

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013653.D
 Acq On : 27 Nov 2019 15:37
 Operator : JC/SP
 Sample : VX1127WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 00:34:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	120278	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	682115	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	594142	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	260697	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	11.13	95	271482	28.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.77%
63) Toluene-d8	8.71	98	811686	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

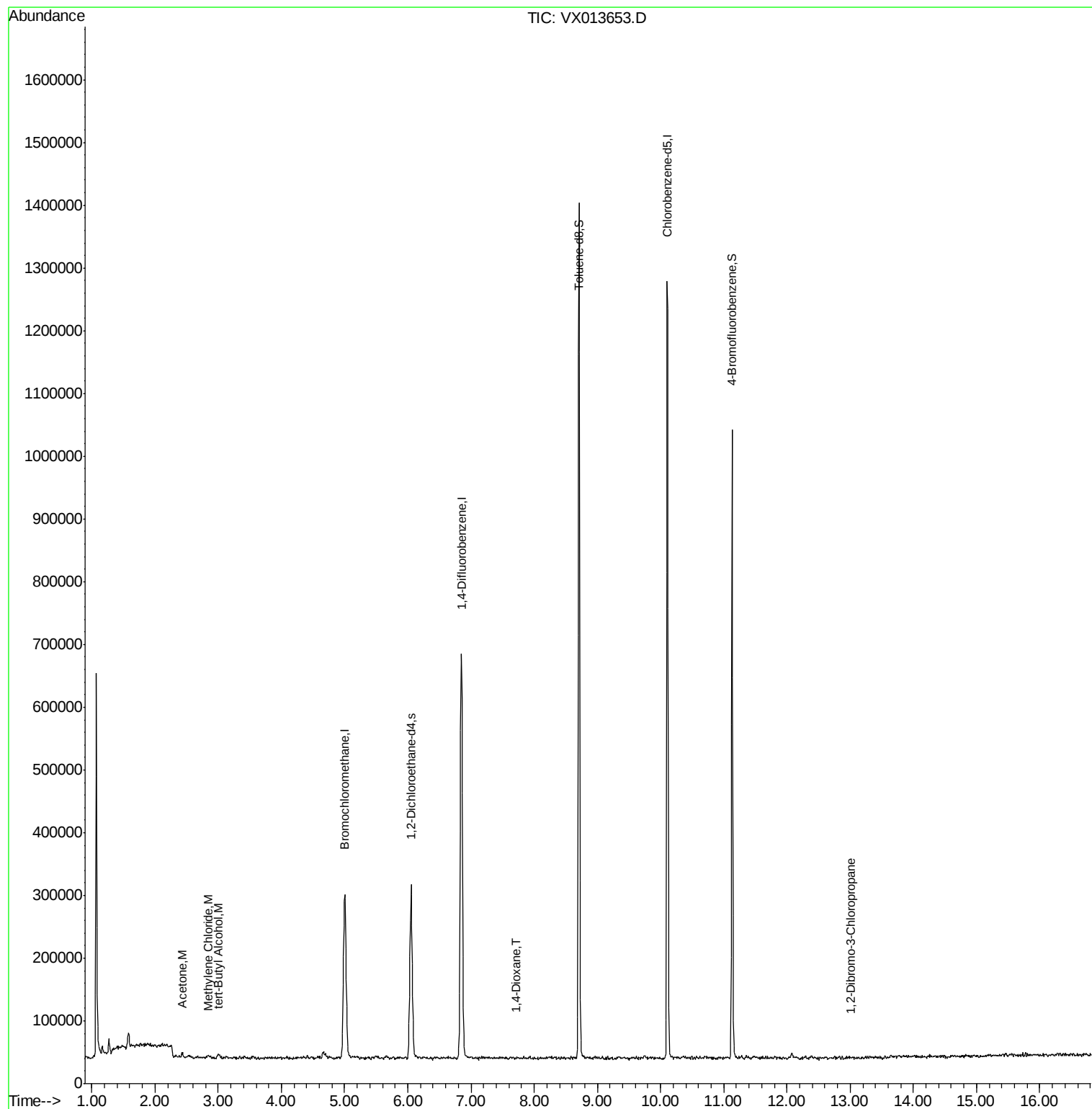
					Ovalue
15) Acetone	2.44	58	2085	1.438 ug/l	85
18) Methylene Chloride	2.85	84	2706	0.321 ug/l #	74
23) tert-Butyl Alcohol	3.01	59	4456	1.934 ug/l #	99
45) 1,4-Dioxane	7.72	88	157	0.705 ug/l #	1
88) 1,2-Dibromo-3-Chloropropan	13.01	75	630	0.221 ug/l #	43

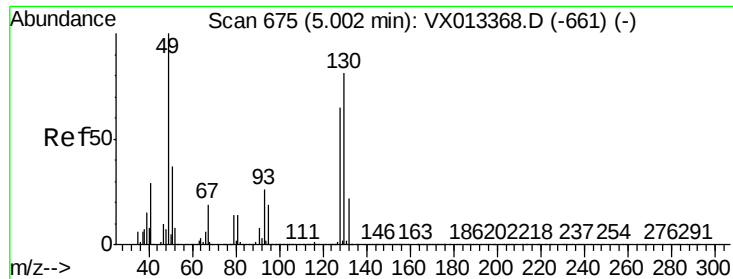
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. -0.00 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

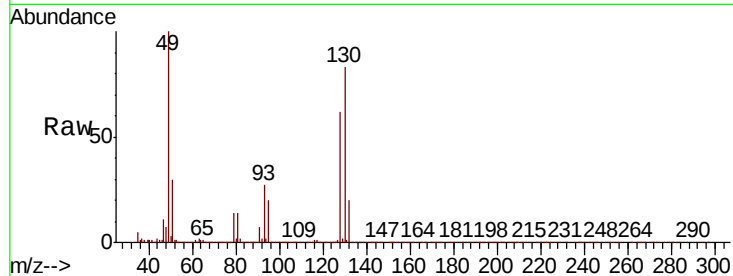
Tot Ion:128 Resp: 120278

Ion Ratio Lower Upper

128 100

49 156.8 0.0 388.3

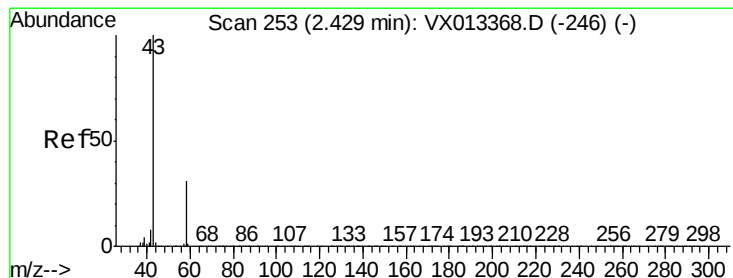
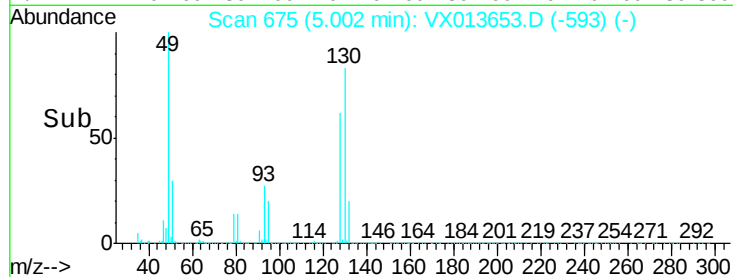
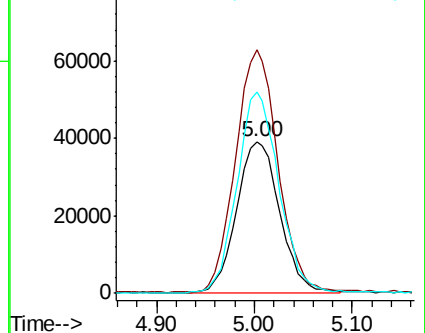
130 128.5 0.0 318.5



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: 1.438 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013653.D

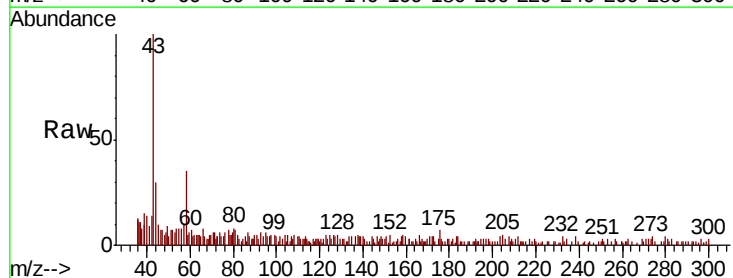
Acq: 27 Nov 2019 15:37

Tgt Ion: 58 Resp: 2085

Ion Ratio Lower Upper

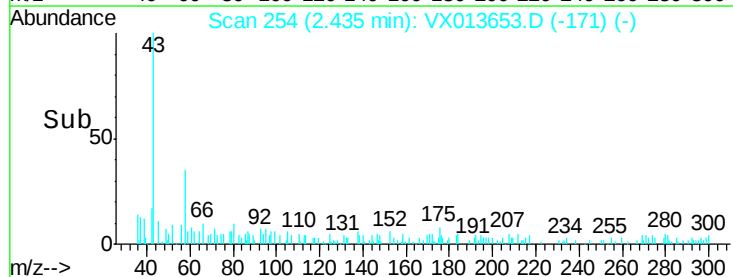
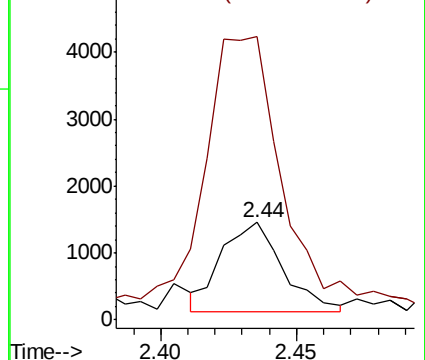
58 100

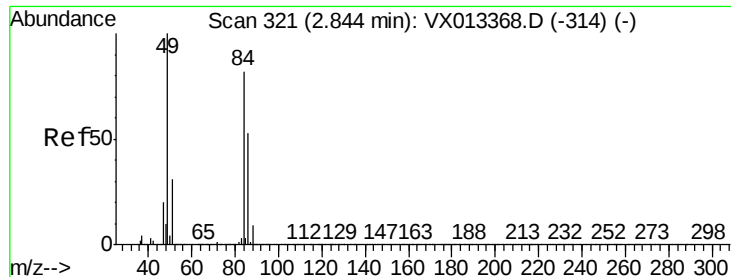
43 295.3 261.4 392.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

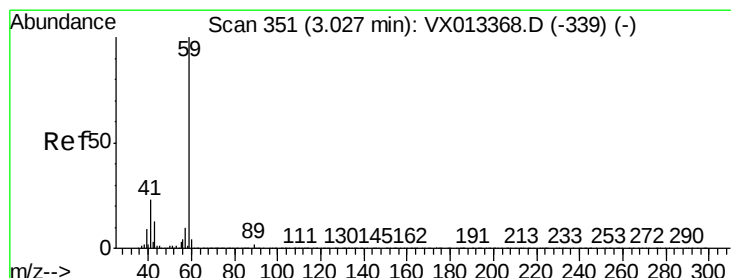
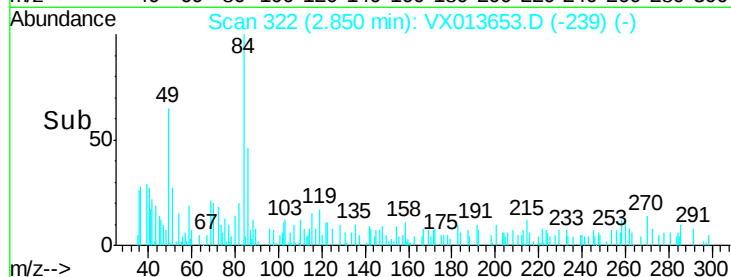
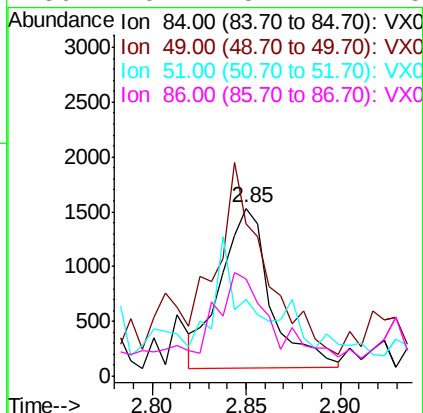
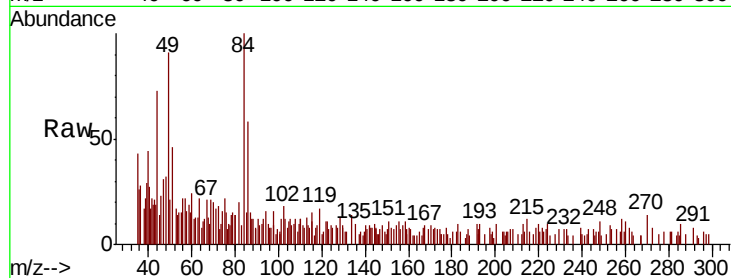




#18
Methylene Chloride
Concen: 0.321 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013653.D
Acq: 27 Nov 2019 15:37

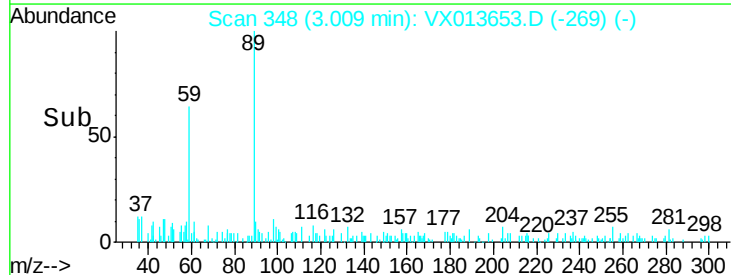
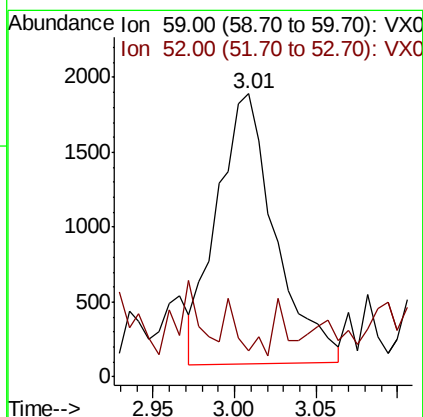
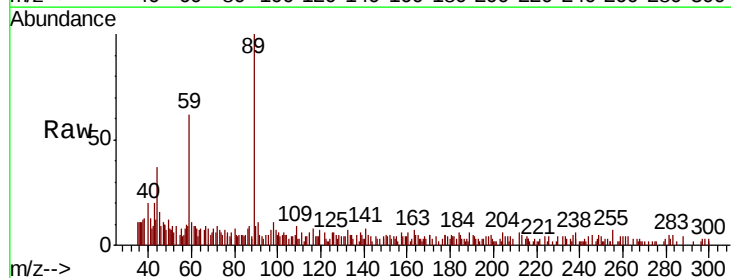
Instrument :
MSVOA_X
ClientSampleId :

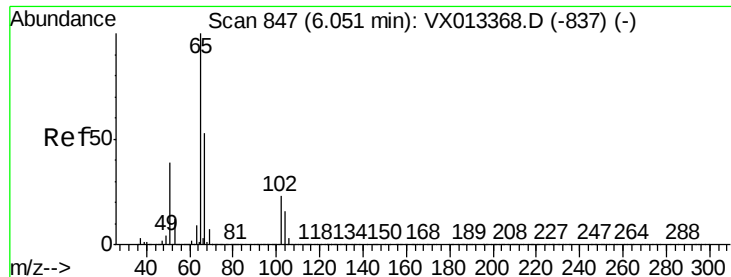
Tot Ion: 84 Resp: 2706
Ion Ratio Lower Upper
84 100
49 85.3 96.8 145.2#
51 30.7 30.0 45.0
86 46.1 51.7 77.5#



#23
tert-Butyl Alcohol
Concen: 1.934 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013653.D
Acq: 27 Nov 2019 15:37

Tgt Ion: 59 Resp: 4456
Ion Ratio Lower Upper
59 100
52 1.7 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.353 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_X

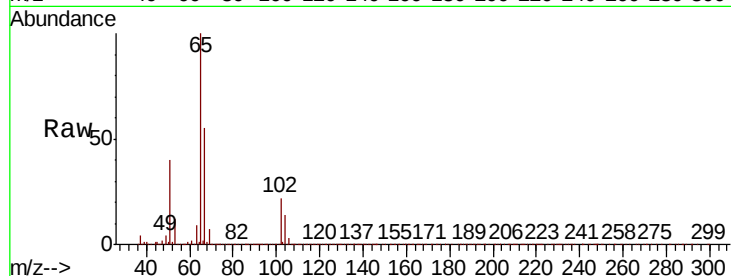
ClientSampled :

Tot Ion: 65 Resp: 260697

Ion Ratio Lower Upper

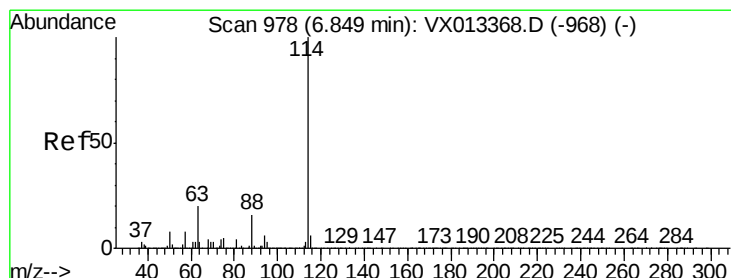
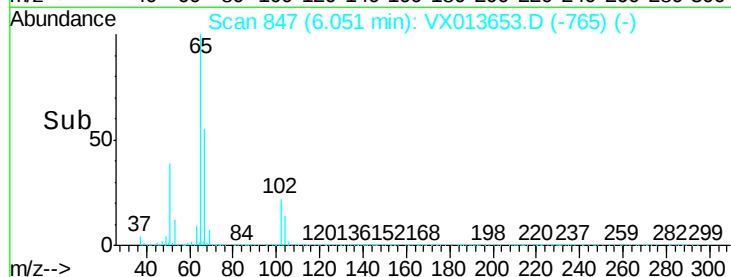
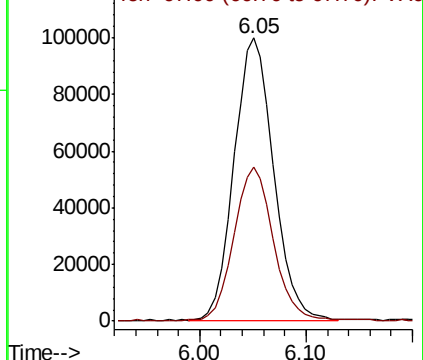
65 100

67 53.9 41.0 61.6



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

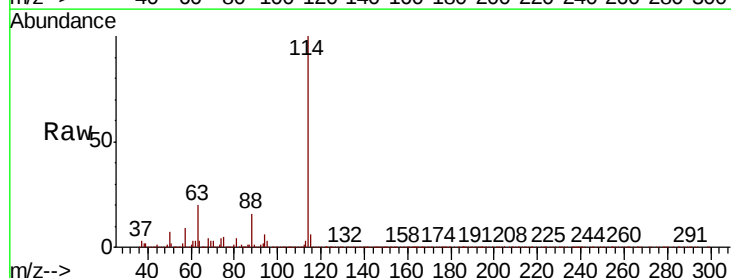
Tgt Ion: 114 Resp: 682115

Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

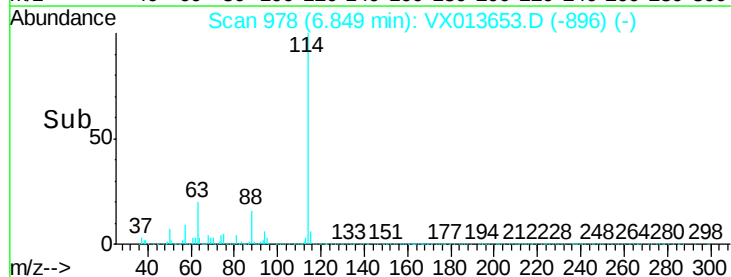
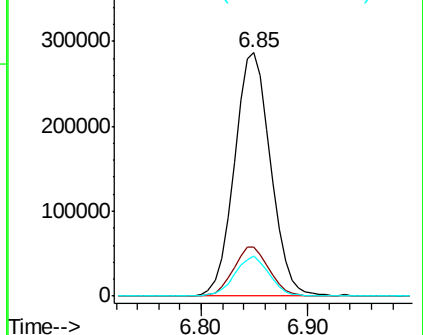
88 15.9 12.3 18.5

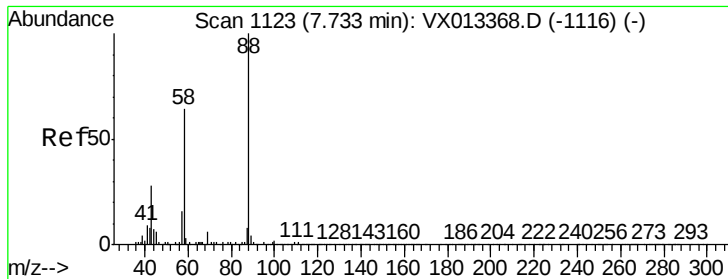


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 0.705 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

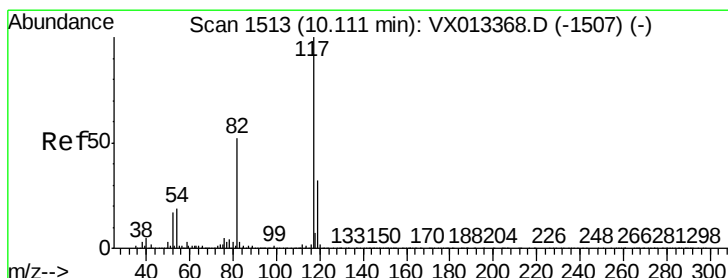
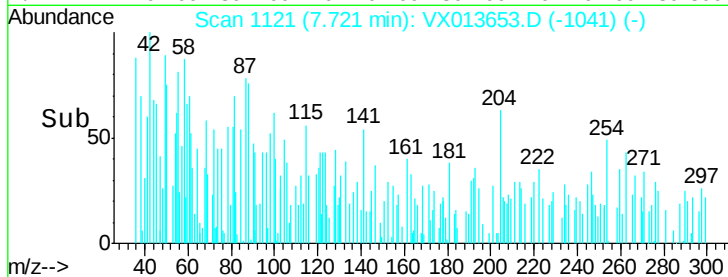
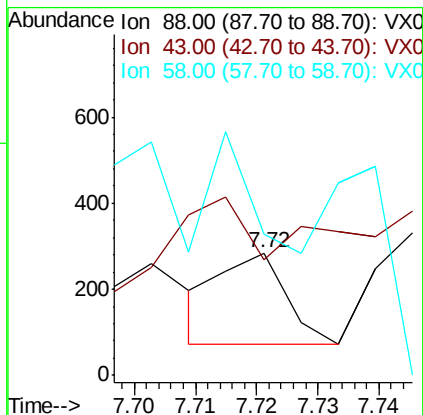
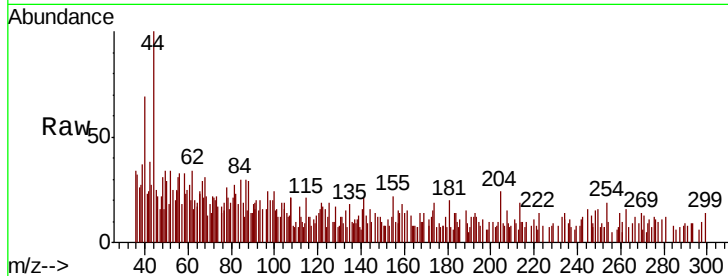
Tot Ion: 88 Resp: 157

Ion Ratio Lower Upper

88 100

43 200.6 26.1 39.1#

58 103.2 55.8 83.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

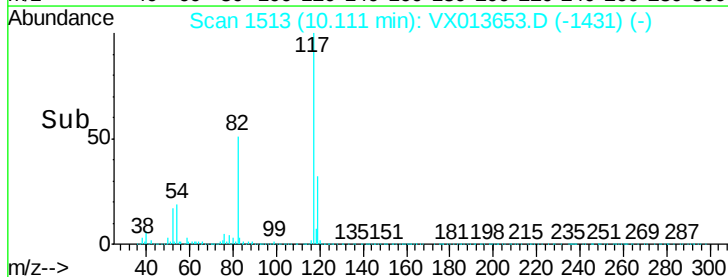
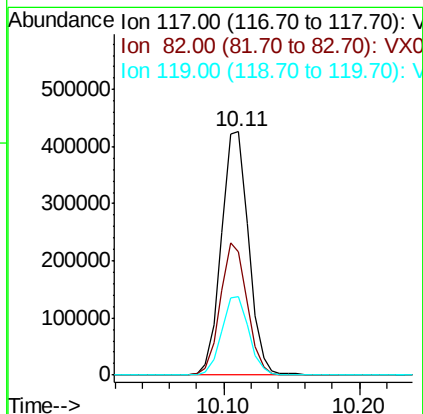
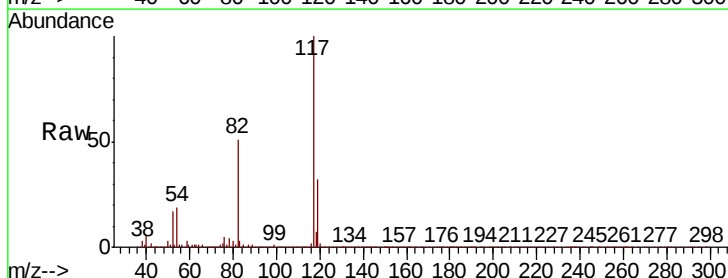
Tgt Ion: 117 Resp: 594142

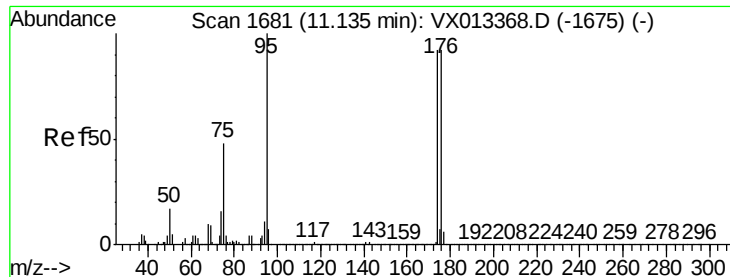
Ion Ratio Lower Upper

117 100

82 53.0 43.7 65.5

119 32.3 25.5 38.3

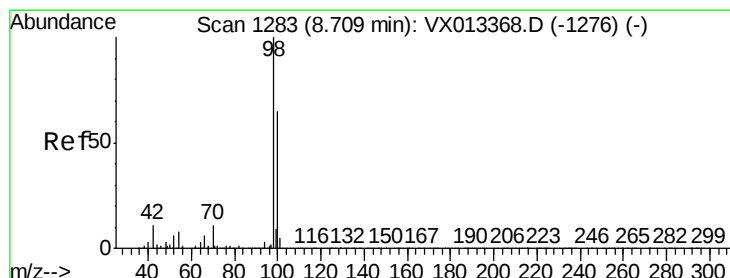
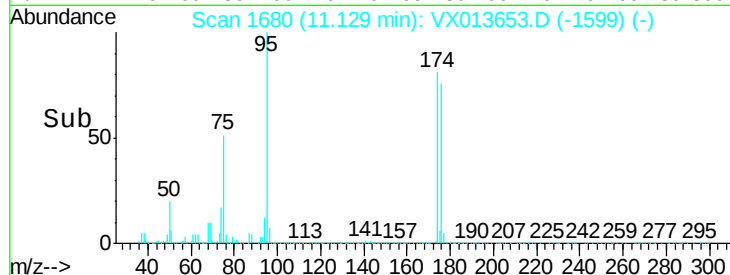
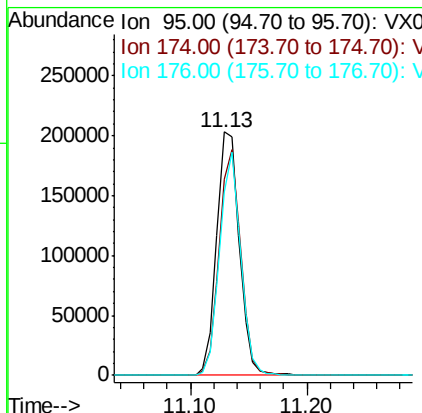
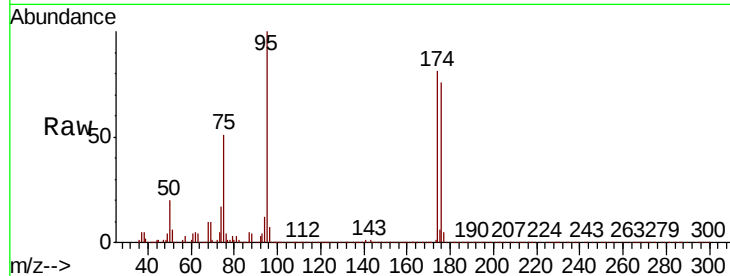




#60
4-Bromofluorobenzene
Concen: 28.429 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX013653.D
Acq: 27 Nov 2019 15:37

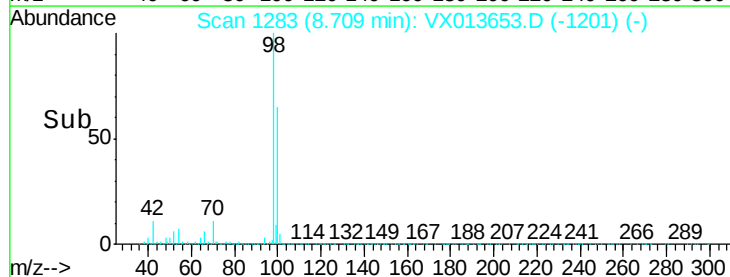
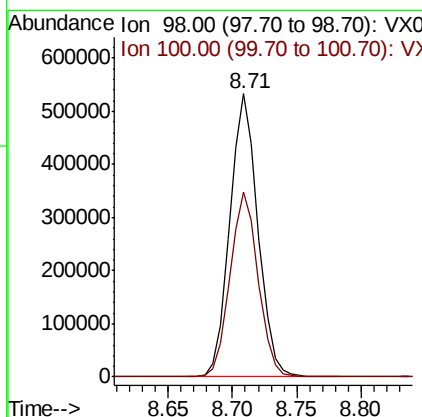
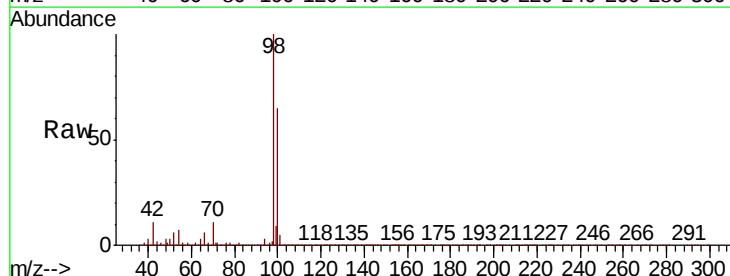
Instrument :
MSVOA_X
ClientSampleId :

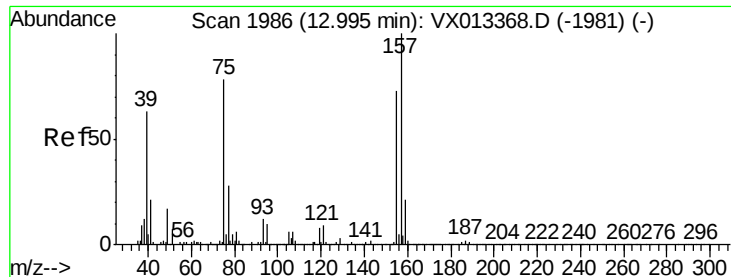
Tot Ion: 95 Resp: 271482
Ion Ratio Lower Upper
95 100
174 88.6 70.2 105.2
176 85.5 68.3 102.5



#63
Toluene-d8
Concen: 30.211 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013653.D
Acq: 27 Nov 2019 15:37

Tgt Ion: 98 Resp: 811686
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.221 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX013653.D

Acq: 27 Nov 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

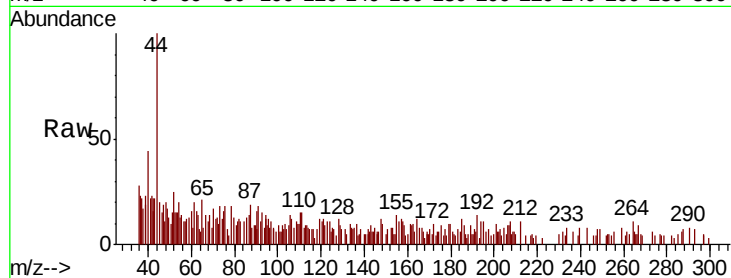
Tot Ion: 75 Resp: 630

Ion Ratio Lower Upper

75 100

155 17.8 76.9 115.3#

157 82.1 101.2 151.8#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

