

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007932.D
 Acq On : 08 Mar 2019 15:36
 Operator : JC/SP
 Sample : K1810-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-3

Quant Time: Mar 09 04:37:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	43981	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	228452	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	197454	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	87624	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	11.13	95	88838	28.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.97%
63) Toluene-d8	8.71	98	268040	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

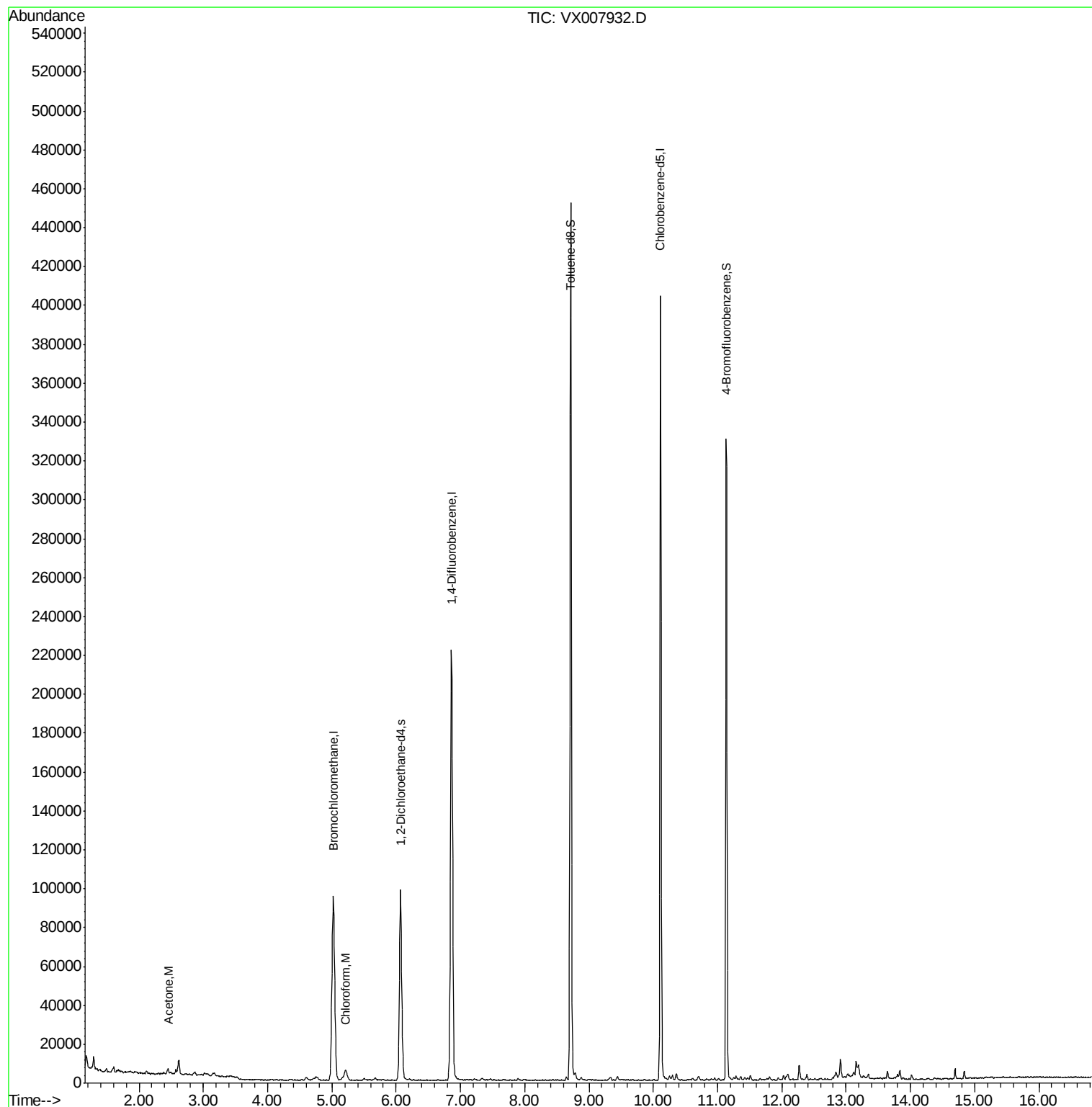
					Ovalue
15) Acetone	2.45	58	1217	1.967 ug/l	88
25) Chloroform	5.21	83	6145	1.251 ug/l	99

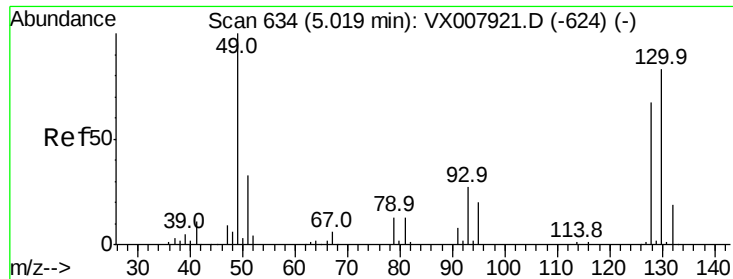
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 12:01:36 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007932.D

Acq: 08 Mar 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

55-ST-3

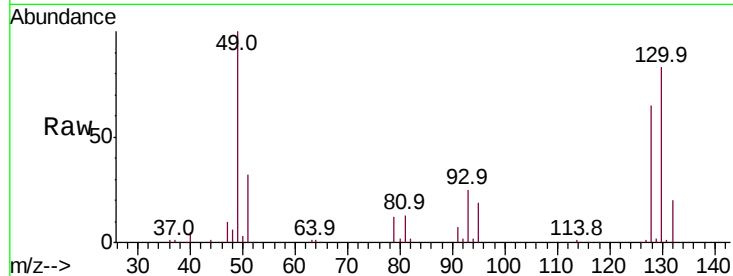
Tot Ion:128 Resp: 43981

Ion Ratio Lower Upper

128 100

49 156.0 0.0 350.8

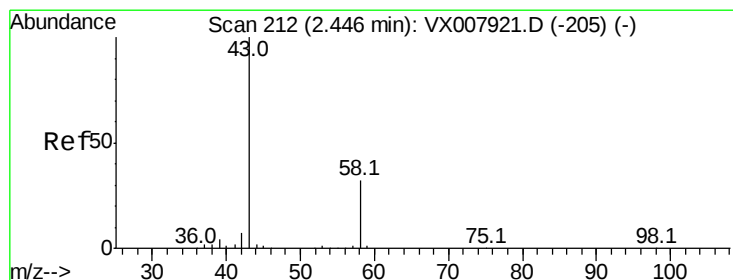
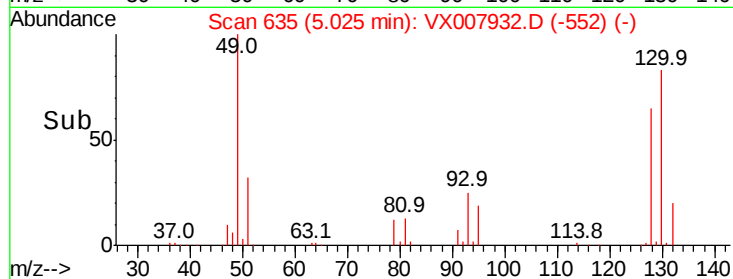
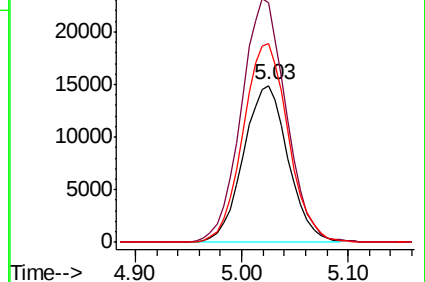
130 128.3 0.0 325.8



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: 1.967 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007932.D

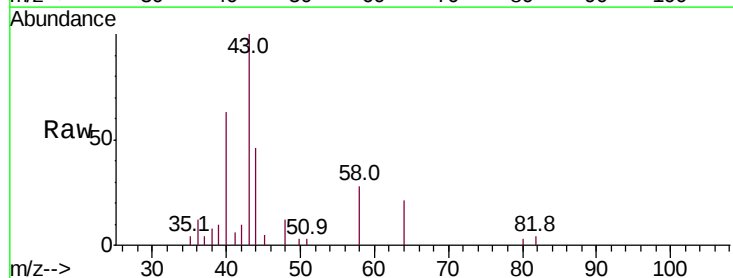
Acq: 08 Mar 2019 15:36

Tgt Ion: 58 Resp: 1217

Ion Ratio Lower Upper

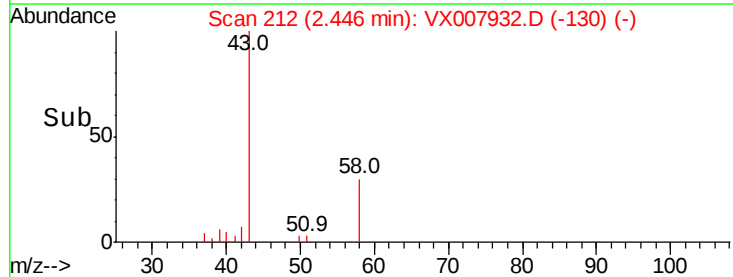
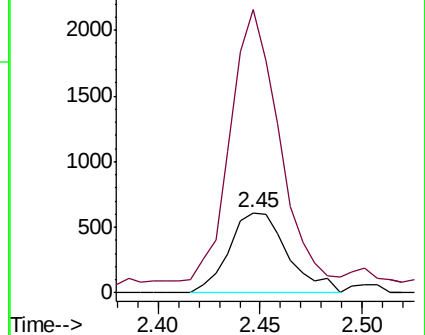
58 100

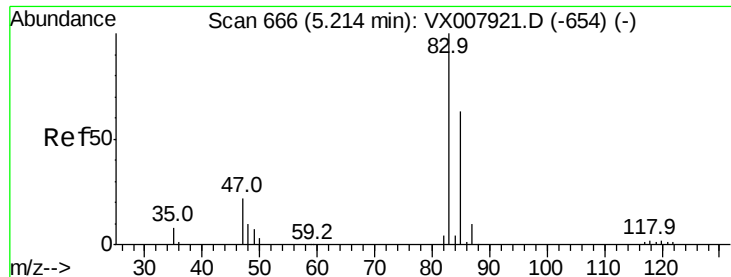
43 336.2 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





#25

Chloroform

Concen: 1.251 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007932.D

Acq: 08 Mar 2019 15:36

Instrument :

MSVOA_X

ClientSampled :

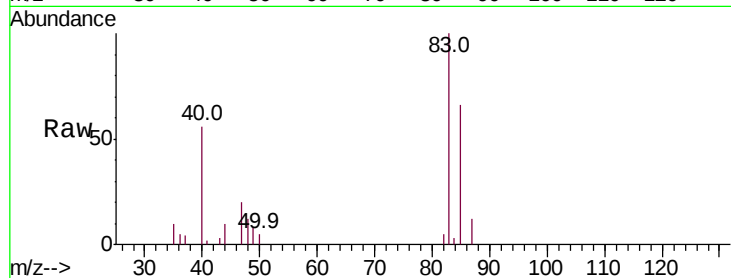
55-ST-3

Tot Ion: 83 Resp: 6145

Ion Ratio Lower Upper

83 100

85 66.4 53.8 80.6



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

2500

2000

1500

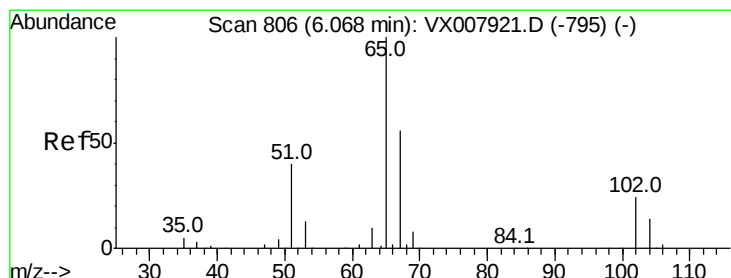
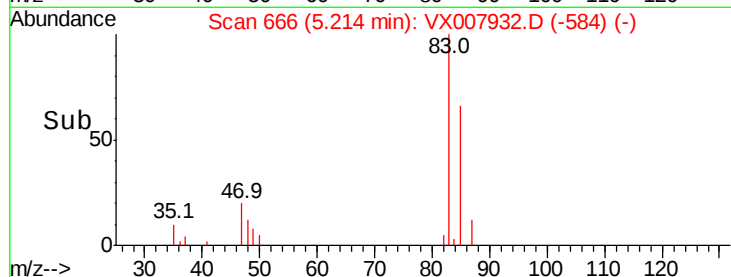
1000

500

0

Time--> 5.10 5.15 5.20 5.25 5.30

5.21



#27

1,2-Dichloroethane-d4

Concen: 30.311 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007932.D

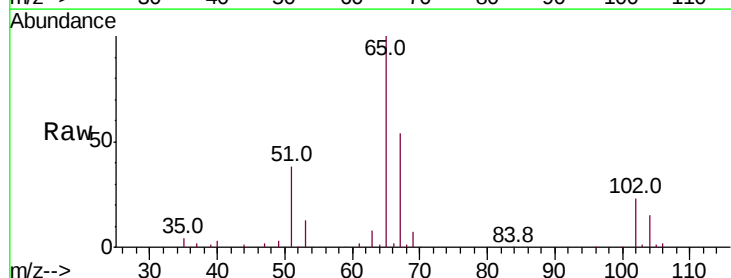
Acq: 08 Mar 2019 15:36

Tgt Ion: 65 Resp: 87624

Ion Ratio Lower Upper

65 100

67 54.7 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

40000

30000

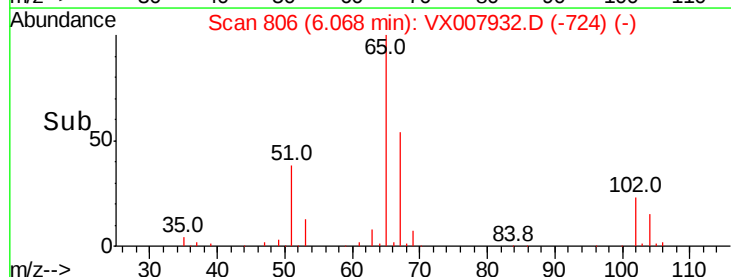
20000

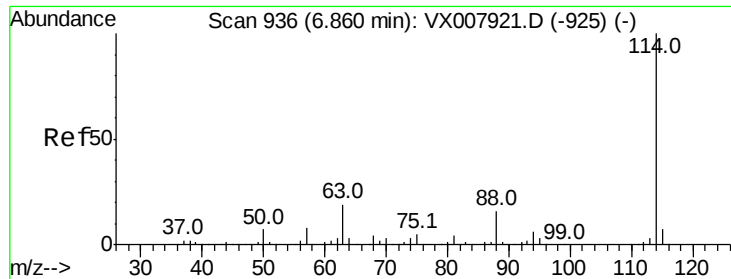
10000

0

Time--> 6.00 6.10 6.20

6.07

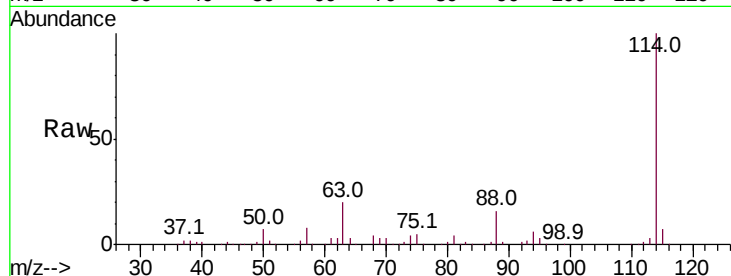




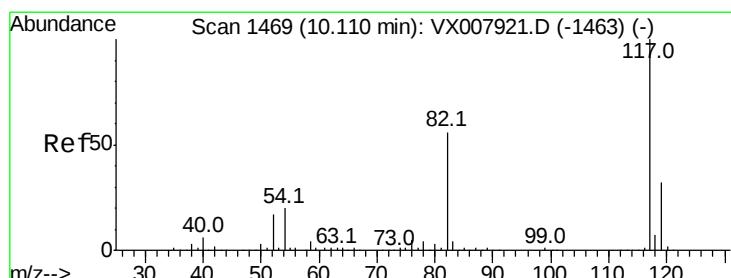
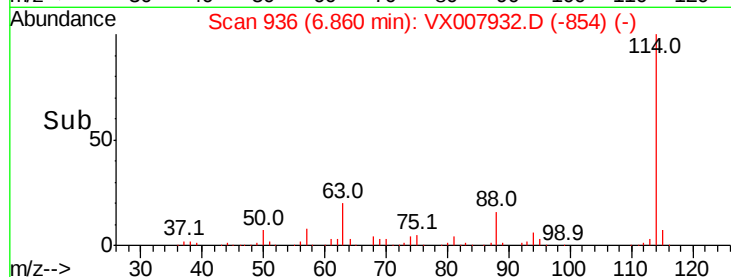
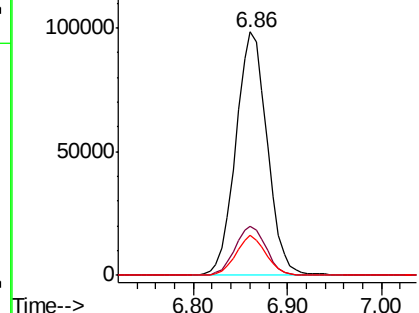
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007932.D
 Acq: 08 Mar 2019 15:36

Instrument :
 MSVOA_X
 ClientSampled :
 55-ST-3

Tot Ion:114 Resp: 228452
 Ion Ratio Lower Upper
 114 100
 63 20.1 14.2 21.4
 88 15.6 11.9 17.9

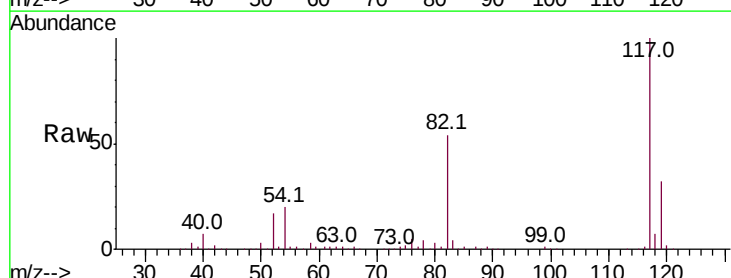


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 88.00 (87.70 to 88.70): VX0

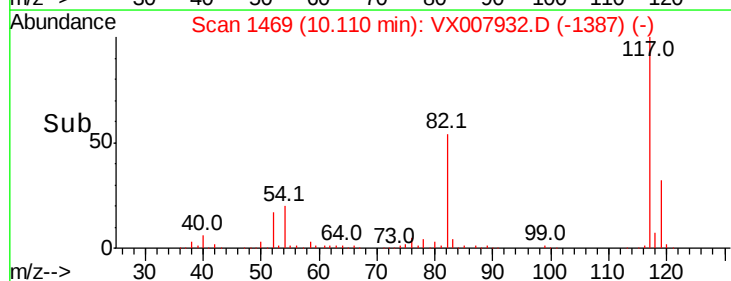
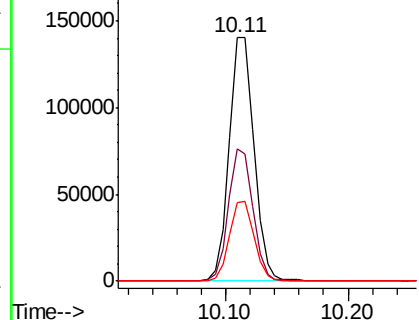


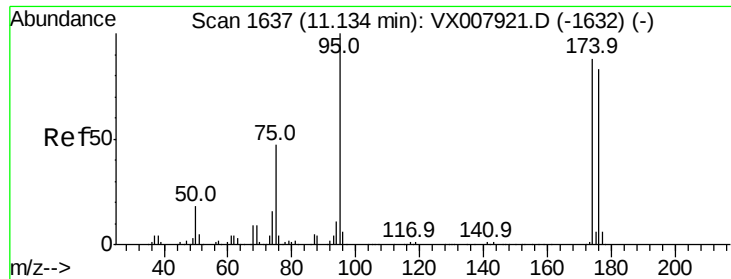
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VX007932.D
 Acq: 08 Mar 2019 15:36

Tgt Ion:117 Resp: 197454
 Ion Ratio Lower Upper
 117 100
 82 53.5 40.4 60.6
 119 32.3 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VX0
 Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.188 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007932.D

Acq: 08 Mar 2019 15:36

Instrument :

MSVOA_X

ClientSampleId :

55-ST-3

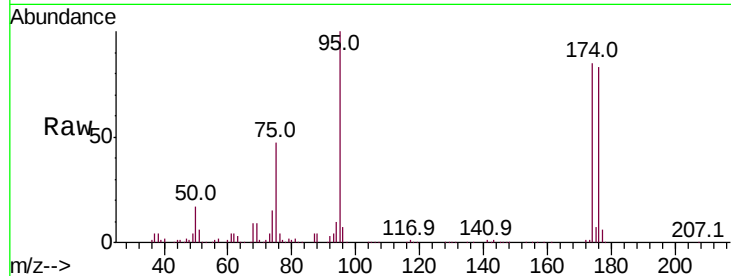
Tot Ion: 95 Resp: 88838

Ion Ratio Lower Upper

95 100

174 91.5 74.9 112.3

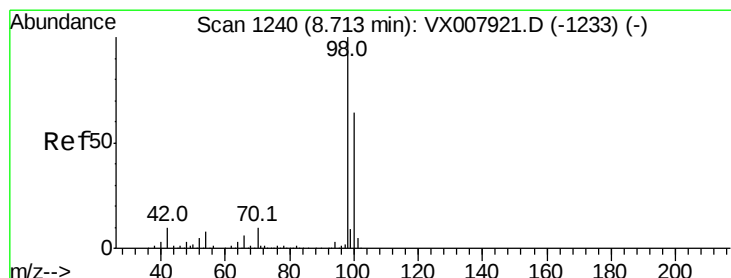
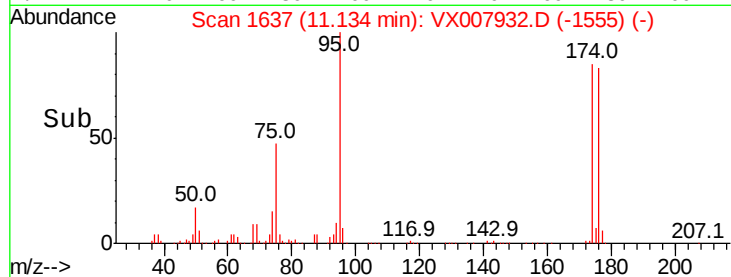
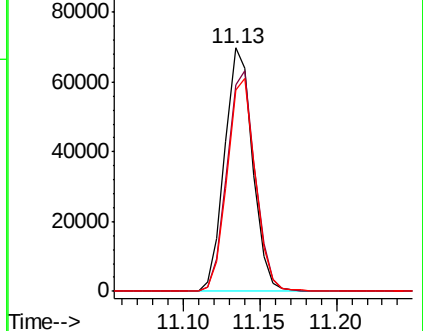
176 88.2 70.7 106.1



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: 29.663 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007932.D

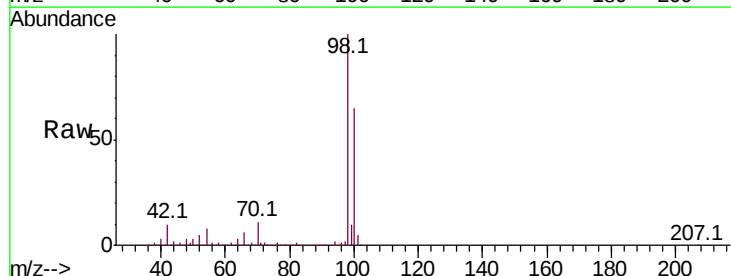
Acq: 08 Mar 2019 15:36

Tgt Ion: 98 Resp: 268040

Ion Ratio Lower Upper

98 100

100 65.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

