

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008497.D
 Acq On : 27 Mar 2019 20:53
 Operator : JC/SP
 Sample : K2103-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Mar 28 10:15:19 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	5.01	128	35258	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	206614	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	176217	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	89756	30.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.43%
60) 4-Bromofluorobenzene	11.13	95	88081	28.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.63%
63) Toluene-d8	8.71	98	256738	30.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.30%

Target Compounds

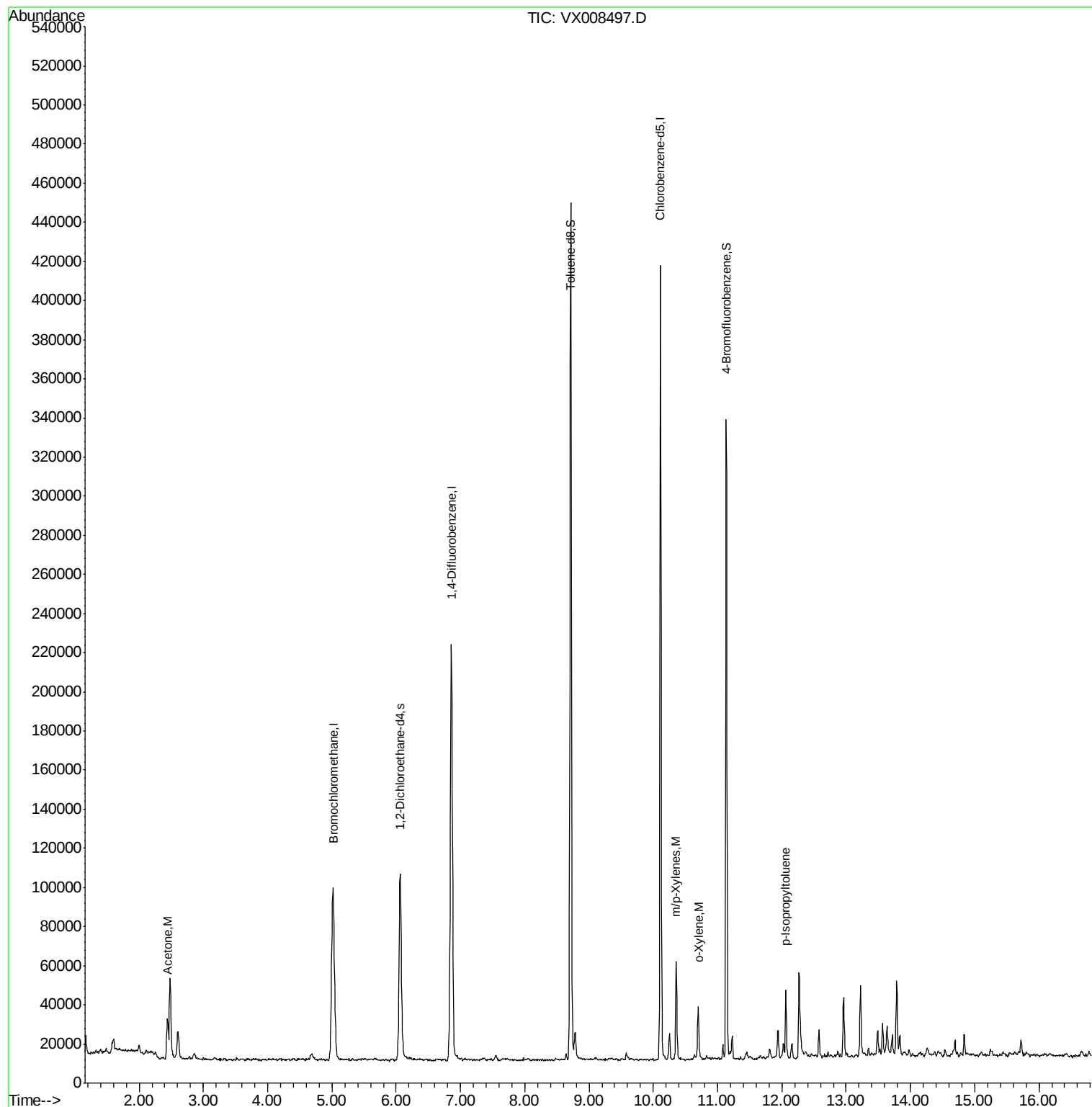
					Ovalue
15) Acetone	2.44	58	6801	13.182	ug/l 98
67) m/p-Xylenes	10.35	106	11593	2.684	ug/l 90
68) o-Xylene	10.70	106	5441	1.287	ug/l 94
82) p-Isopropyltoluene	12.06	119	14368	1.475	ug/l 95

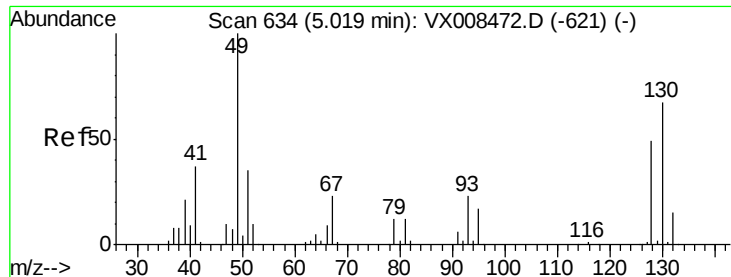
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008497.D

Acq: 27 Mar 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

MH-C05-SETTLED-3H-A

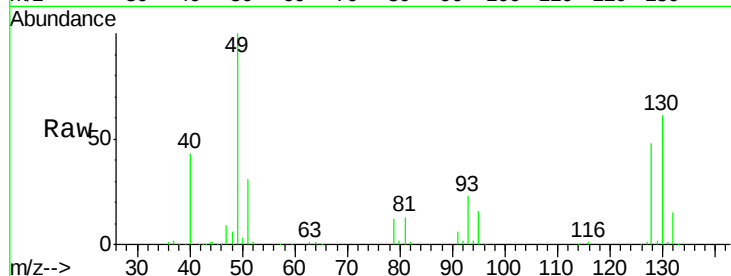
Tot Ion:128 Resp: 35258

Ion Ratio Lower Upper

128 100

49 206.6 0.0 350.8

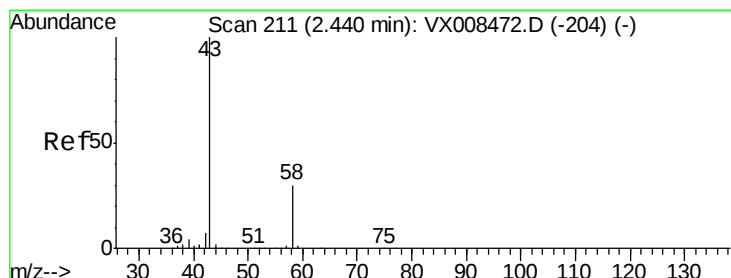
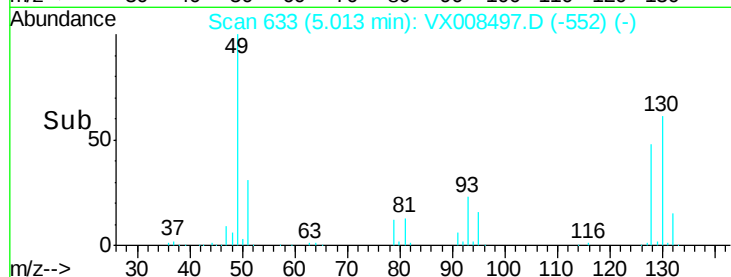
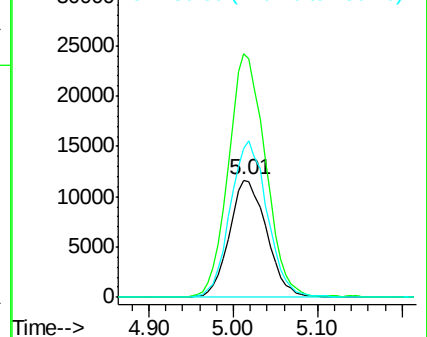
130 131.8 0.0 325.8



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: 13.182 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX008497.D

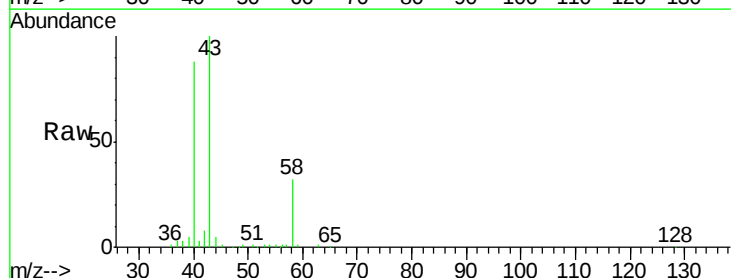
Acq: 27 Mar 2019 20:53

Tgt Ion: 58 Resp: 6801

Ion Ratio Lower Upper

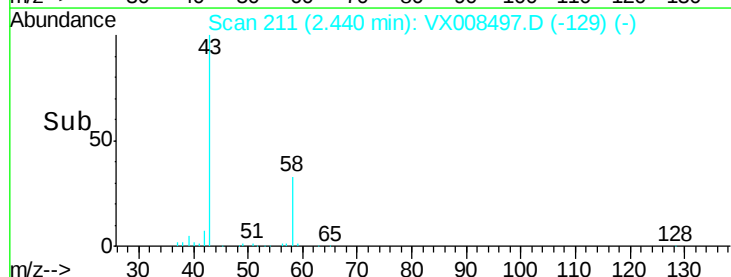
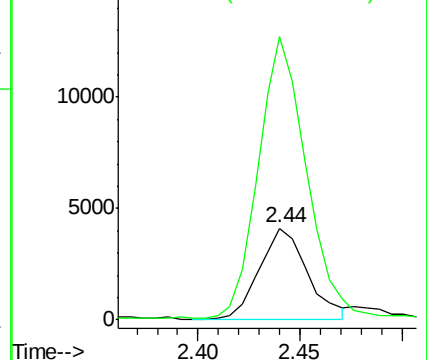
58 100

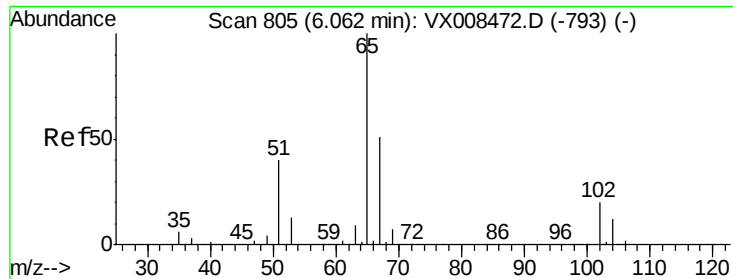
43 307.2 249.8 374.6



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: 30.431 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008497.D

Acq: 27 Mar 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

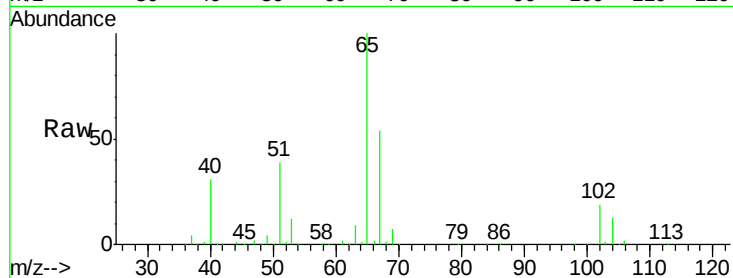
MH-C05-SETTLED-3H-A

Tot Ion: 65 Resp: 89756

Ion Ratio Lower Upper

65 100

67 54.2 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

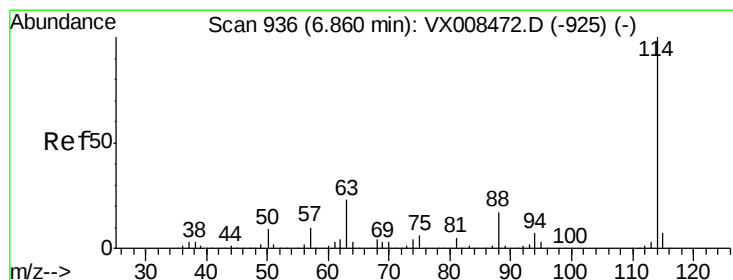
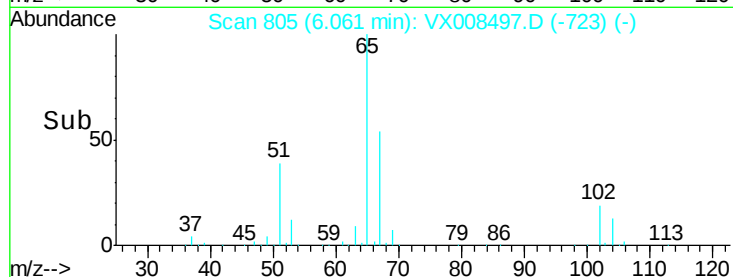
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008497.D

Acq: 27 Mar 2019 20:53

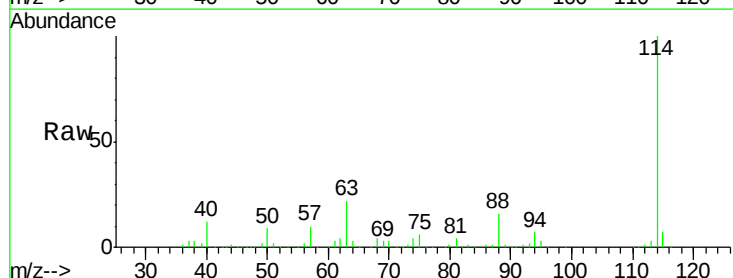
Tgt Ion: 114 Resp: 206614

Ion Ratio Lower Upper

114 100

63 23.0 14.2 21.4#

88 16.8 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

6.86

120000

100000

80000

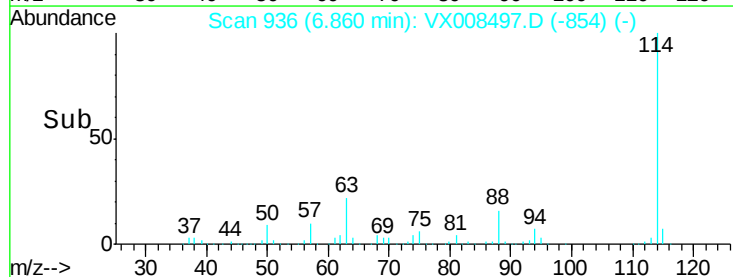
60000

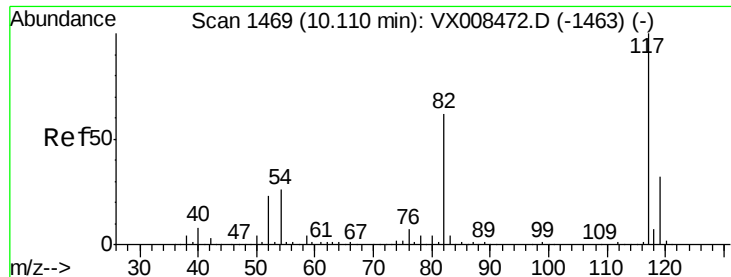
40000

20000

0

Time-->

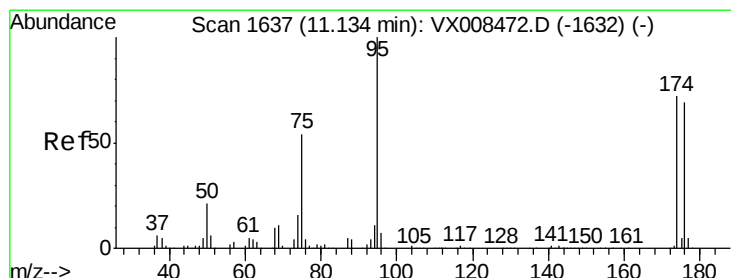
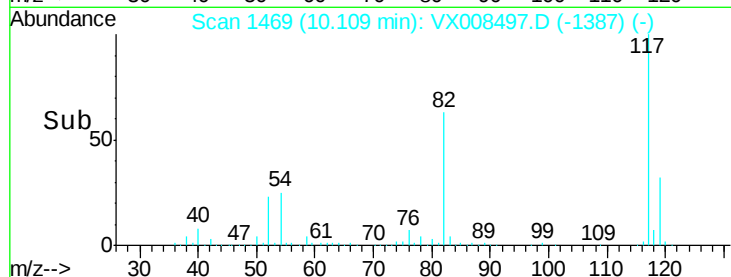
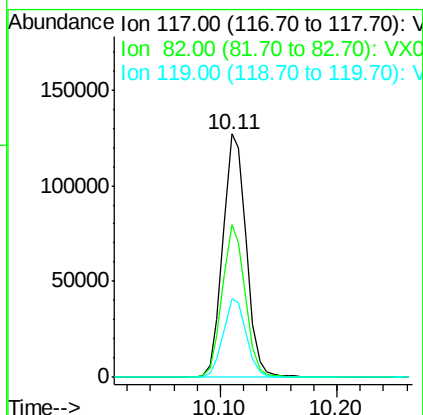
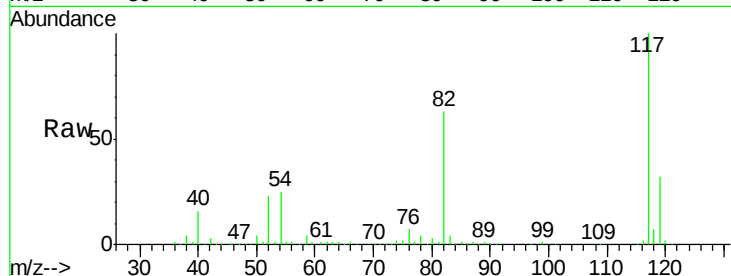




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008497.D
Acq: 27 Mar 2019 20:53

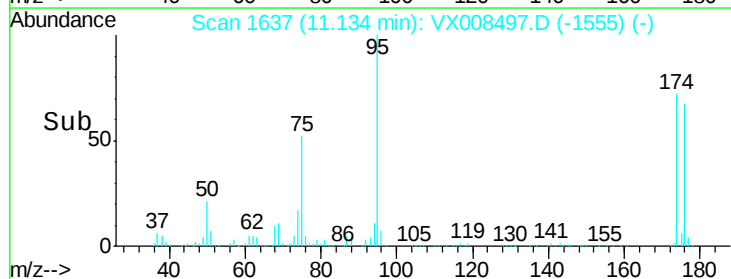
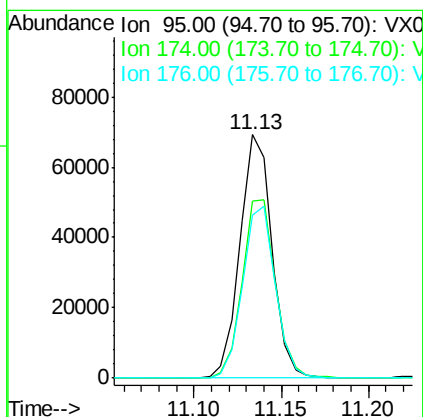
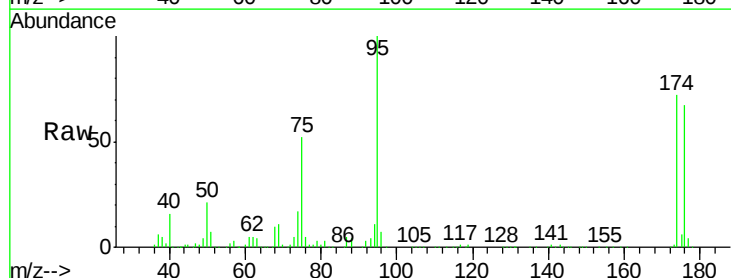
Instrument :
MSVOA_X
ClientSampleId :
MH-C05-SETTLED-3H-A

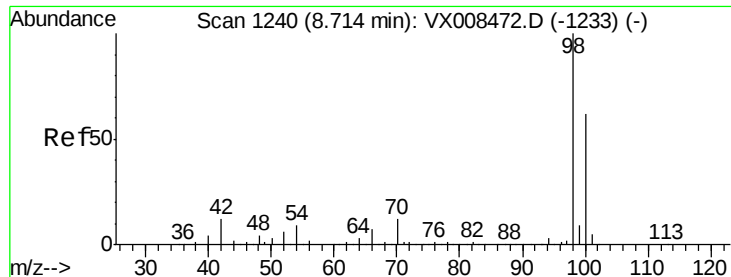
Tot Ion:117 Resp: 176217
Ion Ratio Lower Upper
117 100
82 61.1 40.4 60.6#
119 32.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 28.688 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008497.D
Acq: 27 Mar 2019 20:53

Tgt Ion: 95 Resp: 88081
Ion Ratio Lower Upper
95 100
174 76.0 74.9 112.3
176 72.3 70.7 106.1





#63

Toluene-d8

Concen: 30.693 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008497.D

Acq: 27 Mar 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

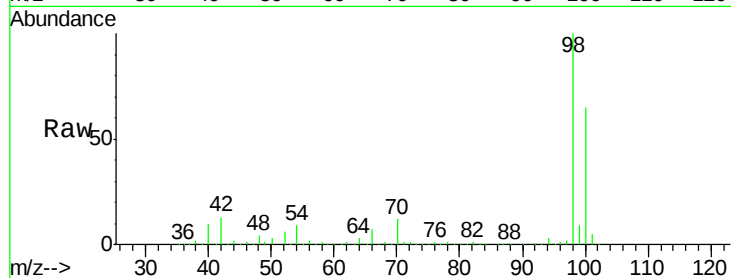
MH-C05-SETTLED-3H-A

Tot Ion: 98 Resp: 256738

Ion Ratio Lower Upper

98 100

100 64.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX008472.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008472.D (-1233) (-)

8.71

150000

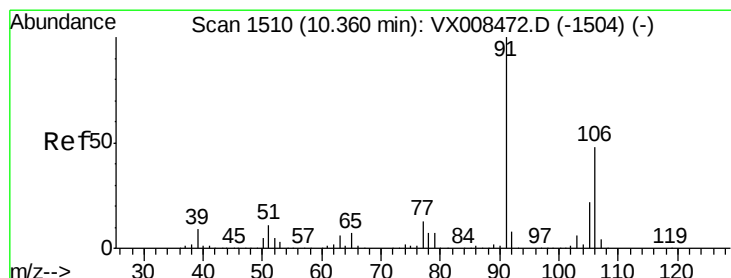
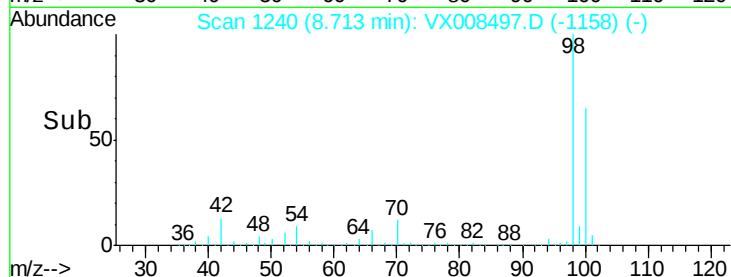
100000

50000

0

8.65 8.70 8.75 8.80

Time-->



#67

m/p-Xylenes

Concen: 2.684 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008497.D

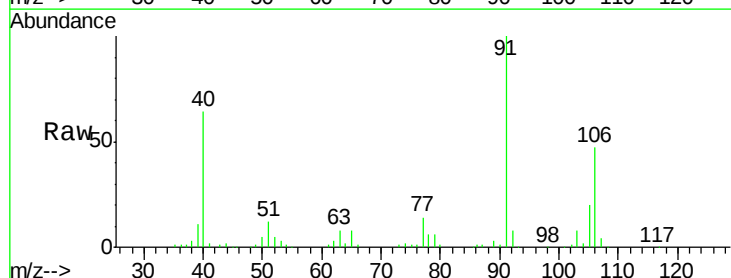
Acq: 27 Mar 2019 20:53

Tgt Ion: 106 Resp: 11593

Ion Ratio Lower Upper

106 100

91 211.1 157.0 235.4



Abundance Ion 106.00 (105.70 to 106.70): VX008472.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX008472.D (-1504) (-)

20000

15000

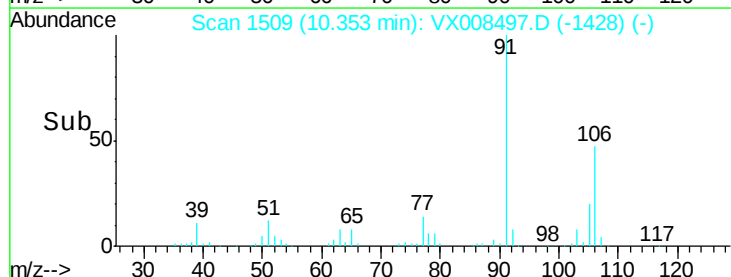
10000

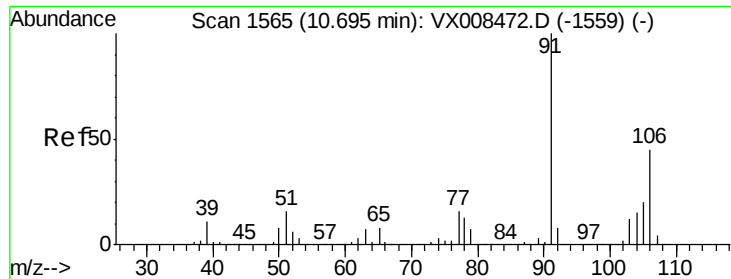
5000

0

10.30 10.35 10.40

Time-->

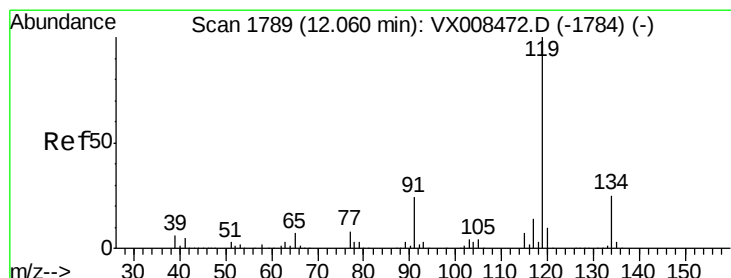
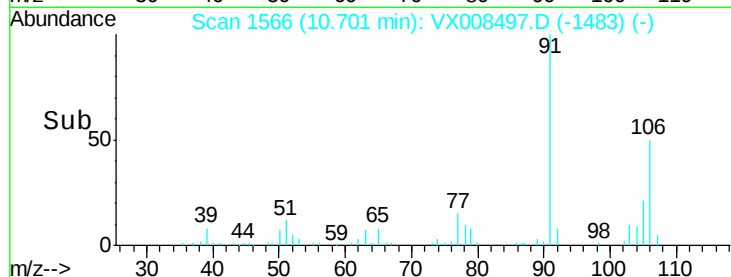
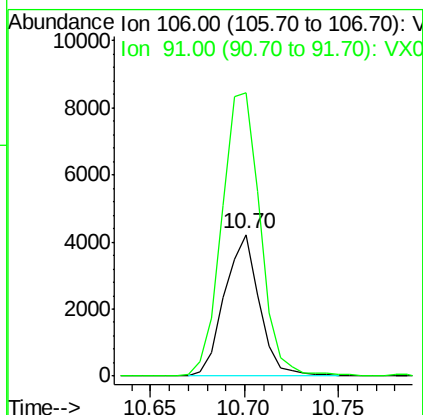
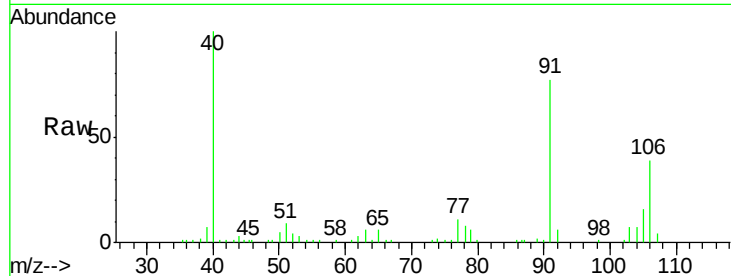




#68
o-Xylene
Concen: 1.287 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX008497.D
Acq: 27 Mar 2019 20:53

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

Tot Ion:106 Resp: 5441
Ion Ratio Lower Upper
106 100
91 218.1 104.4 313.2



#82
p-Isopropyltoluene
Concen: 1.475 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX008497.D
Acq: 27 Mar 2019 20:53

Tgt Ion:119 Resp: 14368
Ion Ratio Lower Upper
119 100
134 25.9 0.0 55.4
91 26.2 0.0 45.0

