

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020819\
 Data File : VX007436.D
 Acq On : 08 Feb 2019 12:27
 Operator : JC/SP
 Sample : VX0208WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBL02

Quant Time: Feb 08 12:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	79544	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	420926	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	369661	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	158723	30.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.33%
60) 4-Bromofluorobenzene	11.13	95	156136	27.37	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.23%
63) Toluene-d8	8.71	98	488880	29.34	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.80%

Target Compounds

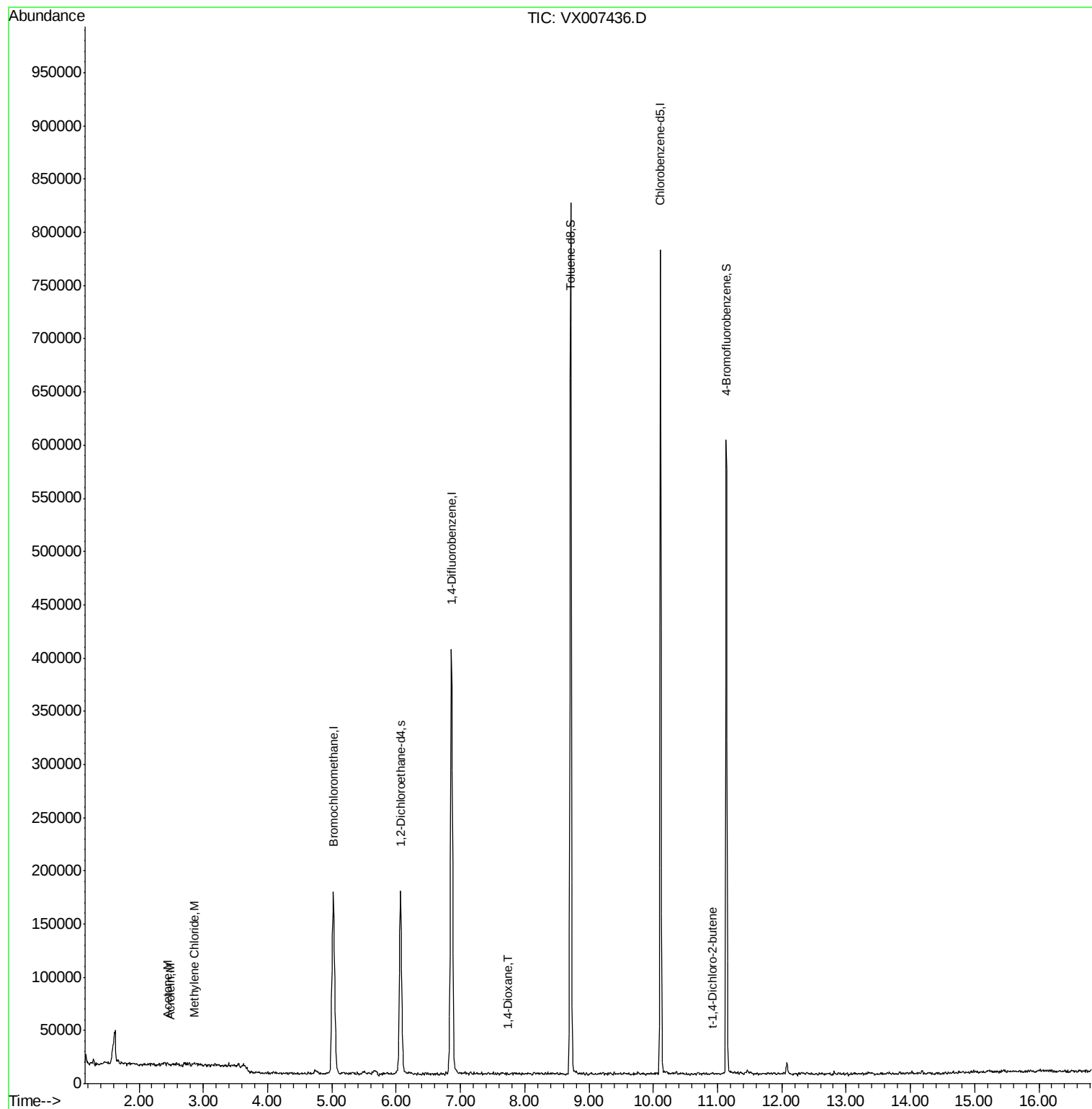
					Qvalue
13) Acrolein	2.48	56	273	0.539 ug/l	91
15) Acetone	2.45	58	299	0.402 ug/l #	6
18) Methylene Chloride	2.85	84	1133	0.239 ug/l #	83
45) 1,4-Dioxane	7.74	88	175	1.511 ug/l #	1
77) t-1,4-Dichloro-2-butene	10.93	75	372	0.206 ug/l	72

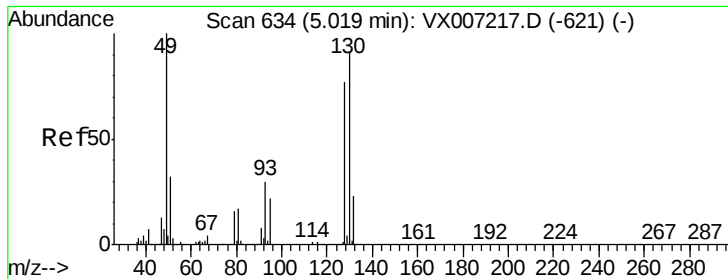
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X012519W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 28 10:35:22 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: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBL02

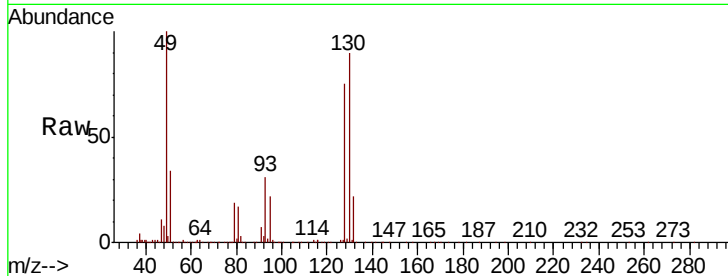
Tgt Ion:128 Resp: 79544

Ion Ratio Lower Upper

128 100

49 135.9 0.0 345.5

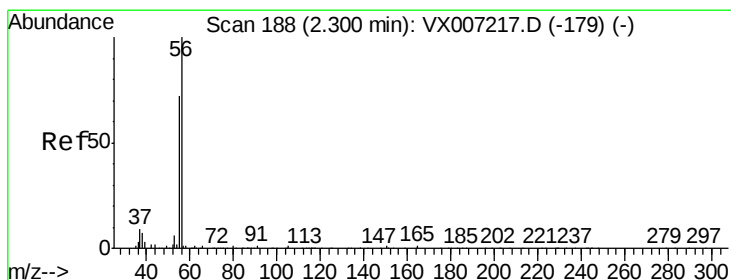
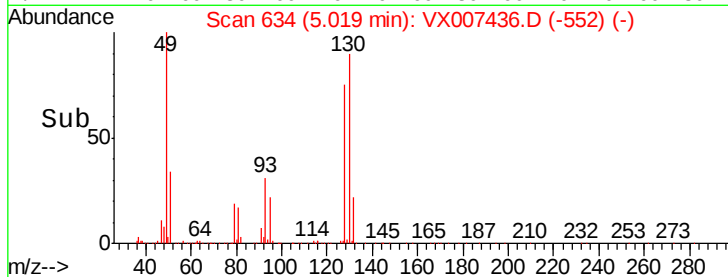
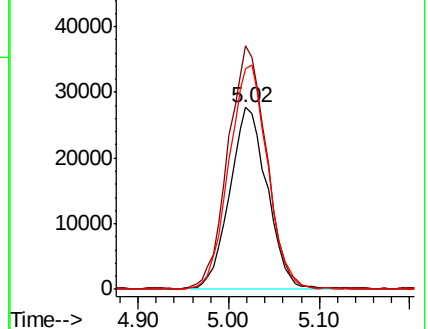
130 127.1 0.0 320.0



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



#13

Acrolein

Concen: 0.539 ug/l

RT: 2.48 min Scan# 218

Delta R.T. 0.18 min

Lab File: VX007436.D

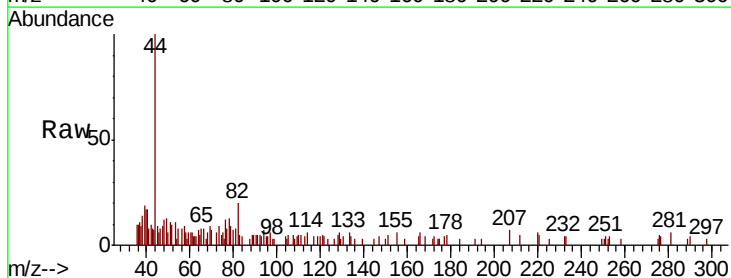
Acq: 08 Feb 2019 12:27

Tgt Ion: 56 Resp: 273

Ion Ratio Lower Upper

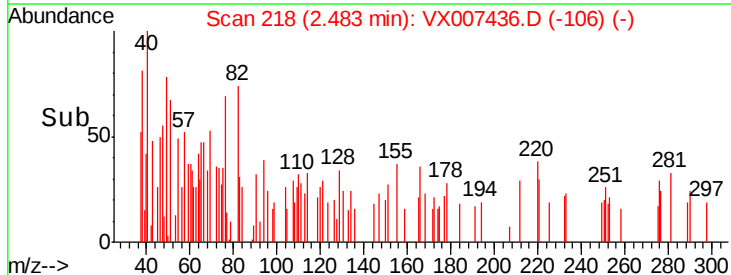
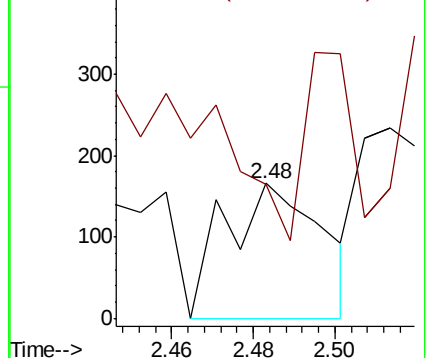
56 100

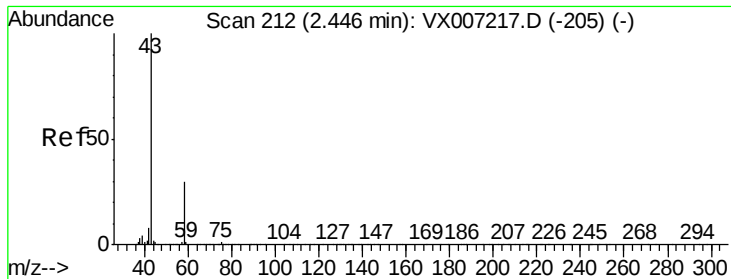
55 65.9 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 0.402 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

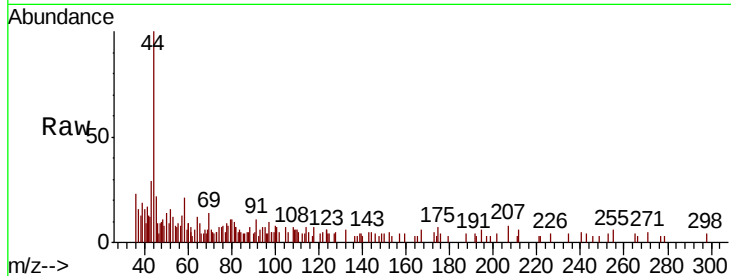
VX0208WBL02

Tgt Ion: 58 Resp: 299

Ion Ratio Lower Upper

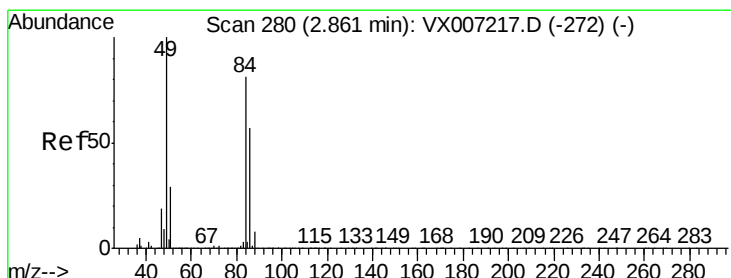
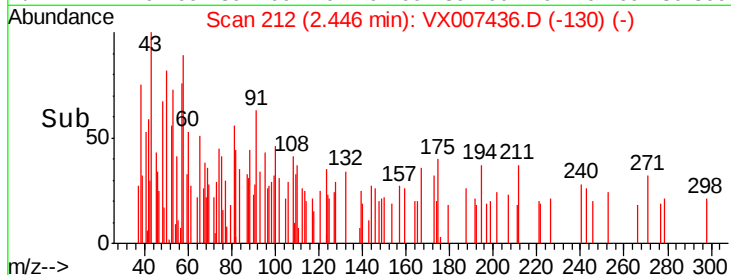
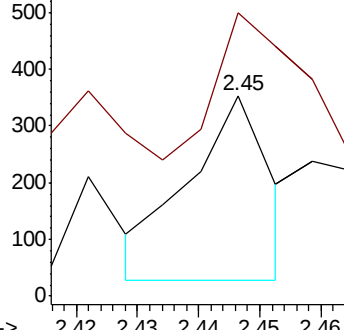
58 100

43 135.9 265.9 398.9#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.239 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Tgt Ion: 84 Resp: 1133

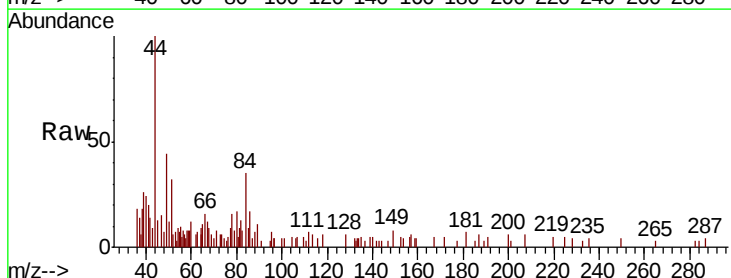
Ion Ratio Lower Upper

84 100

49 123.9 98.4 147.6

51 75.5 28.9 43.3#

86 53.7 56.1 84.1#

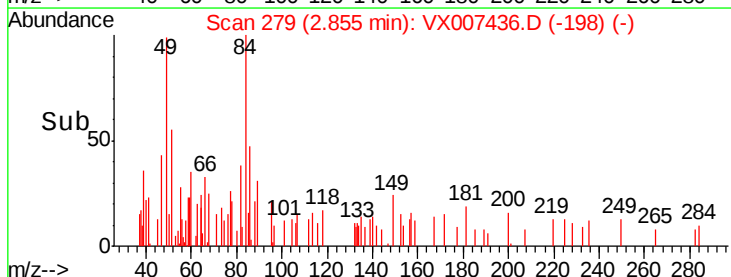
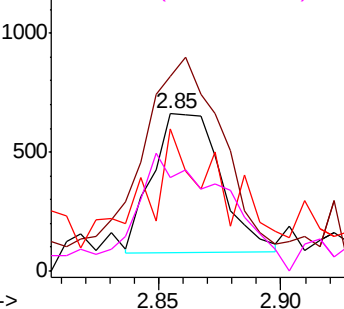


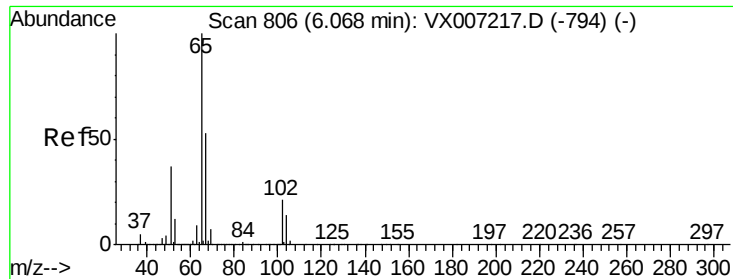
Abundance Ion 84.00 (83.70 to 84.70): VX0

Ion 49.00 (48.70 to 49.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

Ion 86.00 (85.70 to 86.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.398 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

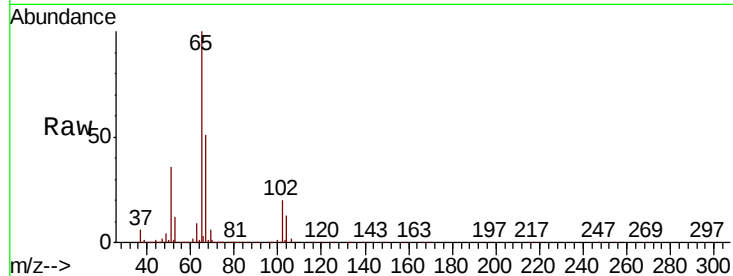
VX0208WBL02

Tgt Ion: 65 Resp: 158723

Ion Ratio Lower Upper

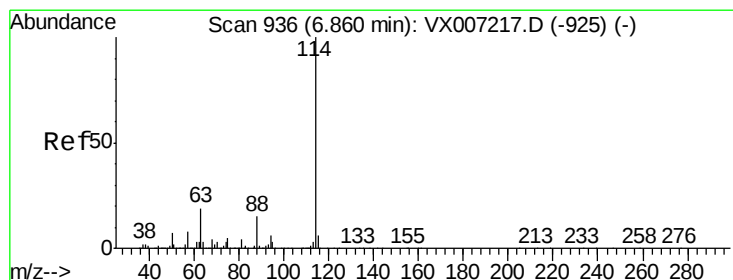
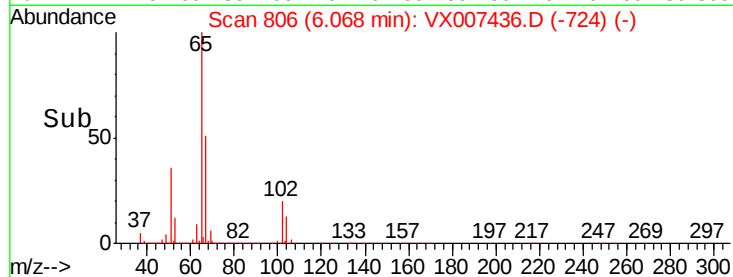
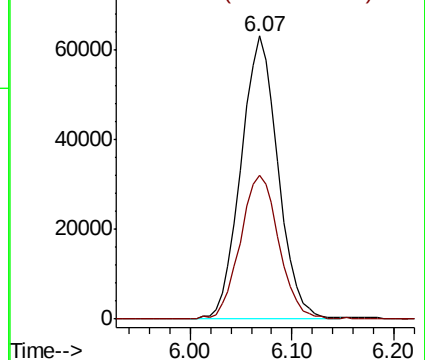
65 100

67 53.0 42.0 63.0



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: VX007436.D

Acq: 08 Feb 2019 12:27

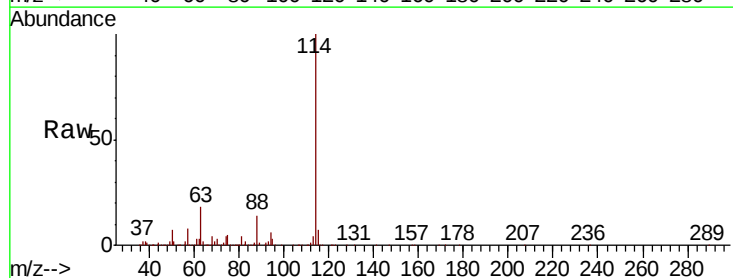
Tgt Ion: 114 Resp: 420926

Ion Ratio Lower Upper

114 100

63 17.9 14.6 21.8

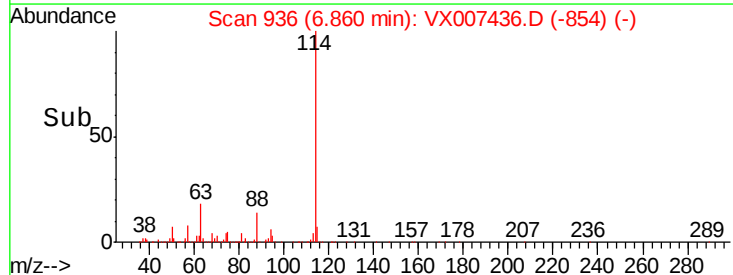
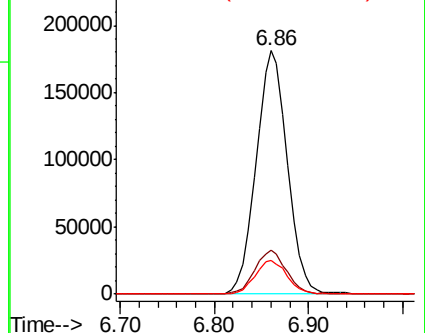
88 14.2 11.8 17.6

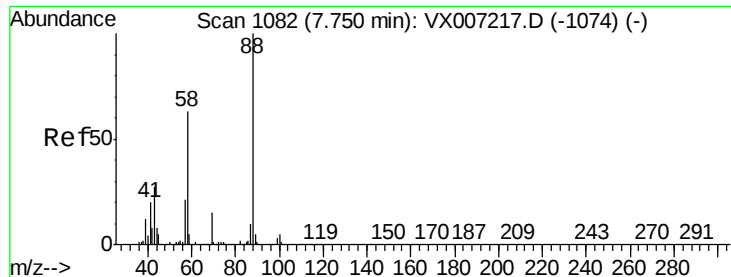


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 1.511 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampled :

VX0208WBL02

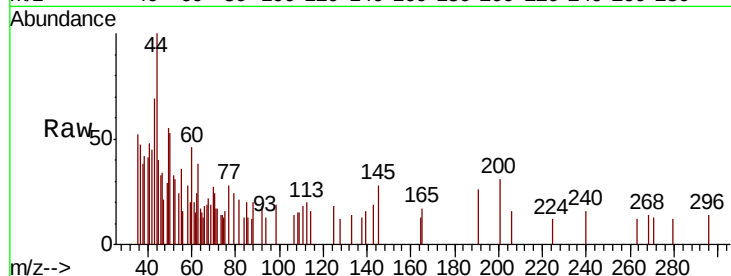
Tgt Ion: 88 Resp: 175

Ion Ratio Lower Upper

88 100

43 109.1 23.5 35.3#

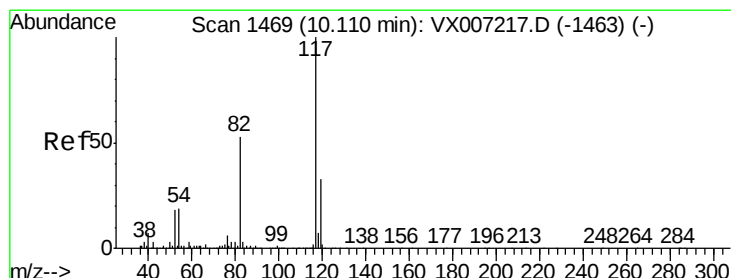
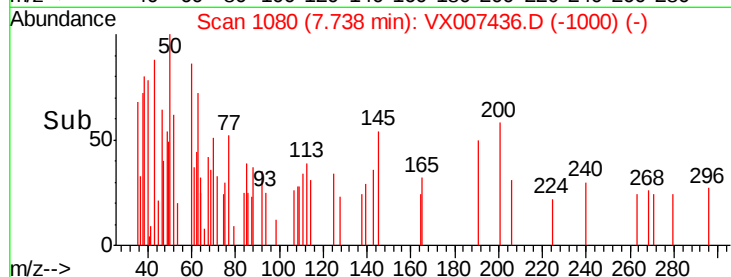
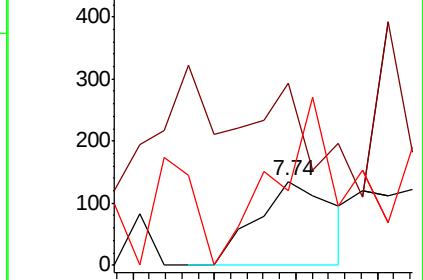
58 193.1 51.6 77.4#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

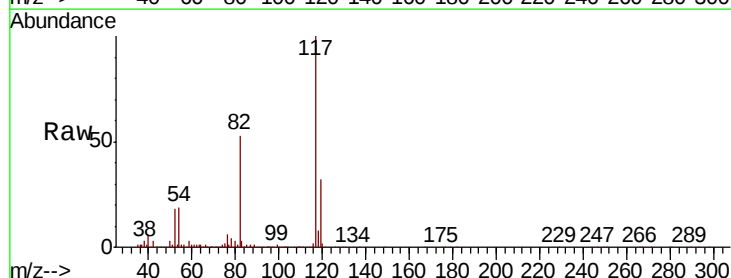
Tgt Ion: 117 Resp: 369661

Ion Ratio Lower Upper

117 100

82 51.3 41.4 62.0

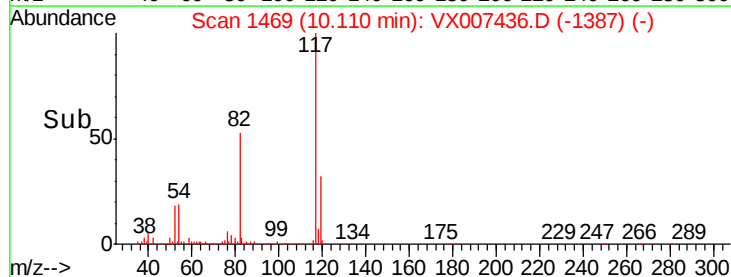
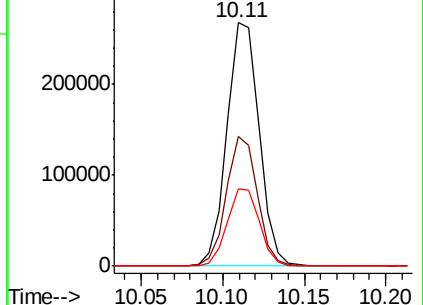
119 31.6 25.7 38.5

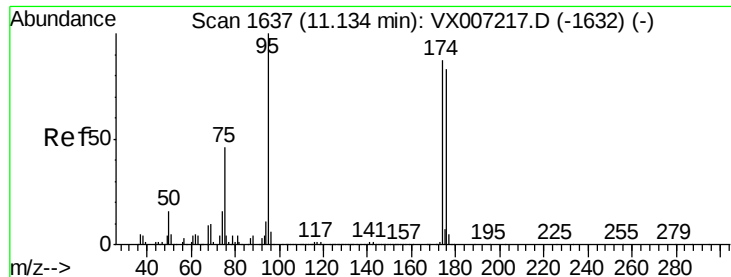


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 27.366 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007436.D

Acq: 08 Feb 2019 12:27

Instrument :

MSVOA_X

ClientSampleId :

VX0208WBL02

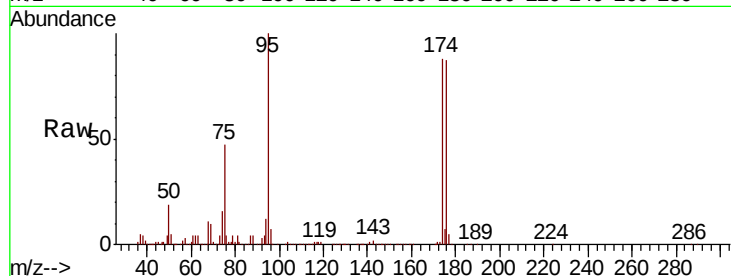
Tgt Ion: 95 Resp: 156136

Ion Ratio Lower Upper

95 100

174 92.2 74.8 112.2

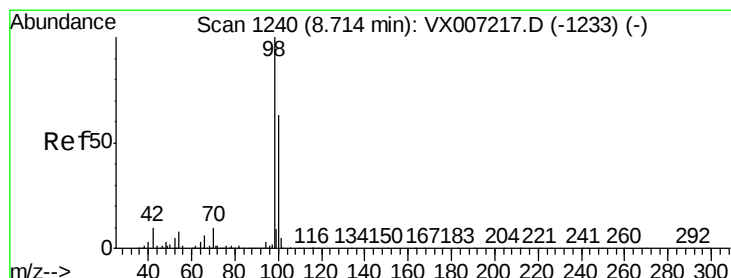
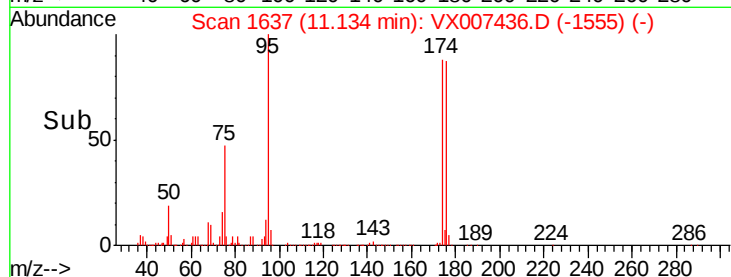
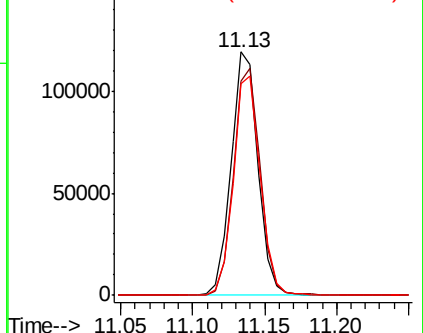
176 89.5 72.5 108.7



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: 29.340 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007436.D

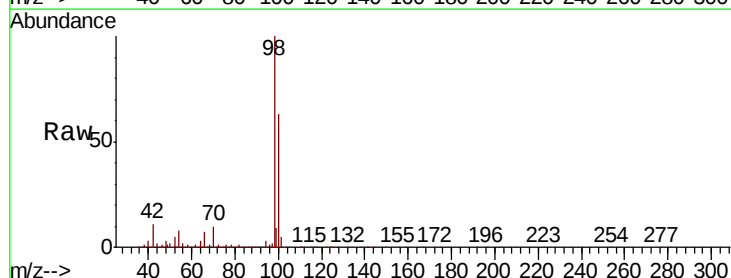
Acq: 08 Feb 2019 12:27

Tgt Ion: 98 Resp: 488880

Ion Ratio Lower Upper

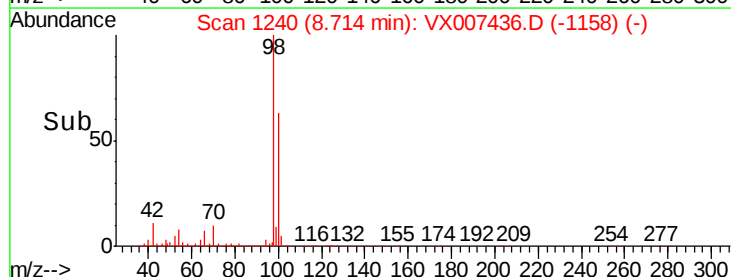
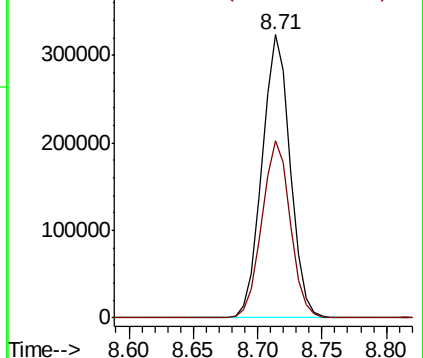
98 100

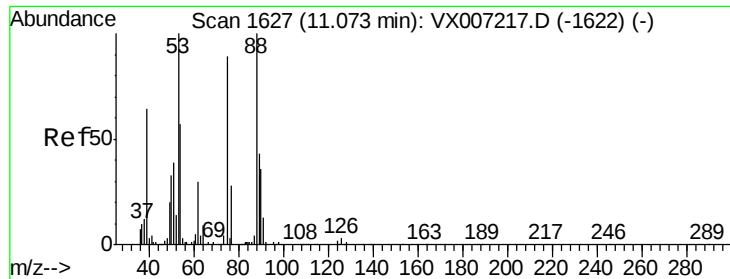
100 63.2 49.9 74.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
 t-1,4-Dichloro-2-butene
 Concen: 0.206 ug/l
 RT: 10.93 min Scan# 1603
 Delta R.T. -0.15 min
 Lab File: VX007436.D
 Acq: 08 Feb 2019 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0208WBL02

Tgt Ion: 75 Resp: 372
 Ion Ratio Lower Upper
 75 100
 53 80.0 55.9 167.6
 89 63.8 24.1 72.4

