

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001195.D
 Acq On : 28 Apr 2018 02:42
 Operator : JC/MD
 Sample : J2464-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Apr 28 05:01:50 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:51:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	192061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	264437	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	242991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	142427	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	153407	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	5.51	113	119916	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	8.72	98	458406	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
62) 4-Bromofluorobenzene	11.14	95	160454	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	

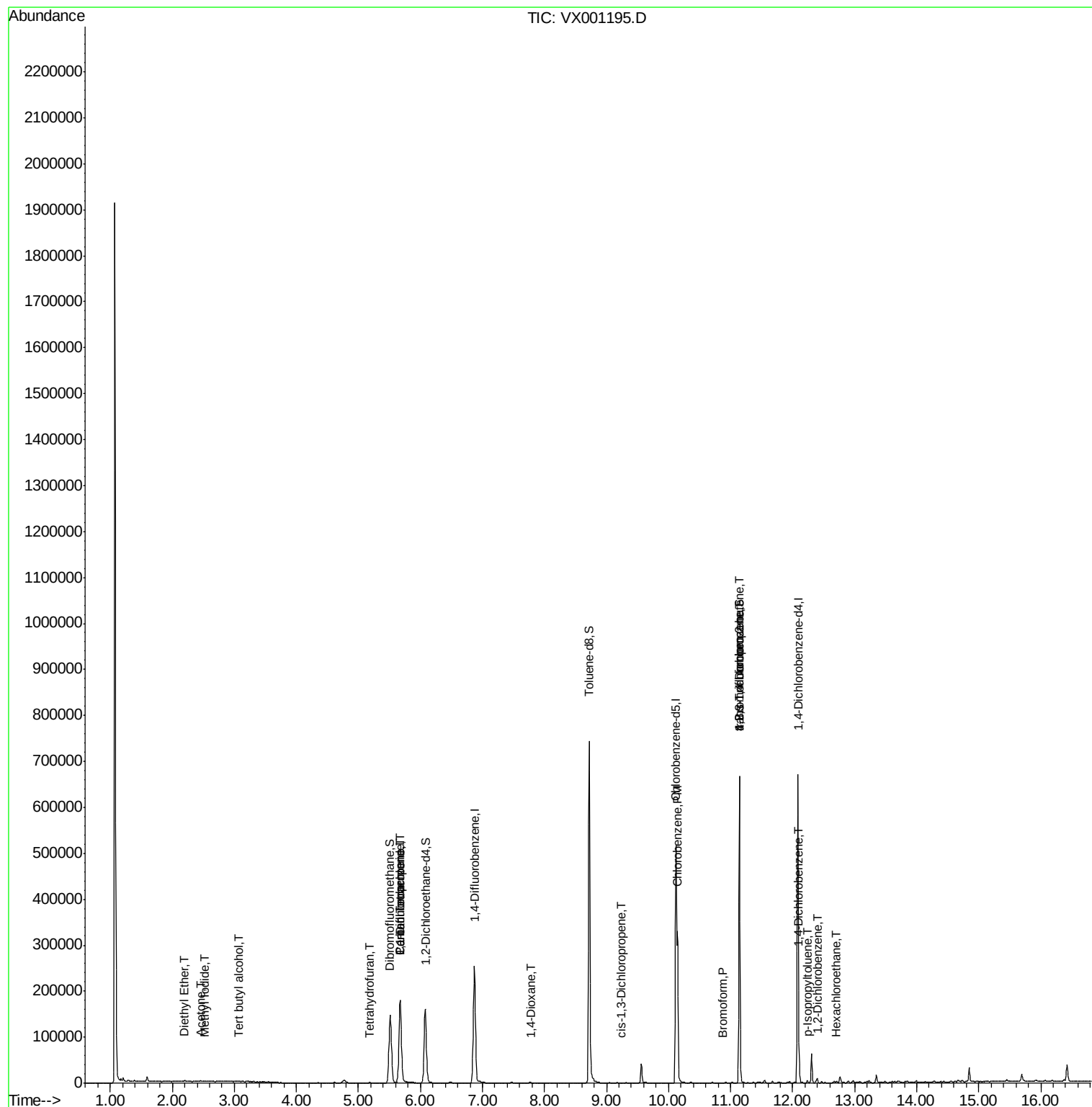
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	81	Below Cal	#	3
8) Diethyl Ether	2.19	74	931	0.670	ug/l	56
10) Methyl Iodide	2.52	142	95	7.278	ug/l #	41
11) Tert butyl alcohol	3.07	59	905	1.541	ug/l	98
16) Acetone	2.45	43	1667	1.362	ug/l	99
29) Tetrahydrofuran	5.18	42	385	0.327	ug/l	96
36) 1,1-Dichloropropene	5.67	75	12659	4.344	ug/l #	49
38) Carbon Tetrachloride	5.68	117	17042	5.703	ug/l #	15
49) 1,4-Dioxane	7.77	88	707	12.122	ug/l #	79
54) cis-1,3-Dichloropropene	9.23	75	122	3.219	ug/l #	78
65) Chlorobenzene	10.15	112	135714	21.318	ug/l	98
71) Bromoform	10.87	173	76	4.982	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	83294	28.720	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	83294	87.053	ug/l #	6
86) p-Isopropyltoluene	12.24	119	2405	0.282	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	16321	3.170	ug/l	91
90) Hexachloroethane	12.71	117	1525	4.411	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	2707	0.542	ug/l	99

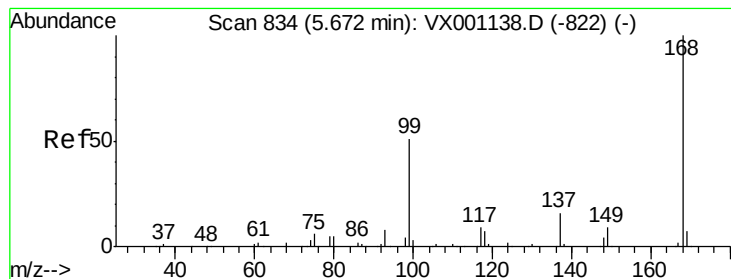
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

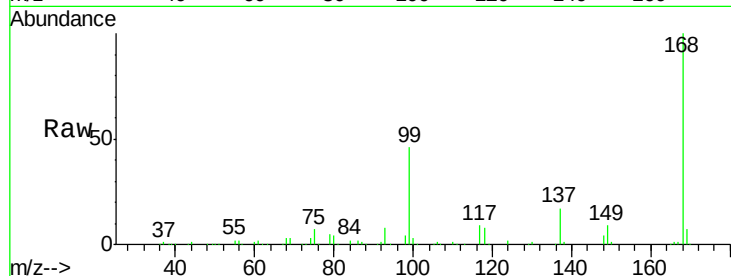
BFB

Tgt Ion:168 Resp: 192061

Ion Ratio Lower Upper

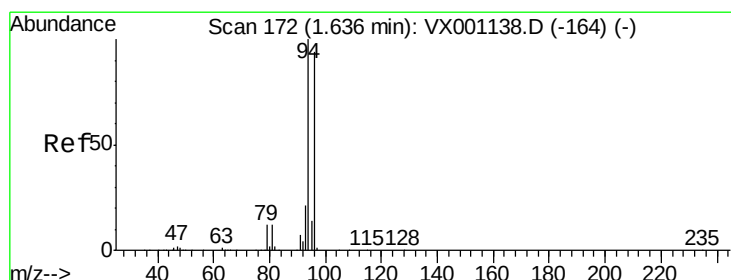
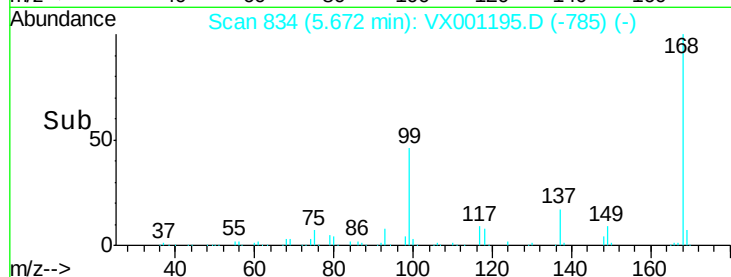
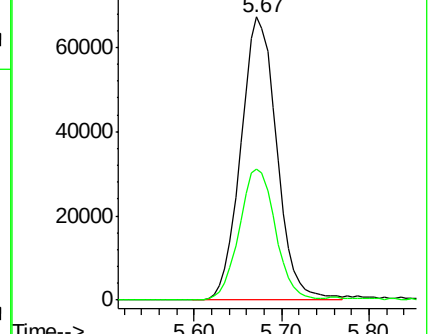
168 100

99 46.5 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001195.D

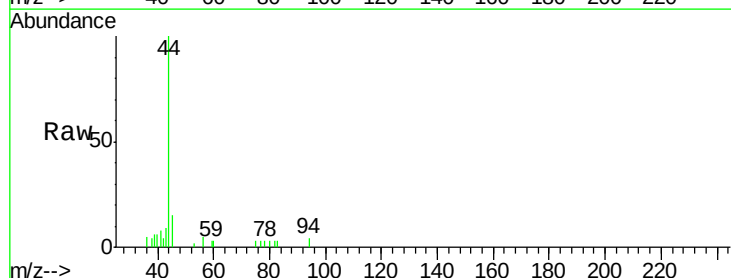
Acq: 28 Apr 2018 02:42

Tgt Ion: 94 Resp: 81

Ion Ratio Lower Upper

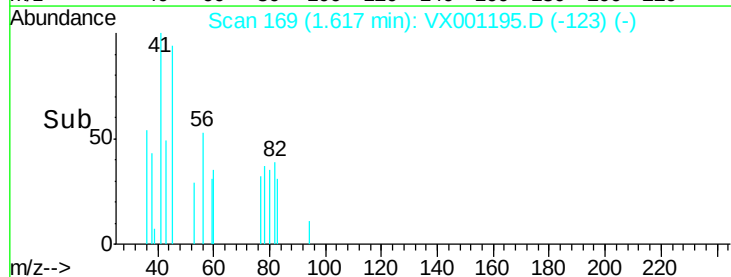
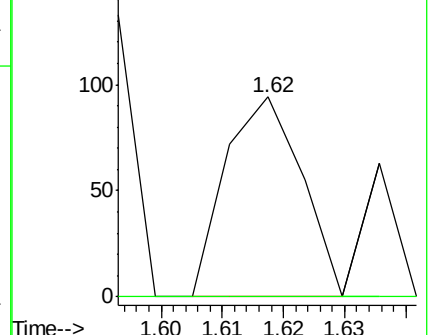
94 100

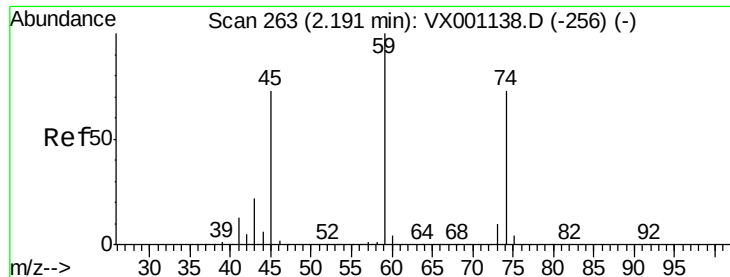
96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#8

Diethyl Ether

Concen: 0.670 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

Instrument :

MSVOA_X

ClientSampled :

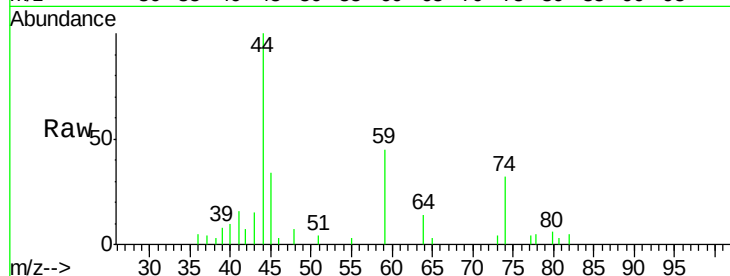
BFB

Tgt Ion: 74 Resp: 931

Ion Ratio Lower Upper

74 100

45 143.0 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

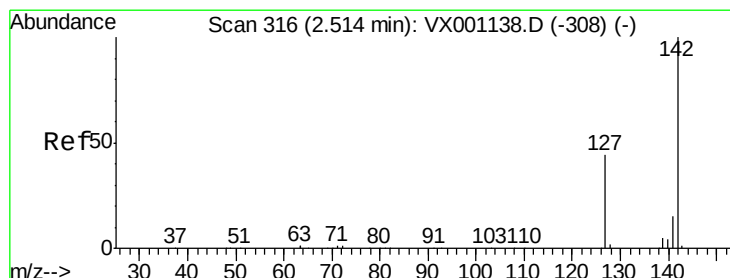
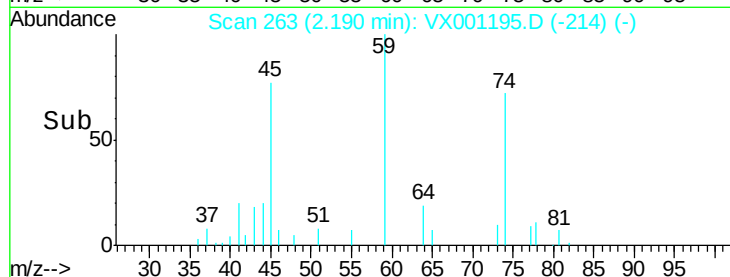
400

200

0

2.15 2.20 2.25

Time-->



#10

Methyl Iodide

Concen: 7.278 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

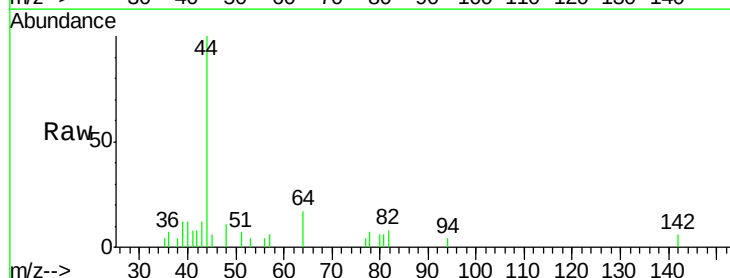
Tgt Ion: 142 Resp: 95

Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

100

80

60

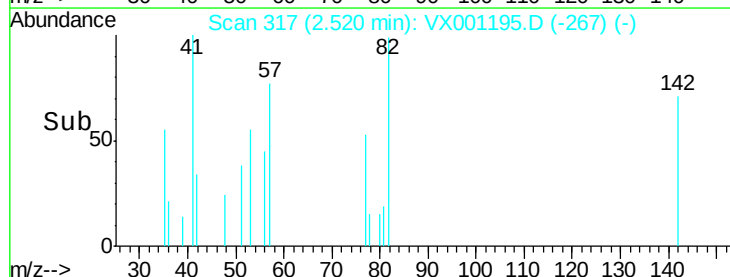
40

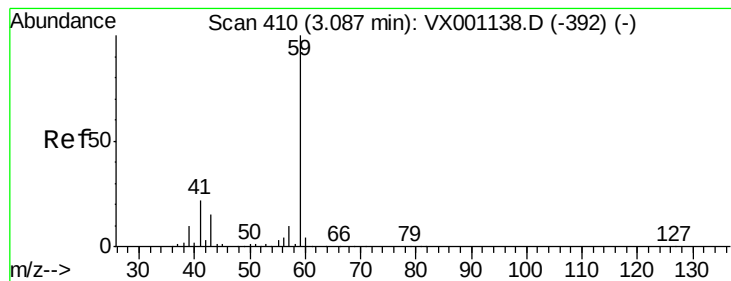
20

0

2.50 2.52 2.54

Time-->



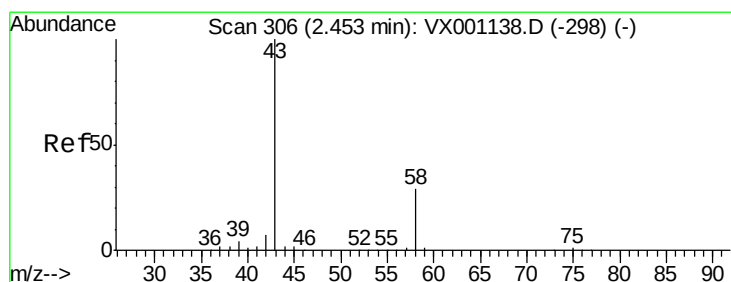
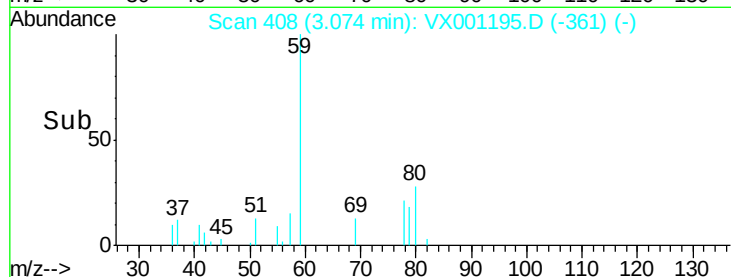
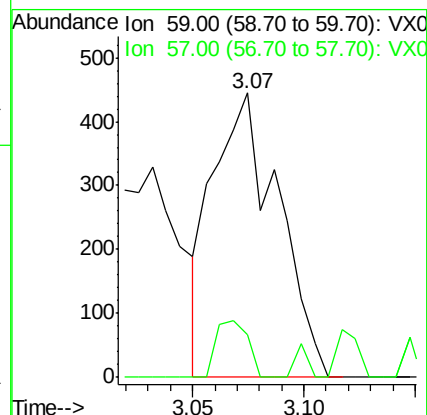
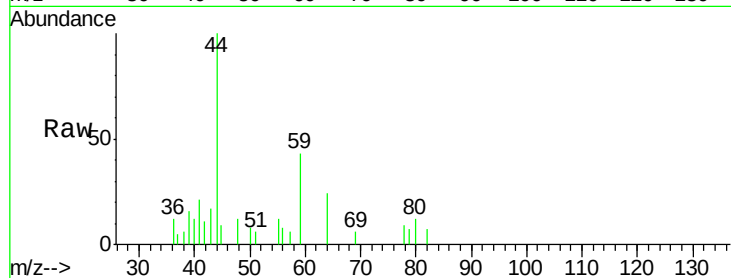


#11

Tert butyl alcohol
 Concen: 1.541 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

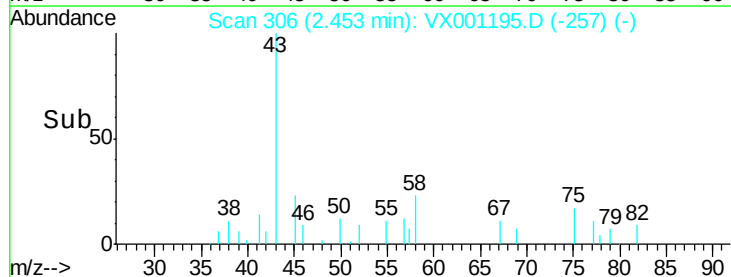
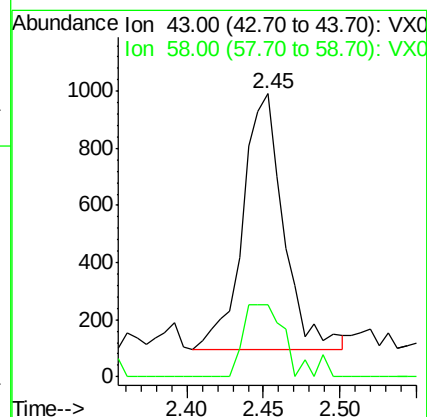
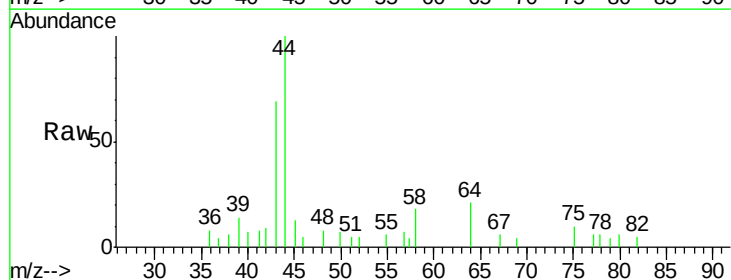
Tgt Ion: 59 Resp: 905
 Ion Ratio Lower Upper
 59 100
 57 9.5 8.2 12.4

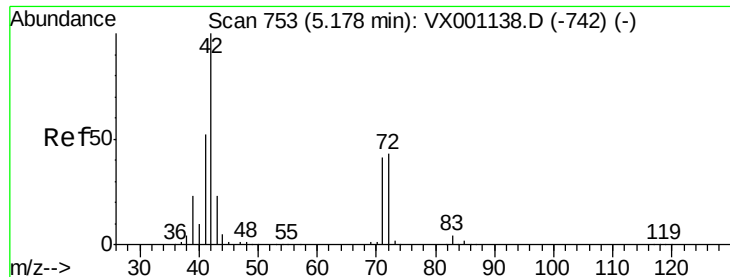


#16

Acetone
 Concen: 1.362 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion: 43 Resp: 1667
 Ion Ratio Lower Upper
 43 100
 58 28.4 23.0 34.6





#29

Tetrahydrofuran

Concen: 0.327 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

Instrument :

MSVOA_X

ClientSampled :

BFB

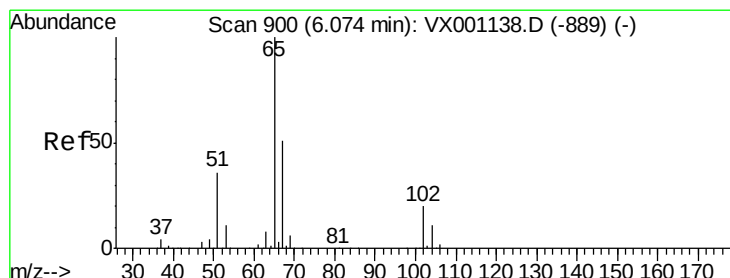
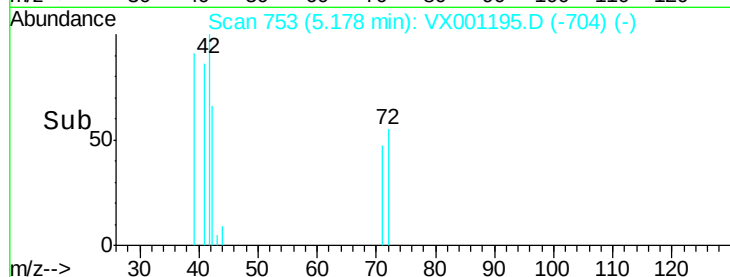
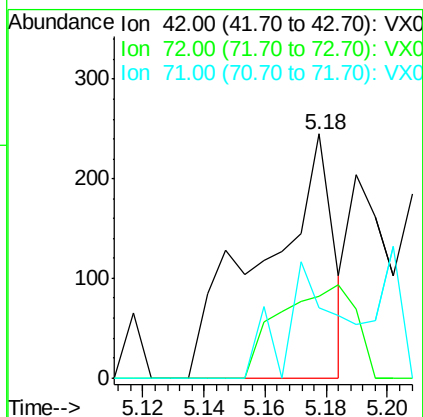
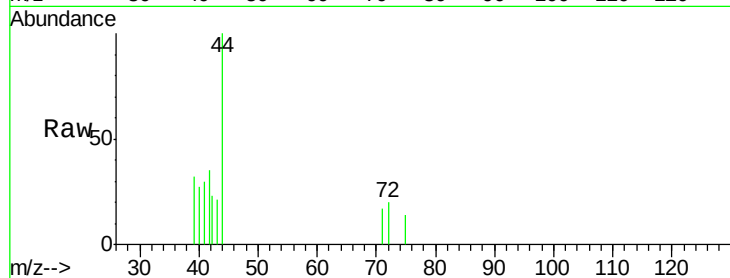
Tgt Ion: 42 Resp: 385

Ion Ratio Lower Upper

42 100

72 42.3 34.4 51.6

71 35.6 32.1 48.1



#33

1,2-Dichloroethane-d4

Concen: 51.528 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001195.D

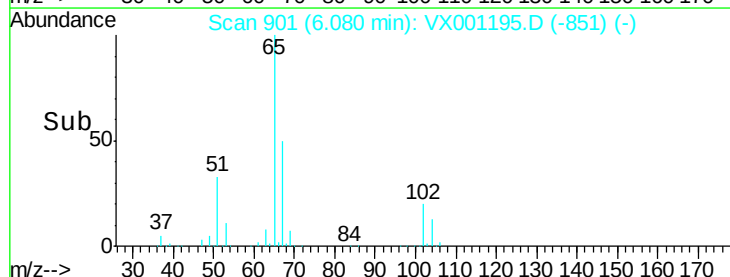
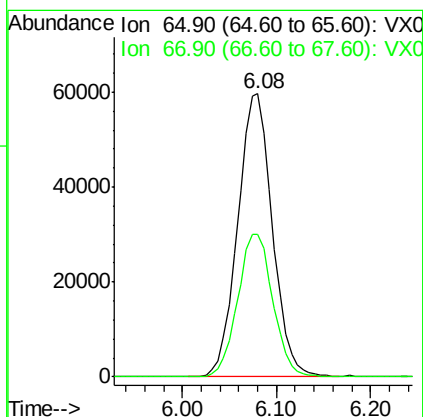
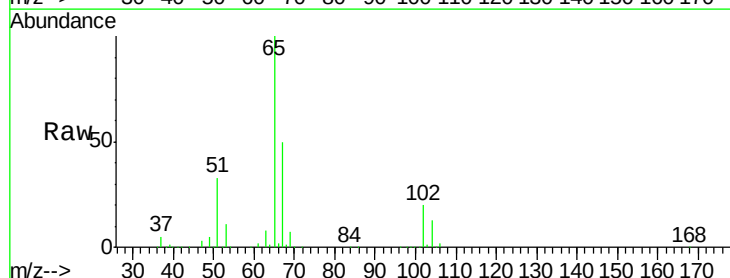
Acq: 28 Apr 2018 02:42

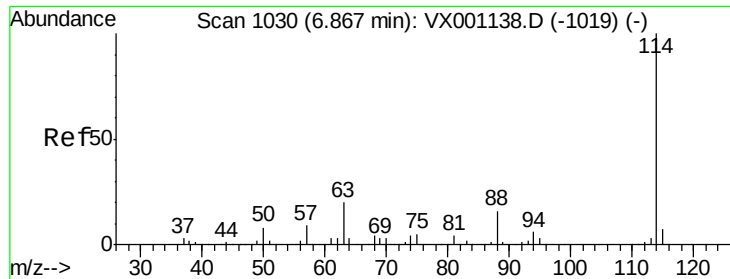
Tgt Ion: 65 Resp: 153407

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

Instrument :

MSVOA_X

ClientSampleId :

BFB

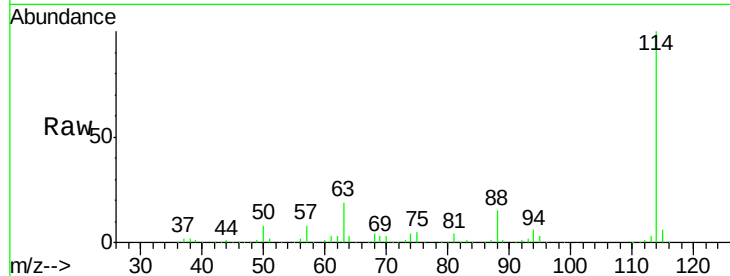
Tgt Ion:114 Resp: 264437

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.4

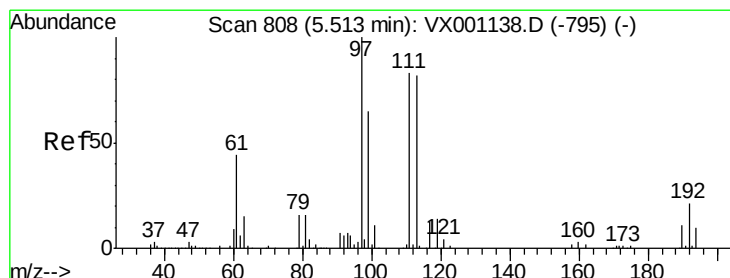
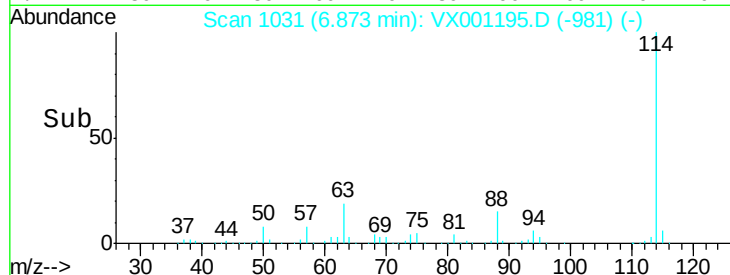
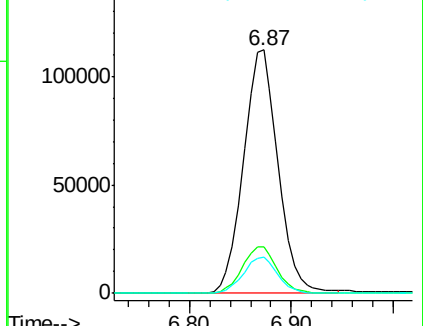
88 15.0 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 54.788 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

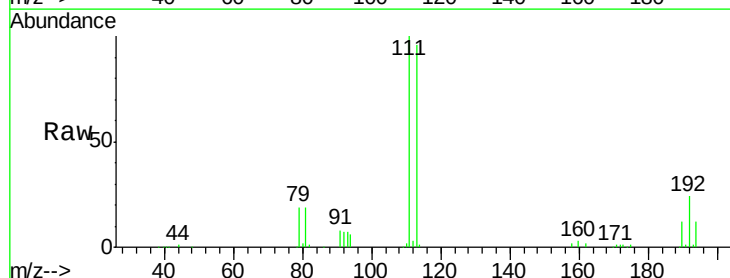
Tgt Ion:113 Resp: 119916

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

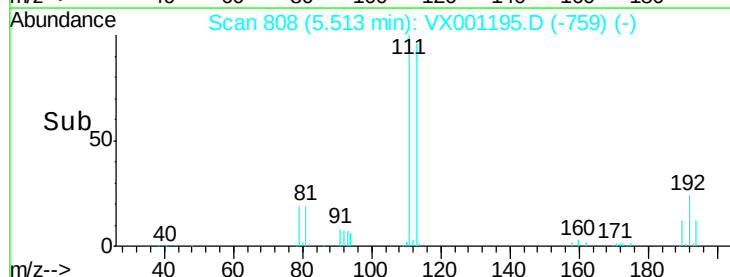
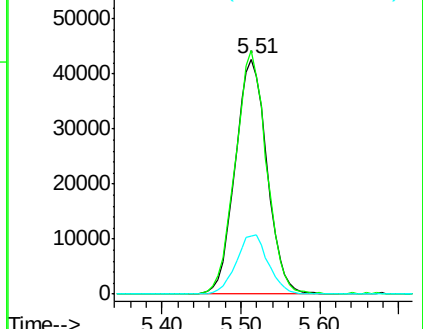
192 25.5 20.6 30.8

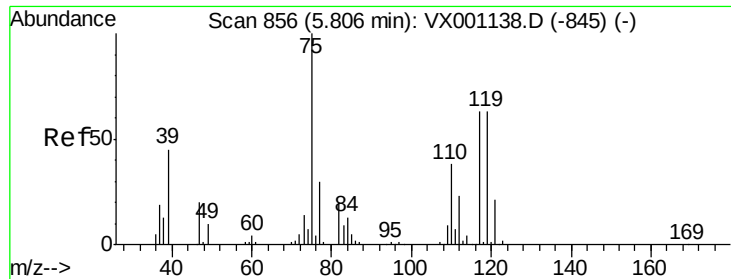


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

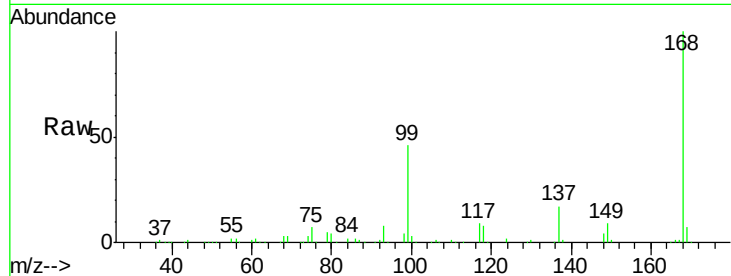




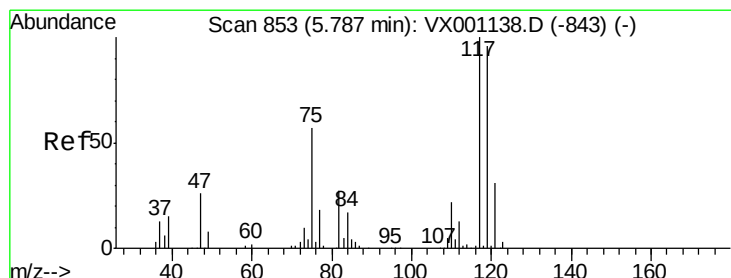
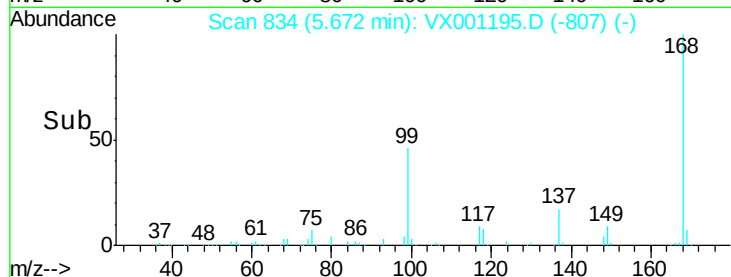
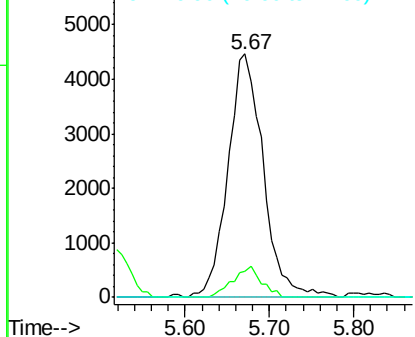
#36
 1,1-Dichloropropene
 Concen: 4.344 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	19.0	57.0#
77	0.0	24.8	37.2#

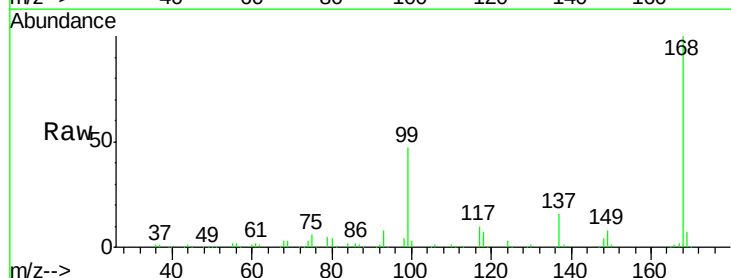


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

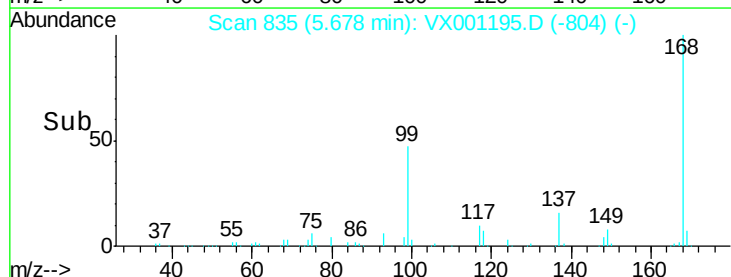
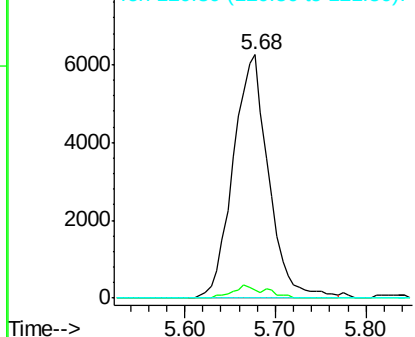


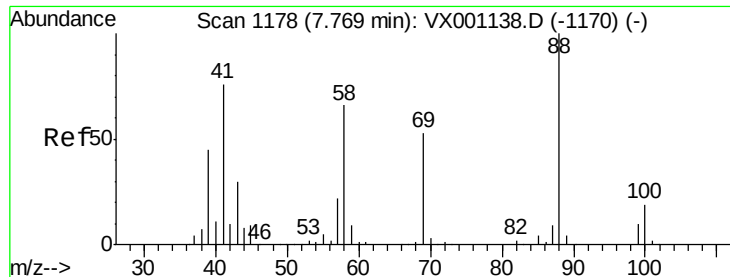
#38
 Carbon Tetrachloride
 Concen: 5.703 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.11 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.6	76.5	114.7#
121	0.0	24.6	37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

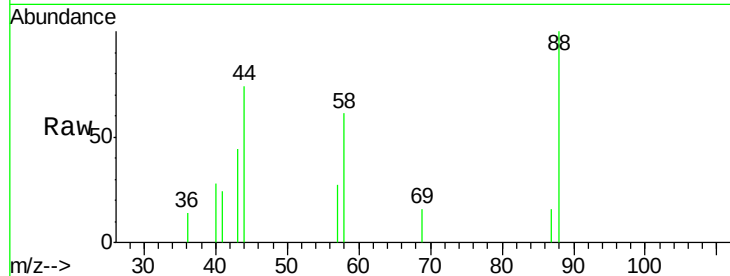




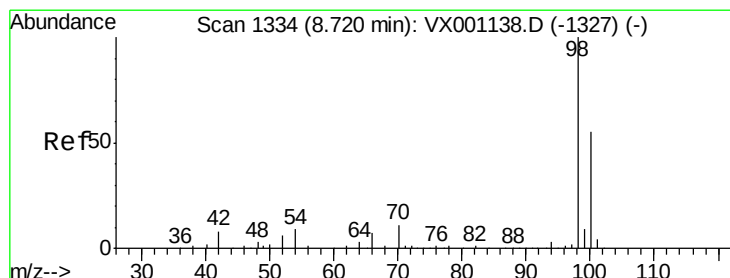
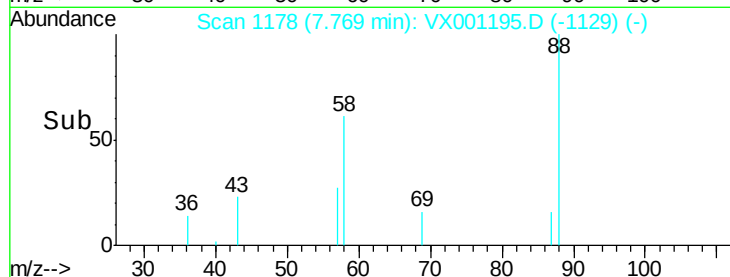
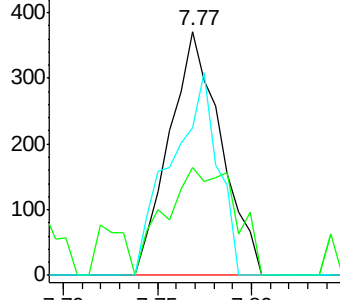
#49
 1,4-Dioxane
 Concen: 12.122 ug/l
 RT: 7.77 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion: 88 Resp: 707
 Ion Ratio Lower Upper
 88 100
 43 59.8 27.3 40.9#
 58 75.1 54.2 81.4

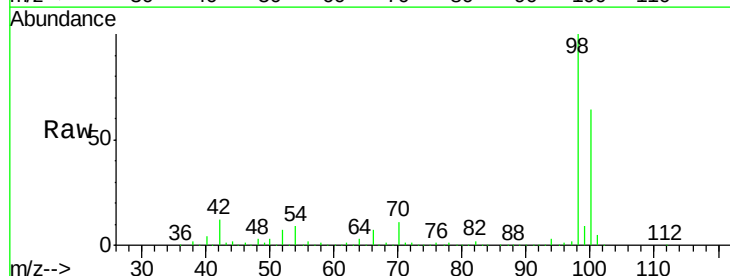


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

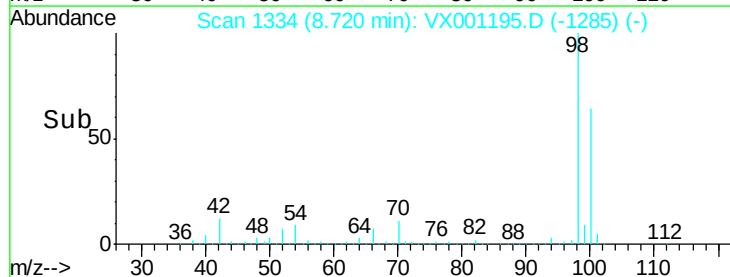
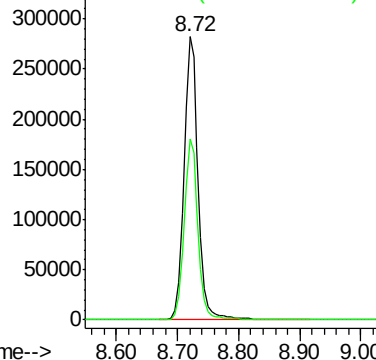


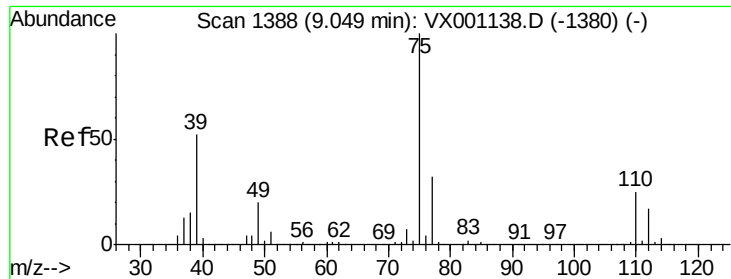
#50
 Toluene-d8
 Concen: 55.497 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion: 98 Resp: 458406
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): VX0

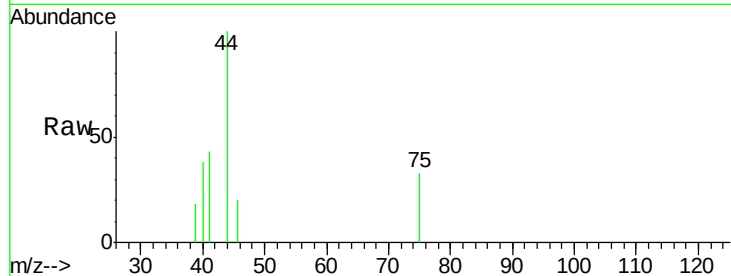




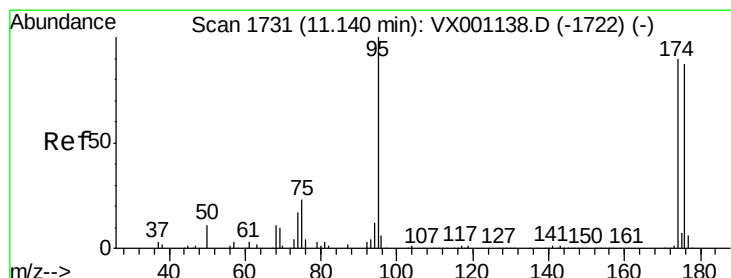
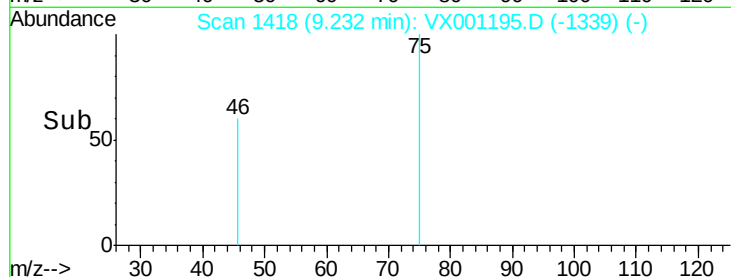
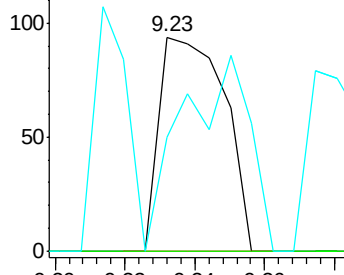
#54
 cis-1,3-Dichloropropene
 Concen: 3.219 ug/l
 RT: 9.23 min Scan# 1418
 Delta R.T. 0.18 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion: 75 Resp: 122
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 53.2 42.0 63.0

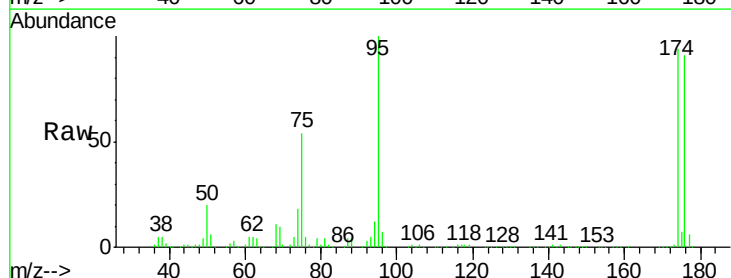


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 76.90 (76.60 to 77.60): VX0
 Ion 39.00 (38.70 to 39.70): VX0

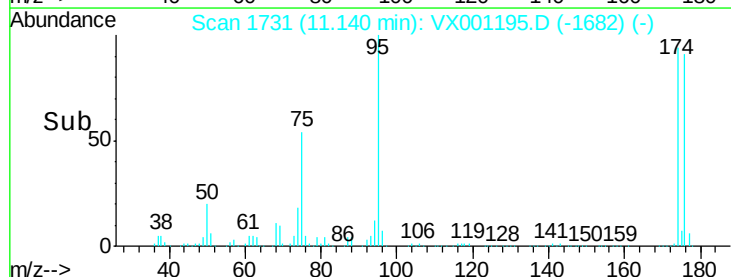
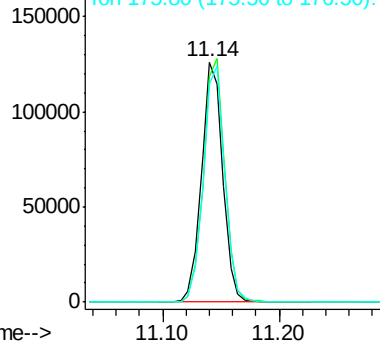


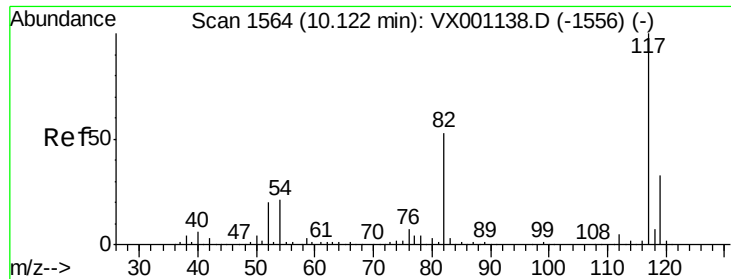
#62
 4-Bromofluorobenzene
 Concen: 49.726 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion: 95 Resp: 160454
 Ion Ratio Lower Upper
 95 100
 174 102.1 0.0 194.4
 176 98.9 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

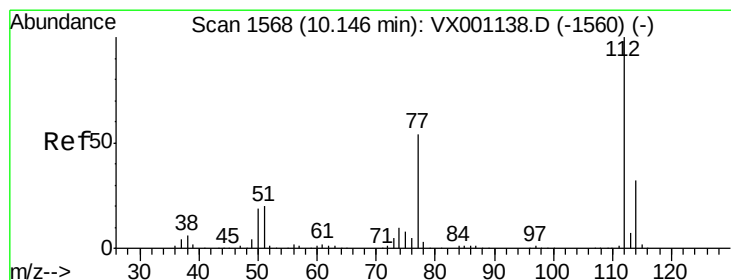
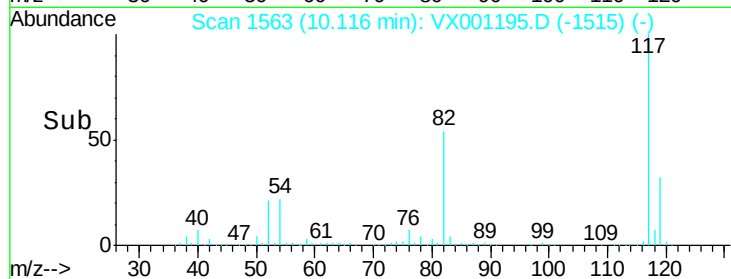
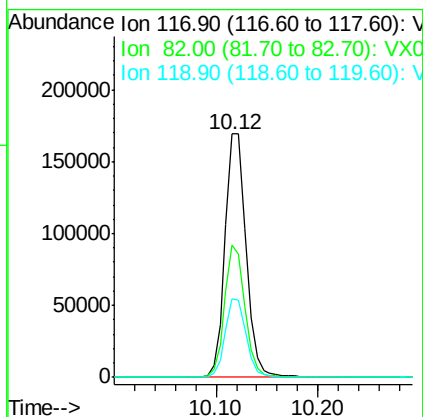
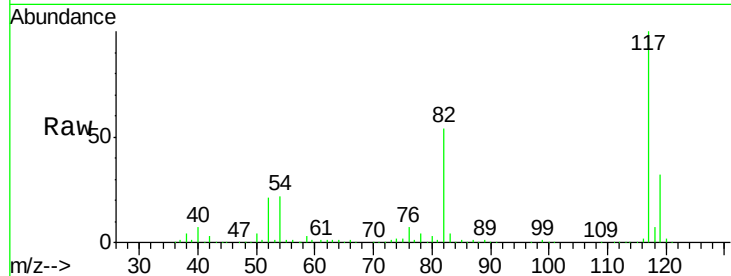




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001195.D
Acq: 28 Apr 2018 02:42

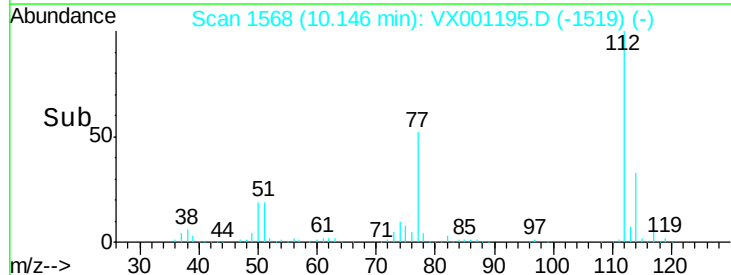
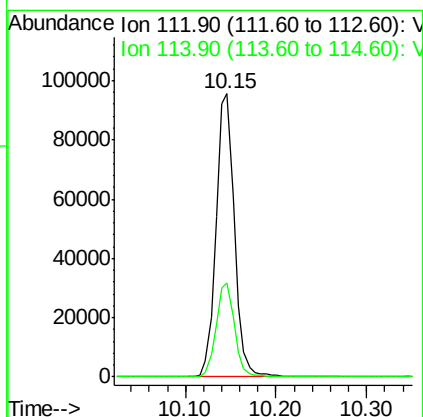
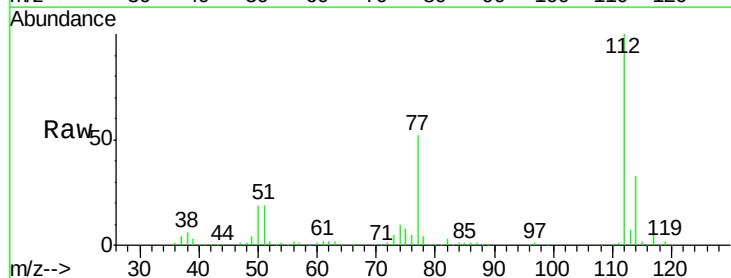
Instrument :
MSVOA_X
ClientSampled :
BFB

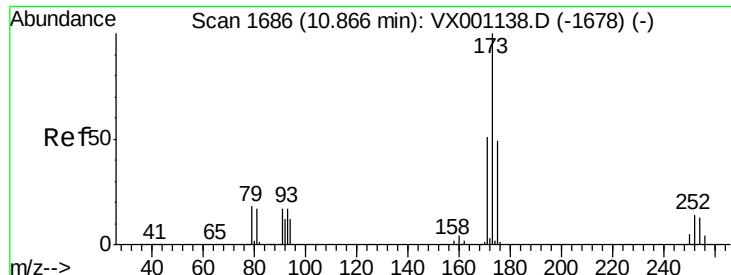
Tgt Ion:117 Resp: 242991
Ion Ratio Lower Upper
117 100
82 54.1 42.1 63.1
119 32.1 26.1 39.1



#65
Chlorobenzene
Concen: 21.318 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001195.D
Acq: 28 Apr 2018 02:42

Tgt Ion:112 Resp: 135714
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5





#71

Bromoform

Concen: 4.982 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

Instrument :

MSVOA_X

ClientSampled :

BFB

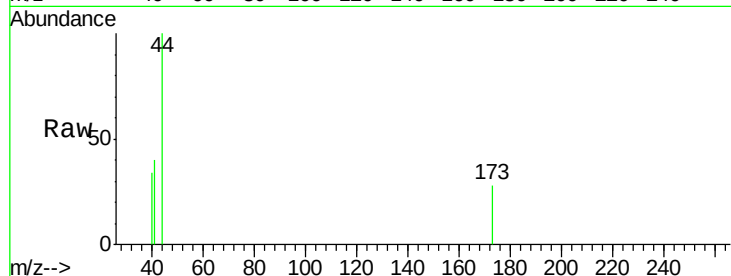
Tgt Ion:173 Resp: 76

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

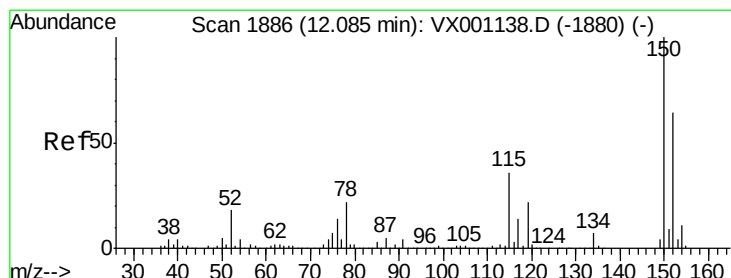
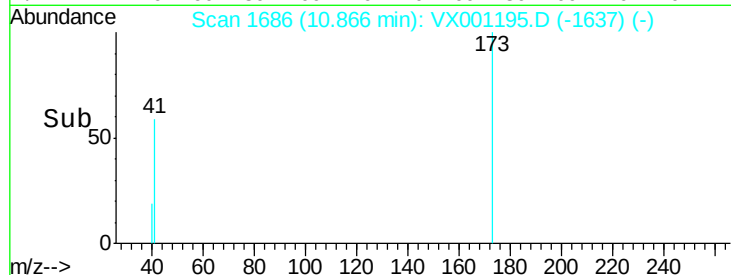
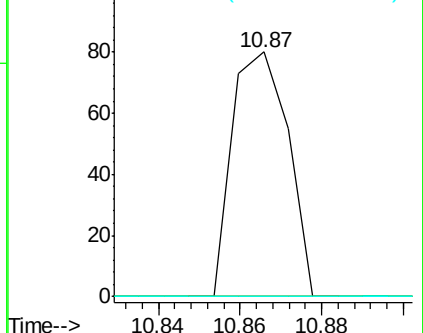
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001195.D

Acq: 28 Apr 2018 02:42

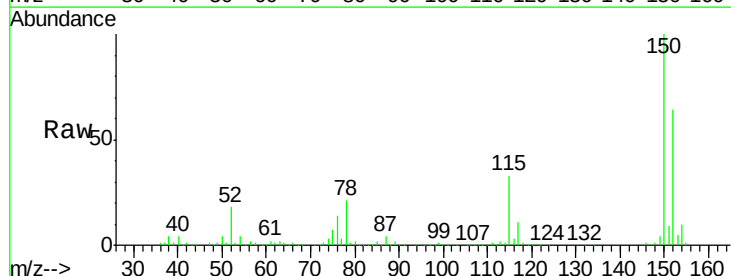
Tgt Ion:152 Resp: 142427

Ion Ratio Lower Upper

152 100

115 52.1 38.0 114.0

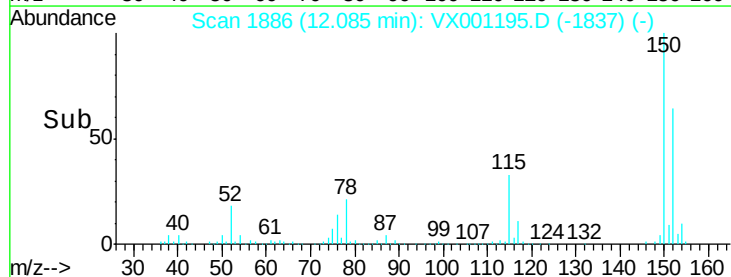
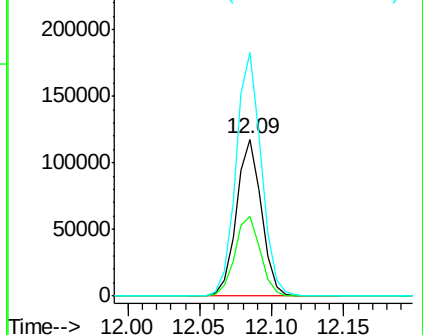
150 157.6 0.0 349.6

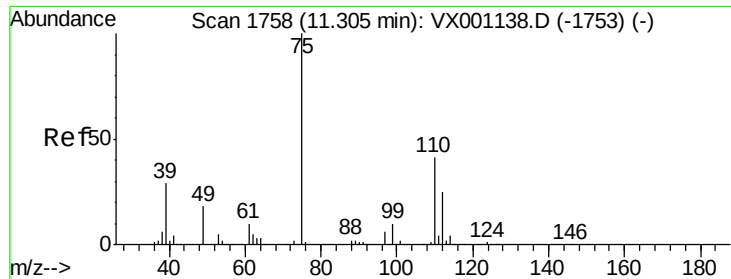


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

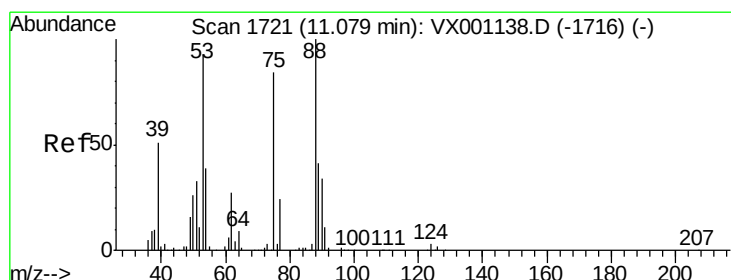
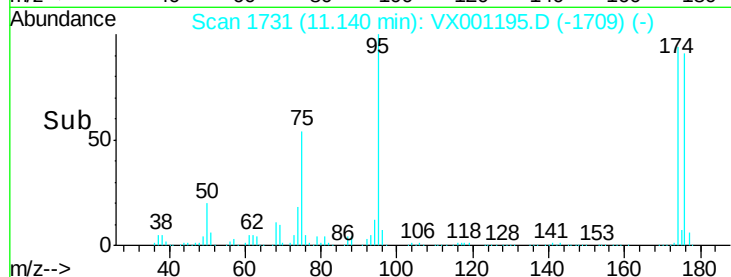
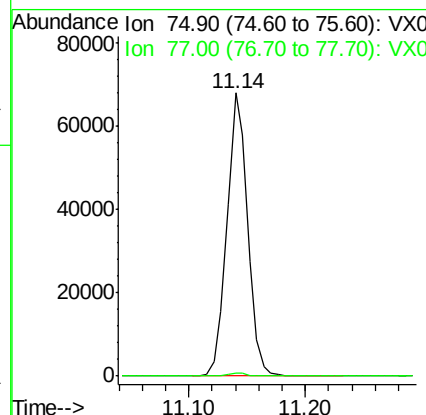
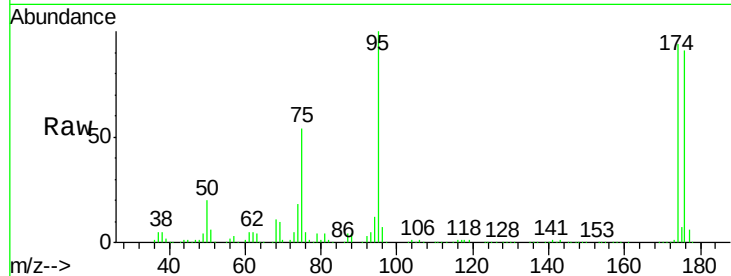




#76
 1,2,3-Trichloropropane
 Concen: 28.720 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

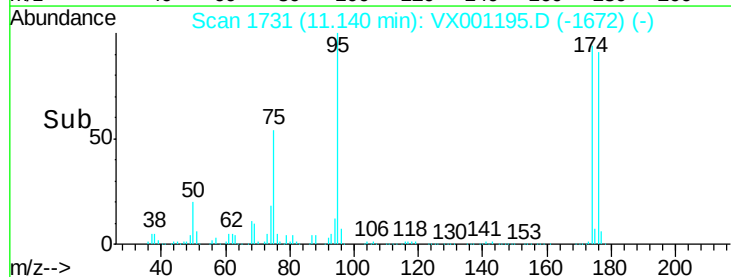
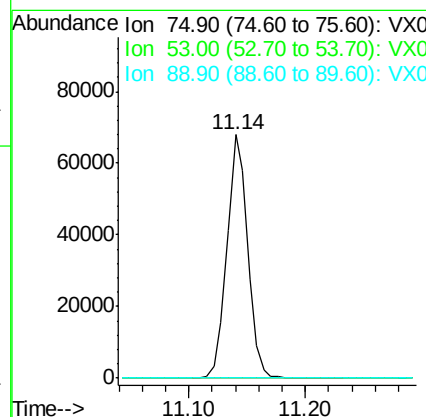
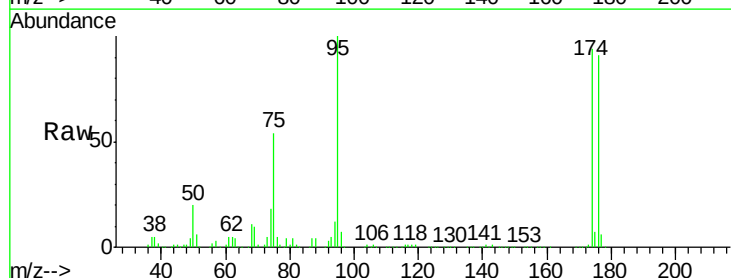
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

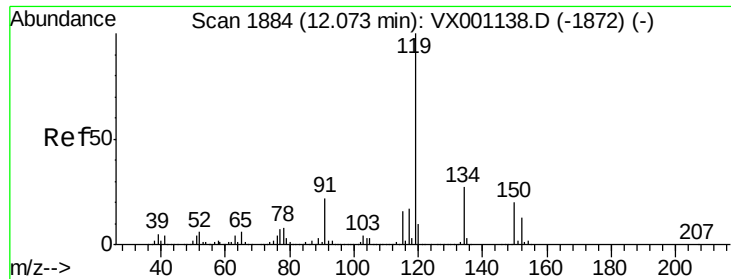
Tgt Ion: 75 Resp: 83294
 Ion Ratio Lower Upper
 75 100
 77 1.1 18.9 56.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.053 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion: 75 Resp: 83294
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.0 37.7 56.5#

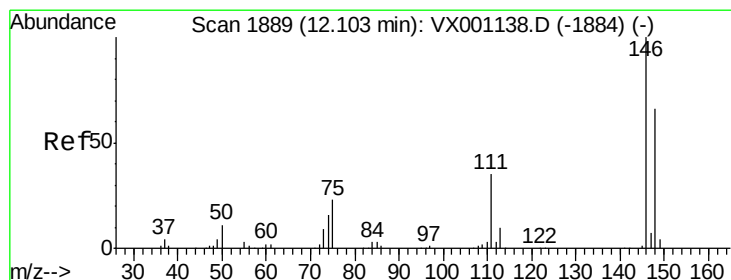
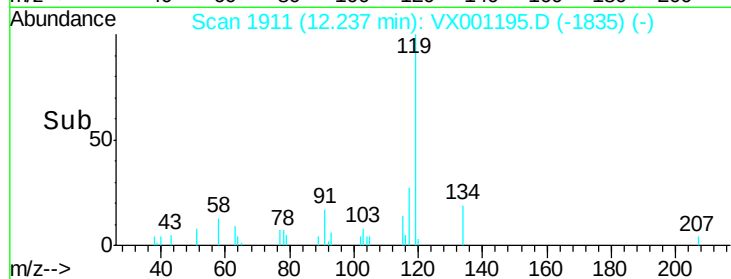
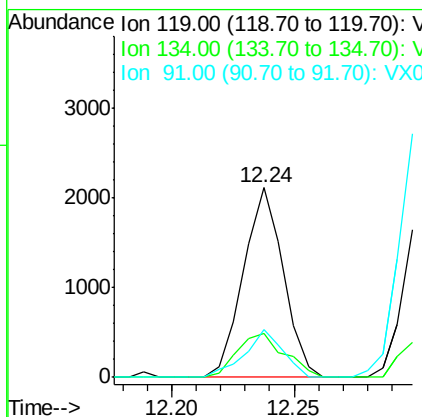
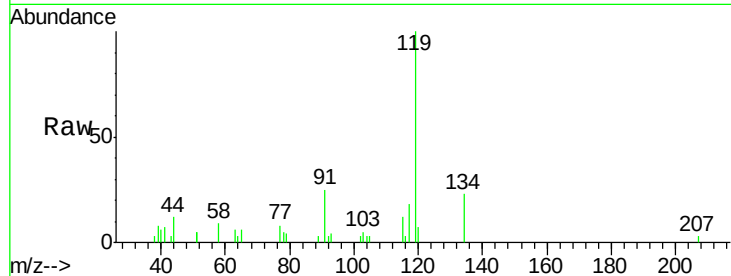




#86
 p-Isopropyltoluene
 Concen: 0.282 ug/l
 RT: 12.24 min Scan# 1911
 Delta R.T. 0.16 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

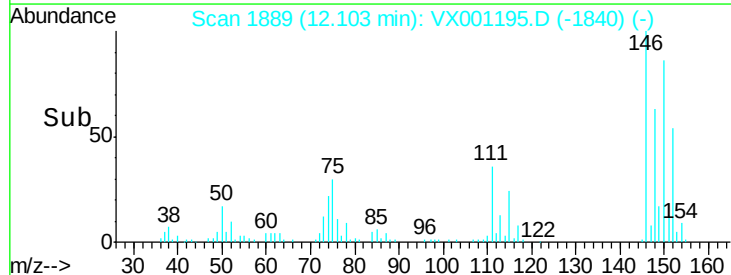
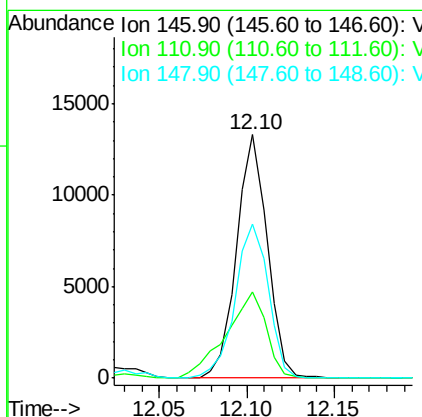
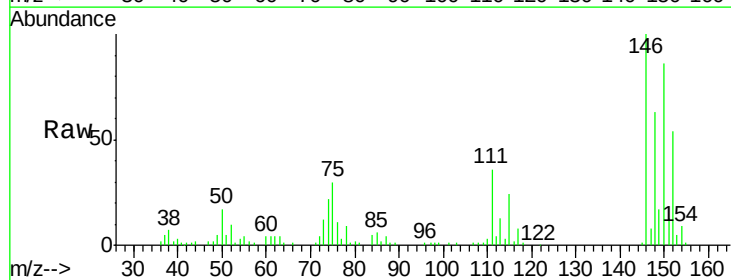
Instrument :
 MSVOA_X
 ClientSampled :
 BFB

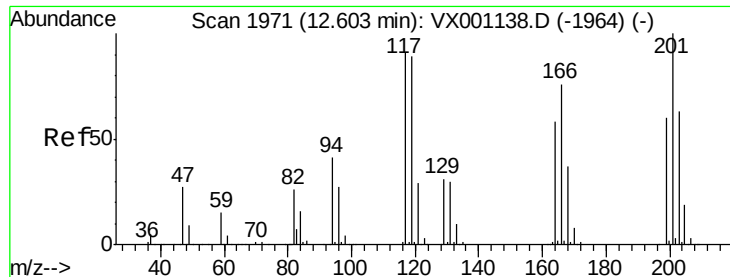
Tgt Ion:119 Resp: 2405
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.4 40.1
 91 24.0 11.6 34.8



#88
 1,4-Dichlorobenzene
 Concen: 3.170 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion:146 Resp: 16321
 Ion Ratio Lower Upper
 146 100
 111 46.2 18.0 54.0
 148 68.2 32.5 97.5

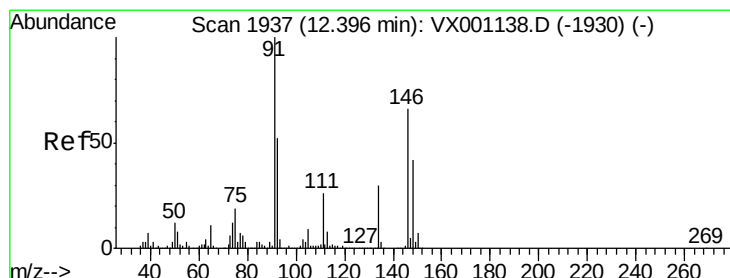
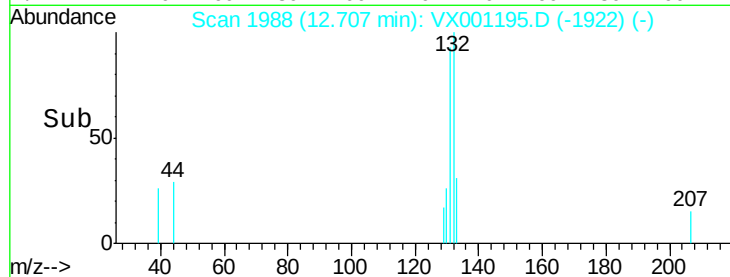
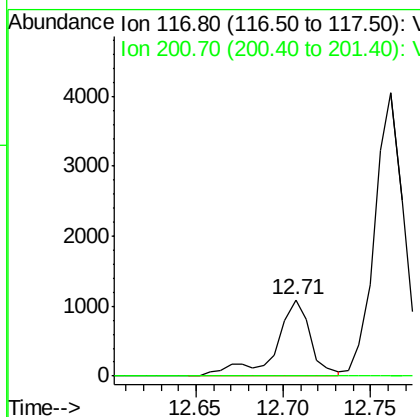
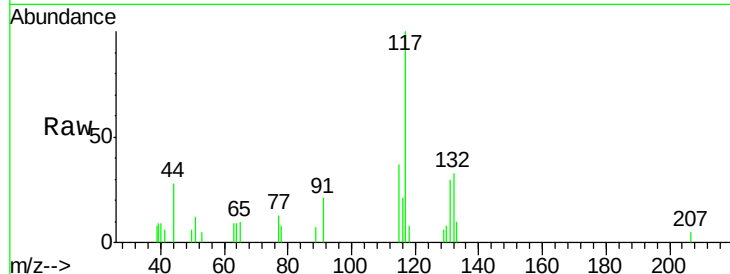




#90
 Hexachloroethane
 Concen: 4.411 ug/l
 RT: 12.71 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tgt Ion:117 Resp: 1525
 Ion Ratio Lower Upper
 117 100
 201 0.0 51.8 155.4#



#91
 1,2-Dichlorobenzene
 Concen: 0.542 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001195.D
 Acq: 28 Apr 2018 02:42

Tgt Ion:146 Resp: 2707
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.1 57.3
 148 64.8 32.2 96.6

