

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX062218\
 Data File : VX002830.D
 Acq On : 22 Jun 2018 12:42
 Operator : JC/MD
 Sample : VX0622WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

Quant Time: Jun 22 13:05:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 18 15:18:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	47687	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	257151	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	235596	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	110892	30.45	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	101.50%	
60) 4-Bromofluorobenzene	11.14	95	106635	27.40	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	91.33%	
63) Toluene-d8	8.72	98	305442	29.68	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	98.93%	

Target Compounds

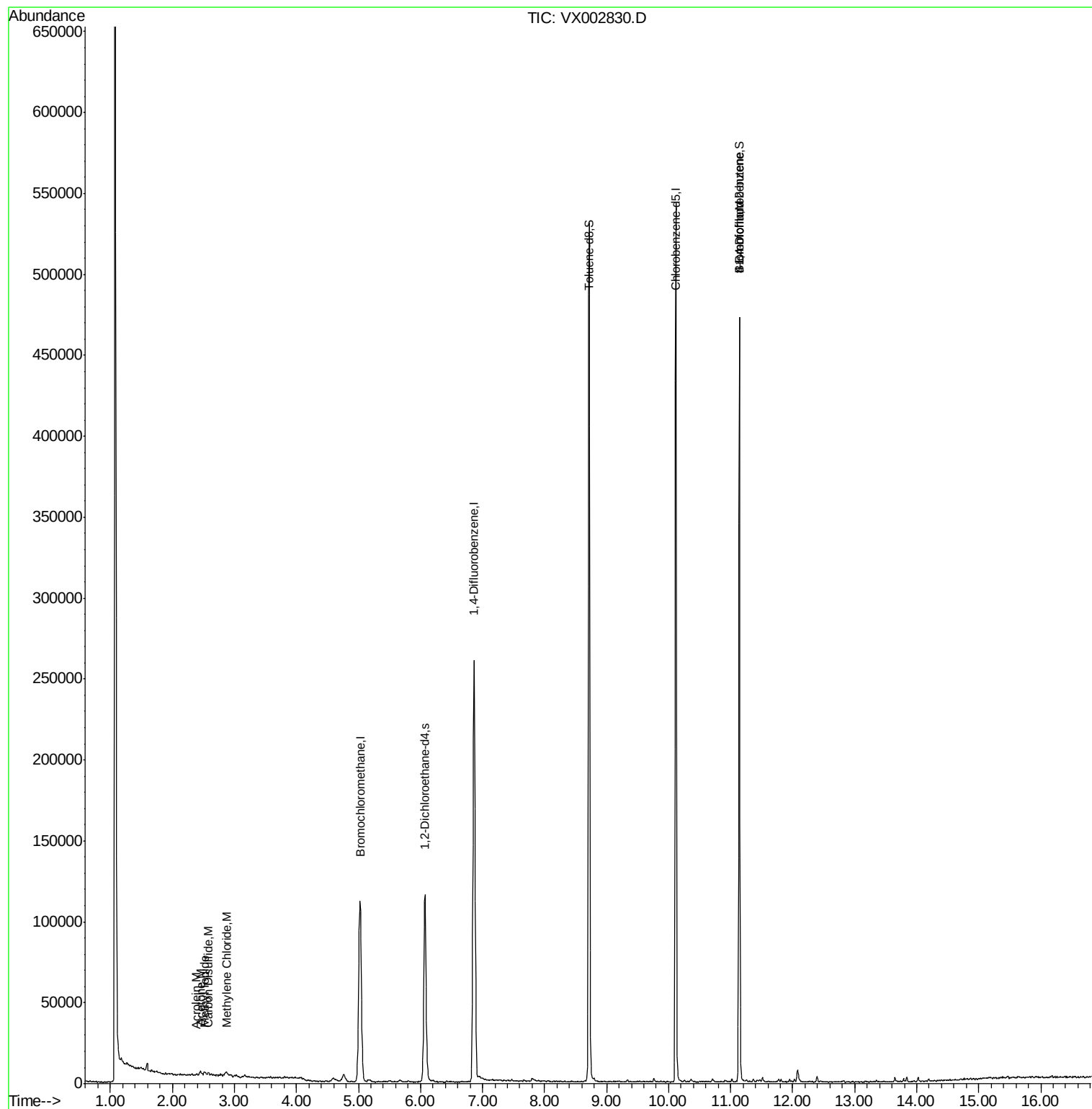
					Qvalue	
11) Methyl Iodide	2.51	142	2293	0.808	ug/l #	59
13) Acrolein	2.37	56	181	0.636	ug/l	99
15) Acetone	2.45	58	797	1.906	ug/l #	59
16) Carbon Disulfide	2.57	76	1989	0.322	ug/l #	84
18) Methylene Chloride	2.87	84	868	0.308	ug/l	91
56) Bromoform	11.15	173	1373	0.589	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.14	75	56153	50.457	ug/l #	11

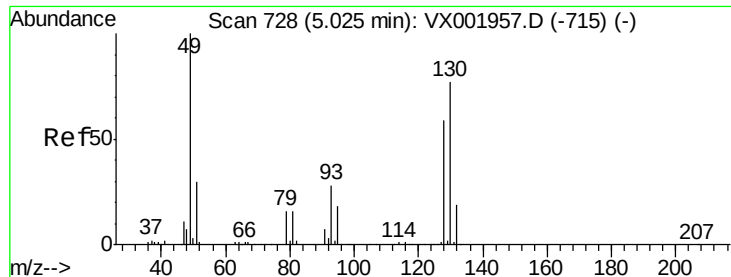
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 18 15:18:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

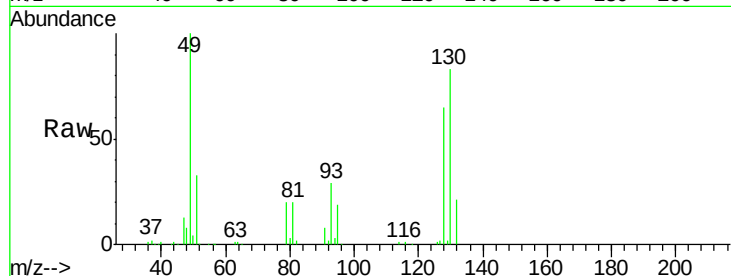
Tgt Ion:128 Resp: 47687

Ion Ratio Lower Upper

128 100

49 158.1 0.0 423.0

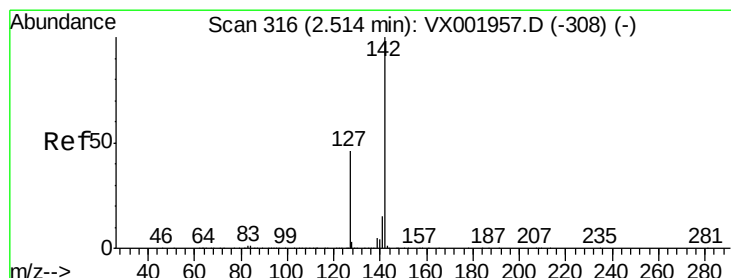
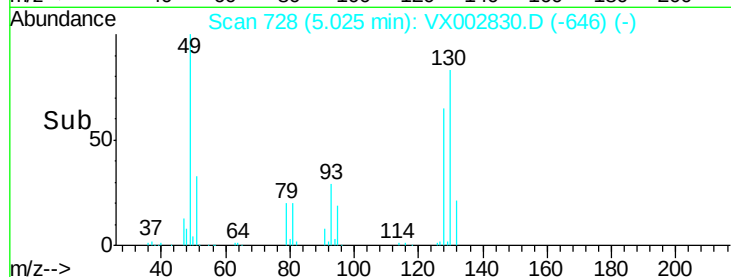
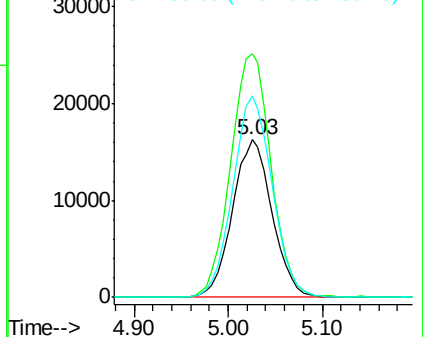
130 127.5 0.0 324.3



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: 0.808 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

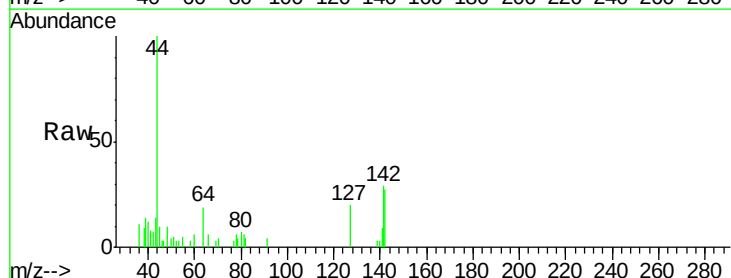
Tgt Ion:142 Resp: 2293

Ion Ratio Lower Upper

142 100

127 36.8 23.2 69.6

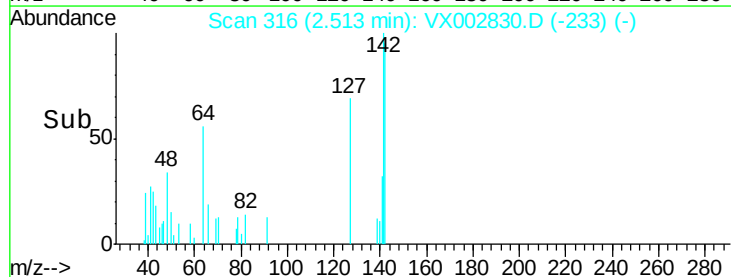
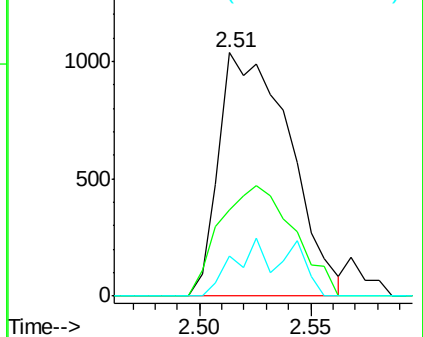
141 66.2 7.4 22.2#

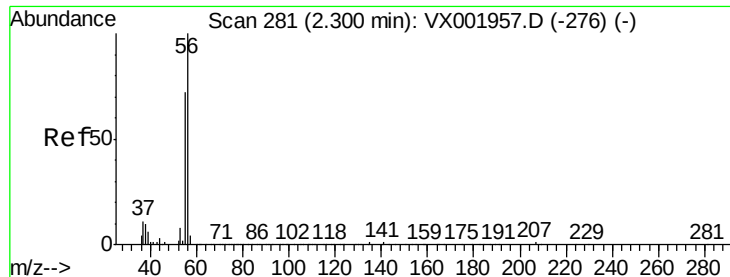


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.636 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.07 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

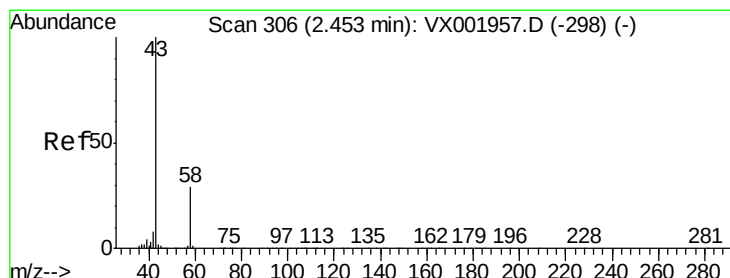
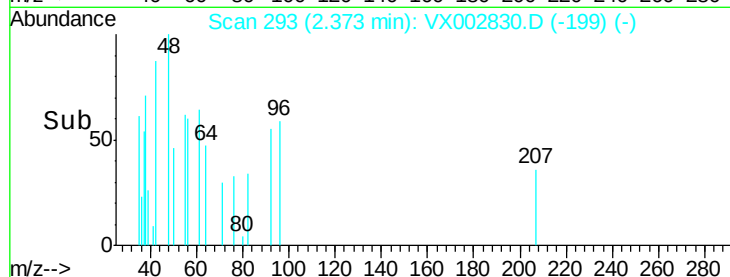
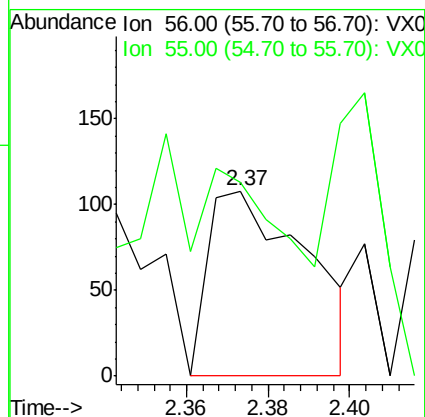
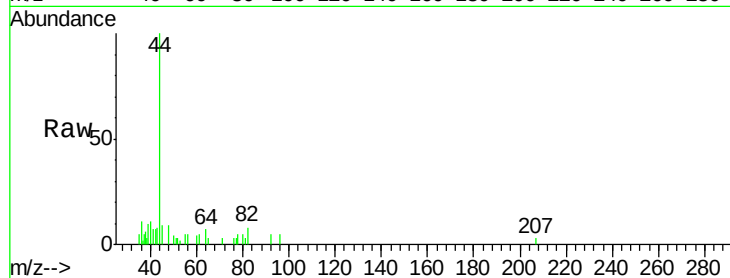
VX0622WBL01

Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 72.4 57.3 85.9



#15

Acetone

Concen: 1.906 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.01 min

Lab File: VX002830.D

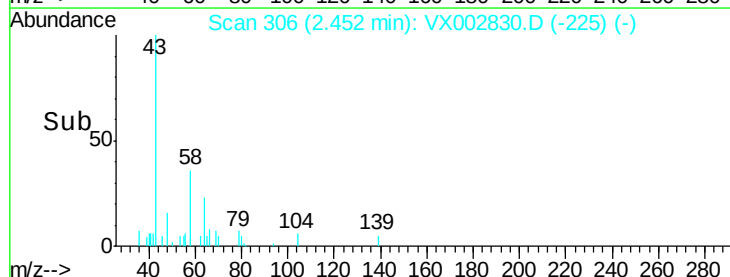
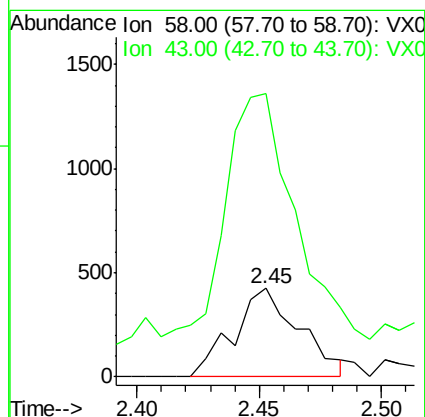
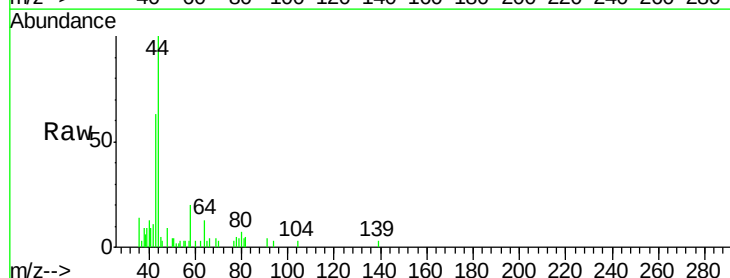
Acq: 22 Jun 2018 12:42

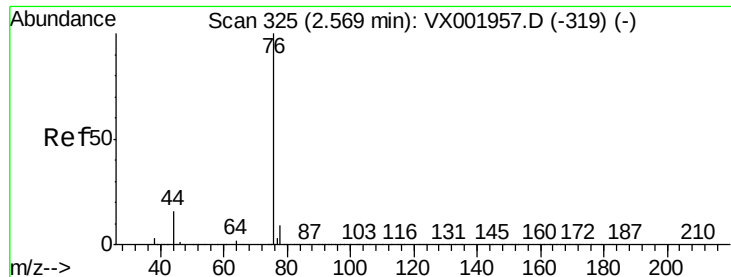
Tgt Ion: 58 Resp: 797

Ion Ratio Lower Upper

58 100

43 260.3 278.8 418.2#





#16

Carbon Disulfide

Concen: 0.322 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Instrument :

MSVOA_X

ClientSampled :

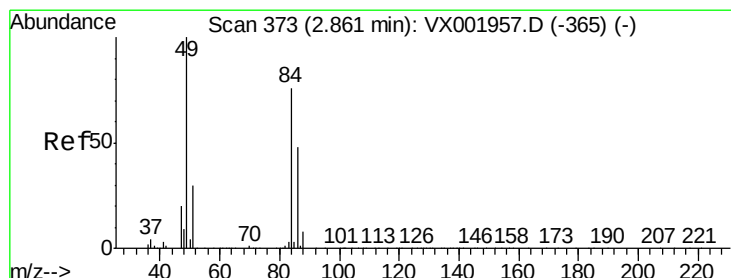
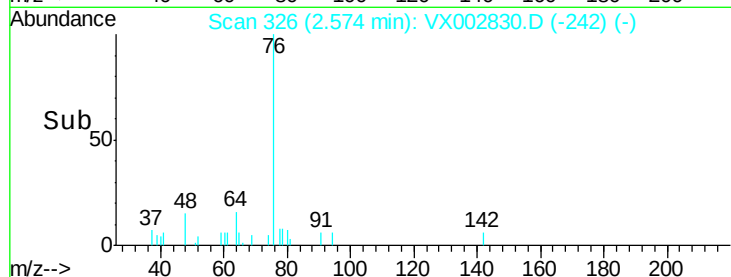
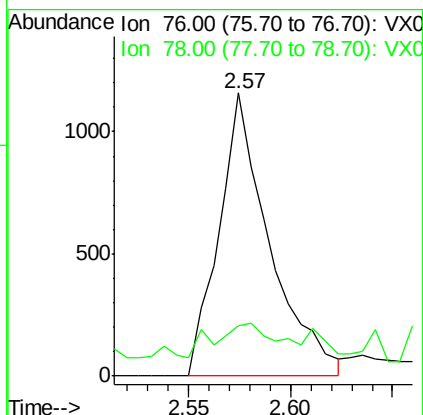
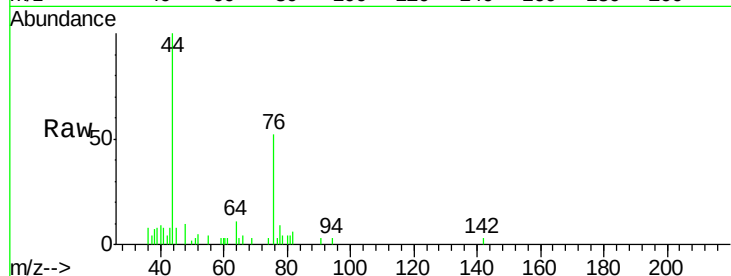
VX0622WBL01

Tgt Ion: 76 Resp: 1989

Ion Ratio Lower Upper

76 100

78 15.0 7.4 11.0#



#18

Methylene Chloride

Concen: 0.308 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Tgt Ion: 84 Resp: 868

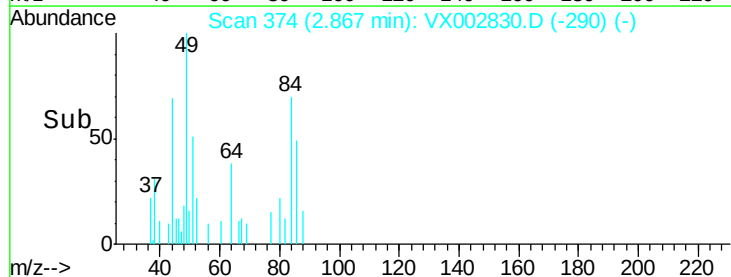
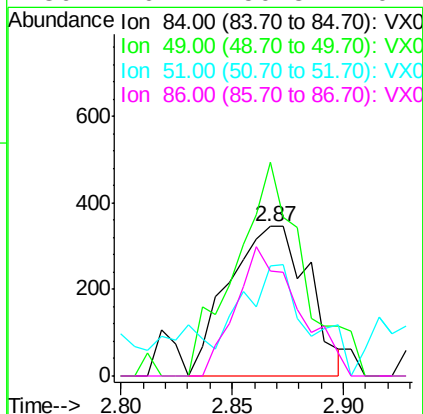
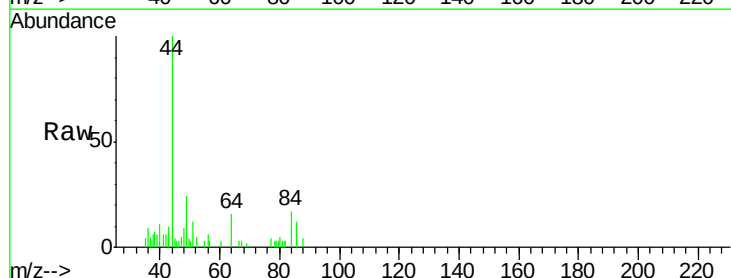
Ion Ratio Lower Upper

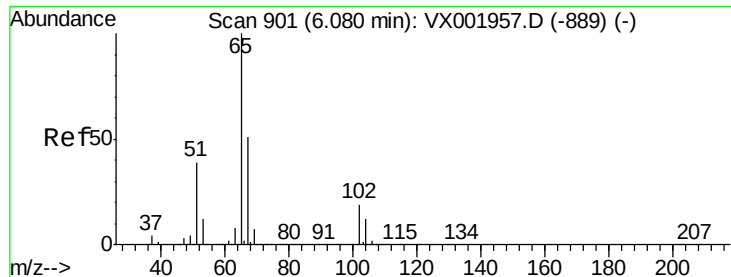
84 100

49 143.2 104.7 157.1

51 39.7 31.0 46.4

86 70.4 50.8 76.2

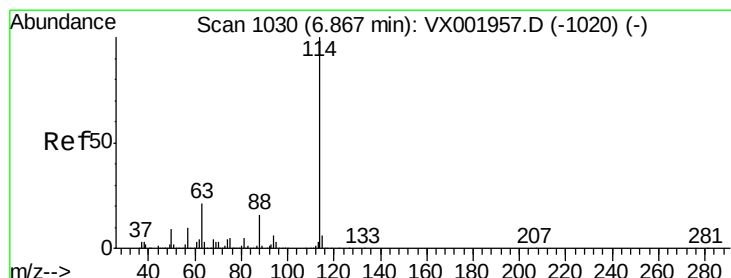
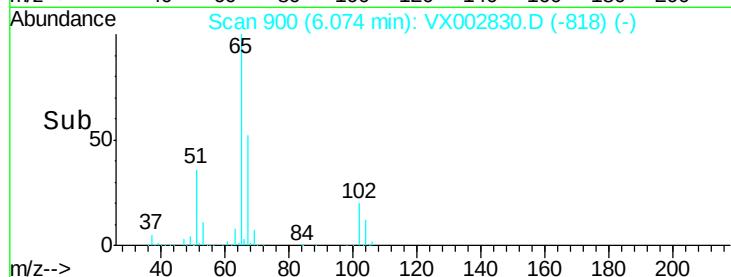
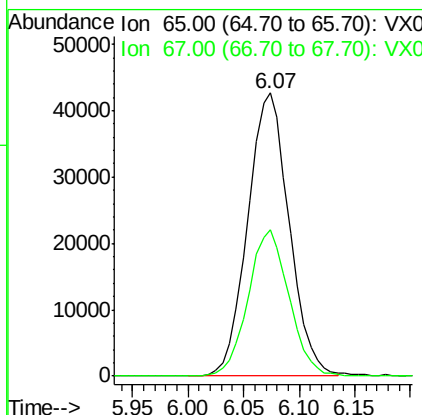
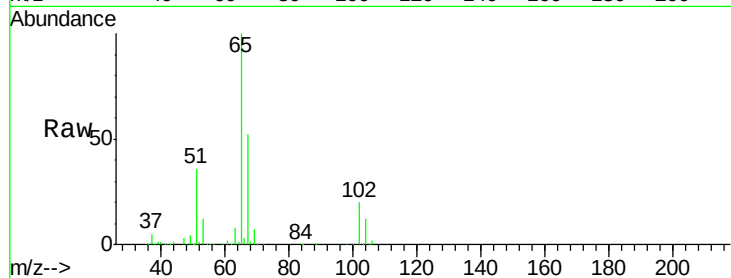




#27
 1,2-Dichloroethane-d4
 Concen: 30.452 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002830.D
 Acq: 22 Jun 2018 12:42

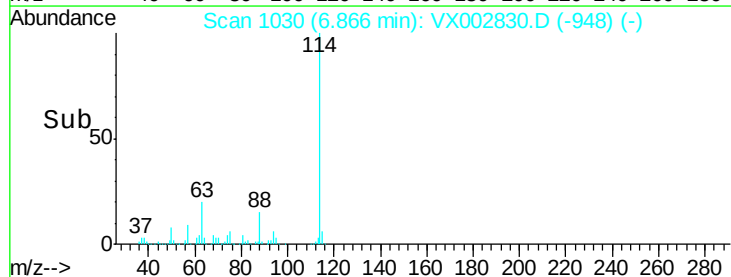
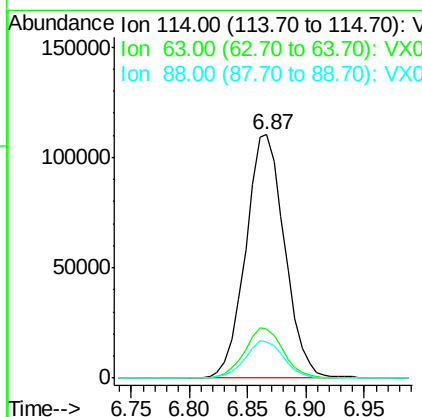
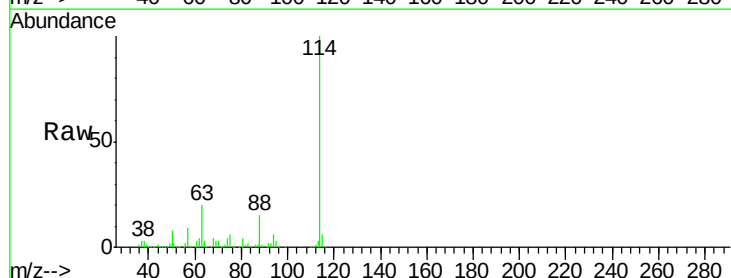
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

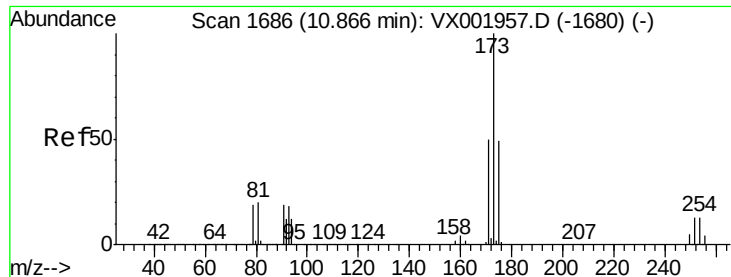
Tgt Ion: 65 Resp: 110892
 Ion Ratio Lower Upper
 65 100
 67 50.9 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002830.D
 Acq: 22 Jun 2018 12:42

Tgt Ion: 114 Resp: 257151
 Ion Ratio Lower Upper
 114 100
 63 20.6 17.1 25.7
 88 15.2 12.6 19.0





#56

Bromoform

Concen: 0.589 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.29 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

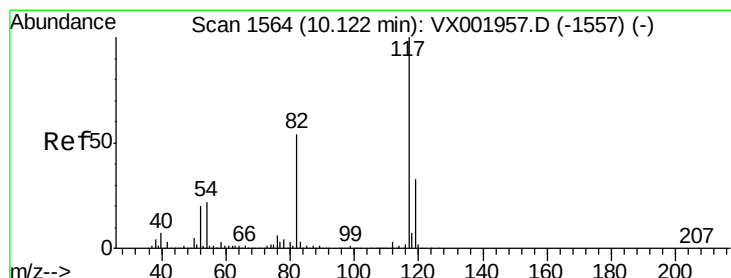
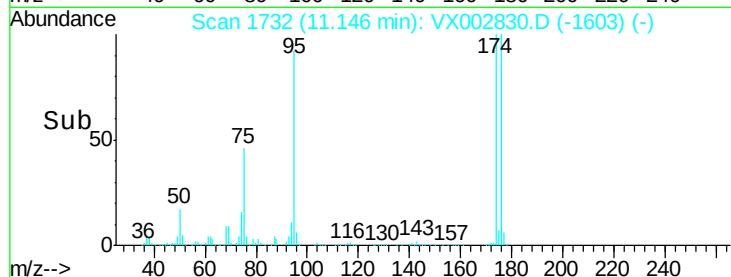
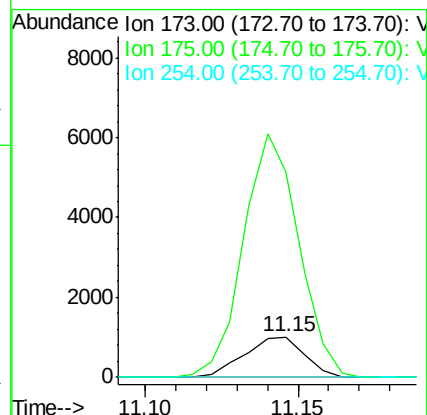
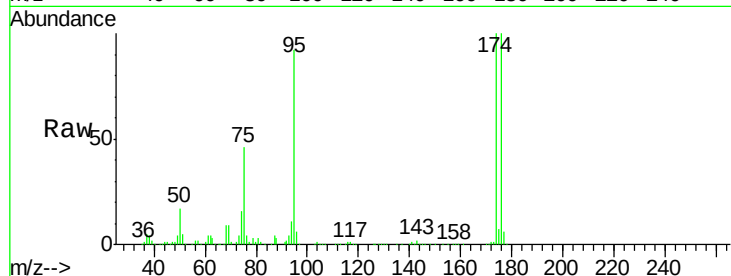
Tgt Ion:173 Resp: 1373

Ion Ratio Lower Upper

173 100

175 557.0 39.0 58.4#

254 0.0 9.6 14.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

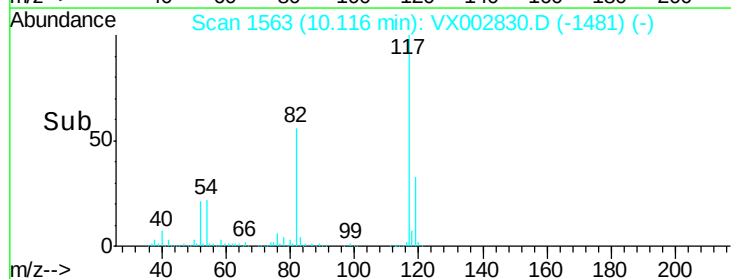
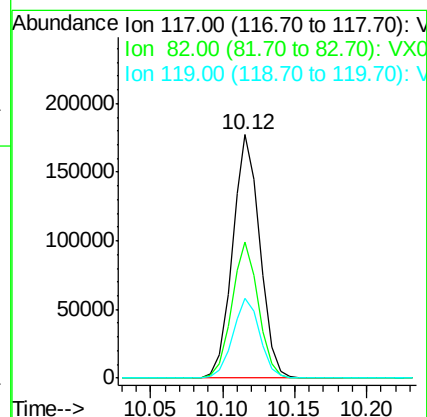
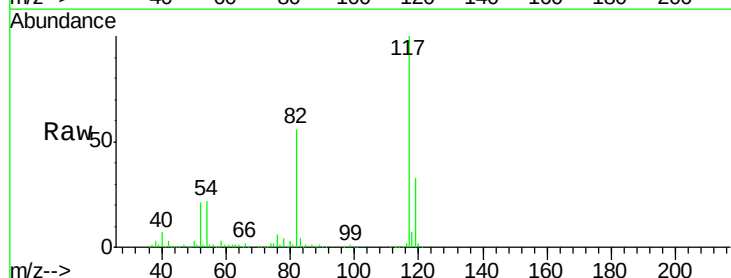
Tgt Ion:117 Resp: 235596

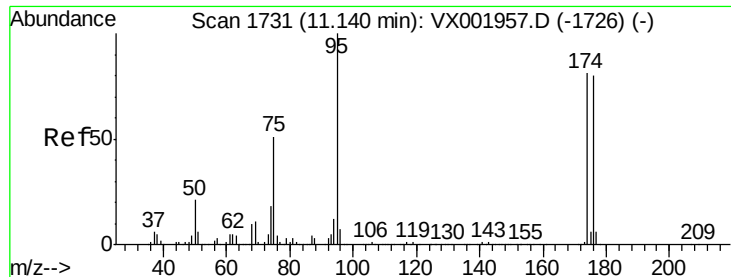
Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

119 32.7 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 27.405 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002830.D

Acq: 22 Jun 2018 12:42

Instrument :

MSVOA_X

ClientSampleId :

VX0622WBL01

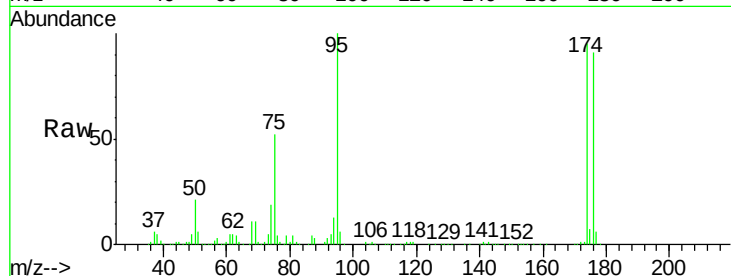
Tgt Ion: 95 Resp: 106635

Ion Ratio Lower Upper

95 100

174 96.9 71.8 107.6

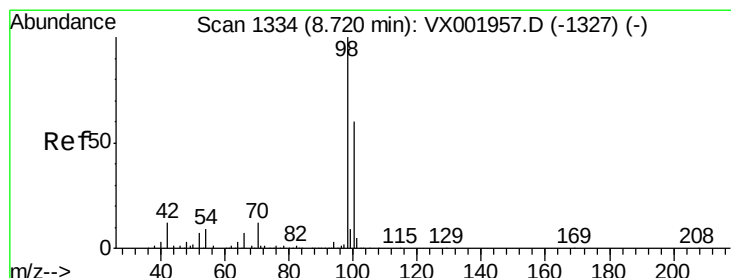
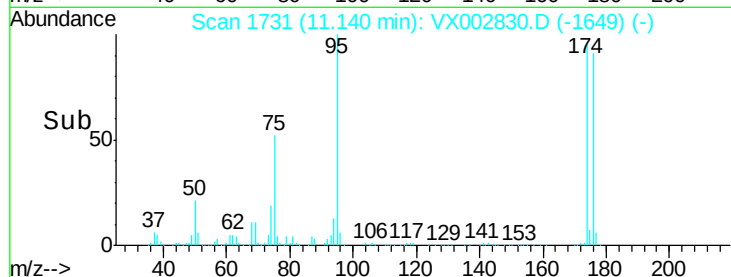
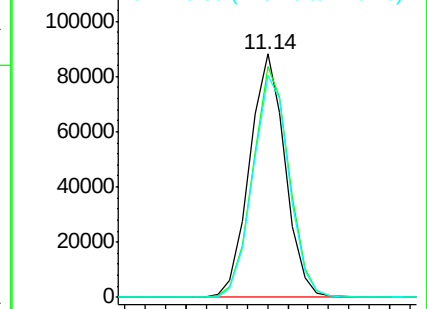
176 93.4 70.1 105.1



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: 29.679 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002830.D

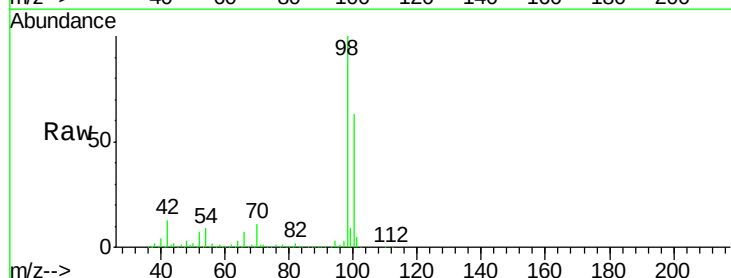
Acq: 22 Jun 2018 12:42

Tgt Ion: 98 Resp: 305442

Ion Ratio Lower Upper

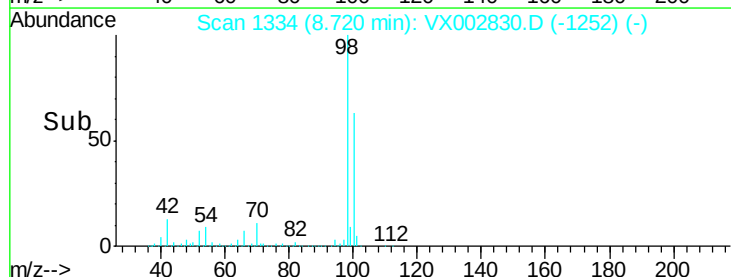
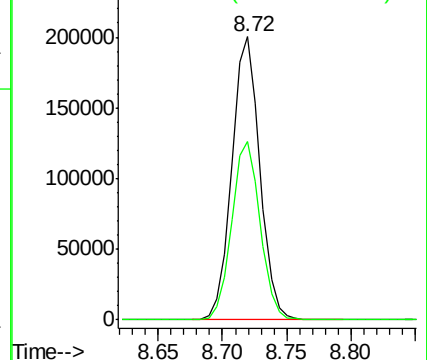
98 100

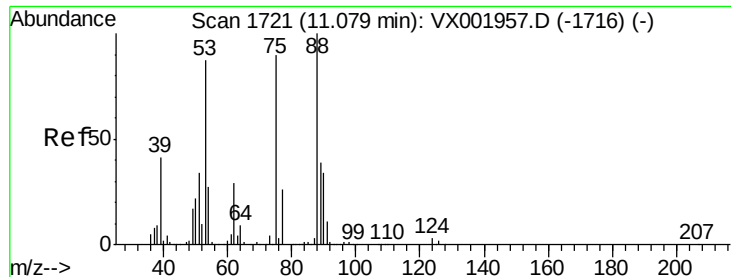
100 63.9 50.8 76.2



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: 50.457 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002830.D
 Acq: 22 Jun 2018 12:42

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0622WBL01

Tgt Ion: 75 Resp: 56153
 Ion Ratio Lower Upper
 75 100
 53 0.2 48.3 144.9#
 89 0.0 21.8 65.4#

