

Data File : VX001157.D
Acq On : 27 Apr 2018 06:40
Operator : JC/MD
Sample : PB108612ZHE#09 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#09

Quant Time: Apr 27 07:27:38 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	205283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	283865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	252550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	141660	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	132495	41.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.28%	
35) Dibromofluoromethane	5.51	113	103492	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
50) Toluene-d8	8.72	98	394307	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	
62) 4-Bromofluorobenzene	11.14	95	133291	38.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.96%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	222	Below Cal		92
10) Methyl Iodide	2.53	142	79	7.27 ug/l	#	41
11) Tert butyl alcohol	3.04	59	515	0.82 ug/l	#	72
13) Acrolein	2.31	56	108	0.46 ug/l	#	14
16) Acetone	2.45	43	3824	2.92 ug/l		97
18) Methyl Acetate	2.79	43	3884	1.19 ug/l		94
20) Methylene Chloride	2.87	84	1166	0.48 ug/l	#	86
25) 2-Butanone	4.72	43	996	0.51 ug/l	#	85
29) Tetrahydrofuran	5.18	42	266	0.21 ug/l	#	70
31) Cyclohexane	5.67	56	3854	1.14 ug/l	#	36
36) 1,1-Dichloropropene	5.67	75	13093	4.19 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	17242	5.38 ug/l	#	16
54) cis-1,3-Dichloropropene	9.06	75	20	3.19 ug/l	#	19
60) Dibromochloromethane	9.34	129	19	3.35 ug/l	#	11
76) 1,2,3-Trichloropropane	11.14	75	70222	24.34 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	70222	74.57 ug/l	#	6

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

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ALS Vial : 30 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#09

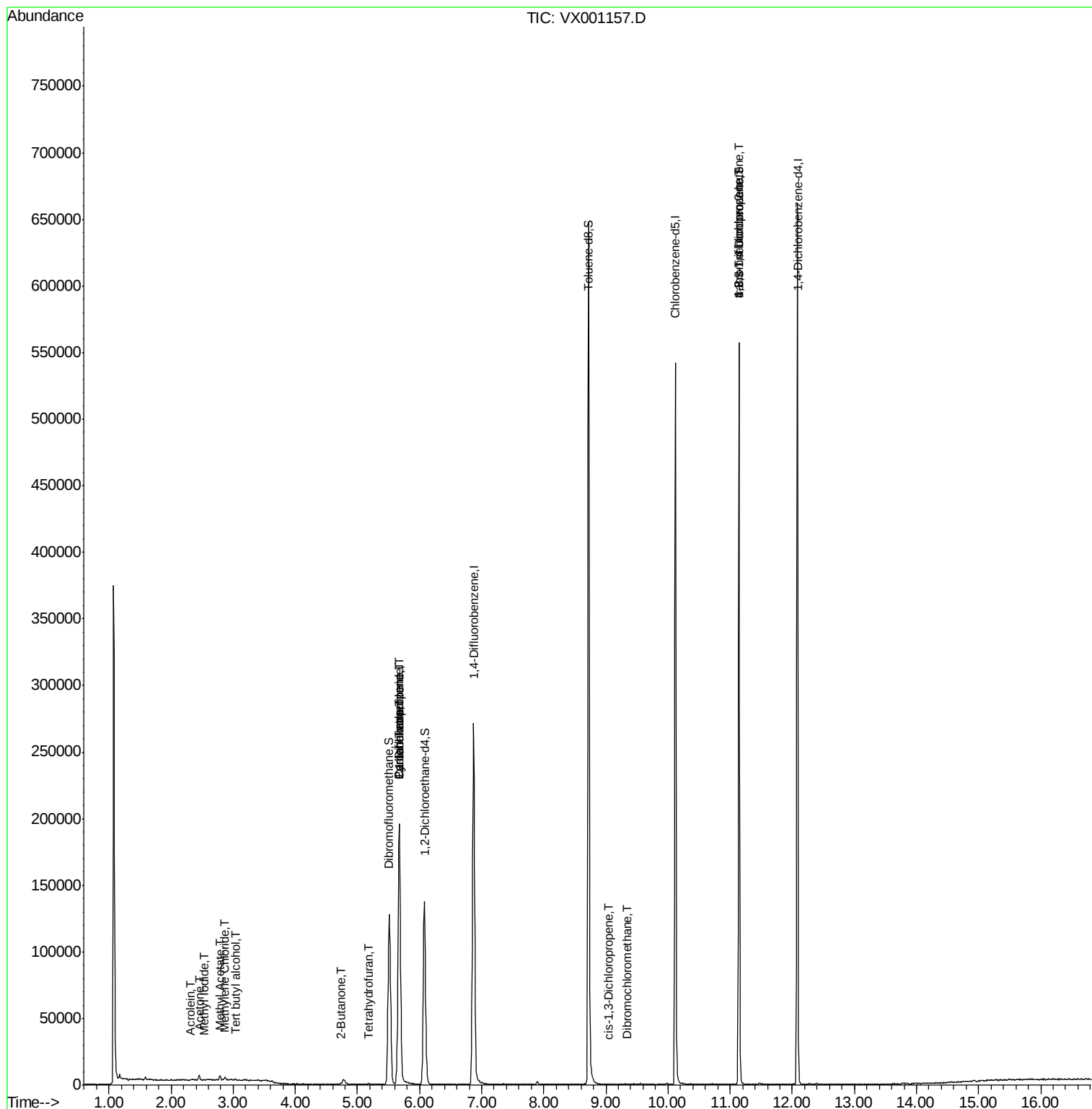
Quant Time: Apr 27 07:27:38 2018

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

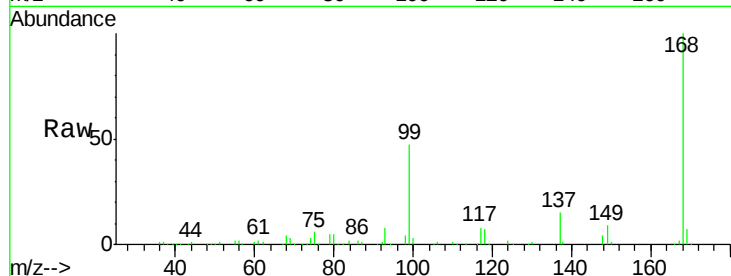
PB108612ZHE#09

Tgt Ion:168 Resp: 205283

Ion Ratio Lower Upper

168 100

99 47.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

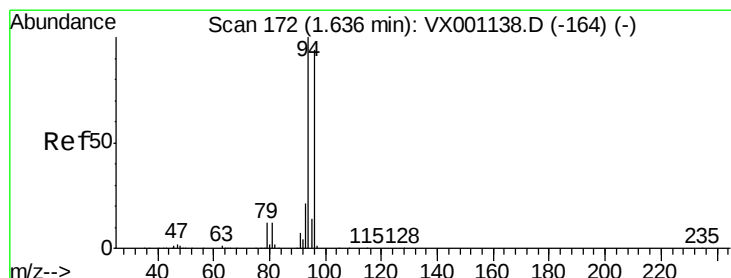
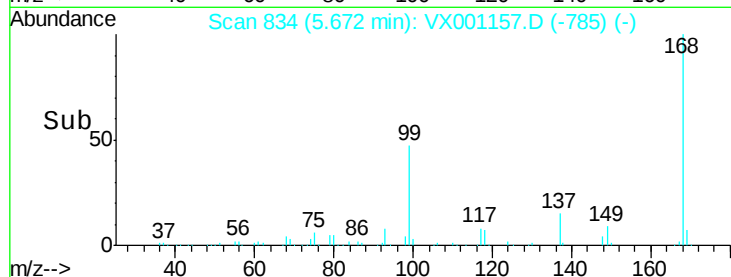
60000

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. 0.03 min

Lab File: VX001157.D

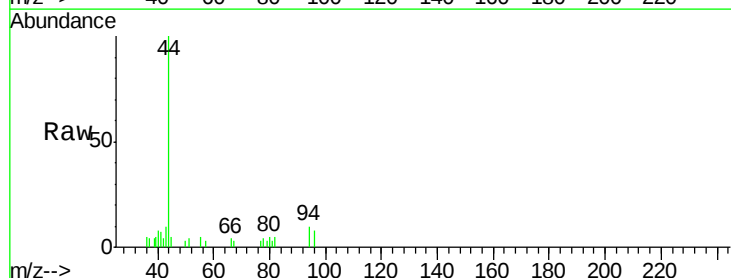
Acq: 27 Apr 2018 06:40

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 86.5 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

200

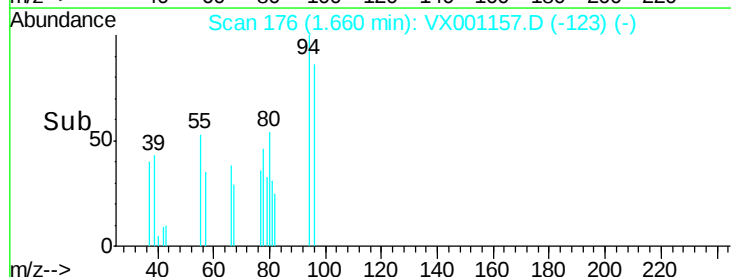
150

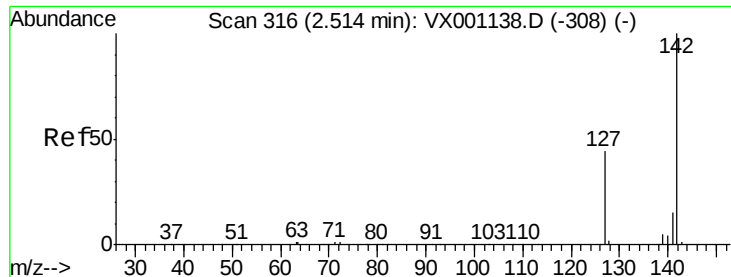
100

50

0

Time--> 1.62 1.64 1.66 1.68 1.70

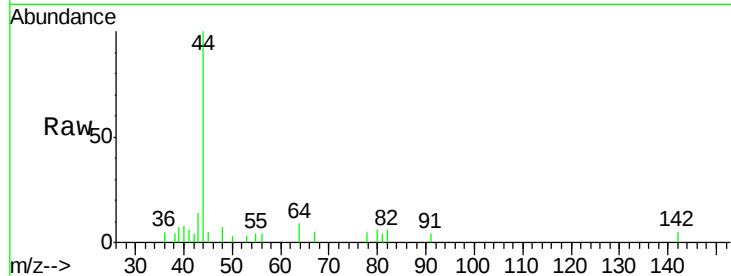




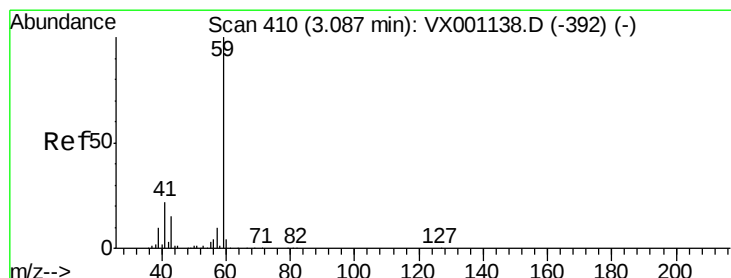
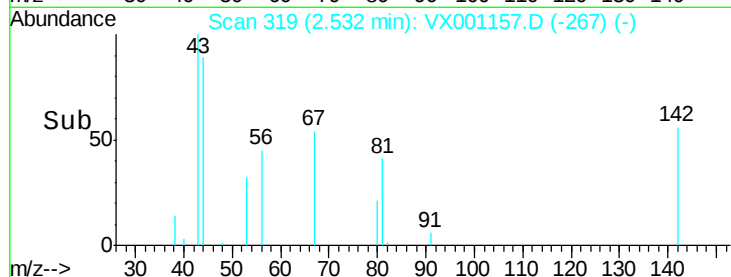
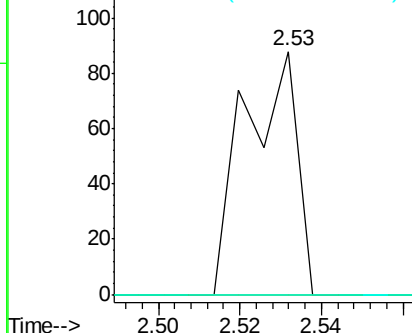
#10
Methyl Iodide
Concen: 7.27 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#09

Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

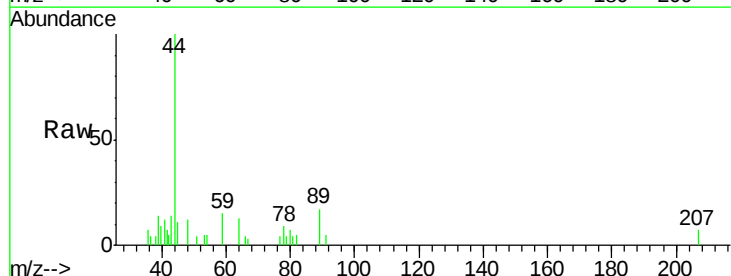


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

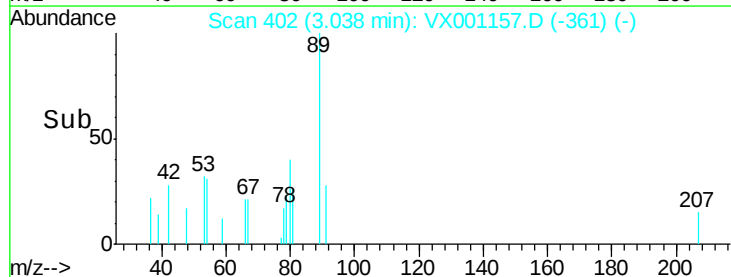
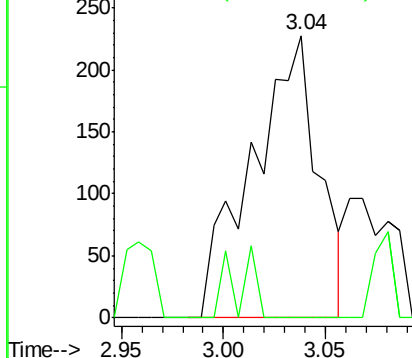


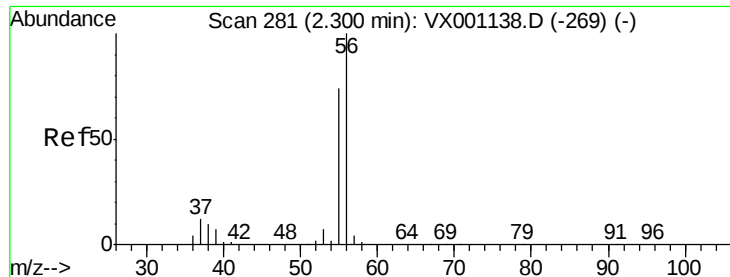
#11
Tert butyl alcohol
Concen: 0.82 ug/l
RT: 3.04 min Scan# 402
Delta R.T. -0.05 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Tgt Ion: 59 Resp: 515
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.46 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

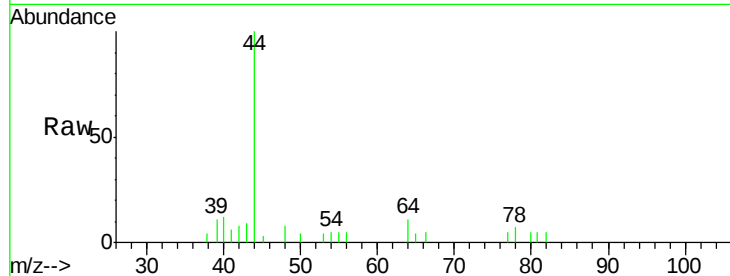
PB108612ZHE#09

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

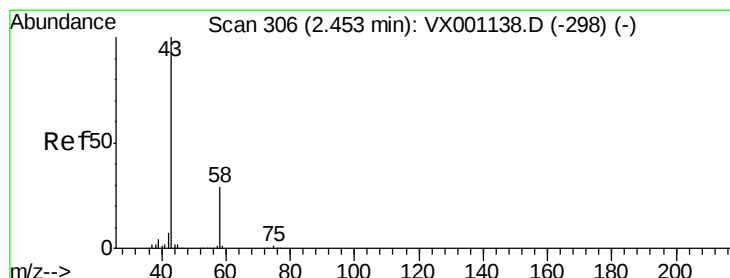
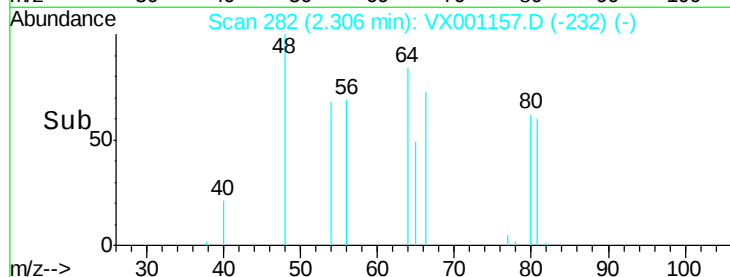
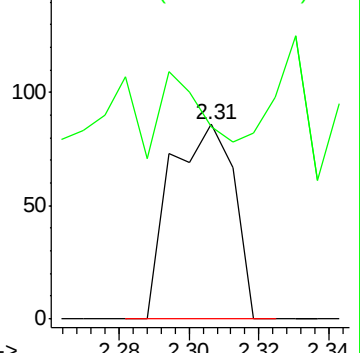
56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.92 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001157.D

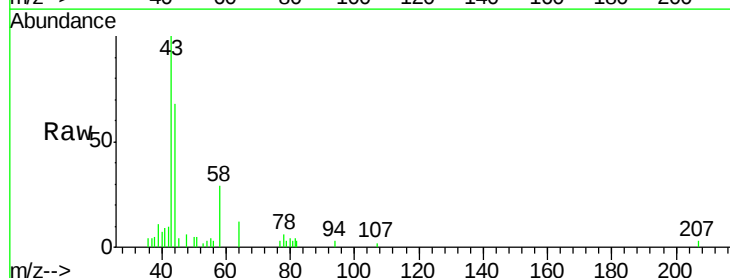
Acq: 27 Apr 2018 06:40

Tgt Ion: 43 Resp: 3824

Ion Ratio Lower Upper

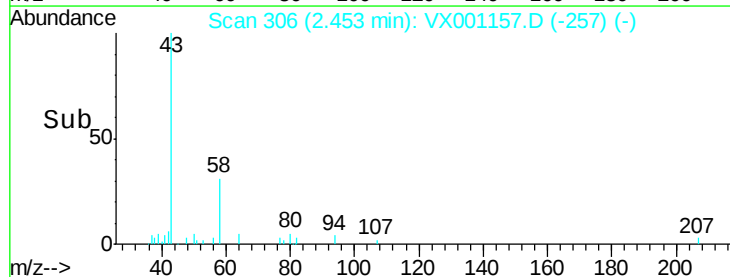
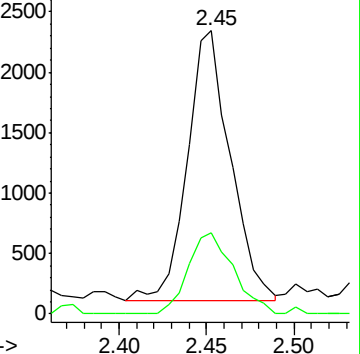
43 100

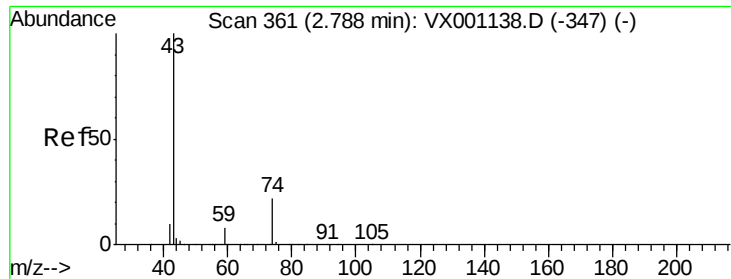
58 30.2 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

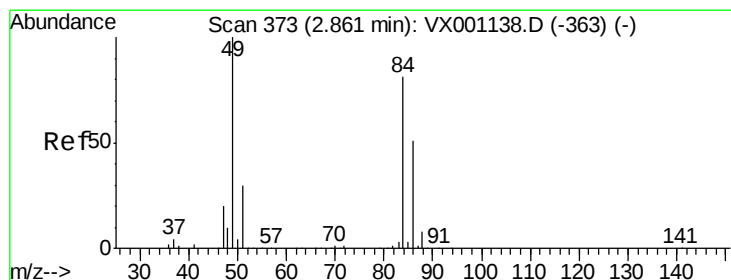
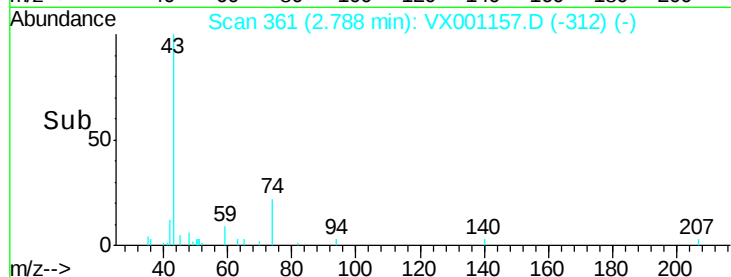
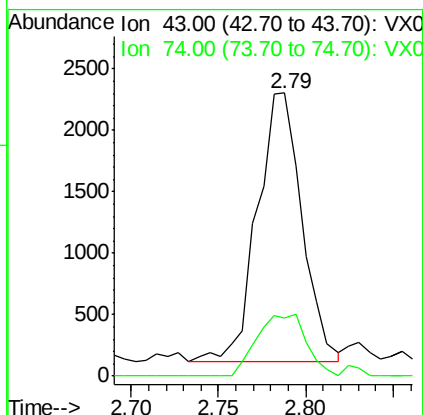
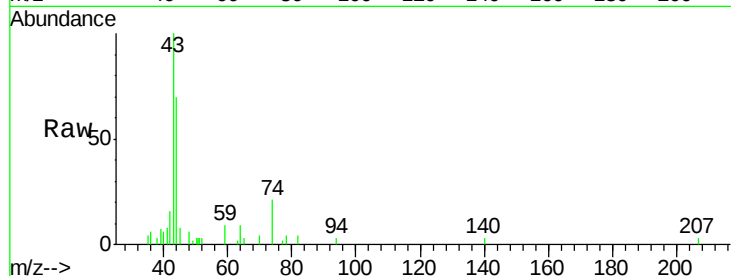




#18
Methyl Acetate
Concen: 1.19 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

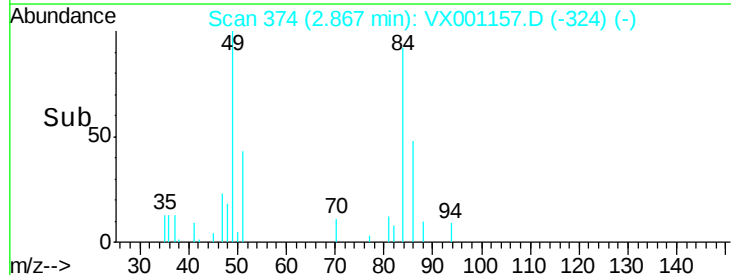
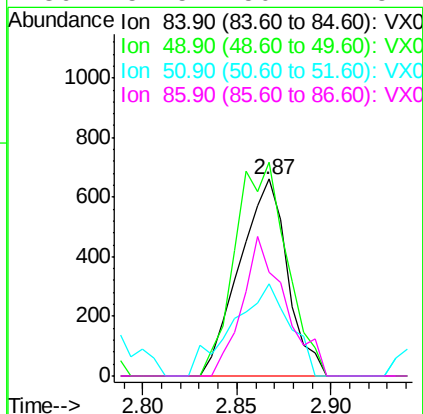
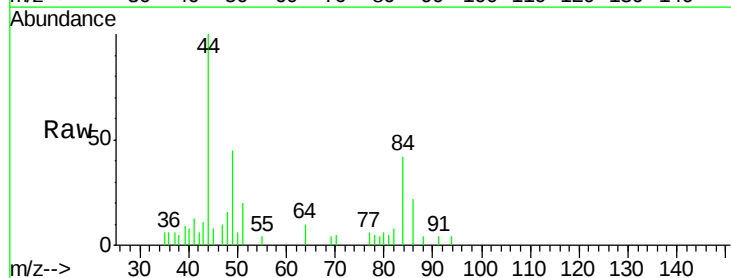
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#09

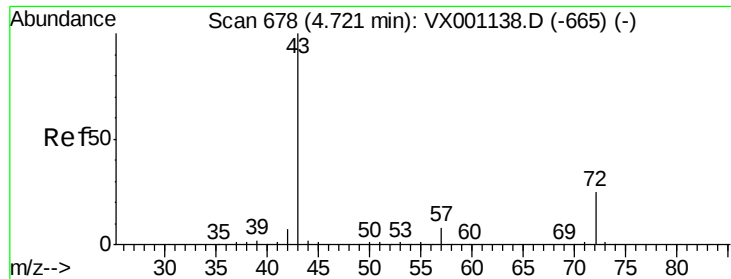
Tgt Ion: 43 Resp: 3884
Ion Ratio Lower Upper
43 100
74 25.5 18.1 27.1



#20
Methylene Chloride
Concen: 0.48 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Tgt Ion: 84 Resp: 1166
Ion Ratio Lower Upper
84 100
49 108.5 99.2 148.8
51 46.6 29.5 44.3#
86 52.5 50.2 75.2





#25

2-Butanone

Concen: 0.51 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

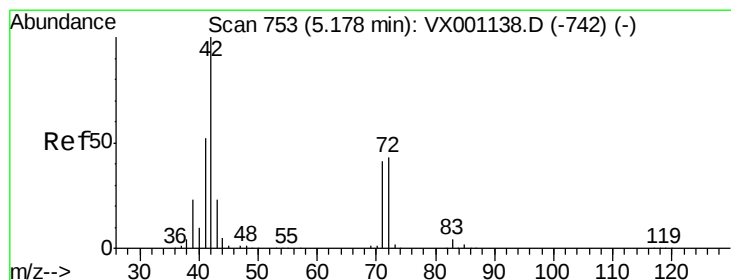
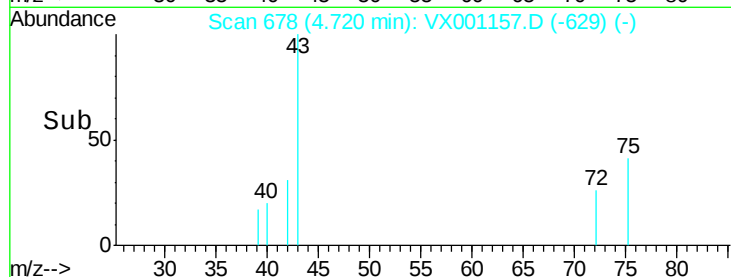
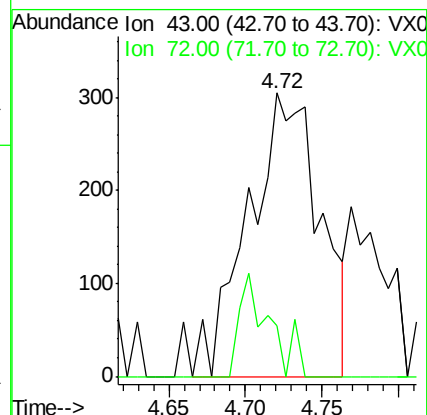
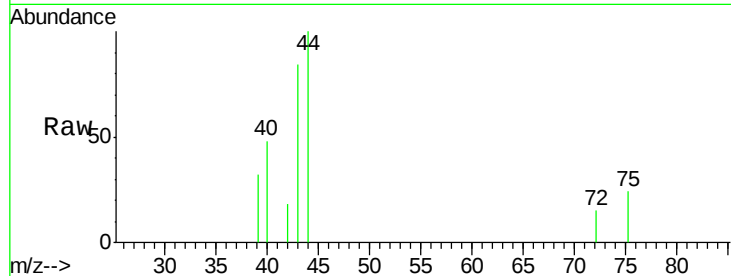
PB108612ZHE#09

Tgt Ion: 43 Resp: 996

Ion Ratio Lower Upper

43 100

72 17.7 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

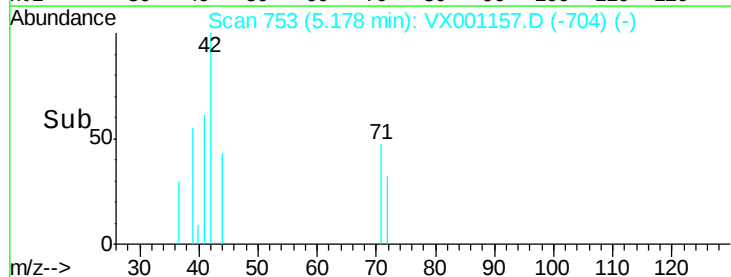
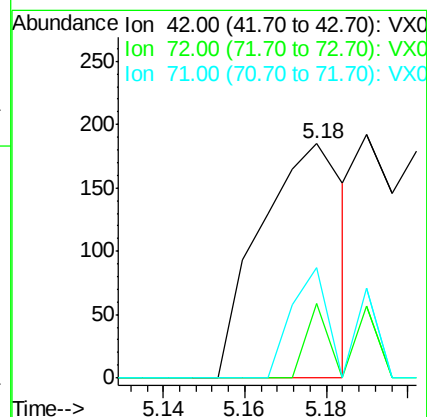
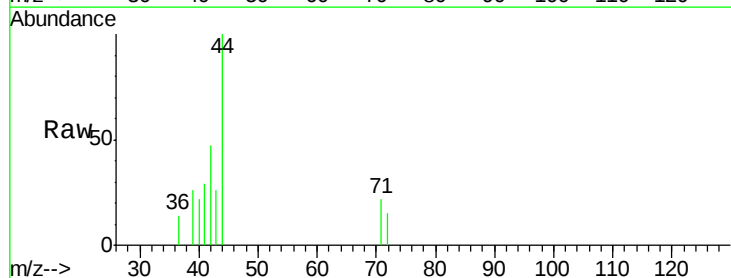
Tgt Ion: 42 Resp: 266

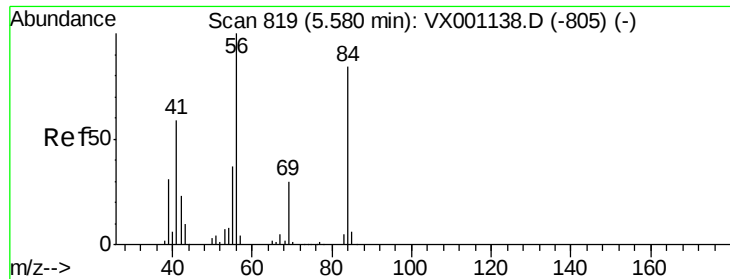
Ion Ratio Lower Upper

42 100

72 15.8 34.4 51.6#

71 29.7 32.1 48.1#





#31

Cyclohexane

Concen: 1.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#09

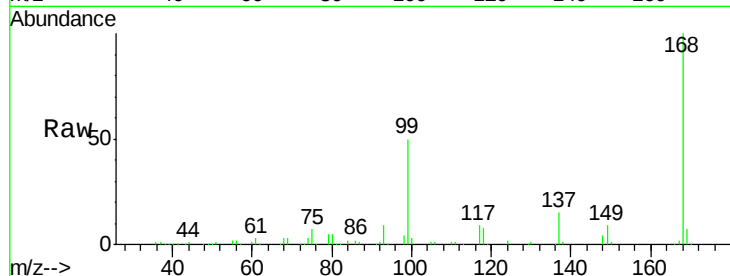
Tgt Ion: 56 Resp: 3854

Ion Ratio Lower Upper

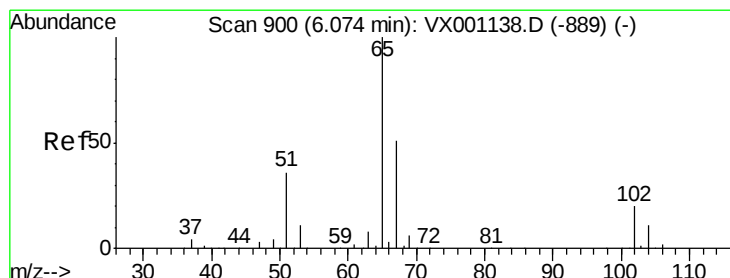
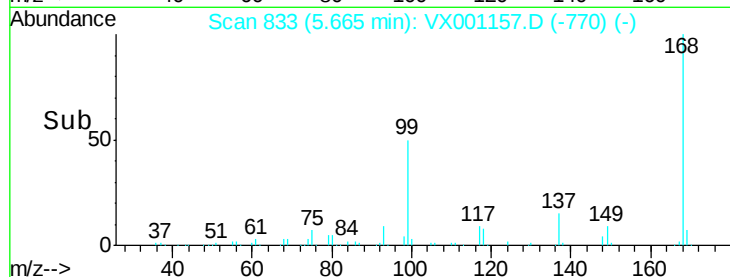
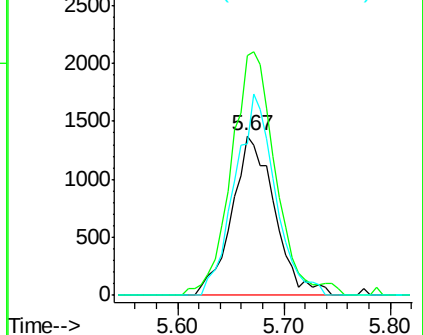
56 100

69 146.2 24.2 36.2#

84 94.5 67.5 101.3



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 41.64 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001157.D

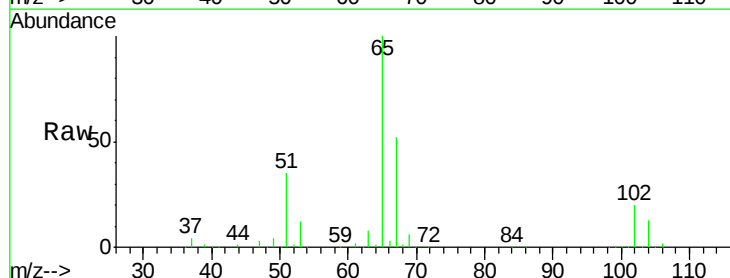
Acq: 27 Apr 2018 06:40

Tgt Ion: 65 Resp: 132495

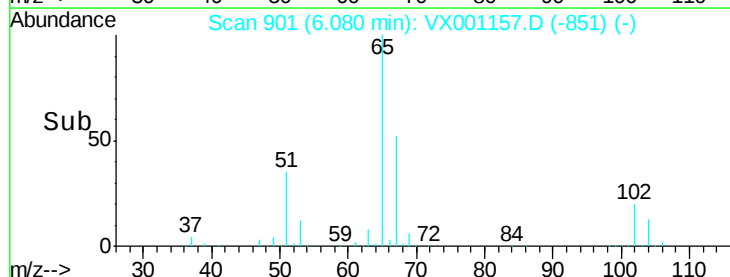
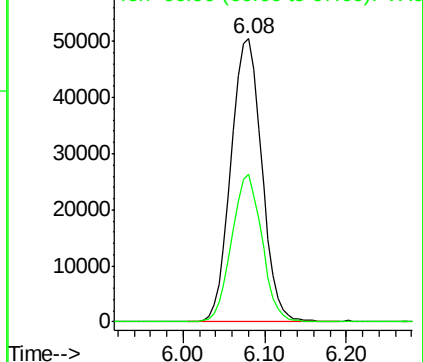
Ion Ratio Lower Upper

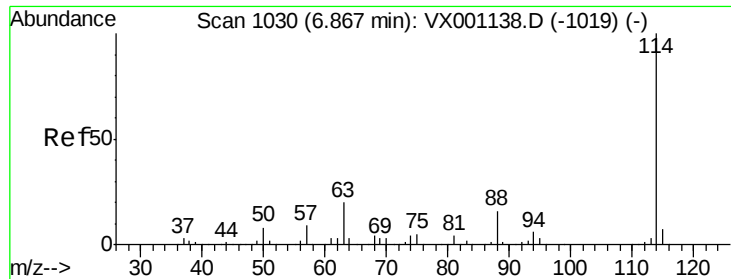
65 100

67 50.9 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

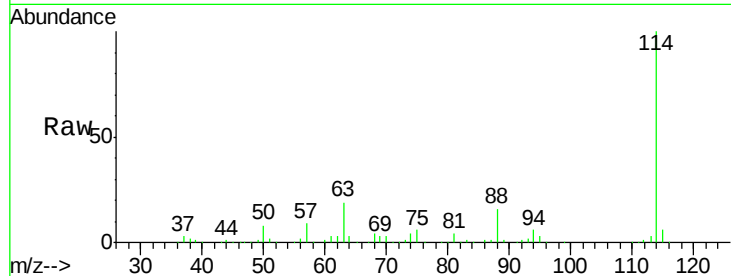




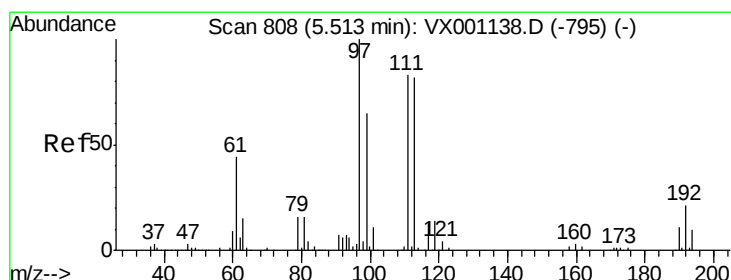
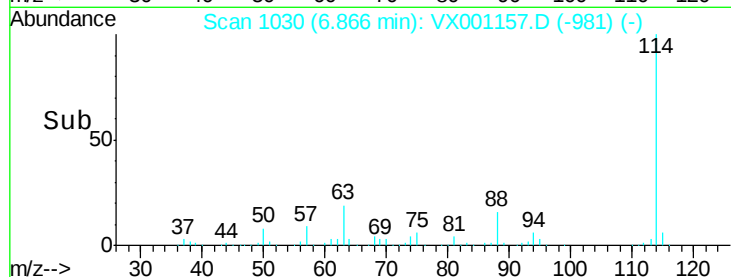
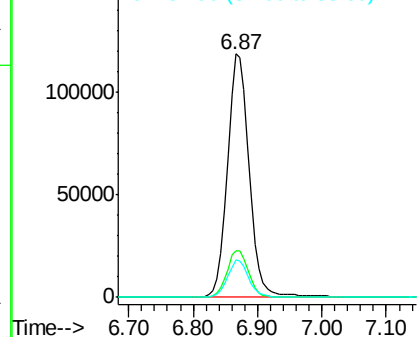
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001157.D
 Acq: 27 Apr 2018 06:40

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#09

Tgt Ion:114 Resp: 283865
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.4
 88 15.6 0.0 31.8

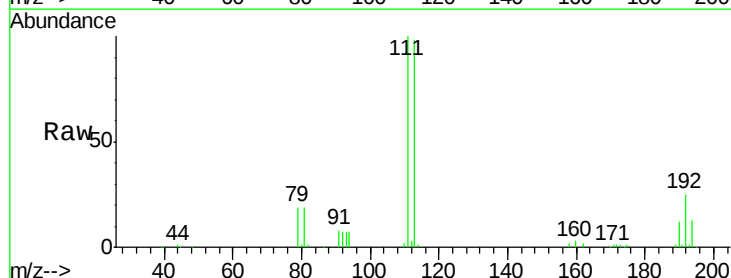


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

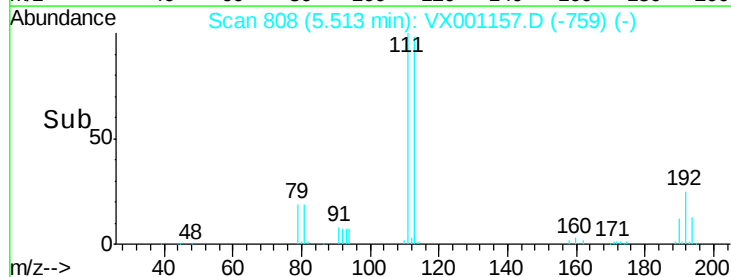
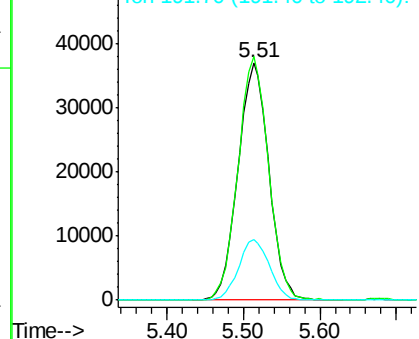


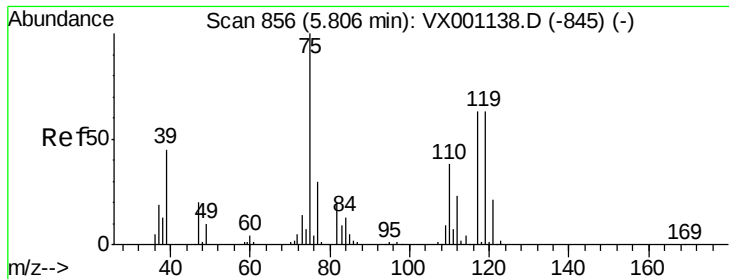
#35
 Dibromofluoromethane
 Concen: 44.05 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001157.D
 Acq: 27 Apr 2018 06:40

Tgt Ion:113 Resp: 103492
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 25.6 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: 4.19 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#09

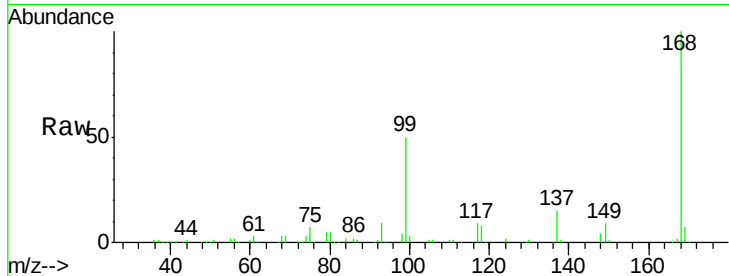
Tgt Ion: 75 Resp: 13093

Ion Ratio Lower Upper

75 100

110 9.7 19.0 57.0#

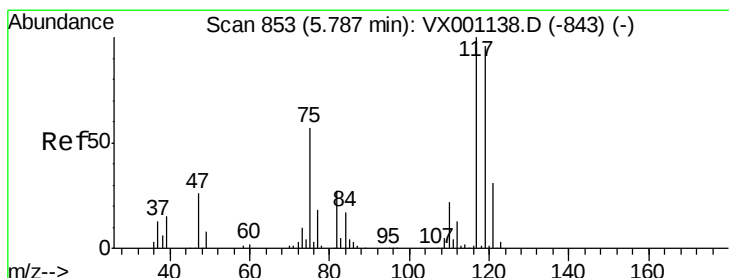
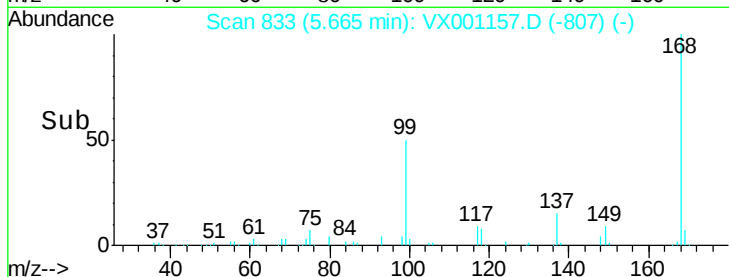
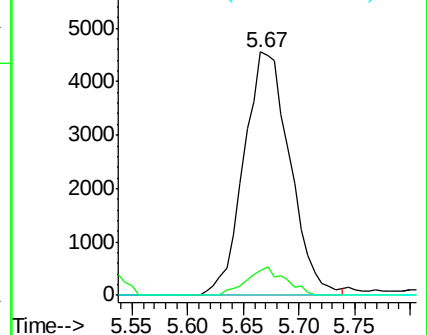
77 0.0 24.8 37.2#



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: 5.38 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

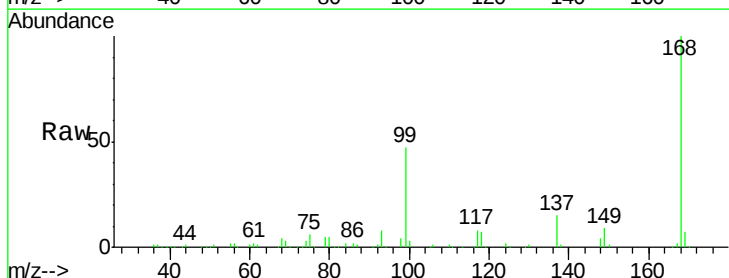
Tgt Ion: 117 Resp: 17242

Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

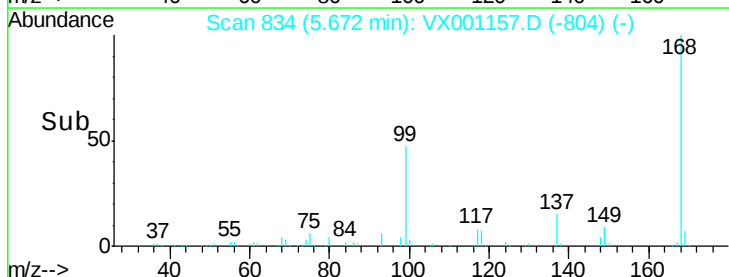
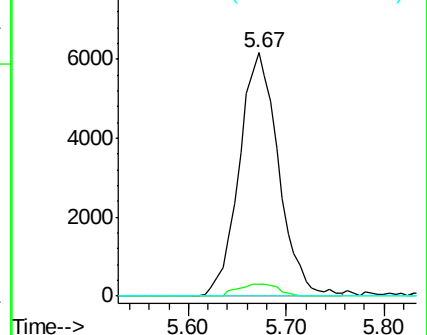
121 0.0 24.6 37.0#

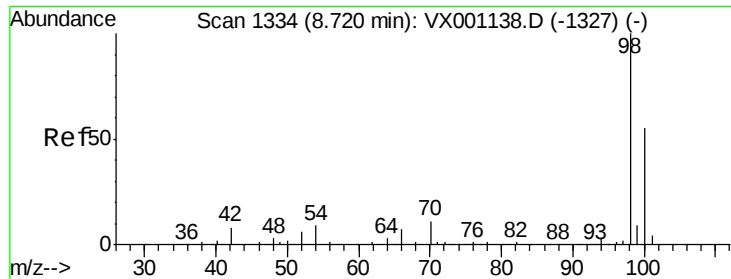


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

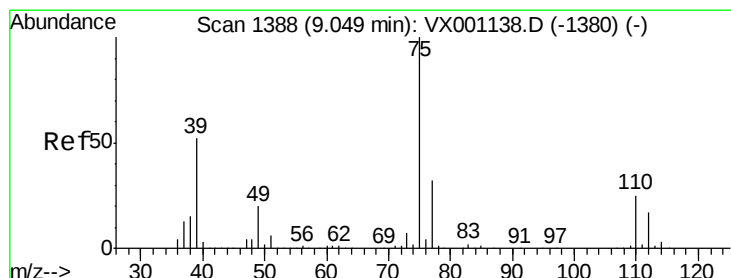
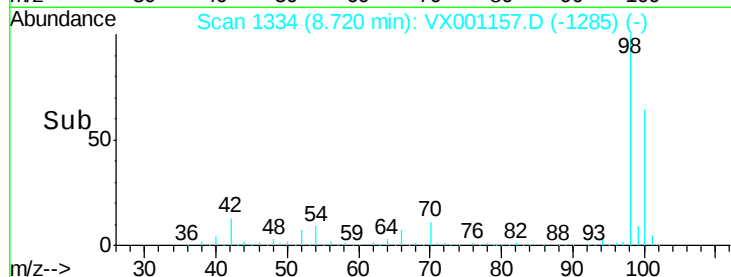
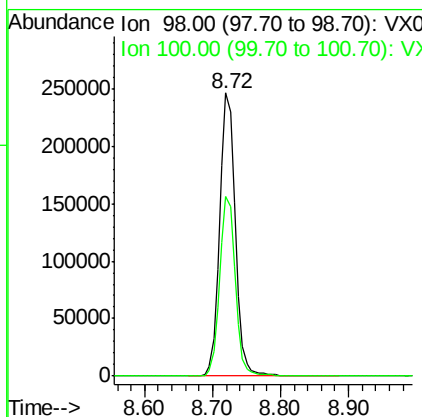
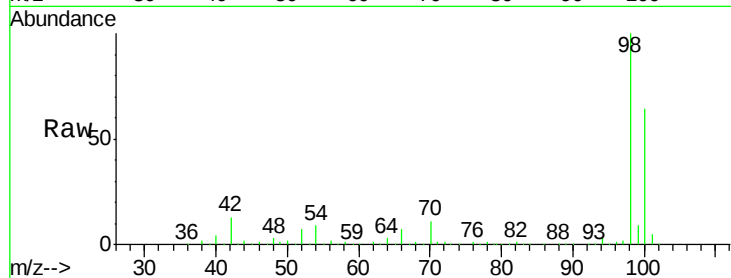




#50
Toluene-d8
Concen: 44.47 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

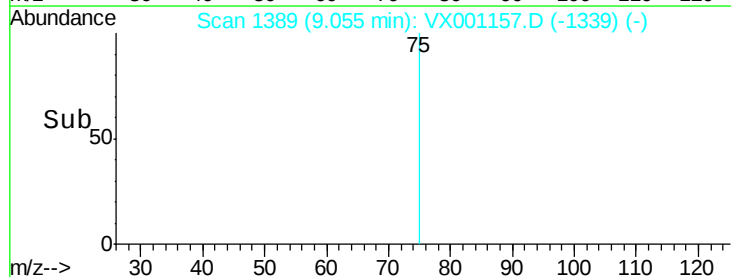
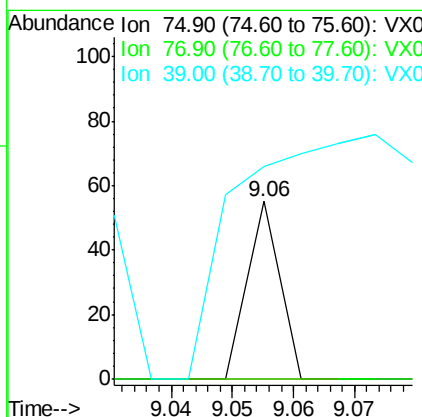
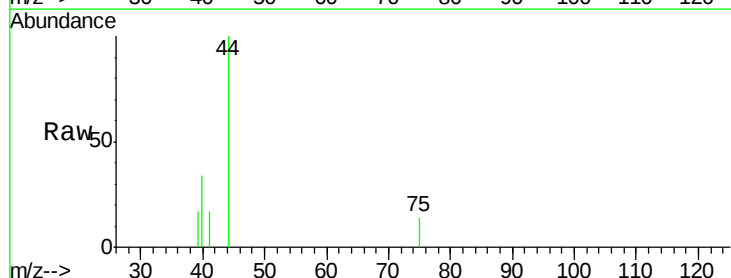
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#09

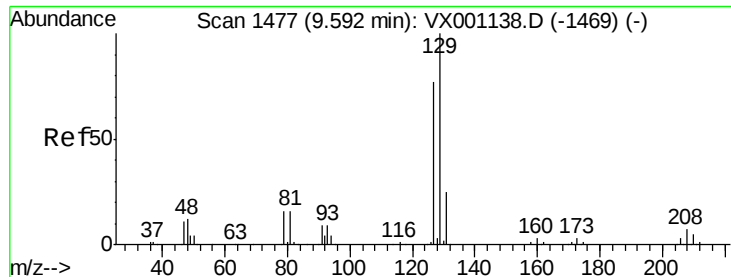
Tgt Ion: 98 Resp: 394307
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.6



#54
cis-1,3-Dichloropropene
Concen: 3.19 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 120.0 42.0 63.0#





#60

Dibromochloromethane

Concen: 3.35 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

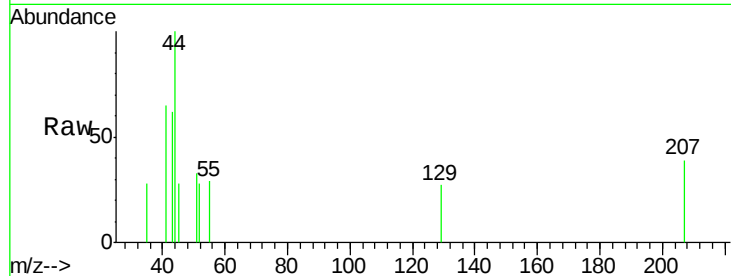
PB108612ZHE#09

Tgt Ion:129 Resp: 19

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

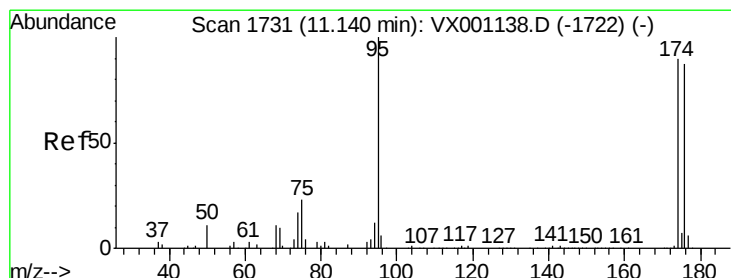
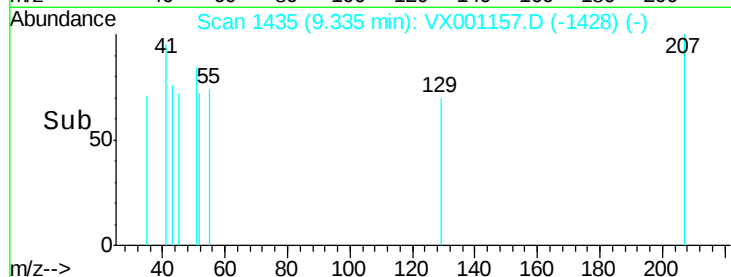


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

Time-->



#62

4-Bromofluorobenzene

Concen: 38.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

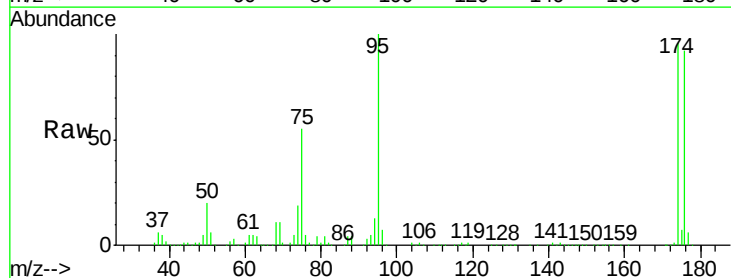
Tgt Ion: 95 Resp: 133291

Ion Ratio Lower Upper

95 100

174 101.6 0.0 194.4

176 98.5 0.0 190.2



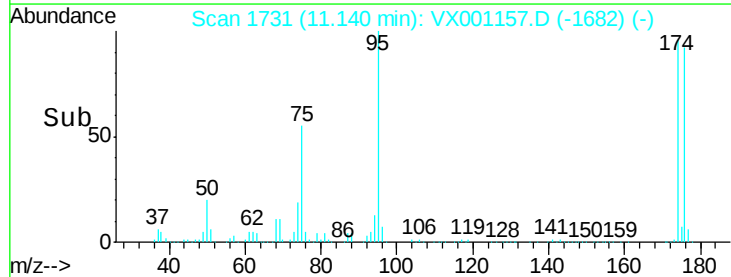
Abundance Ion 94.90 (94.60 to 95.60): VX0

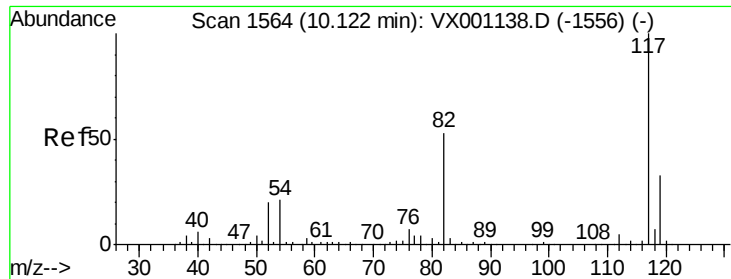
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

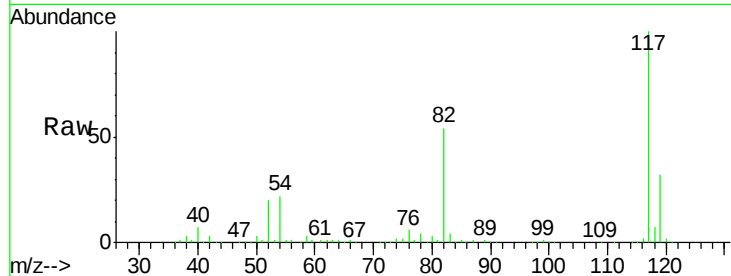




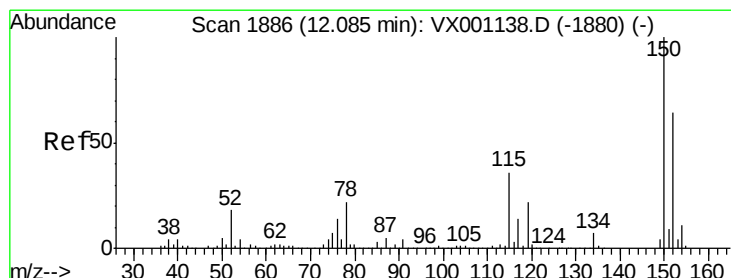
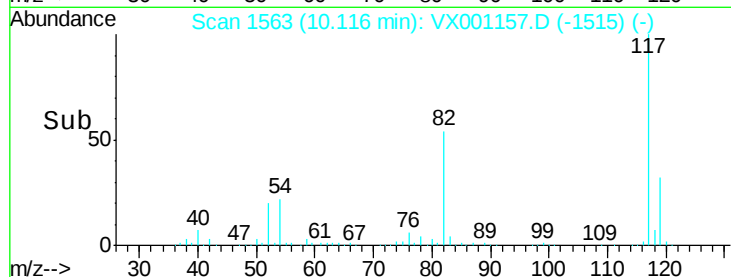
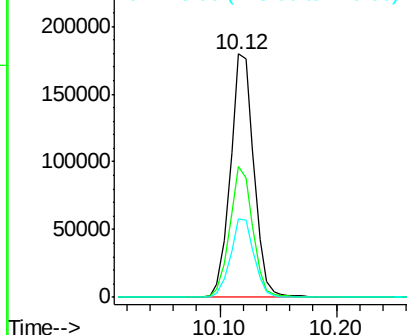
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#09

Tgt Ion:117 Resp: 252550
Ion Ratio Lower Upper
117 100
82 53.7 42.1 63.1
119 32.1 26.1 39.1

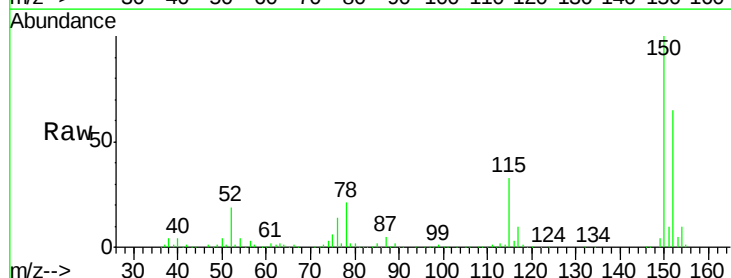


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

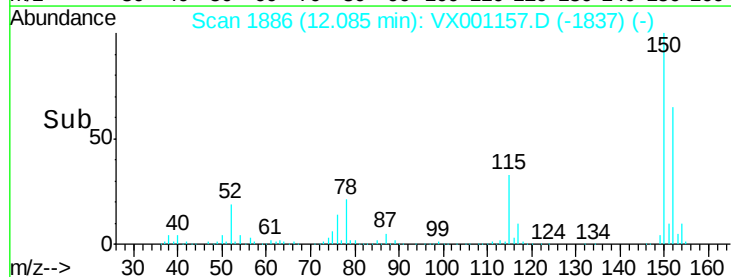
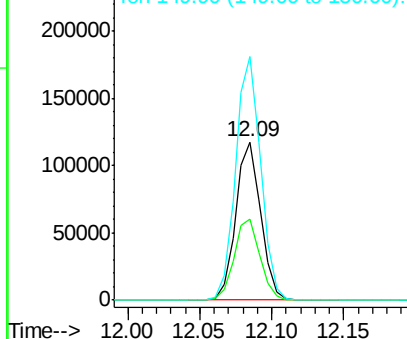


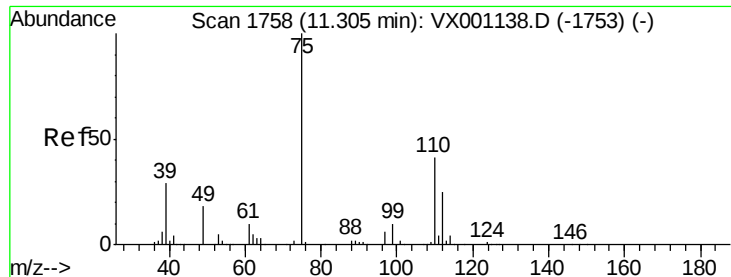
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001157.D
Acq: 27 Apr 2018 06:40

Tgt Ion:152 Resp: 141660
Ion Ratio Lower Upper
152 100
115 53.1 38.0 114.0
150 155.5 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: 24.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

Instrument :

MSVOA_X

ClientSampleId :

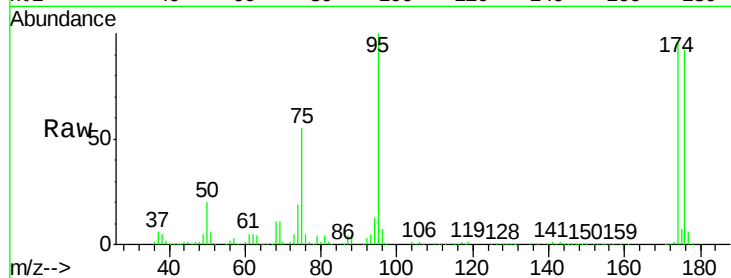
PB108612ZHE#09

Tgt Ion: 75 Resp: 70222

Ion Ratio Lower Upper

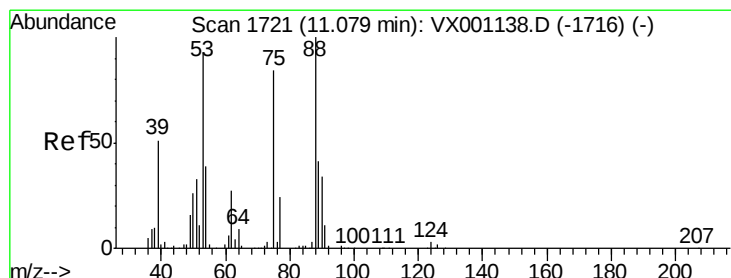
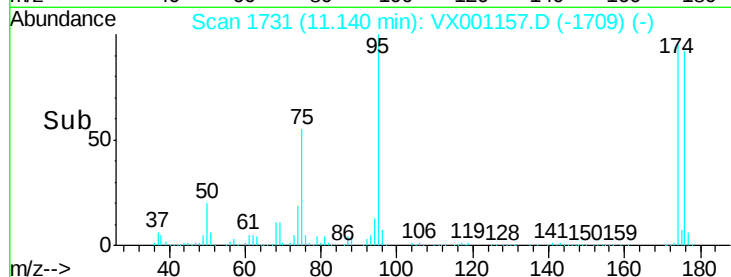
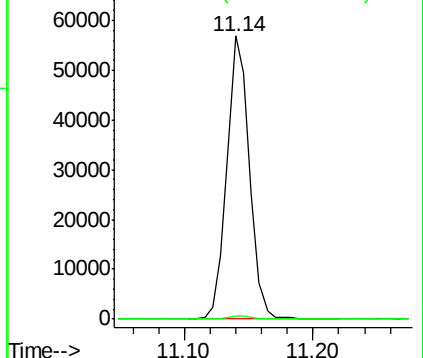
75 100

77 1.3 18.9 56.9#



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: 74.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001157.D

Acq: 27 Apr 2018 06:40

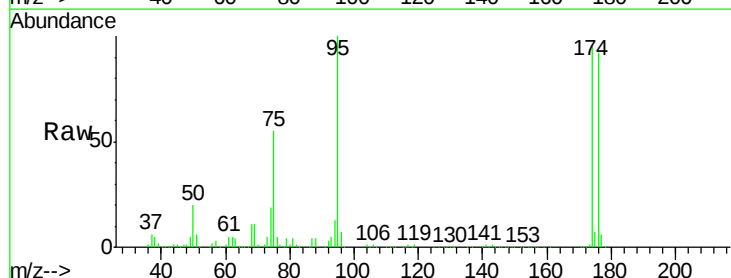
Tgt Ion: 75 Resp: 70222

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.1 37.7 56.5#



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

