

Data File : VX001151.D
Acq On : 27 Apr 2018 04:06
Operator : JC/MD
Sample : PB108612ZHE#03 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#03

Quant Time: Apr 27 07:23:58 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	212407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	292059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	147124	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	135649	41.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.40%	
35) Dibromofluoromethane	5.51	113	105570	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
50) Toluene-d8	8.72	98	407350	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	
62) 4-Bromofluorobenzene	11.14	95	137912	38.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.40%	

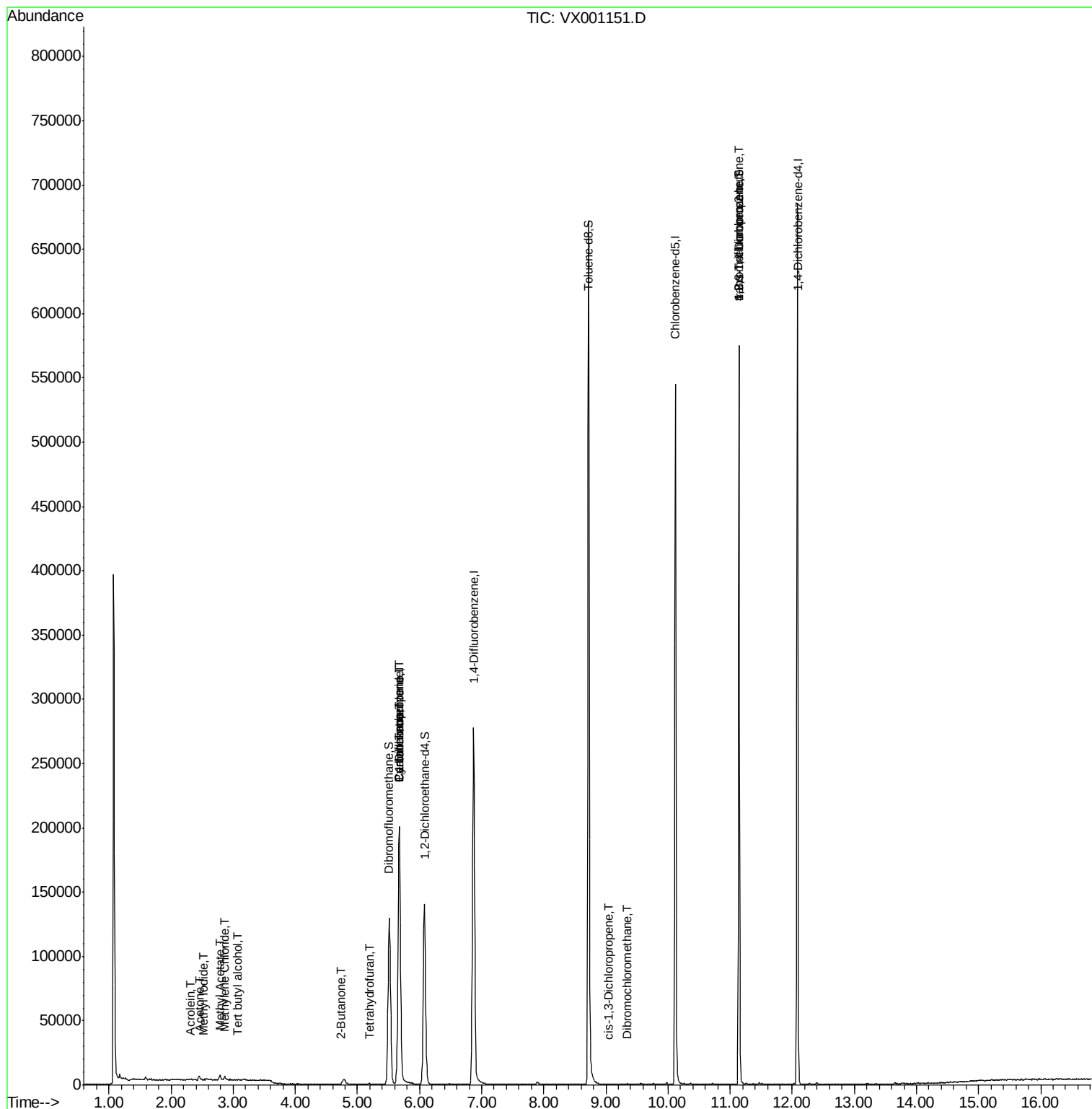
Target Compounds			Qvalue			
5) Bromomethane	1.66	94	282	Below Cal	#	79
10) Methyl Iodide	2.52	142	161	7.30	ug/l #	53
11) Tert butyl alcohol	3.07	59	133	0.20	ug/l #	51
13) Acrolein	2.31	56	199	0.81	ug/l #	31
16) Acetone	2.45	43	3566	2.63	ug/l	93
18) Methyl Acetate	2.79	43	3690	1.09	ug/l	97
20) Methylene Chloride	2.87	84	1279	0.51	ug/l #	90
25) 2-Butanone	4.72	43	483	0.24	ug/l #	72
29) Tetrahydrofuran	5.18	42	506	0.39	ug/l #	46
31) Cyclohexane	5.67	56	3871	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12964	4.03	ug/l #	50
38) Carbon Tetrachloride	5.68	117	18495	5.60	ug/l #	16
54) cis-1,3-Dichloropropene	9.04	75	20	3.19	ug/l #	1
60) Dibromochloromethane	9.35	129	121	3.38	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	71785	23.96	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	71785	73.48	ug/l #	6

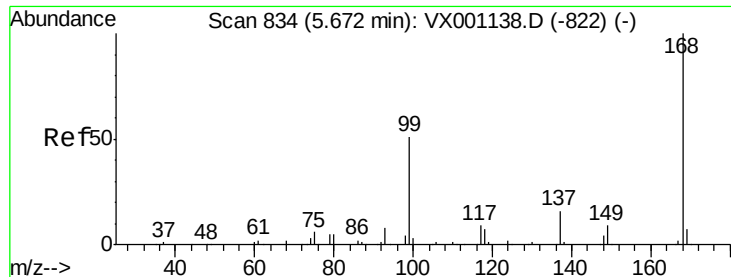
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

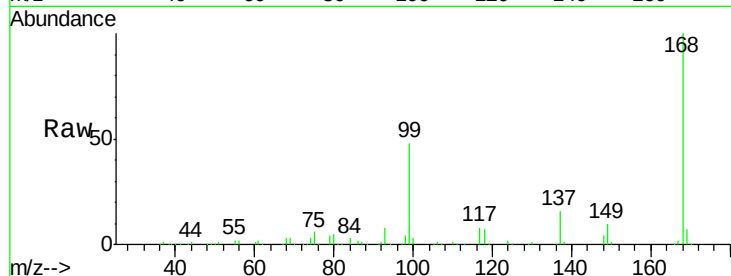
PB108612ZHE#03

Tgt Ion:168 Resp: 212407

Ion Ratio Lower Upper

168 100

99 48.0 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

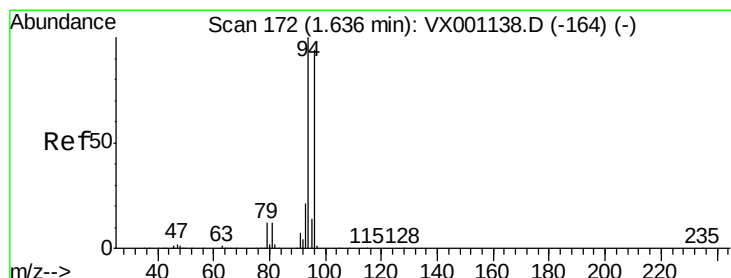
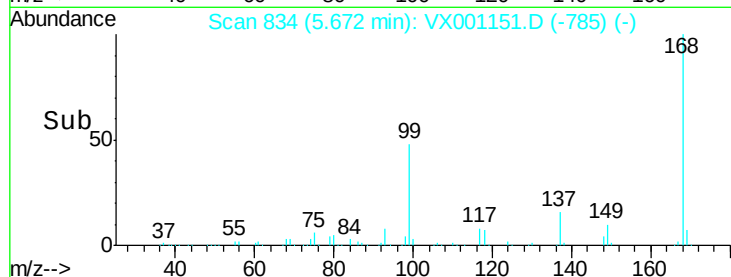
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001151.D

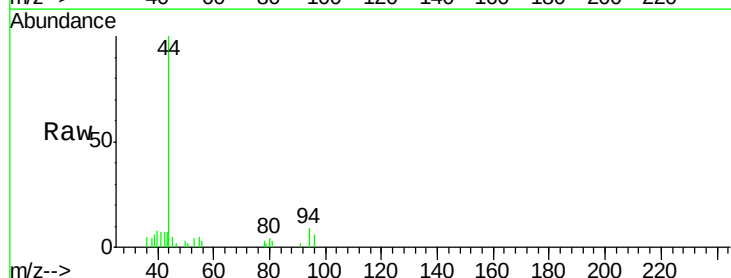
Acq: 27 Apr 2018 04:06

Tgt Ion: 94 Resp: 282

Ion Ratio Lower Upper

94 100

96 73.8 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

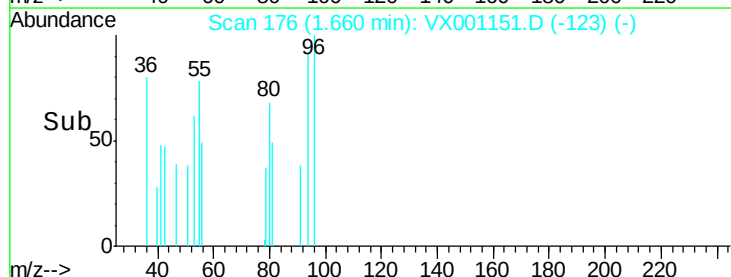
150

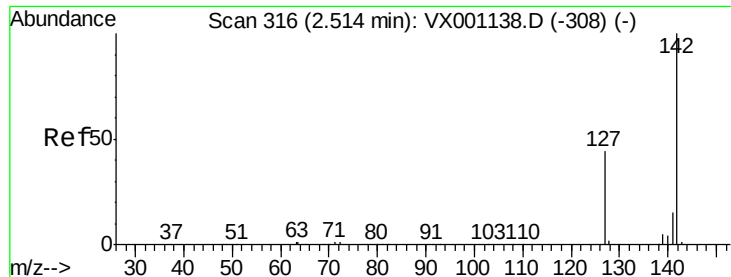
100

50

0

Time--> 1.60 1.65 1.70

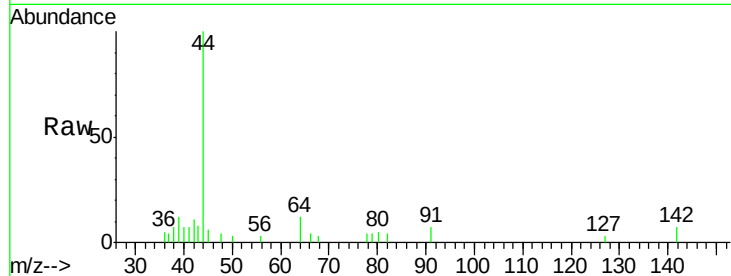




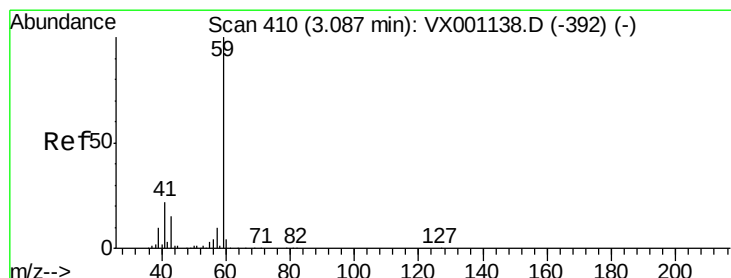
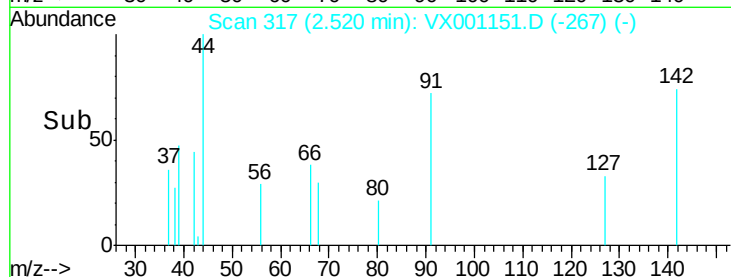
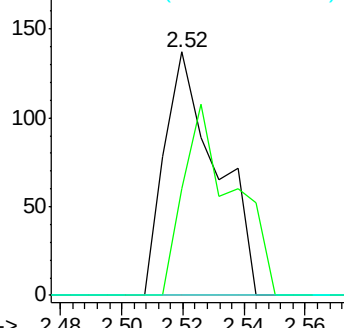
#10
Methyl Iodide
Concen: 7.30 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#03

Tgt Ion: 142 Resp: 161
Ion Ratio Lower Upper
142 100
127 76.4 34.7 52.1#
141 0.0 11.6 17.4#

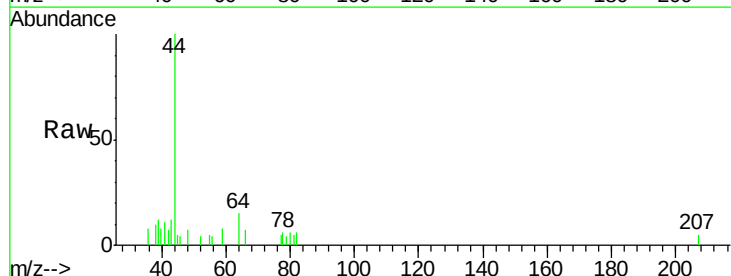


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

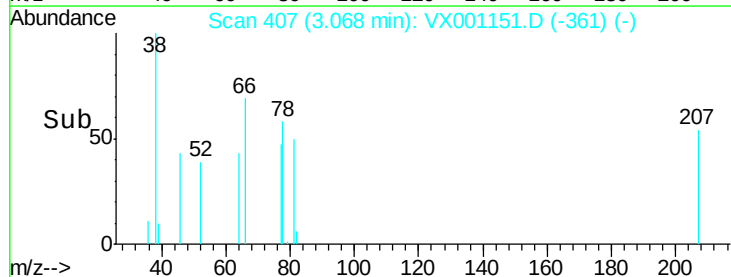
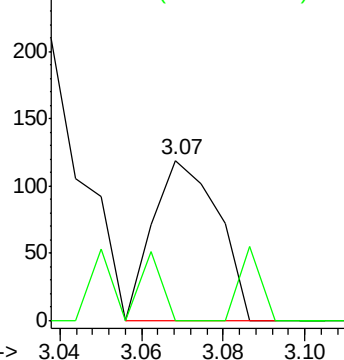


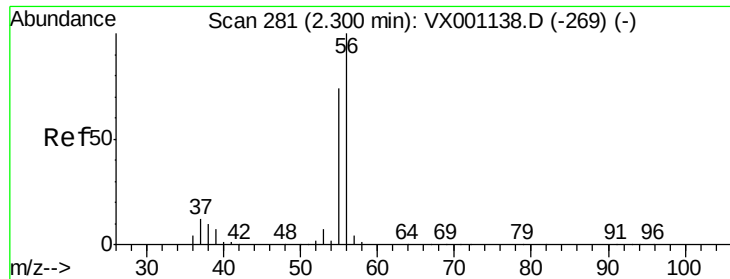
#11
Tert butyl alcohol
Concen: 0.20 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.02 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 28.6 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: 0.81 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

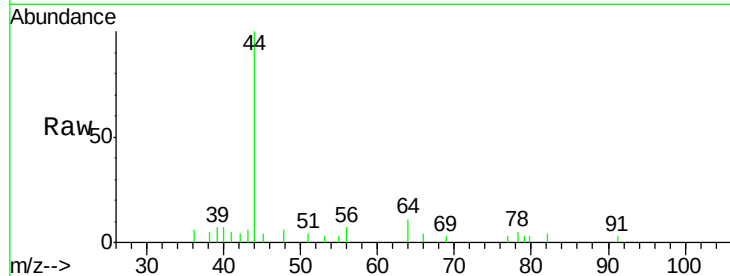
PB108612ZHE#03

Tgt Ion: 56 Resp: 199

Ion Ratio Lower Upper

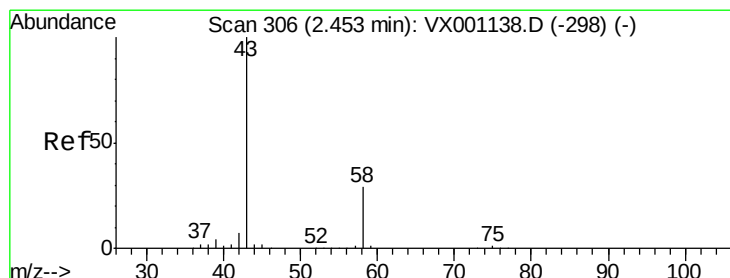
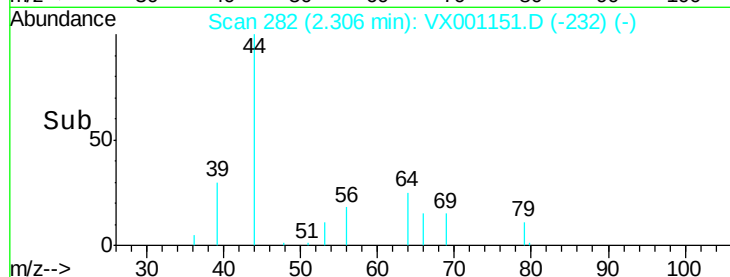
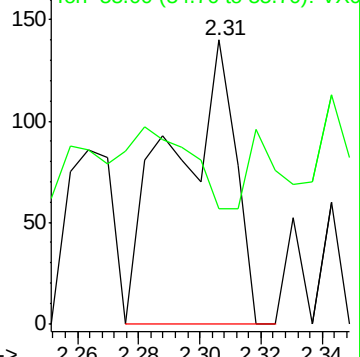
56 100

55 14.1 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: 2.63 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001151.D

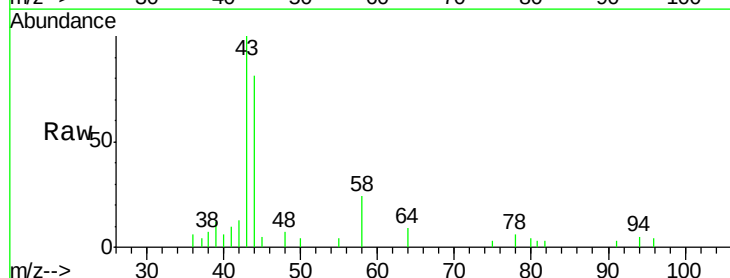
Acq: 27 Apr 2018 04:06

Tgt Ion: 43 Resp: 3566

Ion Ratio Lower Upper

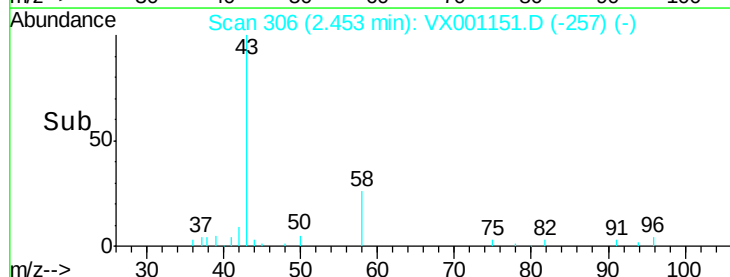
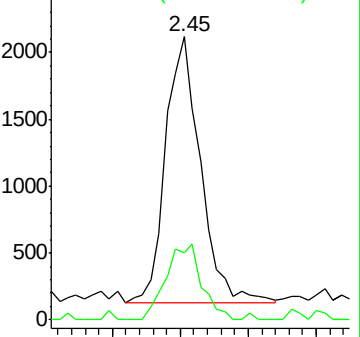
43 100

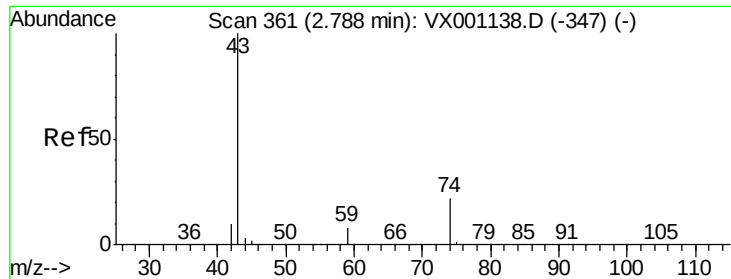
58 25.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

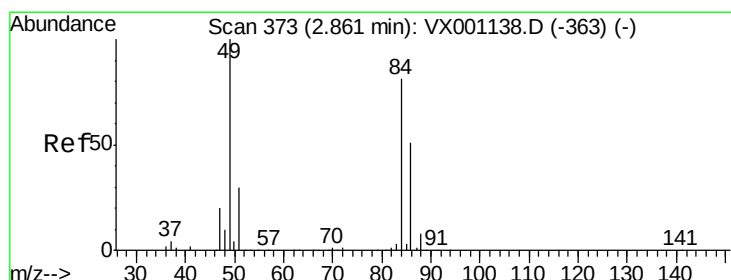
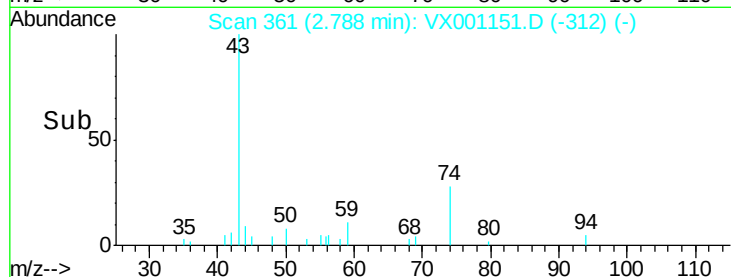
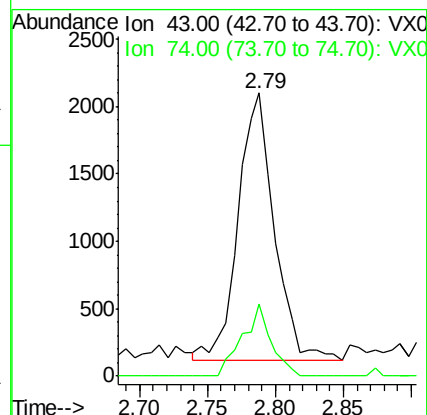
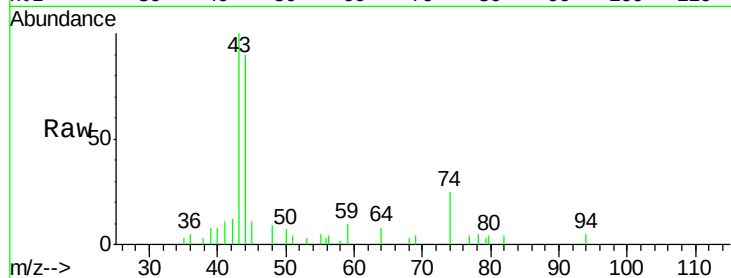




#18
Methyl Acetate
Concen: 1.09 ug/l
RT: 2.79 min Scan# 361
Delta R.T. -0.00 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

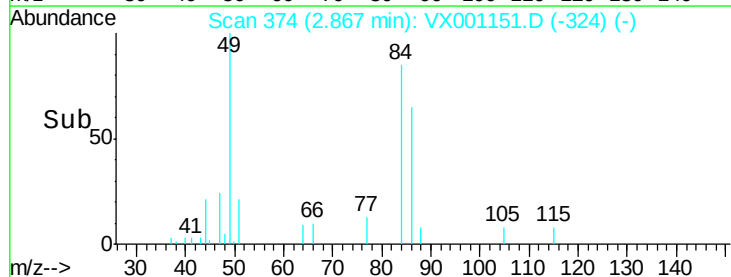
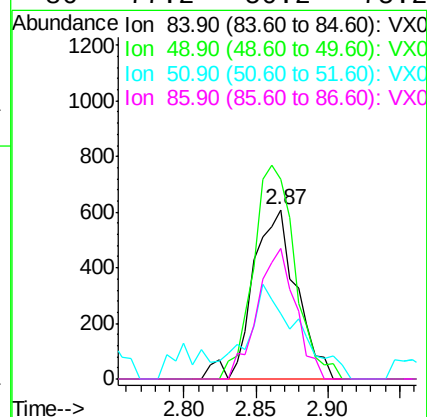
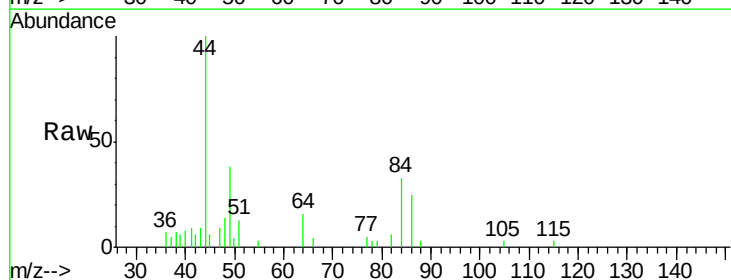
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#03

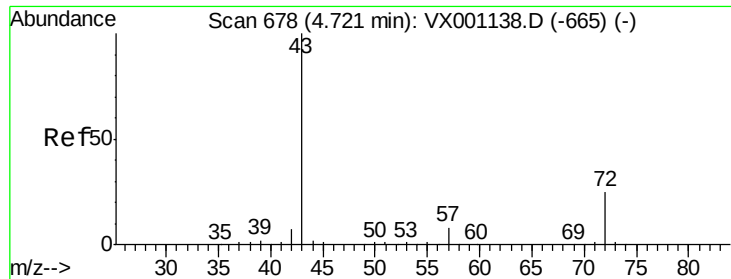
Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
74 21.2 18.1 27.1



#20
Methylene Chloride
Concen: 0.51 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

Tgt Ion: 84 Resp: 1279
Ion Ratio Lower Upper
84 100
49 118.0 99.2 148.8
51 30.3 29.5 44.3
86 77.2 50.2 75.2#





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

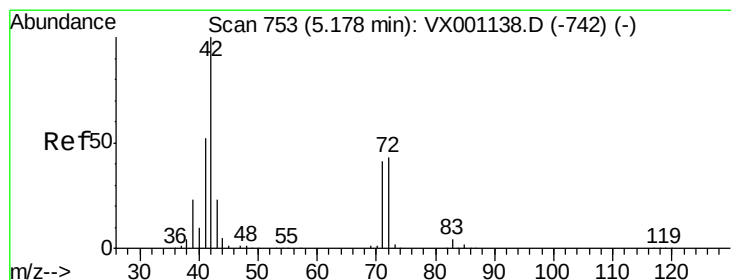
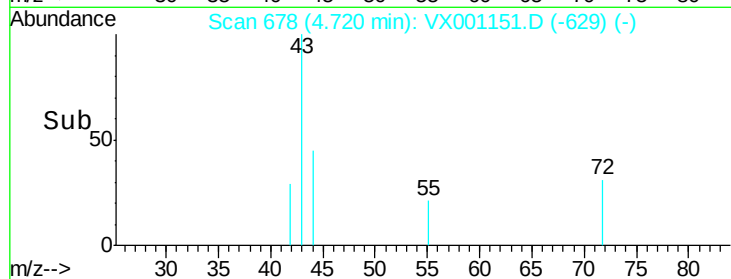
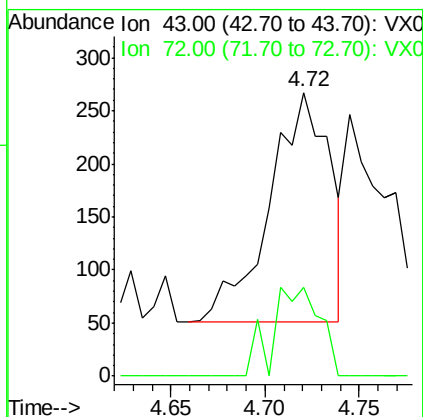
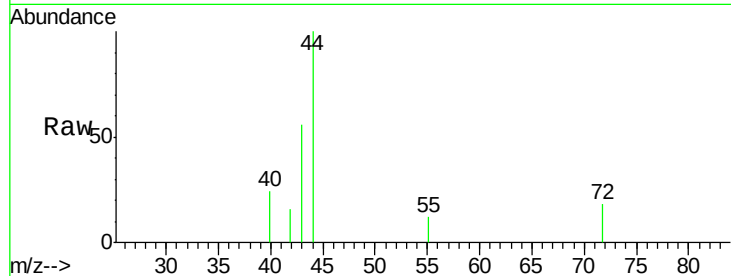
PB108612ZHE#03

Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

72 38.9 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

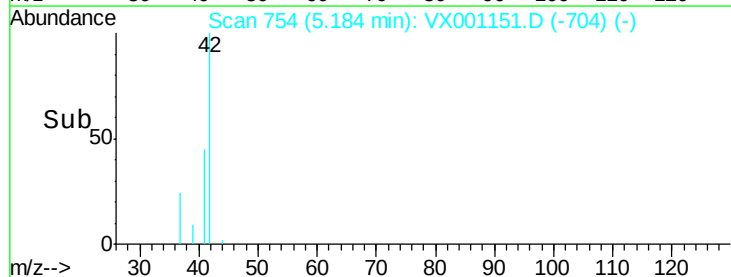
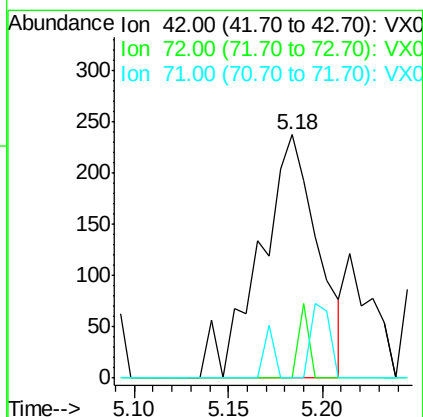
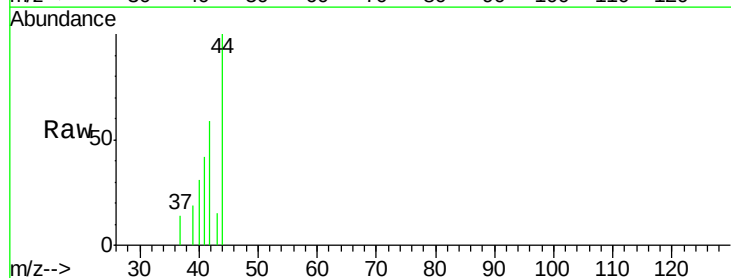
Tgt Ion: 42 Resp: 506

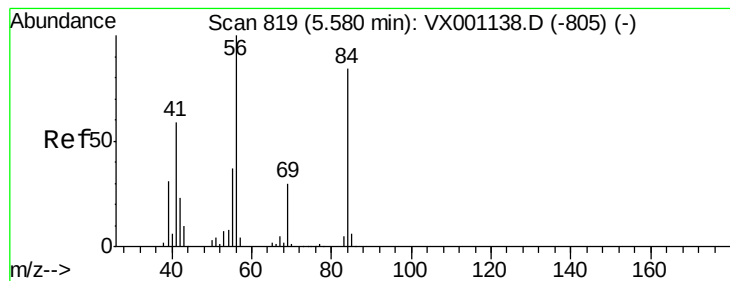
Ion Ratio Lower Upper

42 100

72 5.3 34.4 51.6#

71 9.9 32.1 48.1#





#31

Cyclohexane

Concen: 1.11 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#03

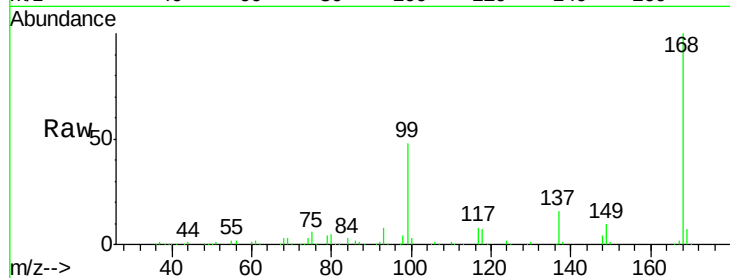
Tgt Ion: 56 Resp: 3871

Ion Ratio Lower Upper

56 100

69 191.0 24.2 36.2#

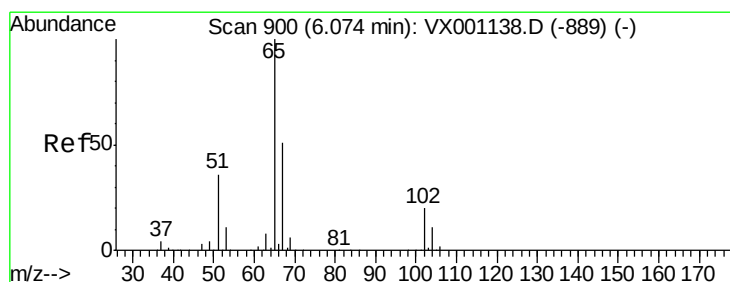
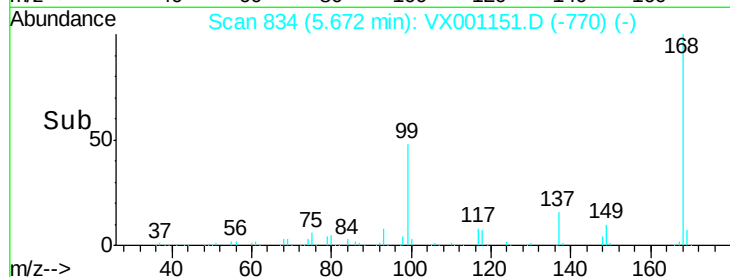
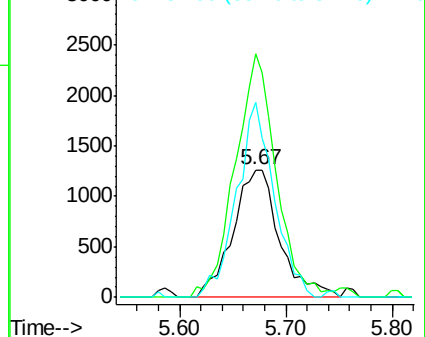
84 153.5 67.5 101.3#



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: 41.20 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001151.D

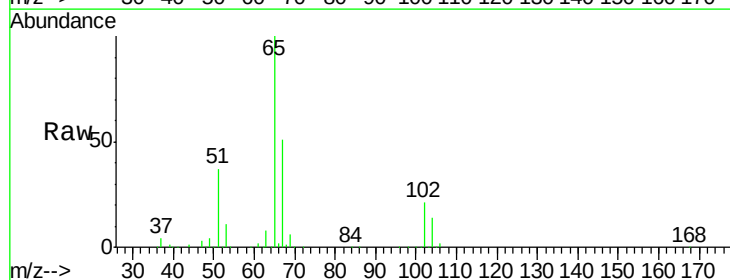
Acq: 27 Apr 2018 04:06

Tgt Ion: 65 Resp: 135649

Ion Ratio Lower Upper

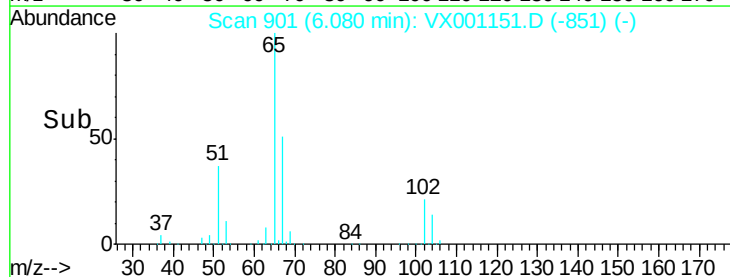
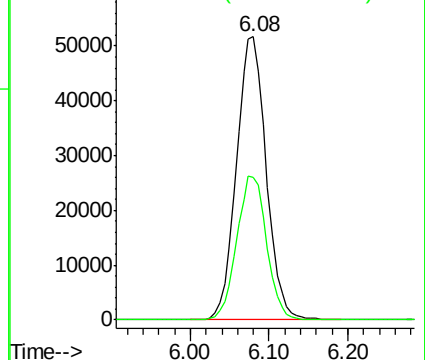
65 100

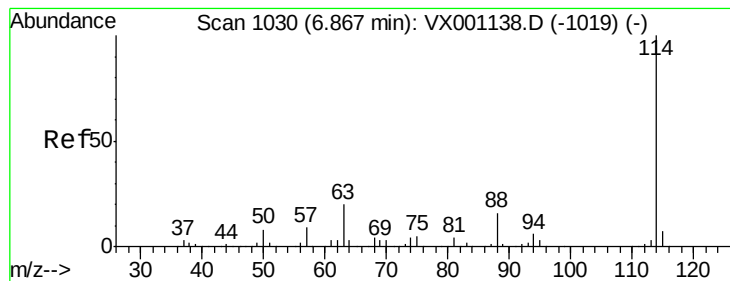
67 51.1 0.0 102.2



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# 1031

Delta R.T. 0.01 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#03

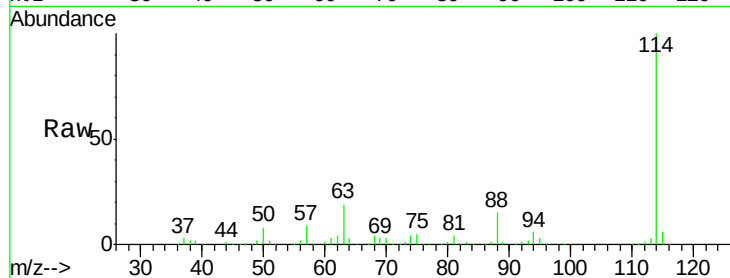
Tgt Ion:114 Resp: 292059

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.4

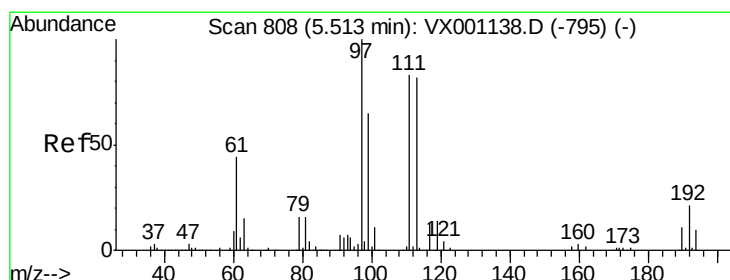
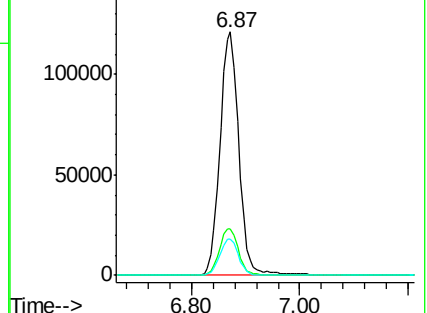
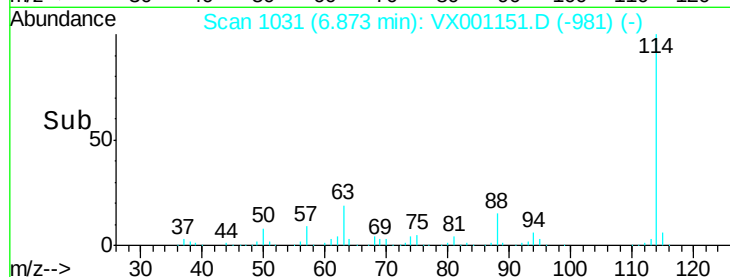
88 14.7 0.0 31.8



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: 43.67 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

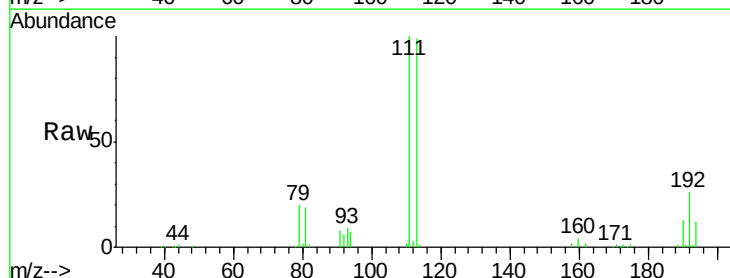
Tgt Ion:113 Resp: 105570

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

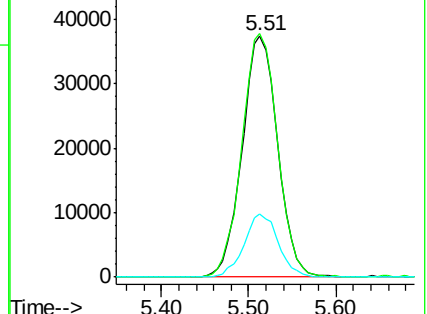
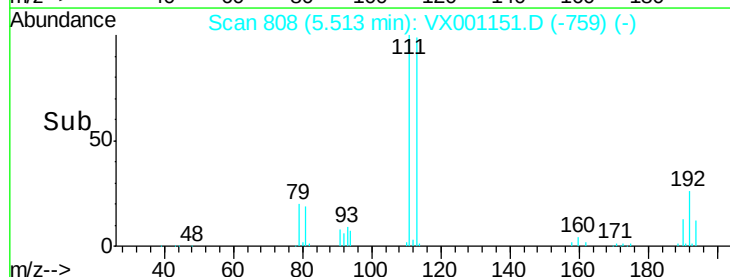
192 25.4 20.6 30.8

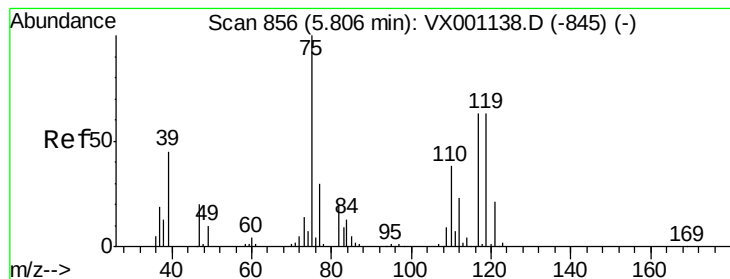


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.03 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#03

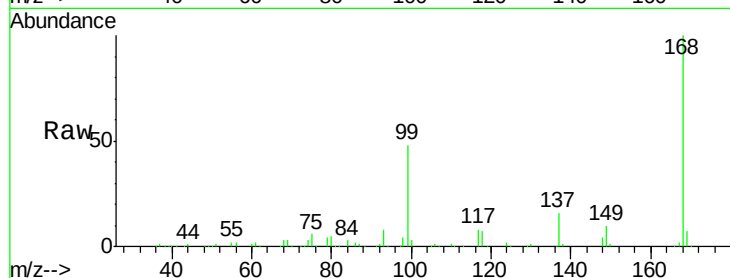
Tgt Ion: 75 Resp: 12964

Ion Ratio Lower Upper

75 100

110 11.0 19.0 57.0#

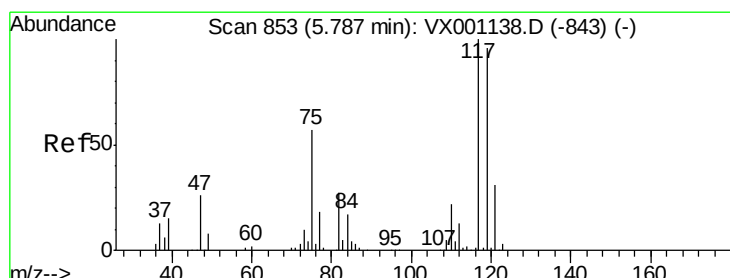
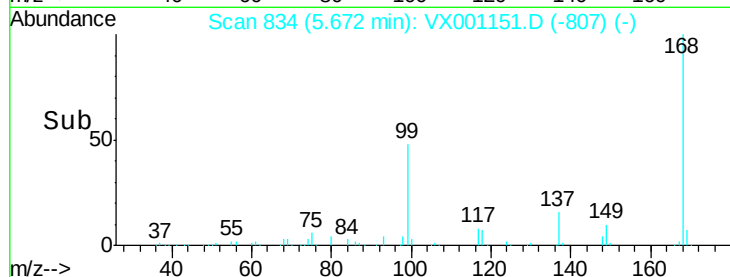
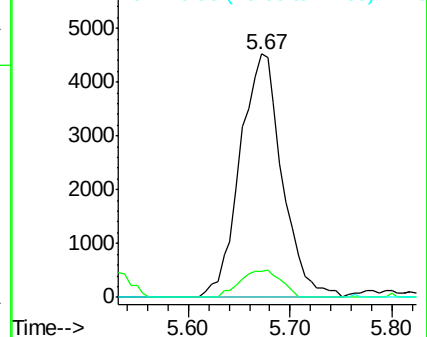
77 0.0 24.8 37.2#



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: 5.60 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.11 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

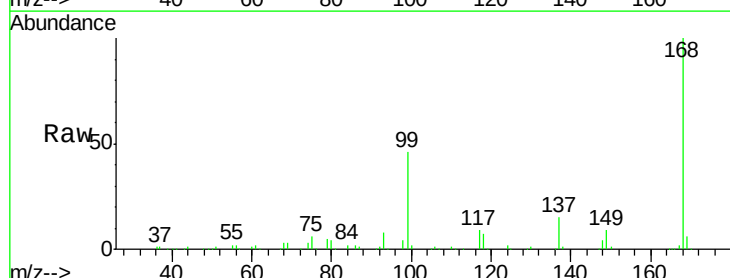
Tgt Ion: 117 Resp: 18495

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

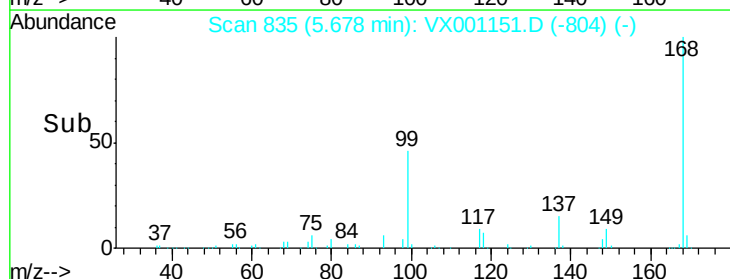
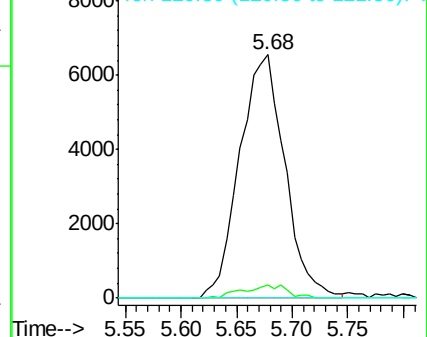
121 0.0 24.6 37.0#

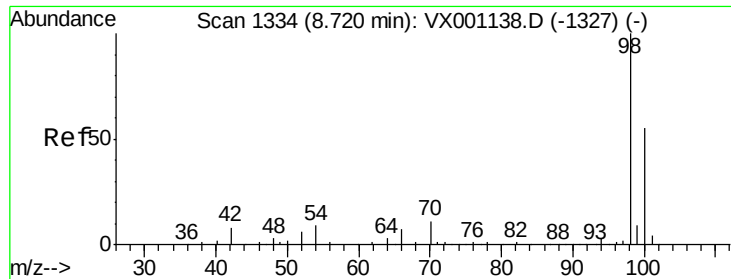


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 44.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

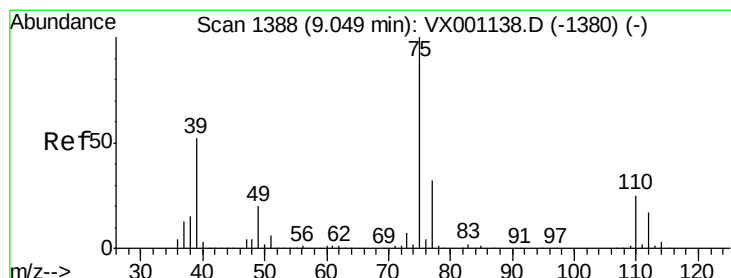
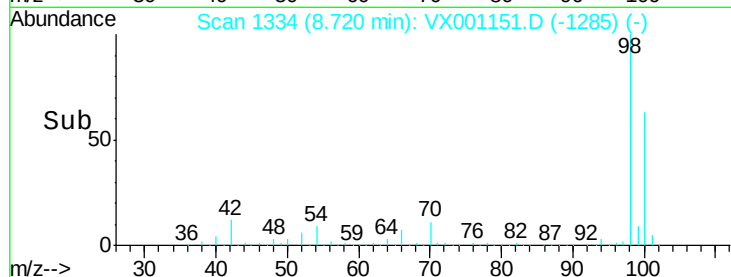
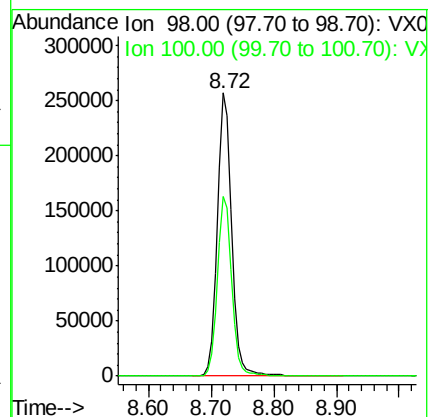
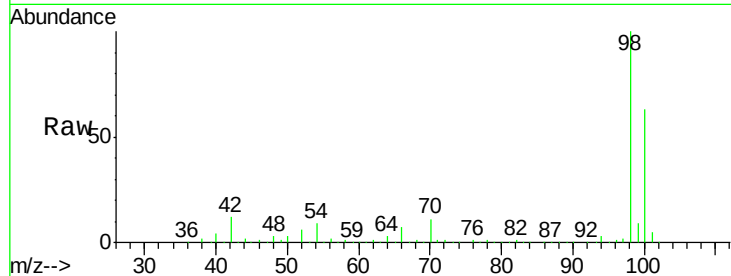
PB108612ZHE#03

Tgt Ion: 98 Resp: 407350

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.6



#54

cis-1,3-Dichloropropene

Concen: 3.19 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

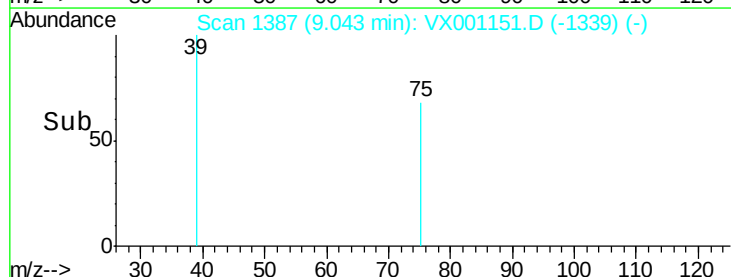
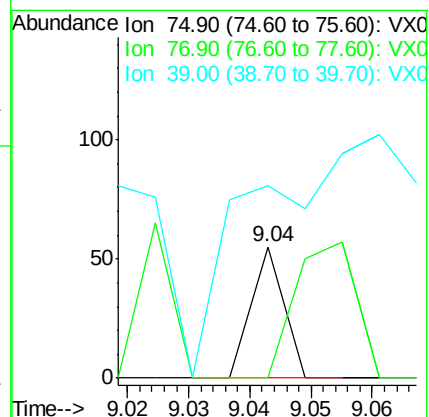
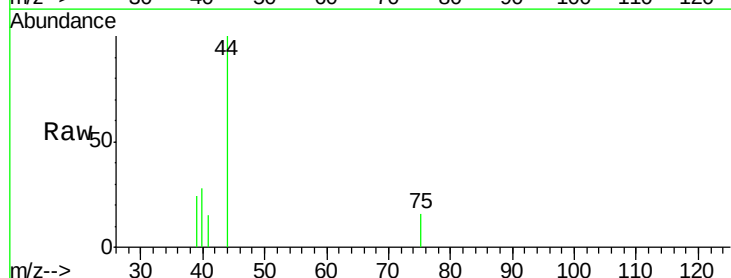
Tgt Ion: 75 Resp: 20

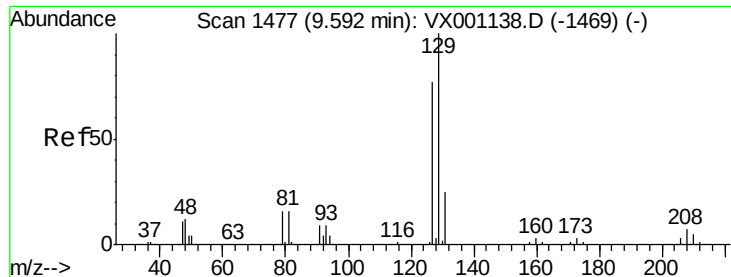
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 147.3 42.0 63.0#





#60

Dibromochloromethane

Concen: 3.38 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

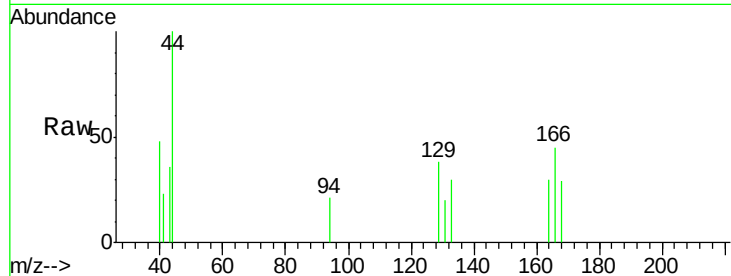
PB108612ZHE#03

Tgt Ion:129 Resp: 121

Ion Ratio Lower Upper

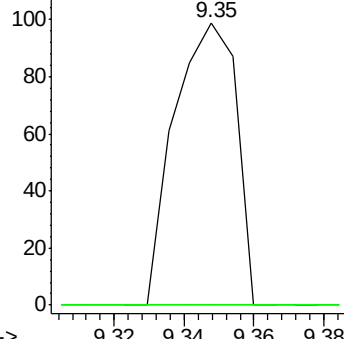
129 100

127 0.0 38.4 115.2#

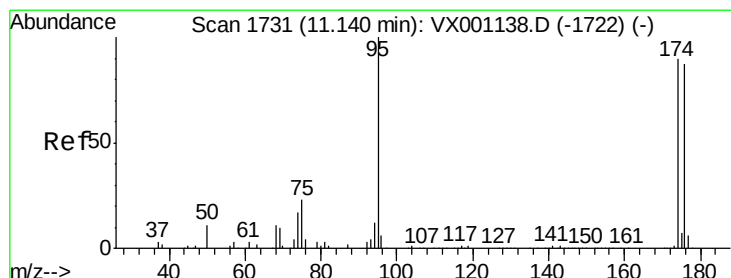
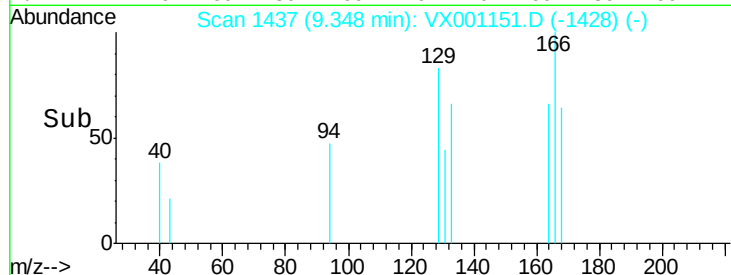


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 38.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001151.D

Acq: 27 Apr 2018 04:06

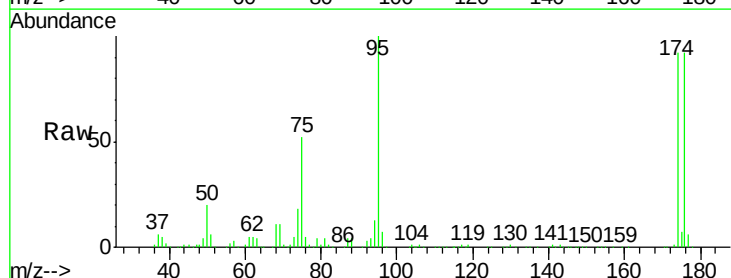
Tgt Ion: 95 Resp: 137912

Ion Ratio Lower Upper

95 100

174 99.5 0.0 194.4

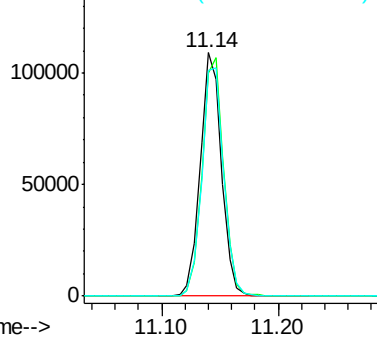
176 97.2 0.0 190.2



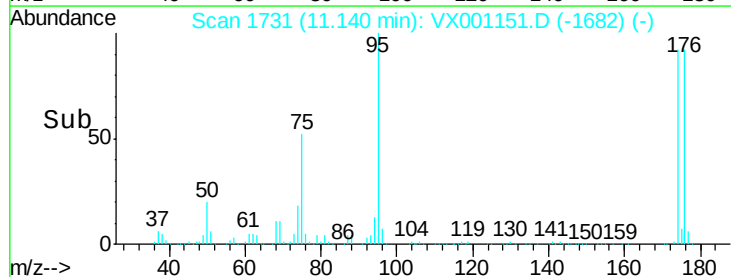
Abundance Ion 94.90 (94.60 to 95.60): VX0

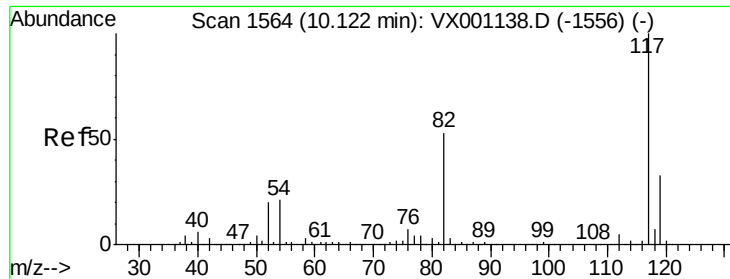
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

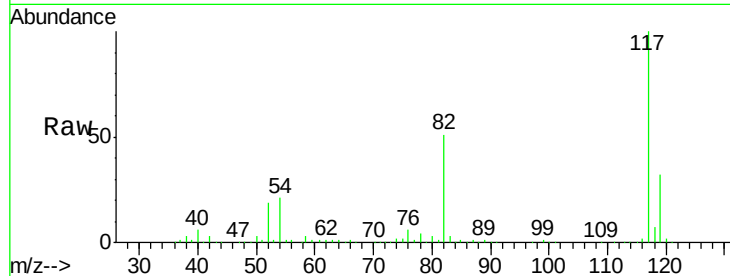




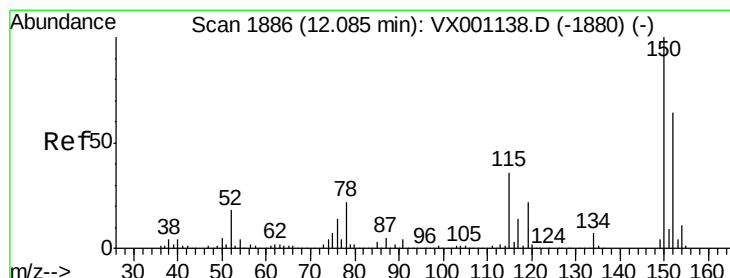
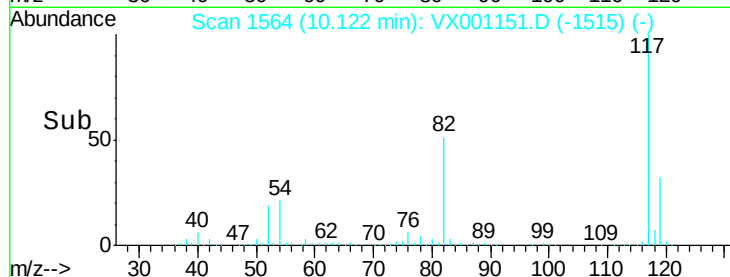
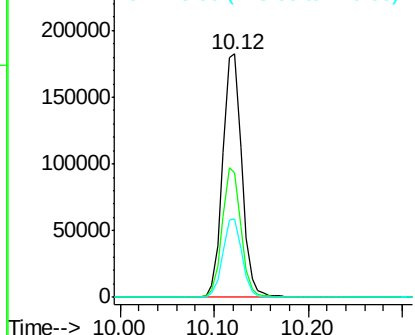
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#03

Tgt Ion:117 Resp: 257525
Ion Ratio Lower Upper
117 100
82 51.3 42.1 63.1
119 32.2 26.1 39.1

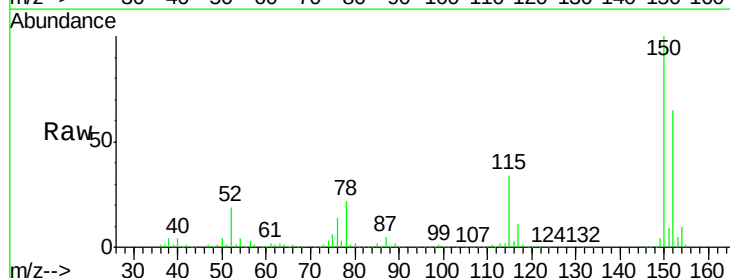


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

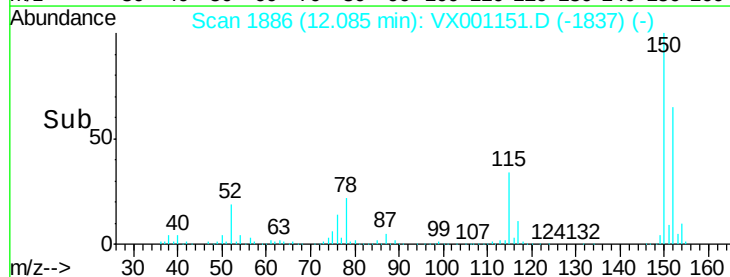
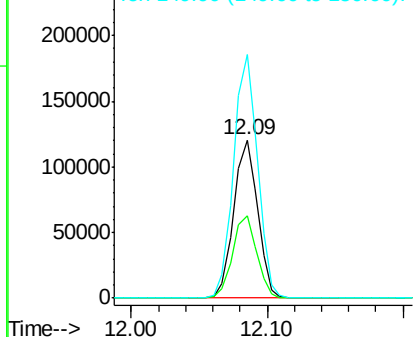


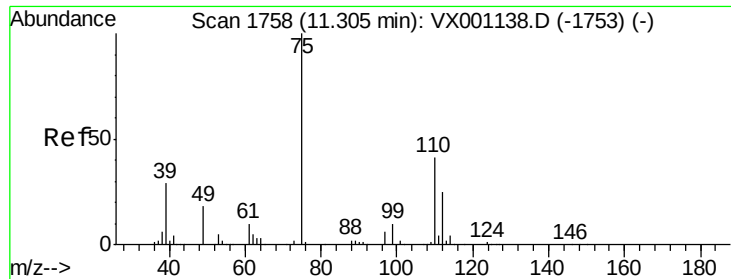
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001151.D
Acq: 27 Apr 2018 04:06

Tgt Ion:152 Resp: 147124
Ion Ratio Lower Upper
152 100
115 52.5 38.0 114.0
150 154.4 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

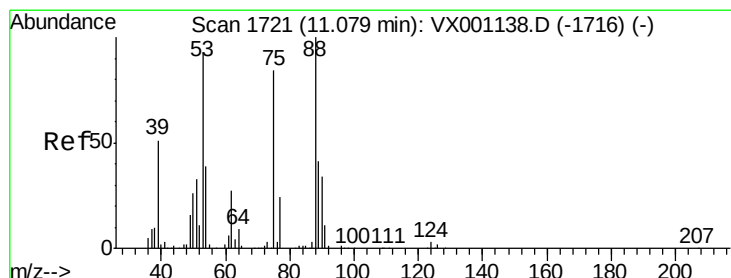
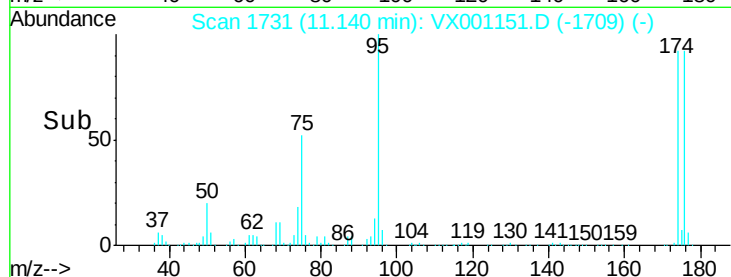
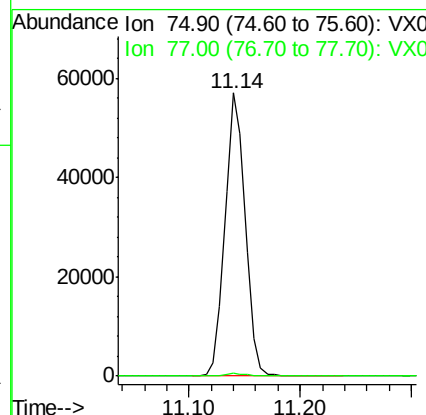
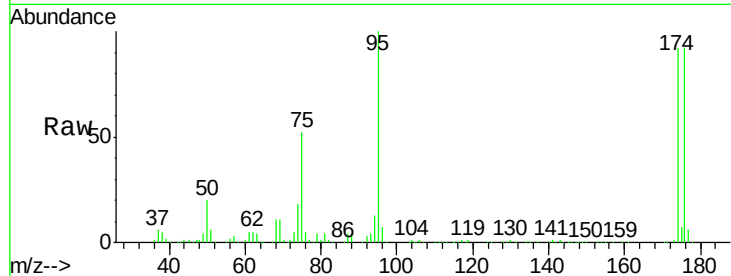




#76
 1,2,3-Trichloropropane
 Concen: 23.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001151.D
 Acq: 27 Apr 2018 04:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#03

Tgt Ion: 75 Resp: 71785
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.9 56.9#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001151.D
 Acq: 27 Apr 2018 04:06

Tgt Ion: 75 Resp: 71785
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.9 131.9#
 89 0.0 37.7 56.5#

