

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007652.D
 Acq On : 22 Feb 2019 11:50
 Operator : JC/SP
 Sample : K1570-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-2-21-19

Quant Time: Feb 23 00:29:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	69532	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	359919	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	318634	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	137861	30.65	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	102.17%	
60) 4-Bromofluorobenzene	11.13	95	135272	27.66	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	92.20%	
63) Toluene-d8	8.71	98	421688	29.28	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	97.60%	

Target Compounds

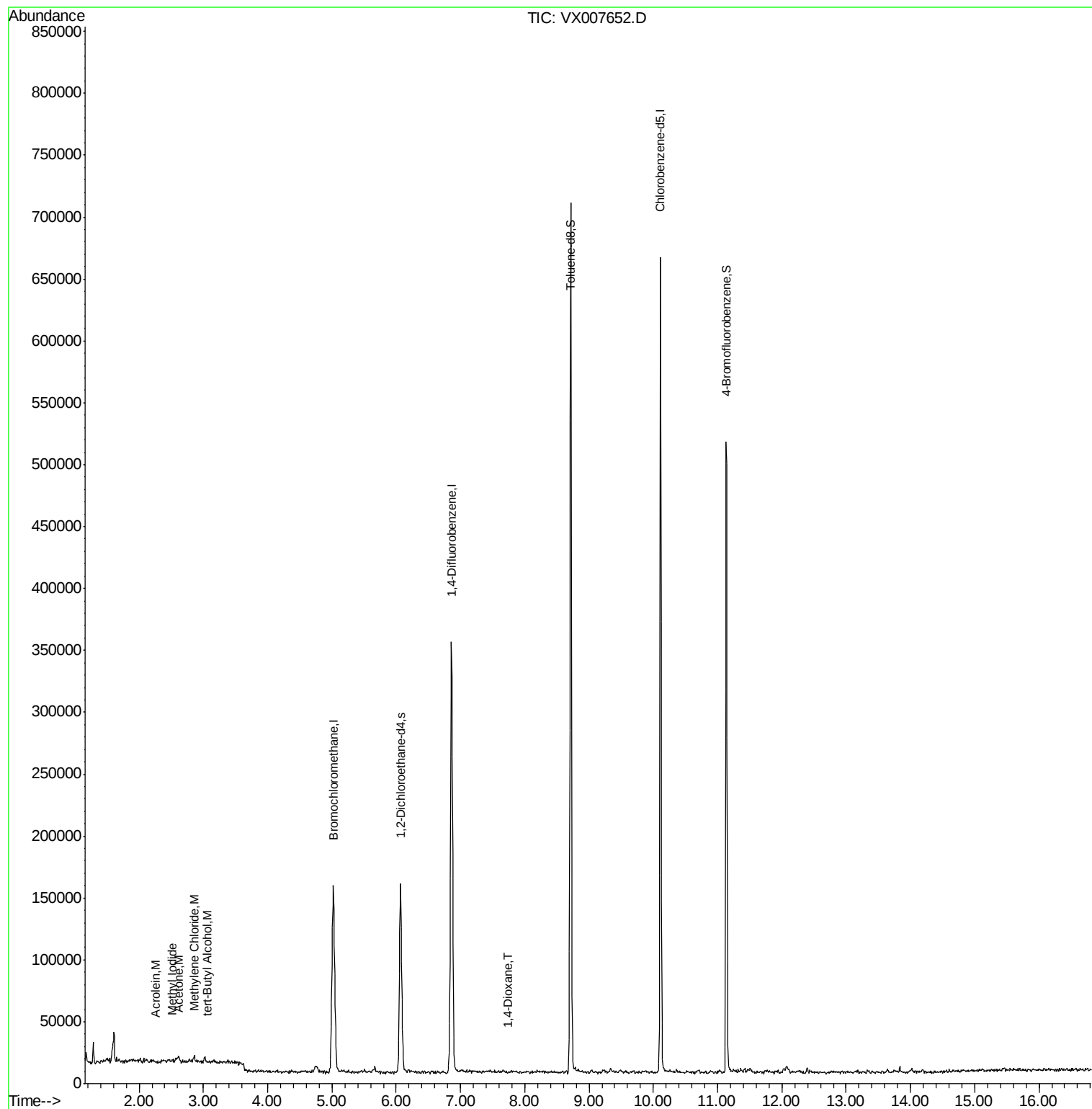
					Ovalue
11) Methyl Iodide	2.53	142	1542	0.281 ug/l #	80
13) Acrolein	2.27	56	326	0.355 ug/l	97
15) Acetone	2.62	58	222	0.337 ug/l	95
18) Methylene Chloride	2.86	84	2440	0.568 ug/l	87
23) tert-Butyl Alcohol	3.07	59	265	0.260 ug/l #	9
45) 1,4-Dioxane	7.75	88	222	2.141 ug/l #	5

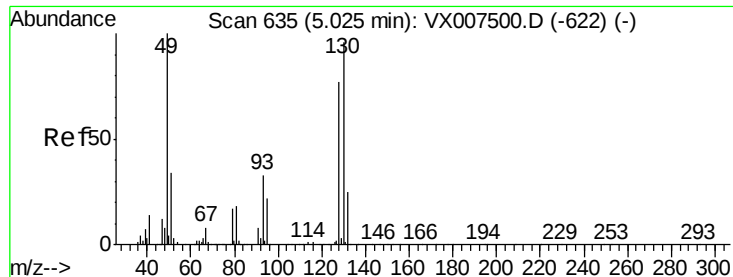
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.01 min

Lab File: VX007652.D

Acq: 22 Feb 2019 11:50

Instrument :

MSVOA_X

ClientSampleId :

TB-2-21-19

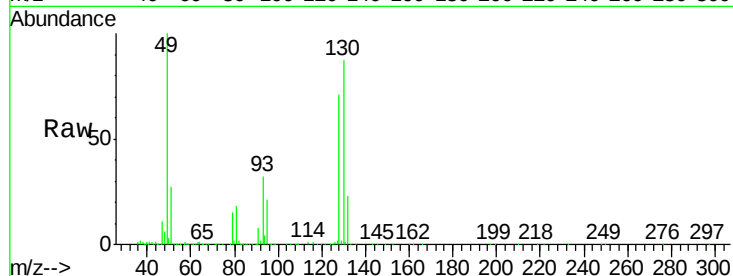
Tot Ion:128 Resp: 69532

Ion Ratio Lower Upper

128 100

49 139.8 0.0 350.8

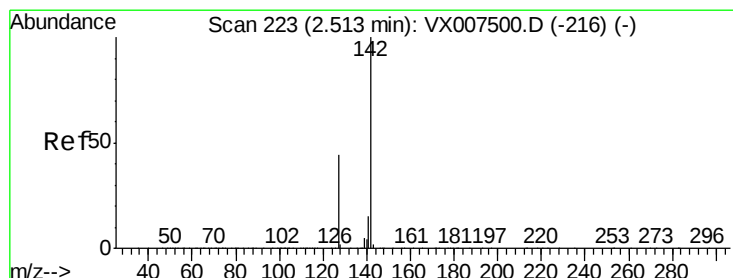
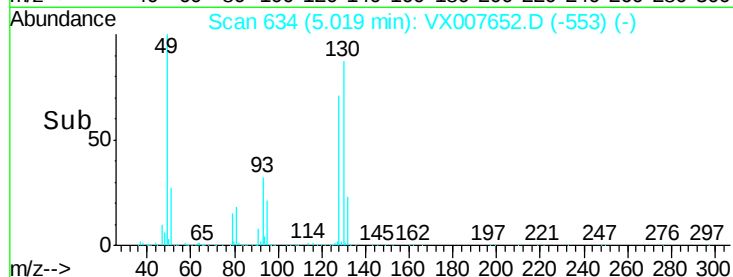
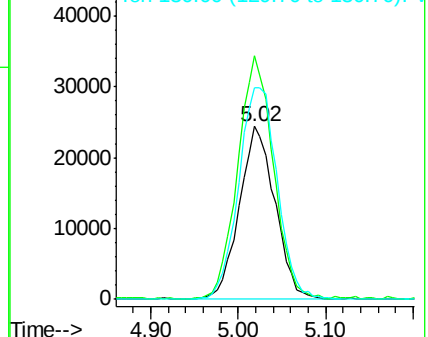
130 132.4 0.0 325.8



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



#11

Methyl Iodide

Concen: 0.281 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.01 min

Lab File: VX007652.D

Acq: 22 Feb 2019 11:50

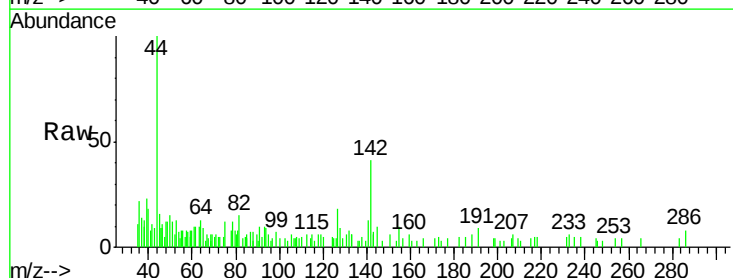
Tgt Ion:142 Resp: 1542

Ion Ratio Lower Upper

142 100

127 35.2 22.1 66.5

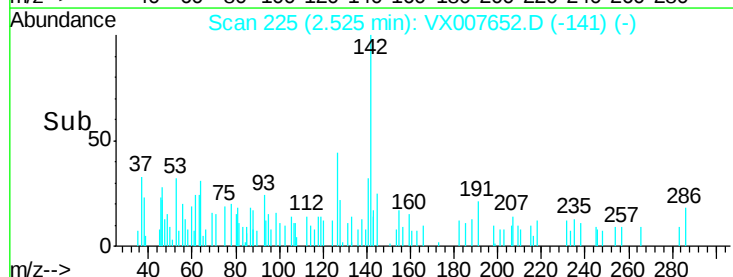
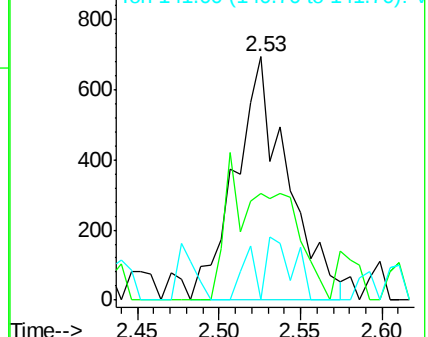
141 0.0 7.4 22.3#

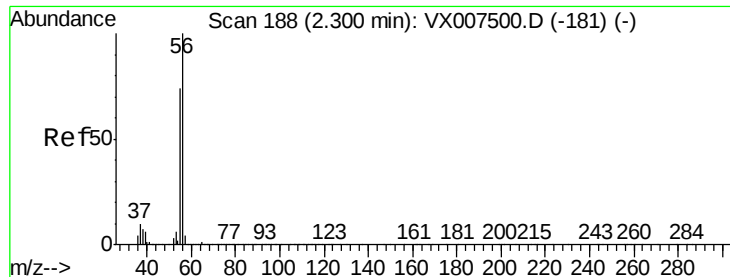


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

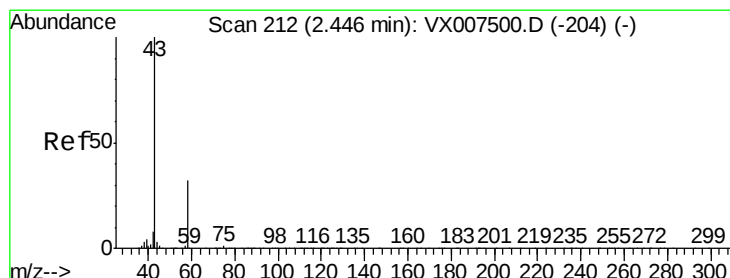
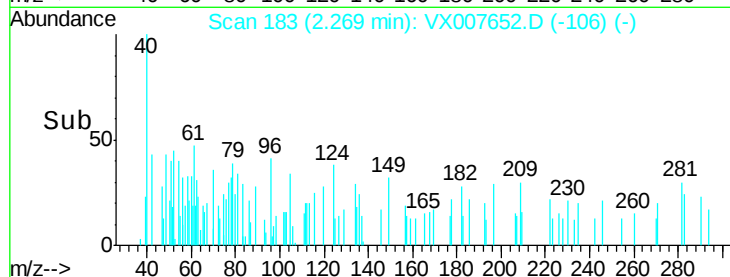
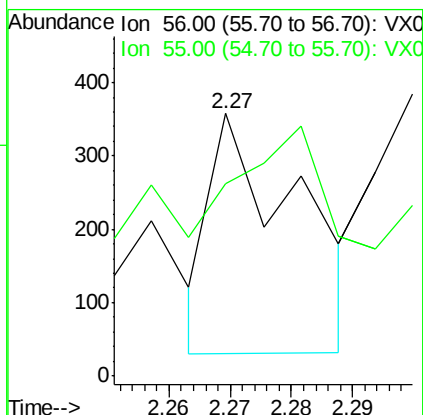
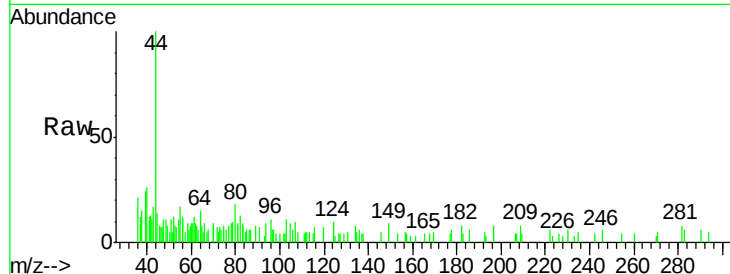




#13
Acrolein
Concen: 0.355 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.03 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

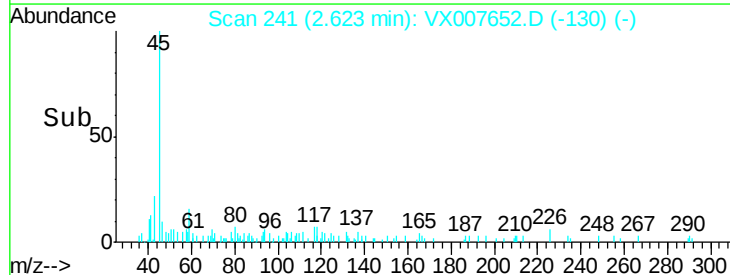
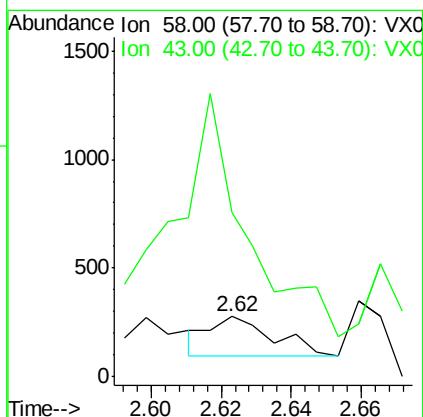
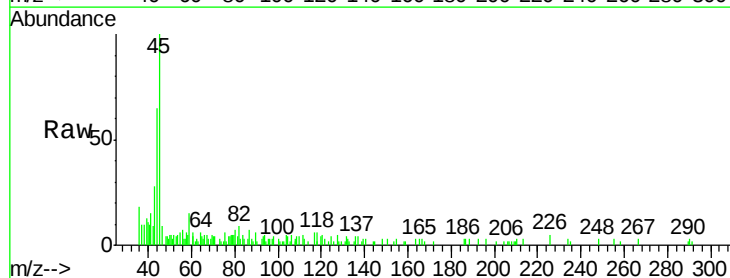
Instrument :
MSVOA_X
ClientSampled :
TB-2-21-19

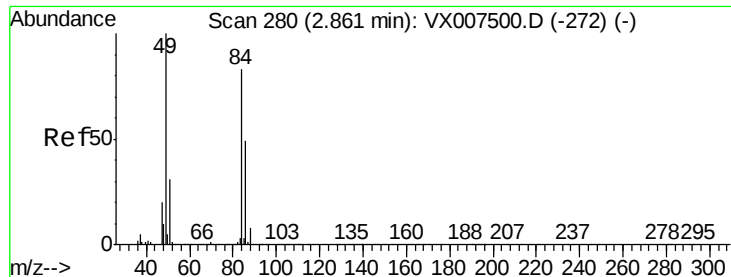
Tot Ion: 56 Resp: 326
Ion Ratio Lower Upper
56 100
55 75.8 58.6 87.8



#15
Acetone
Concen: 0.337 ug/l
RT: 2.62 min Scan# 241
Delta R.T. 0.18 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

Tgt Ion: 58 Resp: 222
Ion Ratio Lower Upper
58 100
43 321.3 249.8 374.6

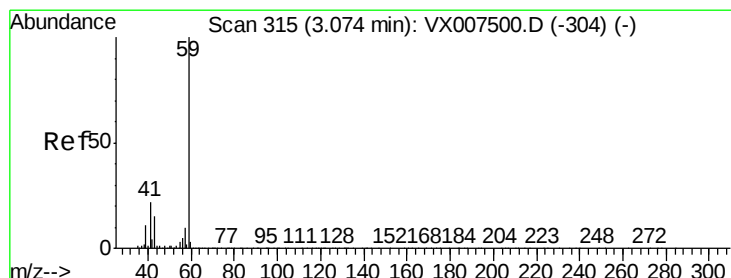
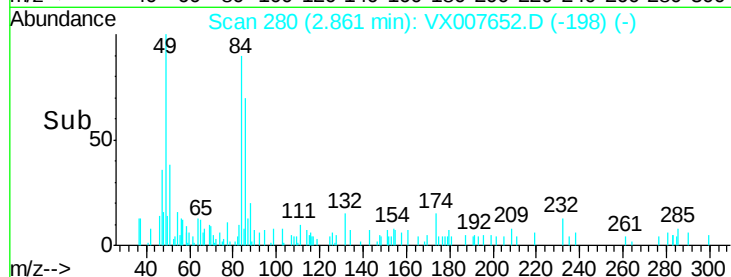
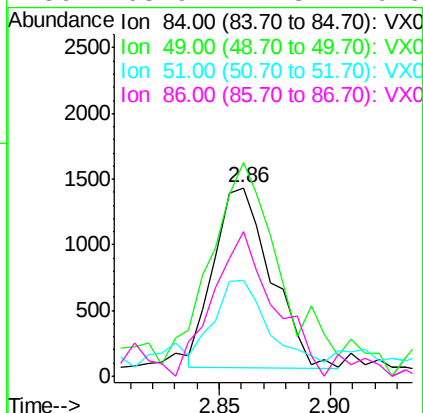
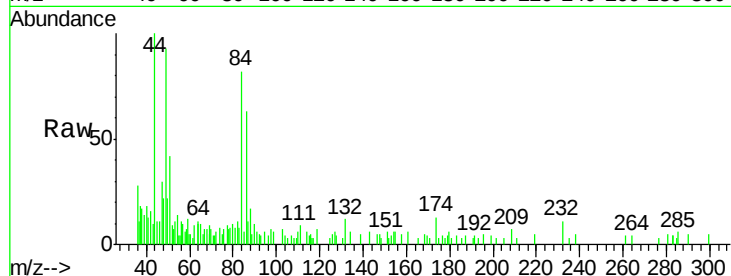




#18
Methylene Chloride
Concen: 0.568 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

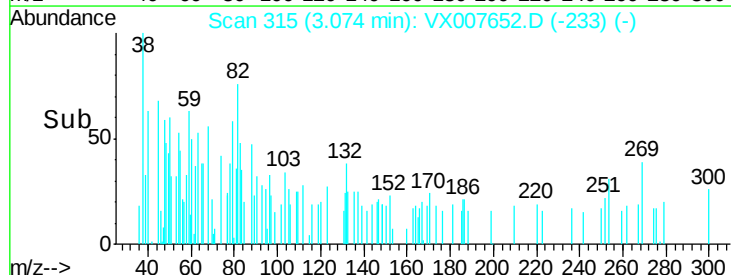
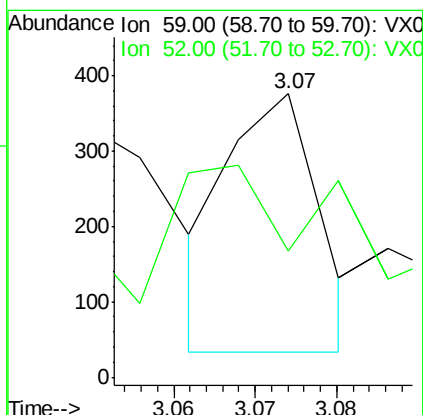
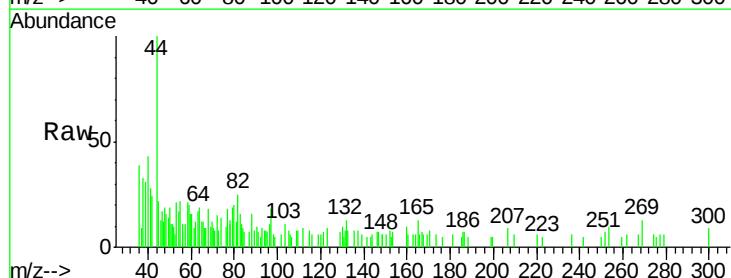
Instrument :
MSVOA_X
ClientSampled :
TB-2-21-19

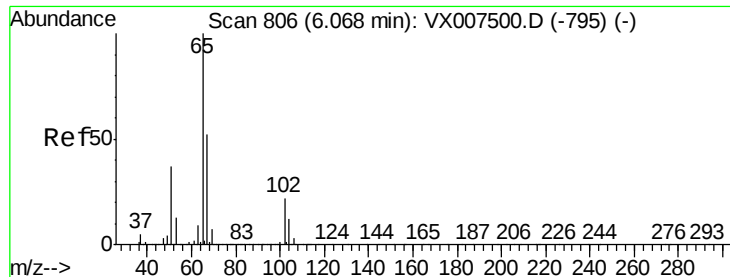
Tot Ion:	84	Resp:	2440
Ion	Ratio	Lower	Upper
84	100		
49	102.0	96.1	144.1
51	38.9	29.1	43.7
86	68.9	47.3	70.9



#23
tert-Butyl Alcohol
Concen: 0.260 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

Tgt Ion:	59	Resp:	265
Ion	Ratio	Lower	Upper
59	100		
52	117.4	0.2	0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.650 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007652.D

Acq: 22 Feb 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

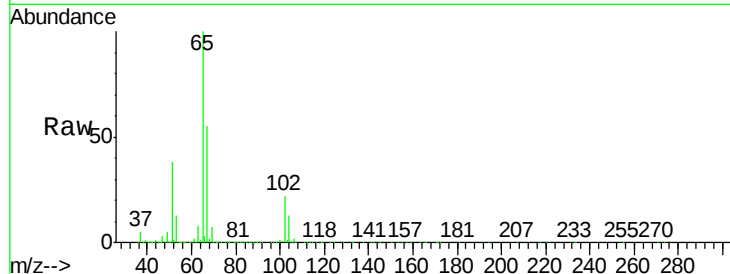
TB-2-21-19

Tot Ion: 65 Resp: 137861

Ion Ratio Lower Upper

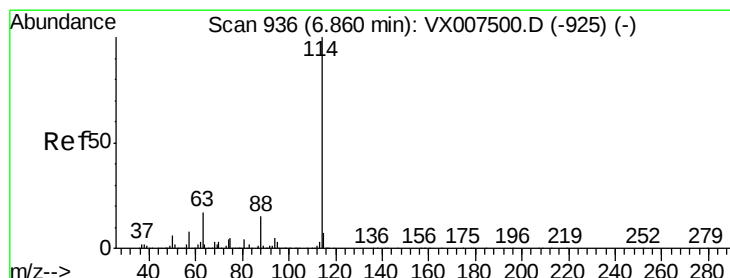
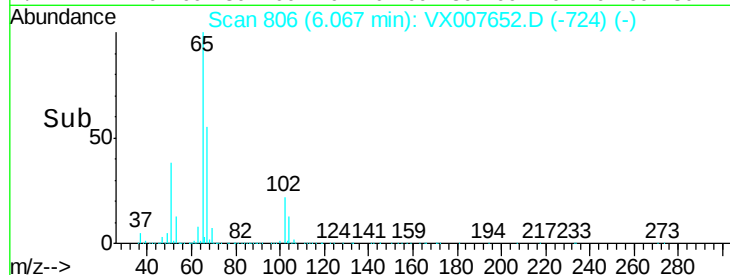
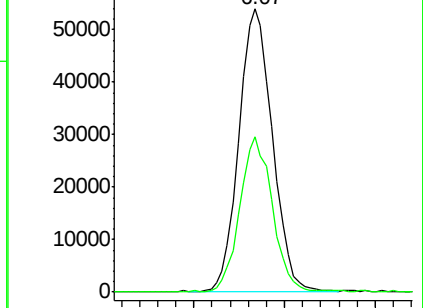
65 100

67 53.4 42.9 64.3



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: VX007652.D

Acq: 22 Feb 2019 11:50

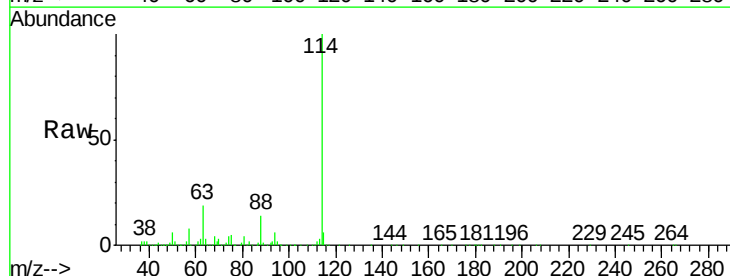
Tgt Ion: 114 Resp: 359919

Ion Ratio Lower Upper

114 100

63 18.3 14.2 21.4

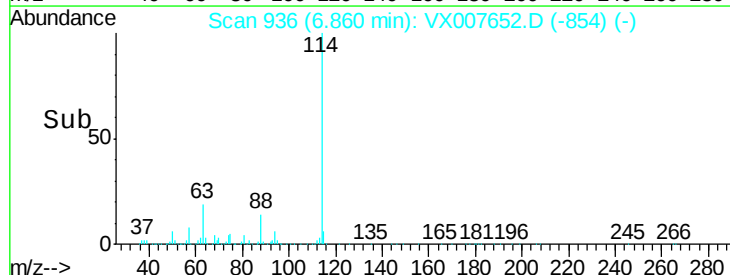
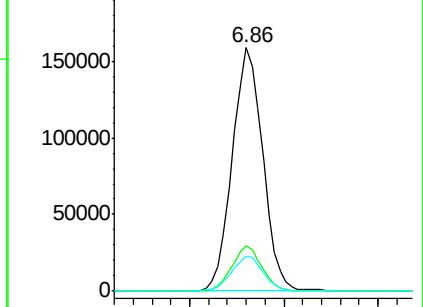
88 14.7 11.9 17.9

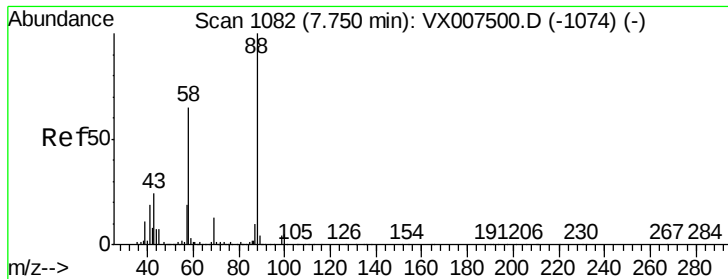


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#45

1,4-Dioxane

Concen: 2.141 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VX007652.D

Acq: 22 Feb 2019 11:50

Instrument :

MSVOA_X

ClientSampled :

TB-2-21-19

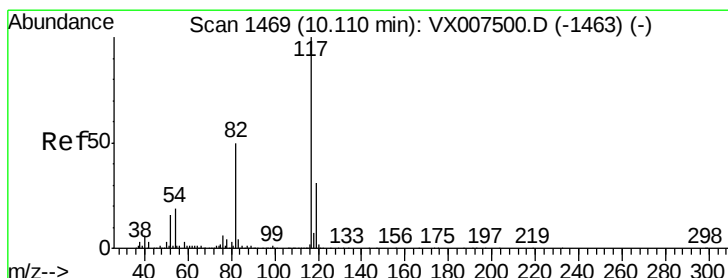
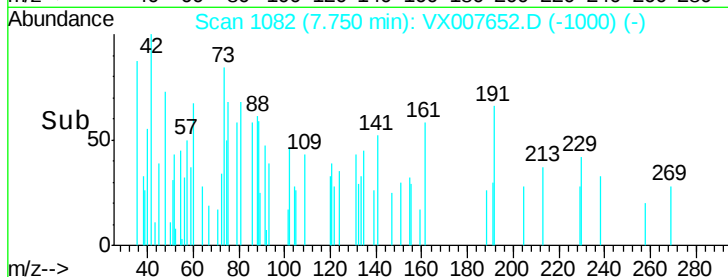
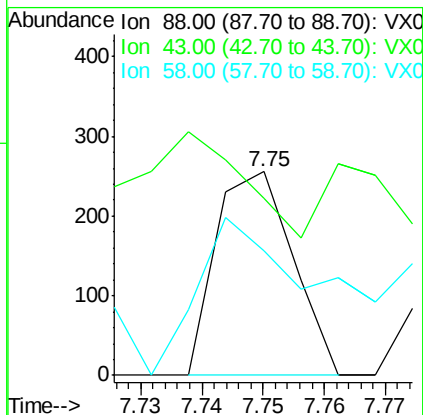
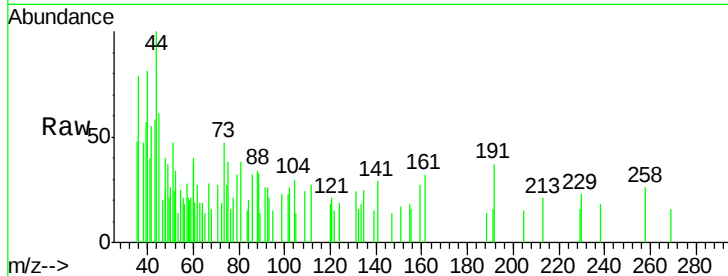
Tot Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

43 101.8 23.6 35.4#

58 125.2 51.6 77.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX007652.D

Acq: 22 Feb 2019 11:50

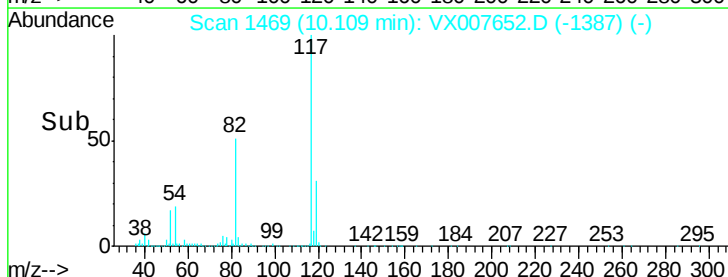
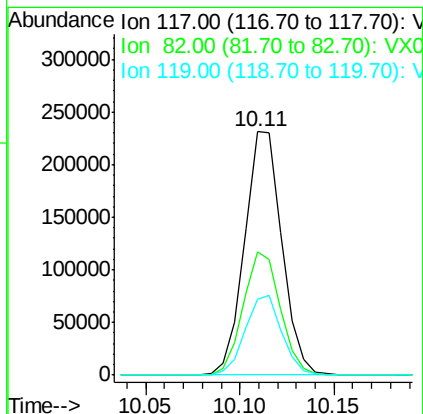
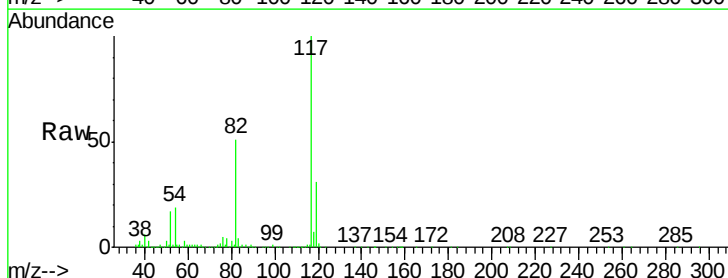
Tgt Ion: 117 Resp: 318634

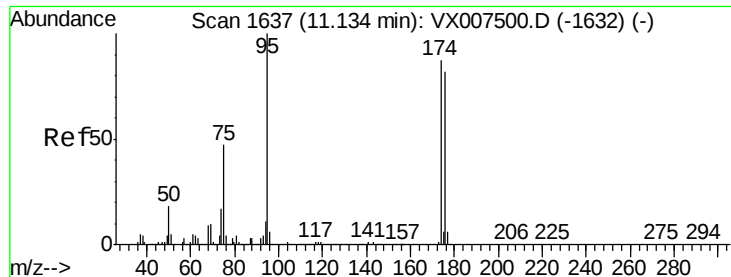
Ion Ratio Lower Upper

117 100

82 49.9 40.4 60.6

119 31.9 25.8 38.6

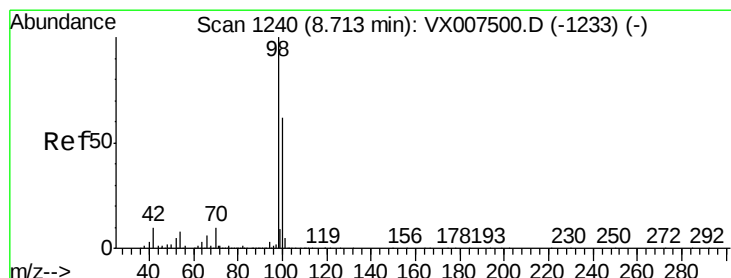
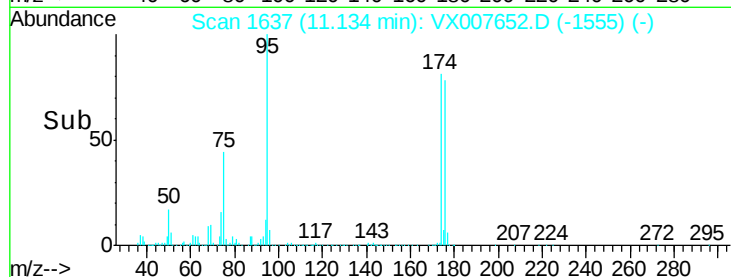
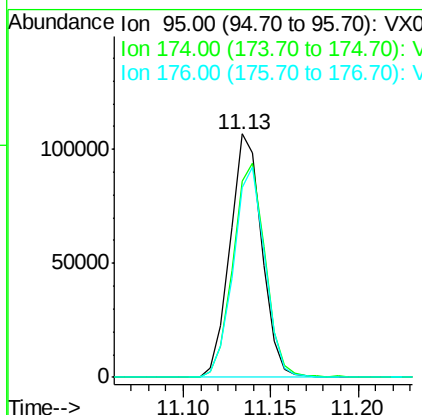
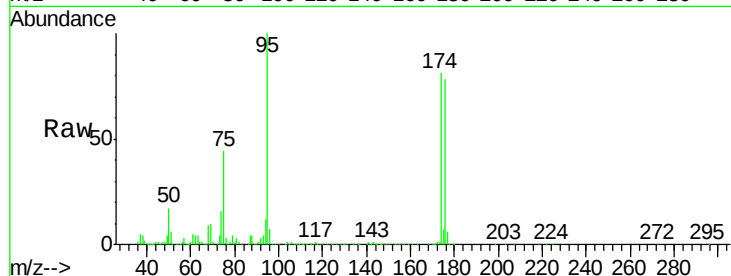




#60
4-Bromofluorobenzene
Concen: 27.661 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

Instrument :
MSVOA_X
ClientSampled :
TB-2-21-19

Tot Ion: 95 Resp: 135272
Ion Ratio Lower Upper
95 100
174 89.0 74.9 112.3
176 85.7 70.7 106.1



#63
Toluene-d8
Concen: 29.281 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007652.D
Acq: 22 Feb 2019 11:50

Tgt Ion: 98 Resp: 421688
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

