

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002140.D
 Acq On : 30 May 2018 14:49
 Operator : JC/MD
 Sample : J3093-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: May 31 02:09:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	50197	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	284930	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	253024	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	126341	31.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.60%
60) 4-Bromofluorobenzene	11.14	95	116535	26.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.70%
63) Toluene-d8	8.72	98	341617	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

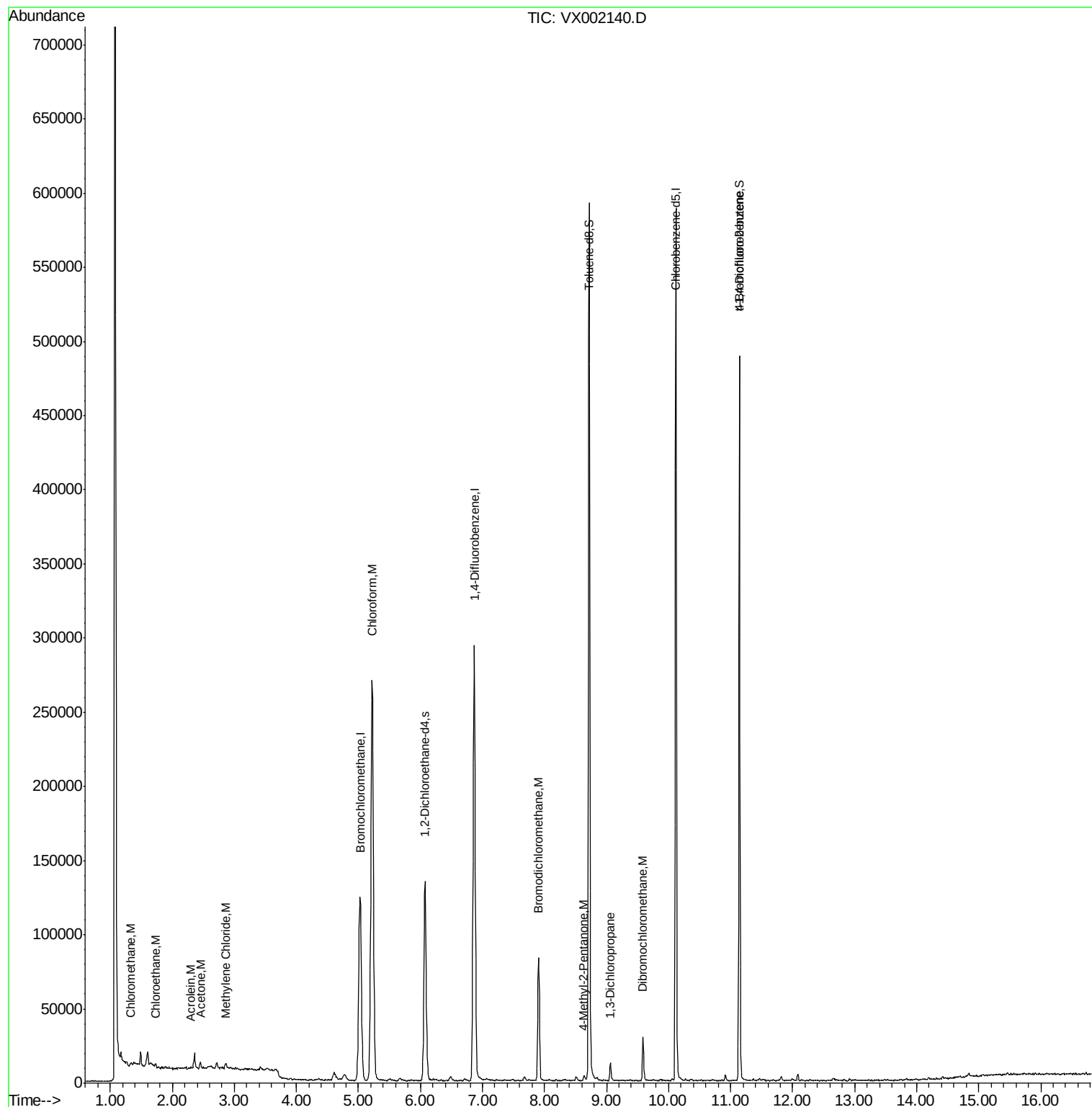
						Qvalue
3) Chloromethane	1.32	50	1047	0.33	ug/l	92
6) Chloroethane	1.73	64	1227	0.66	ug/l	98
13) Acrolein	2.30	56	736	2.14	ug/l	85
15) Acetone	2.45	58	1158	2.61	ug/l	87
18) Methylene Chloride	2.86	84	1539	0.55	ug/l #	81
25) Chloroform	5.22	83	307486	55.82	ug/l	99
41) Bromodichloromethane	7.90	83	48821	10.78	ug/l	99
52) 1,3-Dichloropropane	9.06	76	1760	0.33	ug/l	45
53) Dibromochloromethane	9.59	129	4250	1.11	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	3317	0.60	ug/l #	51
77) t-1,4-Dichloro-2-butene	11.14	75	61244	38.74	ug/l #	11

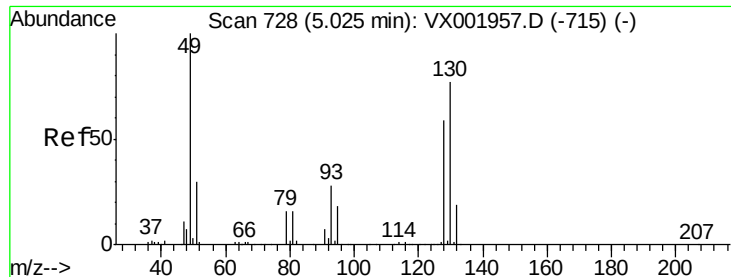
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
14B-1

Quant Time: May 31 02:09:37 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X052518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 25 02:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.00 min

Lab File: VX002140.D

Acq: 30 May 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

14B-1

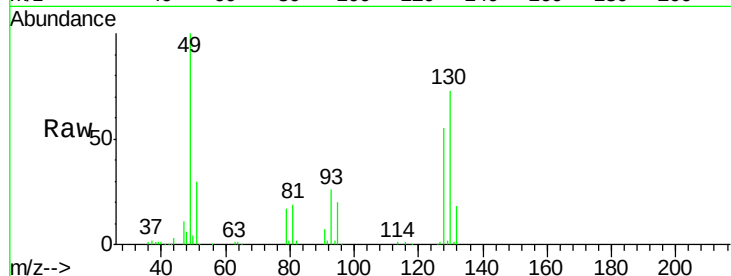
Tgt Ion:128 Resp: 50197

Ion Ratio Lower Upper

128 100

49 176.4 0.0 423.0

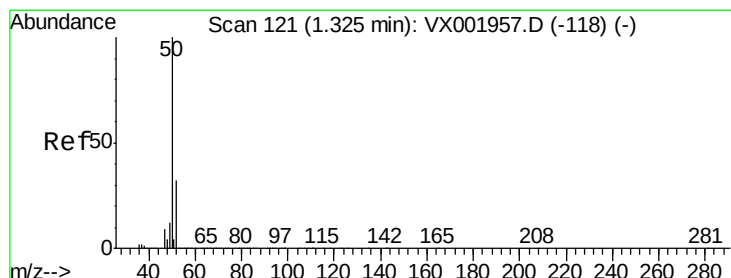
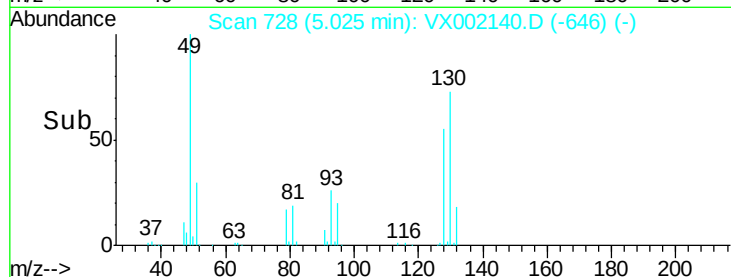
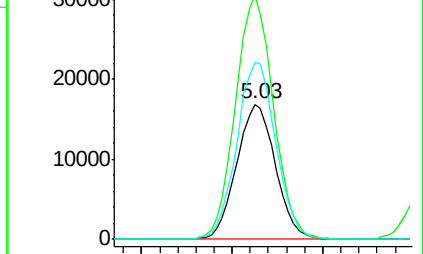
130 131.8 0.0 324.3



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



#3

Chloromethane

Concen: 0.33 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002140.D

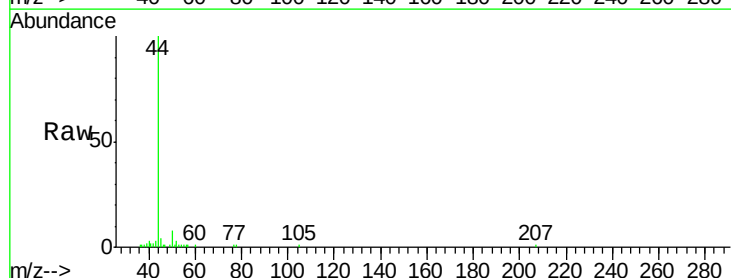
Acq: 30 May 2018 14:49

Tgt Ion: 50 Resp: 1047

Ion Ratio Lower Upper

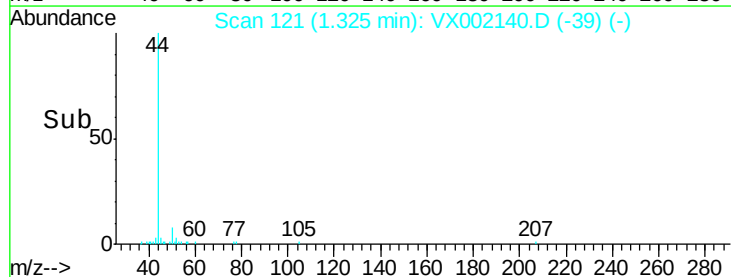
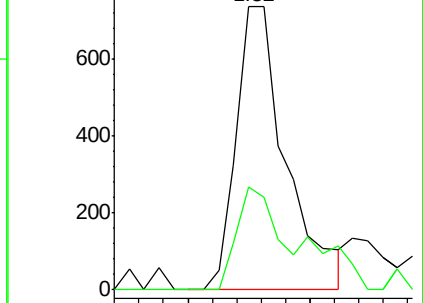
50 100

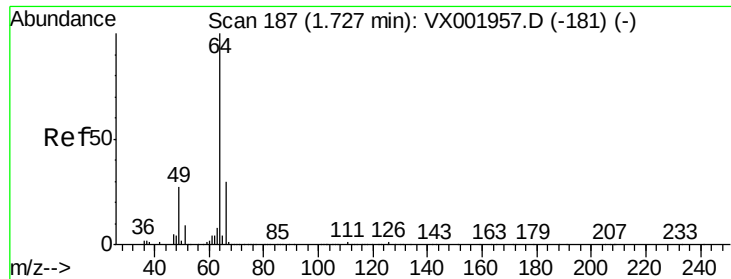
52 36.3 25.6 38.4



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#6

Chloroethane

Concen: 0.66 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX002140.D

Acq: 30 May 2018 14:49

Instrument :

MSVOA_X

ClientSampled :

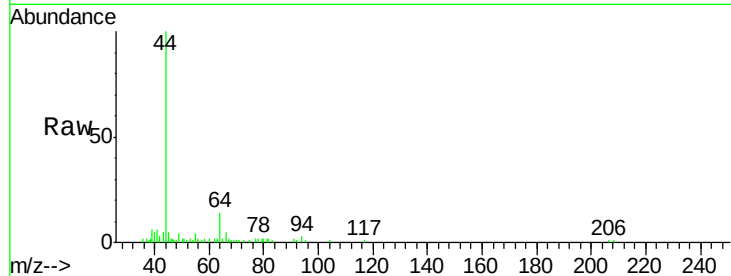
14B-1

Tgt Ion: 64 Resp: 1227

Ion Ratio Lower Upper

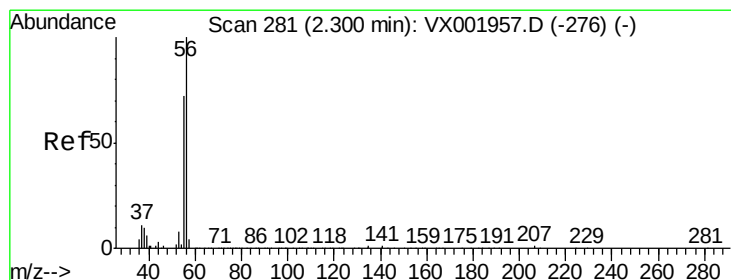
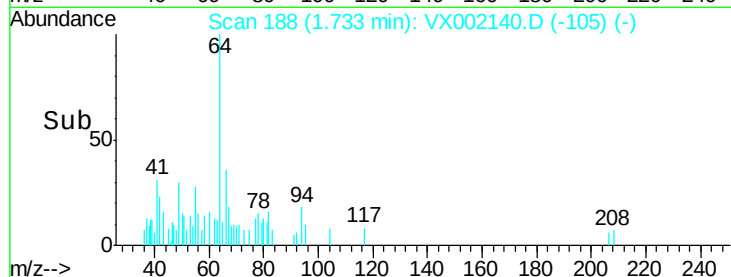
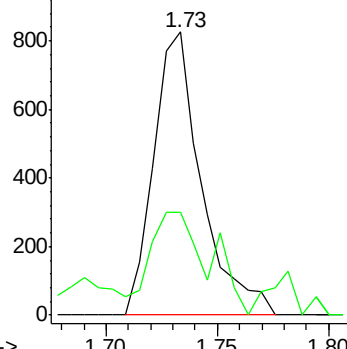
64 100

66 29.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



#13

Acrolein

Concen: 2.14 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002140.D

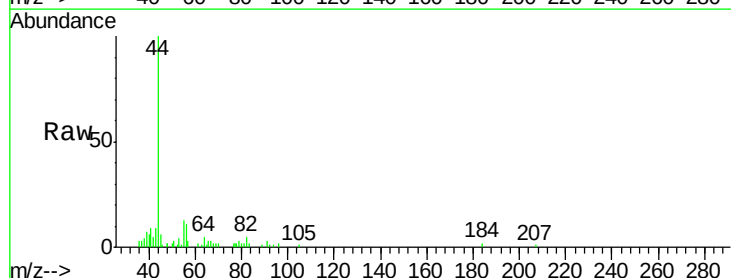
Acq: 30 May 2018 14:49

Tgt Ion: 56 Resp: 736

Ion Ratio Lower Upper

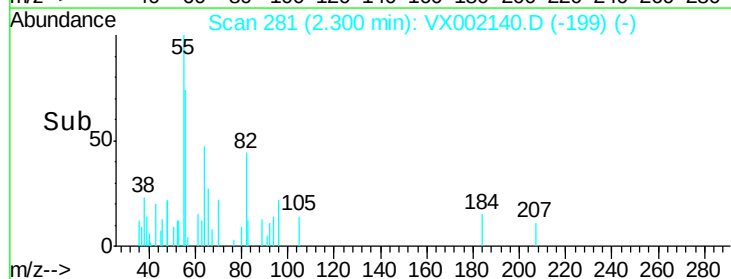
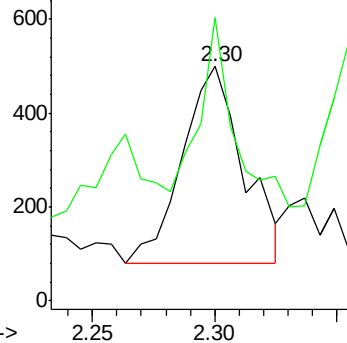
56 100

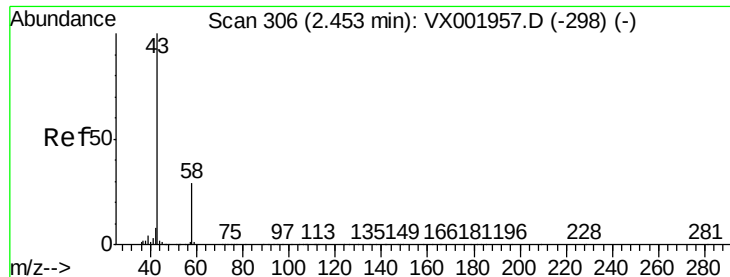
55 58.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 2.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002140.D

Acq: 30 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

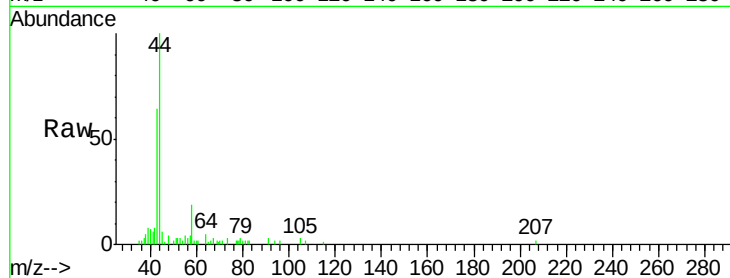
14B-1

Tgt Ion: 58 Resp: 1158

Ion Ratio Lower Upper

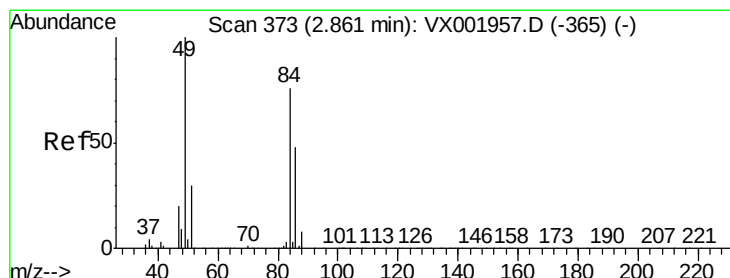
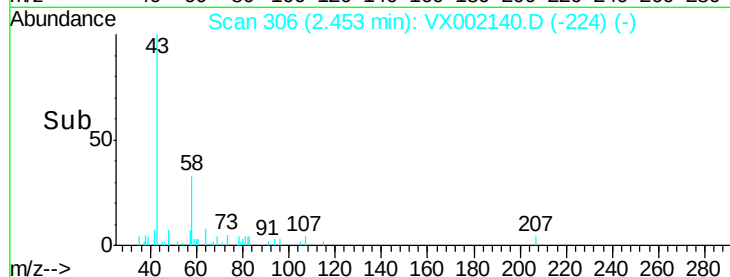
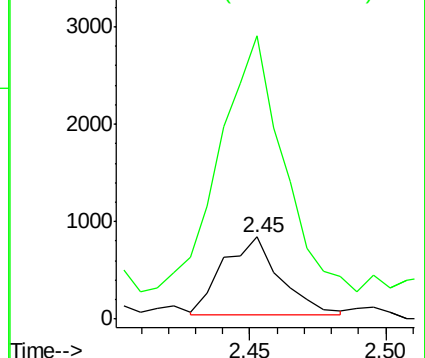
58 100

43 320.1 278.8 418.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#18

Methylene Chloride

Concen: 0.55 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002140.D

Acq: 30 May 2018 14:49

Tgt Ion: 84 Resp: 1539

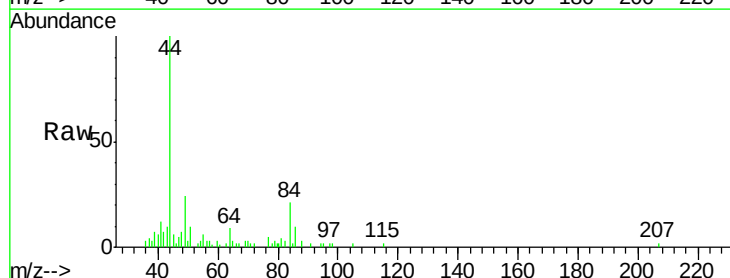
Ion Ratio Lower Upper

84 100

49 103.6 104.7 157.1#

51 34.5 31.0 46.4

86 48.9 50.8 76.2#

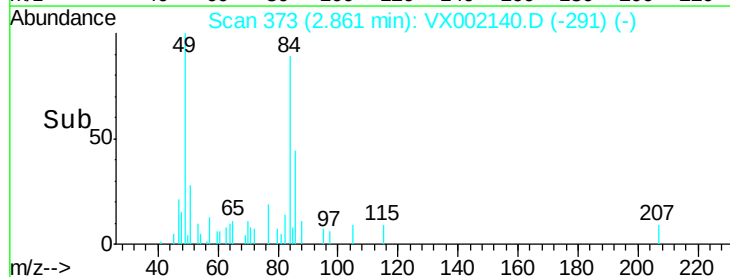
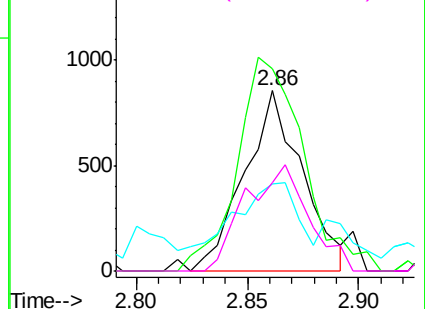


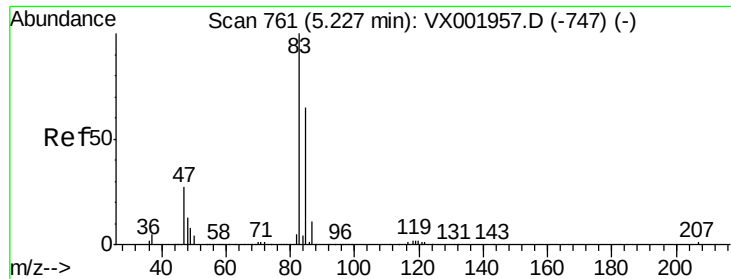
Abundance Ion 84.00 (83.70 to 84.70): VX0

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

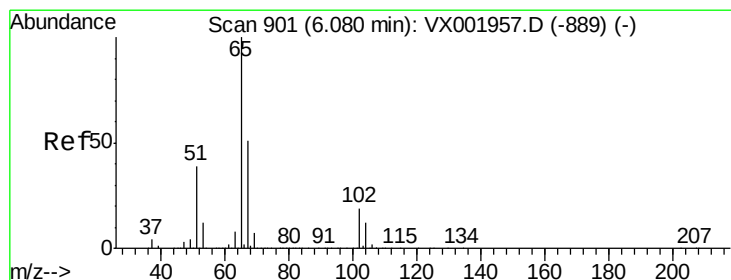
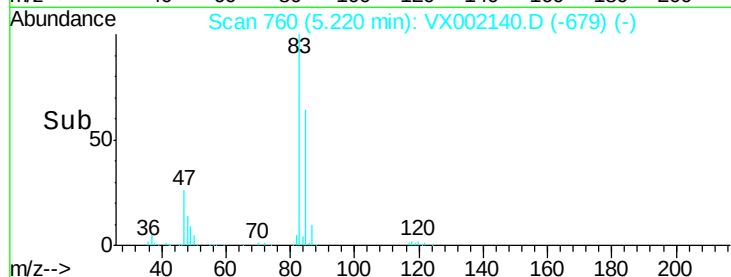
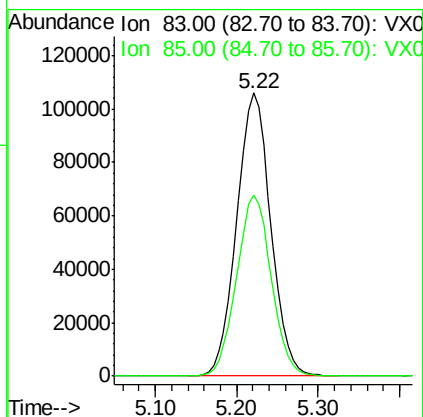
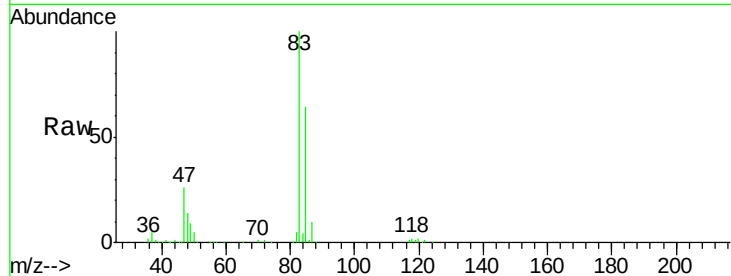




#25
Chloroform
Concen: 55.82 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

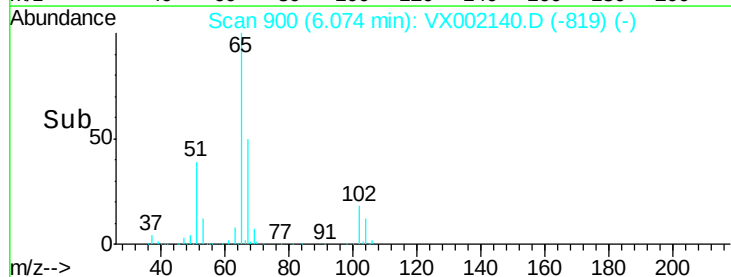
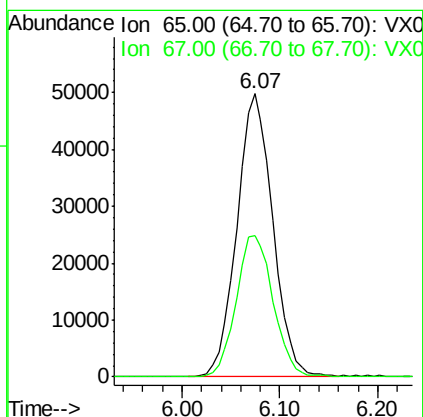
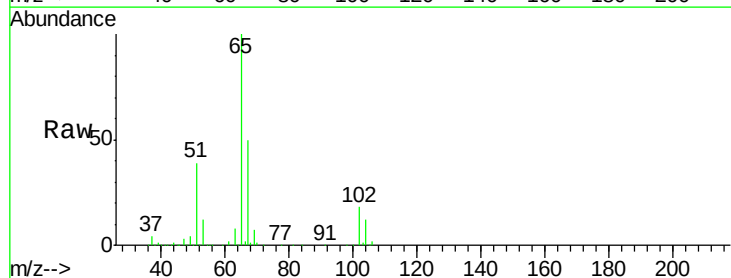
Instrument :
MSVOA_X
ClientSampleId :
14B-1

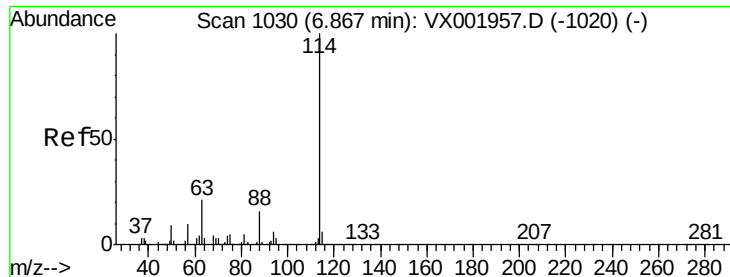
Tgt Ion: 83 Resp: 307486
Ion Ratio Lower Upper
83 100
85 63.8 51.9 77.9



#27
1,2-Dichloroethane-d4
Concen: 31.98 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

Tgt Ion: 65 Resp: 126341
Ion Ratio Lower Upper
65 100
67 51.5 40.9 61.3

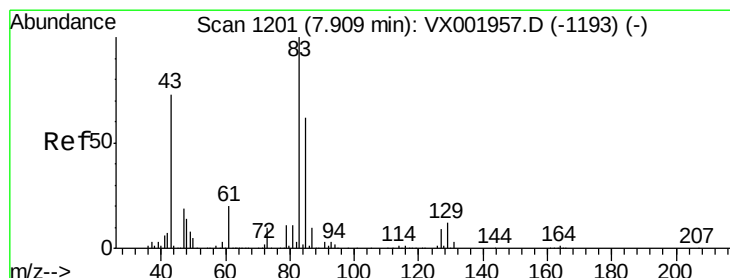
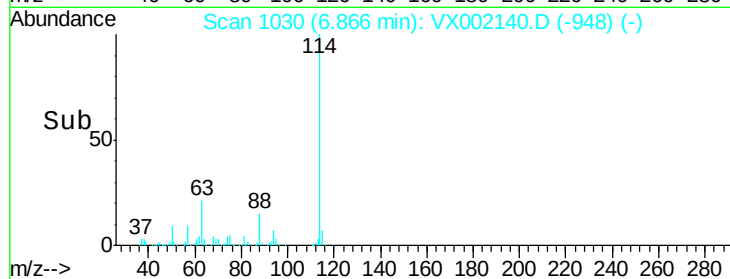
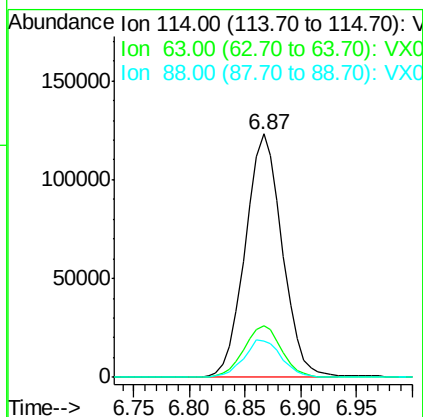
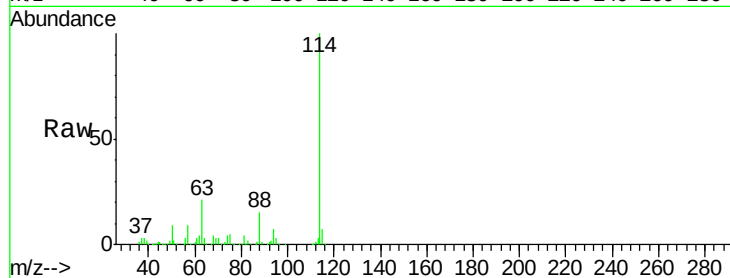




#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002140.D
 Acq: 30 May 2018 14:49

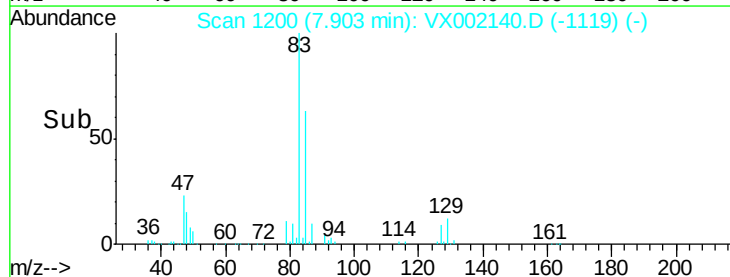
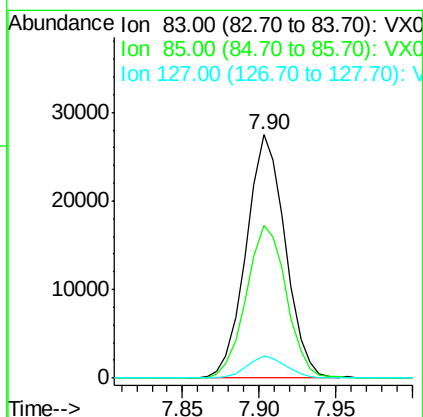
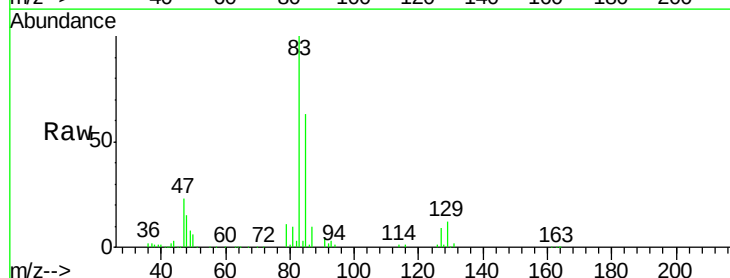
Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

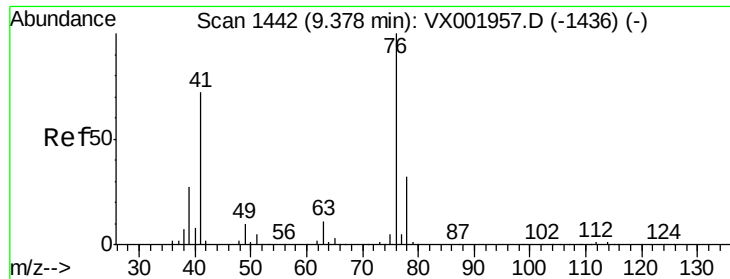
Tgt Ion: 114 Resp: 284930
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.1 25.7
 88 15.7 12.6 19.0



#41
 Bromodichloromethane
 Concen: 10.78 ug/l
 RT: 7.90 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VX002140.D
 Acq: 30 May 2018 14:49

Tgt Ion: 83 Resp: 48821
 Ion Ratio Lower Upper
 83 100
 85 62.9 49.8 74.8
 127 9.2 7.3 10.9





#52

1,3-Dichloropropane

Concen: 0.33 ug/l

RT: 9.06 min Scan# 1390

Delta R.T. -0.32 min

Lab File: VX002140.D

Acq: 30 May 2018 14:49

Instrument :

MSVOA_X

ClientSampleId :

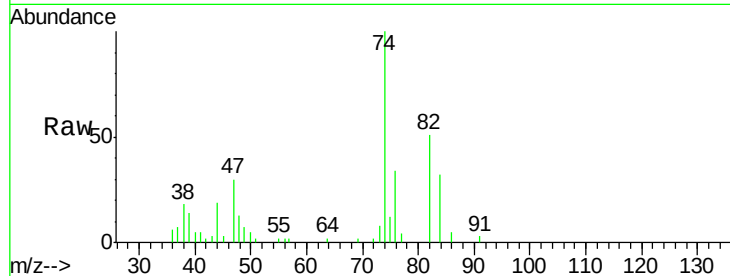
14B-1

Tgt Ion: 76 Resp: 1760

Ion Ratio Lower Upper

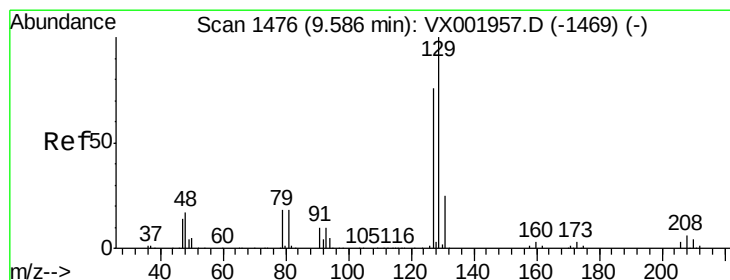
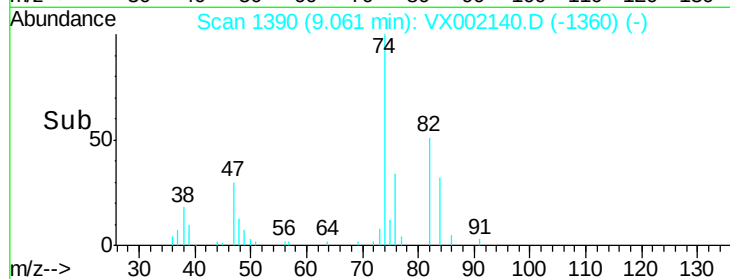
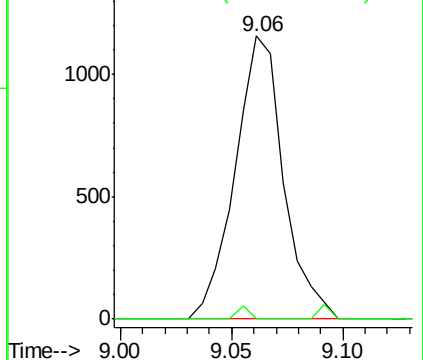
76 100

78 1.1 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0



#53

Dibromochloromethane

Concen: 1.11 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.00 min

Lab File: VX002140.D

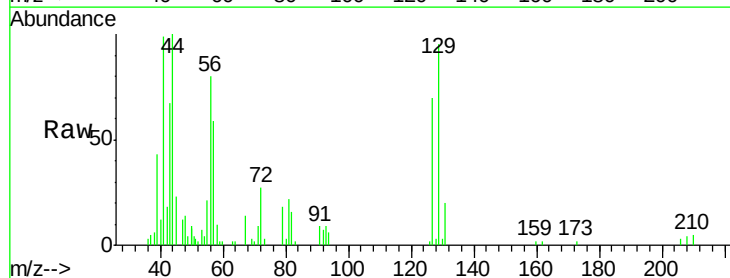
Acq: 30 May 2018 14:49

Tgt Ion: 129 Resp: 4250

Ion Ratio Lower Upper

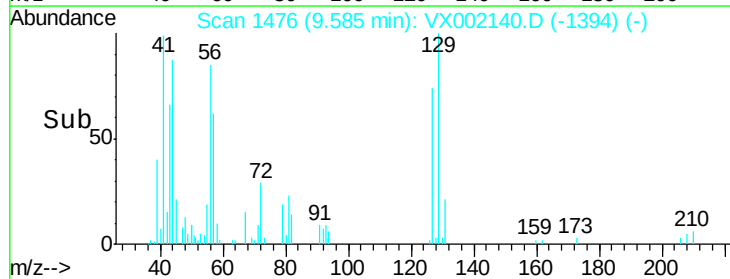
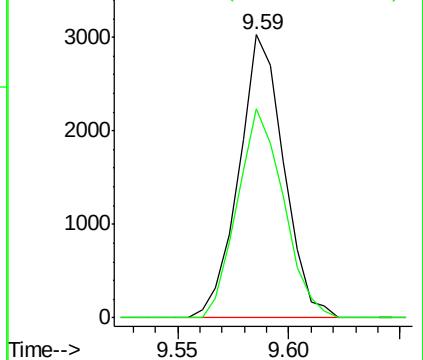
129 100

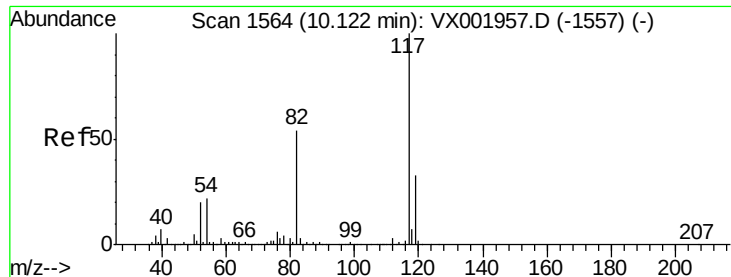
127 75.7 38.5 115.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

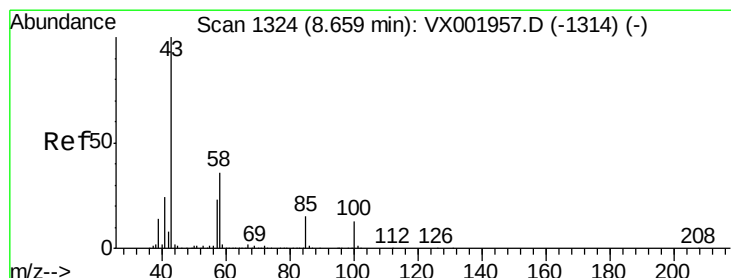
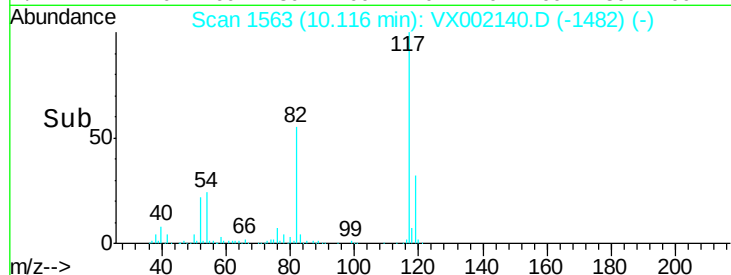
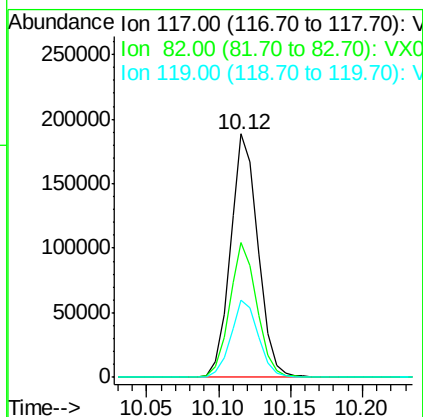
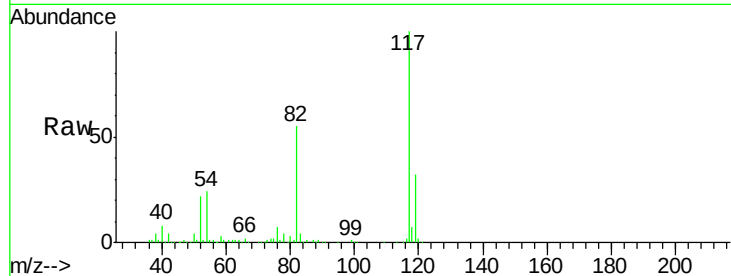




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

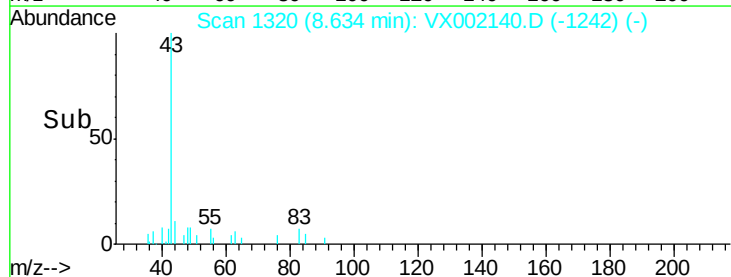
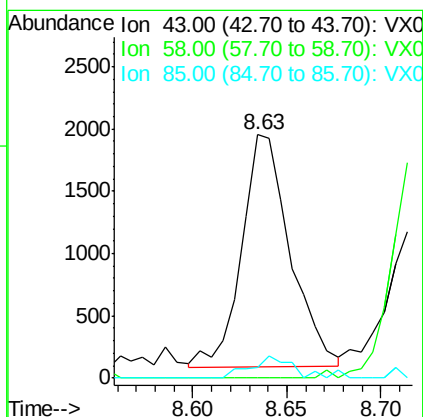
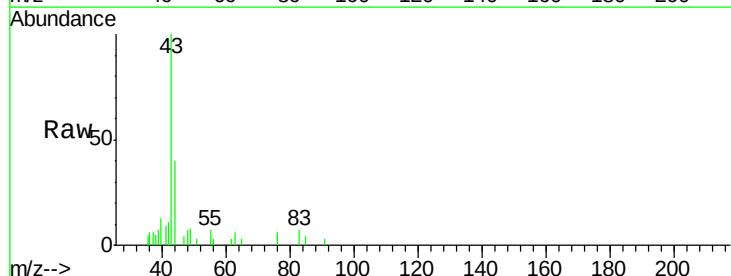
Instrument :
MSVOA_X
ClientSampled :
14B-1

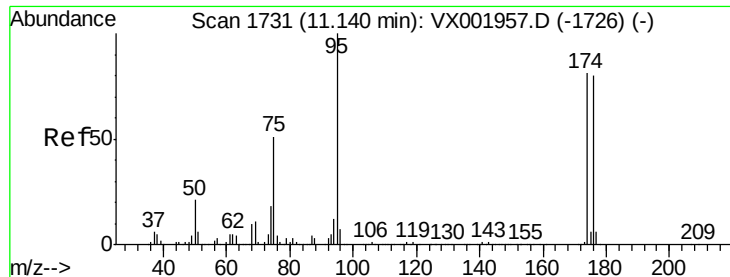
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.3	66.5
119	31.8	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.60 ug/l
RT: 8.63 min Scan# 1320
Delta R.T. -0.02 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.4#
85	5.8	12.4	18.6#

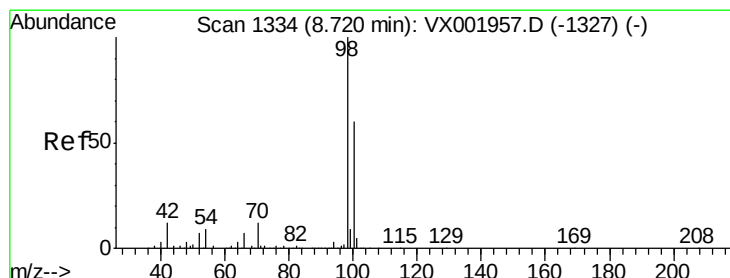
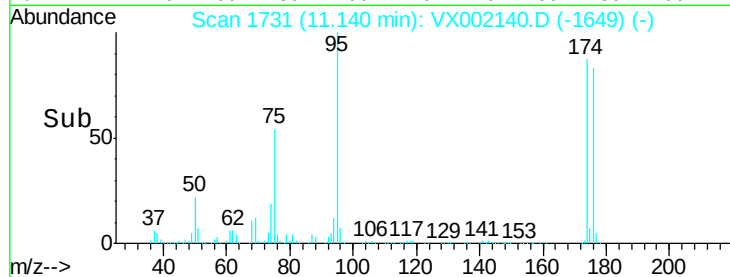
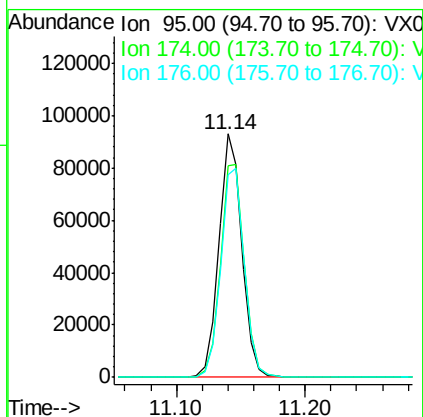
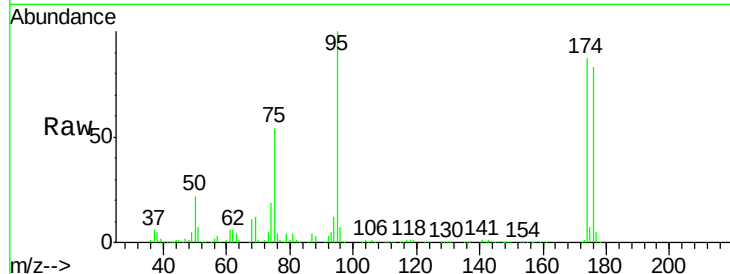




#60
4-Bromofluorobenzene
Concen: 26.91 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

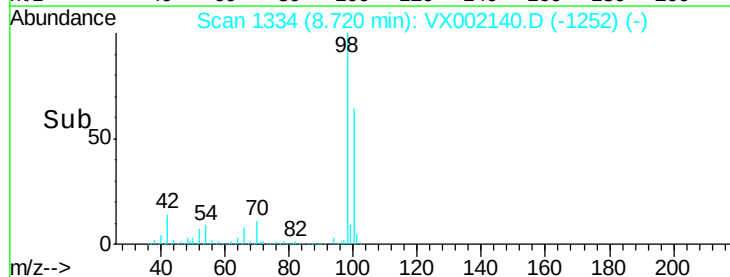
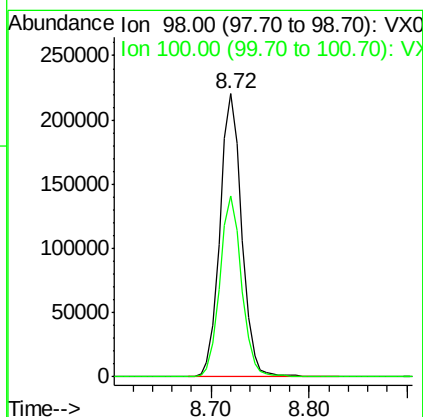
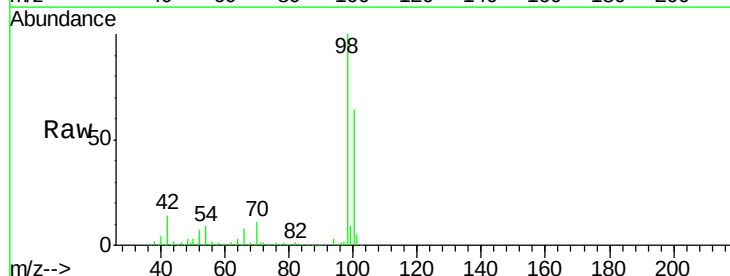
Instrument :
MSVOA_X
ClientSampleId :
14B-1

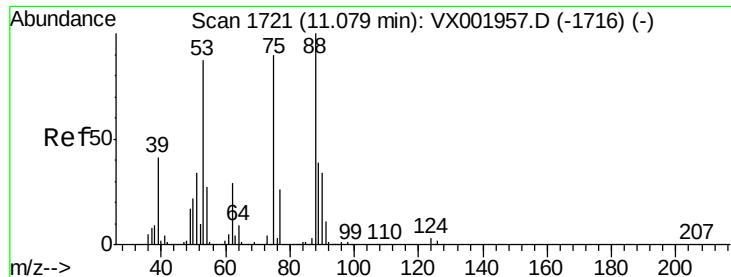
Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	71.8	107.6
176	88.7	70.1	105.1



#63
Toluene-d8
Concen: 30.29 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.8	76.2





#77
t-1,4-Dichloro-2-butene
Concen: 38.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002140.D
Acq: 30 May 2018 14:49

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 61244
Ion Ratio Lower Upper
75 100
53 0.2 48.3 144.9#
89 0.0 21.8 65.4#

