

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007649.D
 Acq On : 22 Feb 2019 10:21
 Operator : JC/SP
 Sample : VX0222WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0222WBL02

Quant Time: Feb 23 00:28:30 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	5.03	128	72059	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	368243	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	325316	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	142848	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	11.13	95	136098	27.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.87%
63) Toluene-d8	8.71	98	426684	29.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.73%

Target Compounds

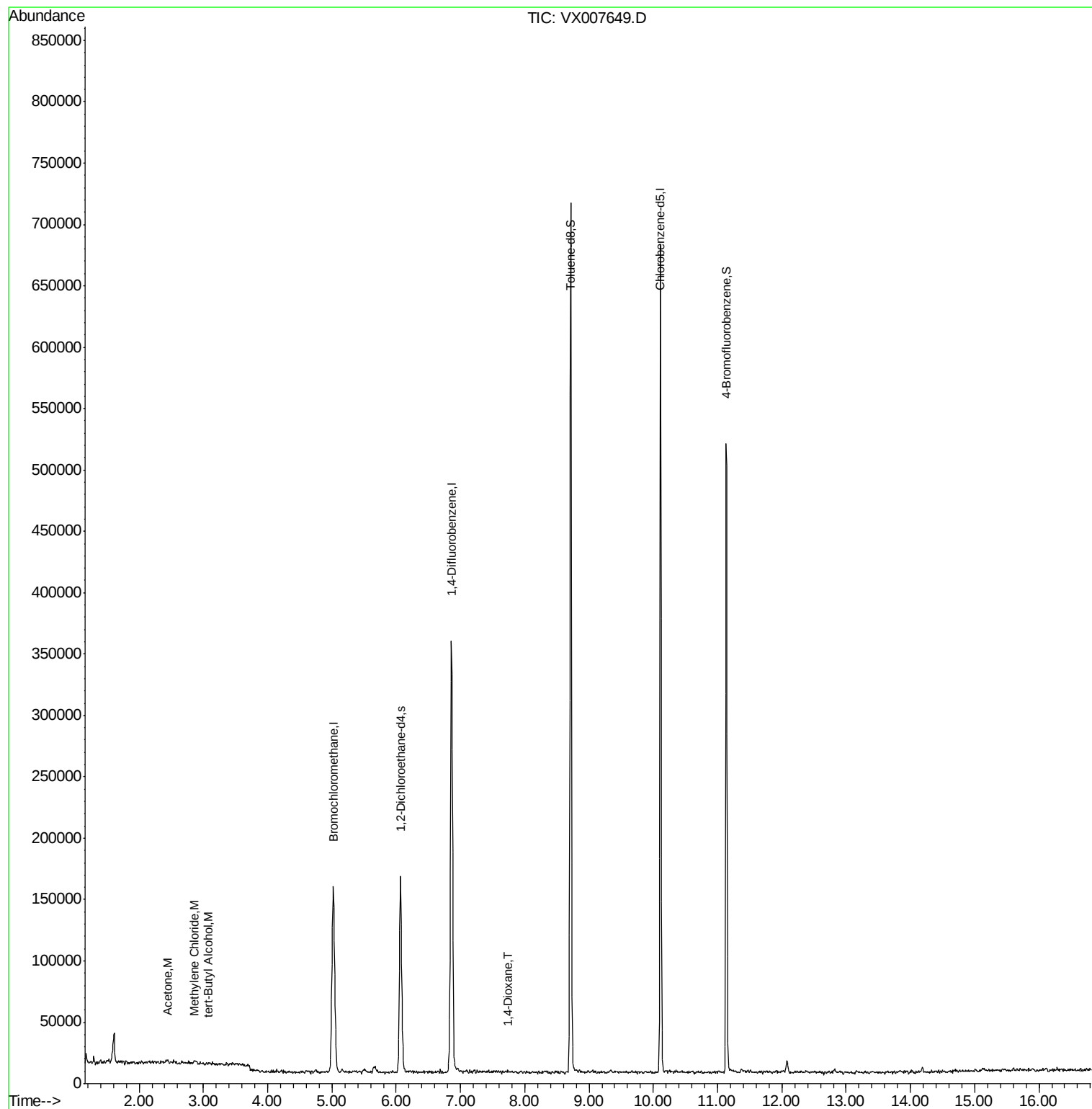
					Ovalue	
15) Acetone	2.45	58	394	0.577	ug/l #	1
18) Methylene Chloride	2.85	84	1258	0.283	ug/l #	60
23) tert-Butyl Alcohol	3.09	59	290	0.274	ug/l #	67
45) 1,4-Dioxane	7.74	88	221	2.083	ug/l #	74

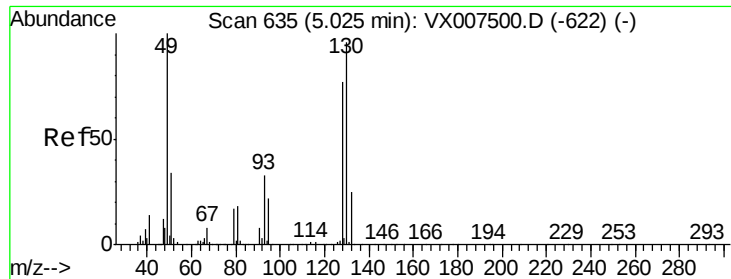
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. -0.00 min

Lab File: VX007649.D

Acq: 22 Feb 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VX0222WBL02

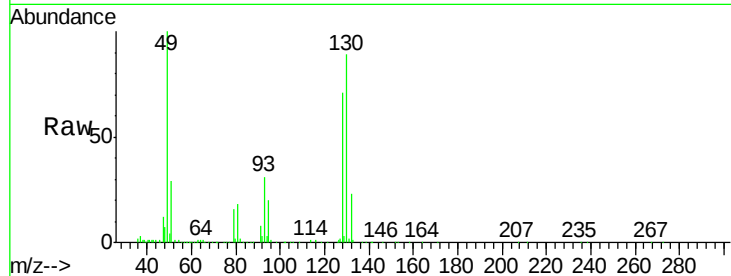
Tot Ion:128 Resp: 72059

Ion Ratio Lower Upper

128 100

49 135.0 0.0 350.8

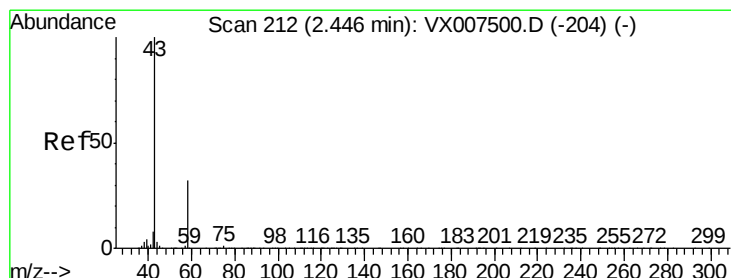
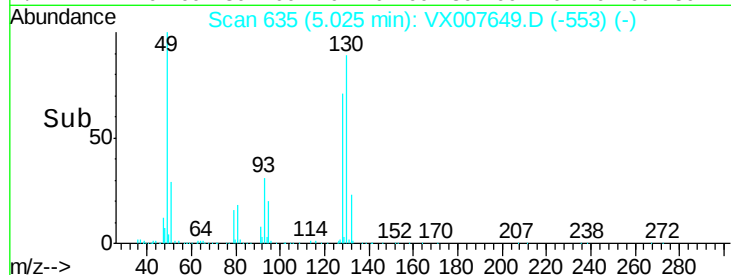
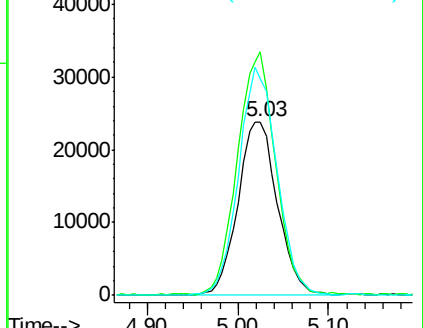
130 127.1 0.0 325.8



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: 0.577 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007649.D

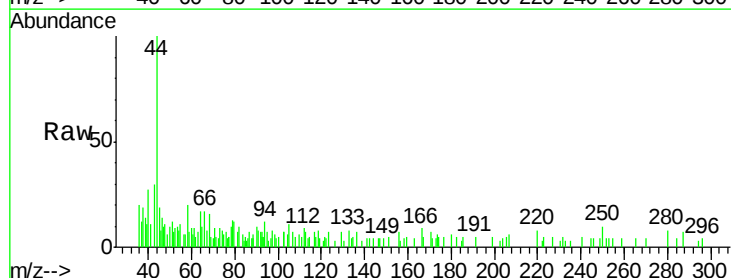
Acq: 22 Feb 2019 10:21

Tgt Ion: 58 Resp: 394

Ion Ratio Lower Upper

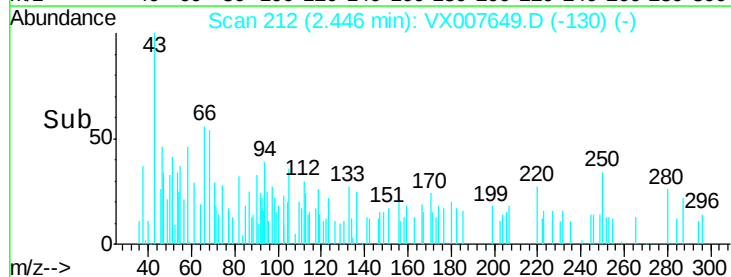
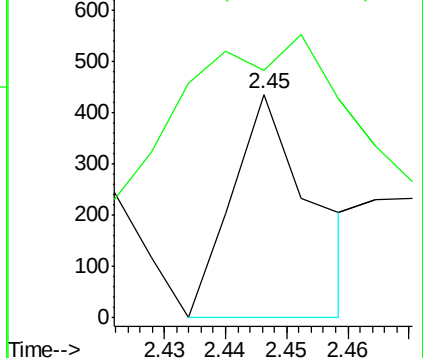
58 100

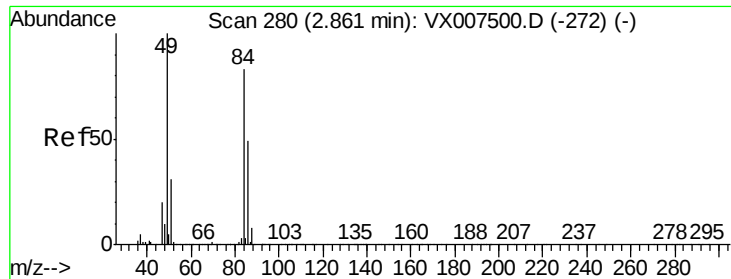
43 12.6 249.8 374.6#



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

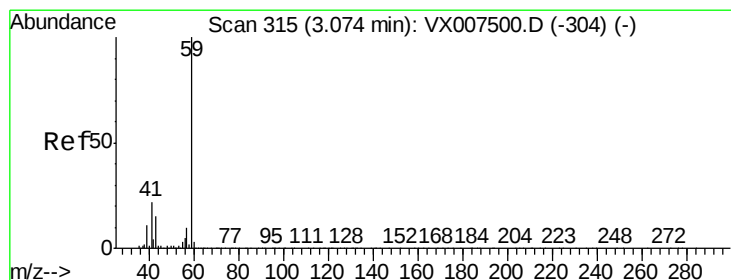
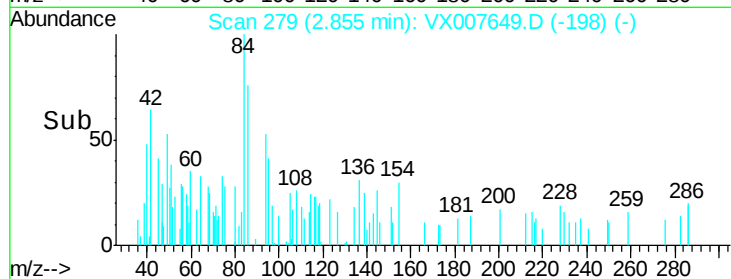
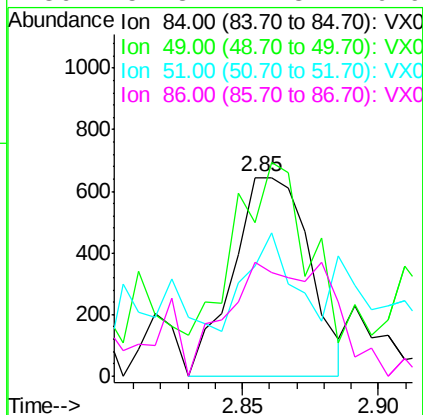
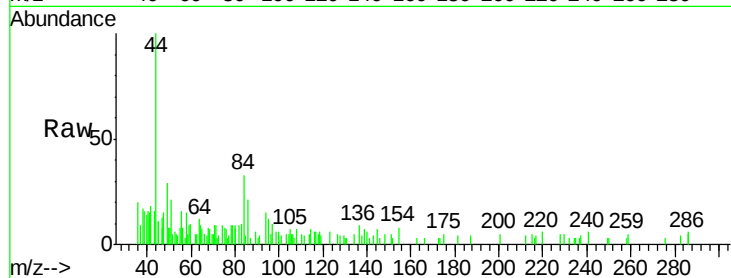




#18
Methvlene Chloride
Concen: 0.283 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

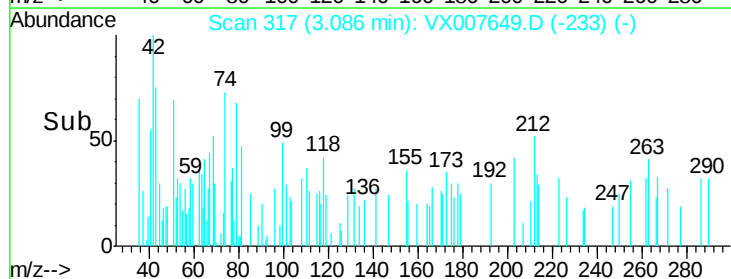
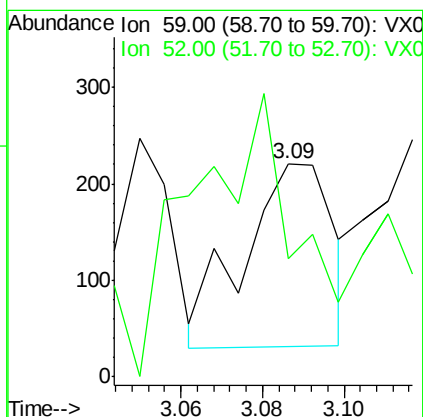
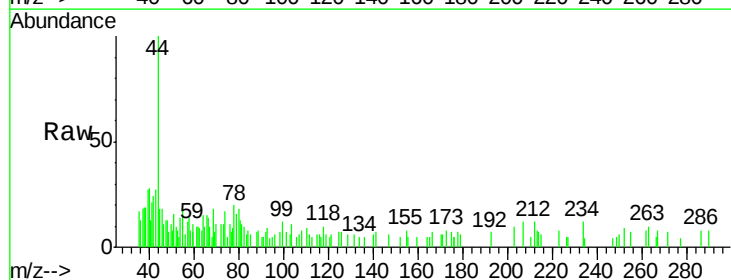
Instrument :
MSVOA_X
ClientSampled :
VX0222WBL02

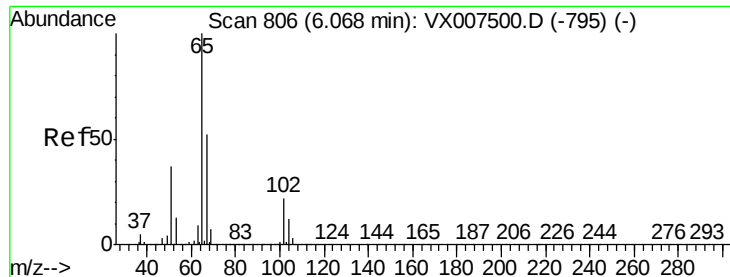
Tot Ion: 84 Resp: 1258
Ion Ratio Lower Upper
84 100
49 60.2 96.1 144.1#
51 3.3 29.1 43.7#
86 57.3 47.3 70.9



#23
tert-Butyl Alcohol
Concen: 0.274 ug/l
RT: 3.09 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

Tgt Ion: 59 Resp: 290
Ion Ratio Lower Upper
59 100
52 42.1 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.645 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007649.D

Acq: 22 Feb 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

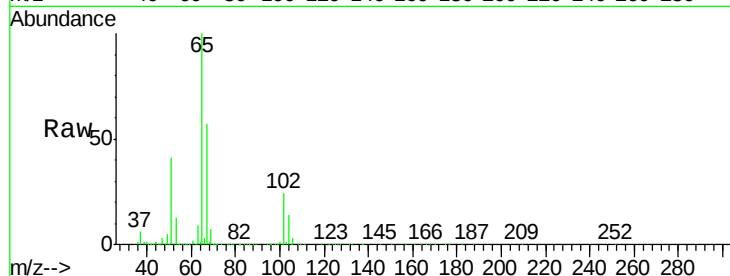
VX0222WBL02

Tot Ion: 65 Resp: 142848

Ion Ratio Lower Upper

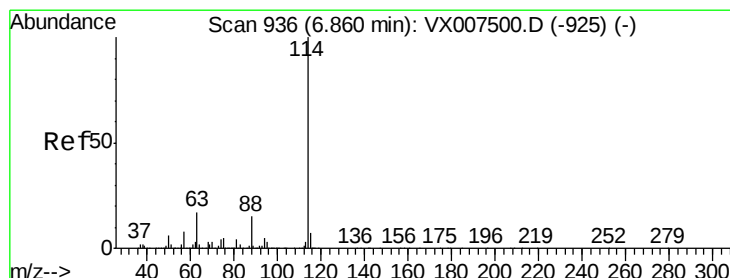
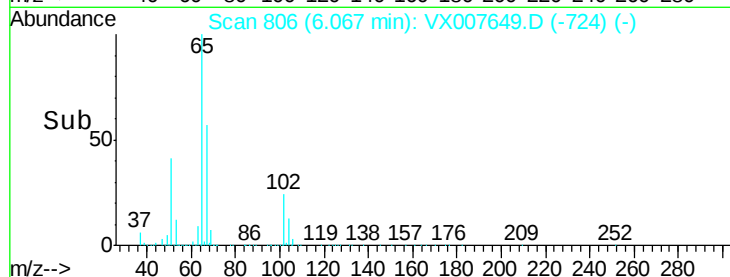
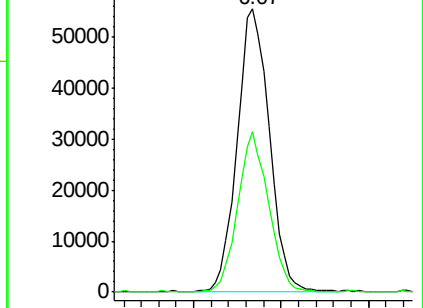
65 100

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



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007649.D

Acq: 22 Feb 2019 10:21

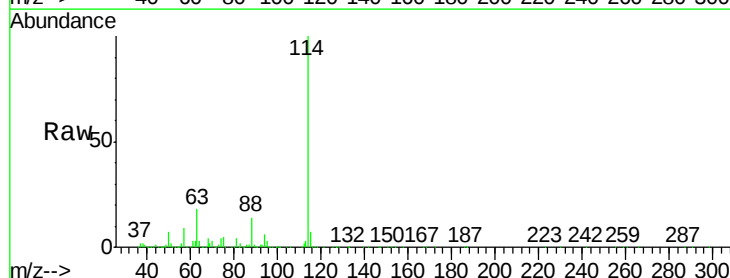
Tgt Ion: 114 Resp: 368243

Ion Ratio Lower Upper

114 100

63 18.4 14.2 21.4

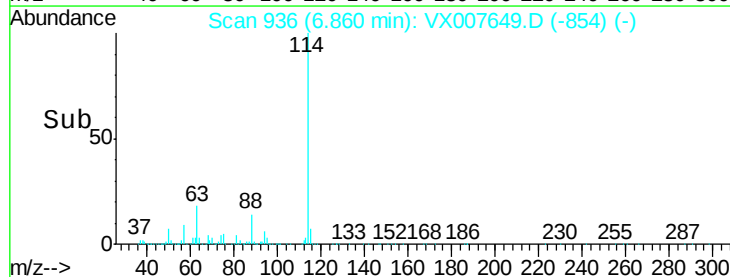
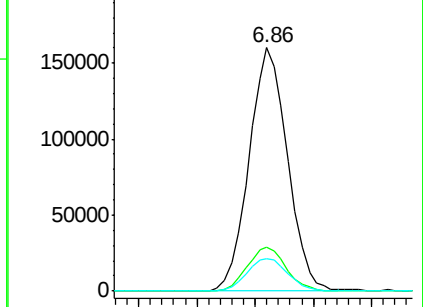
88 14.3 11.9 17.9

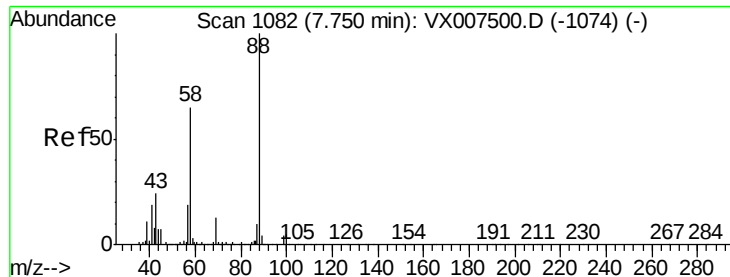


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

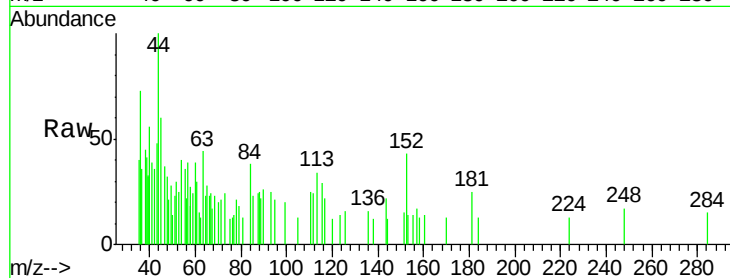




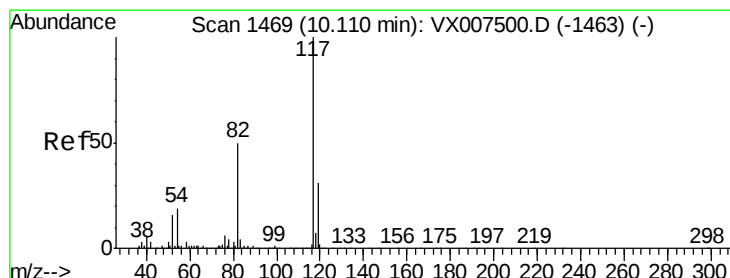
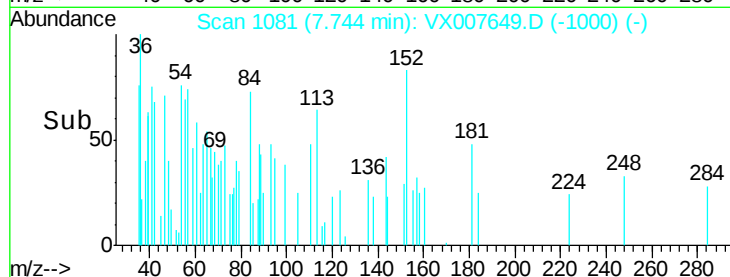
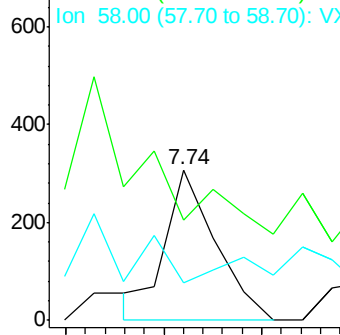
#45
1,4-Dioxane
Concen: 2.083 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VX0222WBL02

Tot Ion: 88 Resp: 221
Ion Ratio Lower Upper
88 100
43 0.0 23.6 35.4#
58 54.3 51.6 77.4

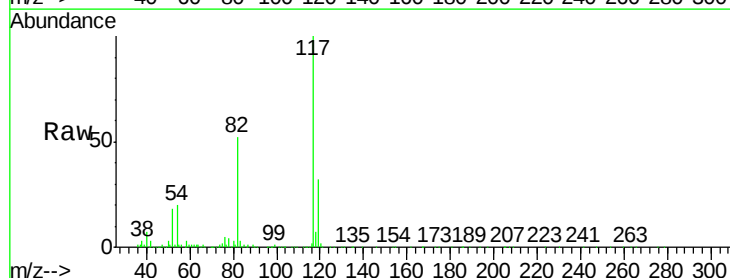


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

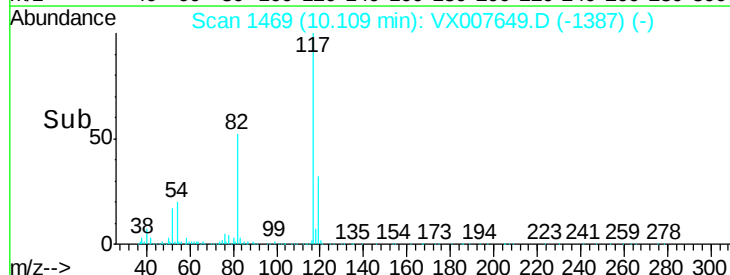
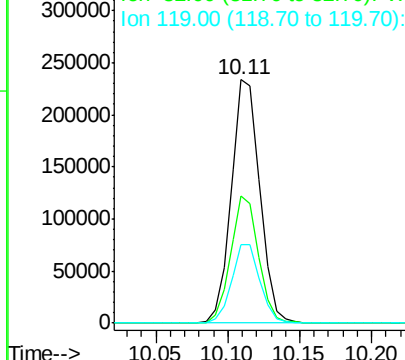


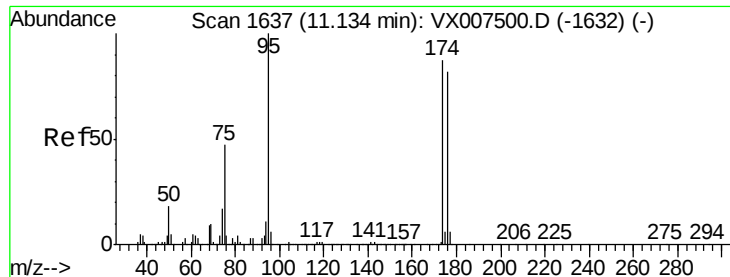
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

Tgt Ion: 117 Resp: 325316
Ion Ratio Lower Upper
117 100
82 50.6 40.4 60.6
119 31.9 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

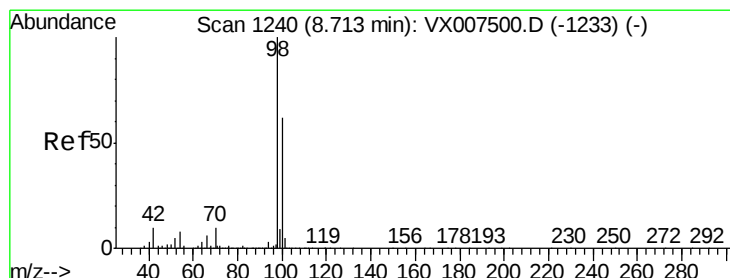
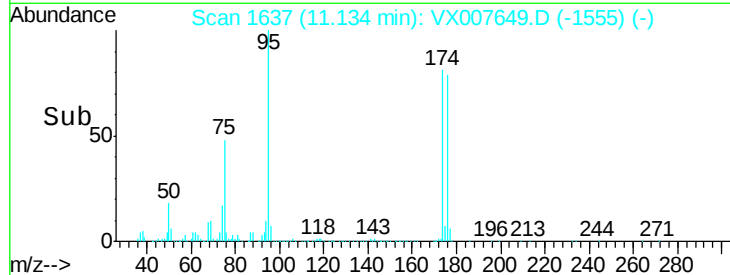
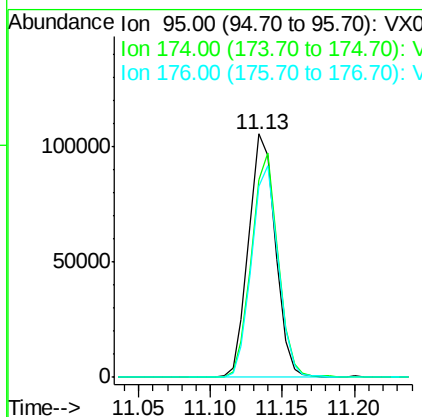
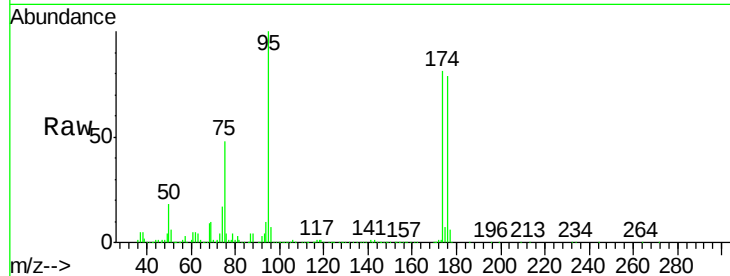




#60
4-Bromofluorobenzene
Concen: 27.258 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VX0222WBL02

Tot Ion: 95 Resp: 136098
Ion Ratio Lower Upper
95 100
174 90.8 74.9 112.3
176 86.1 70.7 106.1



#63
Toluene-d8
Concen: 29.019 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007649.D
Acq: 22 Feb 2019 10:21

Tgt Ion: 98 Resp: 426684
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3

