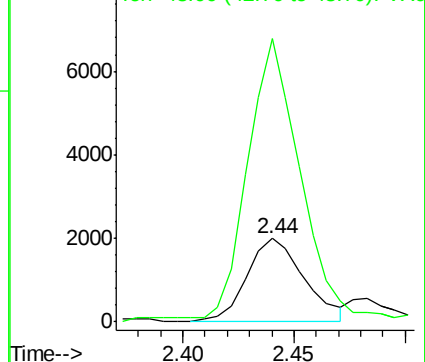
58 100

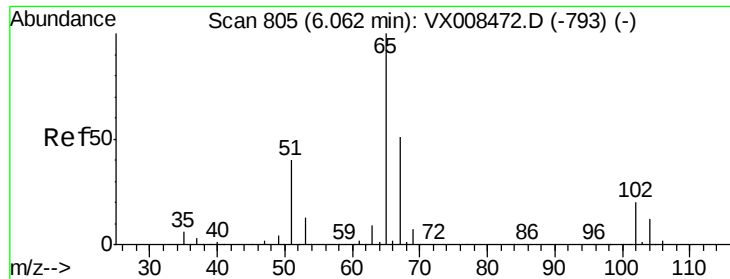
43 334.8 249.8 374.6



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: 29.823 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008498.D

Acq: 27 Mar 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

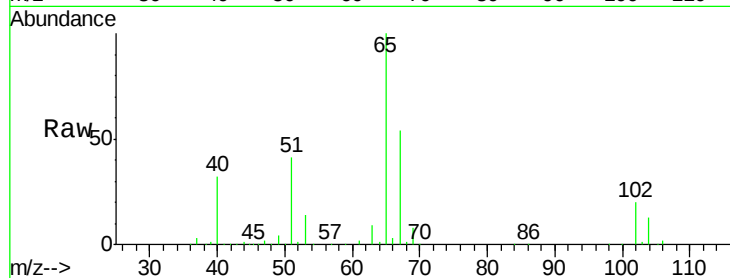
MH-C05-SETTLED-3H-B

Tot Ion: 65 Resp: 91176

Ion Ratio Lower Upper

65 100

67 53.6 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

40000

30000

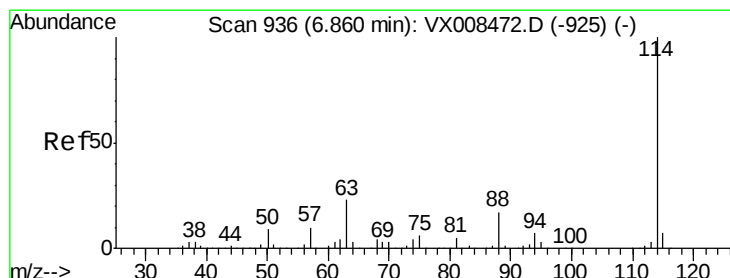
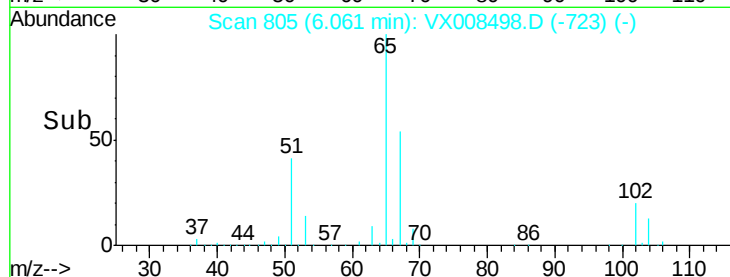
20000

10000

0

Time-->

6.00 6.10 6.20



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008498.D

Acq: 27 Mar 2019 21:16

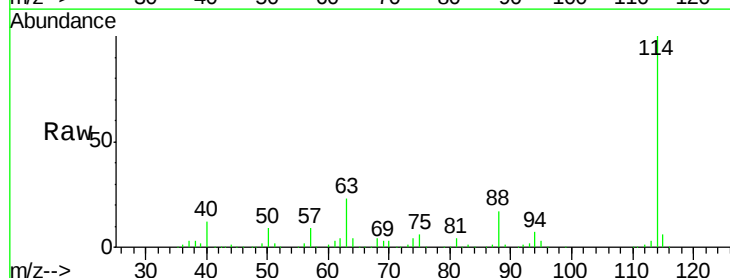
Tgt Ion: 114 Resp: 205245

Ion Ratio Lower Upper

114 100

63 24.0 14.2 21.4#

88 17.0 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

120000

100000

80000

60000

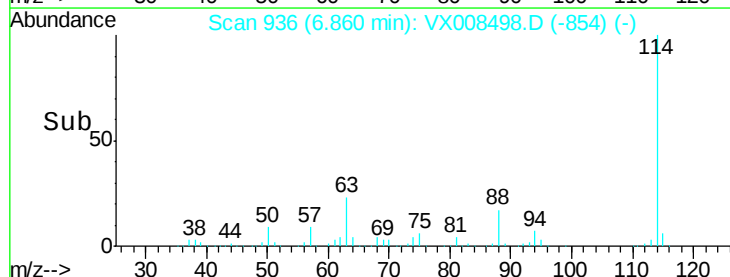
40000

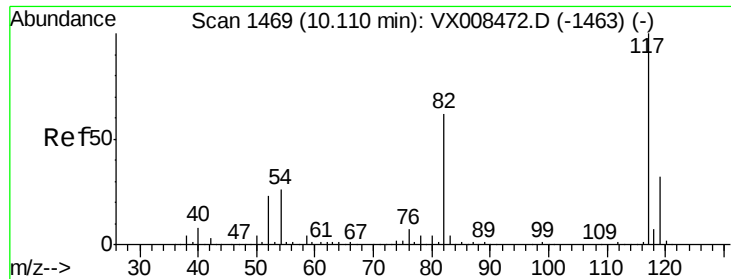
20000

0

Time-->

6.80 6.90

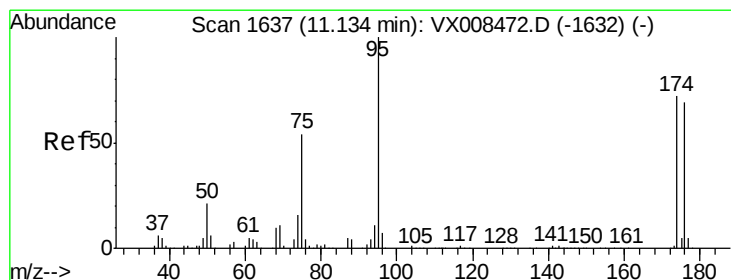
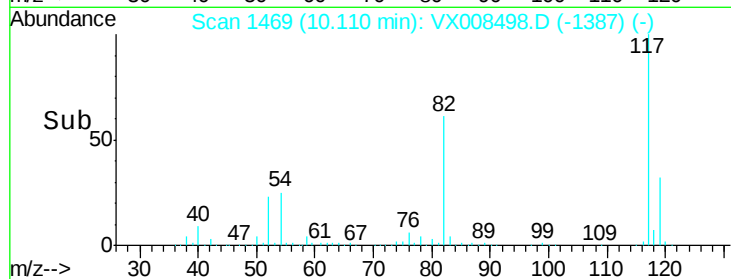
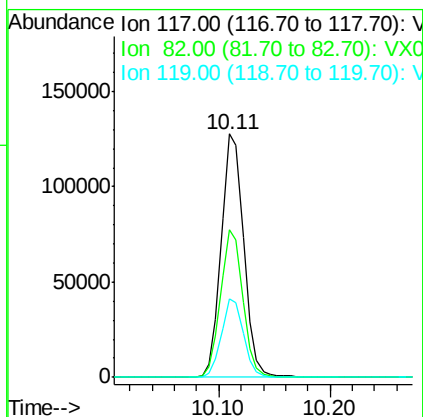
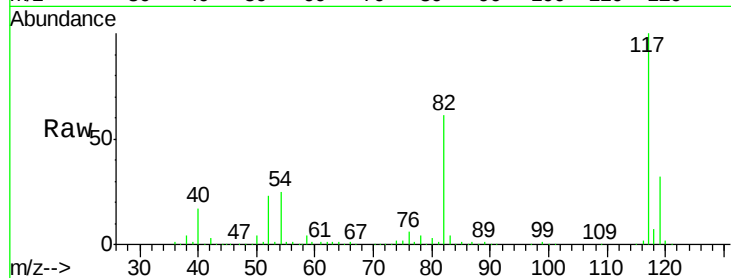




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008498.D
Acq: 27 Mar 2019 21:16

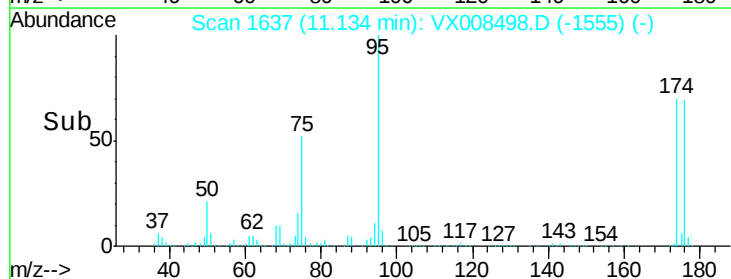
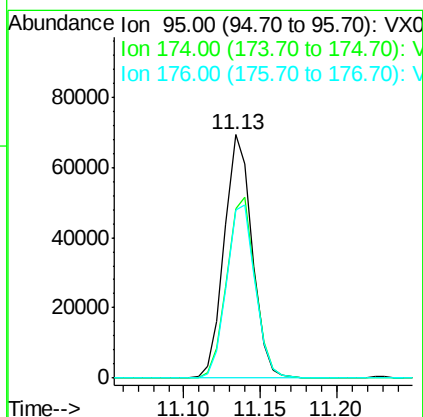
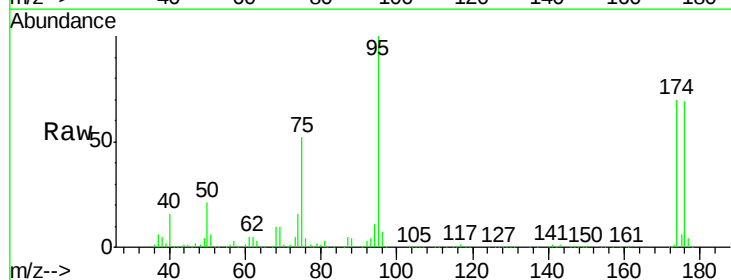
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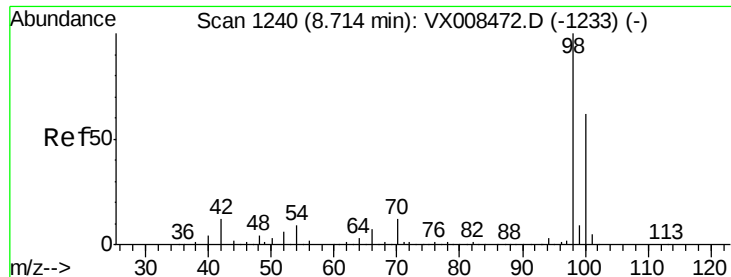
Tot Ion:117 Resp: 179357
Ion Ratio Lower Upper
117 100
82 60.0 40.4 60.6
119 31.6 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 27.901 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008498.D
Acq: 27 Mar 2019 21:16

Tgt Ion: 95 Resp: 87192
Ion Ratio Lower Upper
95 100
174 76.1 74.9 112.3
176 73.8 70.7 106.1





#63

Toluene-d8

Concen: 30.284 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008498.D

Acq: 27 Mar 2019 21:16

Instrument :

MSVOA_X

ClientSampleId :

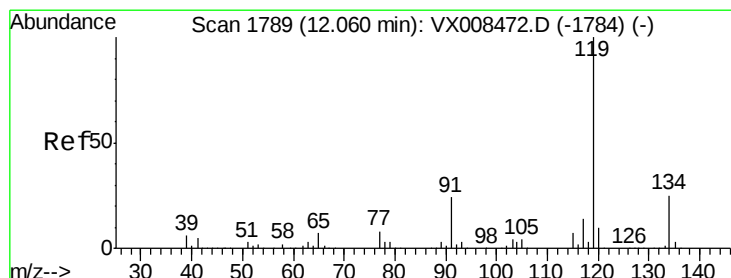
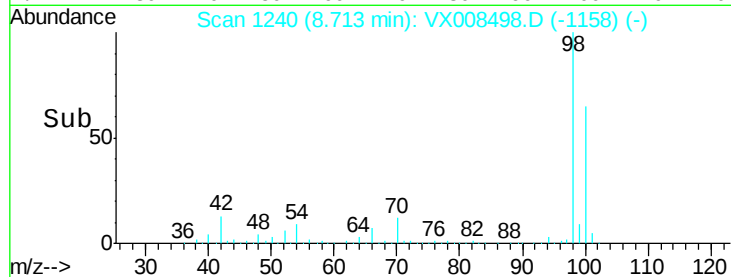
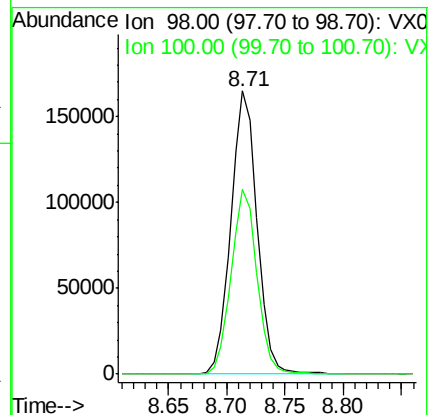
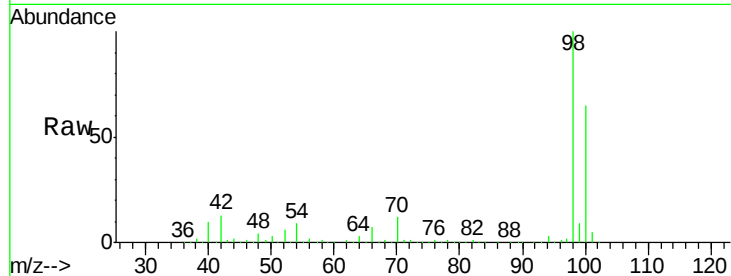
MH-C05-SETTLED-3H-B

Tot Ion: 98 Resp: 257830

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



#82

p-Isopropyltoluene

Concen: 1.437 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008498.D

Acq: 27 Mar 2019 21:16

Tgt Ion: 119 Resp: 14249

Ion Ratio Lower Upper

119 100

134 26.3 0.0 55.4

91 24.7 0.0 45.0

