

Data File : VX001348.D

Acq On : 03 May 2018 06:06

Operator : JC/MD

Sample : PB108794ZHE#07

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#07

Quant Time: May 03 06:46:52 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	153909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	209030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	107009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	96034	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	5.51	113	79593	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	
50) Toluene-d8	8.72	98	293820	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
62) 4-Bromofluorobenzene	11.14	95	93703	36.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.84%	

Target Compounds

						Qvalue
5) Bromomethane	1.62	94	23	Below Cal	#	2
10) Methyl Iodide	2.51	142	102	4.38	ug/l #	40
11) Tert butyl alcohol	3.08	59	417	1.14	ug/l #	86
13) Acrolein	2.28	56	77	0.36	ug/l #	1
16) Acetone	2.45	43	11714	12.88	ug/l	100
18) Methyl Acetate	2.79	43	17124	7.97	ug/l	99
20) Methylene Chloride	2.86	84	2993	0.24	ug/l	92
25) 2-Butanone	4.72	43	4518	3.67	ug/l	95
29) Tetrahydrofuran	5.19	42	972	1.29	ug/l #	79
31) Cyclohexane	5.67	56	2838	1.08	ug/l #	38
36) 1,1-Dichloropropene	5.67	75	8934	3.70	ug/l #	50
38) Carbon Tetrachloride	5.67	117	12899	5.10	ug/l #	20
51) 4-Methyl-2-Pentanone	8.66	43	691	0.27	ug/l #	84
59) 2-Hexanone	9.51	43	635	0.32	ug/l	69
74) N-amyl acetate	6.48	43	661	0.22	ug/l #	66
76) 1,2,3-Trichloropropane	11.14	75	49149	24.84	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	49149	78.17	ug/l #	6

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

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Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#07

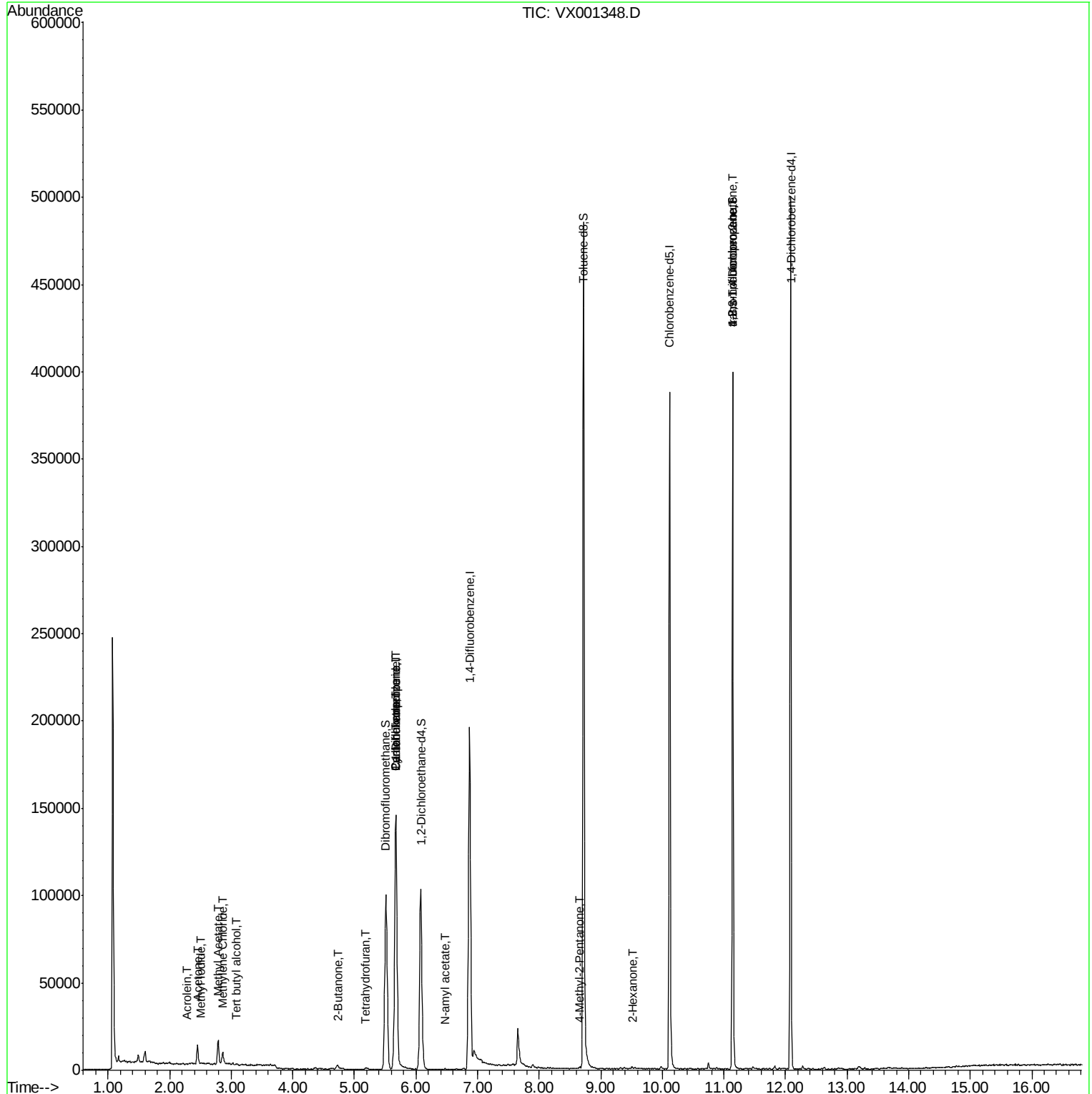
Quant Time: May 03 06:46:52 2018

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

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

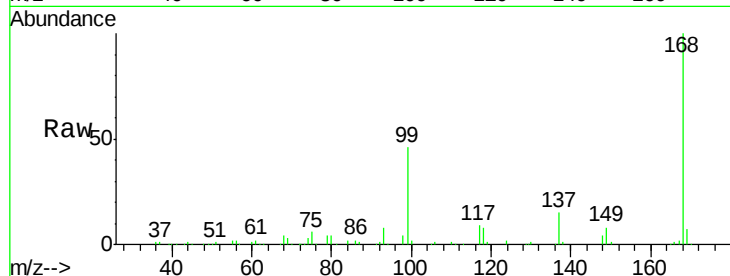
PB108794ZHE#07

Tgt Ion:168 Resp: 153909

Ion Ratio Lower Upper

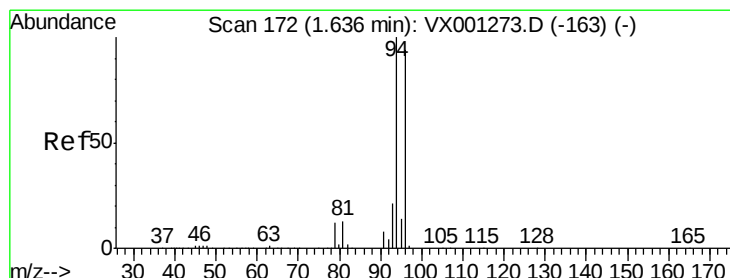
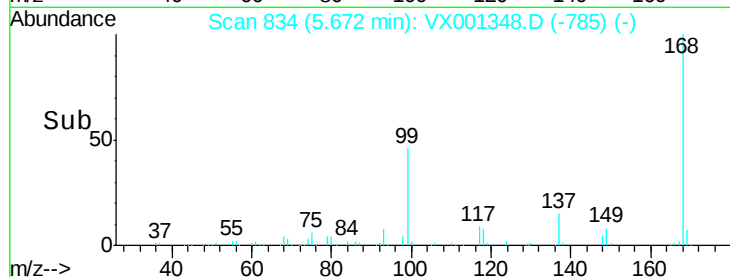
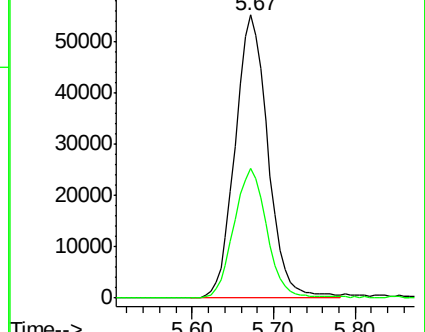
168 100

99 45.9 36.5 54.7



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: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001348.D

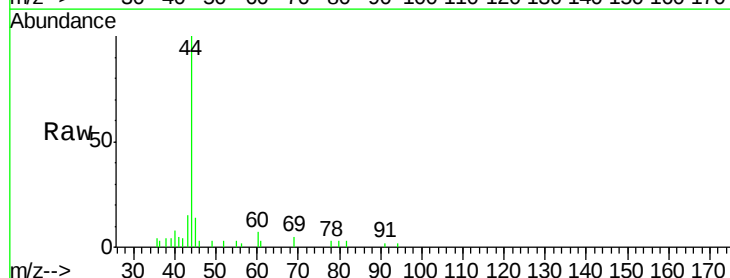
Acq: 03 May 2018 06:06

Tgt Ion: 94 Resp: 23

Ion Ratio Lower Upper

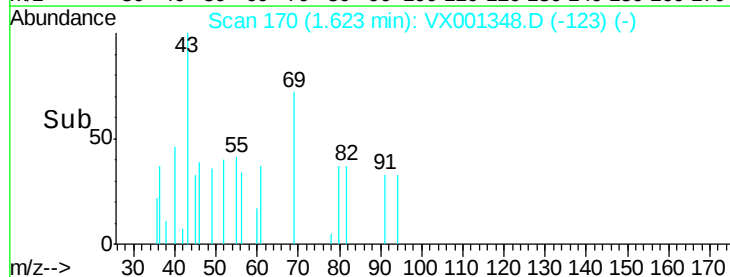
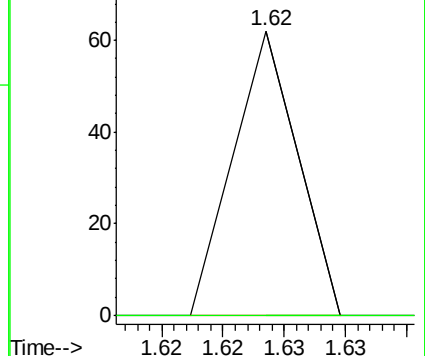
94 100

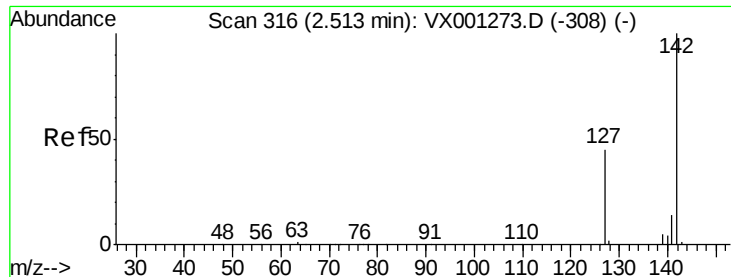
96 0.0 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

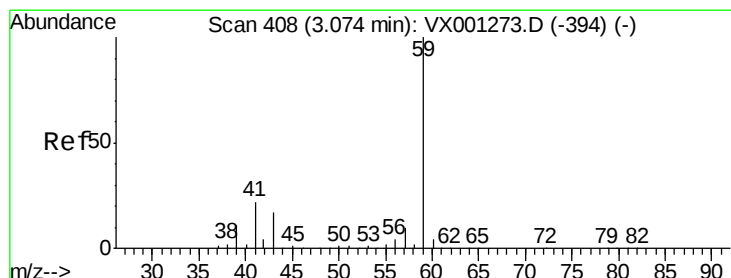
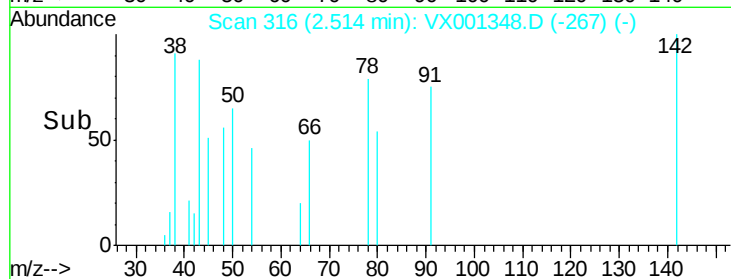
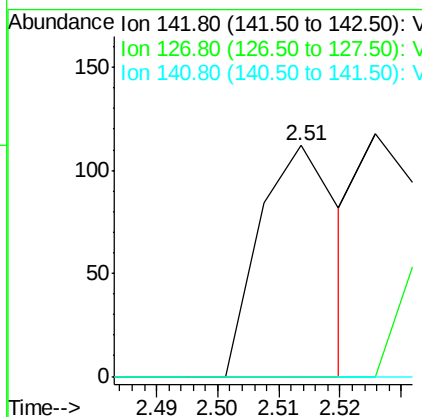
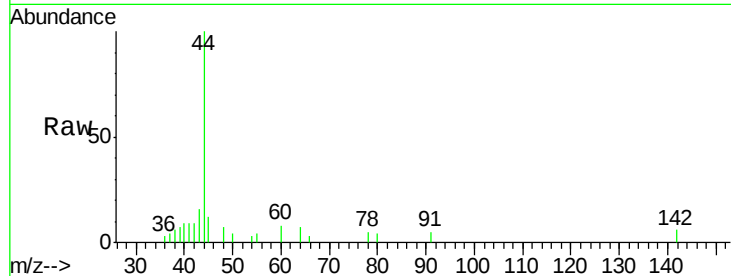




#10
Methyl Iodide
Concen: 4.38 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001348.D
Acq: 03 May 2018 06:06

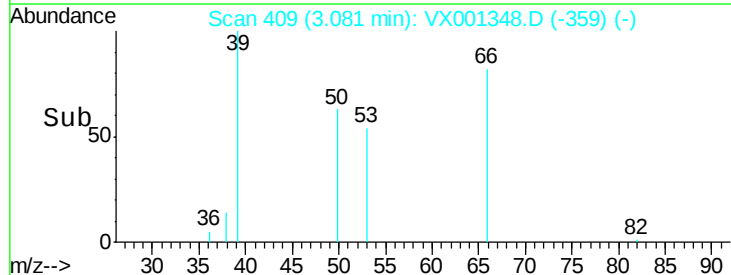
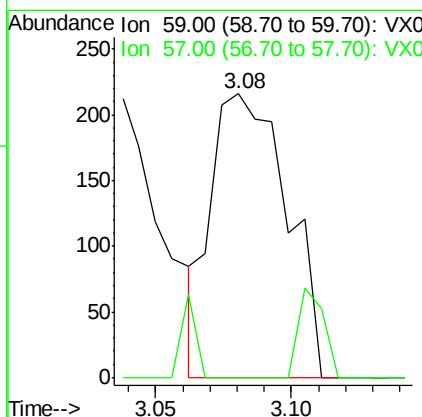
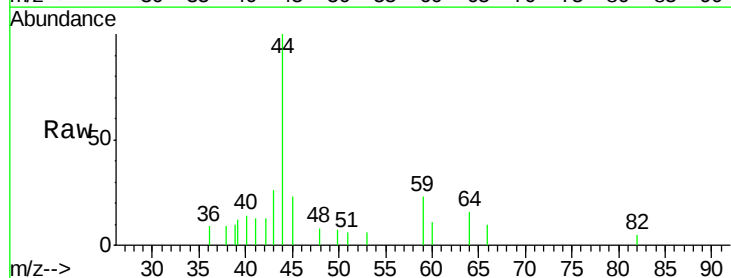
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#07

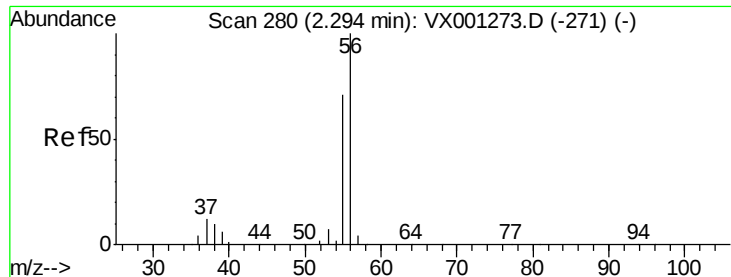
Tgt Ion: 142 Resp: 102
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.14 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001348.D
Acq: 03 May 2018 06:06

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 5.5 8.6 12.8#





#13

Acrolein

Concen: 0.36 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

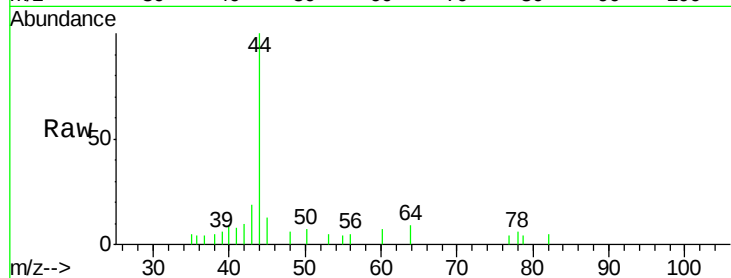
PB108794ZHE#07

Tgt Ion: 56 Resp: 77

Ion Ratio Lower Upper

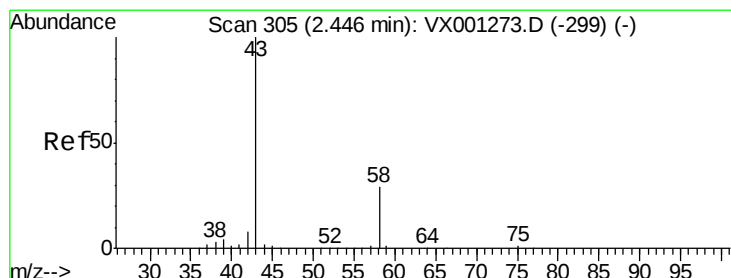
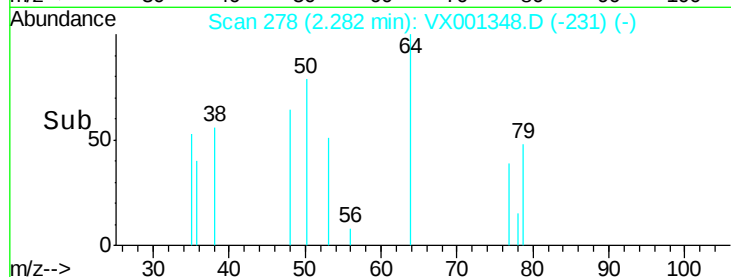
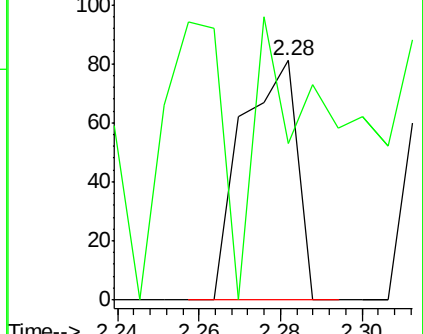
56 100

55 187.0 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: 12.88 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001348.D

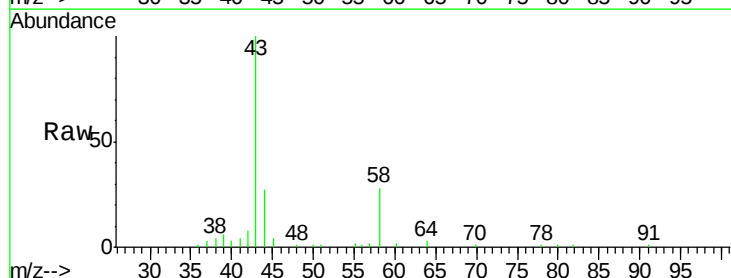
Acq: 03 May 2018 06:06

Tgt Ion: 43 Resp: 11714

Ion Ratio Lower Upper

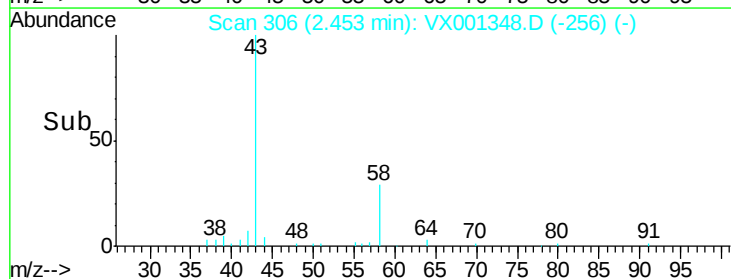
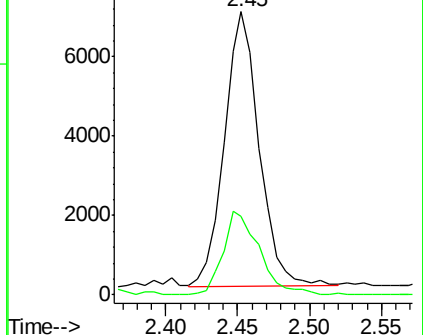
43 100

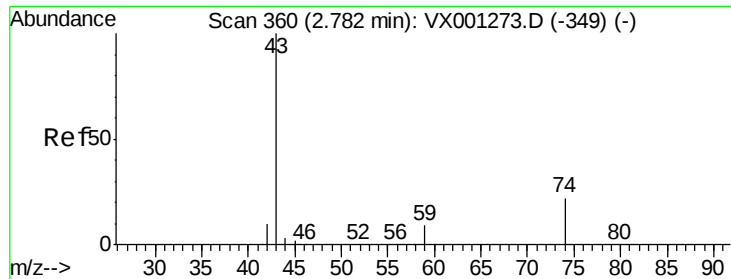
58 28.5 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

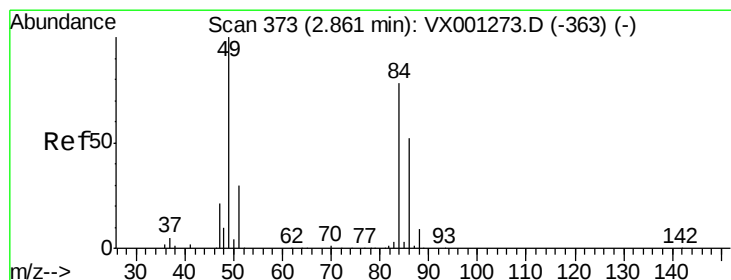
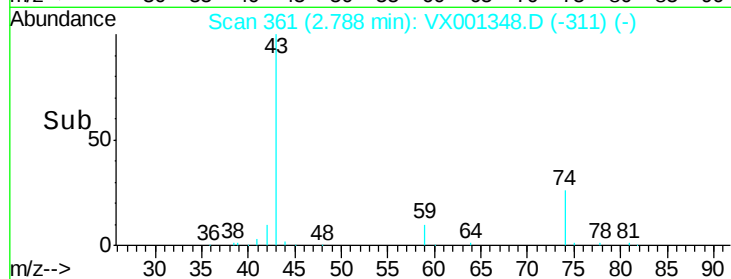
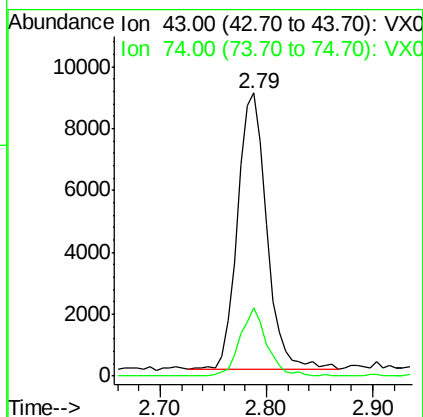
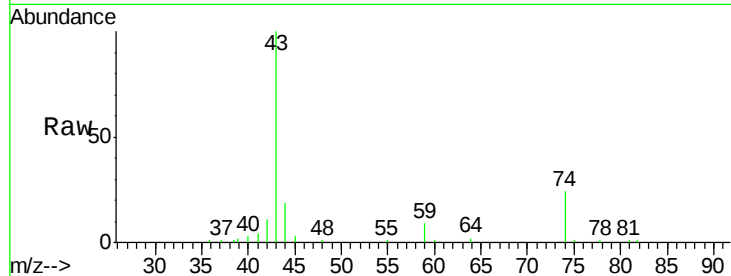




#18
Methyl Acetate
Concen: 7.97 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001348.D
Acq: 03 May 2018 06:06

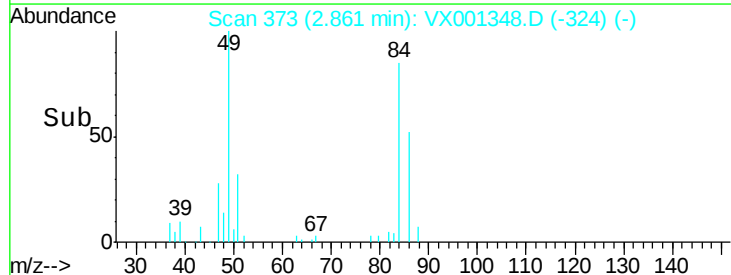
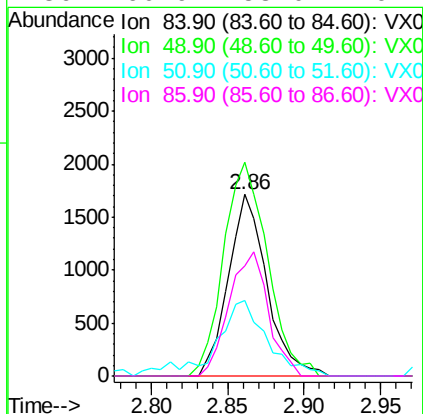
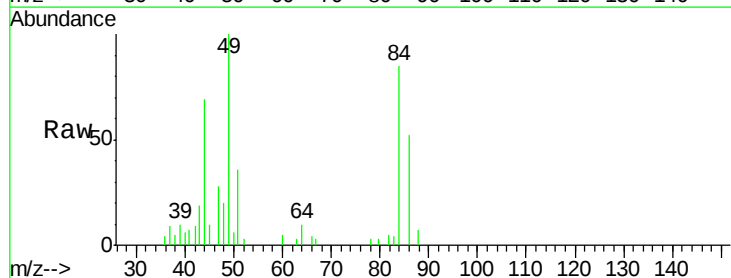
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#07

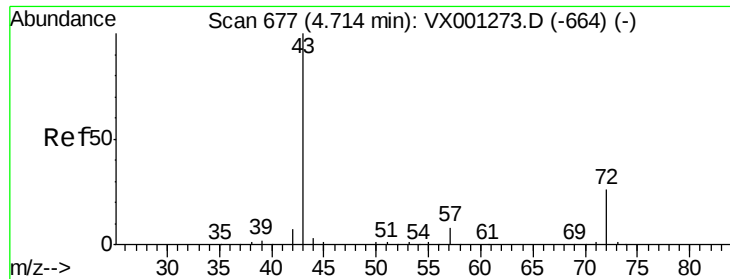
Tgt Ion: 43 Resp: 17124
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.6



#20
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001348.D
Acq: 03 May 2018 06:06

Tgt Ion: 84 Resp: 2993
Ion Ratio Lower Upper
84 100
49 117.6 102.8 154.2
51 41.9 30.9 46.3
86 60.9 53.0 79.4





#25

2-Butanone

Concen: 3.67 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

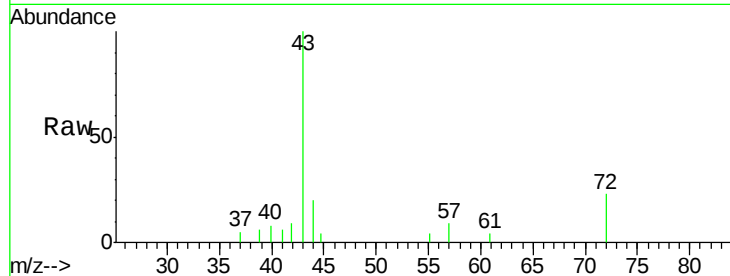
PB108794ZHE#07

Tgt Ion: 43 Resp: 4518

Ion Ratio Lower Upper

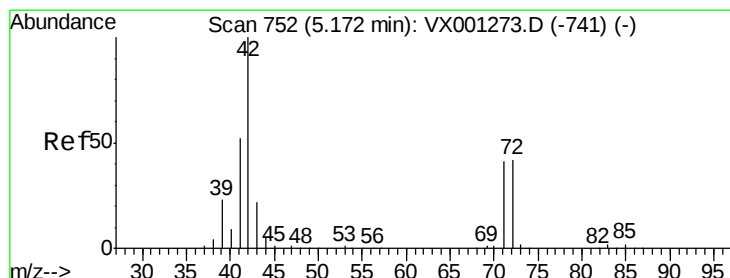
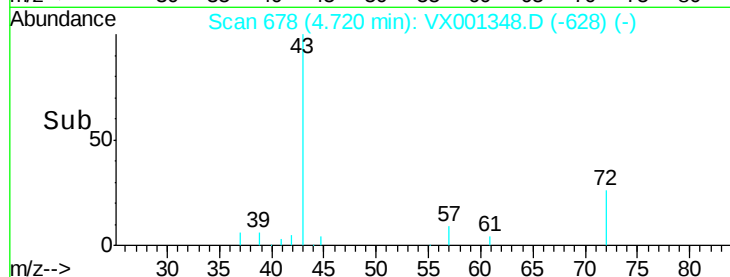
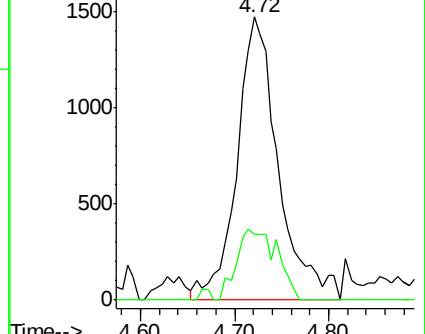
43 100

72 23.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.29 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

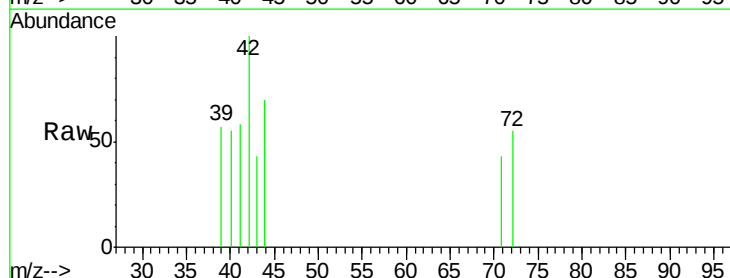
Tgt Ion: 42 Resp: 972

Ion Ratio Lower Upper

42 100

72 34.5 34.6 52.0#

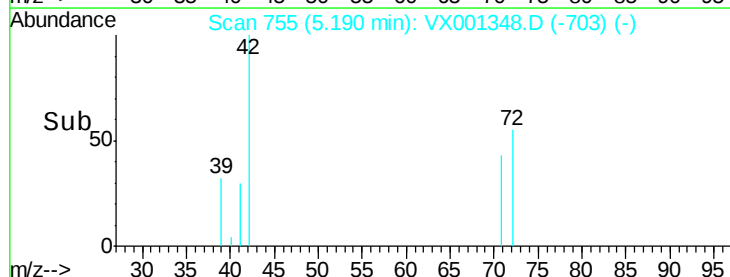
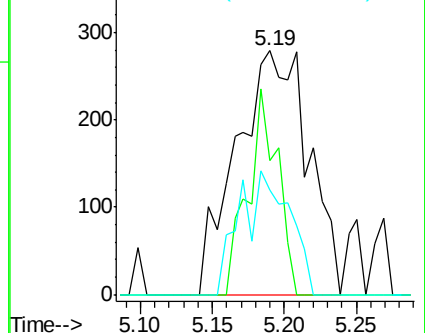
71 22.5 32.7 49.1#

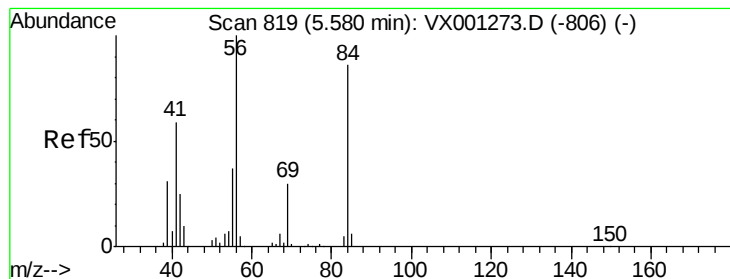


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#07

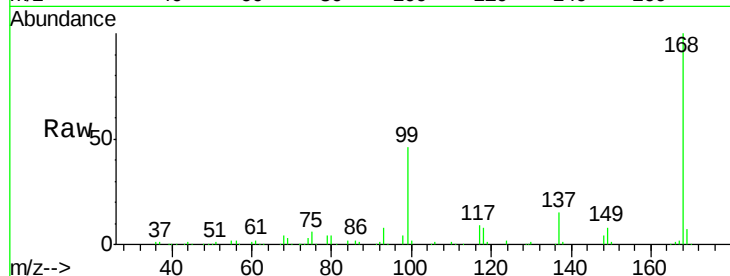
Tgt Ion: 56 Resp: 2838

Ion Ratio Lower Upper

56 100

69 131.5 24.0 36.0#

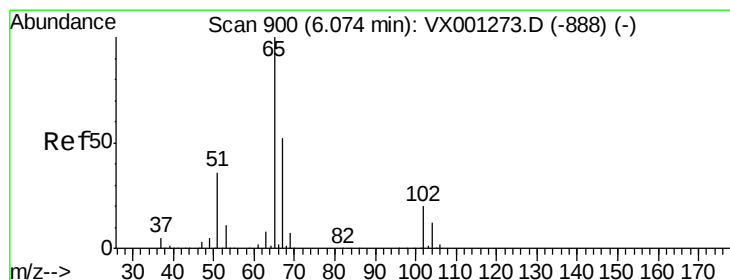
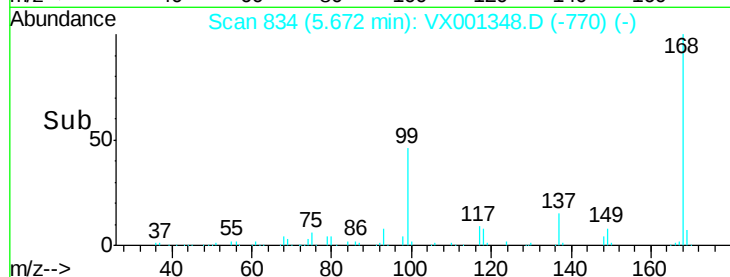
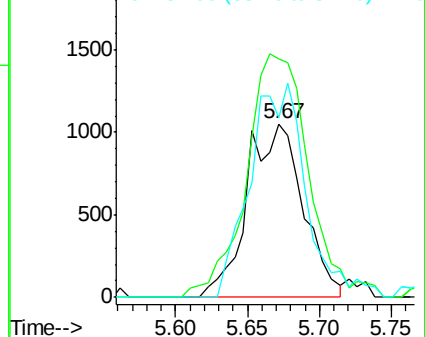
84 103.5 69.0 103.4#



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: 45.08 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001348.D

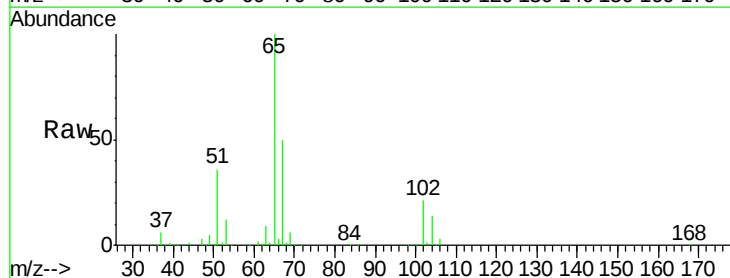
Acq: 03 May 2018 06:06

Tgt Ion: 65 Resp: 96034

Ion Ratio Lower Upper

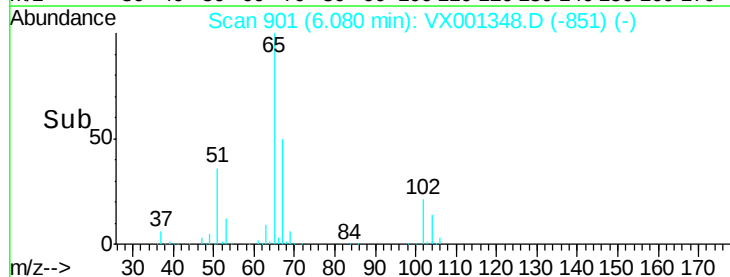
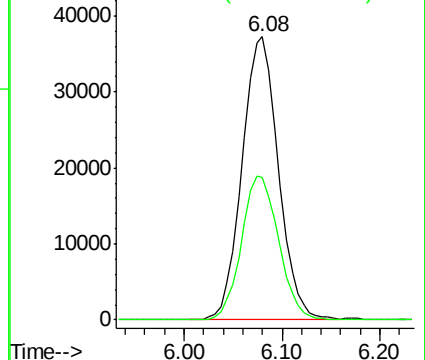
65 100

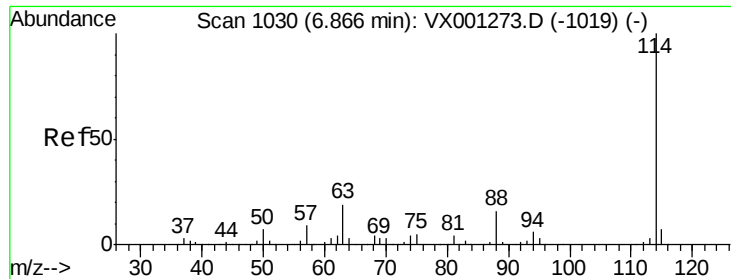
67 52.0 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

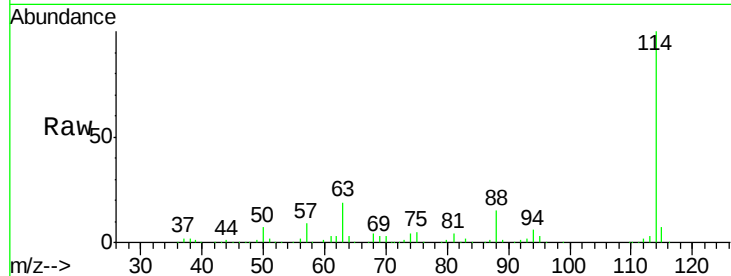




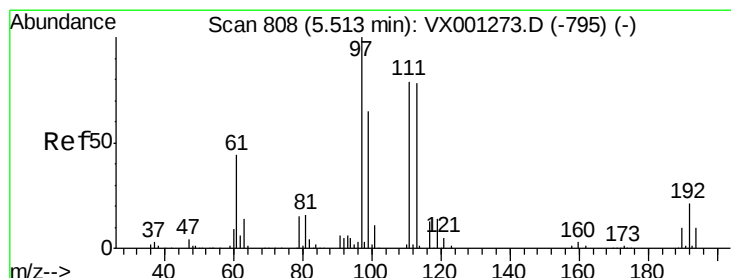
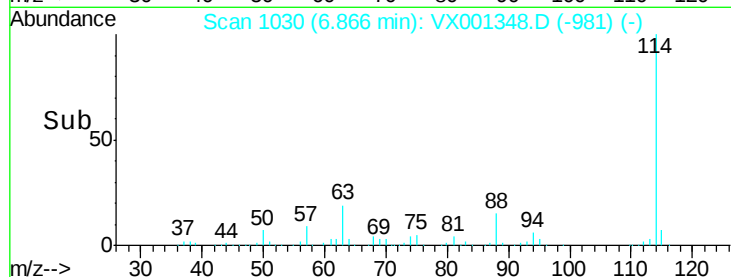
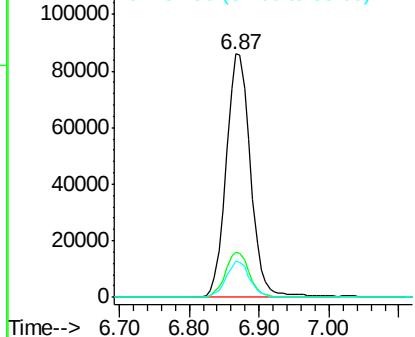
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001348.D
 Acq: 03 May 2018 06:06

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#07

Tgt Ion:114 Resp: 209030
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.8
 88 14.8 0.0 32.2

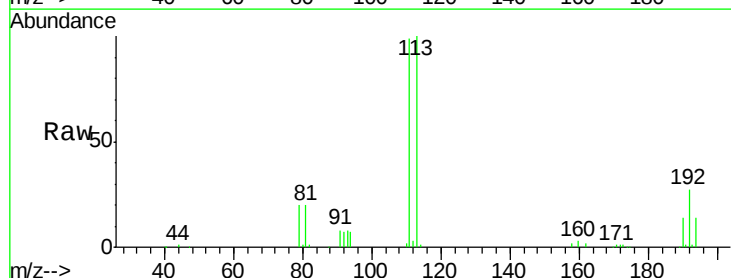


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

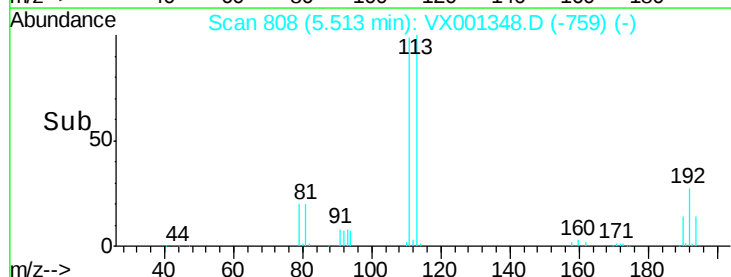
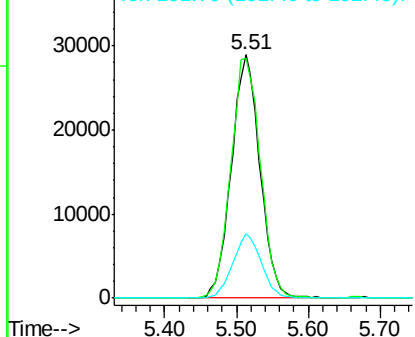


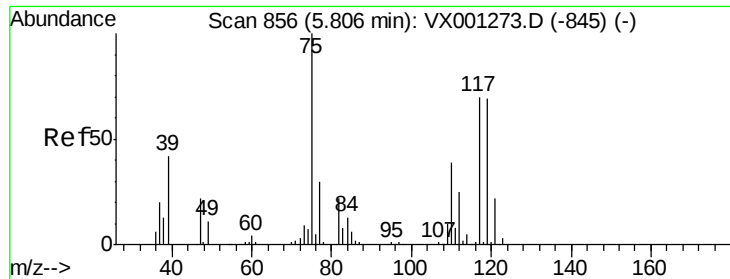
#35
 Dibromofluoromethane
 Concen: 44.20 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001348.D
 Acq: 03 May 2018 06:06

Tgt Ion:113 Resp: 79593
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.2 121.8
 192 26.2 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

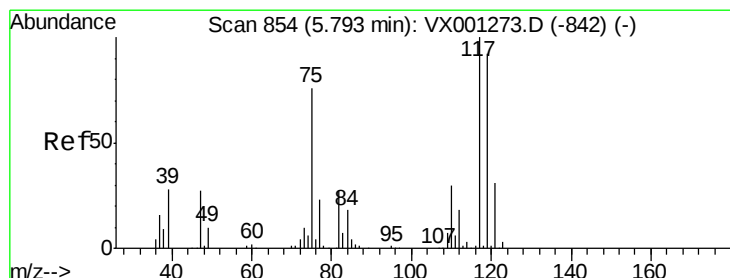
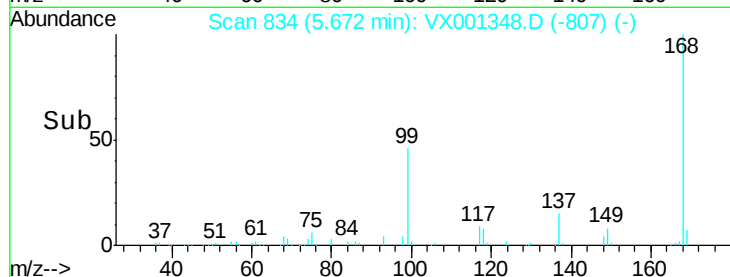
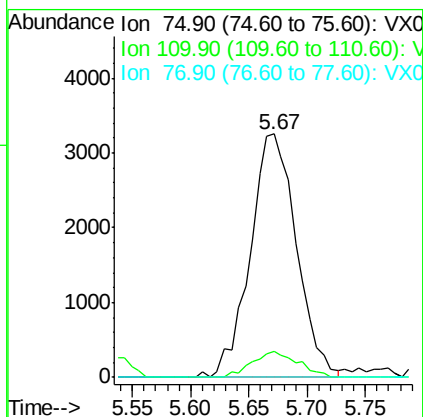
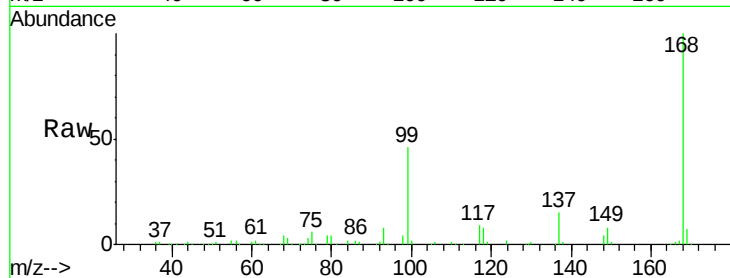




#36
 1,1-Dichloropropene
 Concen: 3.70 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001348.D
 Acq: 03 May 2018 06:06

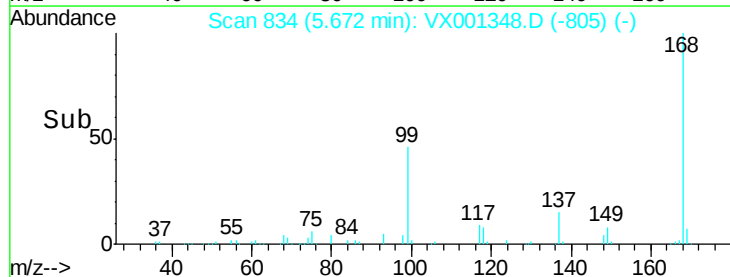
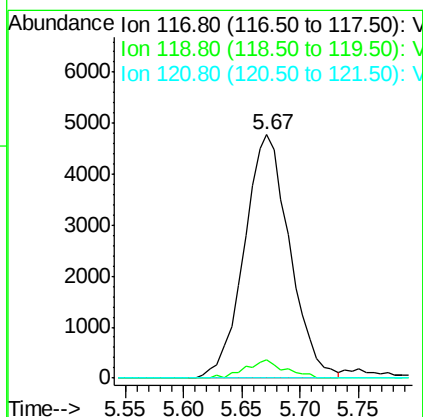
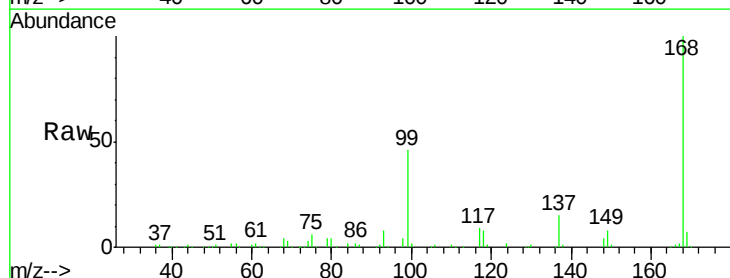
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#07

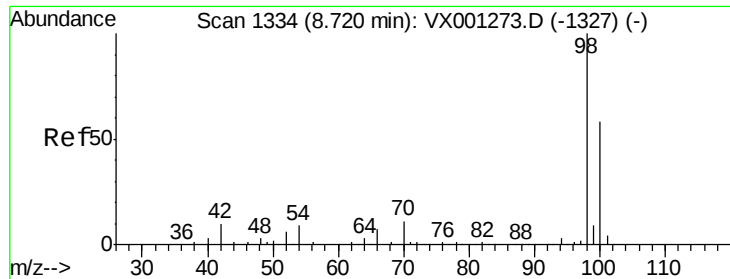
Tgt Ion: 75 Resp: 8934
 Ion Ratio Lower Upper
 75 100
 110 10.6 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.10 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001348.D
 Acq: 03 May 2018 06:06

Tgt Ion: 117 Resp: 12899
 Ion Ratio Lower Upper
 117 100
 119 7.5 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 45.67 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

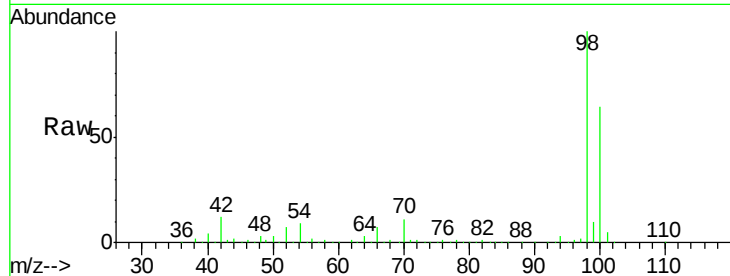
PB108794ZHE#07

Tgt Ion: 98 Resp: 293820

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

200000

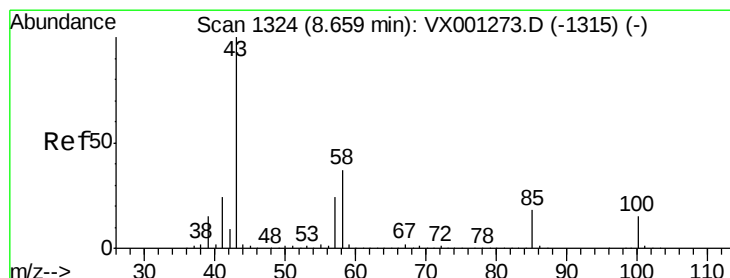
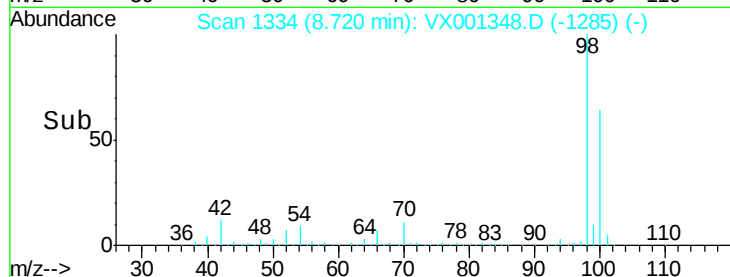
150000

100000

50000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001348.D

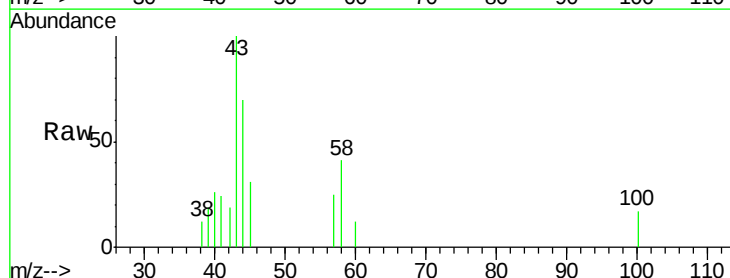
Acq: 03 May 2018 06:06

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 45.7 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

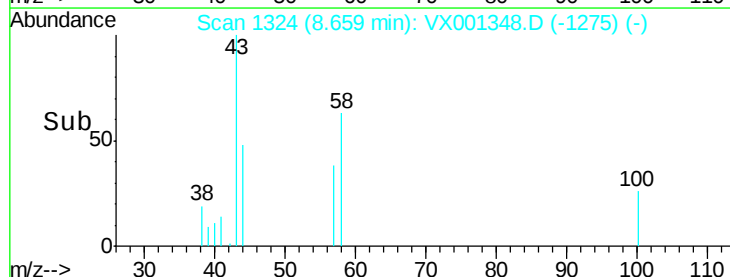
1500

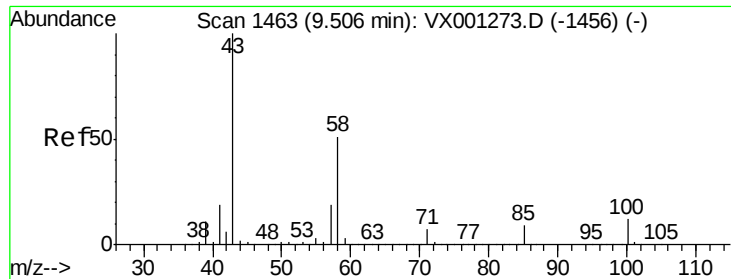
1000

500

0

Time--> 8.60 8.65 8.70





#59

2-Hexanone

Concen: 0.32 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

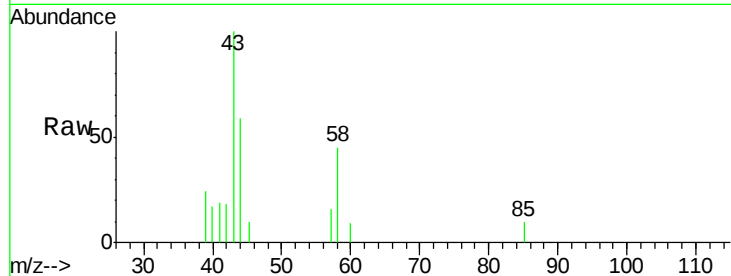
PB108794ZHE#07

Tgt Ion: 43 Resp: 635

Ion Ratio Lower Upper

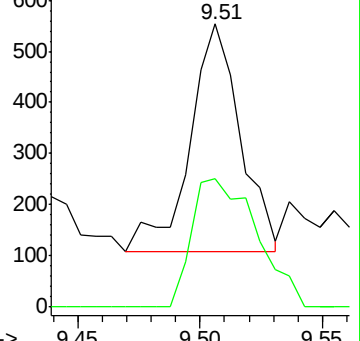
43 100

58 73.2 25.7 77.0

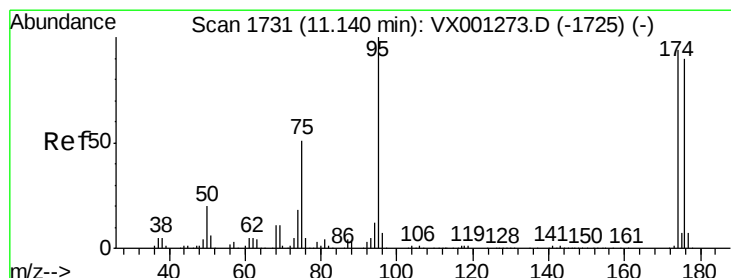
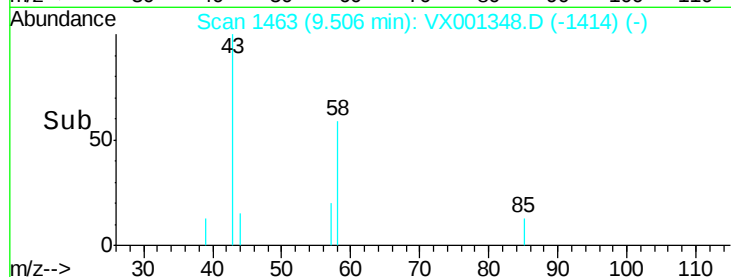


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 36.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

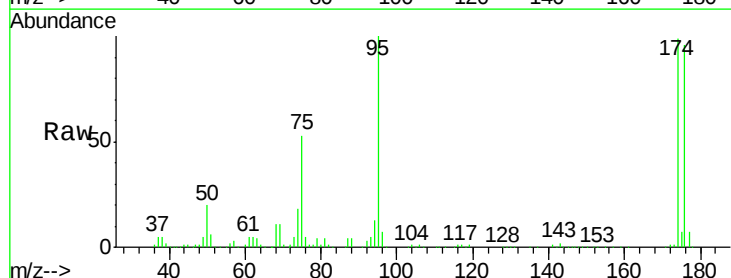
Tgt Ion: 95 Resp: 93703

Ion Ratio Lower Upper

95 100

174 107.9 0.0 201.8

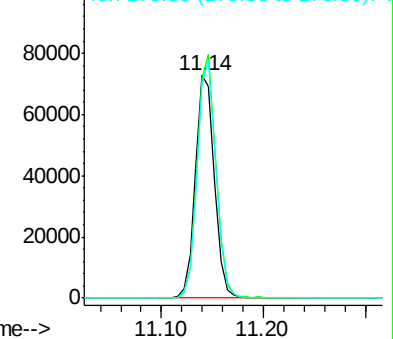
176 104.2 0.0 197.2



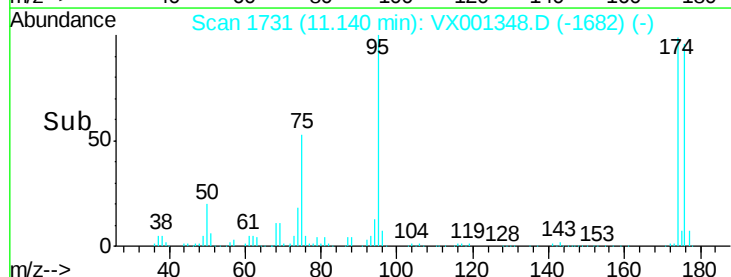
Abundance Ion 94.90 (94.60 to 95.60): VX0

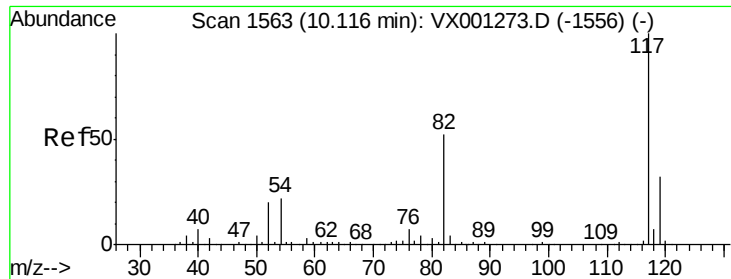
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#07

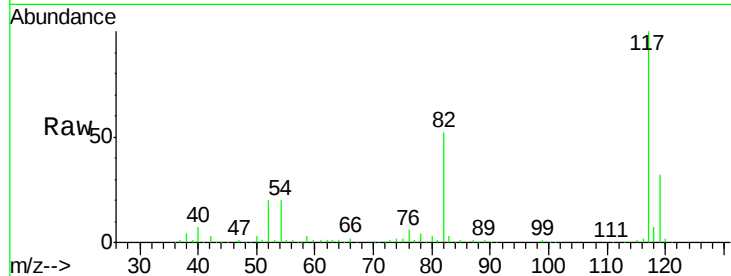
Tgt Ion:117 Resp: 189364

Ion Ratio Lower Upper

117 100

82 52.0 41.4 62.0

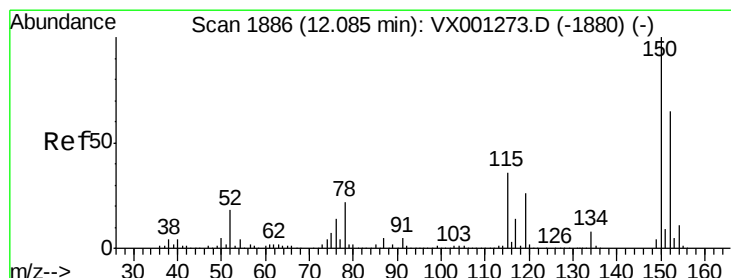
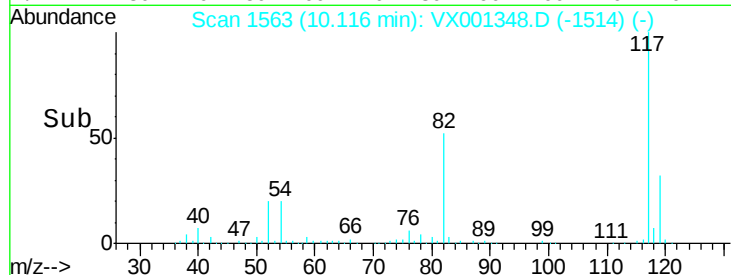
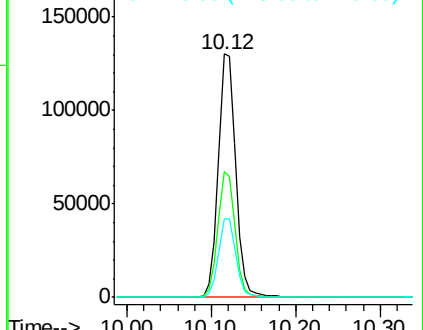
119 32.0 25.5 38.3



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: VX001348.D

Acq: 03 May 2018 06:06

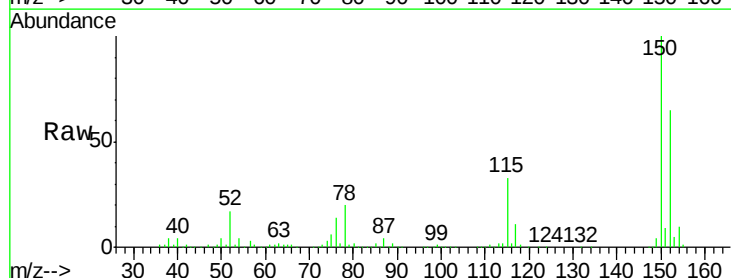
Tgt Ion:152 Resp: 107009

Ion Ratio Lower Upper

152 100

115 52.4 38.6 115.7

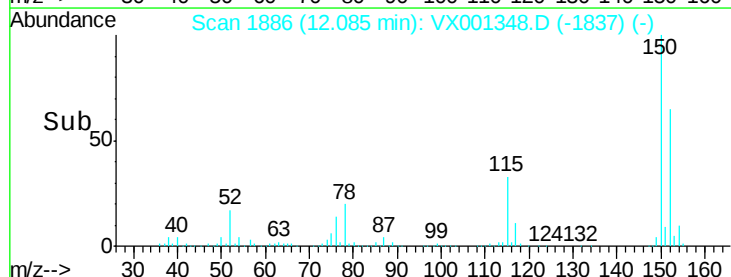
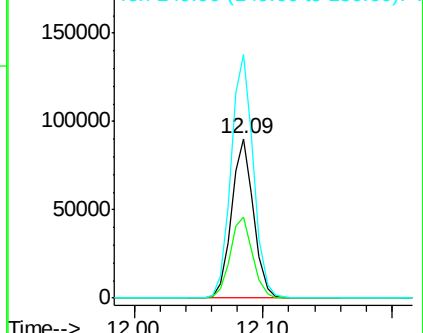
150 156.2 0.0 349.2

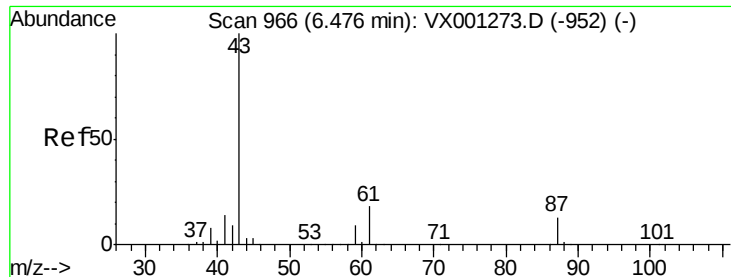


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyI acetate

Concen: 0.22 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX001348.D

Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#07

Tgt Ion: 43 Resp: 661

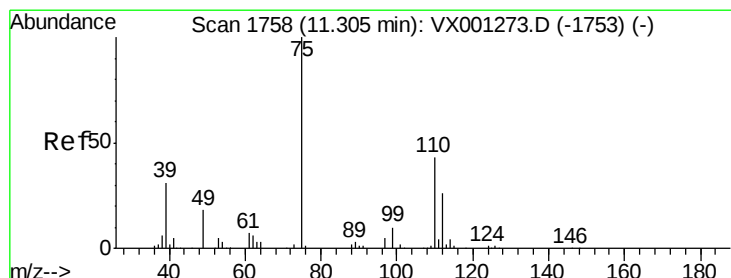
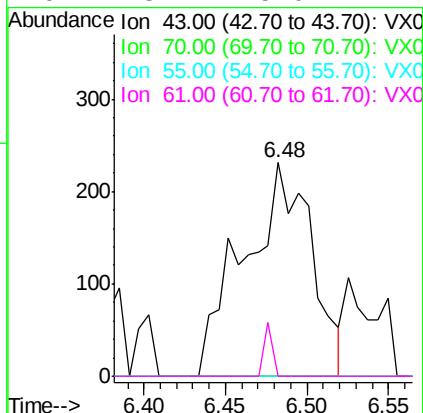
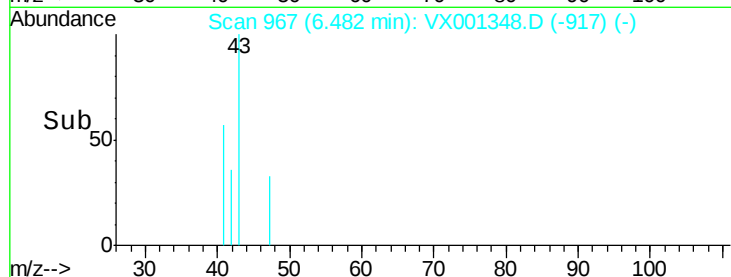
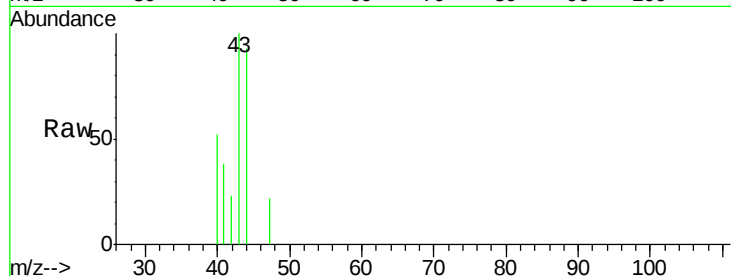
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 3.2 15.0 22.4#



#76

1,2,3-Trichloropropane

Concen: 24.84 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001348.D

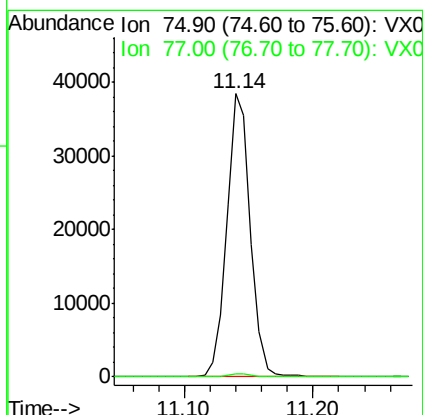
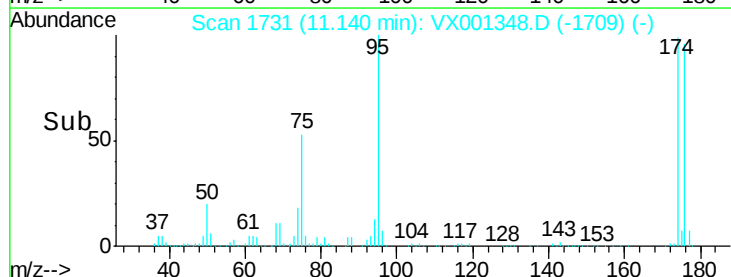
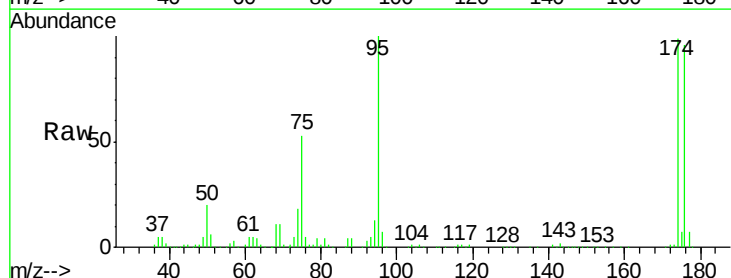
Acq: 03 May 2018 06:06

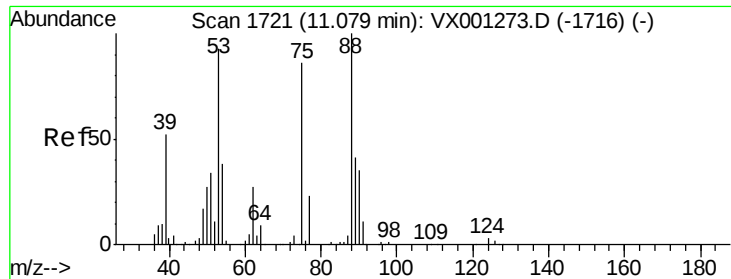
Tgt Ion: 75 Resp: 49149

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 78.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001348.D

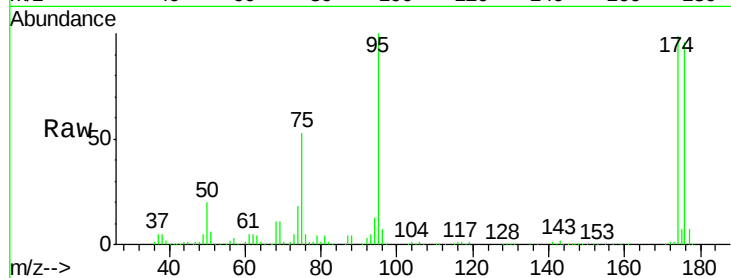
Acq: 03 May 2018 06:06

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#07



Tgt Ion: 75 Resp: 49149

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.0 38.9 58.3#

