

Data File : VX001295.D
Acq On : 01 May 2018 23:53
Operator : JC/MD
Sample : PB108752TBZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#03

Quant Time: May 02 02:11:10 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
Quant Title : SW846 8260
QLast Update : Wed May 02 01:48:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	167436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	220221	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	200694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	113138	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	102313	44.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.28%	
35) Dibromofluoromethane	5.51	113	84434	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
50) Toluene-d8	8.72	98	315439	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.14	95	104179	38.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.86%	

Target Compounds				Qvalue		
3) Chloromethane	1.33	50	453	0.25	ug/l	94
5) Bromomethane	1.65	94	1028	Below	Cal	# 68
6) Chloroethane	1.74	64	360	0.30	ug/l	90
10) Methyl Iodide	2.52	142	1370	4.95	ug/l	98
11) Tert butyl alcohol	3.07	59	161	0.40	ug/l	# 72
13) Acrolein	2.30	56	205	0.89	ug/l	# 1
16) Acetone	2.45	43	8453	8.54	ug/l	93
18) Methyl Acetate	2.78	43	15941	6.82	ug/l	98
20) Methylene Chloride	2.86	84	3910	0.62	ug/l	90
25) 2-Butanone	4.71	43	1840	1.38	ug/l	93
29) Tetrahydrofuran	5.18	42	737	0.90	ug/l	# 61
31) Cyclohexane	5.67	56	2917	1.02	ug/l	# 39
36) 1,1-Dichloropropene	5.67	75	10064	3.96	ug/l	# 45
38) Carbon Tetrachloride	5.67	117	14049	5.28	ug/l	# 18
76) 1,2,3-Trichloropropane	11.14	75	53236	25.45	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.14	75	53236	79.97	ug/l	# 6

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

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MSVOA_X

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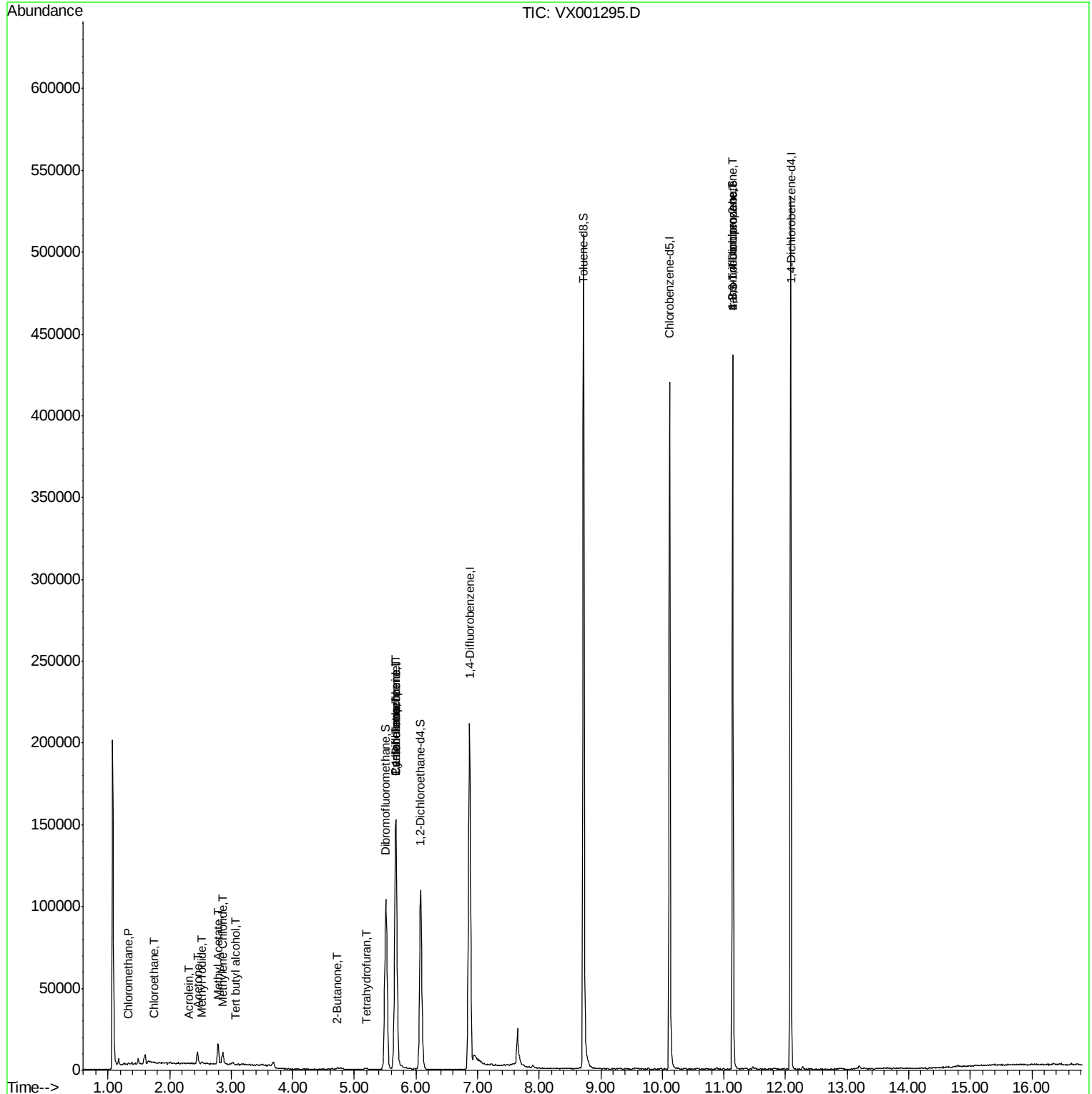
Quant Time: May 02 02:11:10 2018

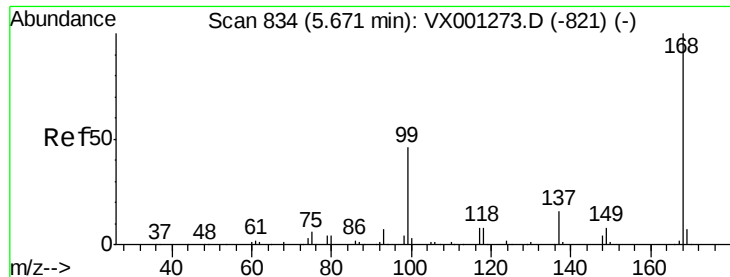
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 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 :

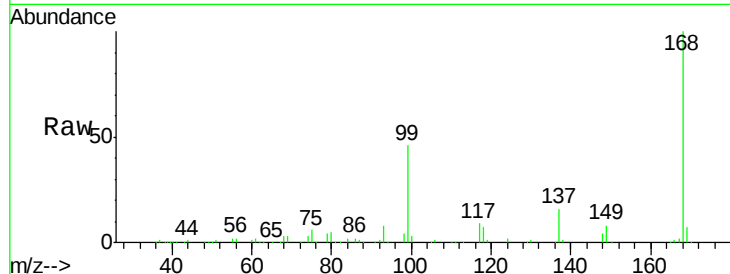
PB108752TBZHE#03

Tgt Ion:168 Resp: 167436

Ion Ratio Lower Upper

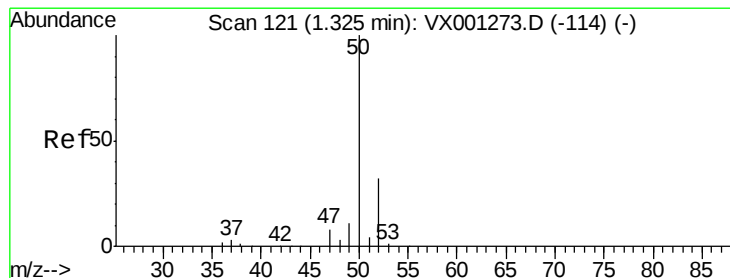
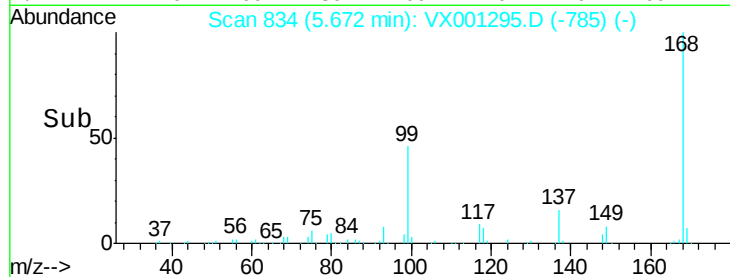
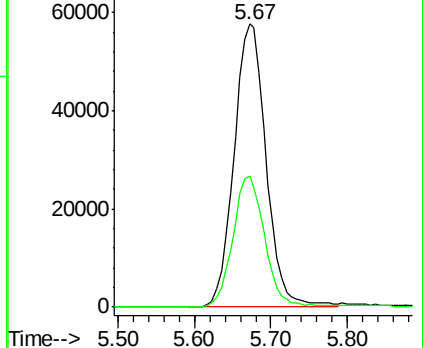
168 100

99 46.3 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX001295.D

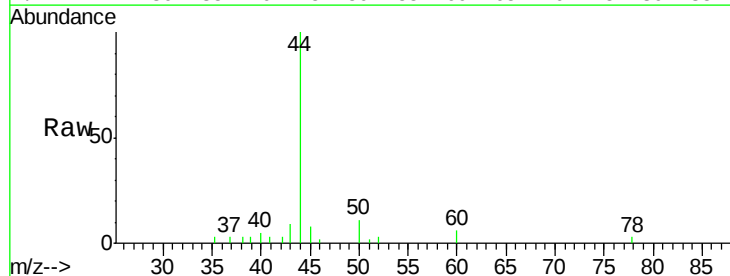
Acq: 01 May 2018 23:53

Tgt Ion: 50 Resp: 453

Ion Ratio Lower Upper

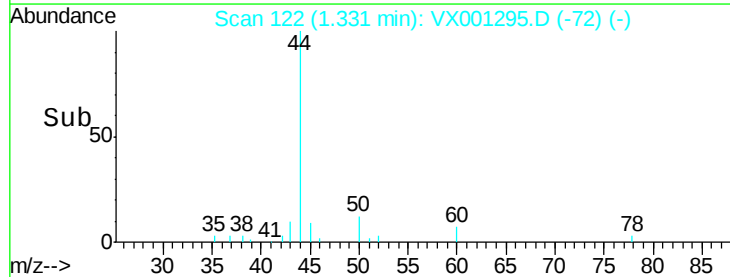
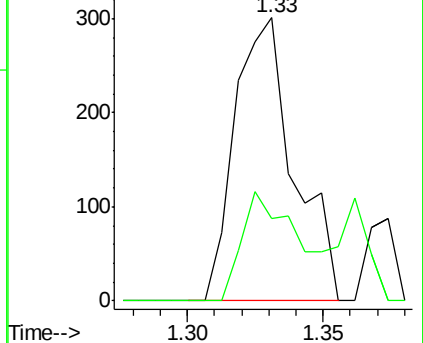
50 100

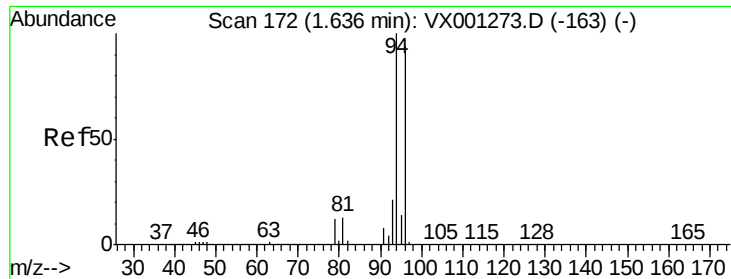
52 28.9 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

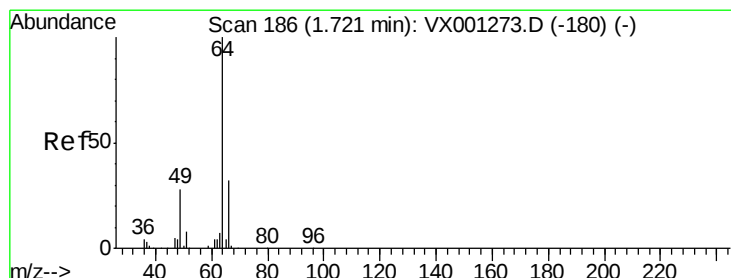
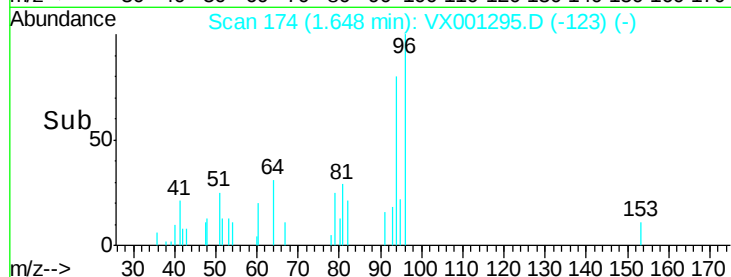
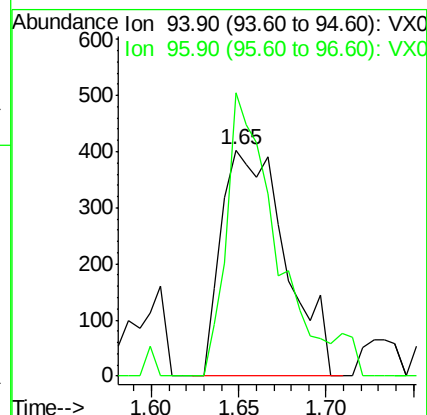
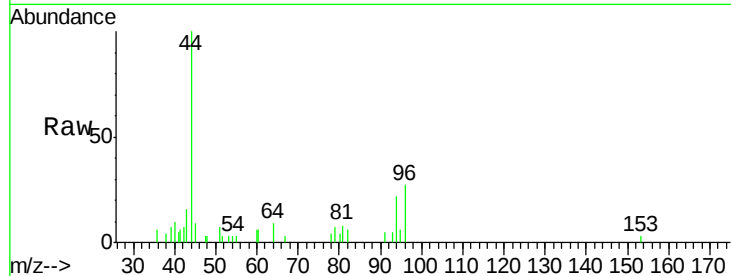
PB108752TBZHE#03

Tgt Ion: 94 Resp: 1028

Ion Ratio Lower Upper

94 100

96 125.1 75.6 113.4#



#6

Chloroethane

Concen: 0.30 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX001295.D

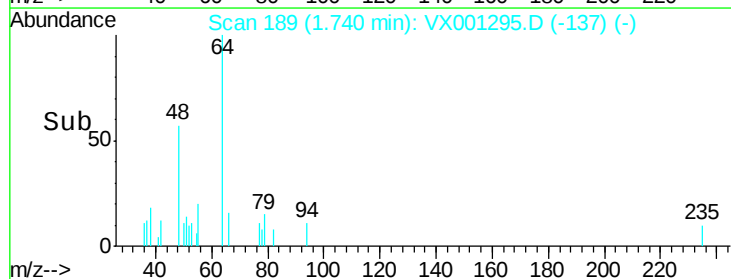
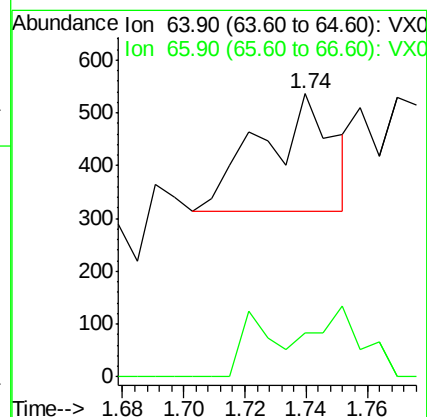
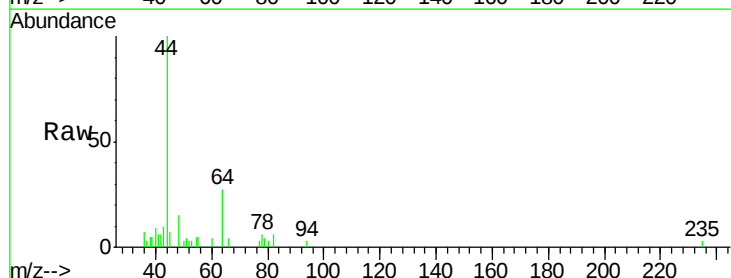
Acq: 01 May 2018 23:53

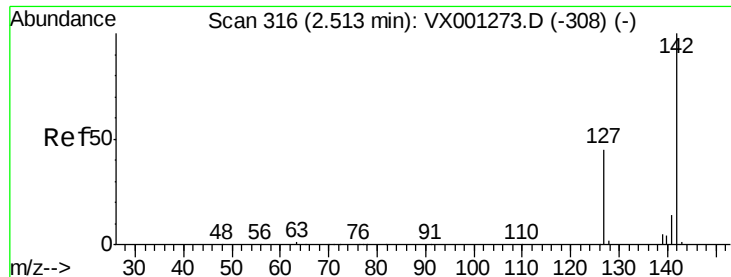
Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

64 100

66 37.8 25.7 38.5

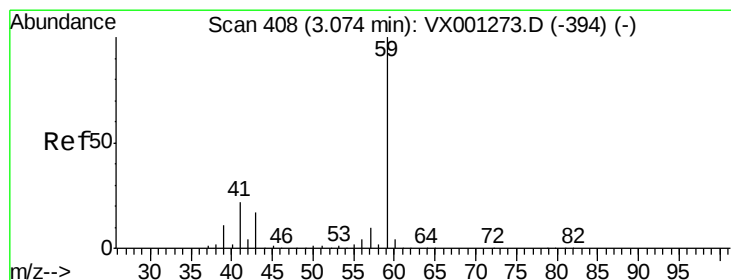
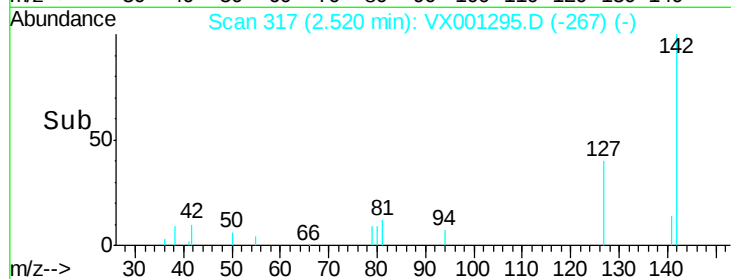
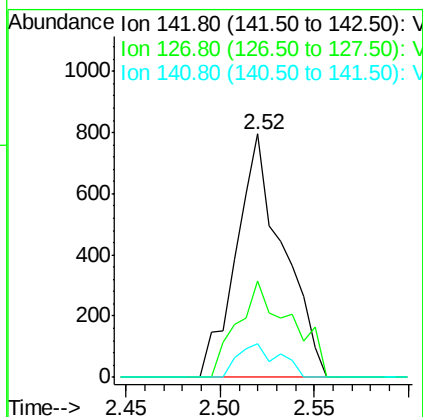
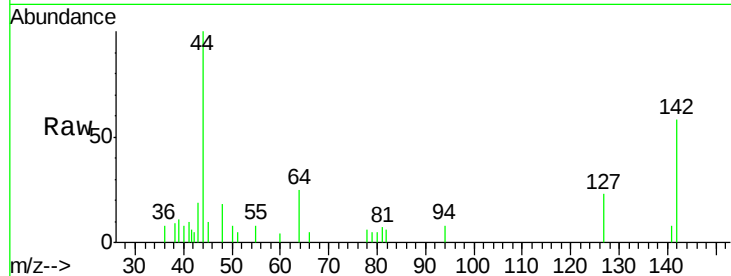




#10
Methyl Iodide
Concen: 4.95 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

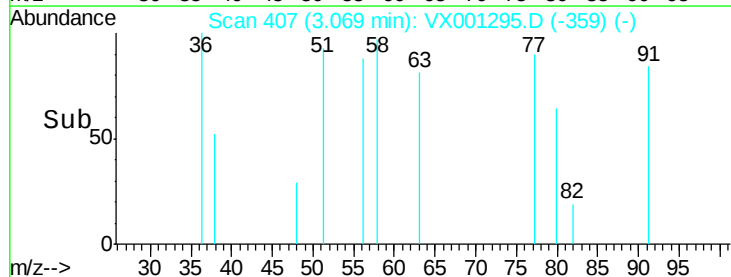
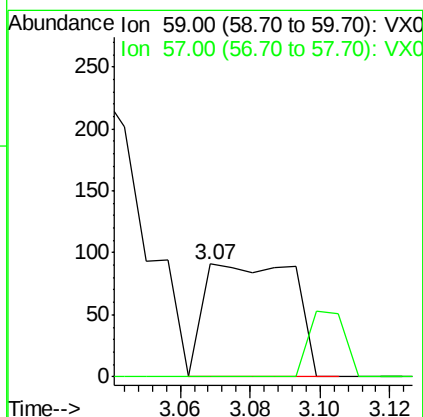
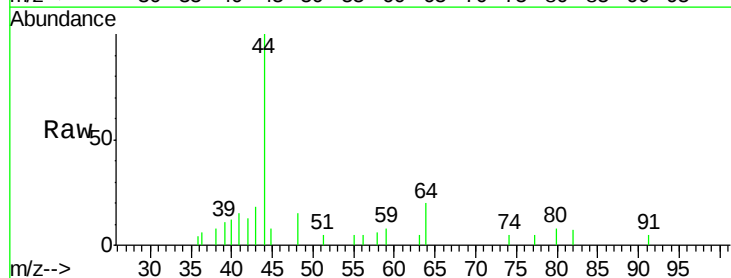
Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#03

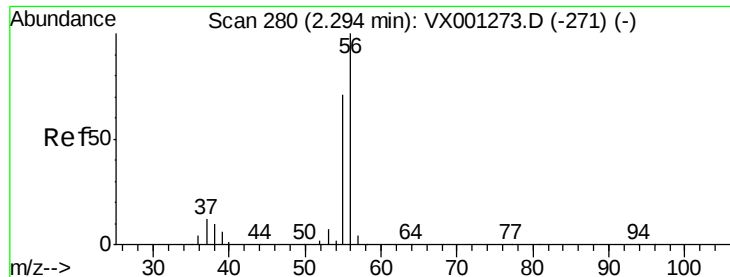
Tgt Ion: 142 Resp: 1370
Ion Ratio Lower Upper
142 100
127 45.2 35.7 53.5
141 12.0 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

Tgt Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.89 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

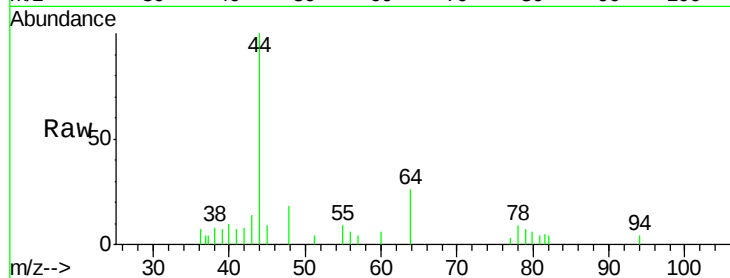
PB108752TBZHE#03

Tgt Ion: 56 Resp: 205

Ion Ratio Lower Upper

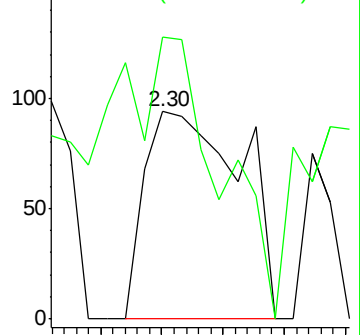
56 100

55 207.3 57.2 85.8#

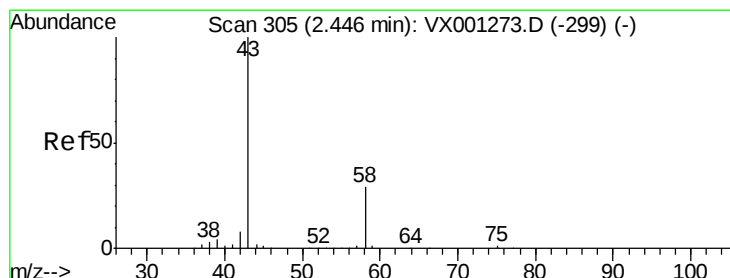
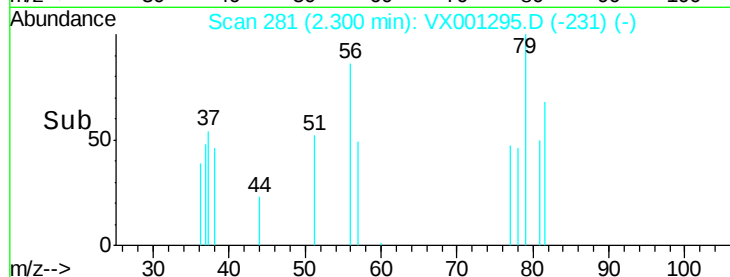


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 8.54 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001295.D

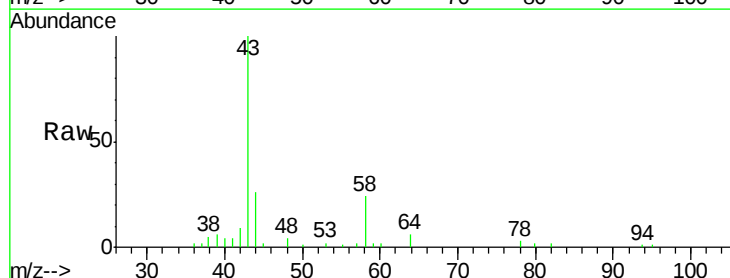
Acq: 01 May 2018 23:53

Tgt Ion: 43 Resp: 8453

Ion Ratio Lower Upper

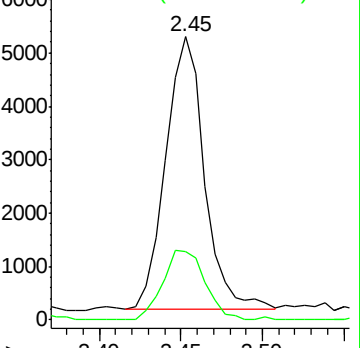
43 100

58 25.0 22.8 34.2

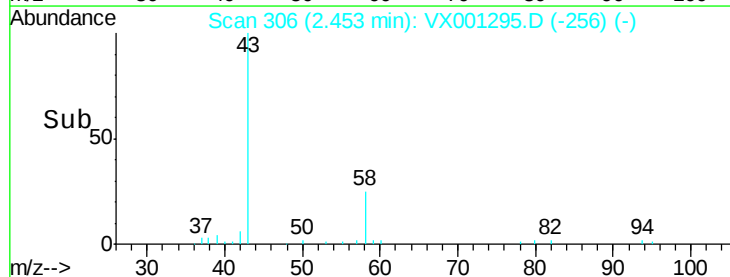


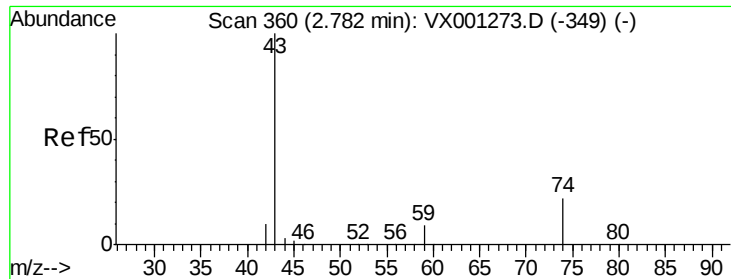
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

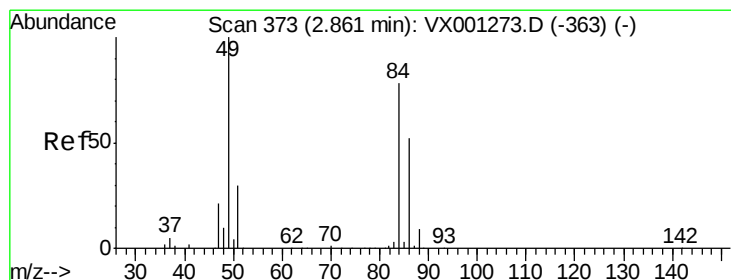
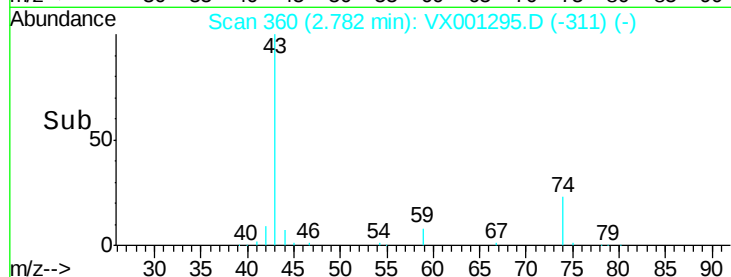
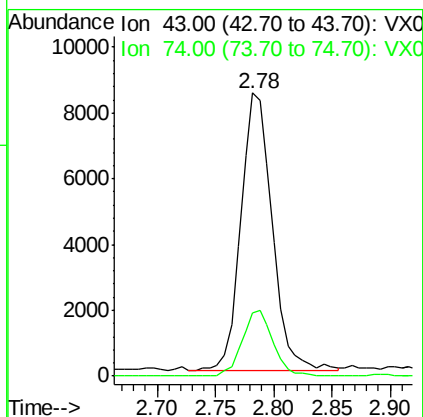
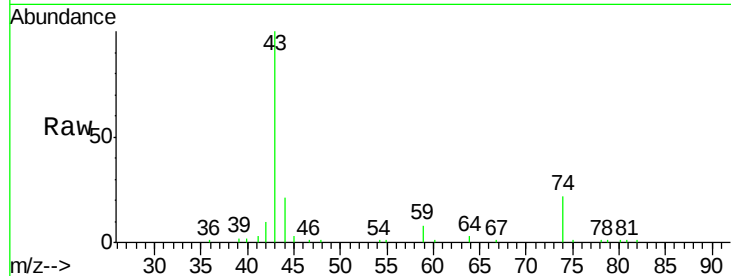




#18
Methyl Acetate
Concen: 6.82 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

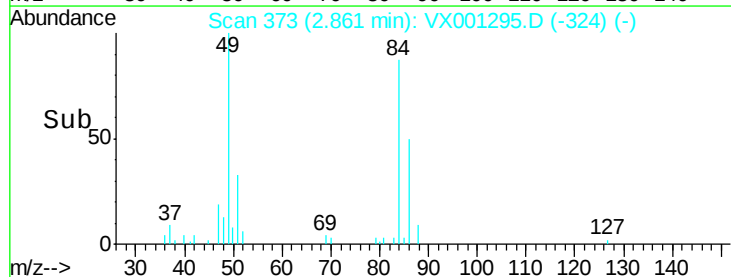
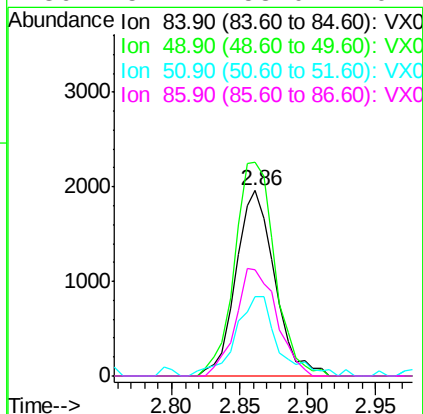
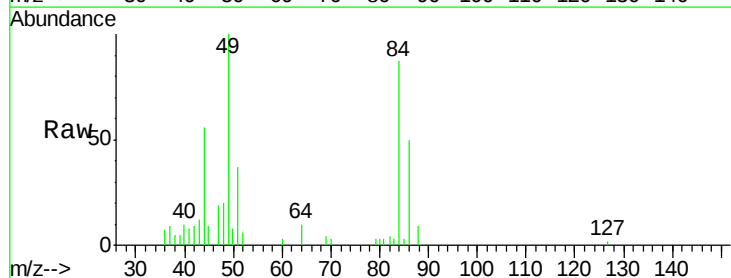
Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#03

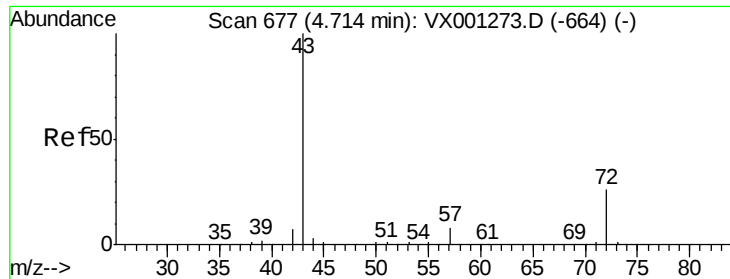
Tgt Ion: 43 Resp: 15941
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.6



#20
Methylene Chloride
Concen: 0.62 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

Tgt Ion: 84 Resp: 3910
Ion Ratio Lower Upper
84 100
49 115.3 102.8 154.2
51 42.7 30.9 46.3
86 57.7 53.0 79.4





#25

2-Butanone

Concen: 1.38 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

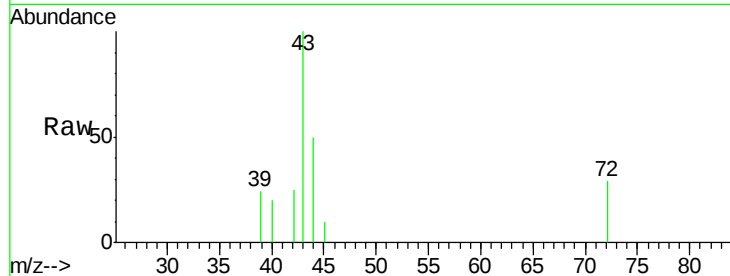
PB108752TBZHE#03

Tgt Ion: 43 Resp: 1840

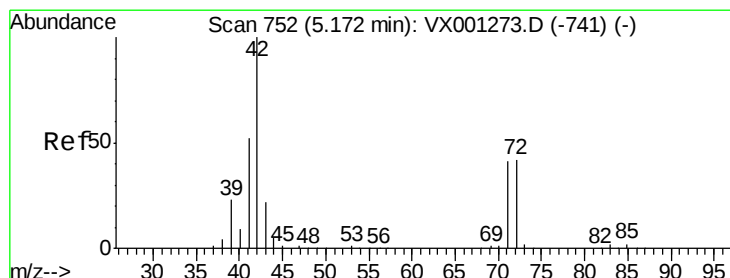
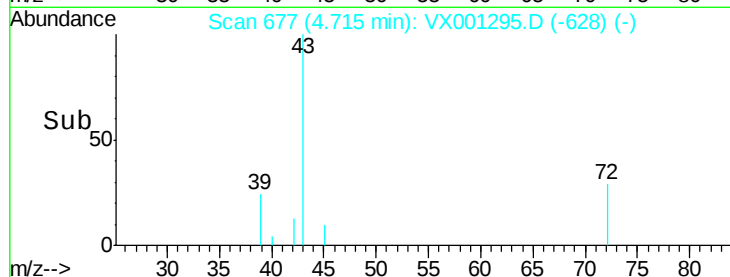
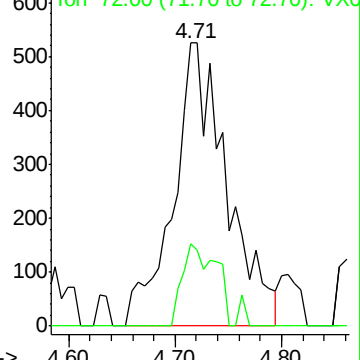
Ion Ratio Lower Upper

43 100

72 29.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX001273.D (-664) (-)



#29

Tetrahydrofuran

Concen: 0.90 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

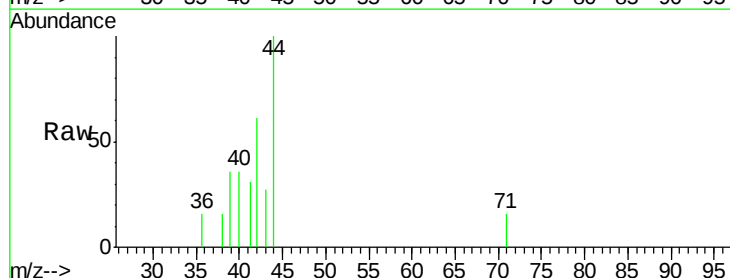
Tgt Ion: 42 Resp: 737

Ion Ratio Lower Upper

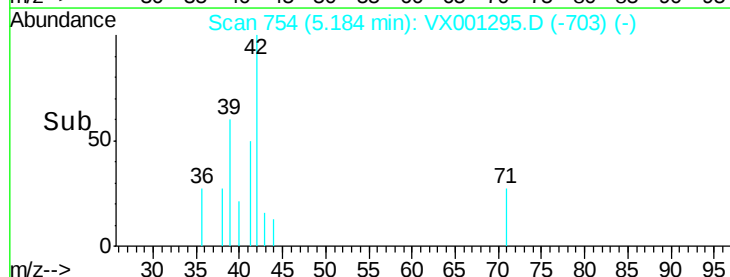
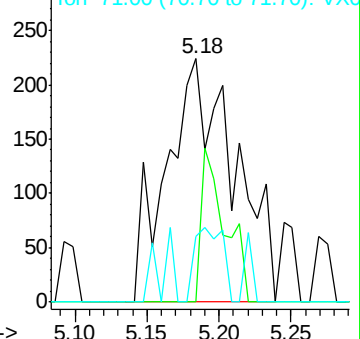
42 100

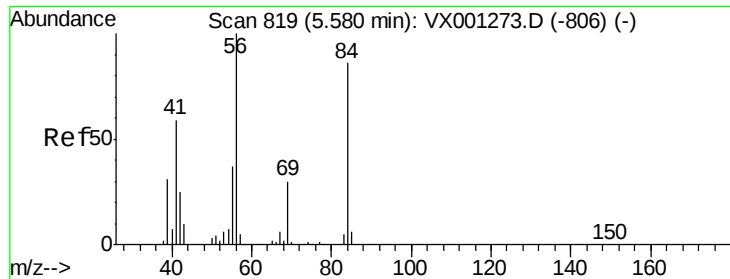
72 22.3 34.6 52.0#

71 12.5 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VX001273.D (-741) (-)

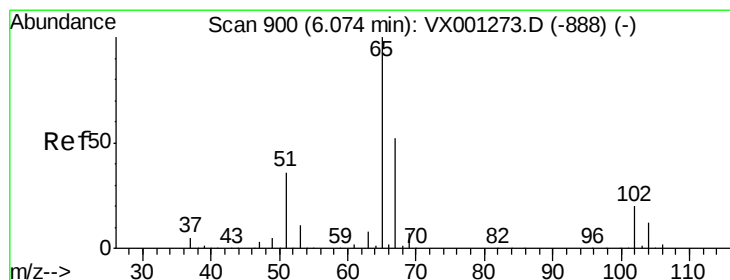
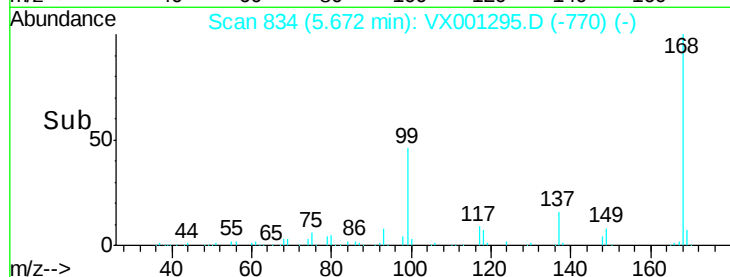
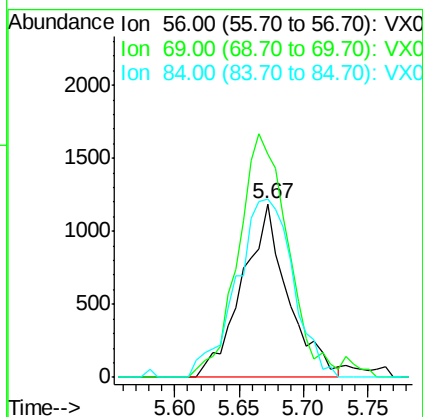
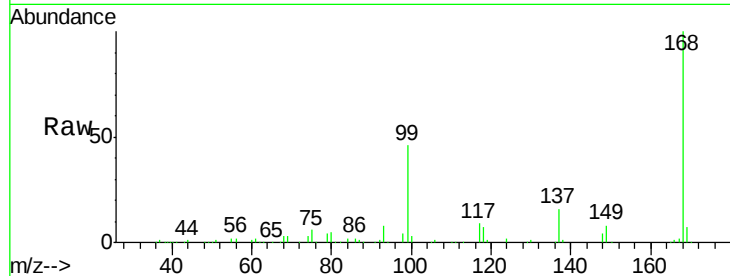




#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

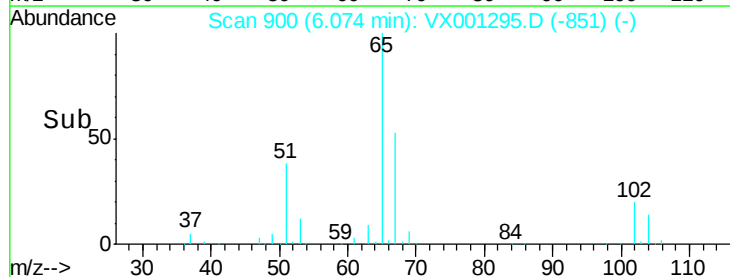
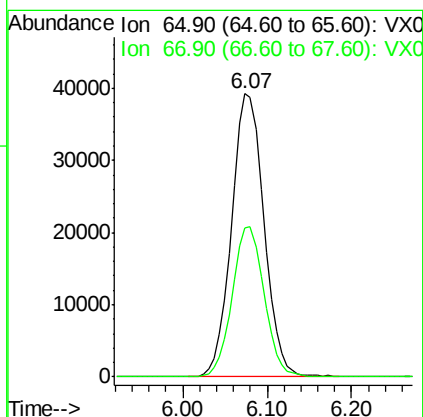
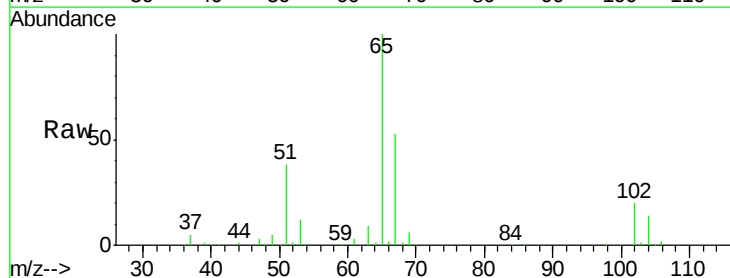
Instrument :
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PB108752TBZHE#03

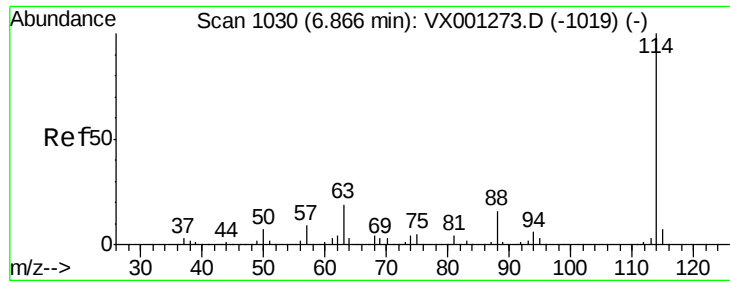
Tgt Ion: 56 Resp: 2917
Ion Ratio Lower Upper
56 100
69 128.7 24.0 36.0#
84 103.3 69.0 103.4



#33
1,2-Dichloroethane-d4
Concen: 44.14 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001295.D
Acq: 01 May 2018 23:53

Tgt Ion: 65 Resp: 102313
Ion Ratio Lower Upper
65 100
67 52.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#03

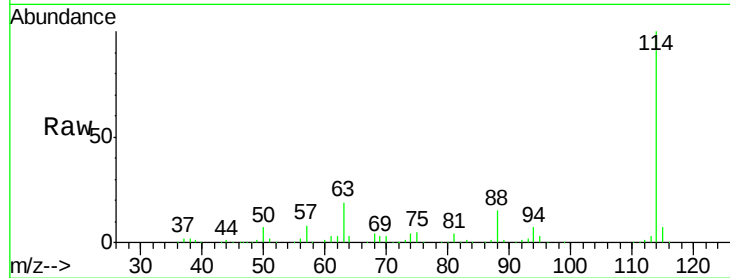
Tgt Ion:114 Resp: 220221

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

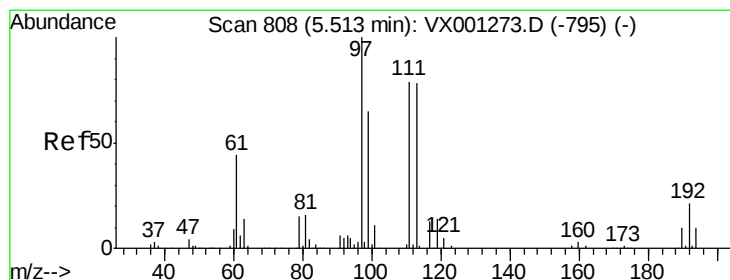
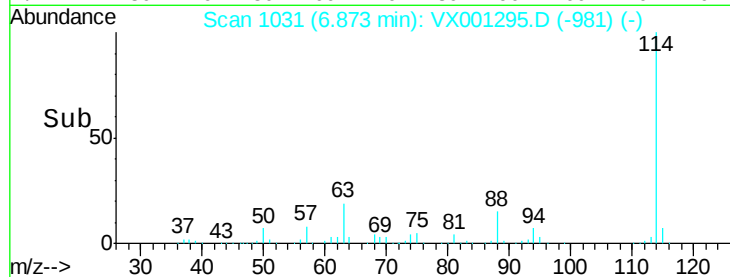
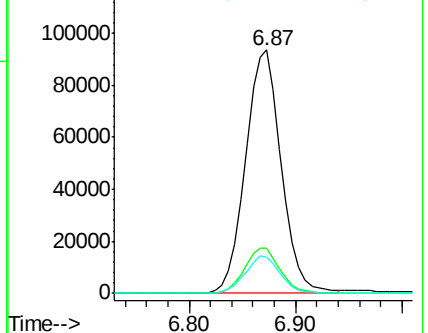
88 14.7 0.0 32.2



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: 44.50 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

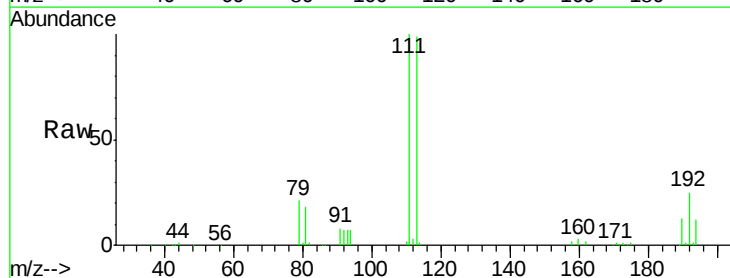
Tgt Ion:113 Resp: 84434

Ion Ratio Lower Upper

113 100

111 102.0 81.2 121.8

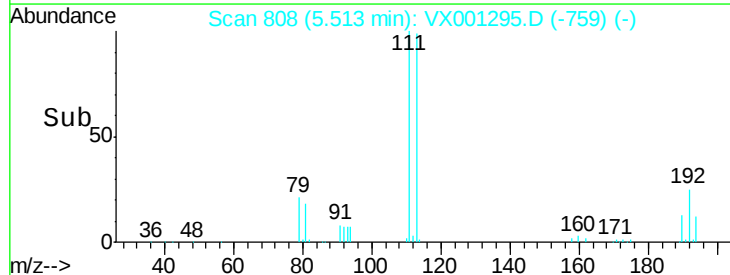
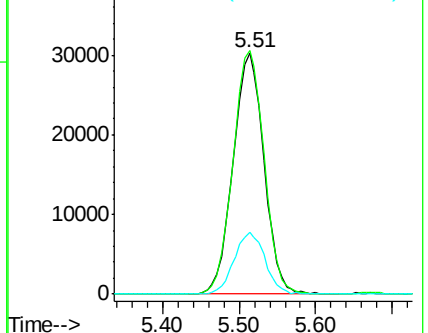
192 25.7 20.7 31.1

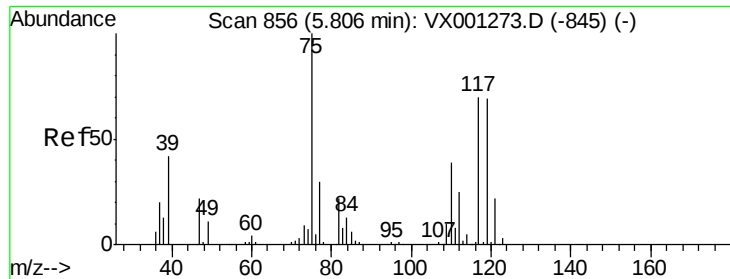


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

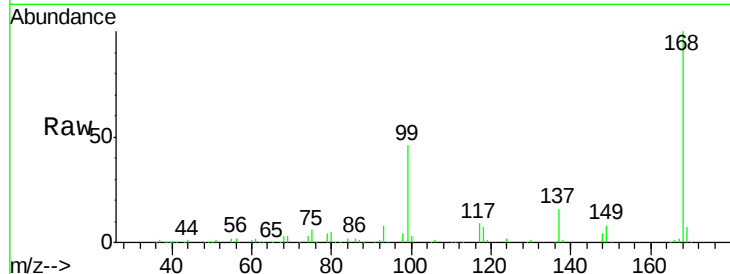




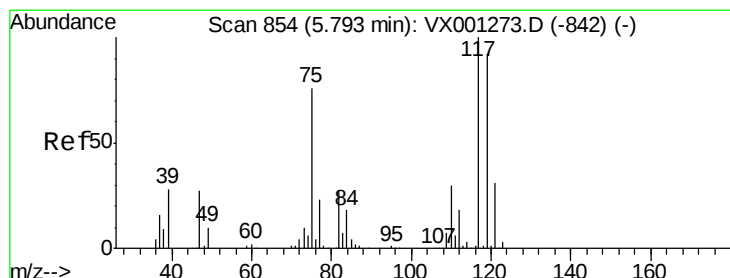
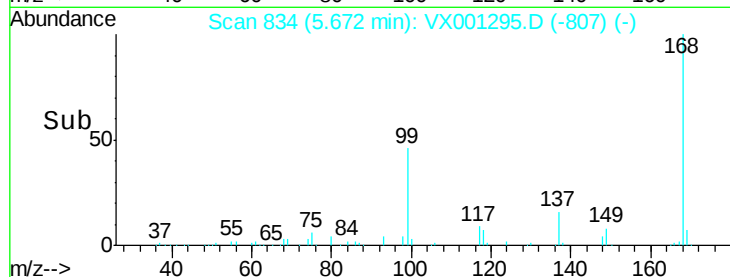
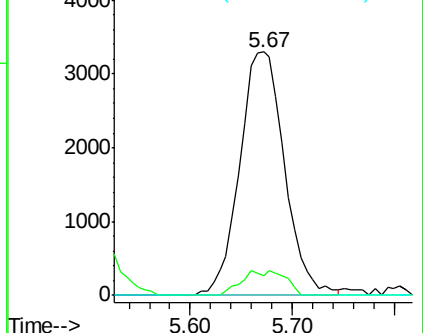
#36
 1,1-Dichloropropene
 Concen: 3.96 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001295.D
 Acq: 01 May 2018 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108752TBZHE#03

Tgt Ion: 75 Resp: 10064
 Ion Ratio Lower Upper
 75 100
 110 5.2 18.9 56.9#
 77 0.0 24.2 36.2#

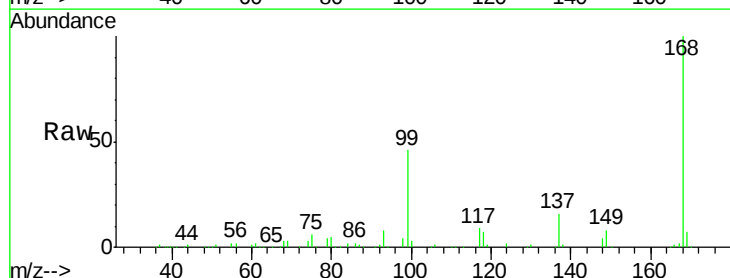


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

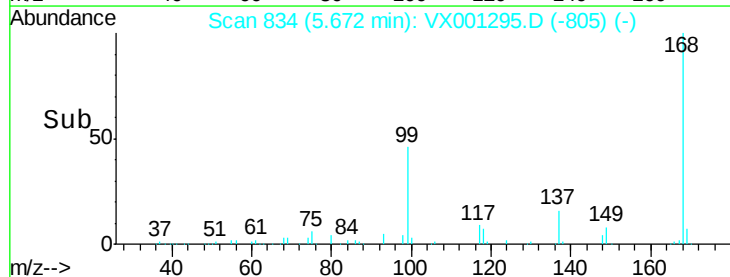
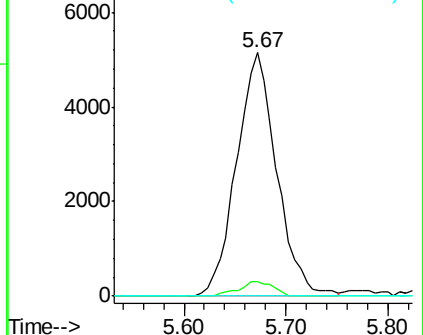


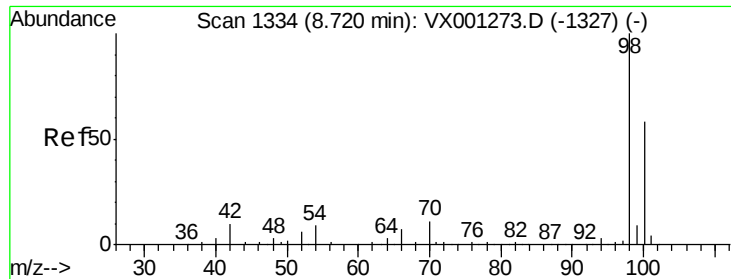
#38
 Carbon Tetrachloride
 Concen: 5.28 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001295.D
 Acq: 01 May 2018 23:53

Tgt Ion: 117 Resp: 14049
 Ion Ratio Lower Upper
 117 100
 119 6.0 73.4 110.2#
 121 0.0 25.0 37.4#



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: 46.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

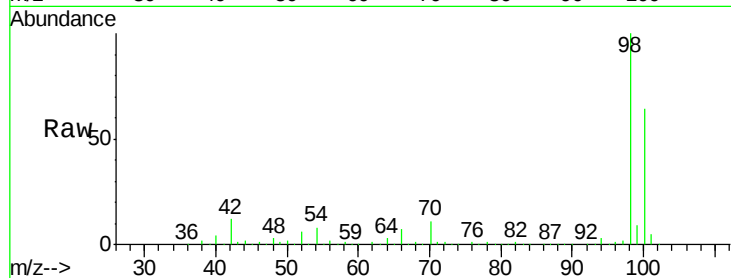
PB108752TBZHE#03

Tgt Ion: 98 Resp: 315439

Ion Ratio Lower Upper

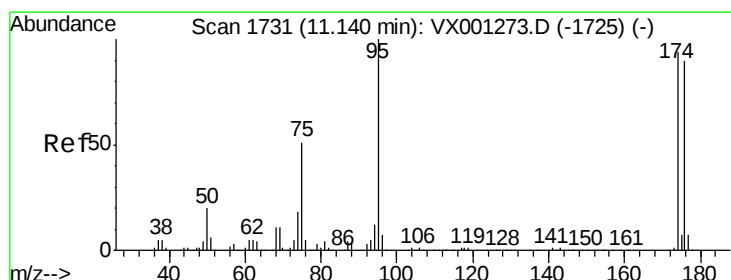
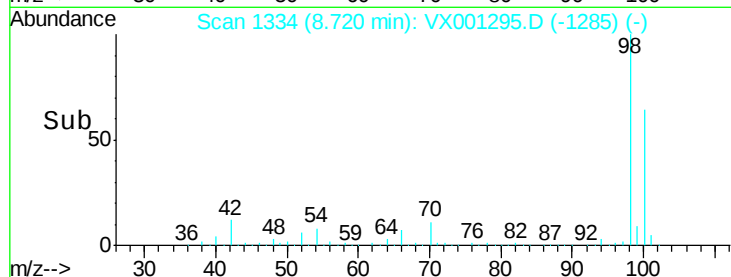
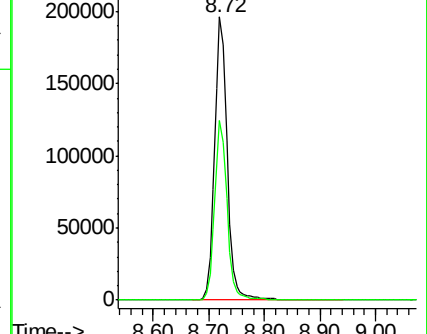
98 100

100 63.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 38.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

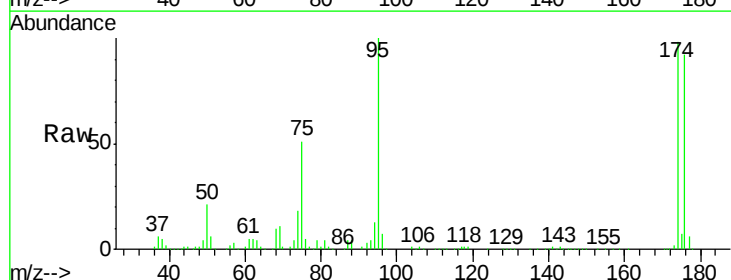
Tgt Ion: 95 Resp: 104179

Ion Ratio Lower Upper

95 100

174 104.5 0.0 201.8

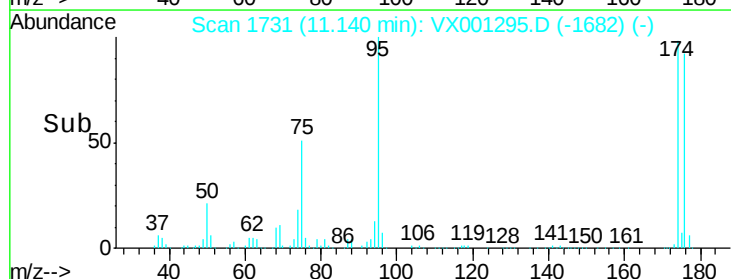
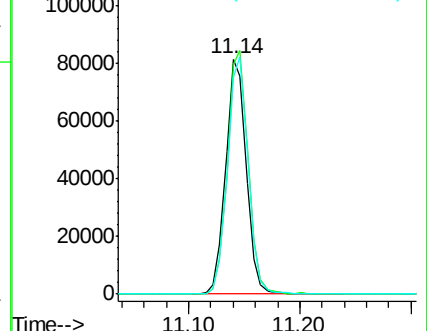
176 101.1 0.0 197.2

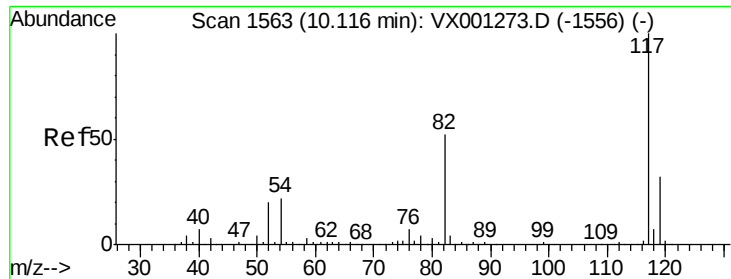


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1563

Delta R.T. 0.00 min

Lab File: VX001295.D

Acq: 01 May 2018 23:53

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#03

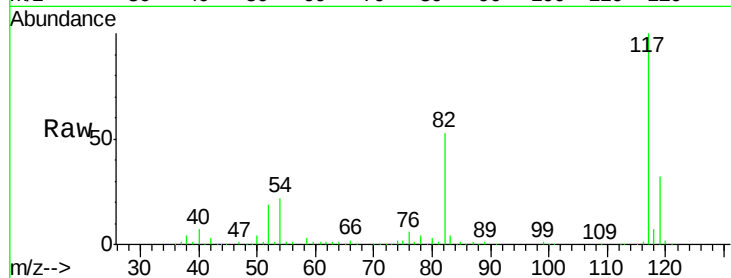
Tgt Ion:117 Resp: 200694

Ion Ratio Lower Upper

117 100

82 53.2 41.4 62.0

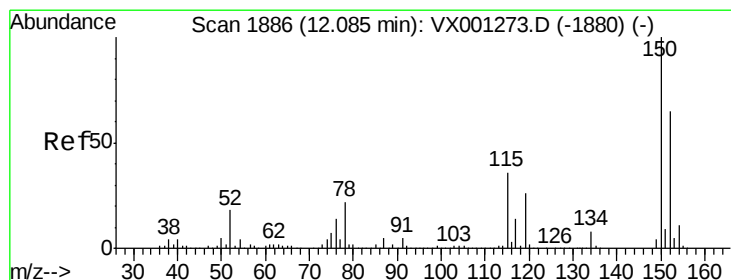
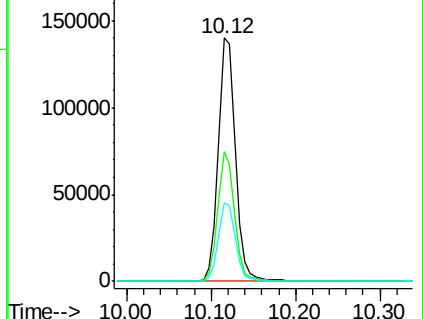
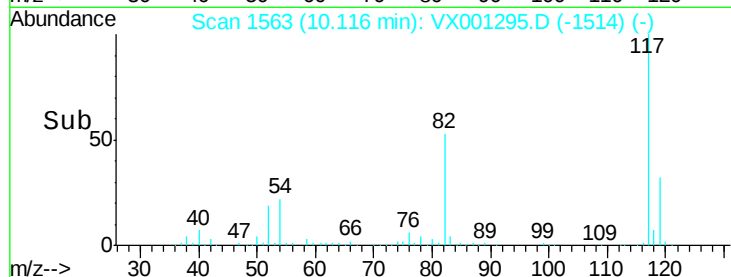
119 32.2 25.5 38.3



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: VX001295.D

Acq: 01 May 2018 23:53

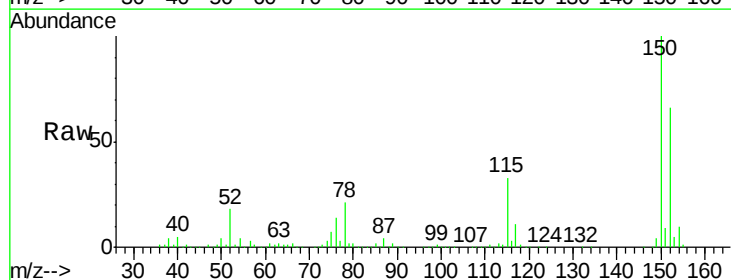
Tgt Ion:152 Resp: 113138

Ion Ratio Lower Upper

152 100

115 53.0 38.6 115.7

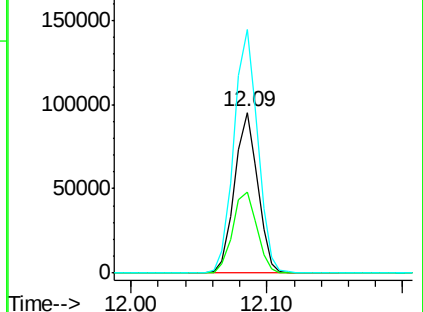
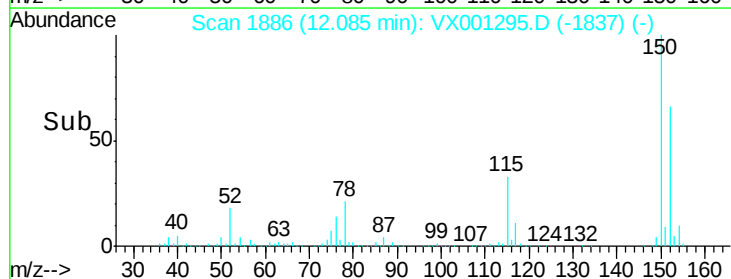
150 155.2 0.0 349.2

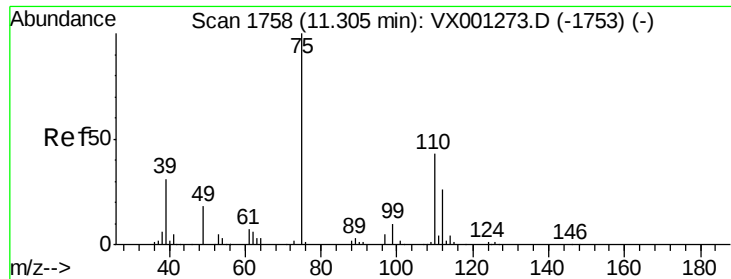


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

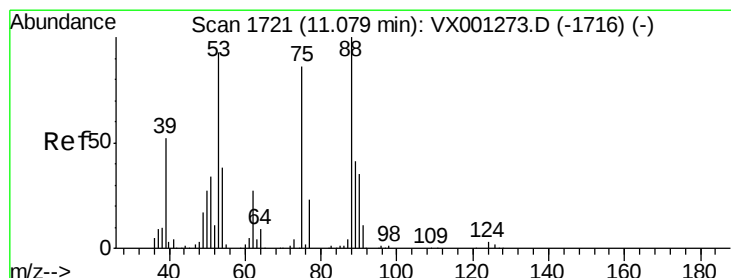
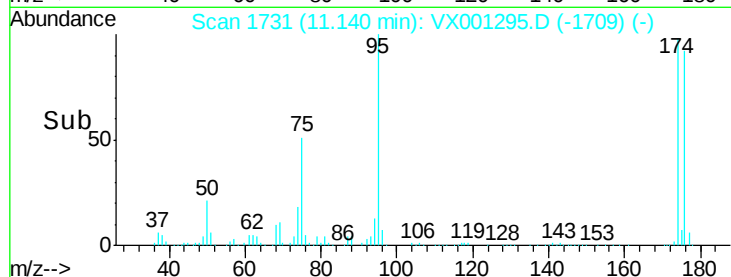
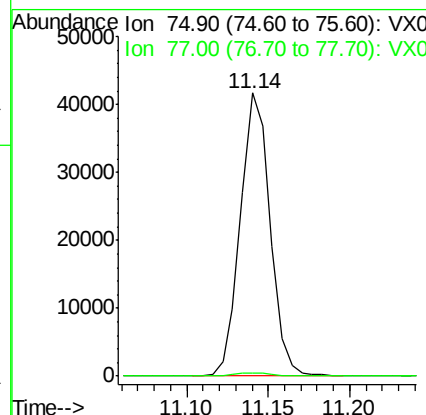
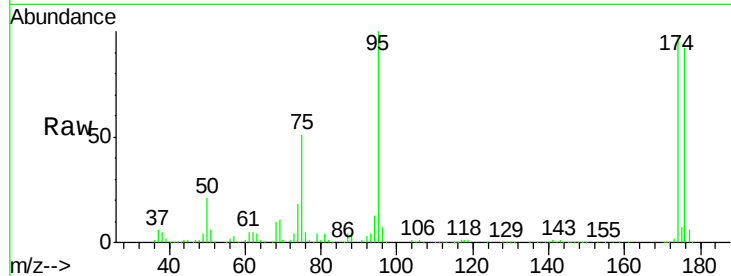




#76
 1,2,3-Trichloropropane
 Concen: 25.45 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001295.D
 Acq: 01 May 2018 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108752TBZHE#03

Tgt Ion: 75 Resp: 53236
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.97 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001295.D
 Acq: 01 May 2018 23:53

Tgt Ion: 75 Resp: 53236
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.1 130.7#
 89 0.0 38.9 58.3#

