

Data File : VX001090.D

Acq On : 24 Apr 2018 21:53

Operator : JC/MD

Sample : J2463-13

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z1TB07-180416

Quant Time: Apr 25 07:23:19 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 20 05:03:28 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	158814	50.00	ug/l	0.00

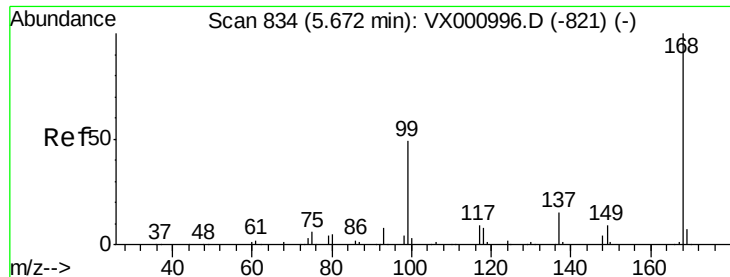
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	168845	57.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.50%	
35) Dibromofluoromethane	5.51	113	129085	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	8.73	98	482162	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	11.14	95	163821	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	470	Below Cal	#	78
10) Methyl Iodide	2.53	142	461	7.76	ug/l #	86
11) Tert butyl alcohol	3.07	59	614	1.38	ug/l #	59
13) Acrolein	2.29	56	221	12.46	ug/l #	14
15) Acrylonitrile	3.16	53	542	0.45	ug/l #	41
16) Acetone	2.45	43	3941	3.55	ug/l	91
17) Carbon Disulfide	2.57	76	1394	0.22	ug/l #	91
20) Methylene Chloride	2.86	84	1220	Below Cal	#	89
29) Tetrahydrofuran	5.17	42	272	0.25	ug/l #	34
38) Carbon Tetrachloride	5.67	117	20290	5.25	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	84612	30.71	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	84612	91.36	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	1001	0.22	ug/l	95
94) Hexachlorobutadiene	13.79	225	506	0.24	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001090.D

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Instrument :

MSVOA_X

ClientSampleId :

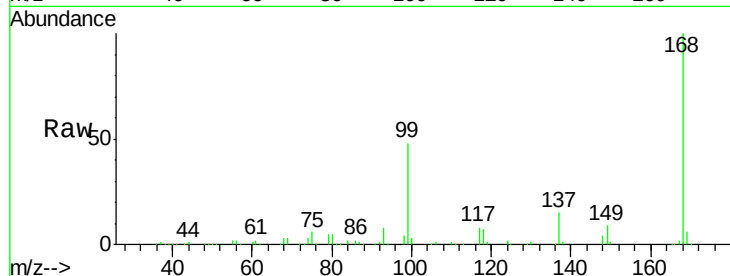
Z1TB07-180416

Tgt Ion:168 Resp: 232665

Ion Ratio Lower Upper

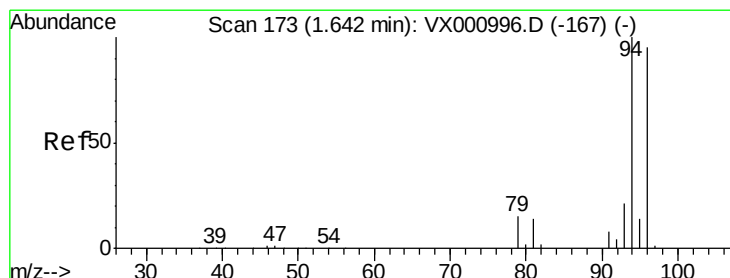
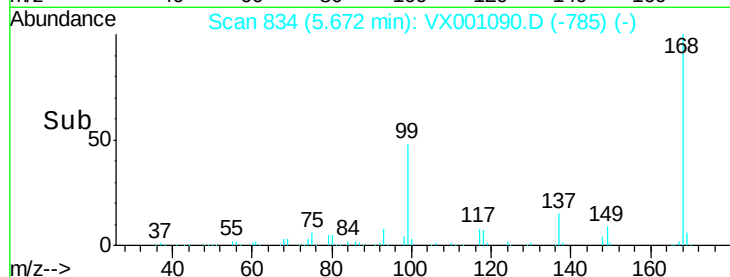
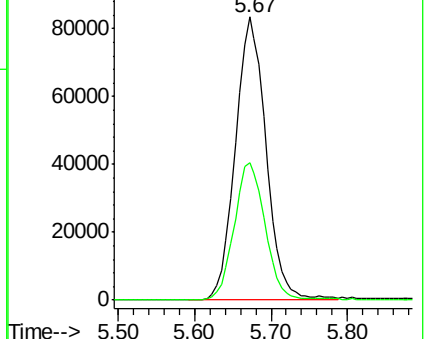
168 100

99 48.5 39.2 58.8



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: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX001090.D

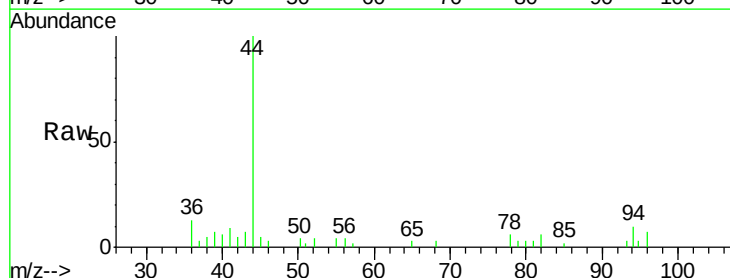
Acq: 24 Apr 2018 21:53

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

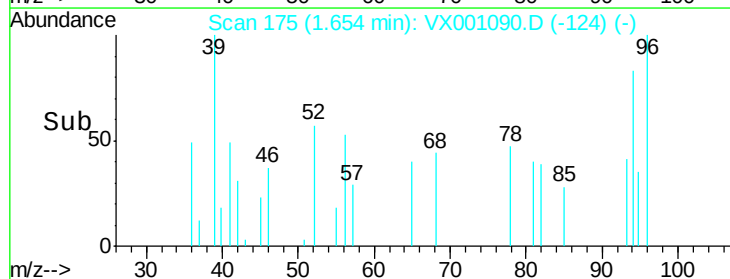
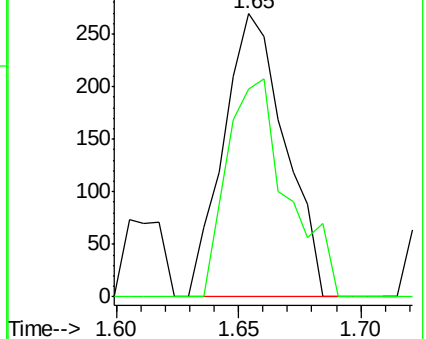
94 100

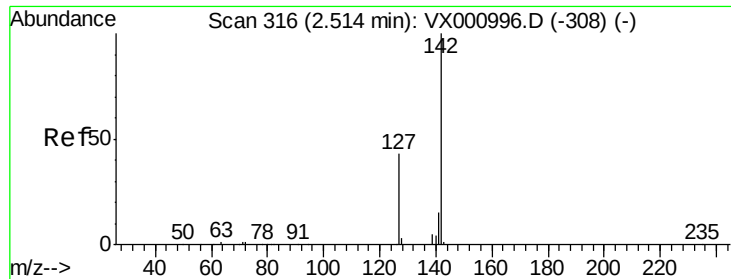
96 73.6 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

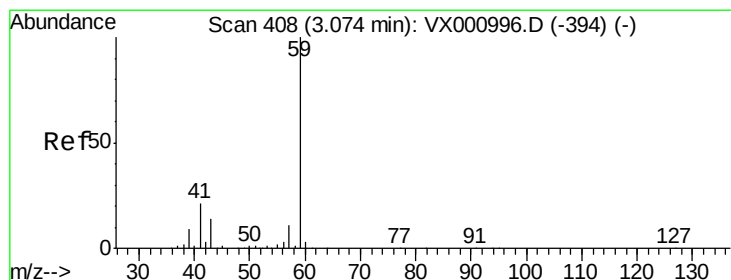
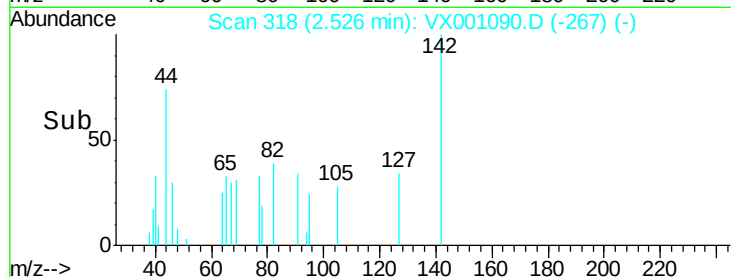
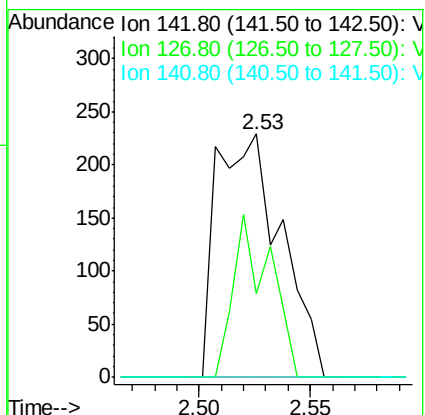
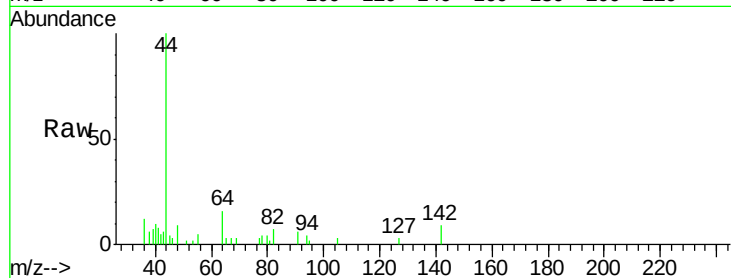




#10
Methyl Iodide
Concen: 7.76 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001090.D
Acq: 24 Apr 2018 21:53

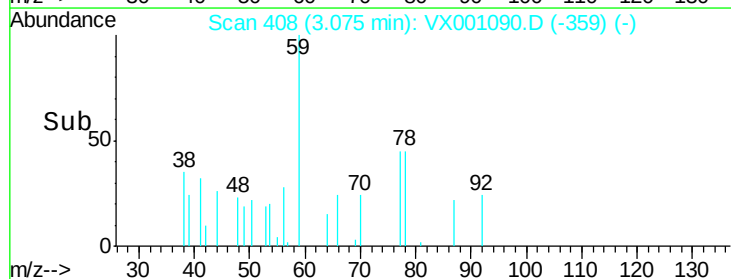
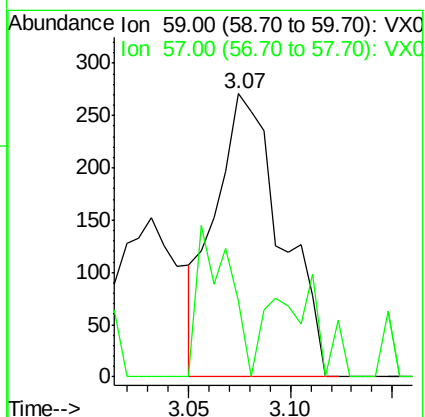
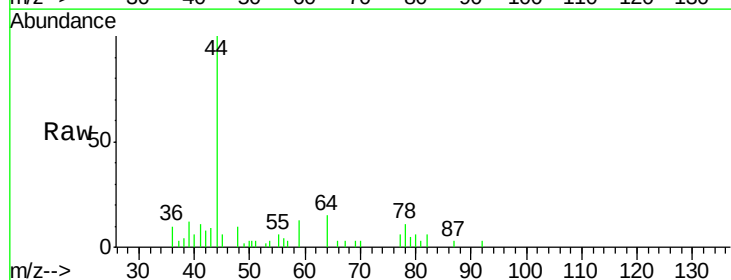
Instrument :
MSVOA_X
ClientSampleId :
Z1TB07-180416

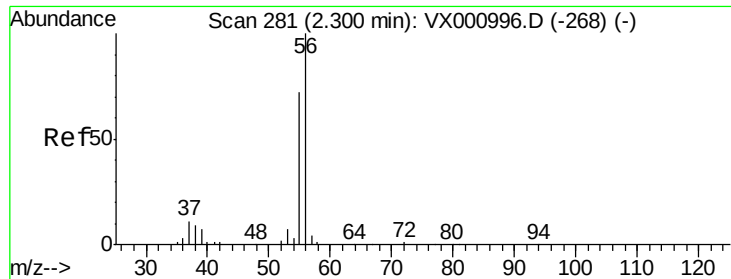
Tgt Ion: 142 Resp: 461
Ion Ratio Lower Upper
142 100
127 38.4 34.0 51.0
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.38 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001090.D
Acq: 24 Apr 2018 21:53

Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 25.6 8.3 12.5#





#13

Acrolein

Concen: 12.46 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

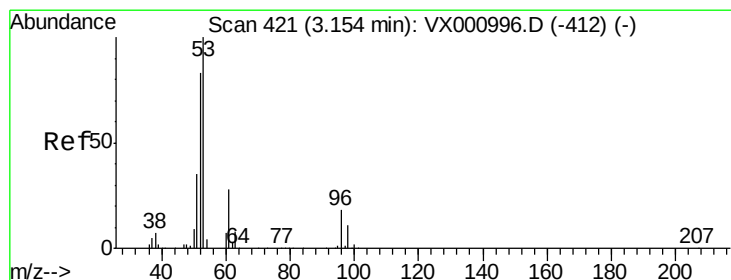
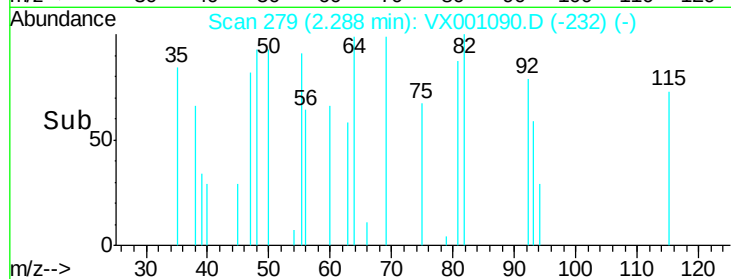
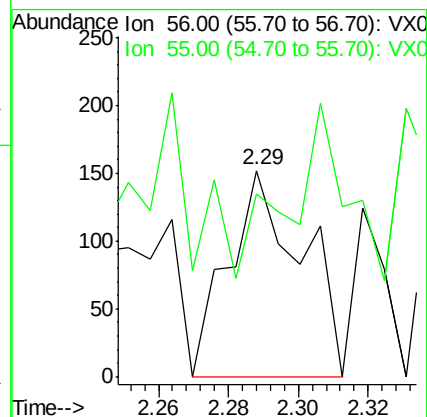
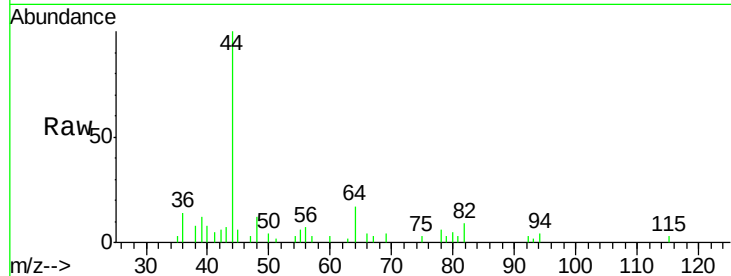
Z1TB07-180416

Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#15

Acrylonitrile

Concen: 0.45 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

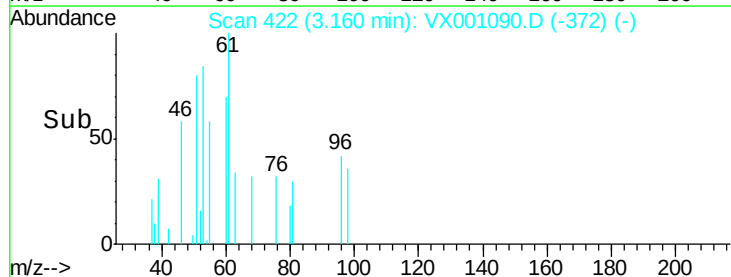
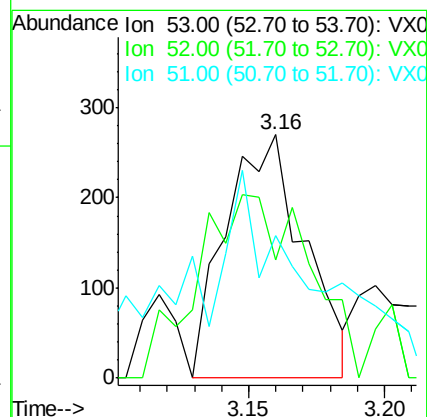
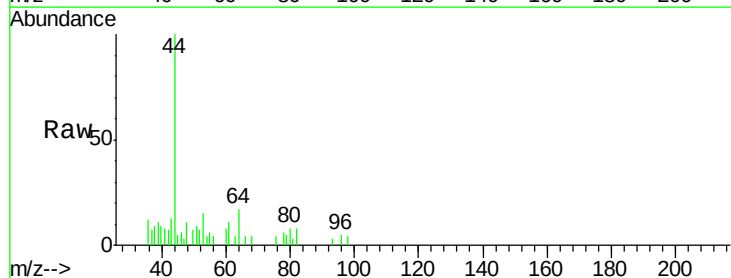
Tgt Ion: 53 Resp: 542

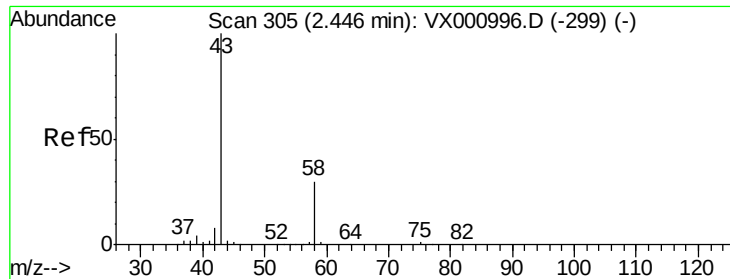
Ion Ratio Lower Upper

53 100

52 105.9 66.4 99.6#

51 116.8 29.0 43.6#





#16

Acetone

Concen: 3.55 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

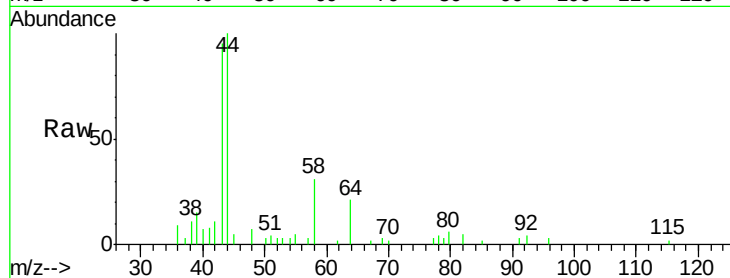
Z1TB07-180416

Tgt Ion: 43 Resp: 3941

Ion Ratio Lower Upper

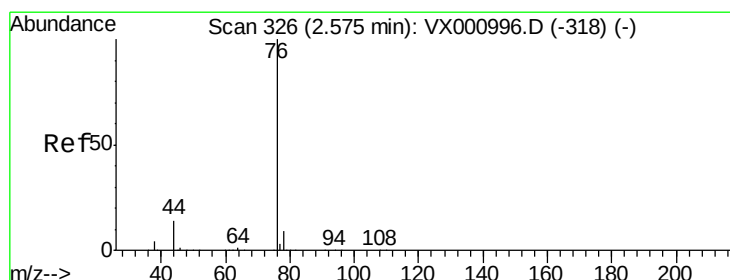
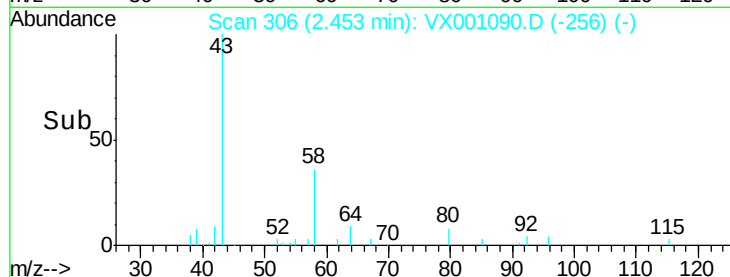
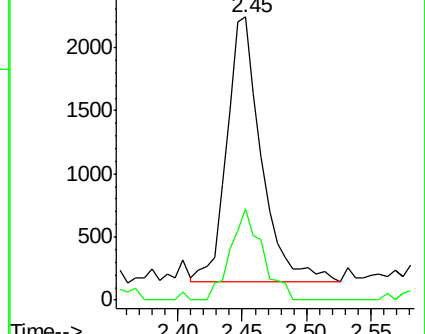
43 100

58 34.4 23.7 35.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX001090.D

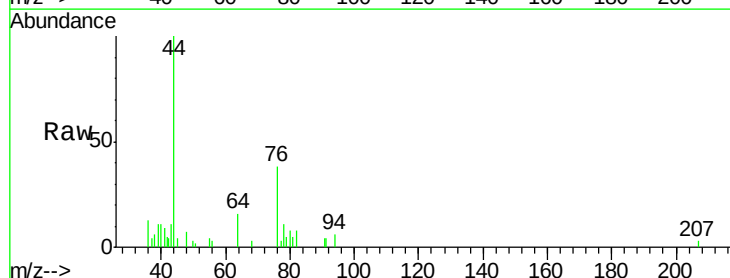
Acq: 24 Apr 2018 21:53

Tgt Ion: 76 Resp: 1394

Ion Ratio Lower Upper

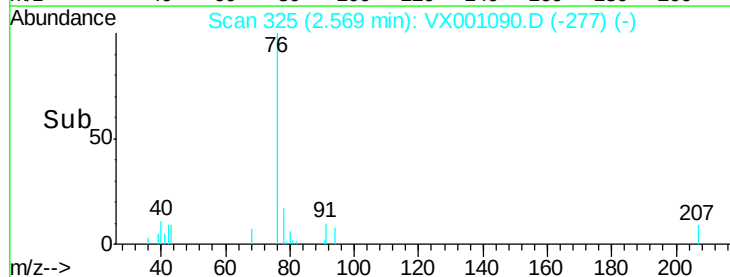
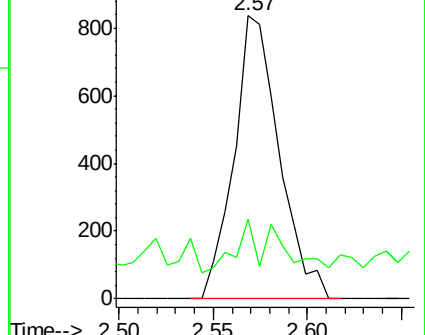
76 100

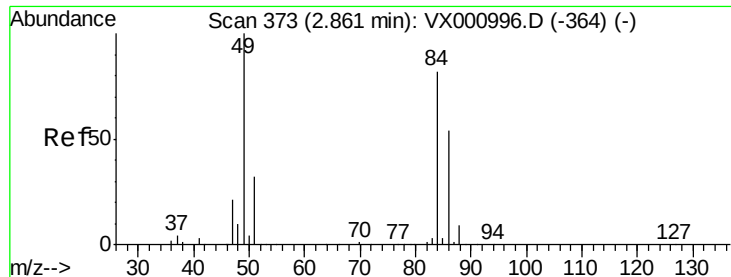
78 12.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



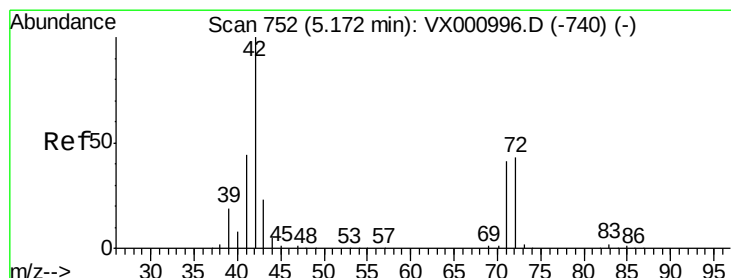
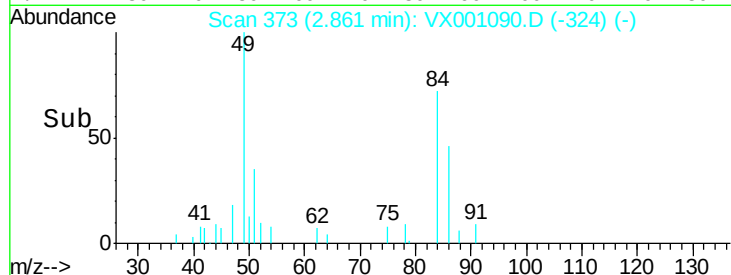
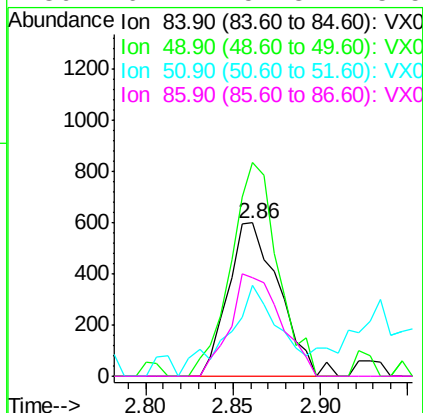
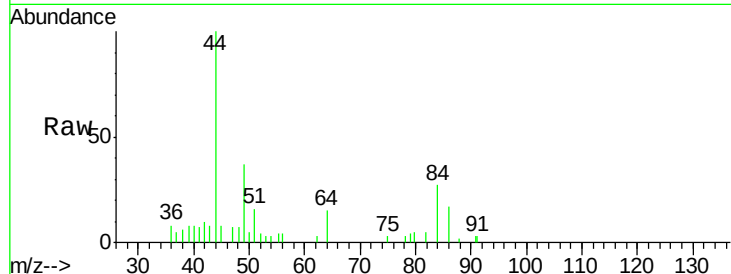


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB07-180416

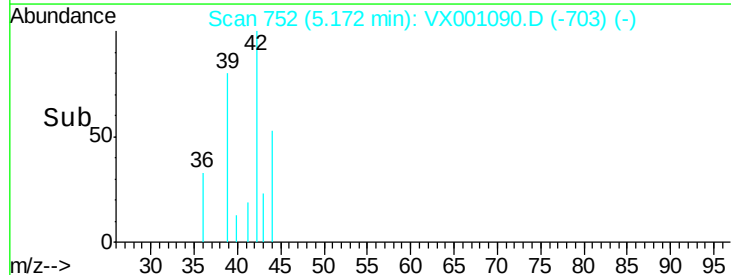
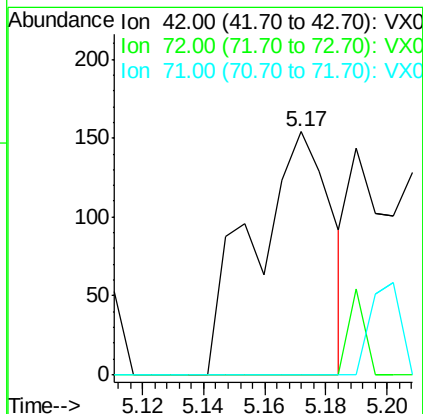
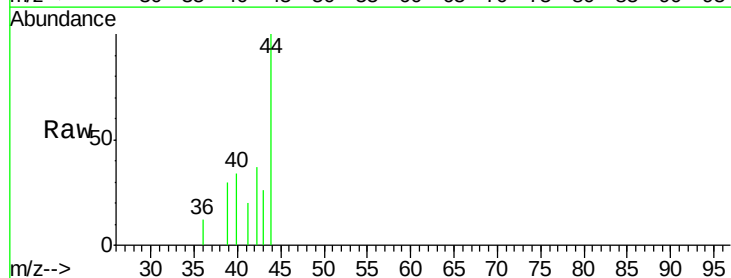
Tgt Ion:	84	Resp:	1220
Ion	Ratio	Lower	Upper
84	100		
49	139.2	97.1	145.7
51	47.2	30.8	46.2#
86	64.2	52.3	78.5

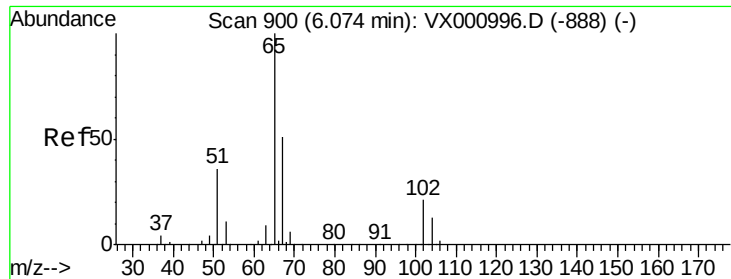


#29

Tetrahydrofuran
 Concen: 0.25 ug/l
 RT: 5.17 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Tgt Ion:	42	Resp:	272
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	52.0#
71	0.0	32.6	49.0#

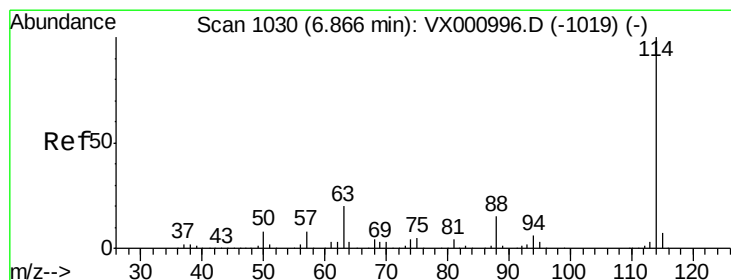
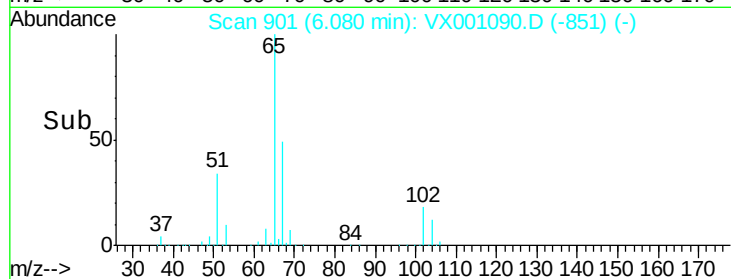
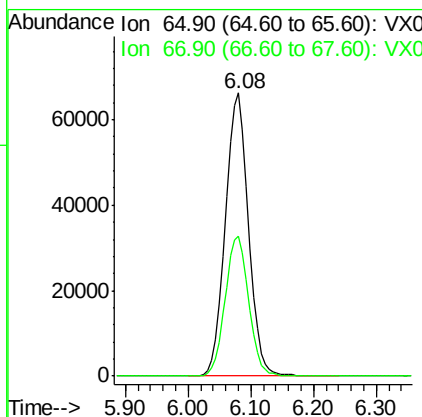
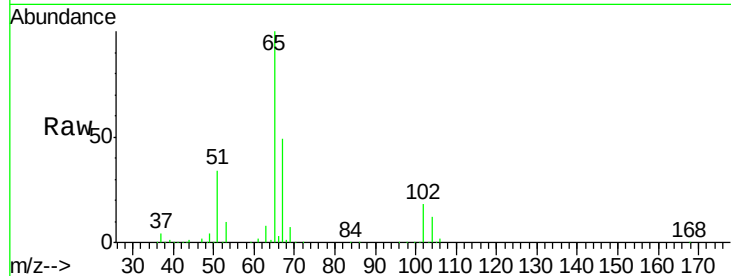




#33
 1,2-Dichloroethane-d4
 Concen: 57.25 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

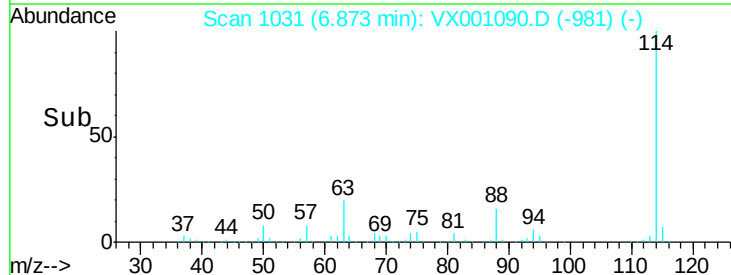
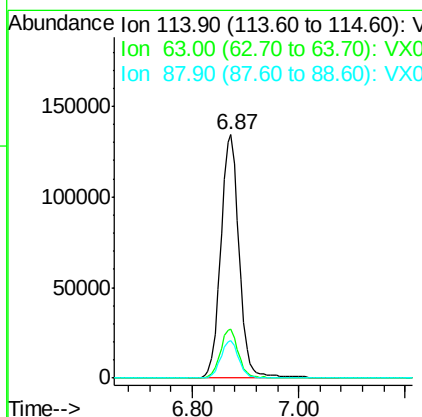
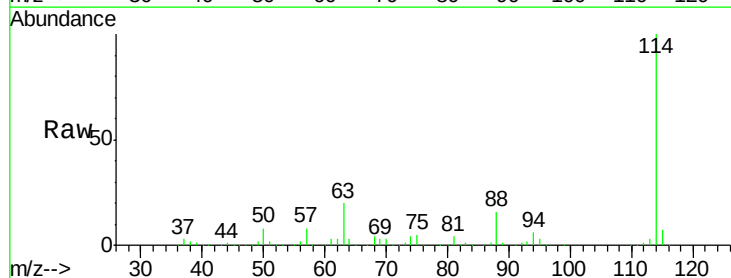
Instrument :
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 Z1TB07-180416

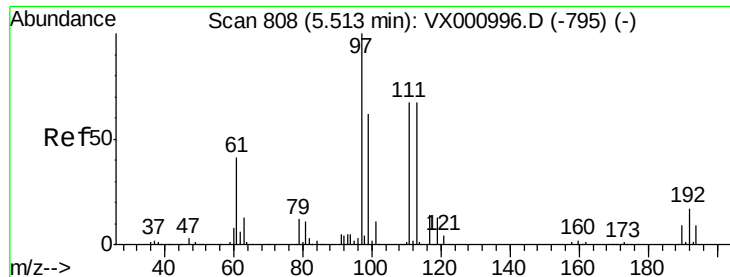
Tgt Ion: 65 Resp: 168845
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Tgt Ion: 114 Resp: 324682
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.5 0.0 29.8

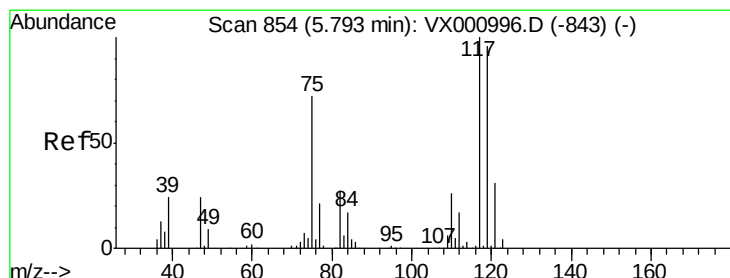
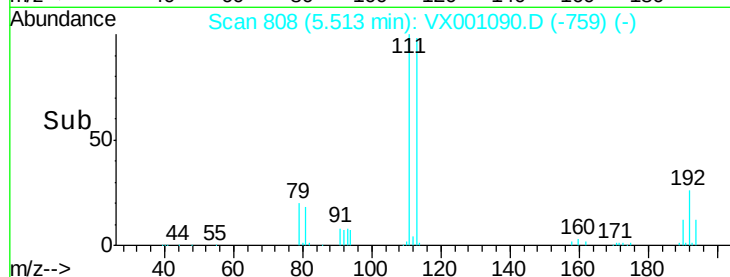
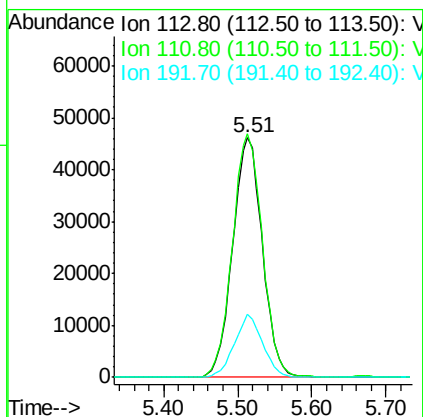
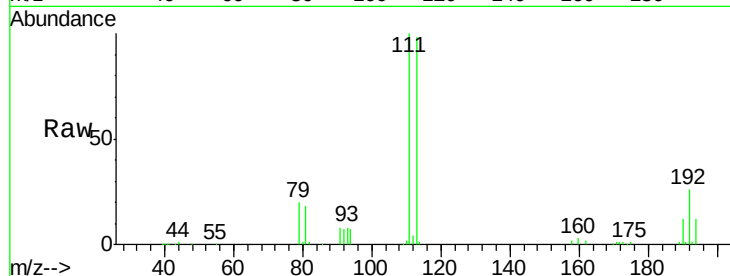




#35
 Dibromofluoromethane
 Concen: 52.14 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

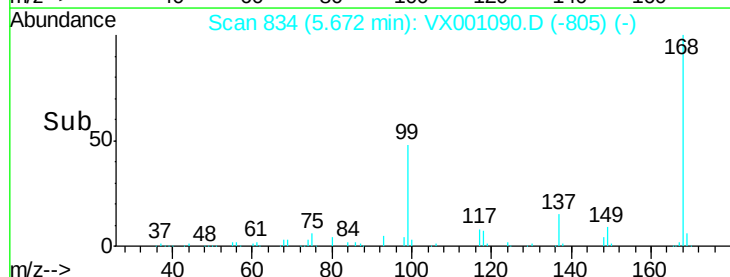
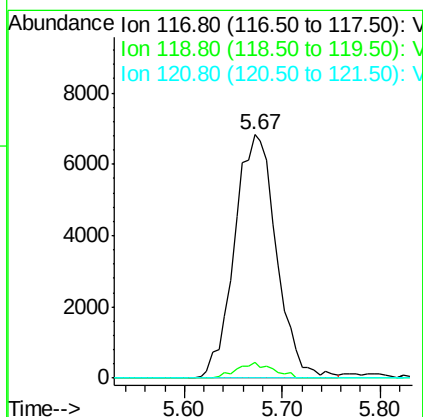
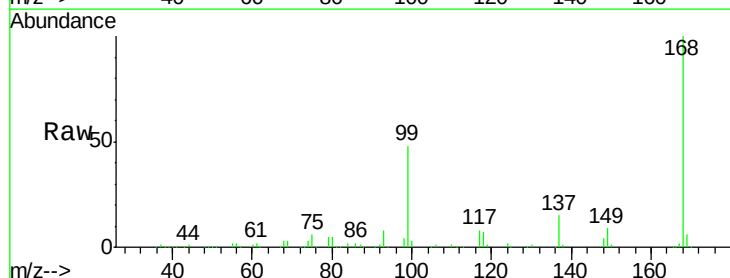
Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB07-180416

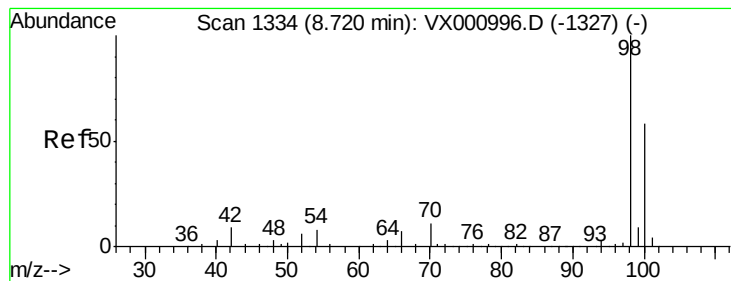
Tgt Ion:113 Resp: 129085
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 24.9 20.4 30.6



#38
 Carbon Tetrachloride
 Concen: 5.25 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Tgt Ion:117 Resp: 20290
 Ion Ratio Lower Upper
 117 100
 119 6.7 76.5 114.7#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 52.67 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

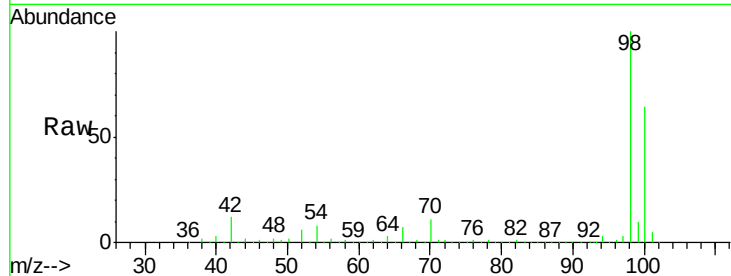
Z1TB07-180416

Tgt Ion: 98 Resp: 482162

Ion Ratio Lower Upper

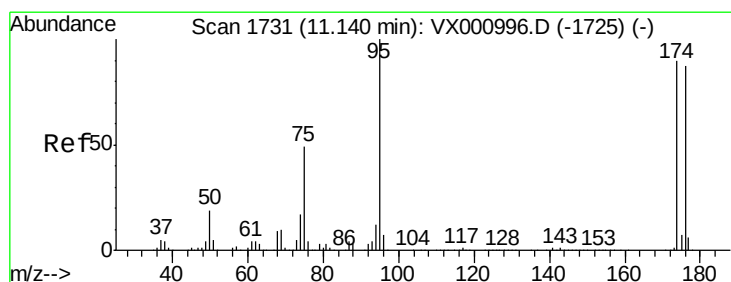
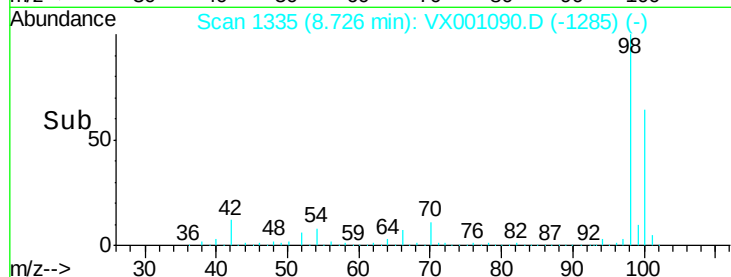
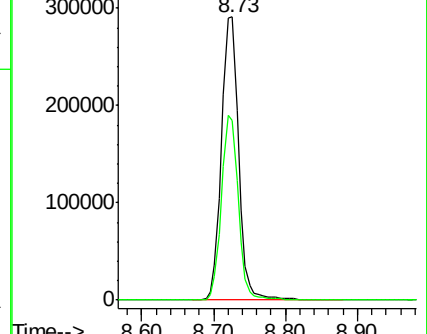
98 100

100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

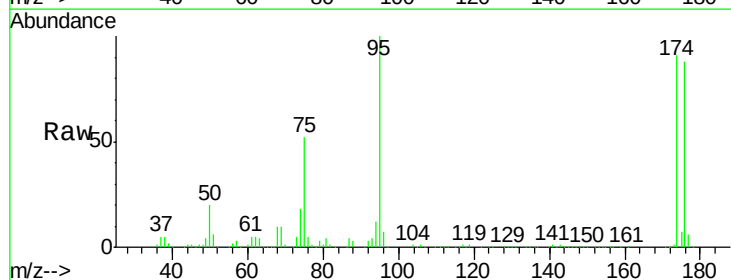
Tgt Ion: 95 Resp: 163821

Ion Ratio Lower Upper

95 100

174 98.0 0.0 198.4

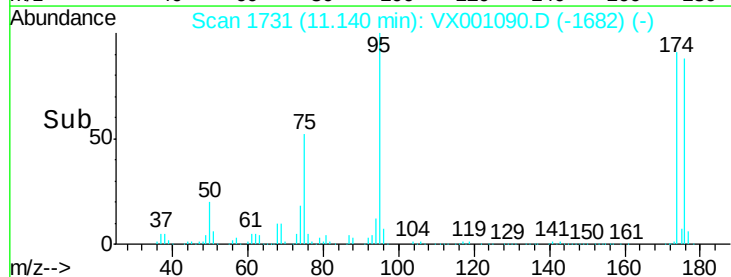
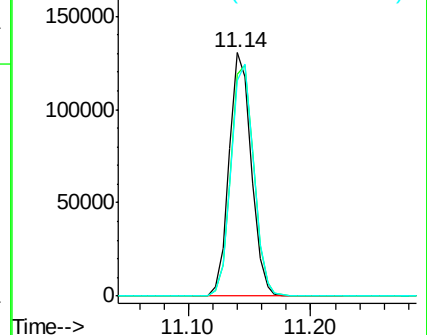
176 97.0 0.0 192.0

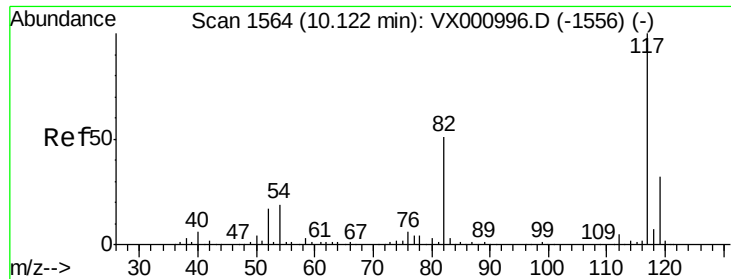


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

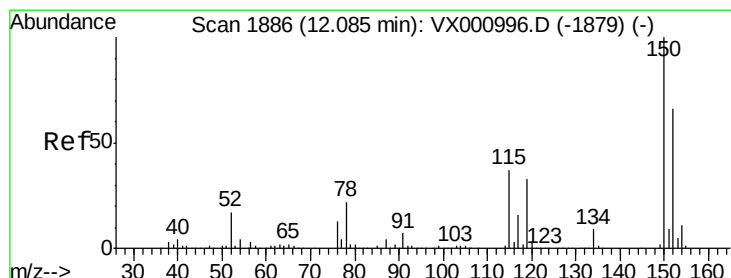
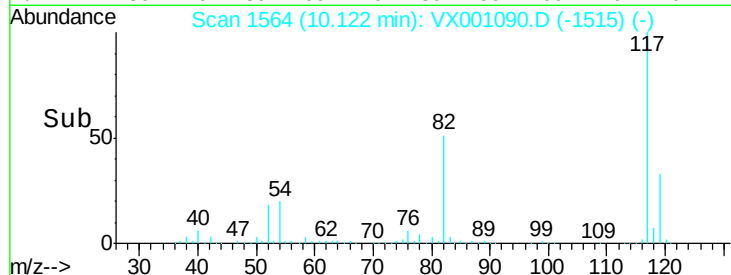
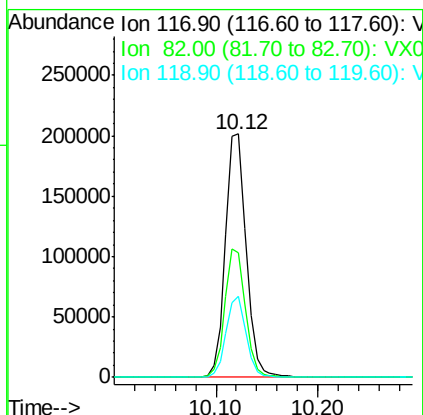
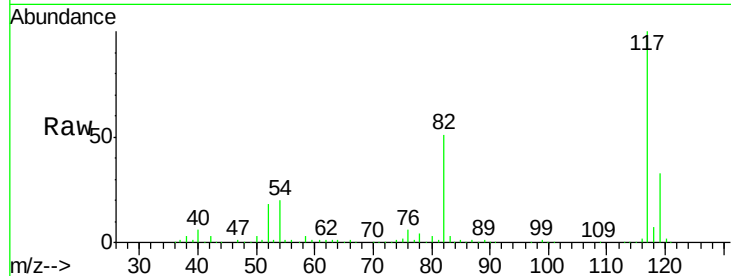




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001090.D
Acq: 24 Apr 2018 21:53

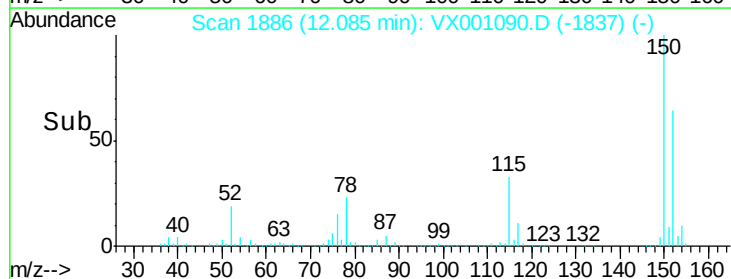
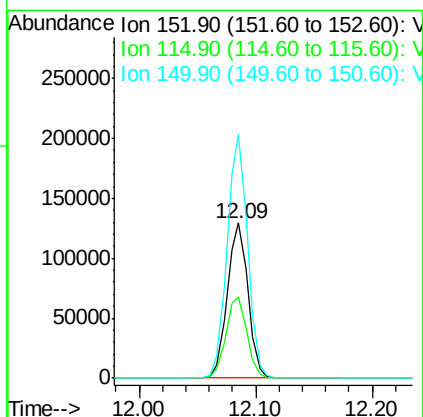
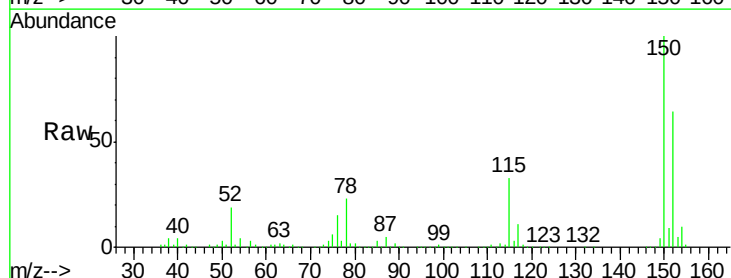
Instrument :
MSVOA_X
ClientSampleId :
Z1TB07-180416

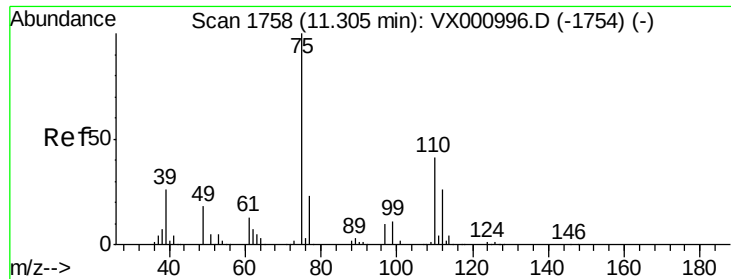
Tgt Ion:117 Resp: 284857
Ion Ratio Lower Upper
117 100
82 51.2 40.6 60.8
119 33.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001090.D
Acq: 24 Apr 2018 21:53

Tgt Ion:152 Resp: 158814
Ion Ratio Lower Upper
152 100
115 53.2 38.2 114.6
150 155.7 0.0 350.4





#76

1,2,3-Trichloropropane

Concen: 30.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

Instrument :

MSVOA_X

ClientSampleId :

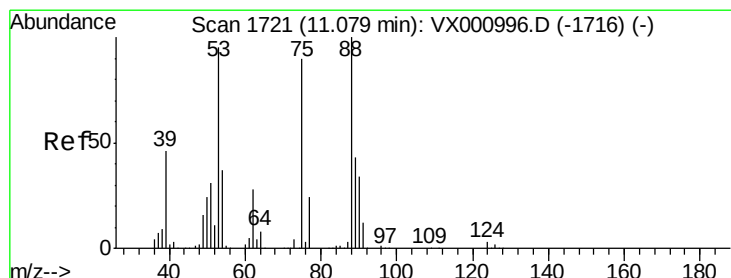
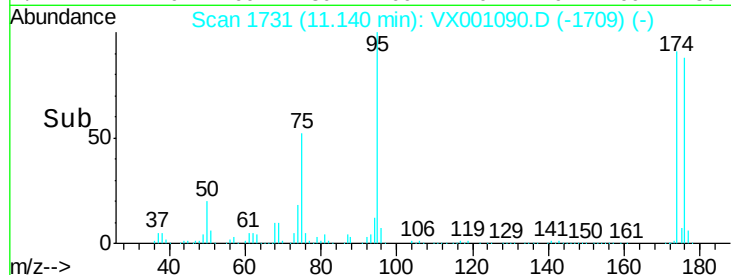
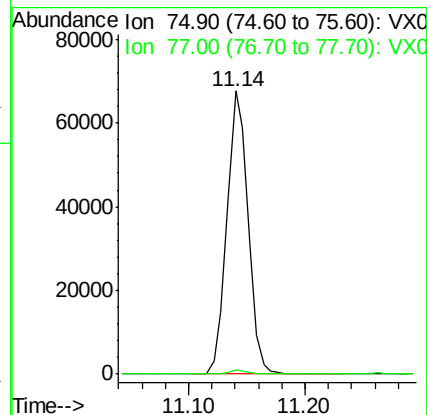
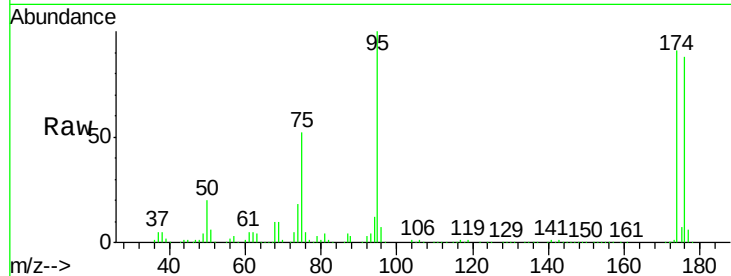
Z1TB07-180416

Tgt Ion: 75 Resp: 84612

Ion Ratio Lower Upper

75 100

77 1.4 19.6 58.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001090.D

Acq: 24 Apr 2018 21:53

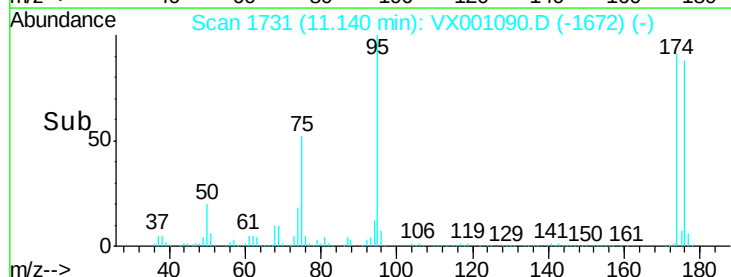
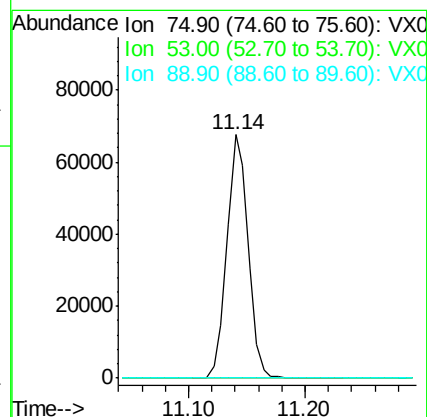
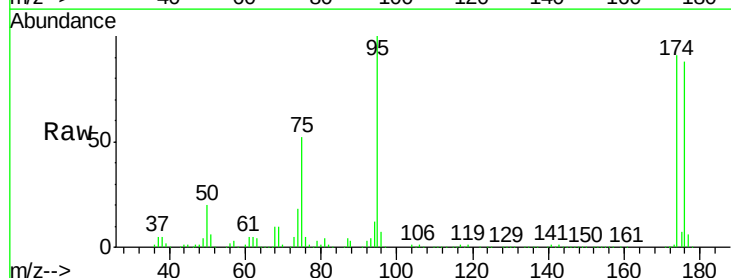
Tgt Ion: 75 Resp: 84612

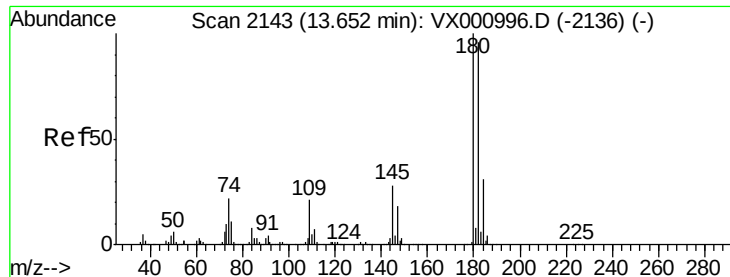
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#

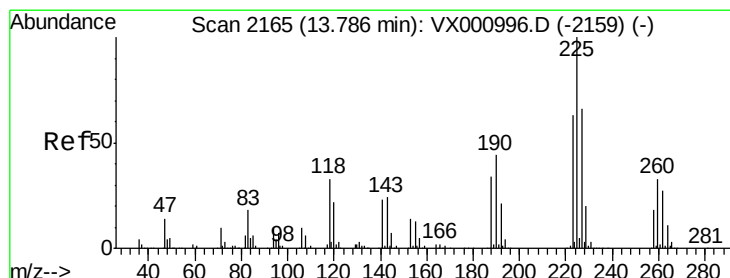
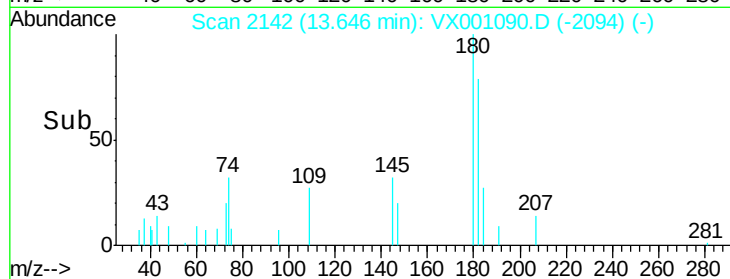
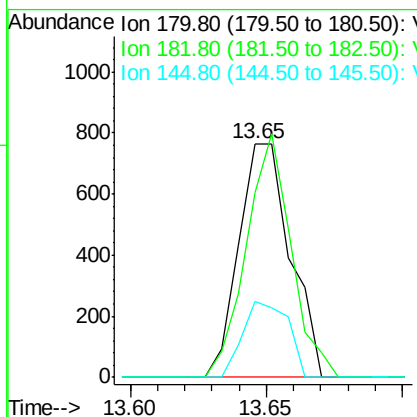
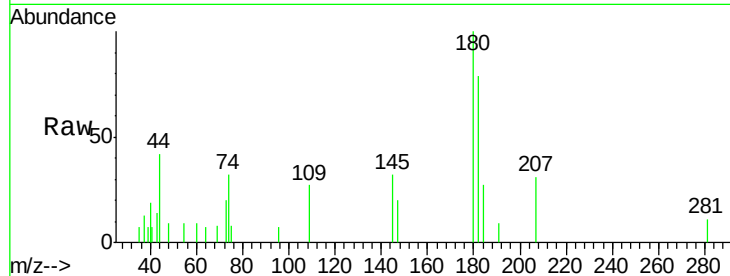




#93
 1,2,4-Trichlorobenzene
 Concen: 0.22 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Instrument :
 MSVOA_X
 ClientSampled :
 Z1TB07-180416

Tgt Ion:180 Resp: 1001
 Ion Ratio Lower Upper
 180 100
 182 90.3 48.0 144.0
 145 28.6 13.9 41.7



#94
 Hexachlorobutadiene
 Concen: 0.24 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX001090.D
 Acq: 24 Apr 2018 21:53

Tgt Ion:225 Resp: 506
 Ion Ratio Lower Upper
 225 100
 223 54.9 31.5 94.5
 227 60.5 32.6 97.8

