

Data File : VX001150.D
Acq On : 27 Apr 2018 03:40
Operator : JC/MD
Sample : PB108612ZHE#02 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#02

Quant Time: Apr 27 07:23:25 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	5.68	168	226126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173338	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	146908	41.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.82%	
35) Dibromofluoromethane	5.51	113	114305	43.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.94%	
50) Toluene-d8	8.72	98	445640	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
62) 4-Bromofluorobenzene	11.14	95	158141	41.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.52%	

Target Compounds			Qvalue			
5) Bromomethane	1.65	94	449	Below Cal	#	51
10) Methyl Iodide	2.52	142	298	7.34	ug/l #	41
11) Tert butyl alcohol	3.07	59	154	0.22	ug/l #	9
13) Acrolein	2.31	56	151	0.58	ug/l #	1
16) Acetone	2.45	43	3633	2.52	ug/l	94
18) Methyl Acetate	2.79	43	3895	1.08	ug/l	99
20) Methylene Chloride	2.87	84	1367	0.51	ug/l	89
25) 2-Butanone	4.73	43	702	0.33	ug/l #	56
31) Cyclohexane	5.68	56	4433	1.19	ug/l #	1
36) 1,1-Dichloropropene	5.68	75	14129	4.08	ug/l #	50
38) Carbon Tetrachloride	5.68	117	19285	5.43	ug/l #	15
49) 1,4-Dioxane	8.01	88	21	0.30	ug/l #	24
54) cis-1,3-Dichloropropene	9.05	75	31	3.19	ug/l #	51
60) Dibromochloromethane	9.34	129	165	3.39	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	83528	23.66	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	83528	72.64	ug/l #	6

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 23 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#02

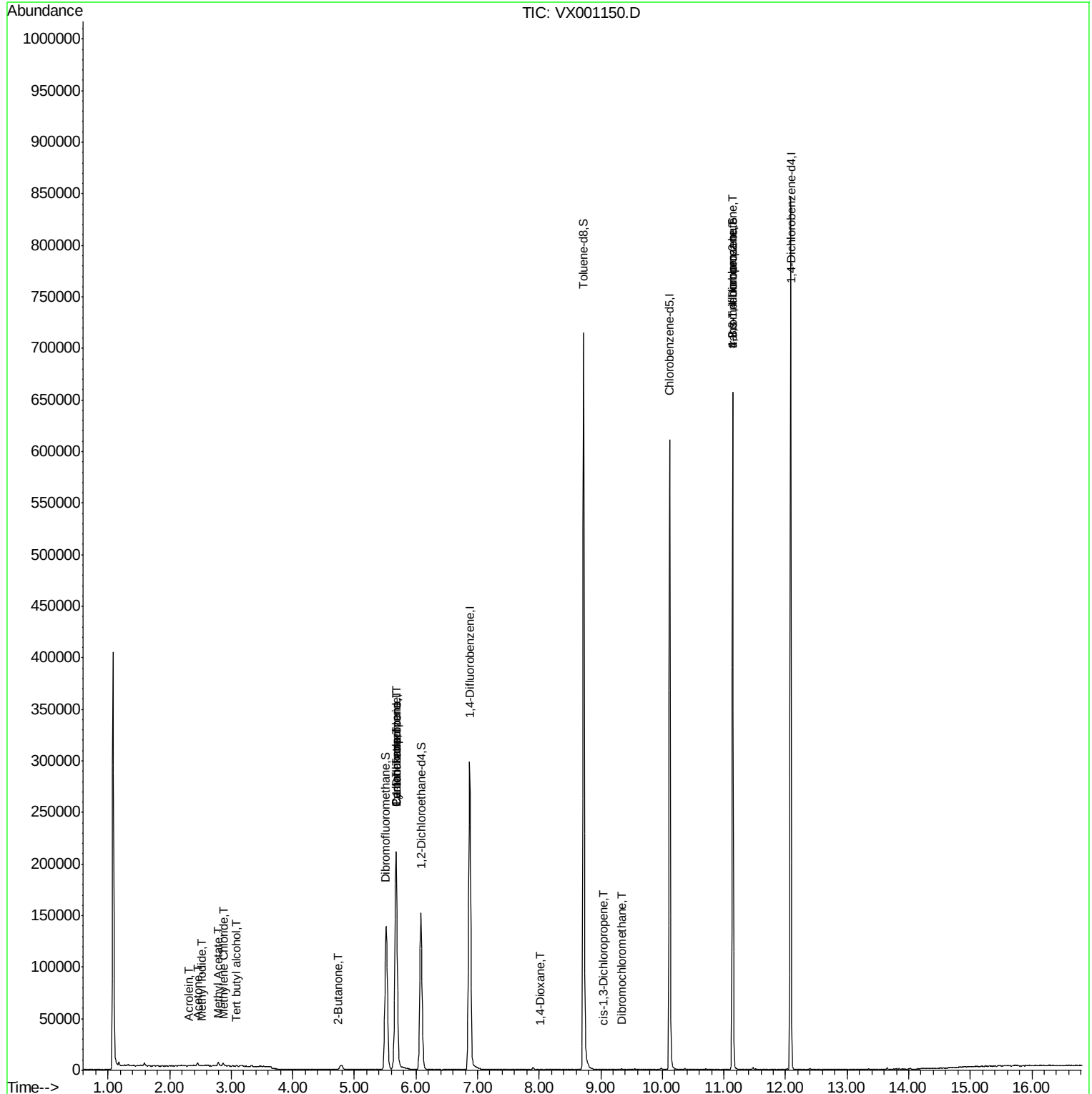
Quant Time: Apr 27 07:23:25 2018

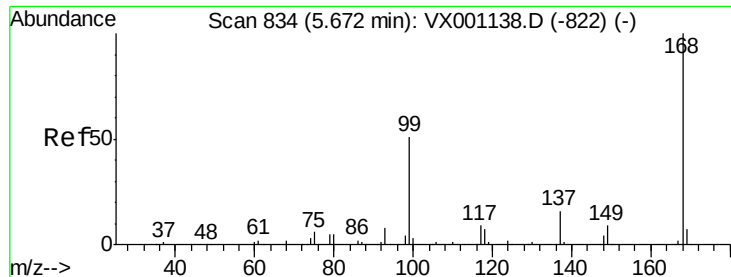
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

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: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

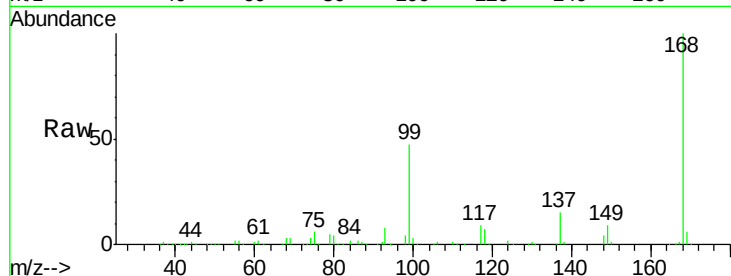
PB108612ZHE#02

Tgt Ion:168 Resp: 226126

Ion Ratio Lower Upper

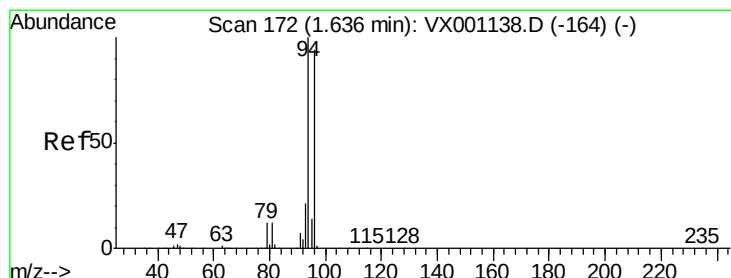
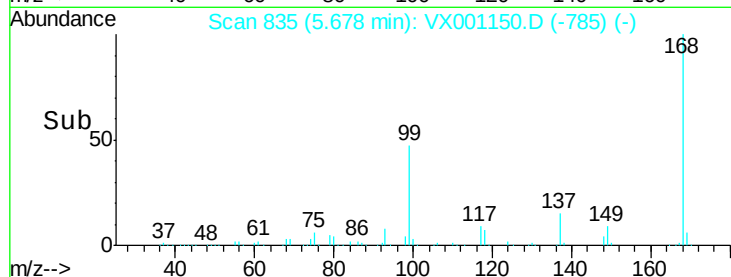
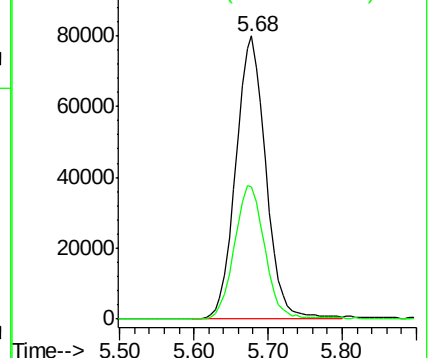
168 100

99 46.6 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: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001150.D

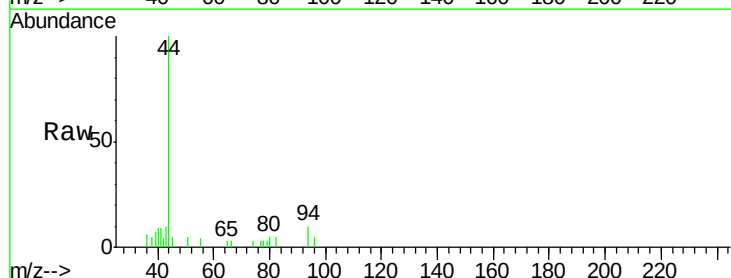
Acq: 27 Apr 2018 03:40

Tgt Ion: 94 Resp: 449

Ion Ratio Lower Upper

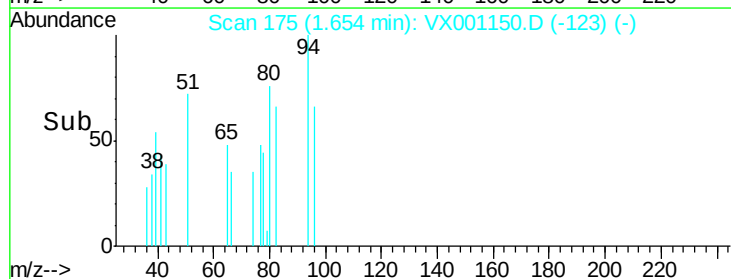
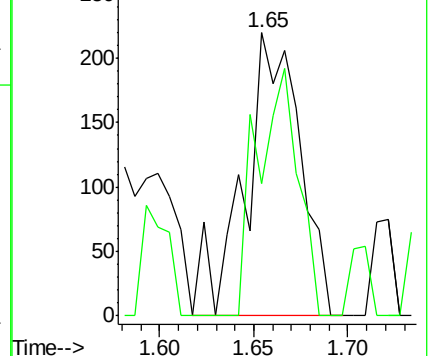
94 100

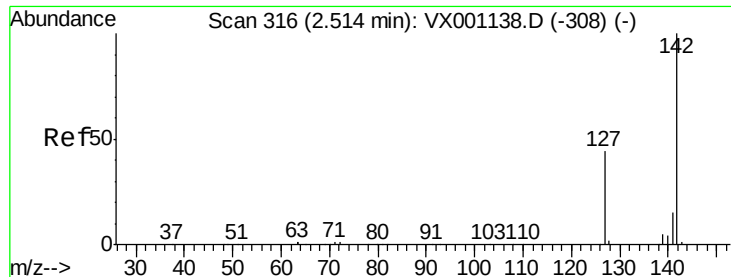
96 46.8 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

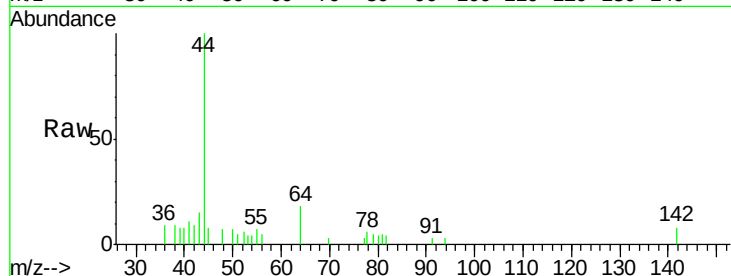




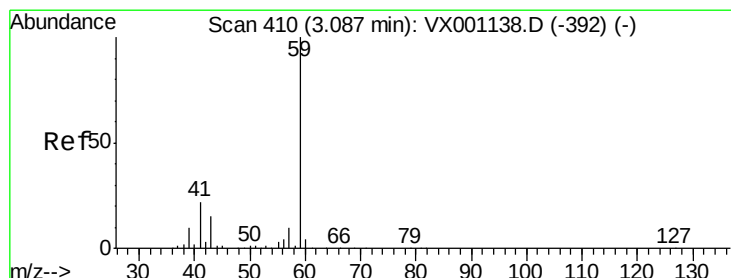
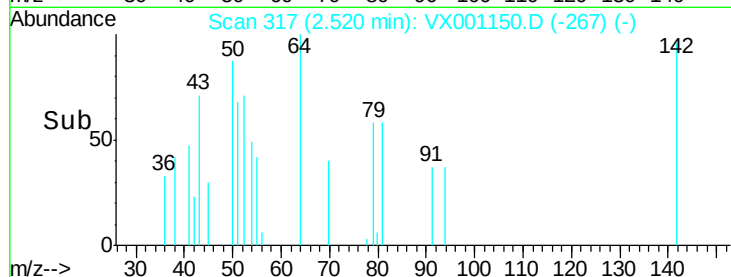
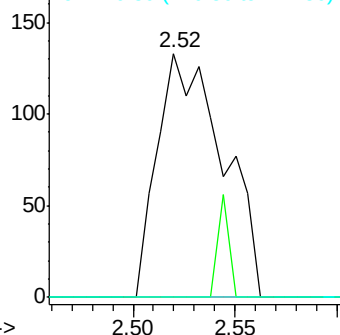
#10
Methyl Iodide
Concen: 7.34 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#02

Tgt Ion: 142 Resp: 298
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

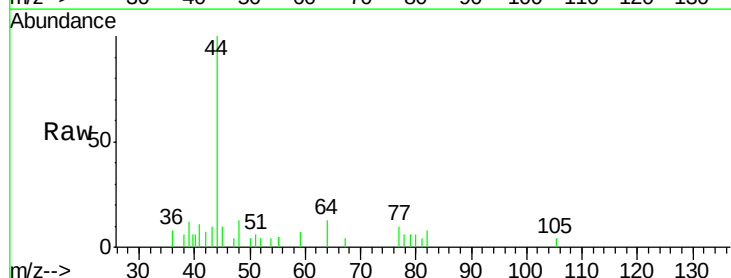


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

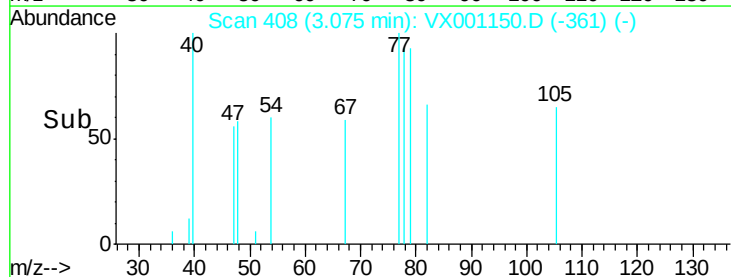
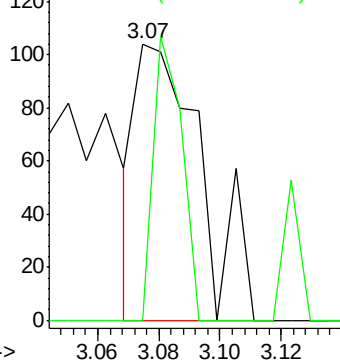


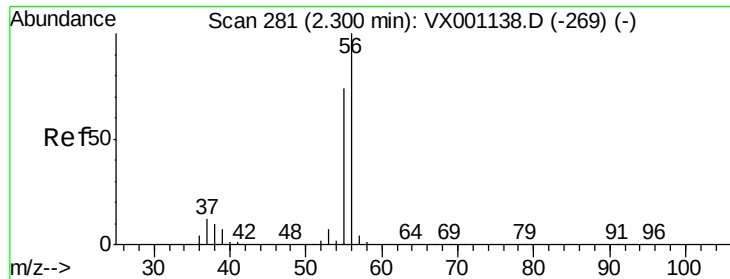
#11
Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 44.2 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: 0.58 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

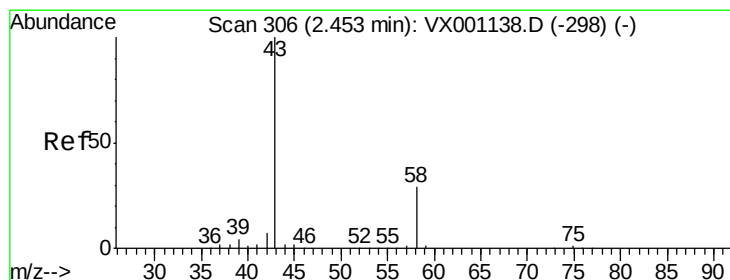
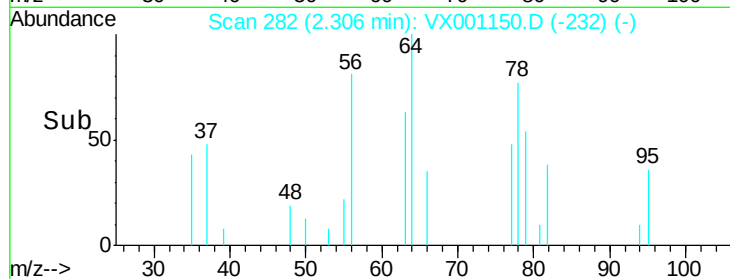
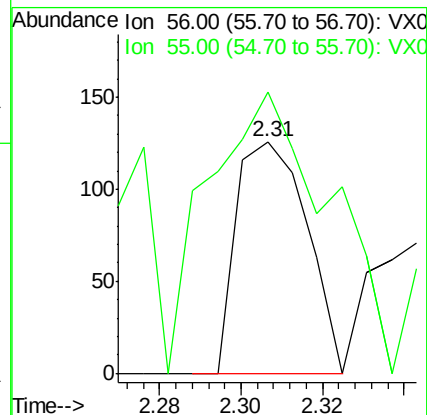
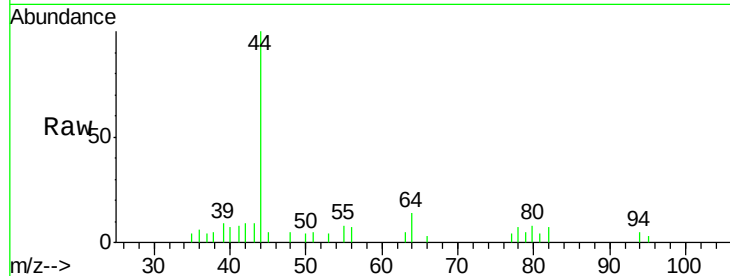
PB108612ZHE#02

Tgt Ion: 56 Resp: 151

Ion Ratio Lower Upper

56 100

55 209.3 57.2 85.8#



#16

Acetone

Concen: 2.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001150.D

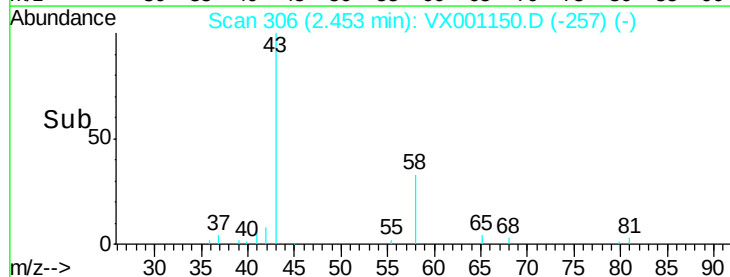
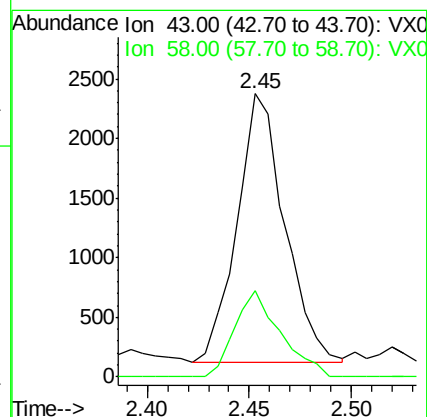
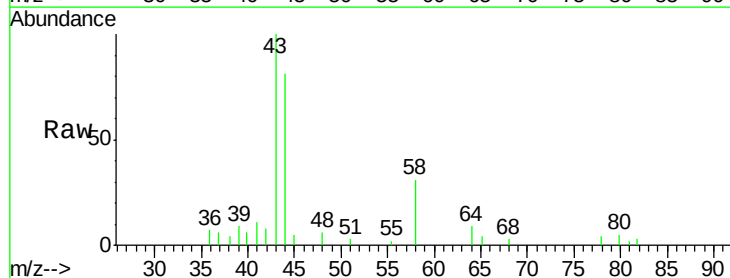
Acq: 27 Apr 2018 03:40

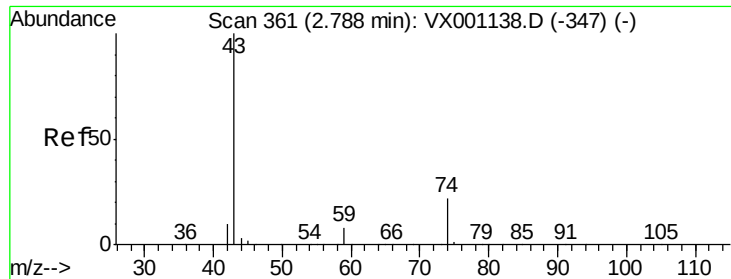
Tgt Ion: 43 Resp: 3633

Ion Ratio Lower Upper

43 100

58 32.3 23.0 34.6

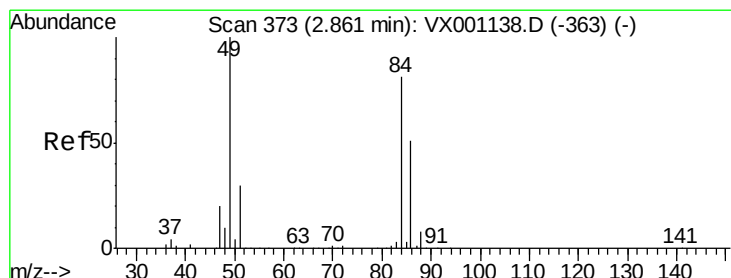
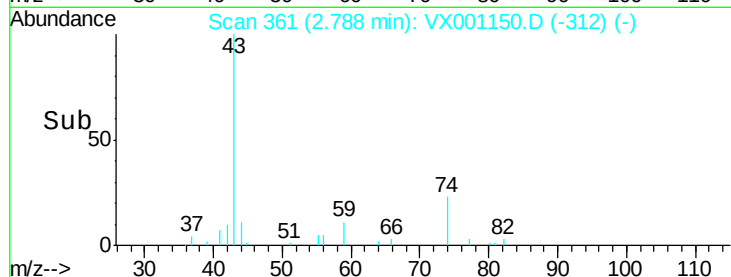
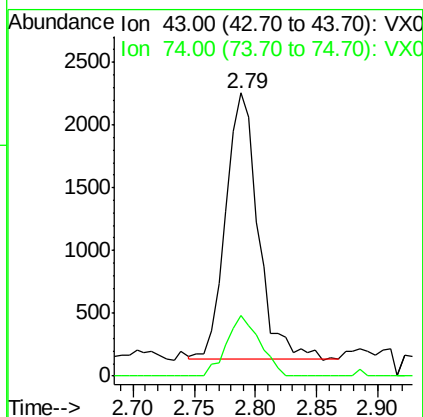
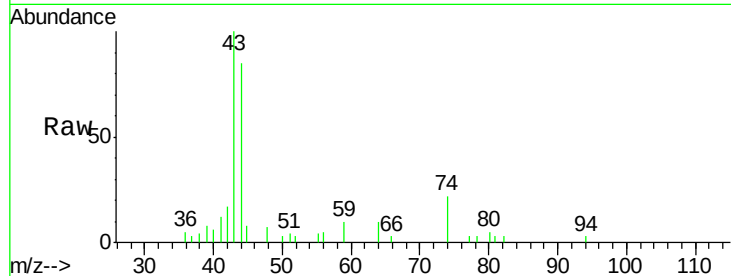




#18
Methyl Acetate
Concen: 1.08 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.00 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

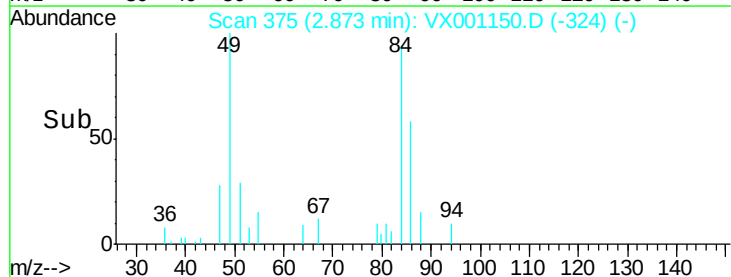
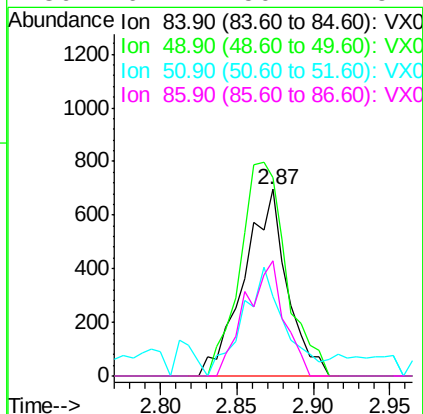
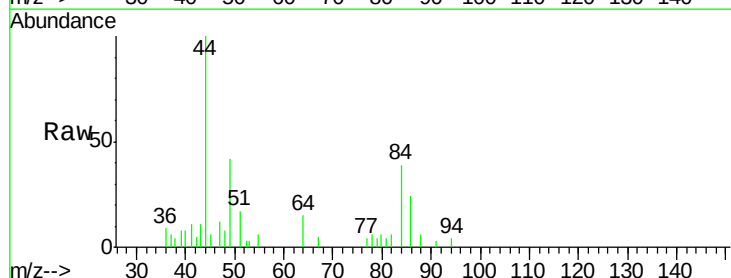
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#02

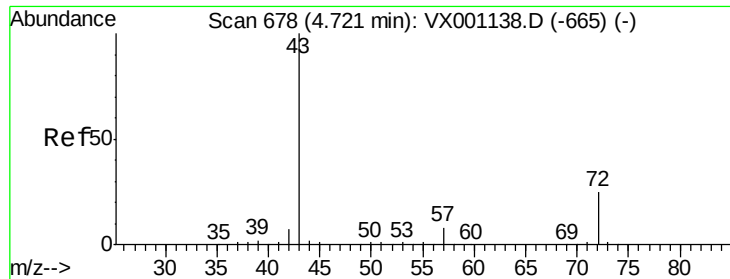
Tgt Ion: 43 Resp: 3895
Ion Ratio Lower Upper
43 100
74 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 0.51 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Tgt Ion: 84 Resp: 1367
Ion Ratio Lower Upper
84 100
49 106.3 99.2 148.8
51 31.0 29.5 44.3
86 62.1 50.2 75.2





#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

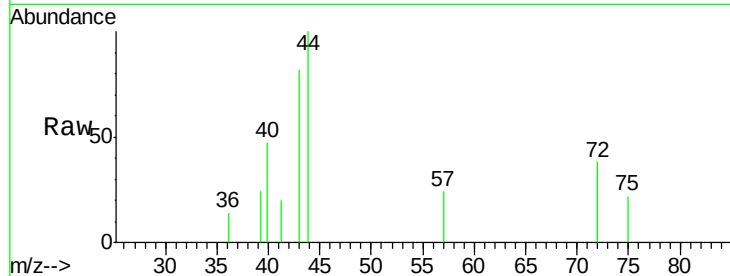
PB108612ZHE#02

Tgt Ion: 43 Resp: 702

Ion Ratio Lower Upper

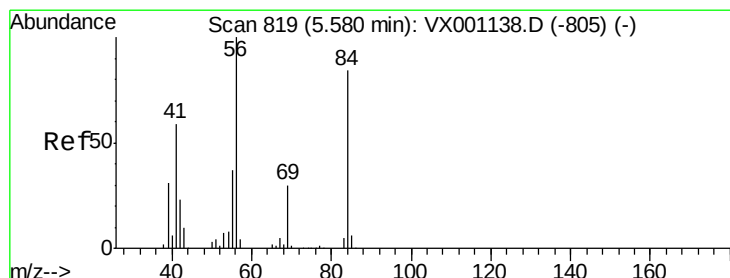
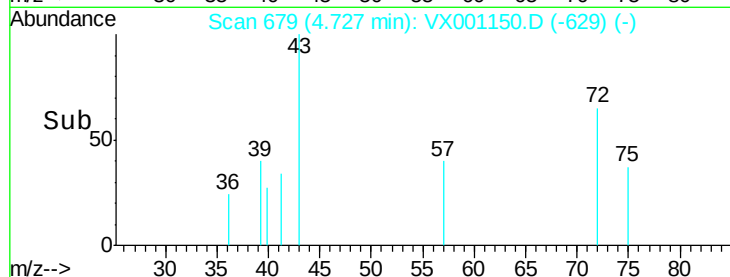
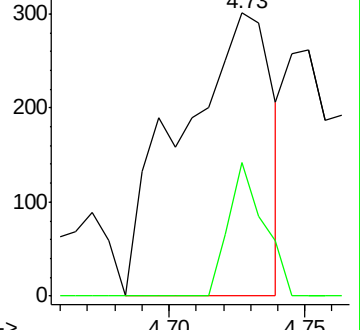
43 100

72 47.2 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.19 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

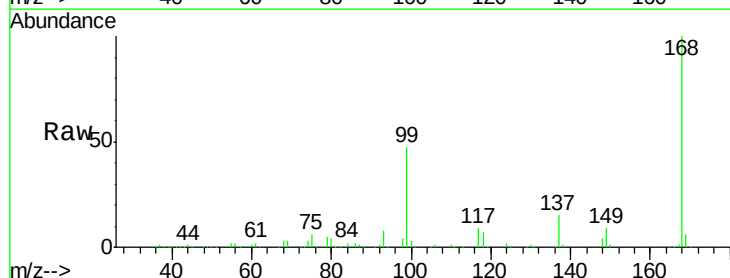
Tgt Ion: 56 Resp: 4433

Ion Ratio Lower Upper

56 100

69 161.4 24.2 36.2#

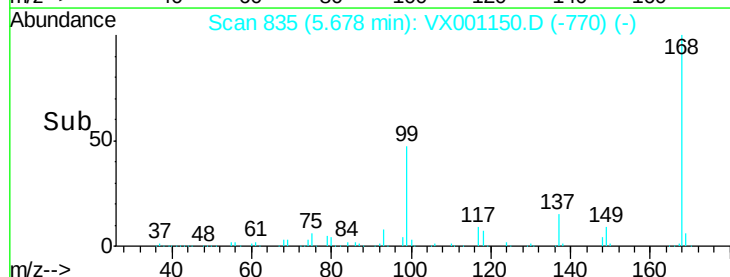
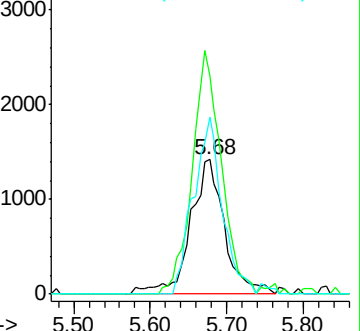
84 131.6 67.5 101.3#

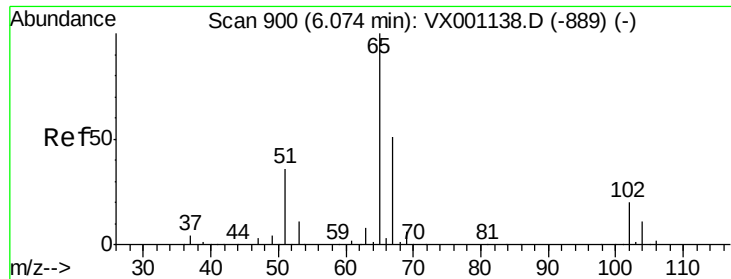


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

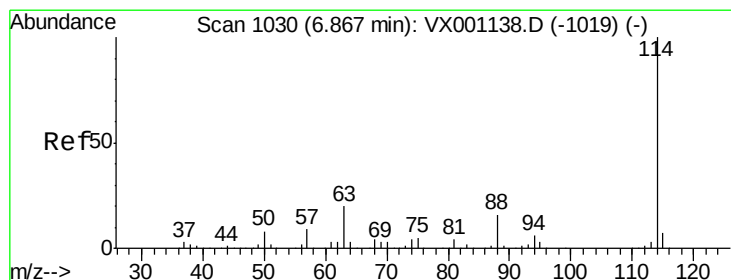
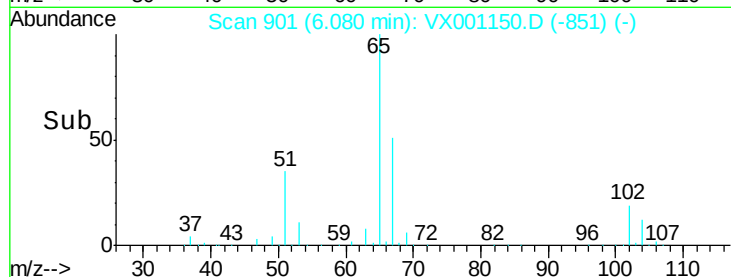
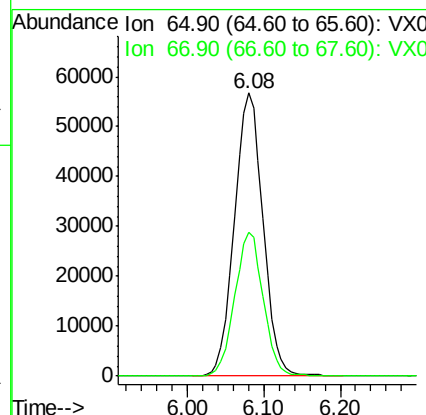
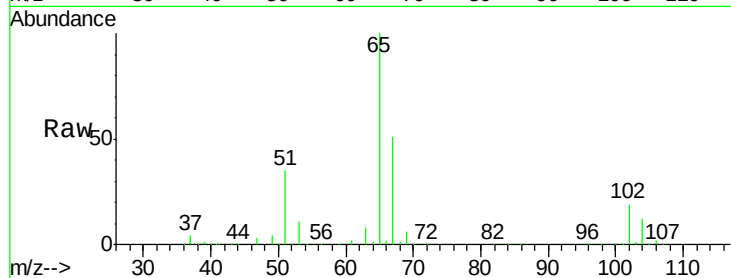




#33
 1,2-Dichloroethane-d4
 Concen: 41.91 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001150.D
 Acq: 27 Apr 2018 03:40

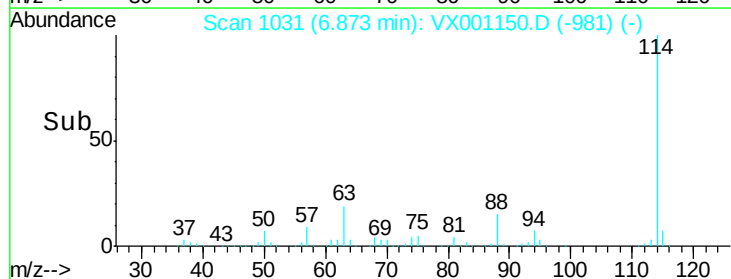
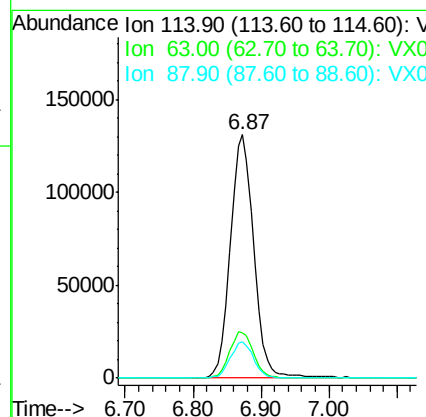
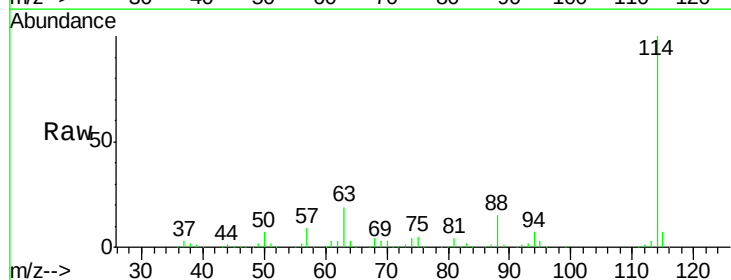
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#02

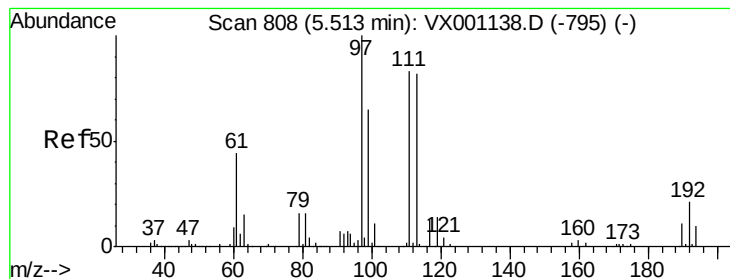
Tgt Ion: 65 Resp: 146908
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001150.D
 Acq: 27 Apr 2018 03:40

Tgt Ion: 114 Resp: 314105
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.4
 88 14.8 0.0 31.8





#35

Dibromofluoromethane

Concen: 43.97 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#02

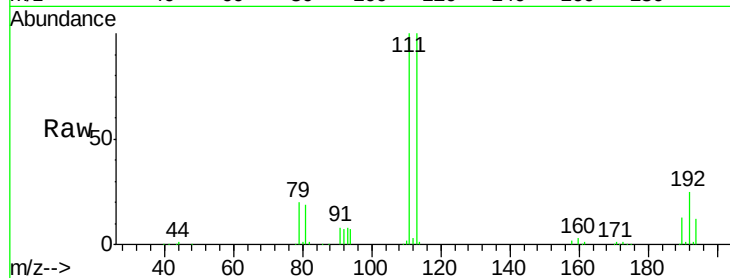
Tgt Ion:113 Resp: 114305

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.4

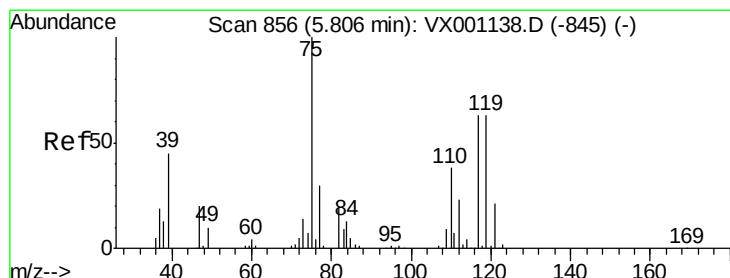
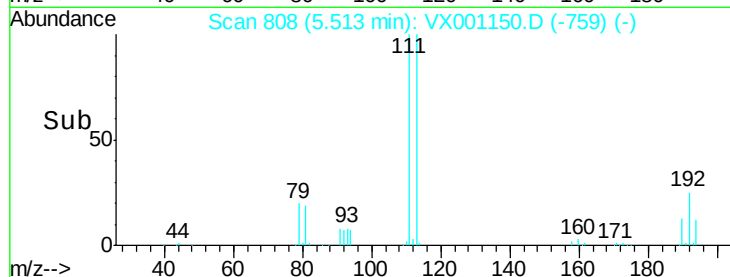
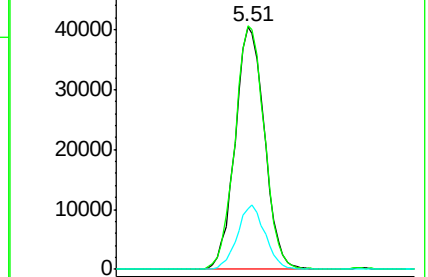
192 25.0 20.6 30.8



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: 4.08 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

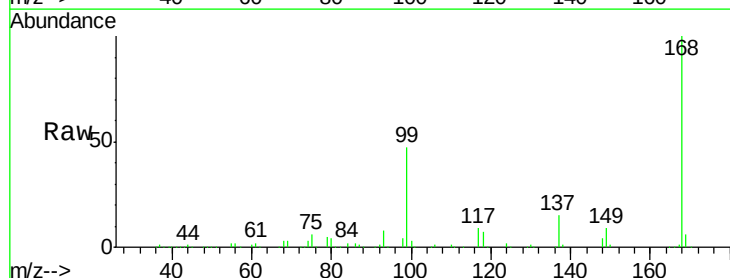
Tgt Ion: 75 Resp: 14129

Ion Ratio Lower Upper

75 100

110 11.2 19.0 57.0#

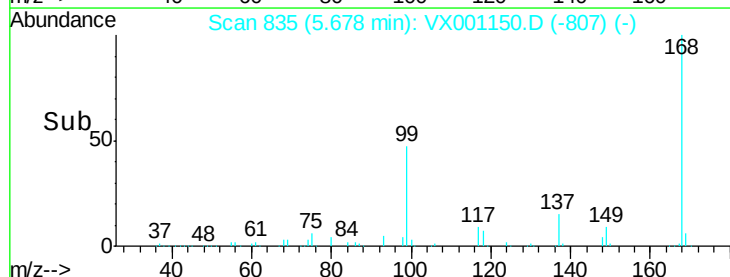
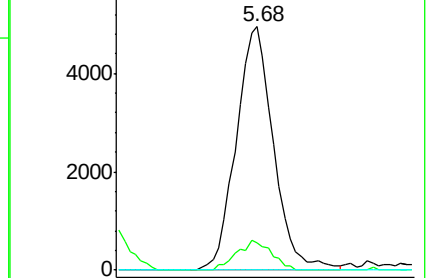
77 0.0 24.8 37.2#

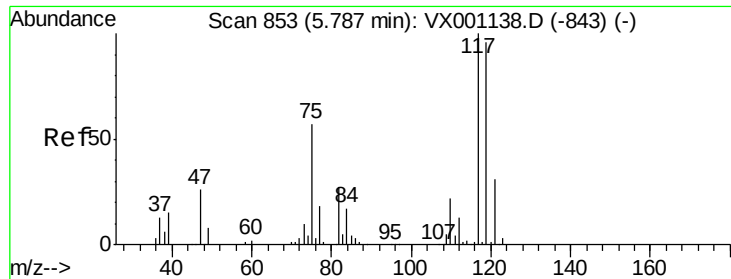


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.43 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.11 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#02

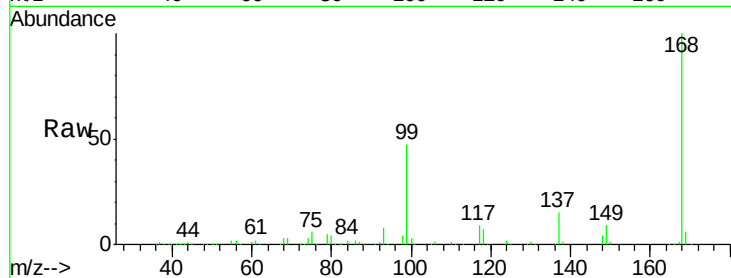
Tgt Ion: 117 Resp: 19285

Ion Ratio Lower Upper

117 100

119 3.2 76.5 114.7#

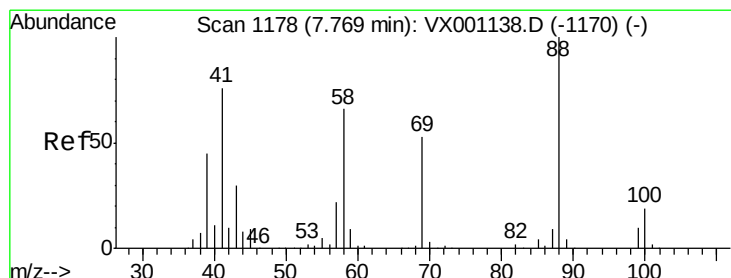
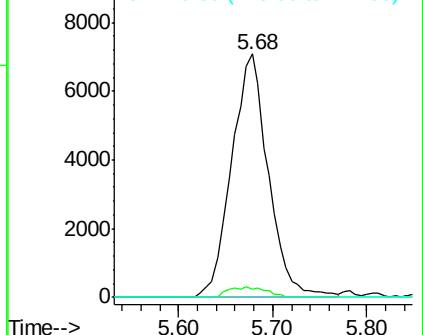
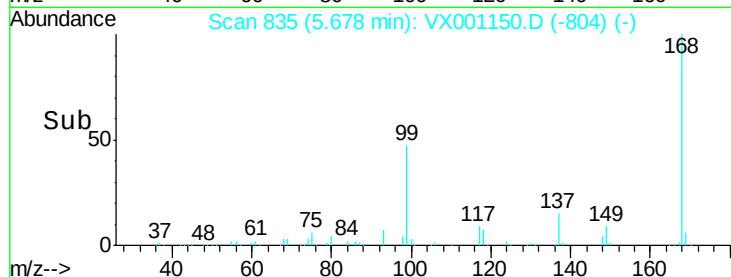
121 0.0 24.6 37.0#



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: 0.30 ug/l

RT: 8.01 min Scan# 1217

Delta R.T. 0.24 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

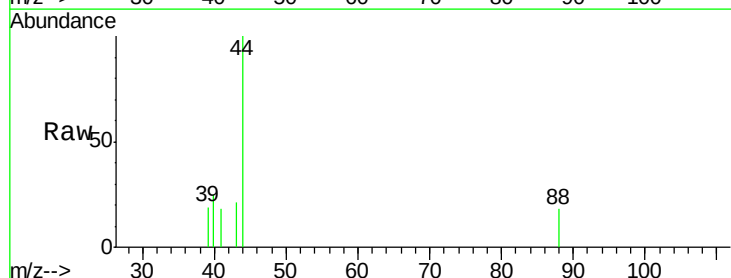
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

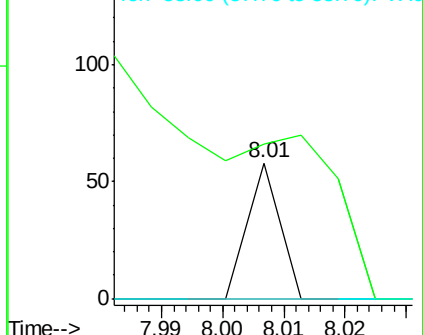
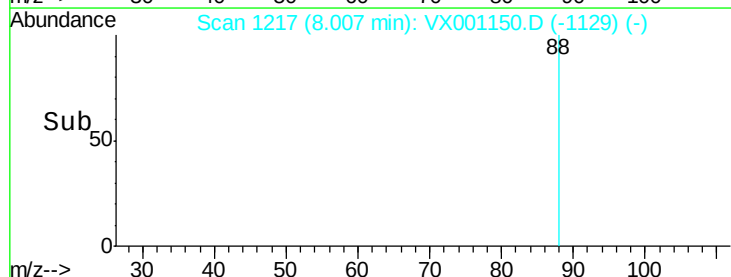
58 0.0 54.2 81.4#

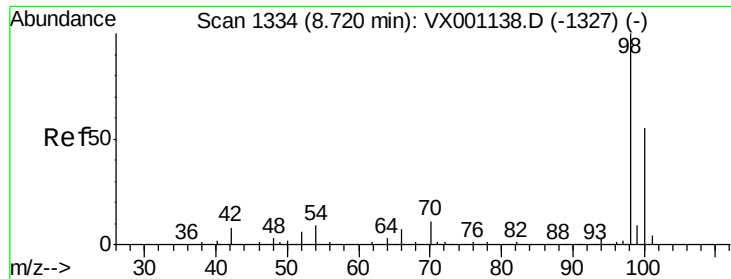


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

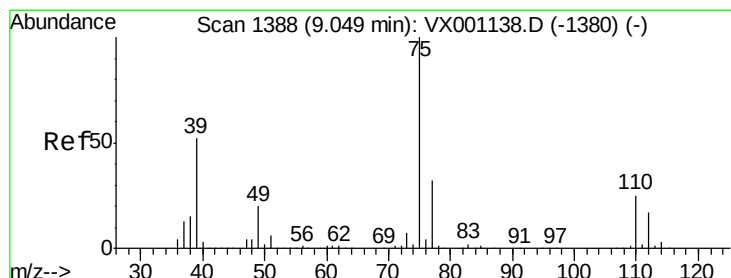
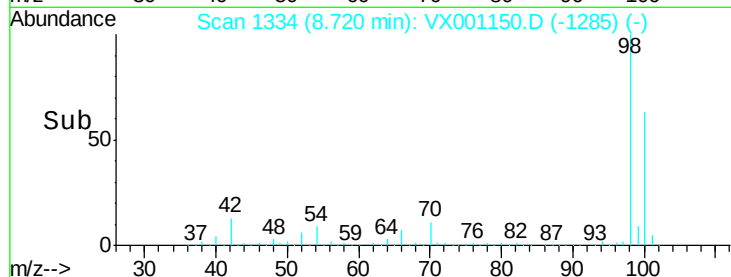
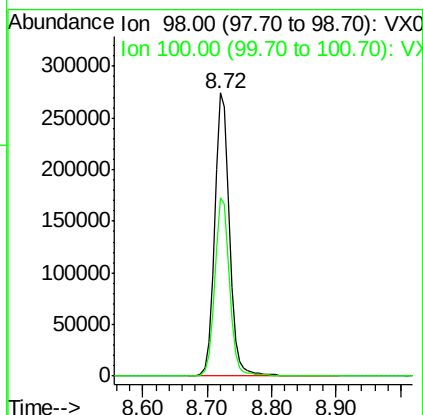
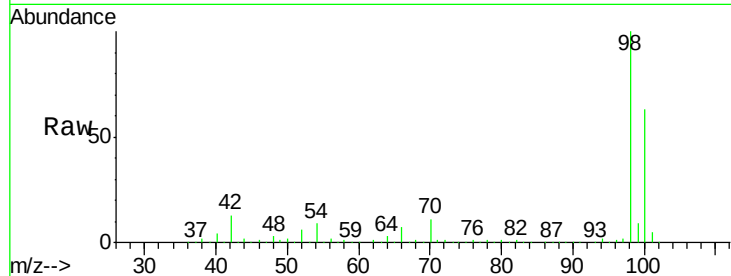




#50
Toluene-d8
Concen: 45.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

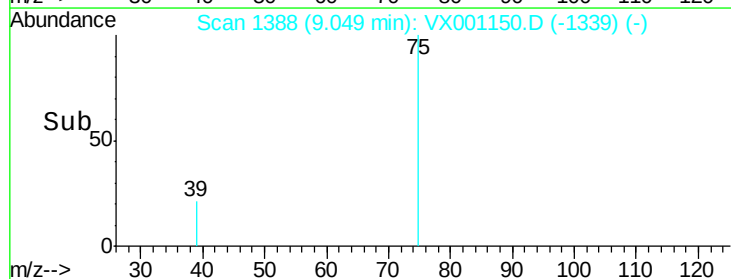
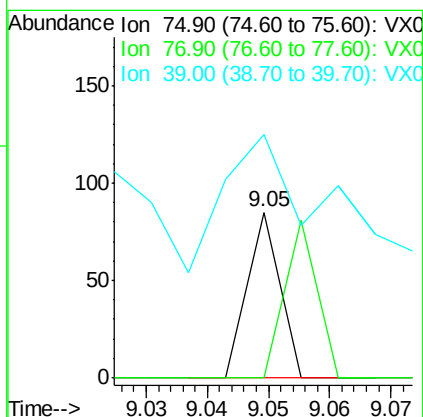
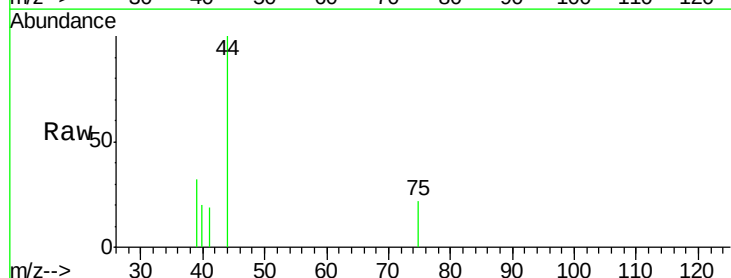
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#02

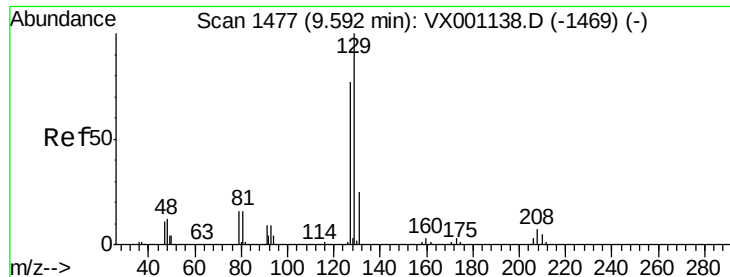
Tgt Ion: 98 Resp: 445640
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6



#54
cis-1,3-Dichloropropene
Concen: 3.19 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Tgt Ion: 75 Resp: 31
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#
39 83.5 42.0 63.0#





#60

Dibromochloromethane

Concen: 3.39 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

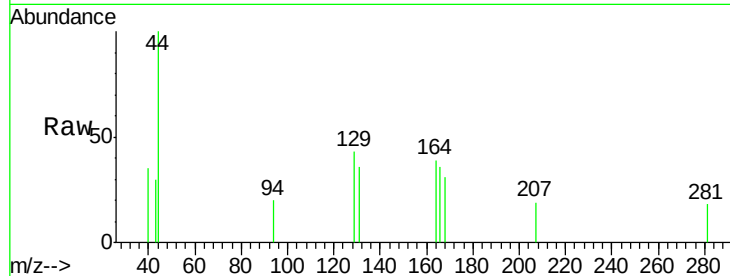
PB108612ZHE#02

Tgt Ion:129 Resp: 165

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

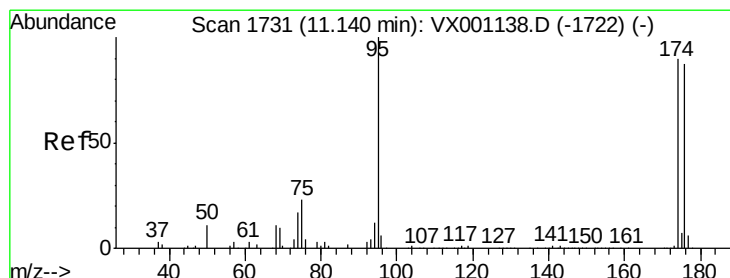
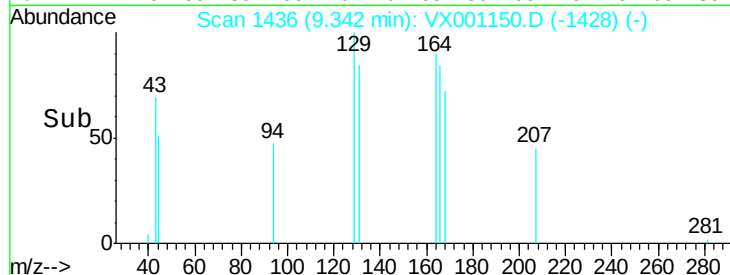
9.34

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

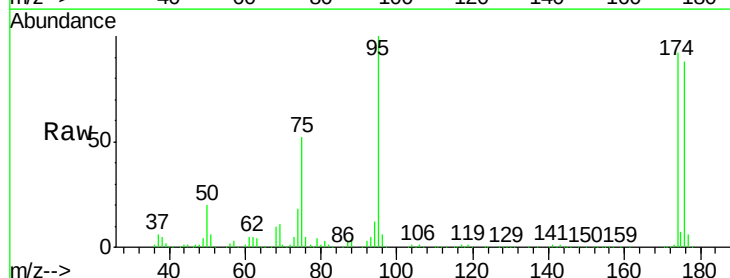
Tgt Ion: 95 Resp: 158141

Ion Ratio Lower Upper

95 100

174 101.1 0.0 194.4

176 97.8 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

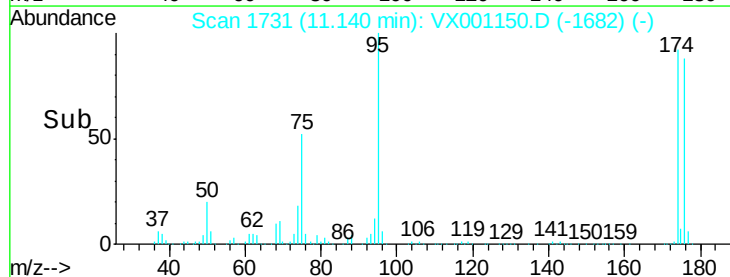
150000

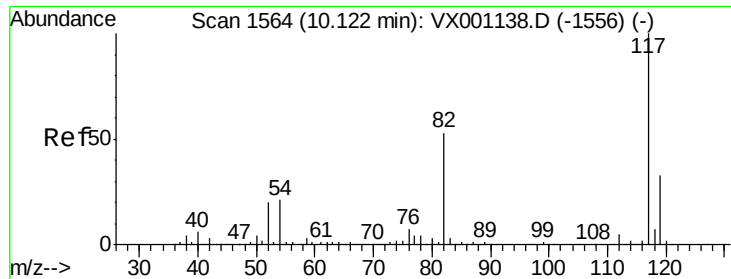
100000

50000

0

Time-->

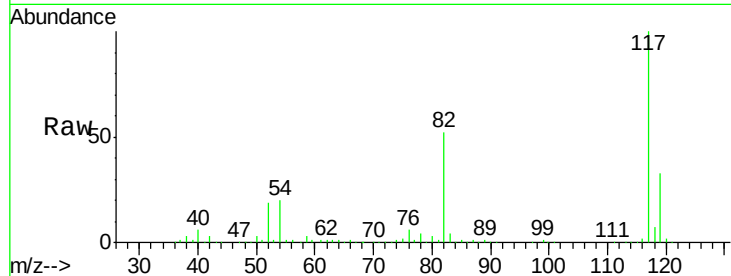




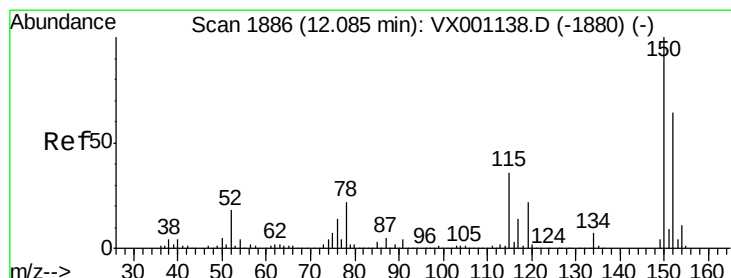
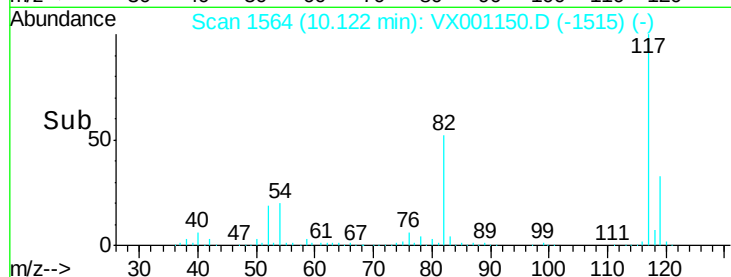
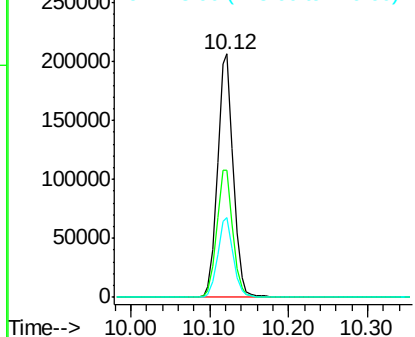
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#02

Tgt Ion:117 Resp: 286714
Ion Ratio Lower Upper
117 100
82 52.3 42.1 63.1
119 32.8 26.1 39.1

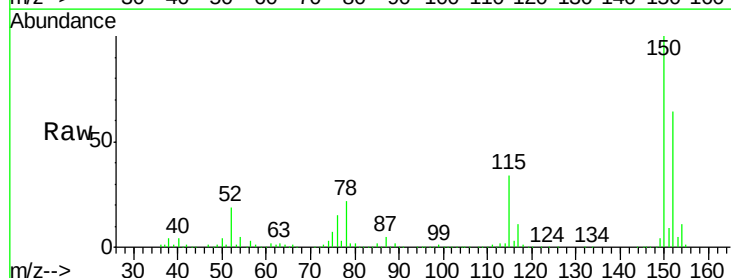


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

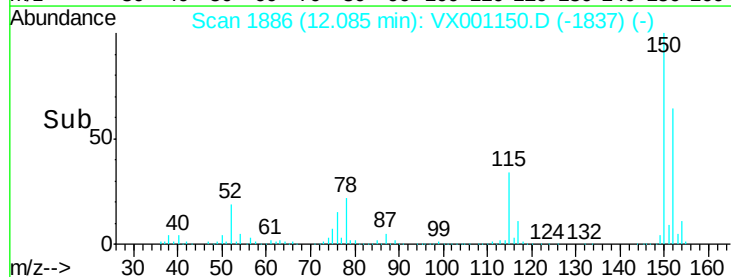
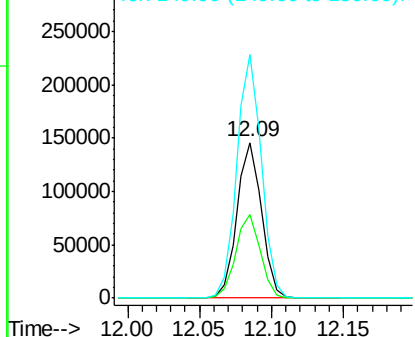


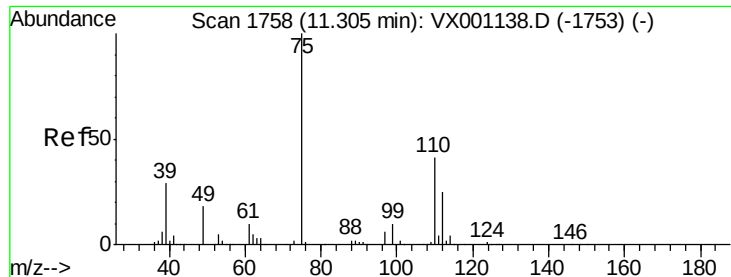
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001150.D
Acq: 27 Apr 2018 03:40

Tgt Ion:152 Resp: 173338
Ion Ratio Lower Upper
152 100
115 54.1 38.0 114.0
150 156.9 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: 23.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

Instrument :

MSVOA_X

ClientSampleId :

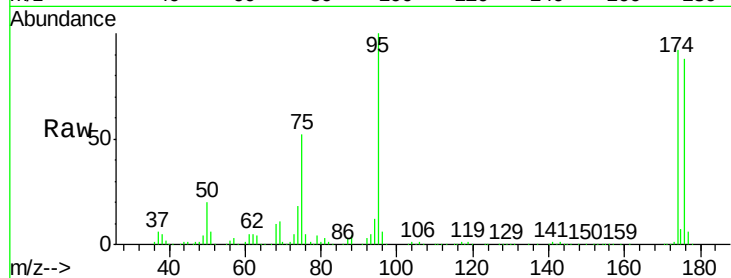
PB108612ZHE#02

Tgt Ion: 75 Resp: 83528

Ion Ratio Lower Upper

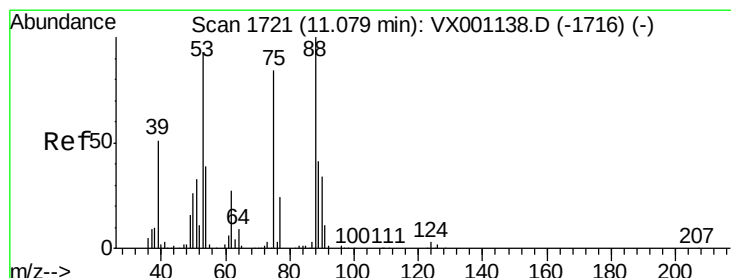
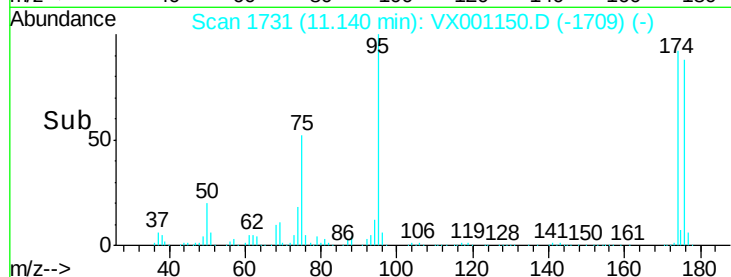
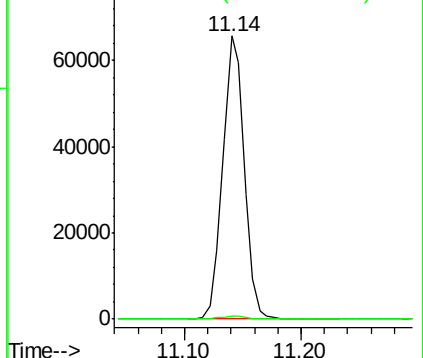
75 100

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: 72.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001150.D

Acq: 27 Apr 2018 03:40

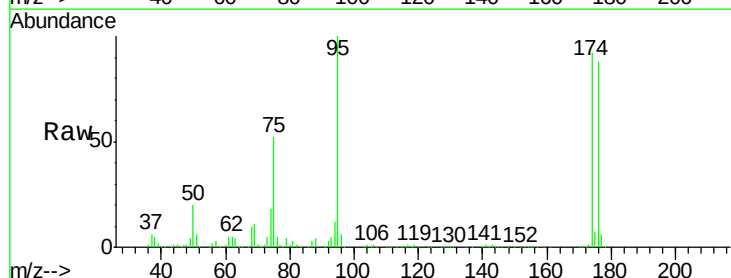
Tgt Ion: 75 Resp: 83528

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

89 0.0 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

