

Data File : VX001152.D
Acq On : 27 Apr 2018 04:32
Operator : JC/MD
Sample : PB108612ZHE#04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#04

Quant Time: Apr 27 07:24:31 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	214199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	290822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	252109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	132646	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	134087	40.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.76%	
35) Dibromofluoromethane	5.51	113	103965	43.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.38%	
50) Toluene-d8	8.72	98	400557	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	
62) 4-Bromofluorobenzene	11.14	95	132113	37.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.46%	

Target Compounds				Qvalue		
5) Bromomethane	1.62	94	23	Below Cal	#	3
10) Methyl Iodide	2.51	142	218	7.32	ug/l #	41
11) Tert butyl alcohol	3.03	59	450	0.69	ug/l #	85
13) Acrolein	2.29	56	224	0.90	ug/l #	44
16) Acetone	2.45	43	3350	2.45	ug/l	98
18) Methyl Acetate	2.78	43	4081	1.19	ug/l	97
20) Methylene Chloride	2.86	84	1202	0.47	ug/l #	85
25) 2-Butanone	4.73	43	951	0.47	ug/l	92
29) Tetrahydrofuran	5.18	42	524	0.40	ug/l #	54
31) Cyclohexane	5.67	56	3837	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12994	4.05	ug/l #	49
38) Carbon Tetrachloride	5.67	117	17932	5.46	ug/l #	16
54) cis-1,3-Dichloropropene	9.04	75	41	3.20	ug/l #	32
60) Dibromochloromethane	9.34	129	61	3.37	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	69260	25.64	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	69260	78.28	ug/l #	6

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

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ALS Vial : 25 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#04

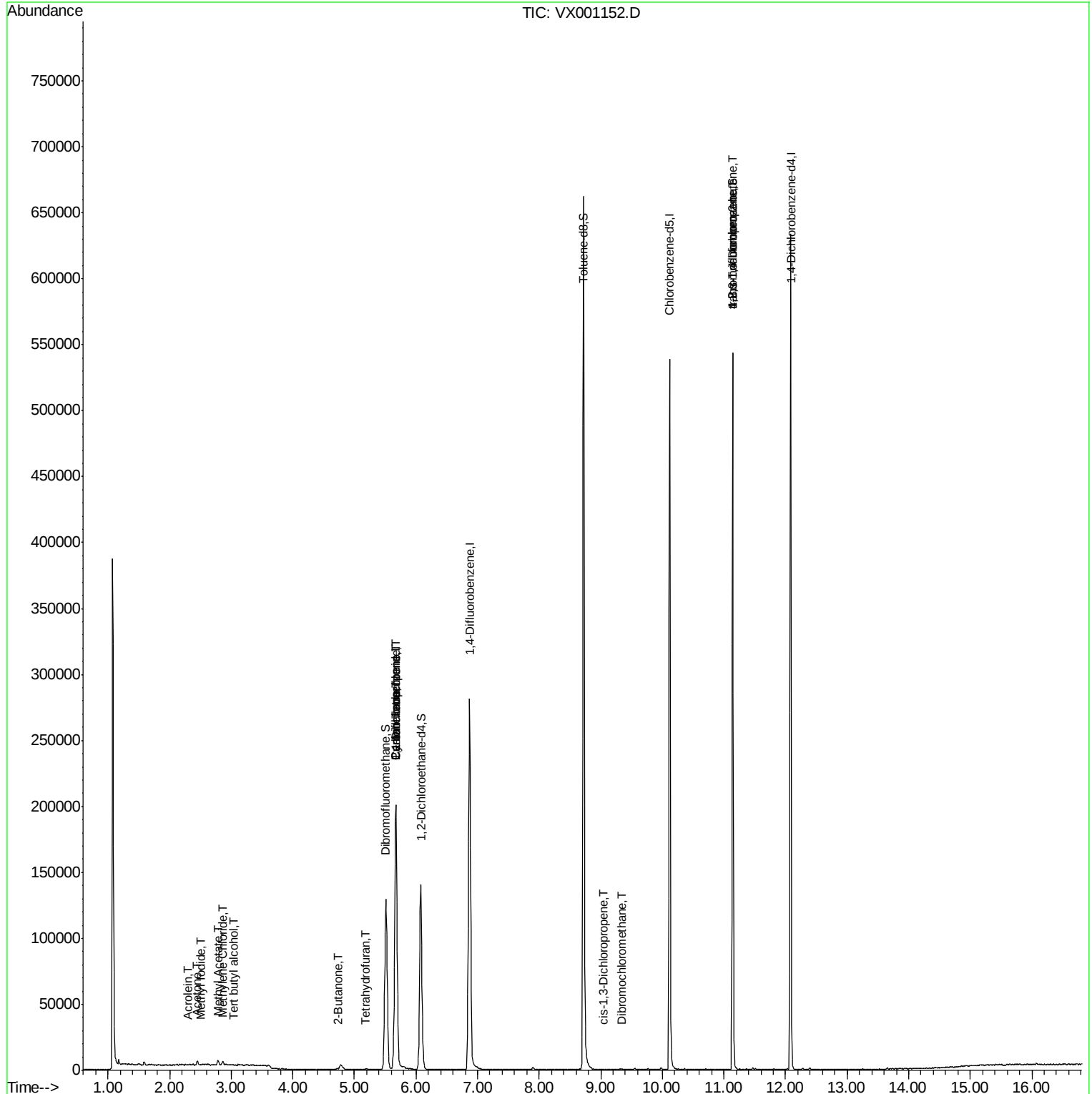
Quant Time: Apr 27 07:24:31 2018

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

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

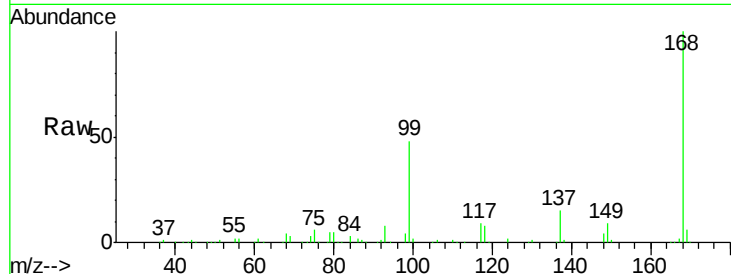
PB108612ZHE#04

Tgt Ion: 168 Resp: 214199

Ion Ratio Lower Upper

168 100

99 48.4 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

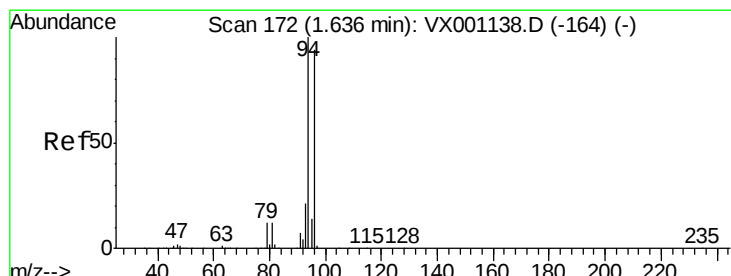
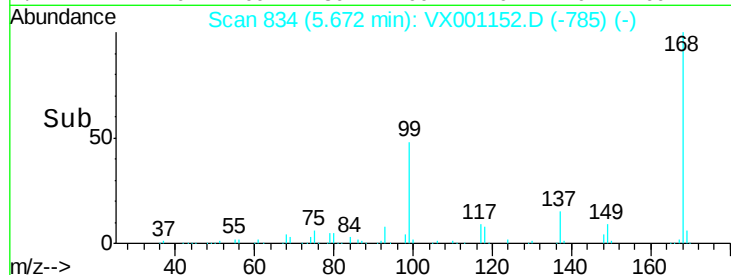
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 169

Delta R.T. -0.02 min

Lab File: VX001152.D

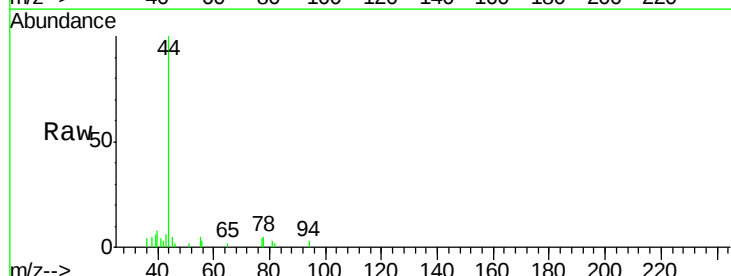
Acq: 27 Apr 2018 04:32

Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

94 100

96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

60

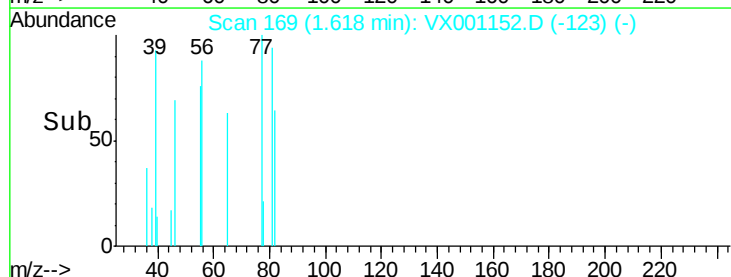
40

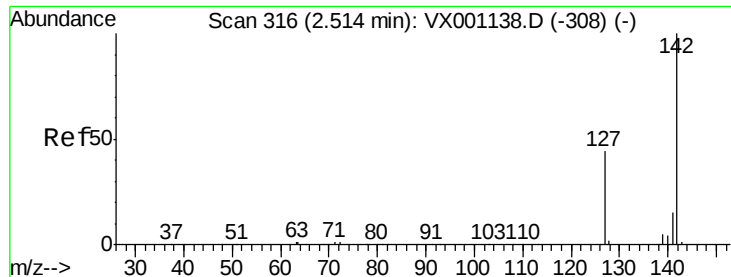
20

0

Time-->

1.61 1.62 1.63

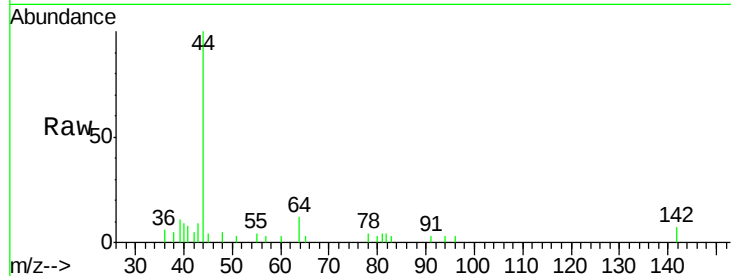




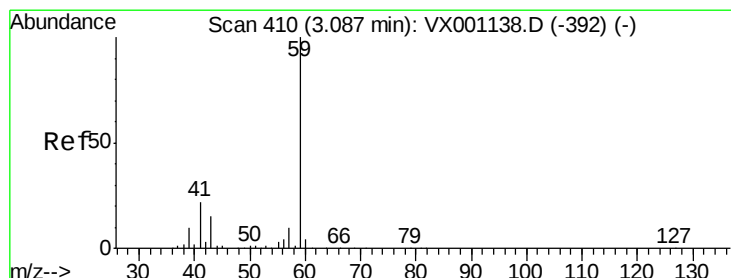
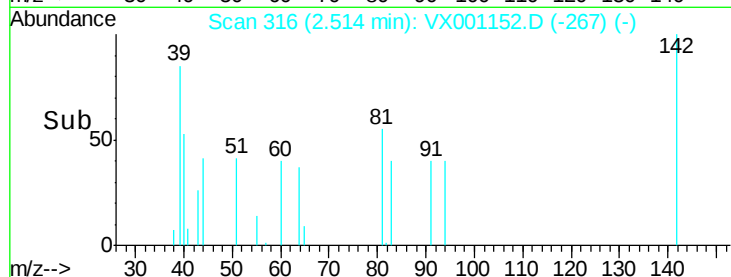
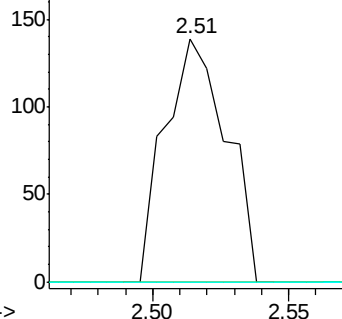
#10
Methyl Iodide
Concen: 7.32 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#04

Tgt Ion: 142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#

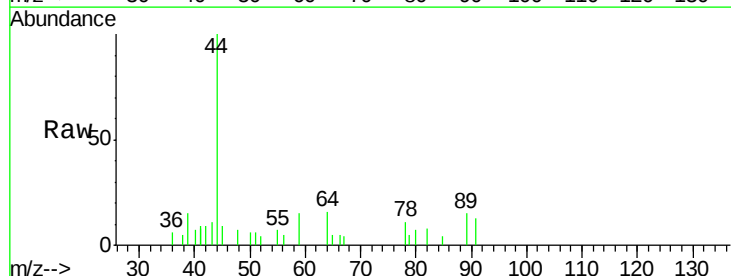


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

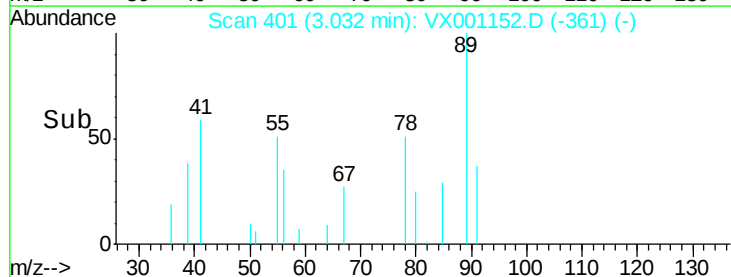
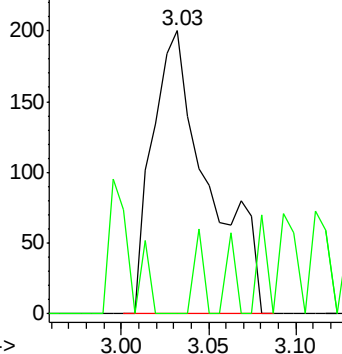


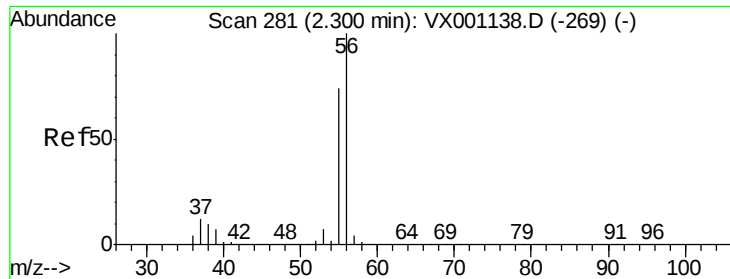
#11
Tert butyl alcohol
Concen: 0.69 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.05 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 4.9 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: 0.90 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

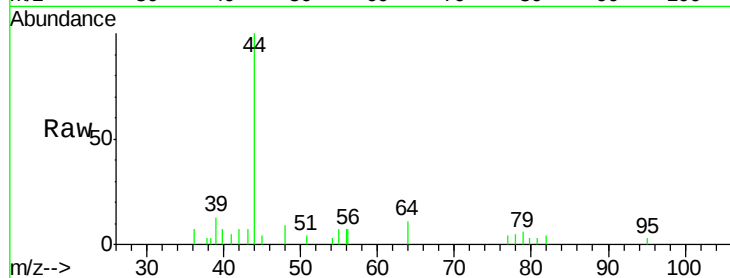
PB108612ZHE#04

Tgt Ion: 56 Resp: 224

Ion Ratio Lower Upper

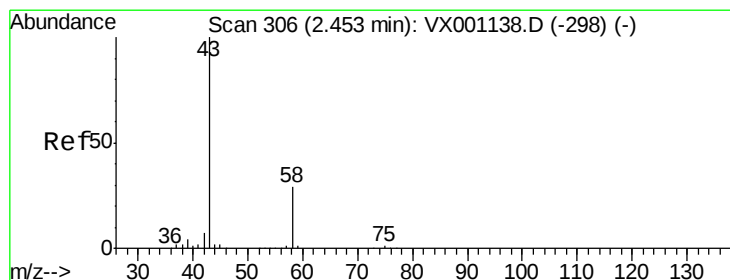
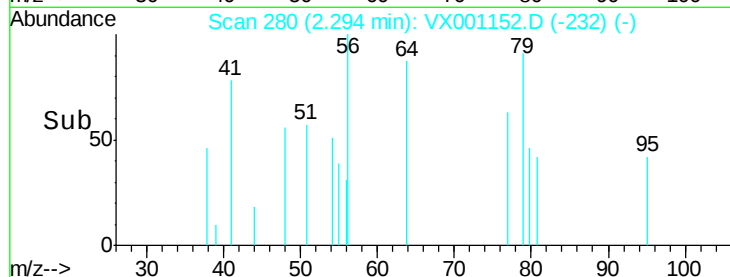
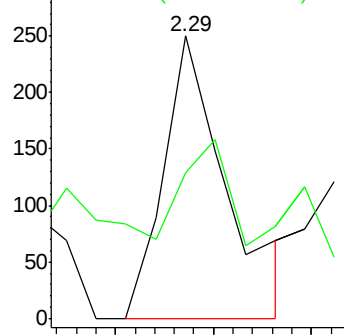
56 100

55 25.0 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: 2.45 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001152.D

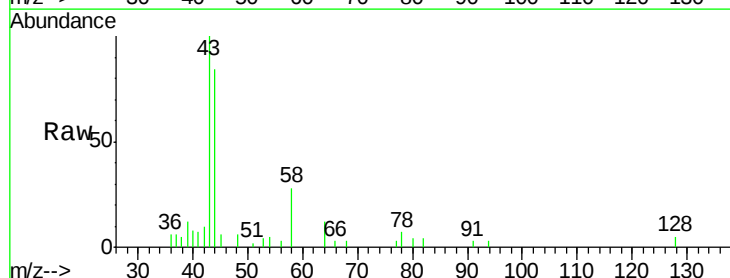
Acq: 27 Apr 2018 04:32

Tgt Ion: 43 Resp: 3350

Ion Ratio Lower Upper

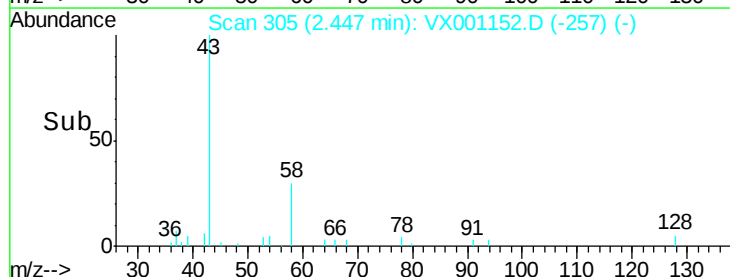
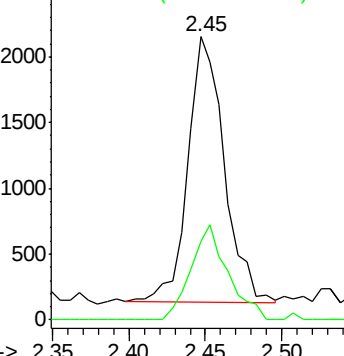
43 100

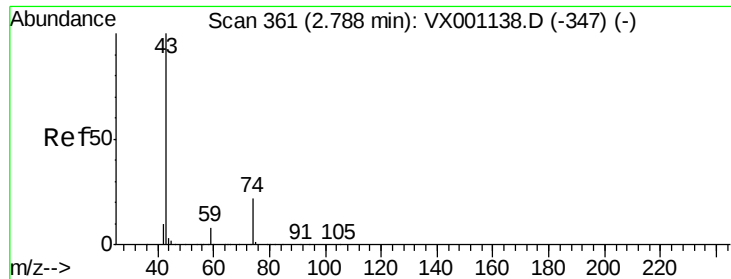
58 29.8 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

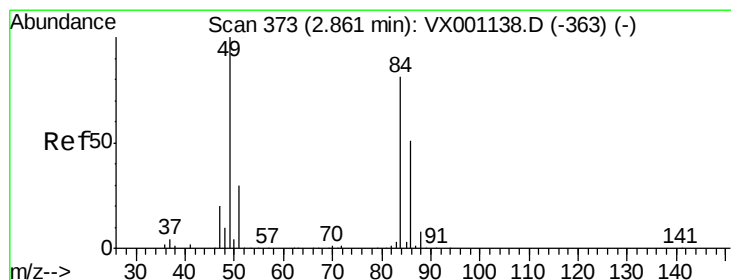
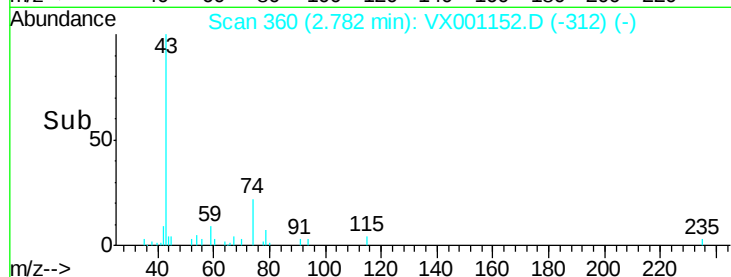
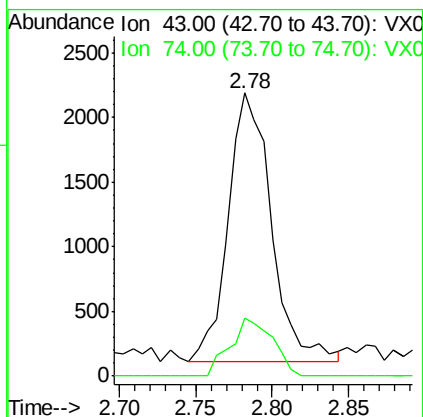
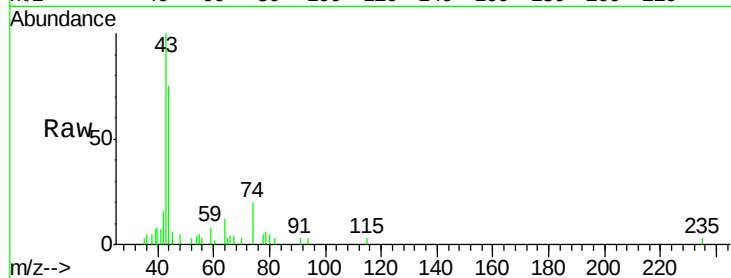




#18
Methyl Acetate
Concen: 1.19 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

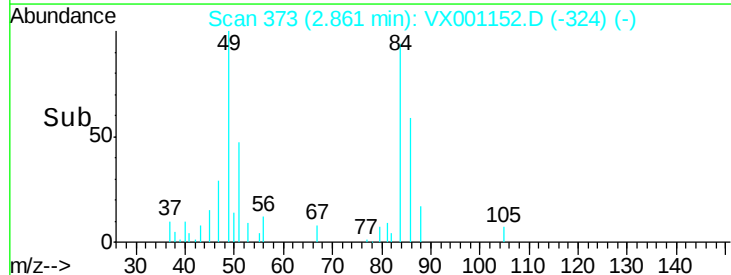
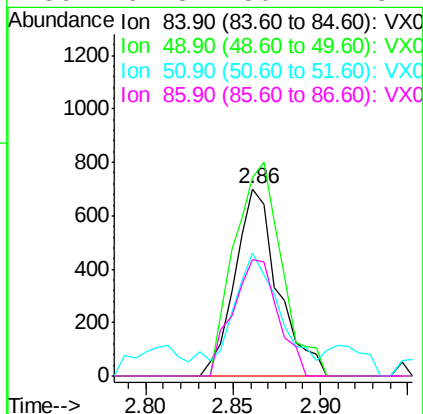
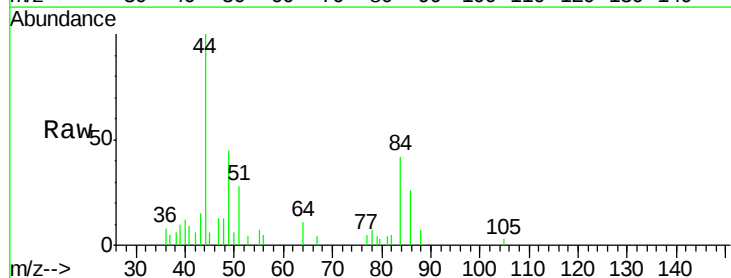
Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#04

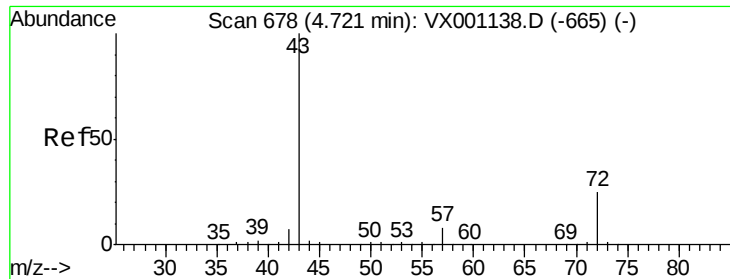
Tgt Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
74 21.1 18.1 27.1



#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Tgt Ion: 84 Resp: 1202
Ion Ratio Lower Upper
84 100
49 105.9 99.2 148.8
51 58.3 29.5 44.3#
86 62.3 50.2 75.2





#25

2-Butanone

Concen: 0.47 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

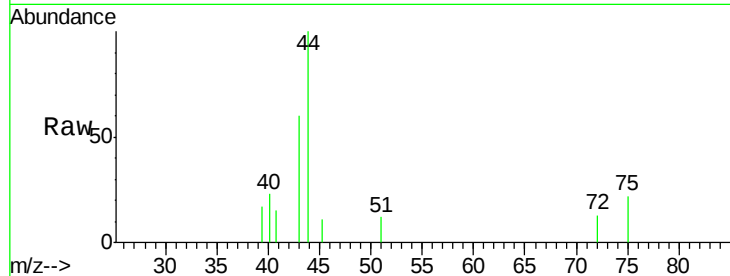
PB108612ZHE#04

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

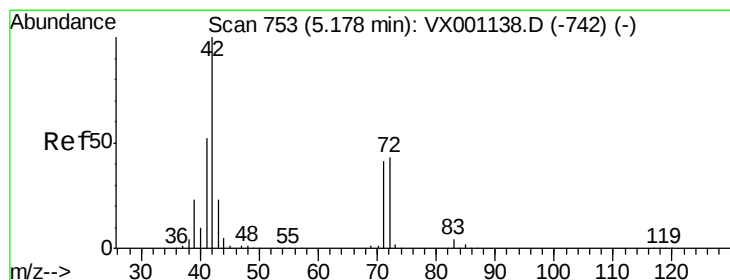
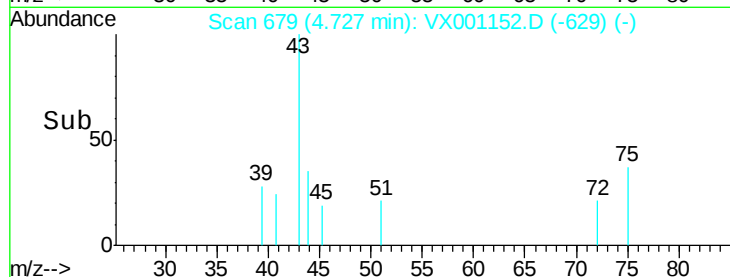
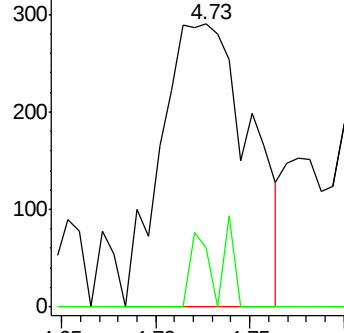
43 100

72 21.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

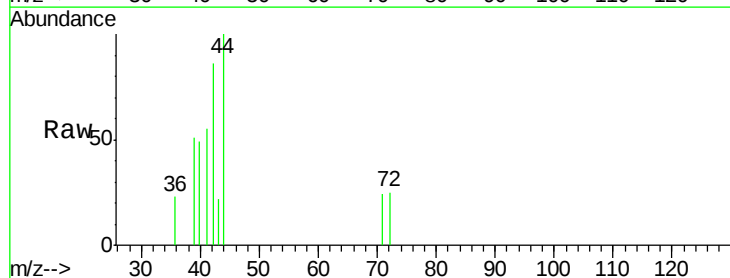
Tgt Ion: 42 Resp: 524

Ion Ratio Lower Upper

42 100

72 13.0 34.4 51.6#

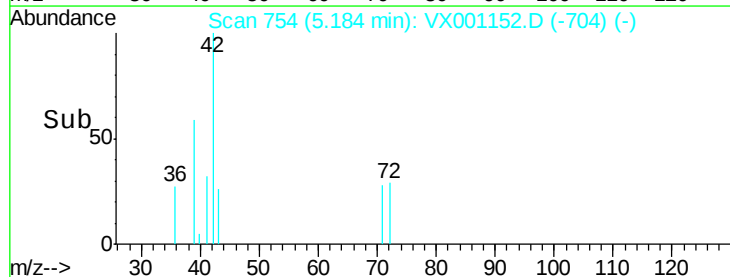
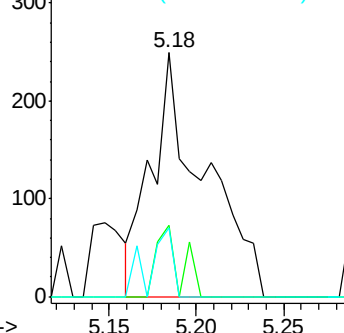
71 12.2 32.1 48.1#

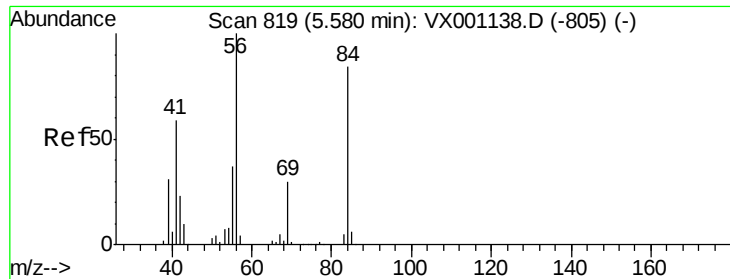


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

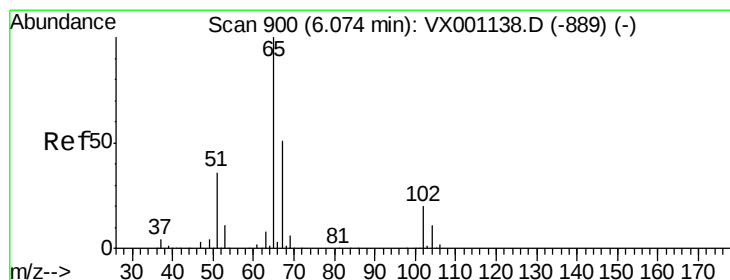
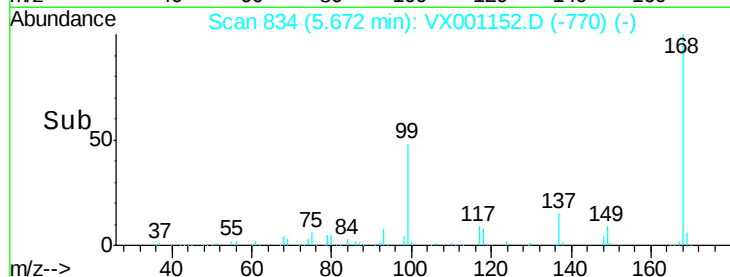
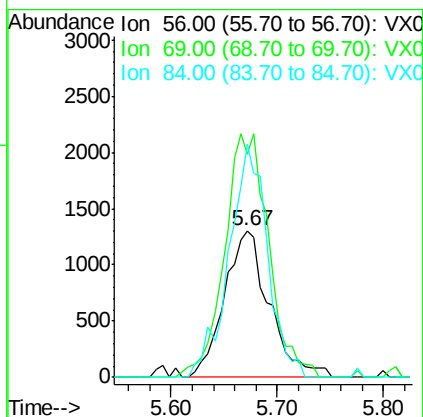
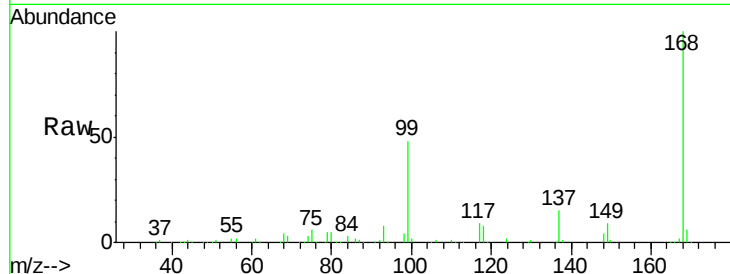




#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

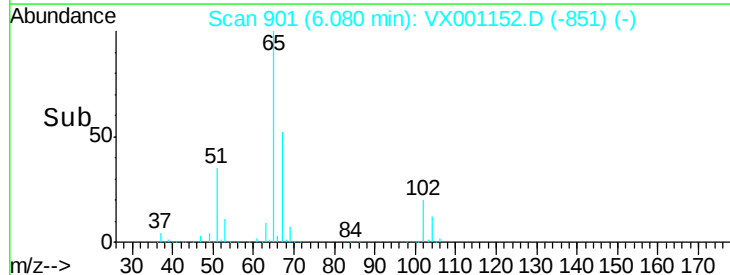
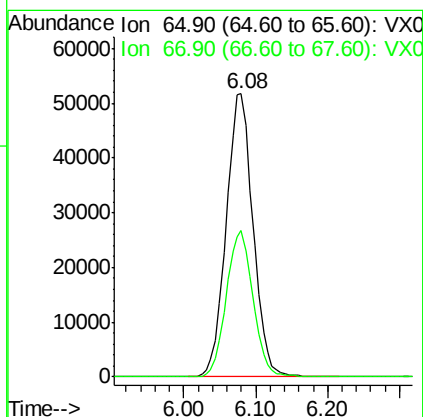
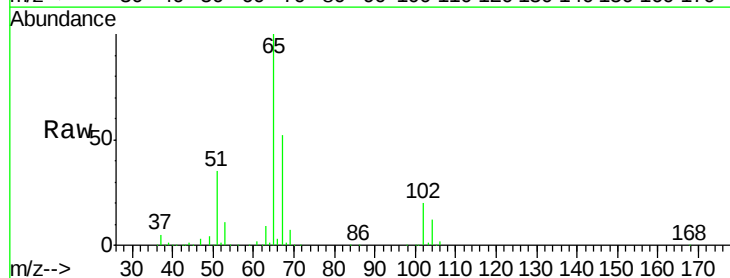
Instrument :
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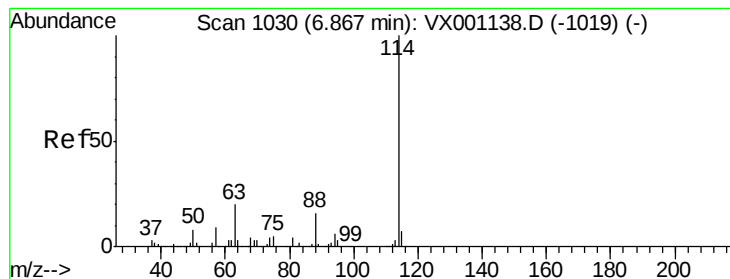
Tgt Ion: 56 Resp: 3837
Ion Ratio Lower Upper
56 100
69 151.9 24.2 36.2#
84 158.8 67.5 101.3#



#33
1,2-Dichloroethane-d4
Concen: 40.38 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Tgt Ion: 65 Resp: 134087
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

PB108612ZHE#04

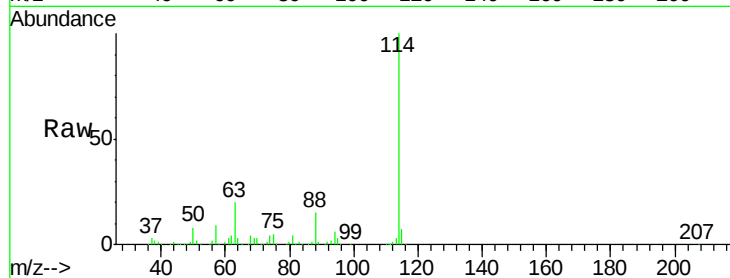
Tgt Ion:114 Resp: 290822

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

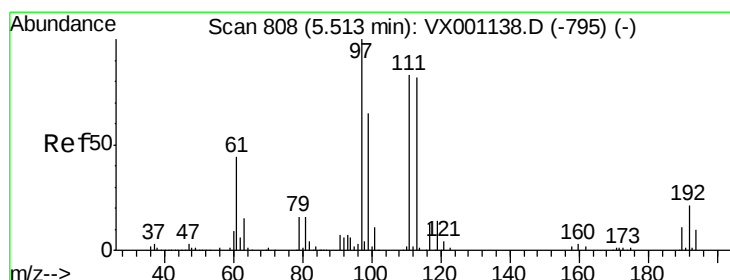
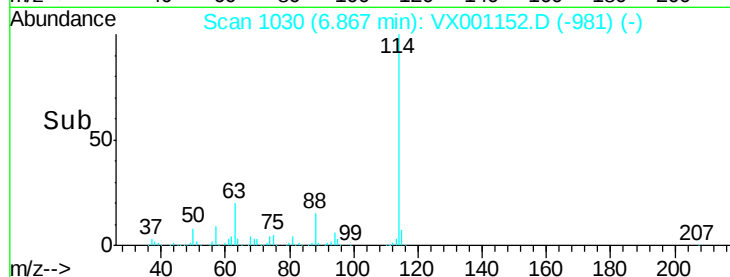
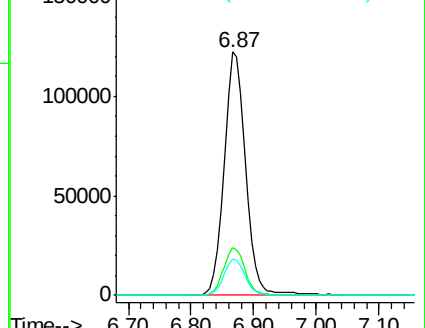
88 15.2 0.0 31.8



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: 43.19 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

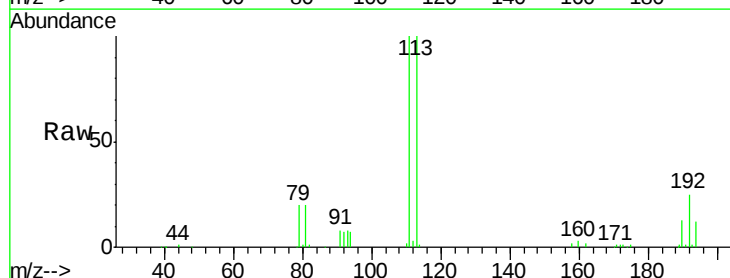
Tgt Ion:113 Resp: 103965

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

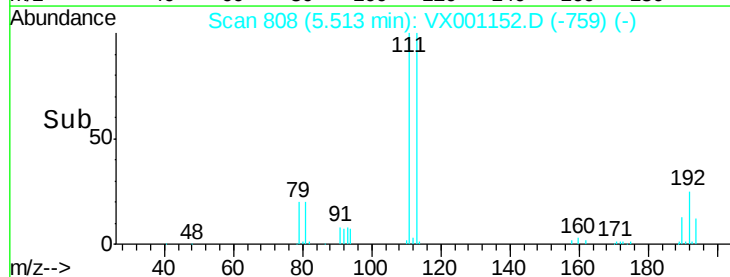
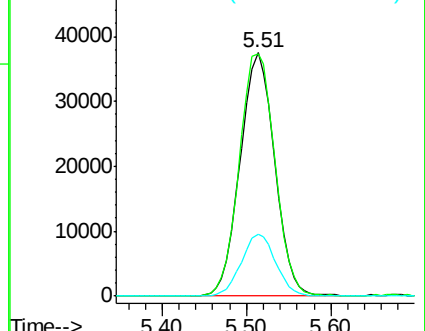
192 25.2 20.6 30.8

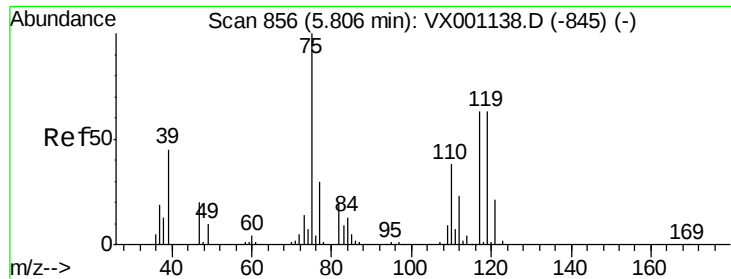


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

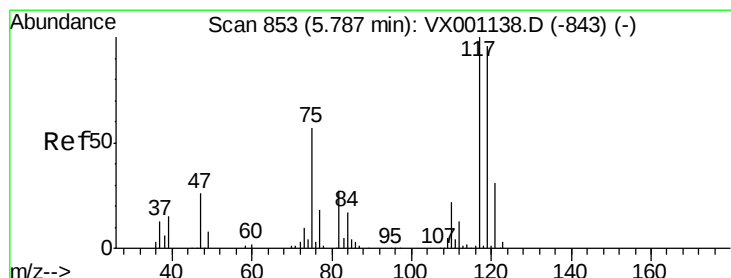
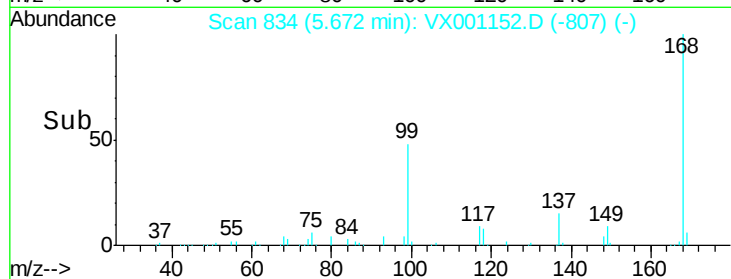
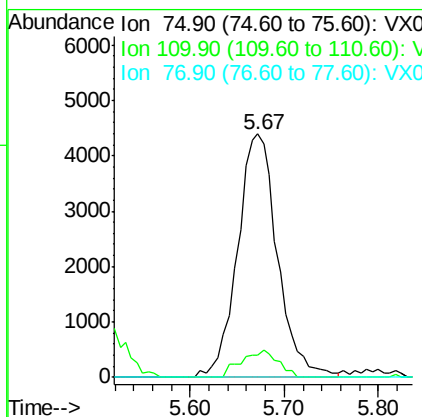
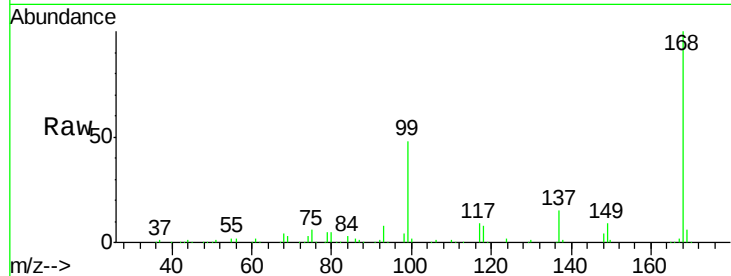




#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001152.D
 Acq: 27 Apr 2018 04:32

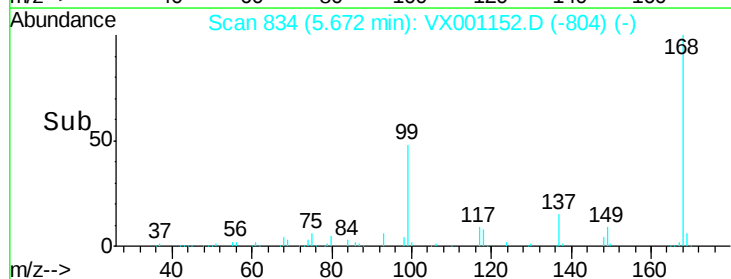
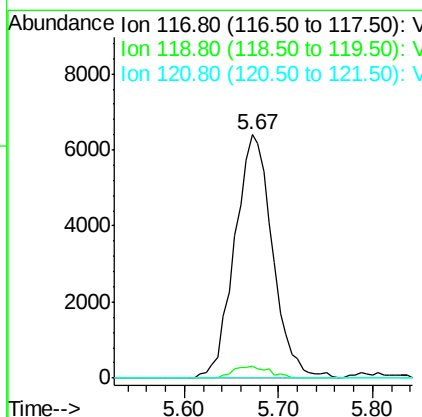
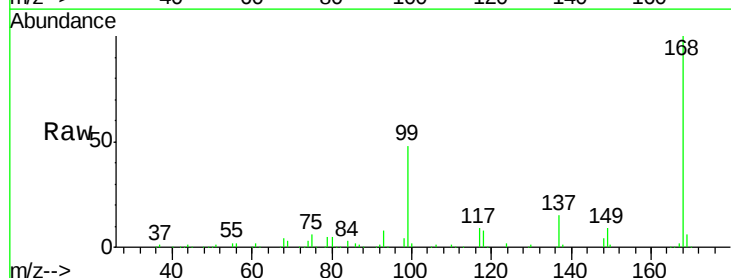
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108612ZHE#04

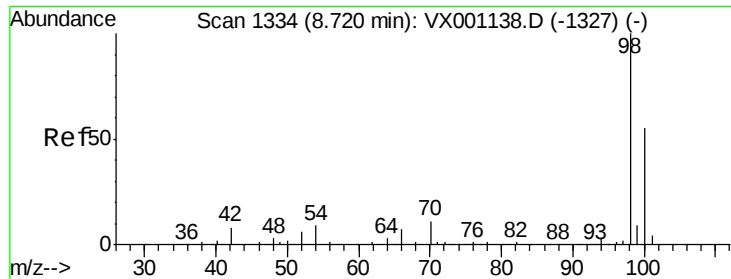
Tgt Ion: 75 Resp: 12994
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.0 57.0#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.46 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001152.D
 Acq: 27 Apr 2018 04:32

Tgt Ion: 117 Resp: 17932
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.5 114.7#
 121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 44.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

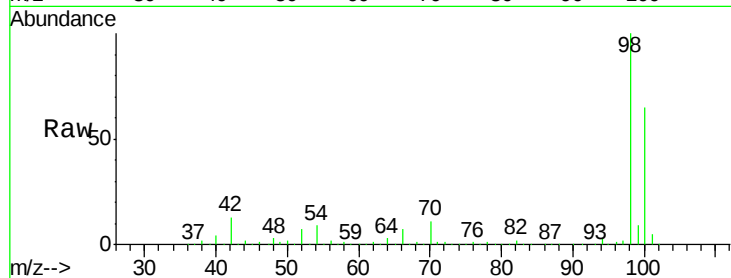
PB108612ZHE#04

Tgt Ion: 98 Resp: 400557

Ion Ratio Lower Upper

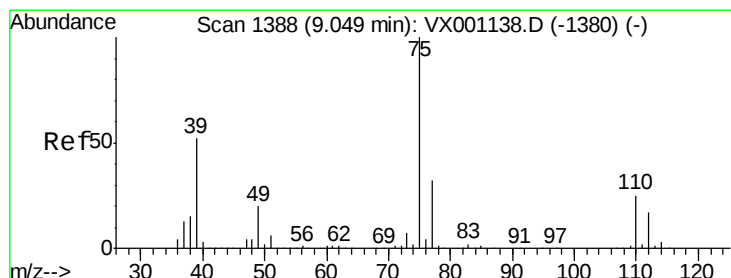
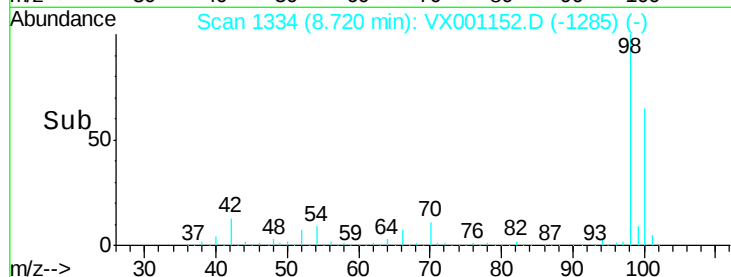
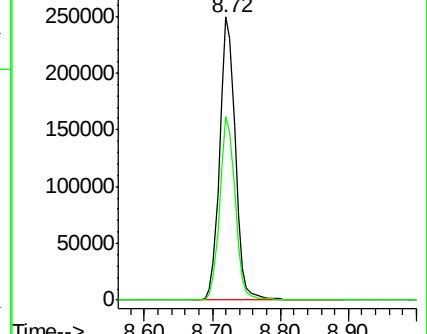
98 100

100 64.5 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.20 ug/l

RT: 9.04 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

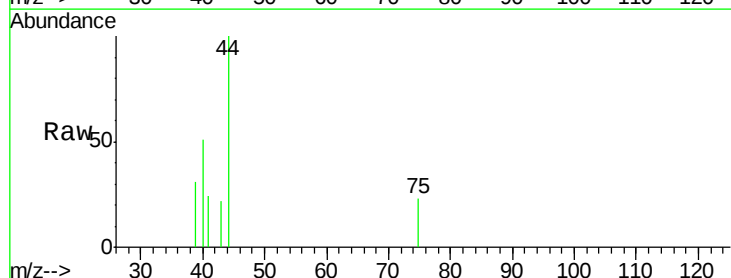
Tgt Ion: 75 Resp: 41

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

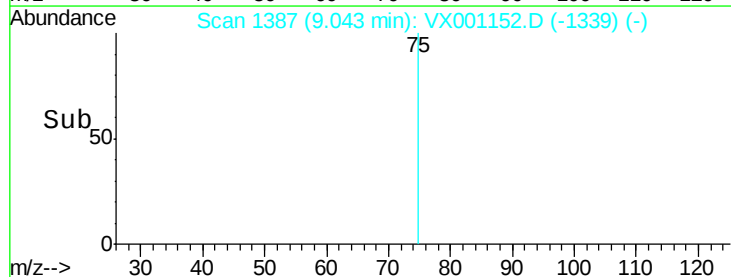
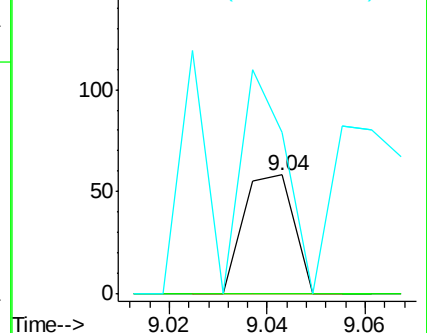
39 0.0 42.0 63.0#

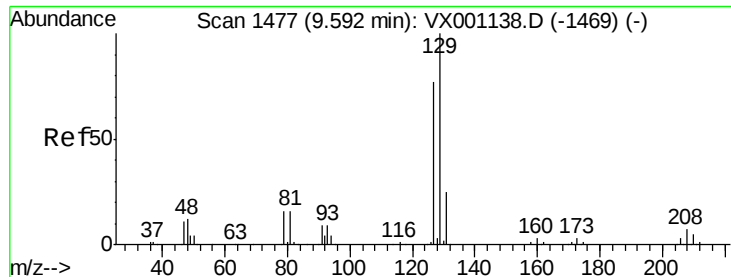


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.37 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

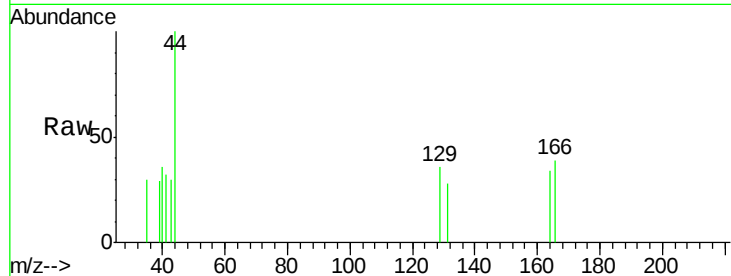
PB108612ZHE#04

Tgt Ion:129 Resp: 61

Ion Ratio Lower Upper

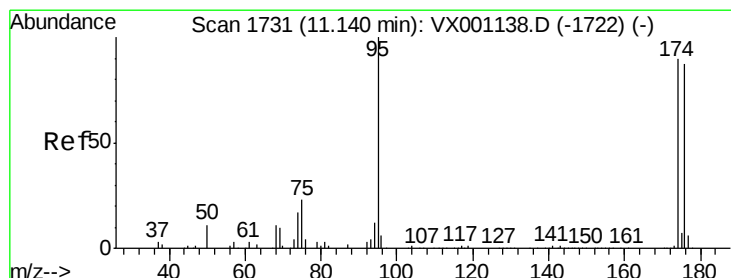
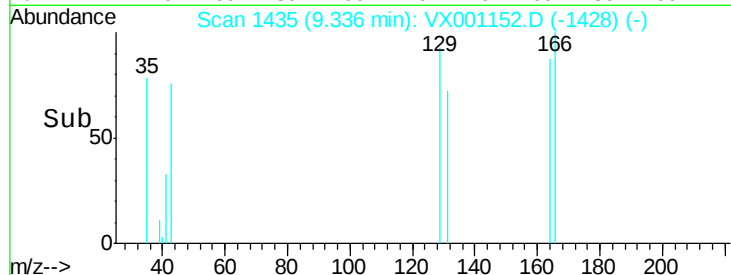
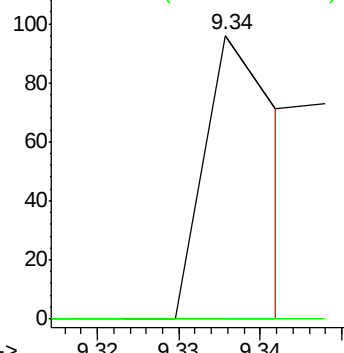
129 100

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



#62

4-Bromofluorobenzene

Concen: 37.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

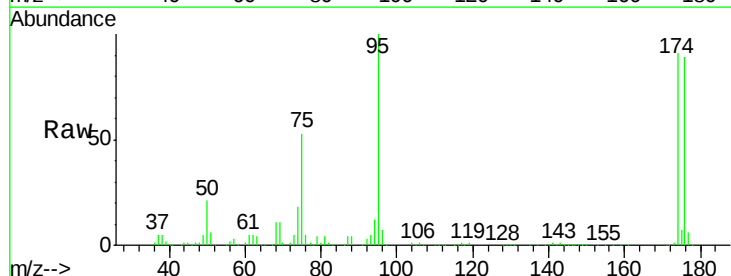
Tgt Ion: 95 Resp: 132113

Ion Ratio Lower Upper

95 100

174 99.5 0.0 194.4

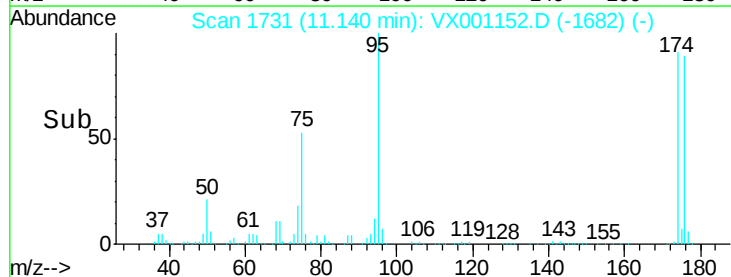
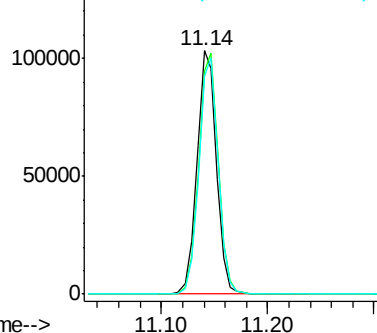
176 96.6 0.0 190.2

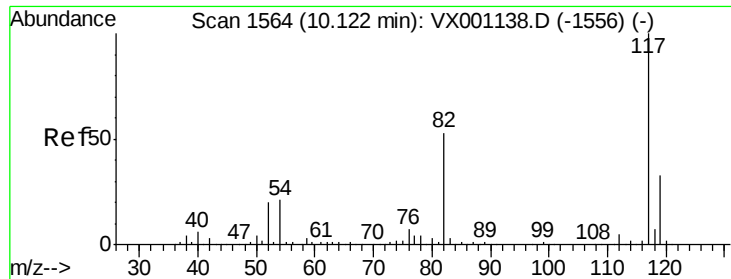


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

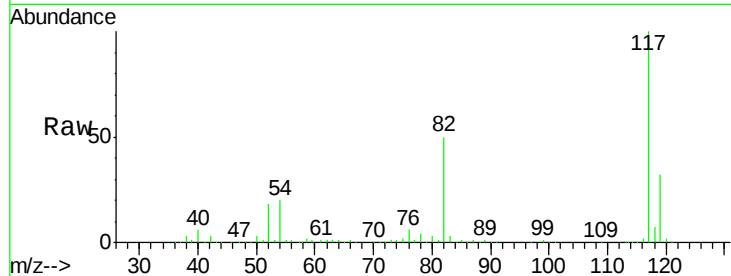




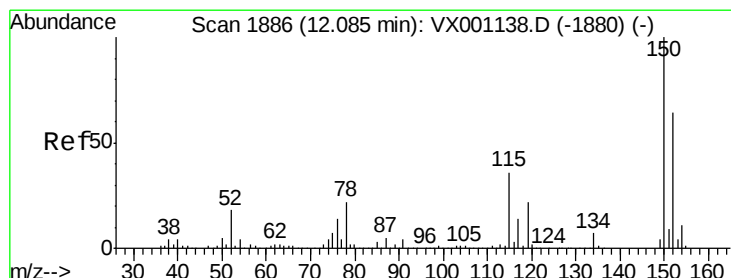
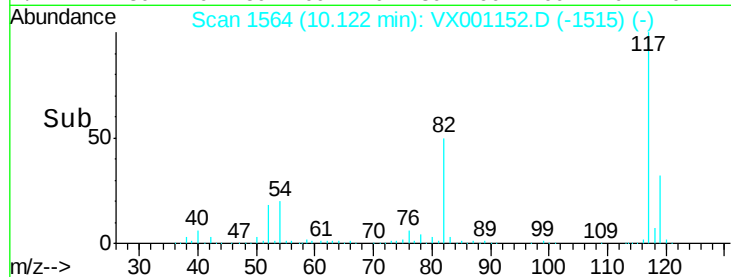
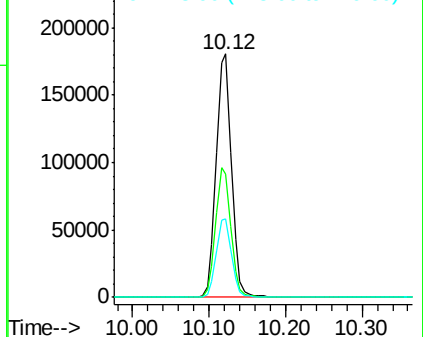
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Instrument :
MSVOA_X
ClientSampleId :
PB108612ZHE#04

Tgt Ion:117 Resp: 252109
Ion Ratio Lower Upper
117 100
82 50.4 42.1 63.1
119 32.5 26.1 39.1

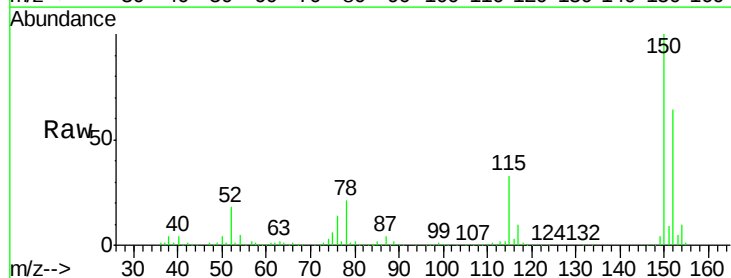


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

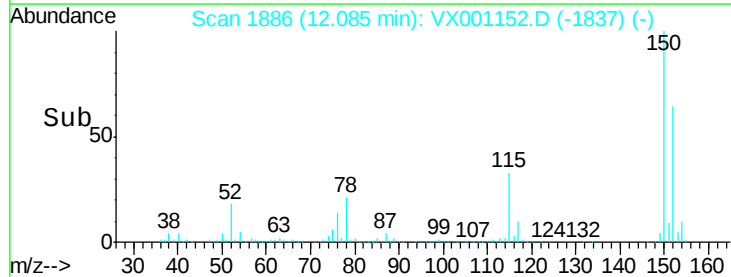
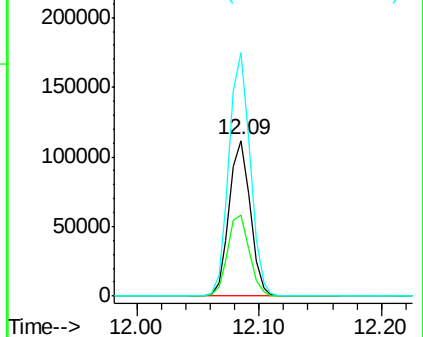


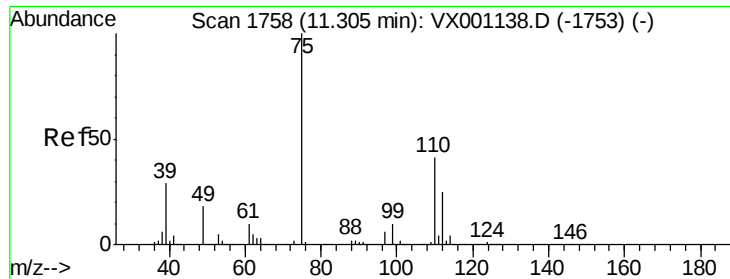
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001152.D
Acq: 27 Apr 2018 04:32

Tgt Ion:152 Resp: 132646
Ion Ratio Lower Upper
152 100
115 53.9 38.0 114.0
150 157.4 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: 25.64 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

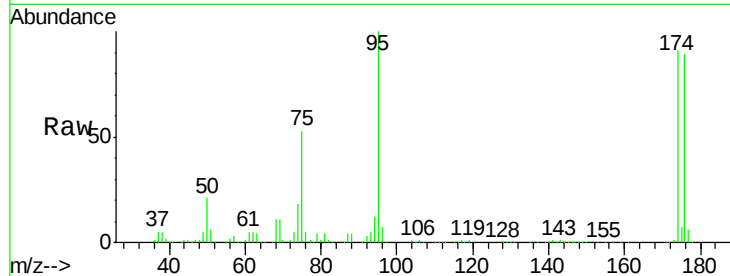
PB108612ZHE#04

Tgt Ion: 75 Resp: 69260

Ion Ratio Lower Upper

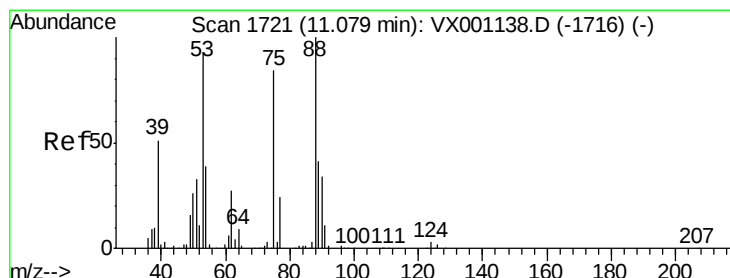
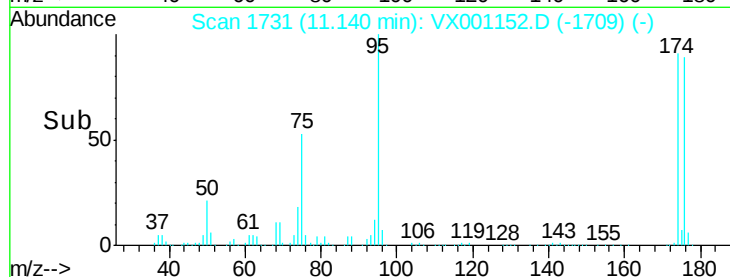
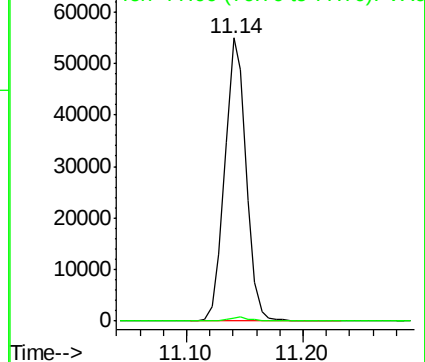
75 100

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: 78.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001152.D

Acq: 27 Apr 2018 04:32

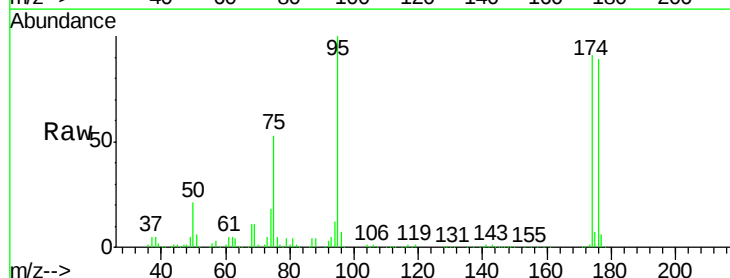
Tgt Ion: 75 Resp: 69260

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

