

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX053018\
 Data File : VX002136.D
 Acq On : 30 May 2018 13:03
 Operator : JC/MD
 Sample : J3070-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14B-1

Quant Time: May 31 02:08:30 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	53143	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	314905	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	276184	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	133440	31.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.37%
60) 4-Bromofluorobenzene	11.14	95	130741	27.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.17%
63) Toluene-d8	8.72	98	378878	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

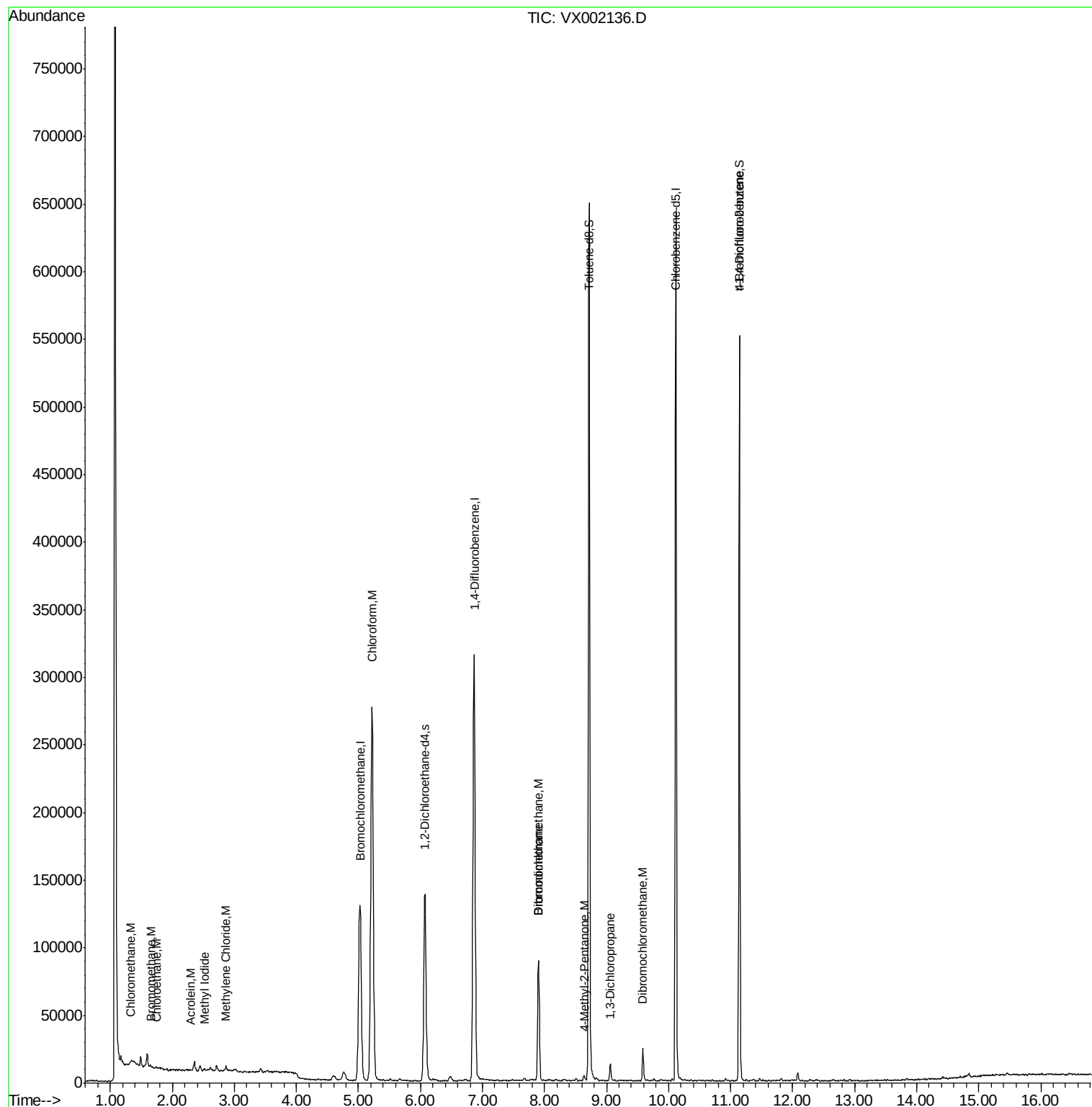
						Qvalue
3) Chloromethane	1.33	50	736	0.22	ug/l #	71
5) Bromomethane	1.66	94	970	0.52	ug/l	84
6) Chloroethane	1.73	64	853	0.43	ug/l #	73
11) Methyl Iodide	2.51	142	1101	0.27	ug/l	98
13) Acrolein	2.30	56	568	1.56	ug/l	88
18) Methylene Chloride	2.86	84	1622	0.55	ug/l	92
25) Chloroform	5.22	83	317768	54.49	ug/l	98
40) Dibromomethane	7.90	93	1746	0.72	ug/l #	1
41) Bromodichloromethane	7.90	83	52611	10.51	ug/l	97
52) 1,3-Dichloropropane	9.06	76	1560	0.27	ug/l #	43
53) Dibromochloromethane	9.59	129	4445	1.05	ug/l	97
58) 4-Methyl-2-Pentanone	8.63	43	3408	0.57	ug/l #	56
77) t-1,4-Dichloro-2-butene	11.14	75	69062	40.02	ug/l #	11

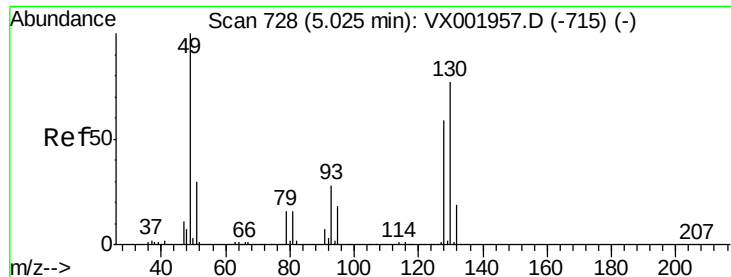
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Quant Time: May 31 02:08:30 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: VX002136.D

Acq: 30 May 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

14B-1

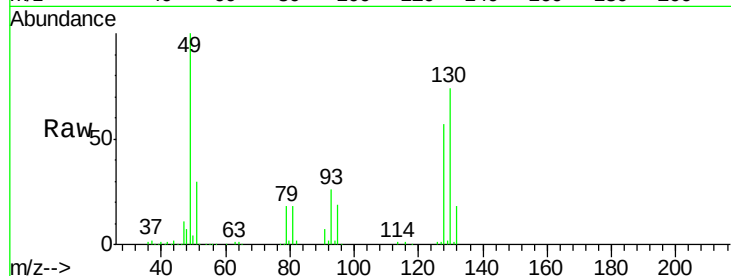
Tgt Ion:128 Resp: 53143

Ion Ratio Lower Upper

128 100

49 175.0 0.0 423.0

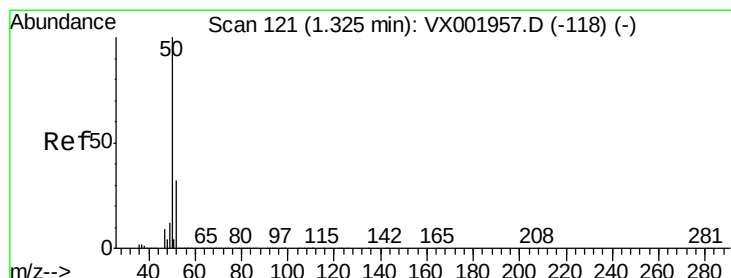
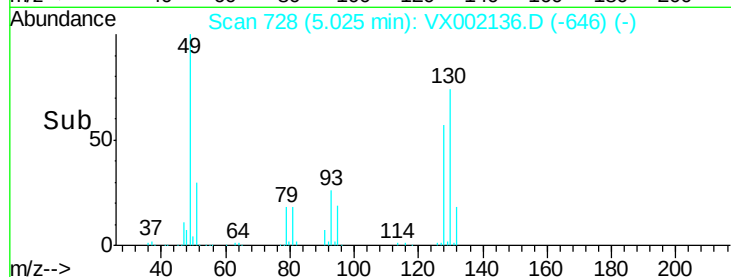
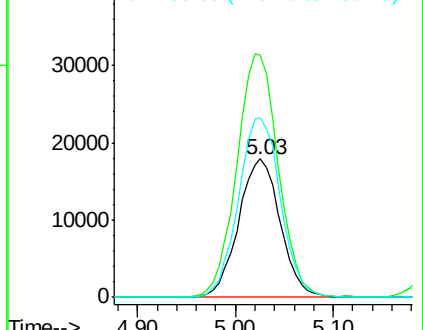
130 131.5 0.0 324.3



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



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002136.D

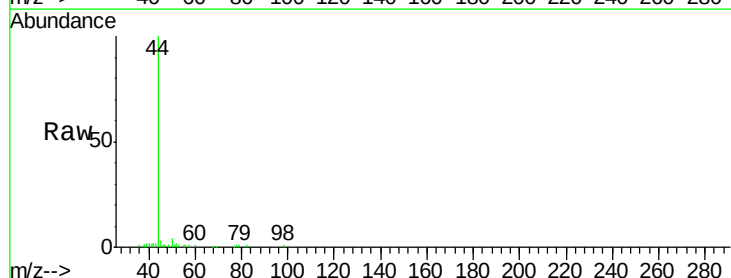
Acq: 30 May 2018 13:03

Tgt Ion: 50 Resp: 736

Ion Ratio Lower Upper

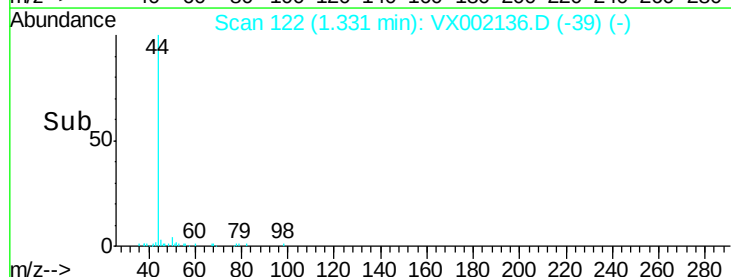
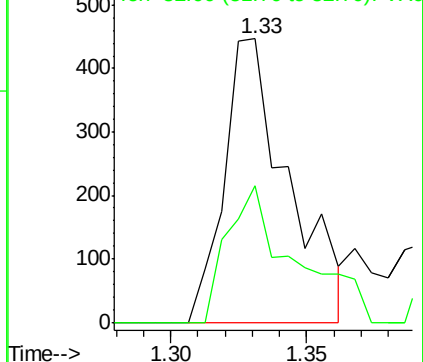
50 100

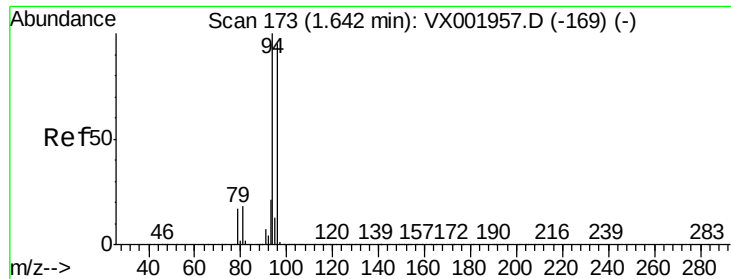
52 48.1 25.6 38.4#



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.52 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002136.D

Acq: 30 May 2018 13:03

Instrument :

MSVOA_X

ClientSampled :

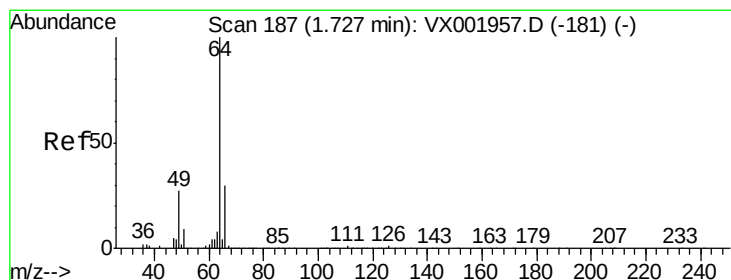
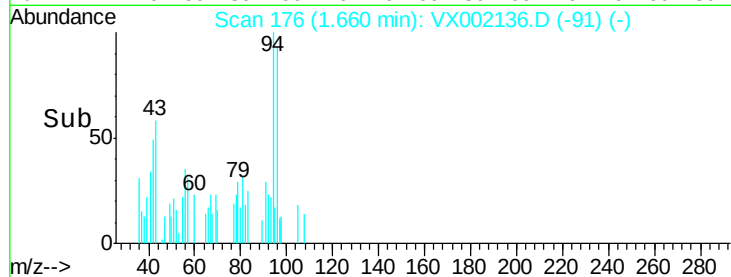
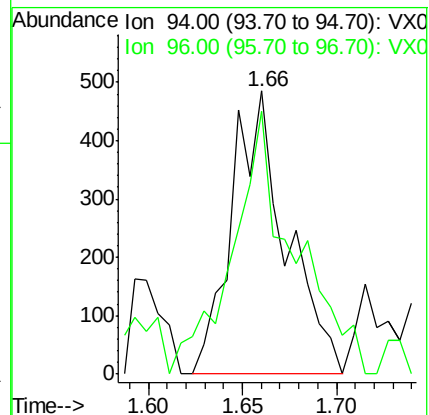
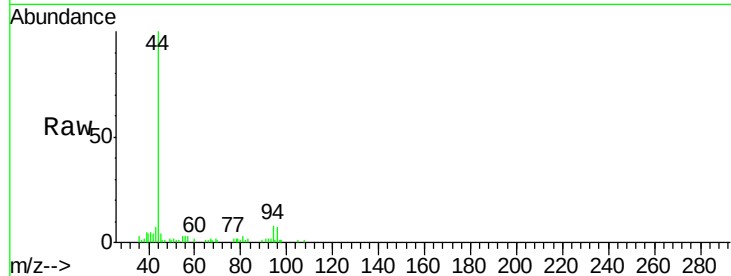
14B-1

Tgt Ion: 94 Resp: 970

Ion Ratio Lower Upper

94 100

96 79.0 75.7 113.5



#6

Chloroethane

Concen: 0.43 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX002136.D

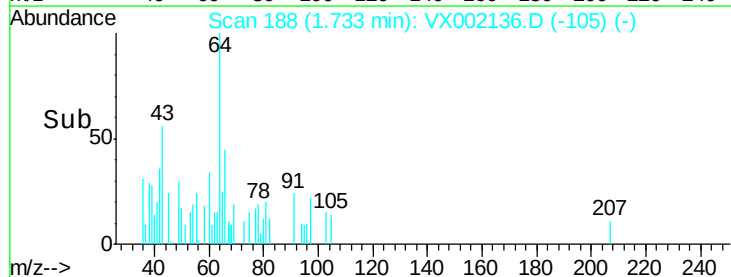
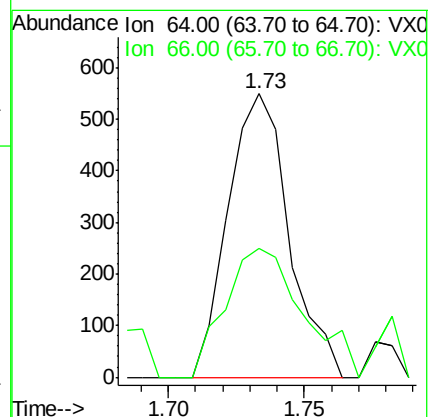
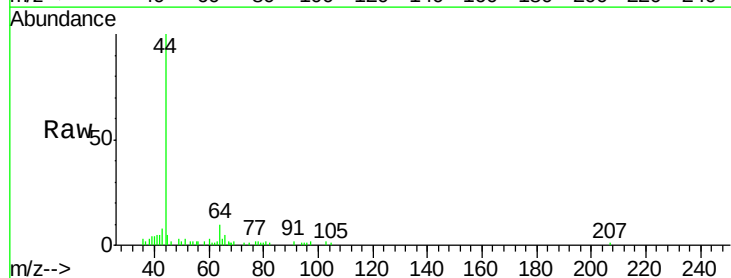
Acq: 30 May 2018 13:03

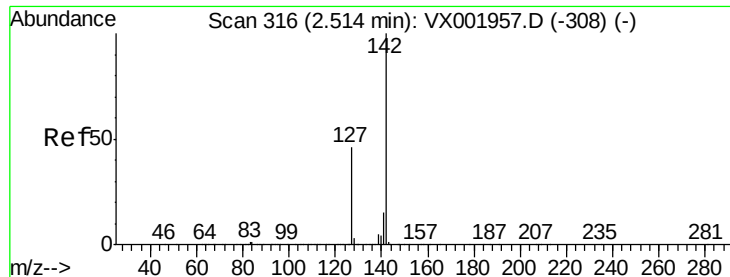
Tgt Ion: 64 Resp: 853

Ion Ratio Lower Upper

64 100

66 45.4 24.3 36.5#

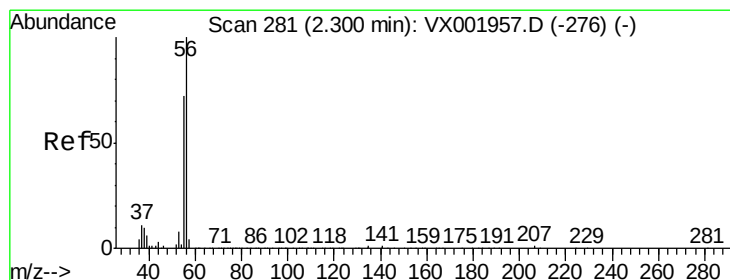
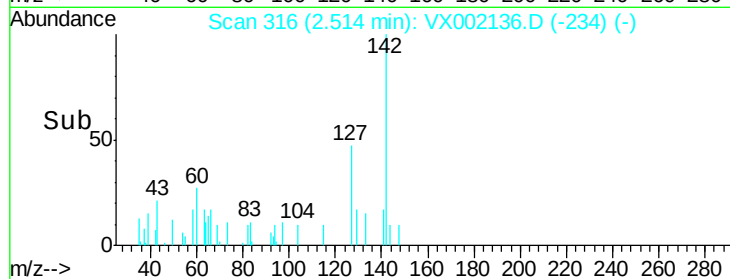
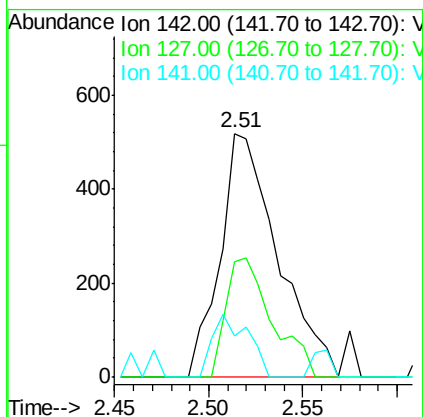
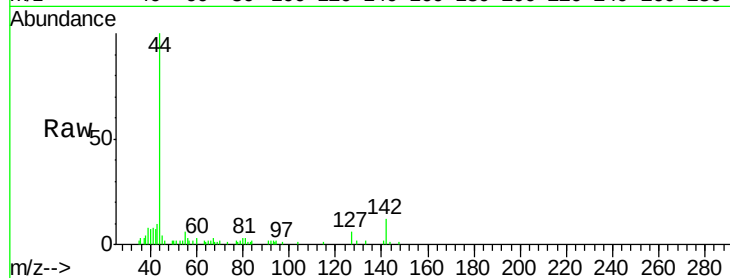




#11
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

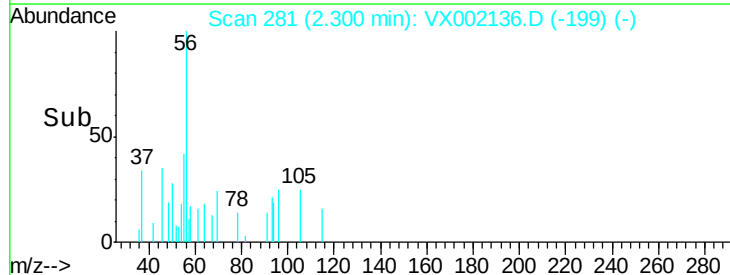
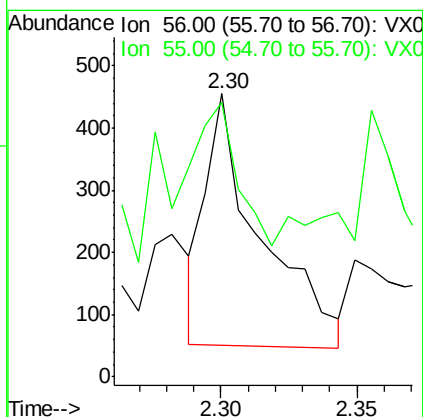
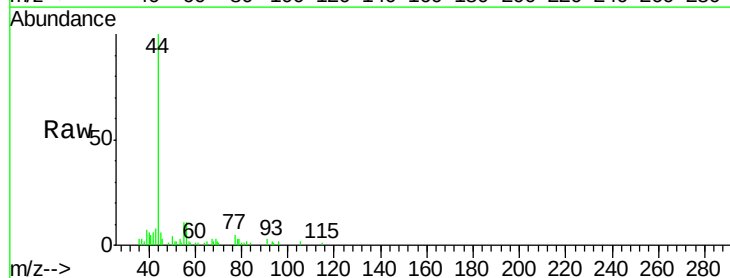
Instrument :
MSVOA_X
ClientSampled :
14B-1

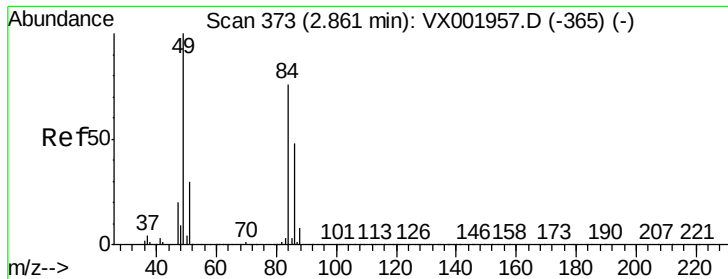
Tgt Ion: 142 Resp: 1101
Ion Ratio Lower Upper
142 100
127 47.3 23.2 69.6
141 17.0 7.4 22.2



#13
Acrolein
Concen: 1.56 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.00 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Tgt Ion: 56 Resp: 568
Ion Ratio Lower Upper
56 100
55 61.3 57.3 85.9

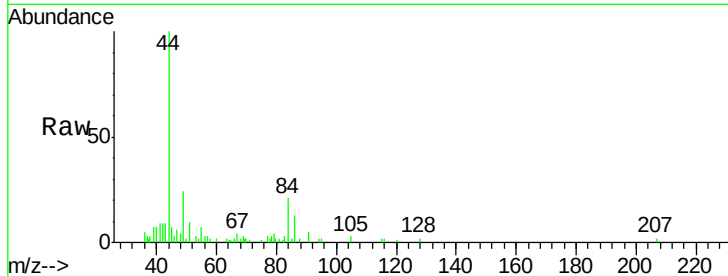




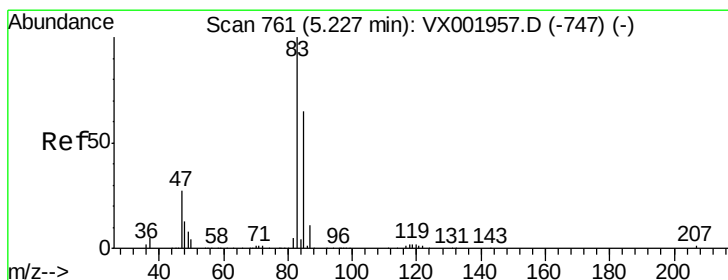
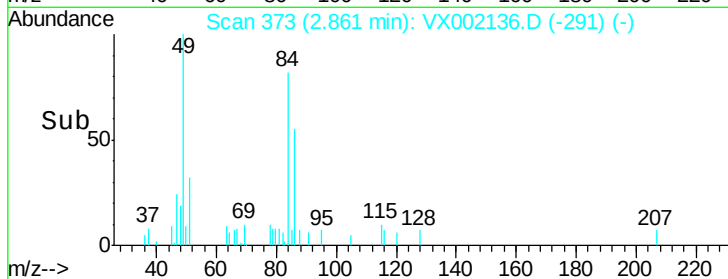
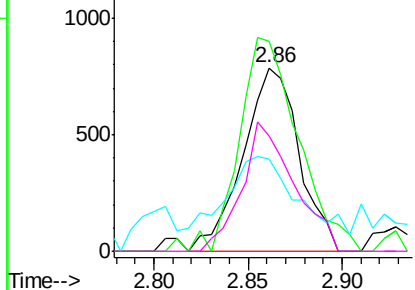
#18
Methylene Chloride
Concen: 0.55 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Instrument :
MSVOA_X
ClientSampled :
14B-1

Tgt Ion: 84 Resp: 1622
Ion Ratio Lower Upper
84 100
49 114.6 104.7 157.1
51 37.6 31.0 46.4
86 63.0 50.8 76.2

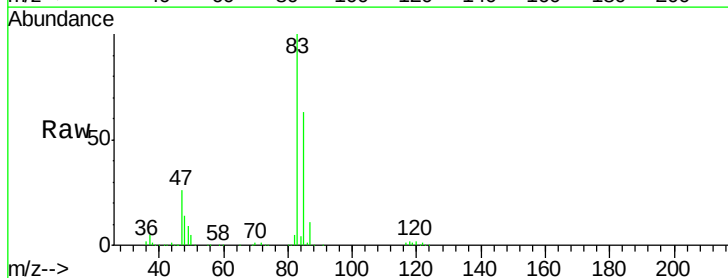


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

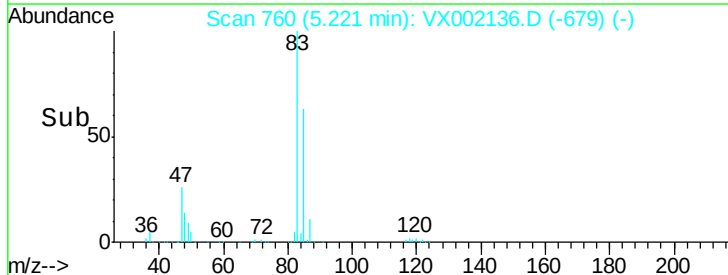
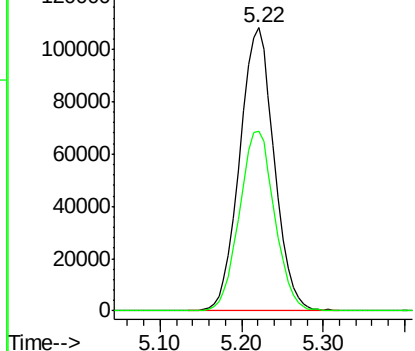


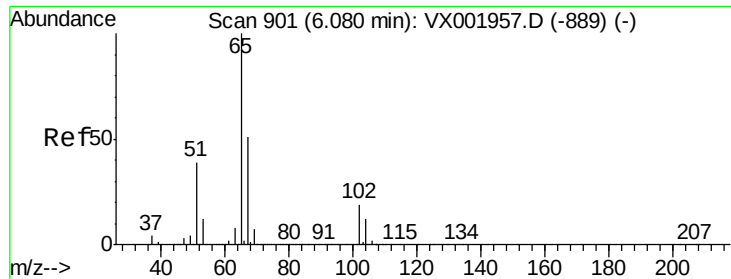
#25
Chloroform
Concen: 54.49 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Tgt Ion: 83 Resp: 317768
Ion Ratio Lower Upper
83 100
85 63.5 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0

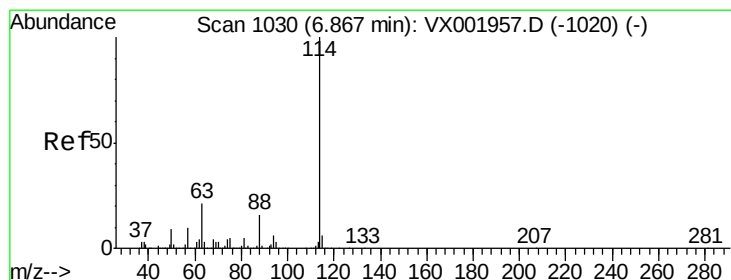
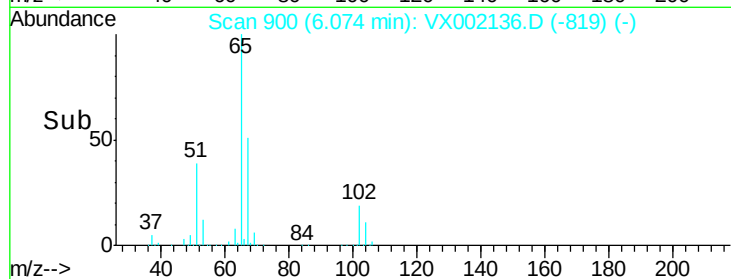
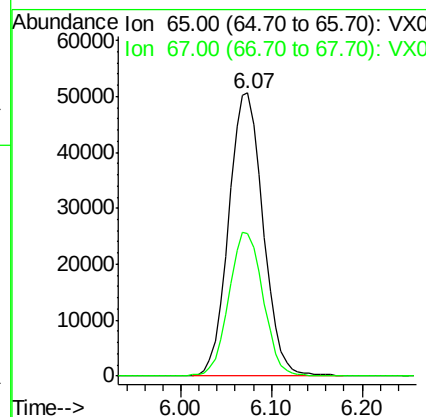
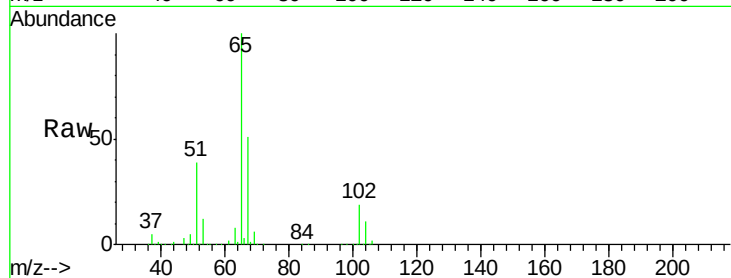




#27
 1,2-Dichloroethane-d4
 Concen: 31.91 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VX002136.D
 Acq: 30 May 2018 13:03

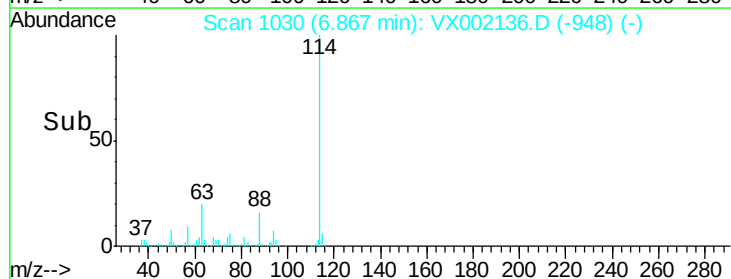
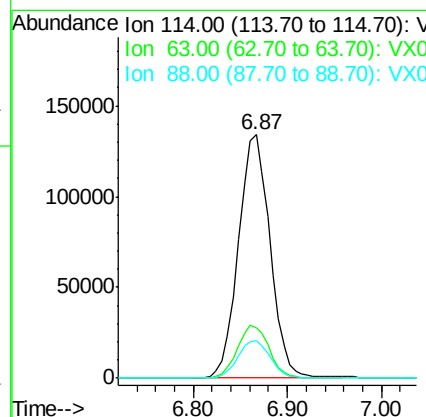
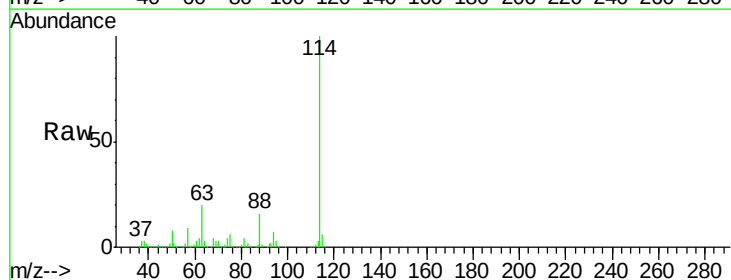
Instrument :
 MSVOA_X
 ClientSampled :
 14B-1

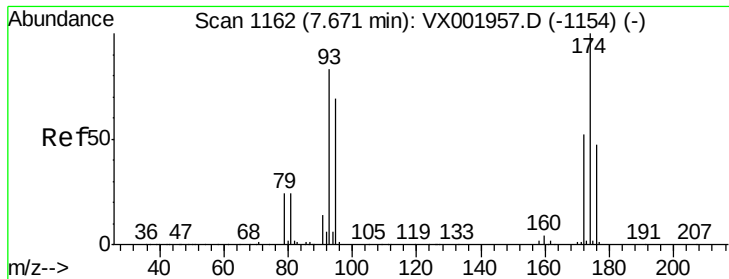
Tgt Ion: 65 Resp: 133440
 Ion Ratio Lower Upper
 65 100
 67 50.4 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002136.D
 Acq: 30 May 2018 13:03

Tgt Ion: 114 Resp: 314905
 Ion Ratio Lower Upper
 114 100
 63 21.8 17.1 25.7
 88 15.6 12.6 19.0





#40

Dibromomethane

Concen: 0.72 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.23 min

Lab File: VX002136.D

Acq: 30 May 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

14B-1

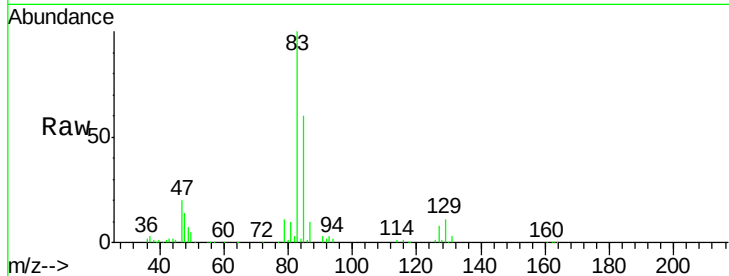
Tgt Ion: 93 Resp: 1746

Ion Ratio Lower Upper

93 100

95 0.0 0.0 162.6

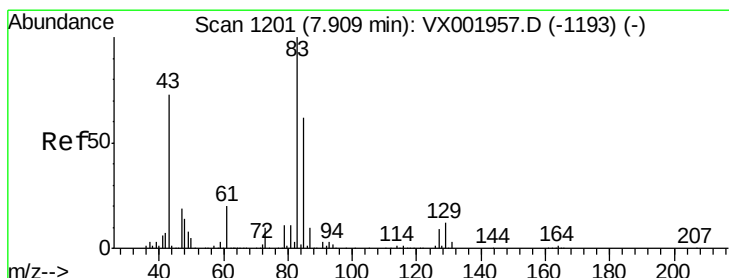
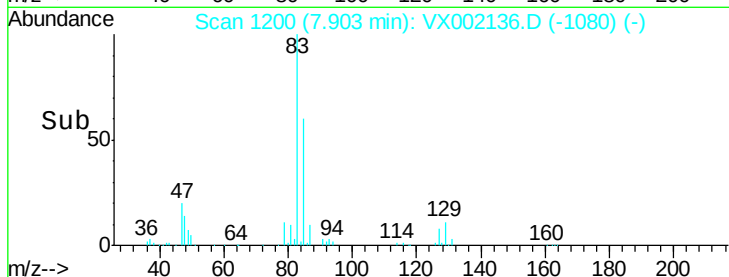
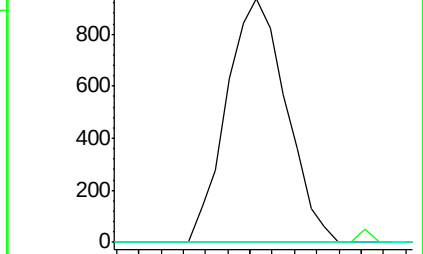
174 0.0 0.0 229.4



Abundance Ion 93.00 (92.70 to 93.70): VX0

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 10.51 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VX002136.D

Acq: 30 May 2018 13:03

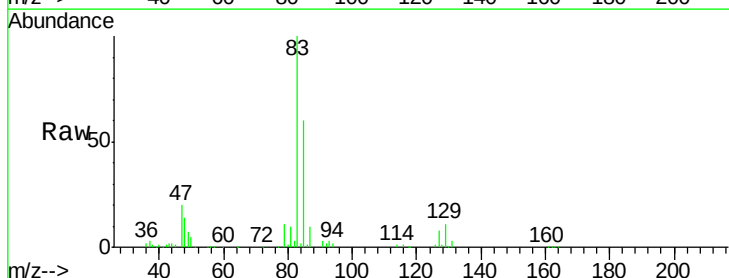
Tgt Ion: 83 Resp: 52611

Ion Ratio Lower Upper

83 100

85 60.1 49.8 74.8

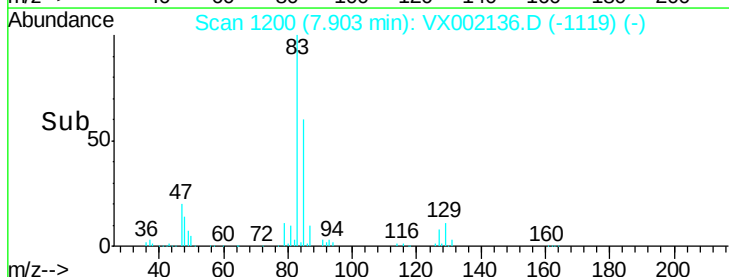
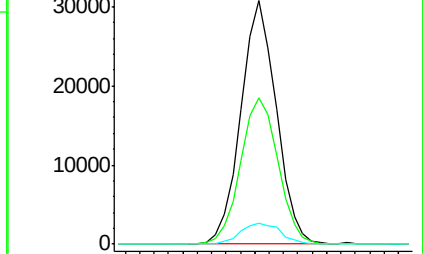
127 8.4 7.3 10.9

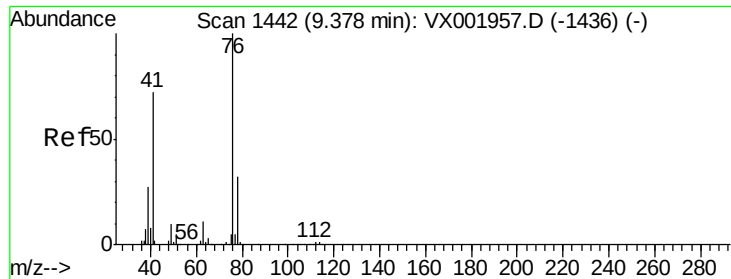


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V





#52

1,3-Dichloropropane

Concen: 0.27 ug/l

RT: 9.06 min Scan# 1390

Delta R.T. -0.32 min

Lab File: VX002136.D

Acq: 30 May 2018 13:03

Instrument :

MSVOA_X

ClientSampleId :

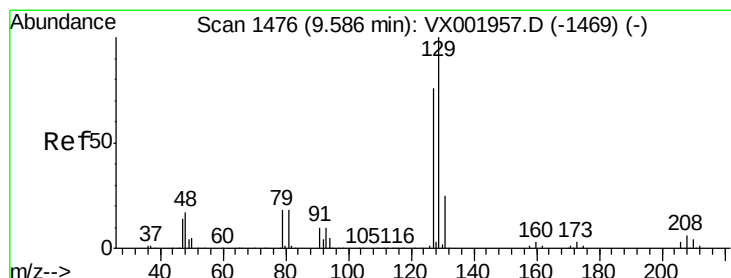
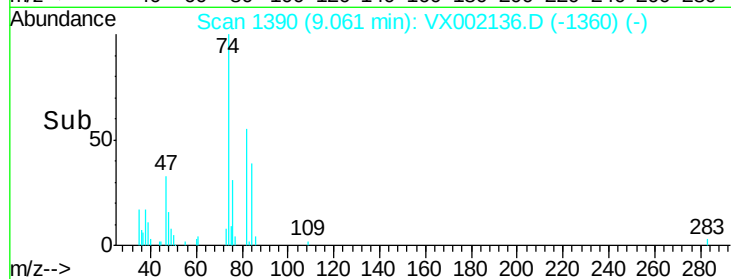
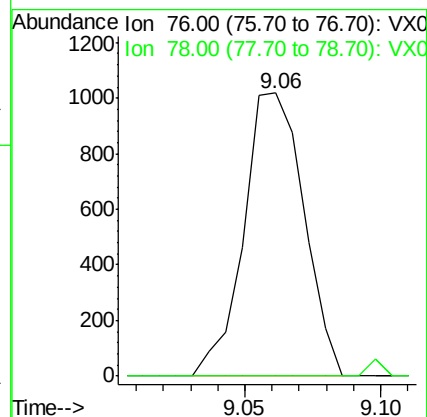
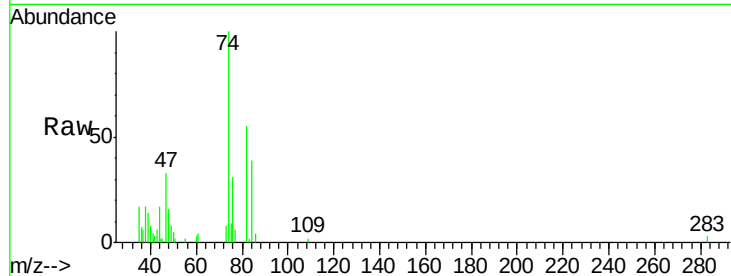
14B-1

Tgt Ion: 76 Resp: 1560

Ion Ratio Lower Upper

76 100

78 0.0 0.0 63.4



#53

Dibromochloromethane

Concen: 1.05 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002136.D

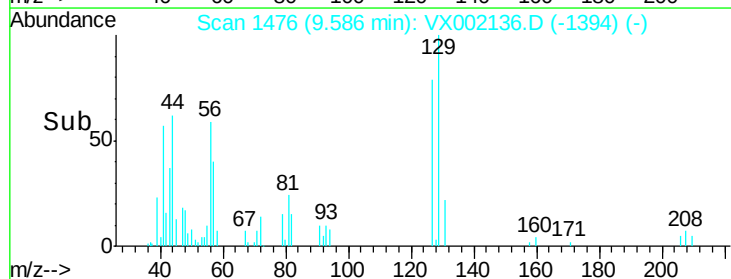
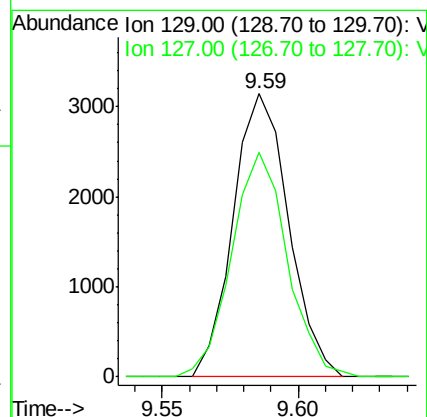
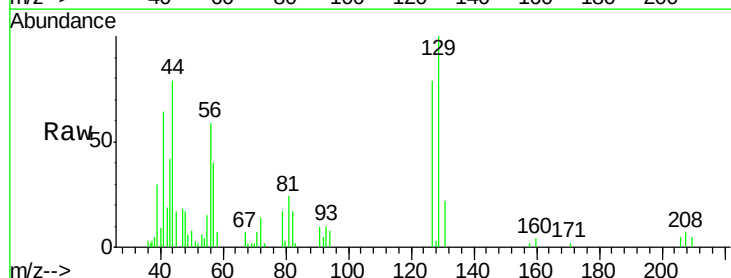
Acq: 30 May 2018 13:03

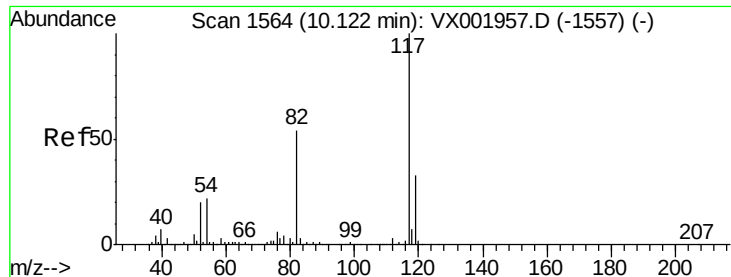
Tgt Ion: 129 Resp: 4445

Ion Ratio Lower Upper

129 100

127 79.5 38.5 115.3

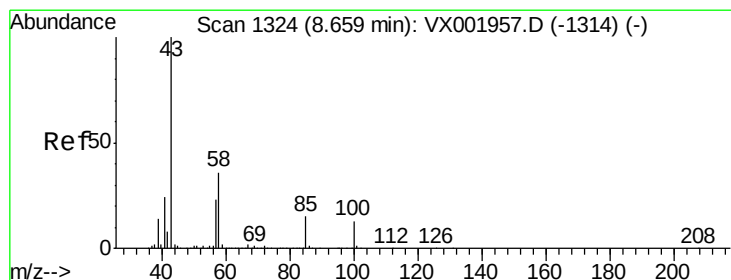
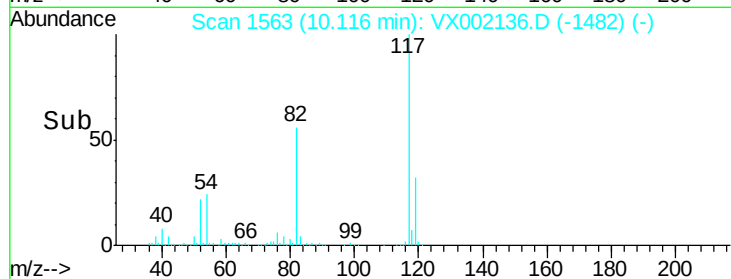
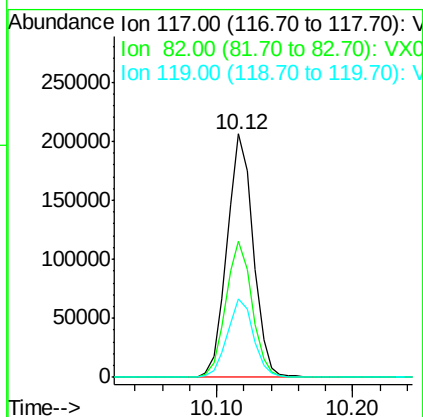
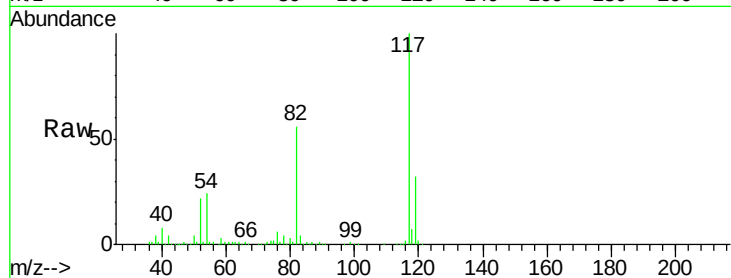




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

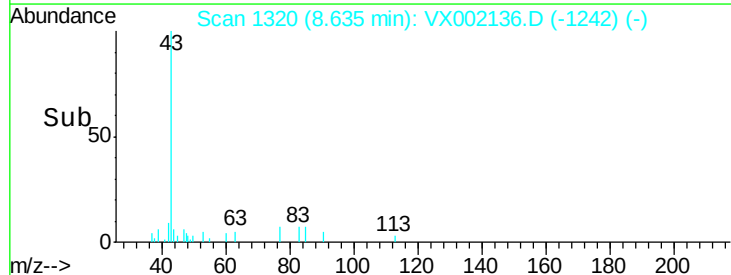
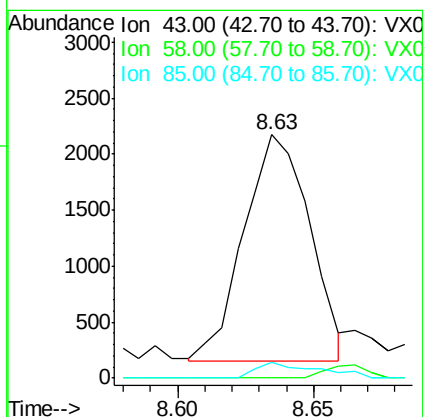
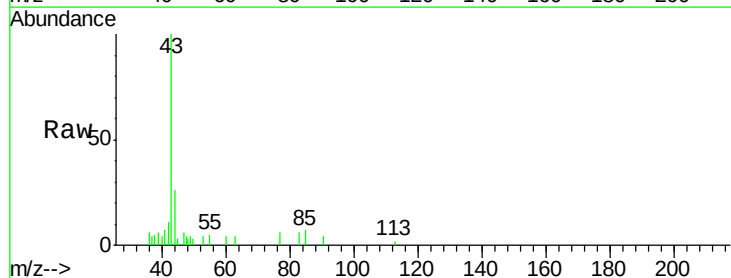
Instrument :
MSVOA_X
ClientSampled :
14B-1

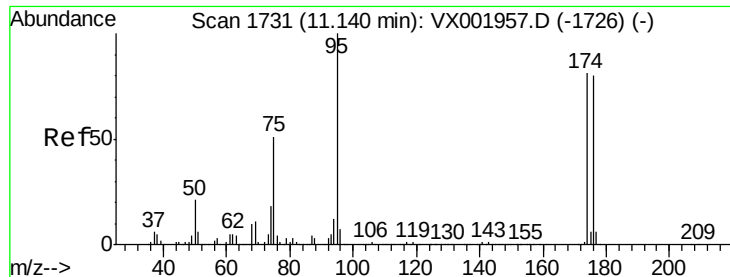
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.3	66.5
119	32.2	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.57 ug/l
RT: 8.63 min Scan# 1320
Delta R.T. -0.02 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	3.7	28.2	42.4#
85	6.5	12.4	18.6#

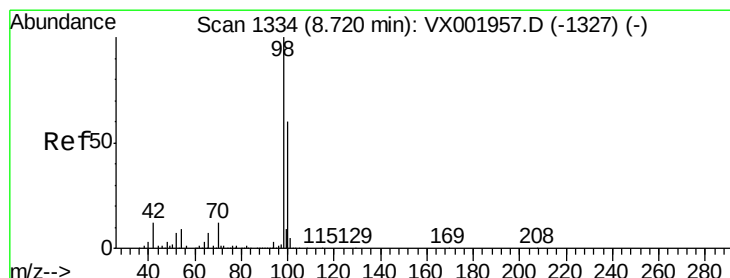
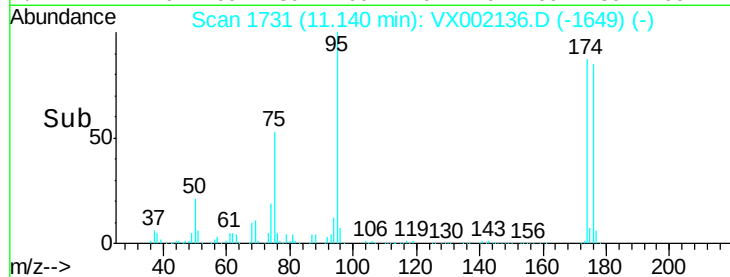
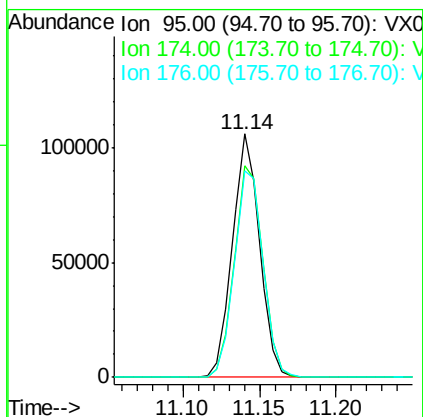
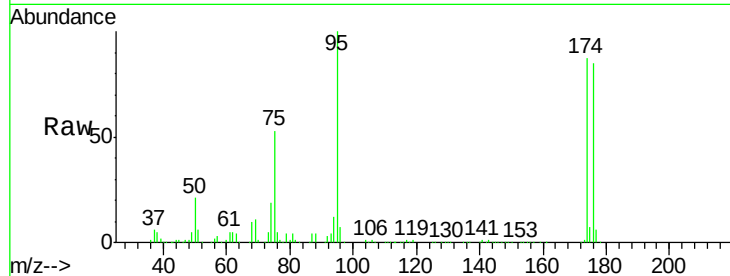




#60
4-Bromofluorobenzene
Concen: 27.65 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

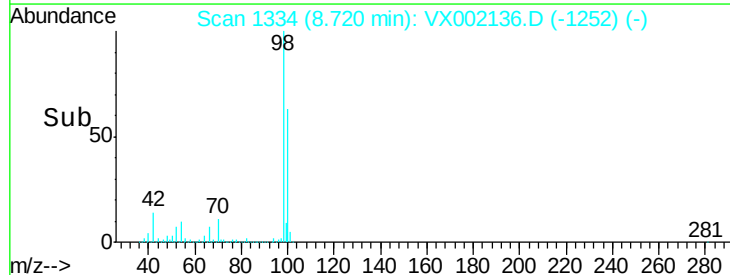
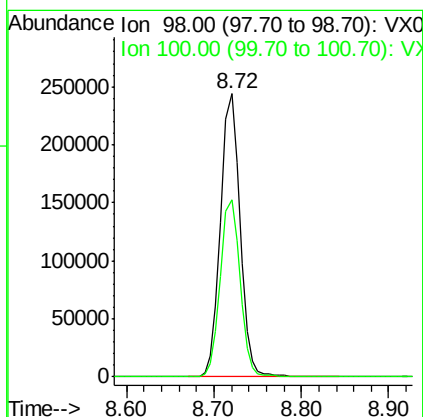
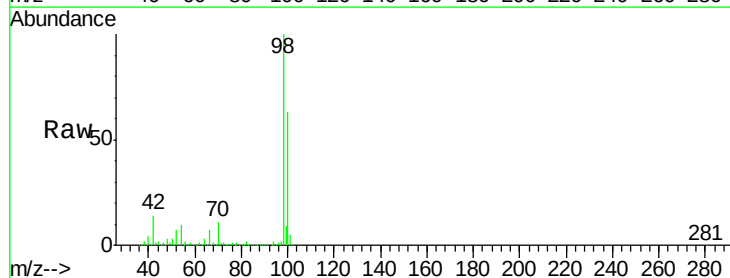
Instrument :
MSVOA_X
ClientSampled :
14B-1

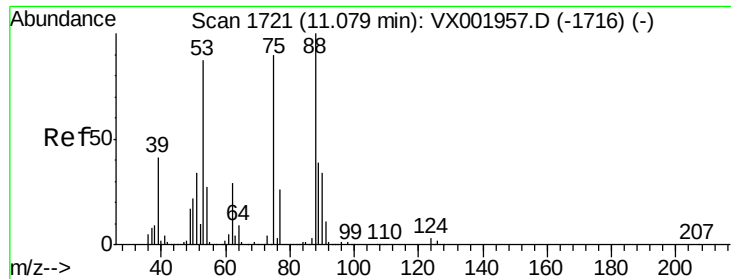
Tgt Ion: 95 Resp: 130741
Ion Ratio Lower Upper
95 100
174 91.3 71.8 107.6
176 89.6 70.1 105.1



#63
Toluene-d8
Concen: 30.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Tgt Ion: 98 Resp: 378878
Ion Ratio Lower Upper
98 100
100 63.4 50.8 76.2





#77
t-1,4-Dichloro-2-butene
Concen: 40.02 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002136.D
Acq: 30 May 2018 13:03

Instrument :
MSVOA_X
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 69062
Ion Ratio Lower Upper
75 100
53 0.0 48.3 144.9#
89 0.0 21.8 65.4#

