

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042318\
 Data File : VX001062.D
 Acq On : 23 Apr 2018 16:44
 Operator : JC/MD
 Sample : J2464-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1TB08-180416

Quant Time: Apr 24 07:03:04 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	205153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	287590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	149008	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	135065	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	5.51	113	104037	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	8.72	98	400527	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.14	95	142482	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	

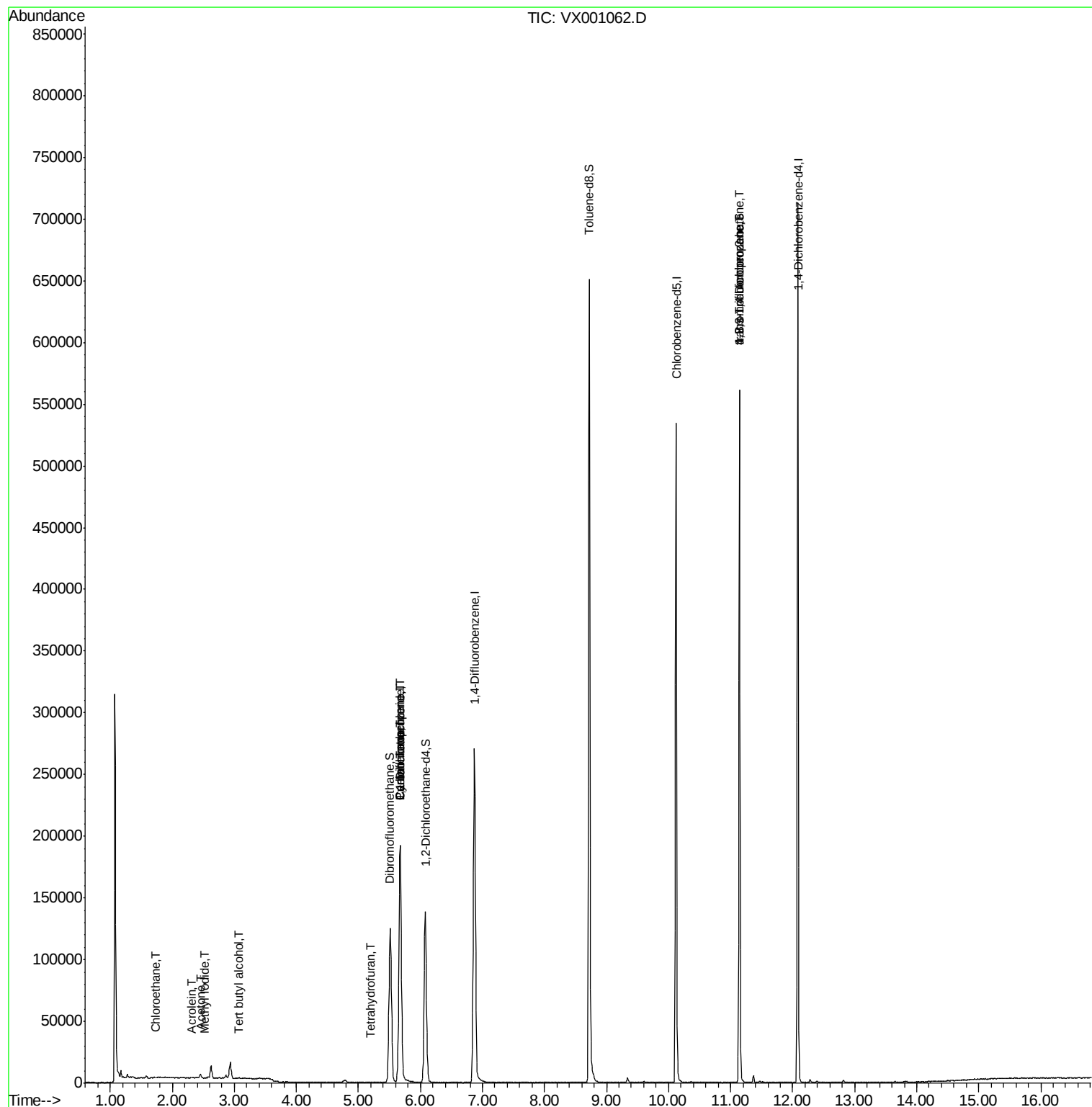
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	331	Below Cal	#	58
6) Chloroethane	1.73	64	343	0.24	ug/l	92
10) Methyl Iodide	2.51	142	19	7.61	ug/l #	41
11) Tert butyl alcohol	3.08	59	358	0.91	ug/l #	73
13) Acrolein	2.31	56	70	11.48	ug/l #	1
16) Acetone	2.45	43	3140	3.21	ug/l	97
20) Methylene Chloride	2.86	84	840	Below Cal		88
29) Tetrahydrofuran	5.18	42	205	0.21	ug/l #	34
31) Cyclohexane	5.68	56	3625	0.99	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	12937	3.83	ug/l #	49
38) Carbon Tetrachloride	5.67	117	18382	5.37	ug/l #	18
76) 1,2,3-Trichloropropane	11.14	75	72860	28.18	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	72860	84.12	ug/l #	8

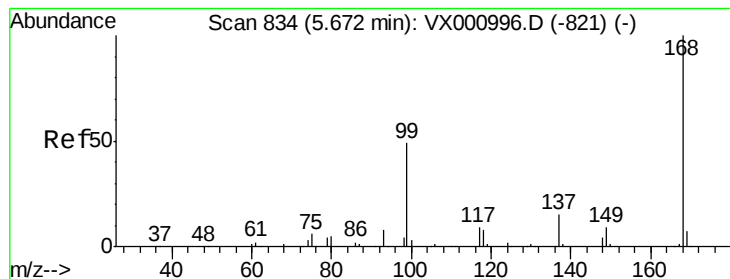
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

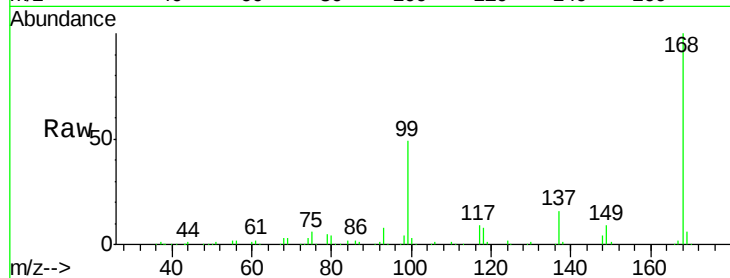
Z1TB08-180416

Tgt Ion:168 Resp: 205153

Ion Ratio Lower Upper

168 100

99 49.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

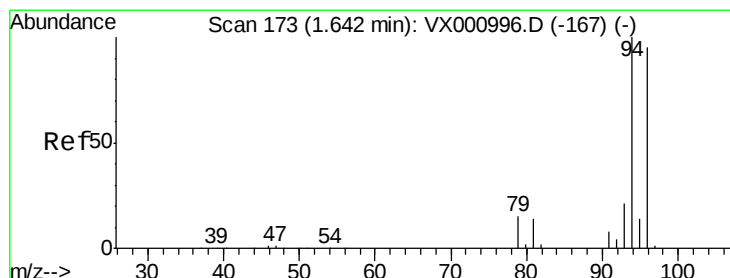
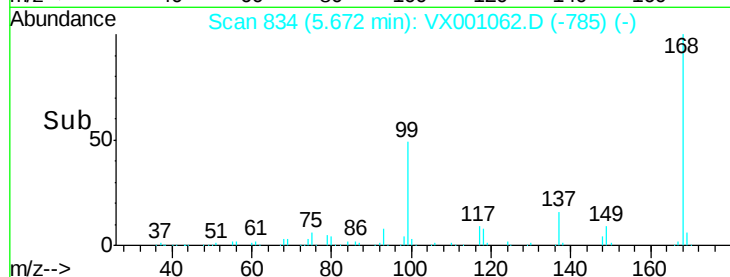
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX001062.D

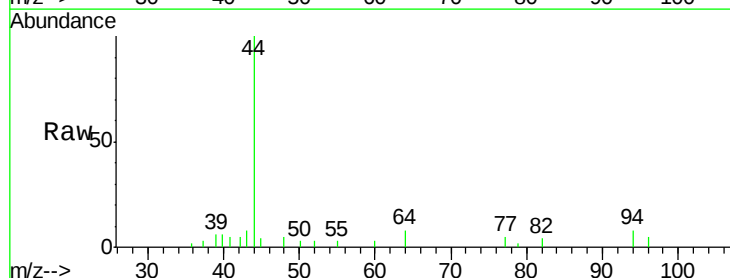
Acq: 23 Apr 2018 16:44

Tgt Ion: 94 Resp: 331

Ion Ratio Lower Upper

94 100

96 54.5 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

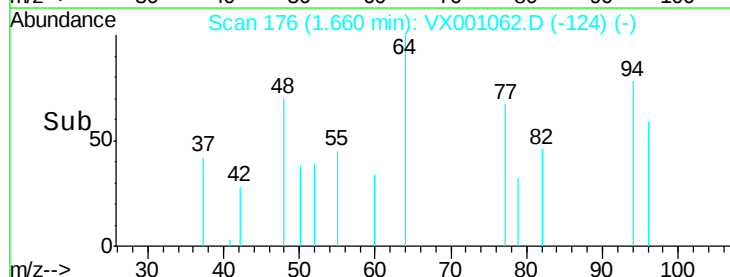
150

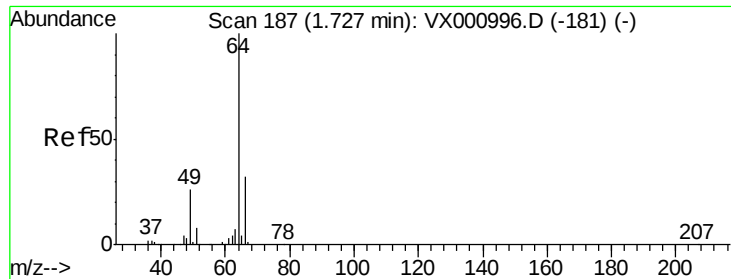
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.24 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

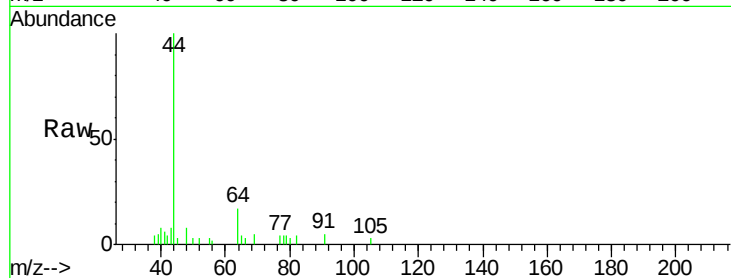
Z1TB08-180416

Tgt Ion: 64 Resp: 343

Ion Ratio Lower Upper

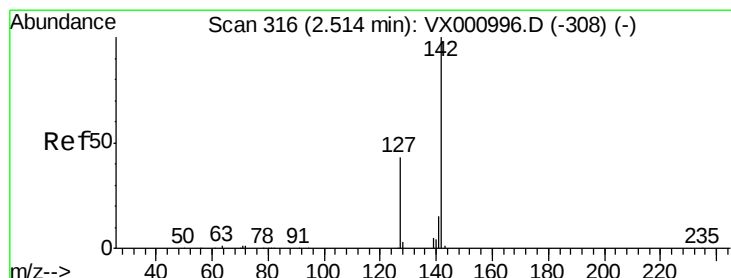
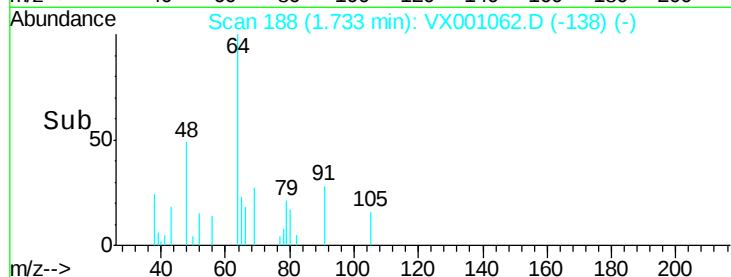
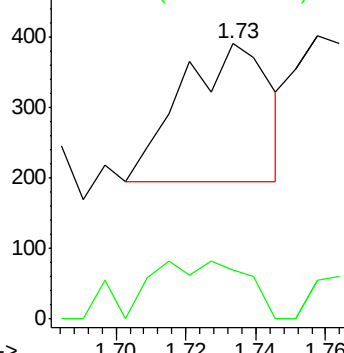
64 100

66 35.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 7.61 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

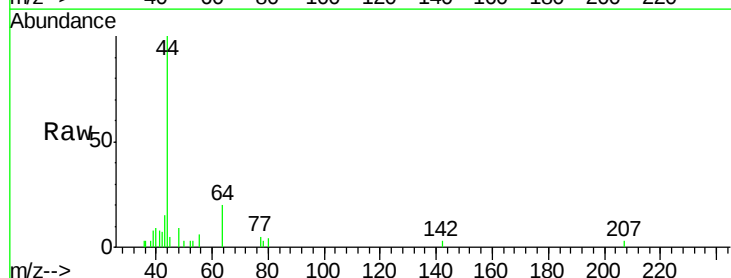
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

142 100

127 0.0 34.0 51.0#

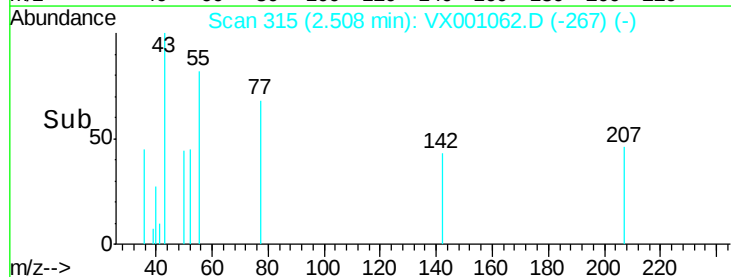
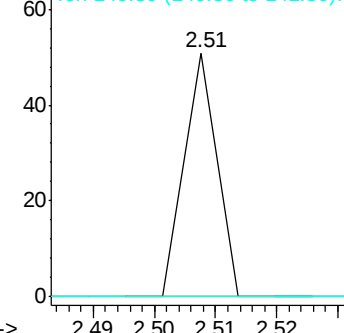
141 0.0 11.4 17.2#

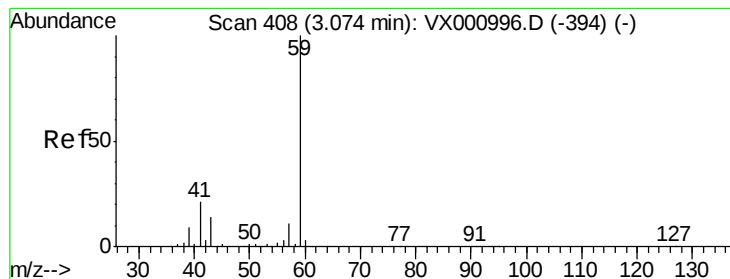


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



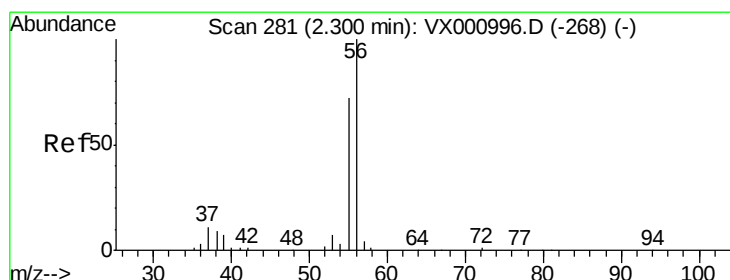
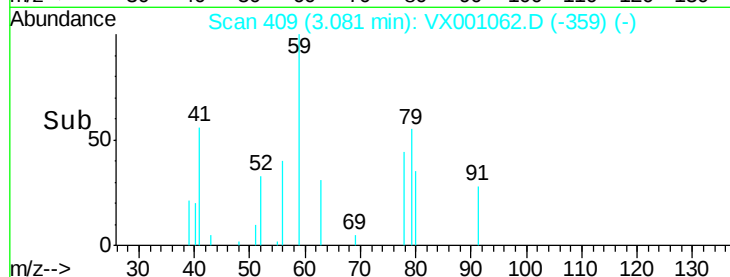
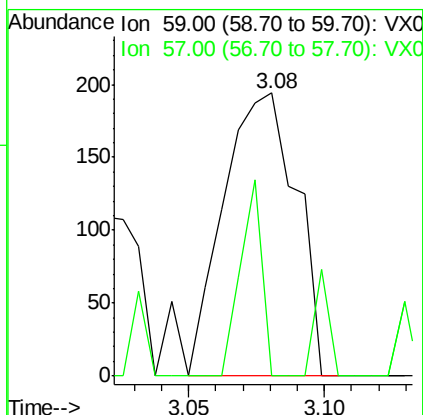
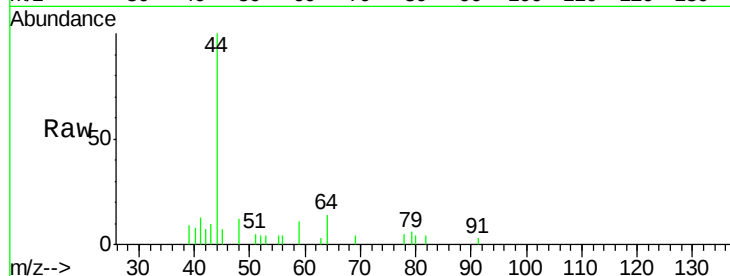


#11

Tert butyl alcohol
Concen: 0.91 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

Instrument :
MSVOA_X
ClientSampleId :
Z1TB08-180416

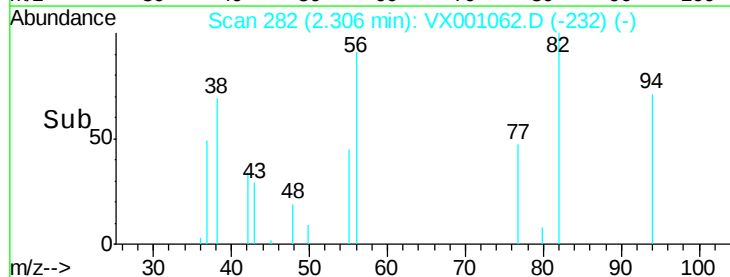
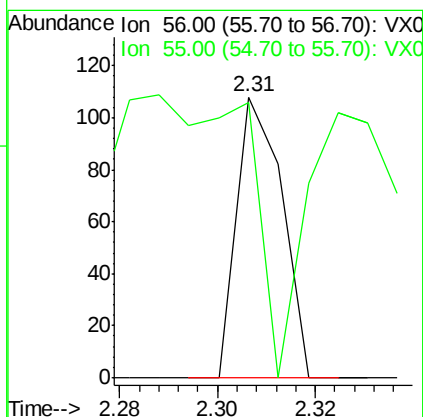
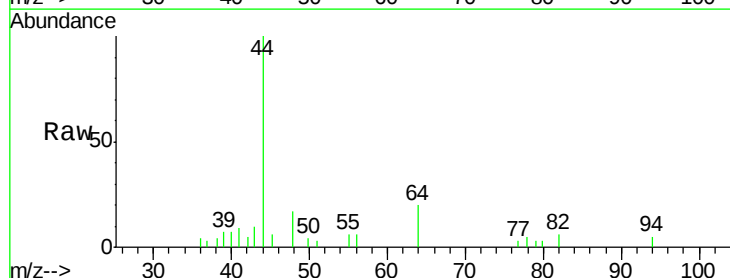
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 20.7 8.3 12.5#

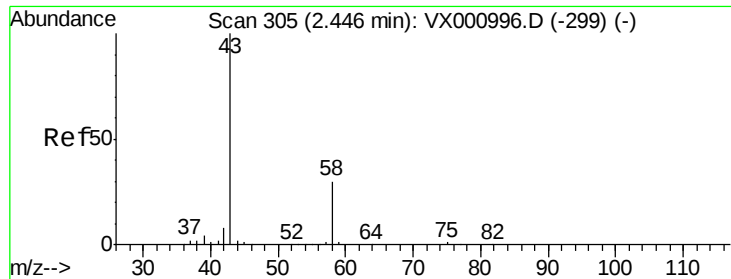


#13

Acrolein
Concen: 11.48 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 217.1 57.4 86.2#





#16

Acetone

Concen: 3.21 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

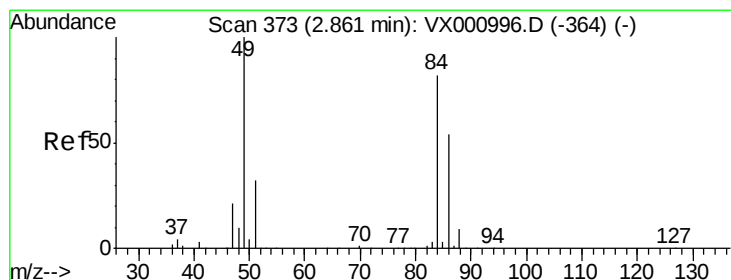
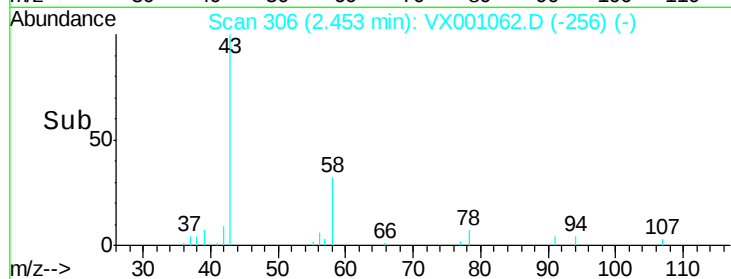
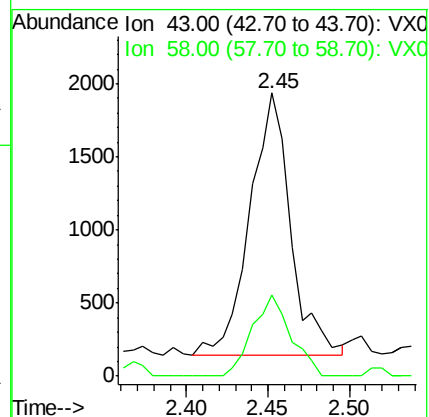
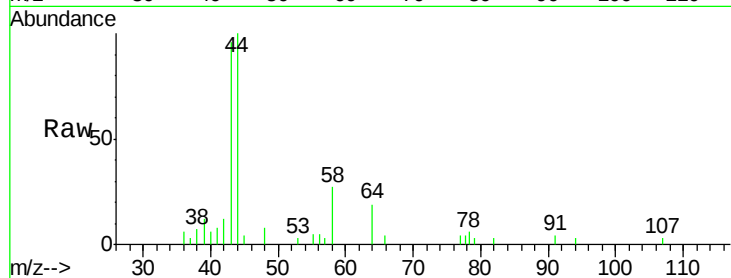
Z1TB08-180416

Tgt Ion: 43 Resp: 3140

Ion Ratio Lower Upper

43 100

58 31.0 23.7 35.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Tgt Ion: 84 Resp: 840

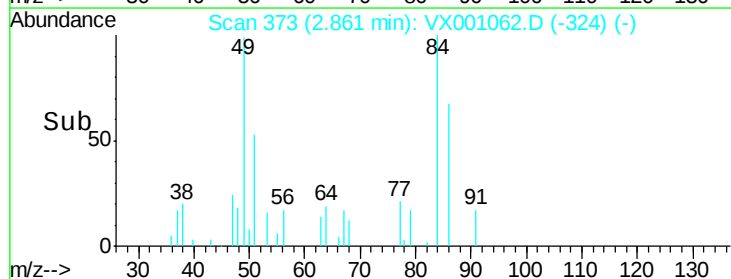
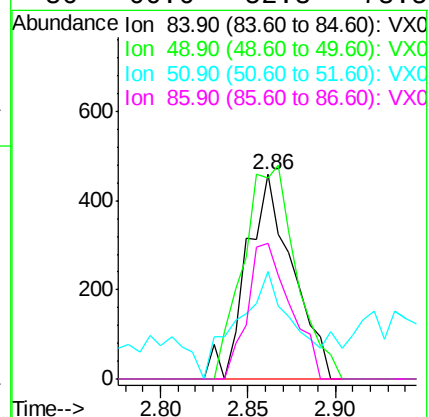
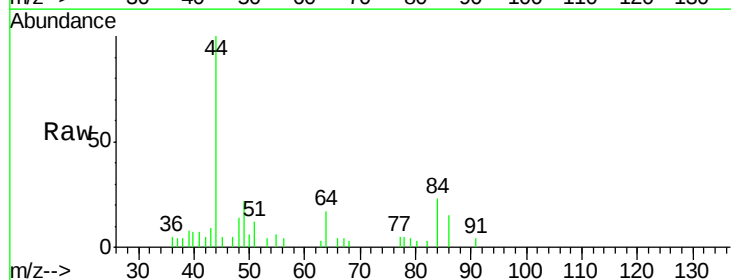
Ion Ratio Lower Upper

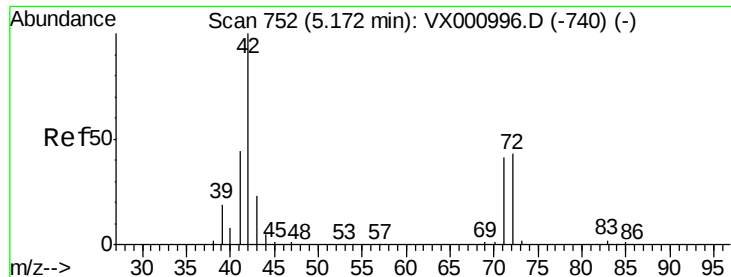
84 100

49 98.7 97.1 145.7

51 39.5 30.8 46.2

86 66.6 52.3 78.5

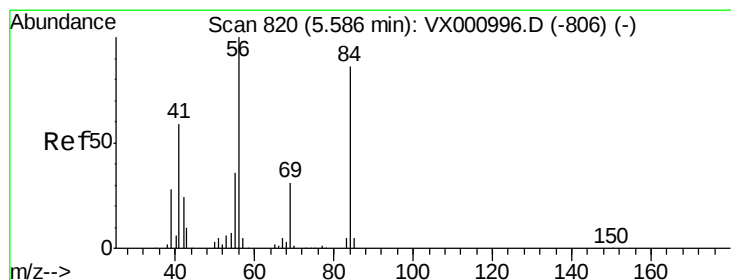
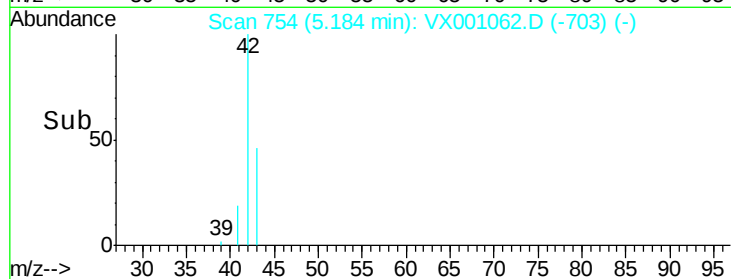
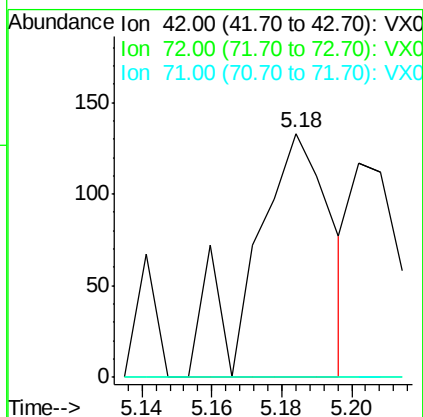
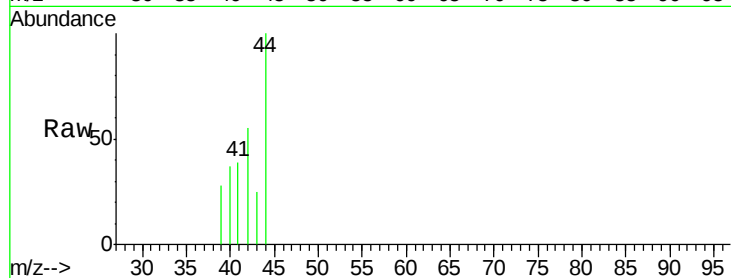




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.18 min Scan# 754
Delta R.T. 0.01 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

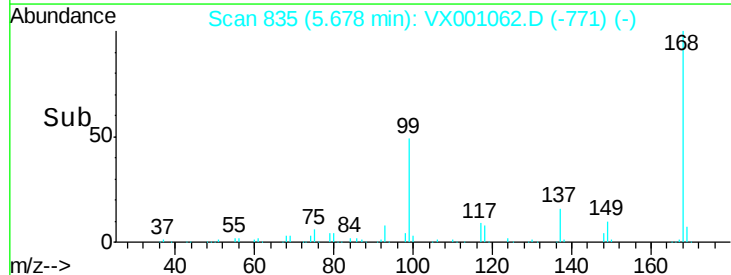
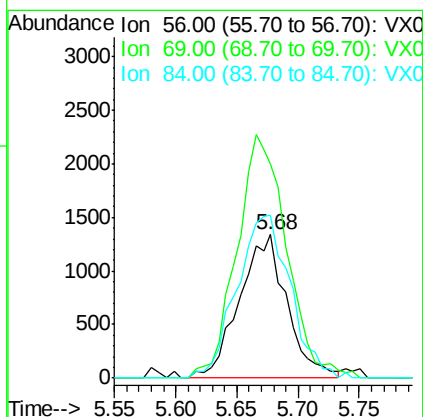
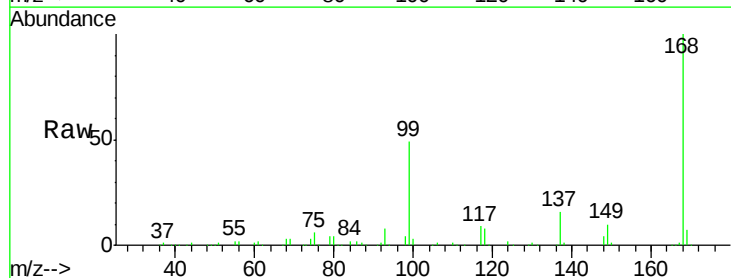
Instrument :
MSVOA_X
ClientSampleId :
Z1TB08-180416

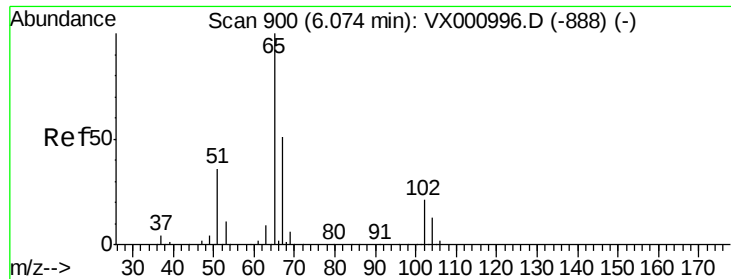
Tgt Ion: 42 Resp: 205
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 32.6 49.0#



#31
Cyclohexane
Concen: 0.99 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

Tgt Ion: 56 Resp: 3625
Ion Ratio Lower Upper
56 100
69 149.3 24.6 36.8#
84 113.7 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 51.94 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

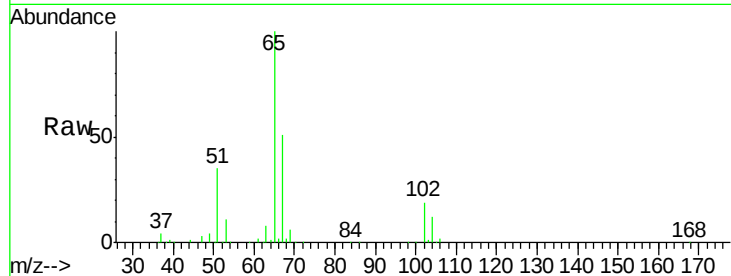
Z1TB08-180416

Tgt Ion: 65 Resp: 135065

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.08

50000

40000

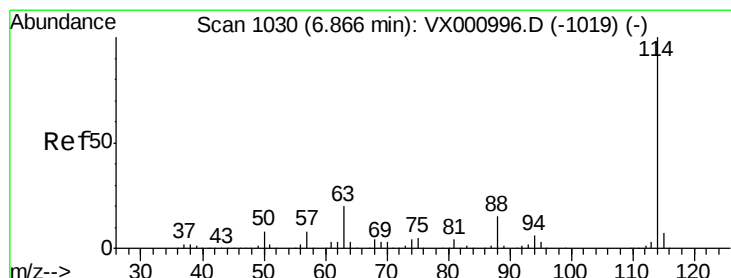
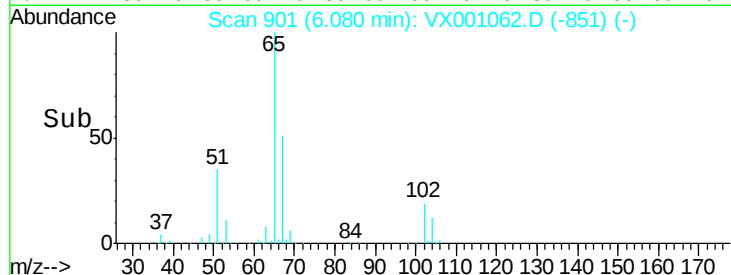
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

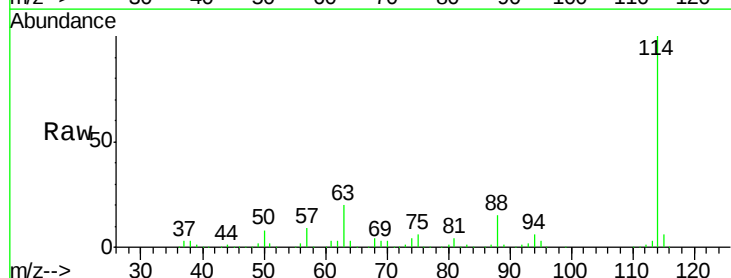
Tgt Ion: 114 Resp: 287590

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

88 15.4 0.0 29.8



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

6.87

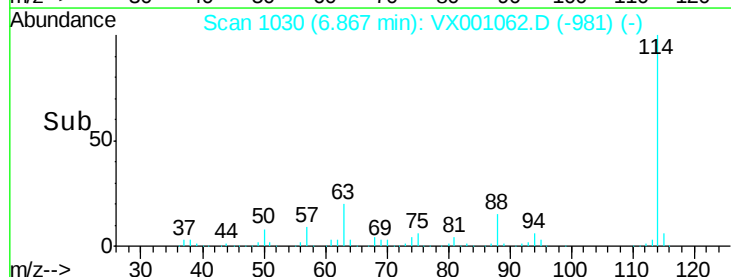
150000

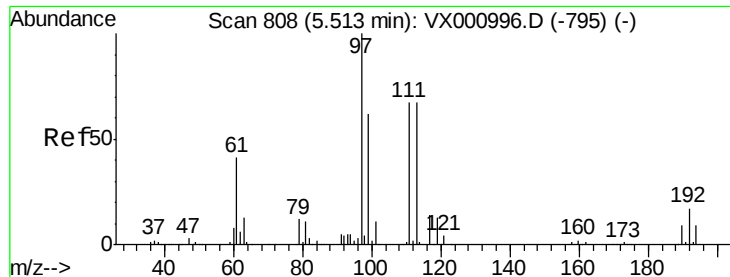
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :
MSVOA_X
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Z1TB08-180416

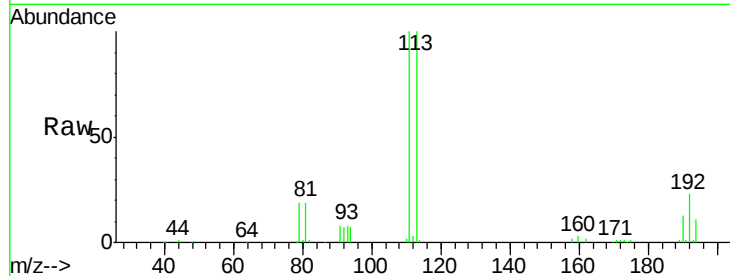
Tgt Ion:113 Resp: 104037

Ion Ratio Lower Upper

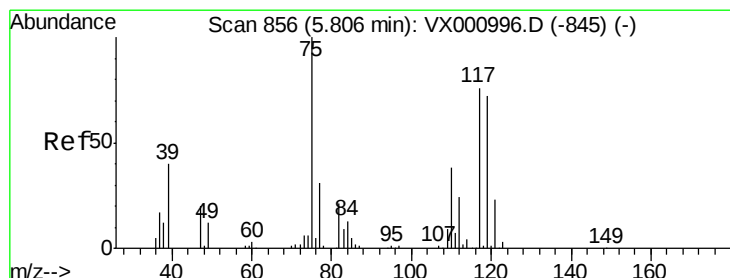
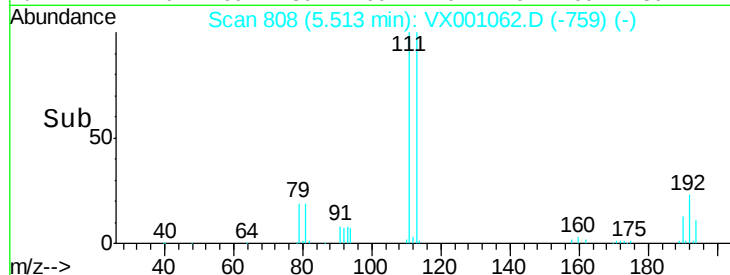
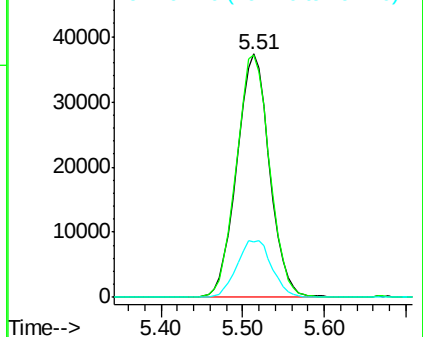
113 100

111 100.7 81.4 122.2

192 24.9 20.4 30.6



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: 3.83 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

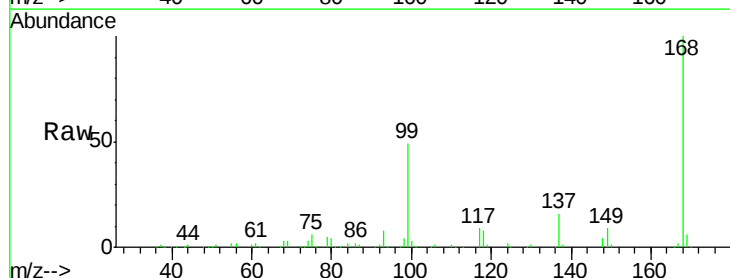
Tgt Ion: 75 Resp: 12937

Ion Ratio Lower Upper

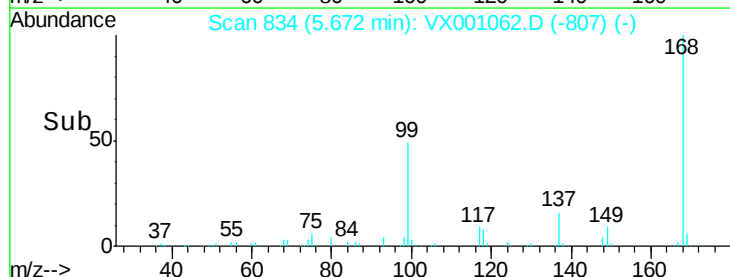
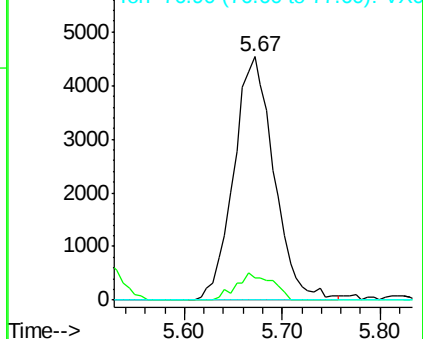
75 100

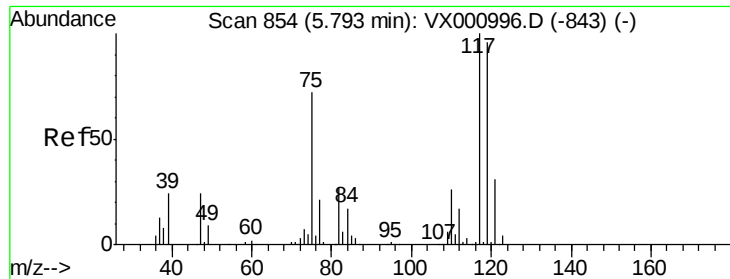
110 9.9 18.7 56.1#

77 0.0 25.0 37.4#



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: 5.37 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

Z1TB08-180416

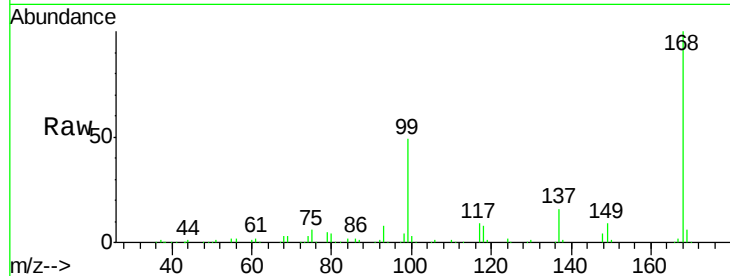
Tgt Ion:117 Resp: 18382

Ion Ratio Lower Upper

117 100

119 7.9 76.5 114.7#

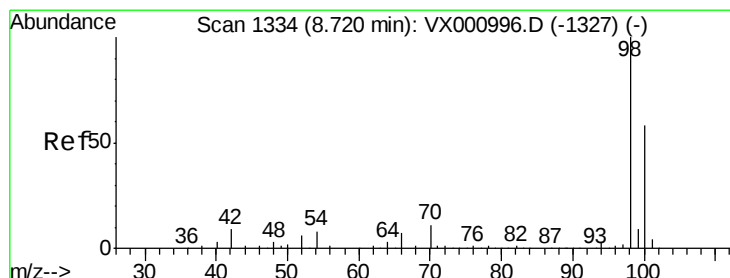
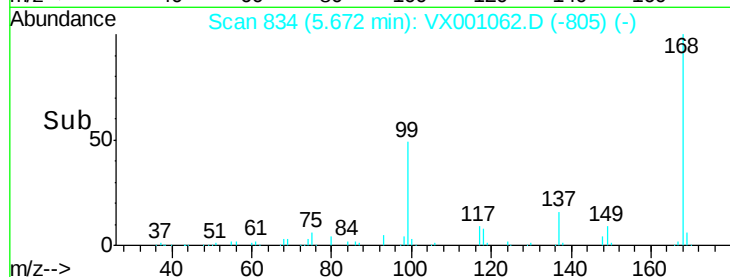
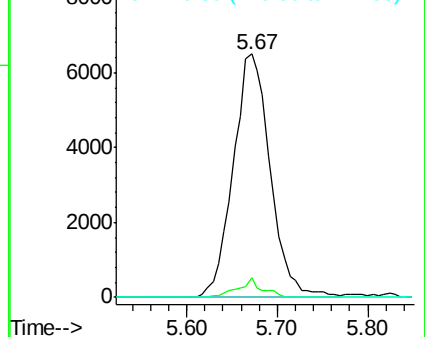
121 0.0 24.5 36.7#



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



#50

Toluene-d8

Concen: 49.39 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001062.D

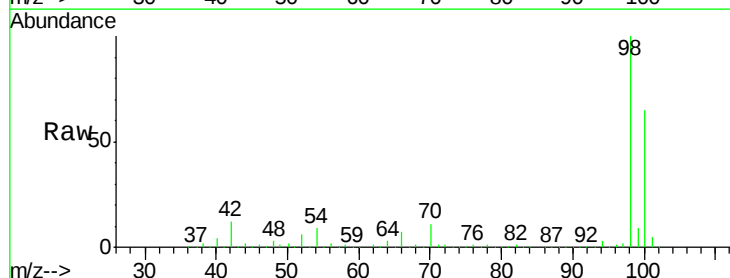
Acq: 23 Apr 2018 16:44

Tgt Ion: 98 Resp: 400527

Ion Ratio Lower Upper

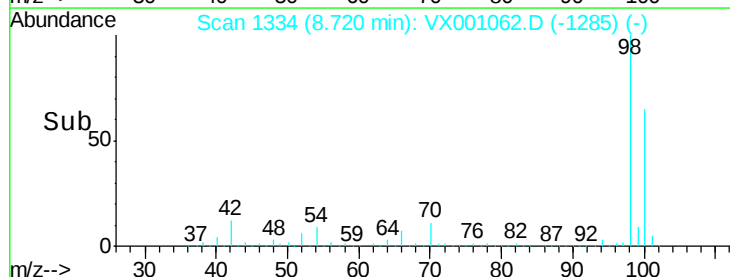
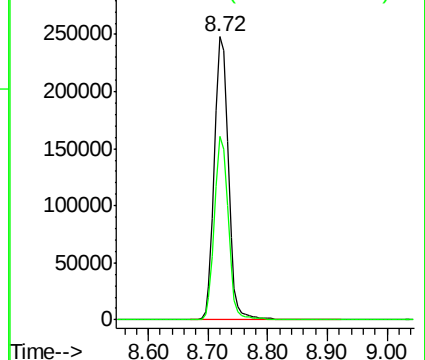
98 100

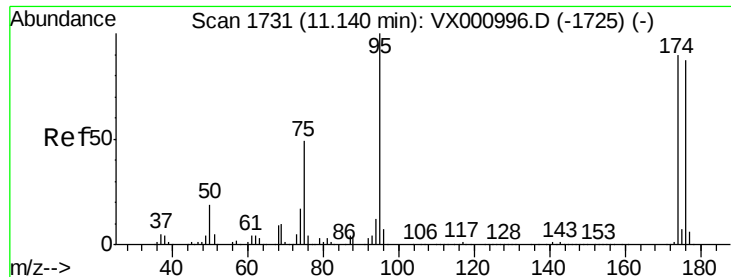
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

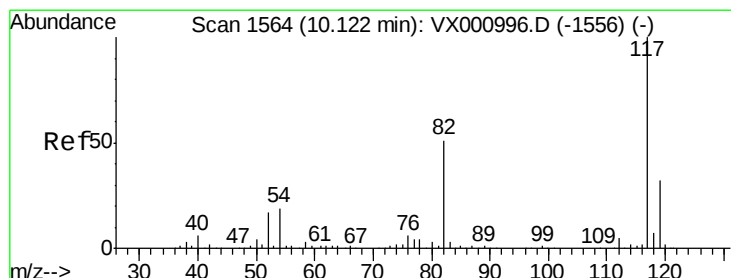
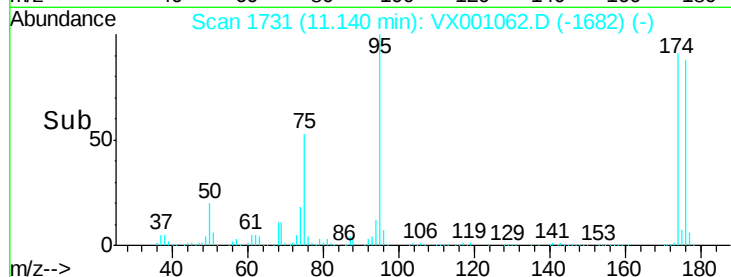
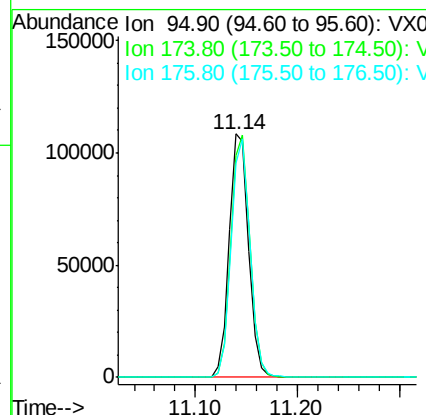
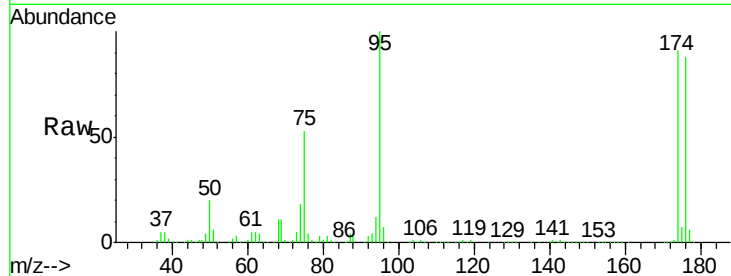




#62
4-Bromofluorobenzene
Concen: 41.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

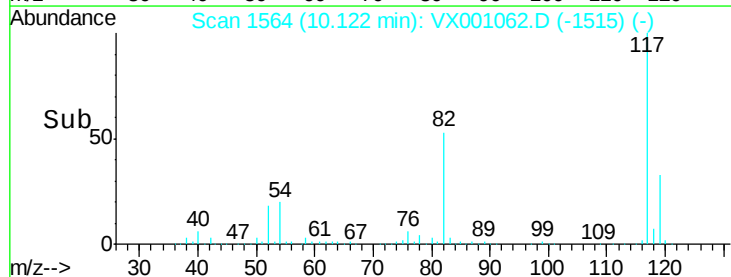
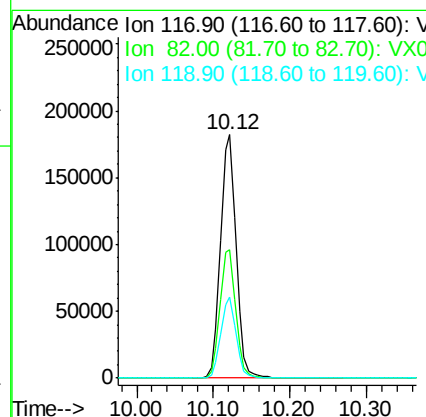
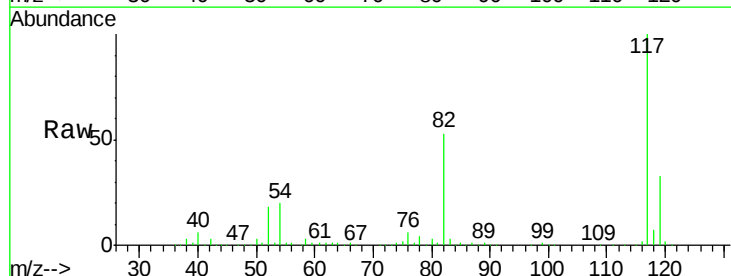
Instrument :
MSVOA_X
ClientSampleId :
Z1TB08-180416

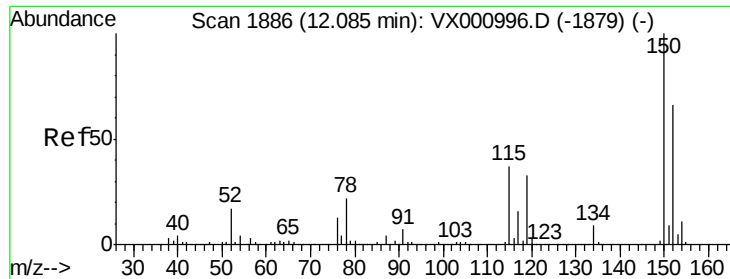
Tgt Ion: 95 Resp: 142482
Ion Ratio Lower Upper
95 100
174 97.0 0.0 198.4
176 95.2 0.0 192.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001062.D
Acq: 23 Apr 2018 16:44

Tgt Ion: 117 Resp: 257580
Ion Ratio Lower Upper
117 100
82 52.8 40.6 60.8
119 33.4 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: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

Z1TB08-180416

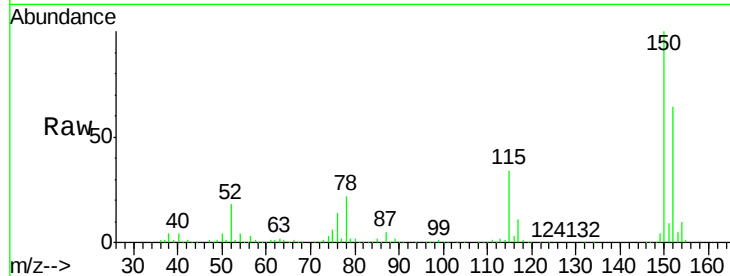
Tgt Ion:152 Resp: 149008

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

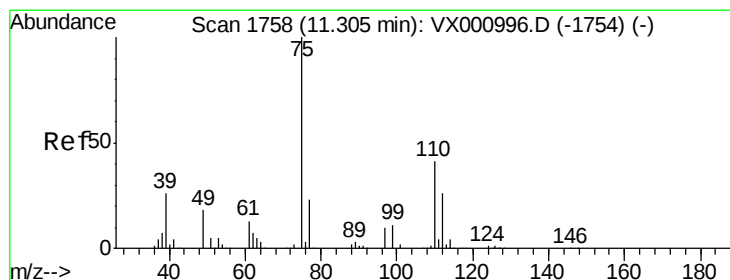
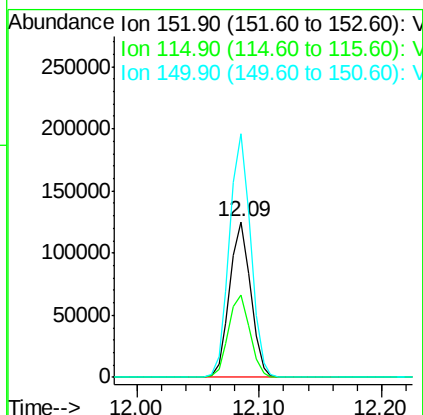
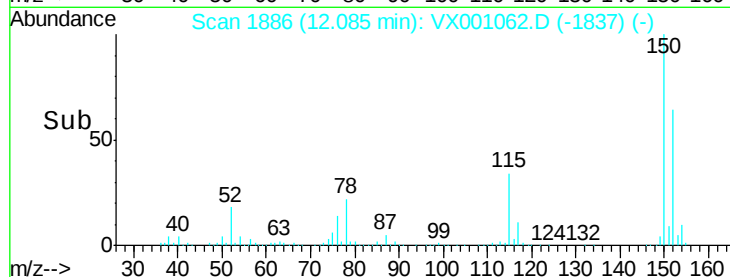
150 157.5 0.0 350.4



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: 28.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001062.D

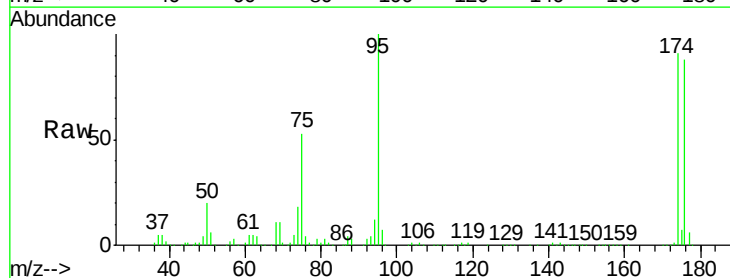
Acq: 23 Apr 2018 16:44

Tgt Ion: 75 Resp: 72860

Ion Ratio Lower Upper

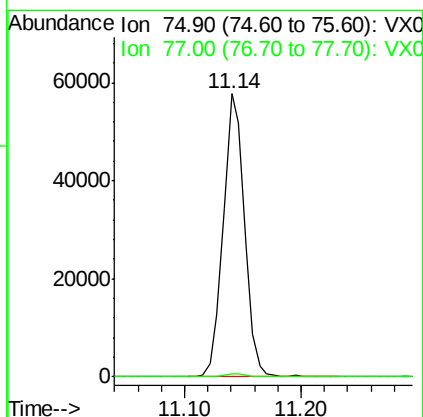
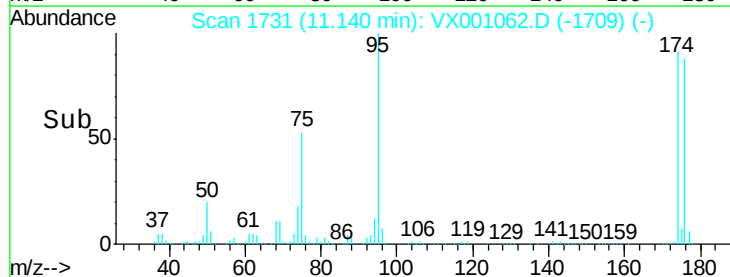
75 100

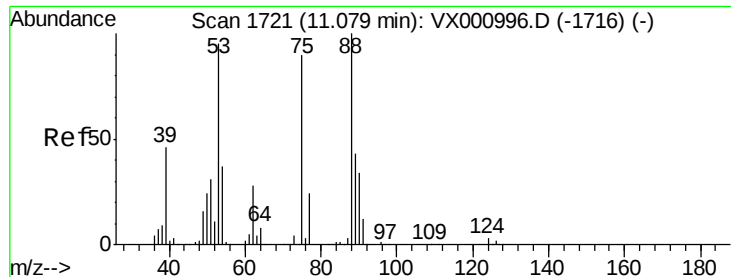
77 1.2 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 84.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001062.D

Acq: 23 Apr 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

Z1TB08-180416

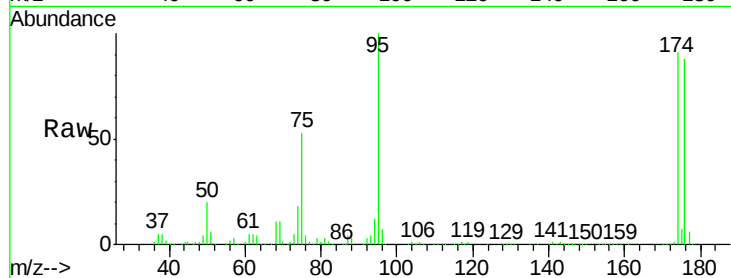
Tgt Ion: 75 Resp: 72860

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 39.7 59.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

