

Data File : VX001339.D

Acq On : 03 May 2018 02:05

Operator : JC/MD

Sample : PB108794ZHE#18

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#18

Quant Time: May 03 05:12:20 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	148430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	198842	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	93038	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
35) Dibromofluoromethane	5.51	113	78697	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
50) Toluene-d8	8.72	98	280281	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	11.15	95	87121	35.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.18%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	500	Below Cal	#	60
6) Chloroethane	1.80	64	812	0.76	ug/l #	43
10) Methyl Iodide	2.52	142	427	4.55	ug/l #	91
11) Tert butyl alcohol	3.10	59	544	1.54	ug/l	98
13) Acrolein	2.28	56	100	0.49	ug/l #	57
16) Acetone	2.45	43	12072	13.76	ug/l	98
18) Methyl Acetate	2.78	43	17371	8.39	ug/l	99
20) Methylene Chloride	2.86	84	3153	0.41	ug/l	92
25) 2-Butanone	4.73	43	4332	3.65	ug/l #	90
29) Tetrahydrofuran	5.18	42	1035	1.42	ug/l #	46
31) Cyclohexane	5.68	56	2552	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	9392	4.09	ug/l #	49
38) Carbon Tetrachloride	5.67	117	13130	5.46	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	923	0.38	ug/l #	85
59) 2-Hexanone	9.51	43	887	0.47	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	43899	25.52	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	43899	80.20	ug/l #	6

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

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Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 34 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

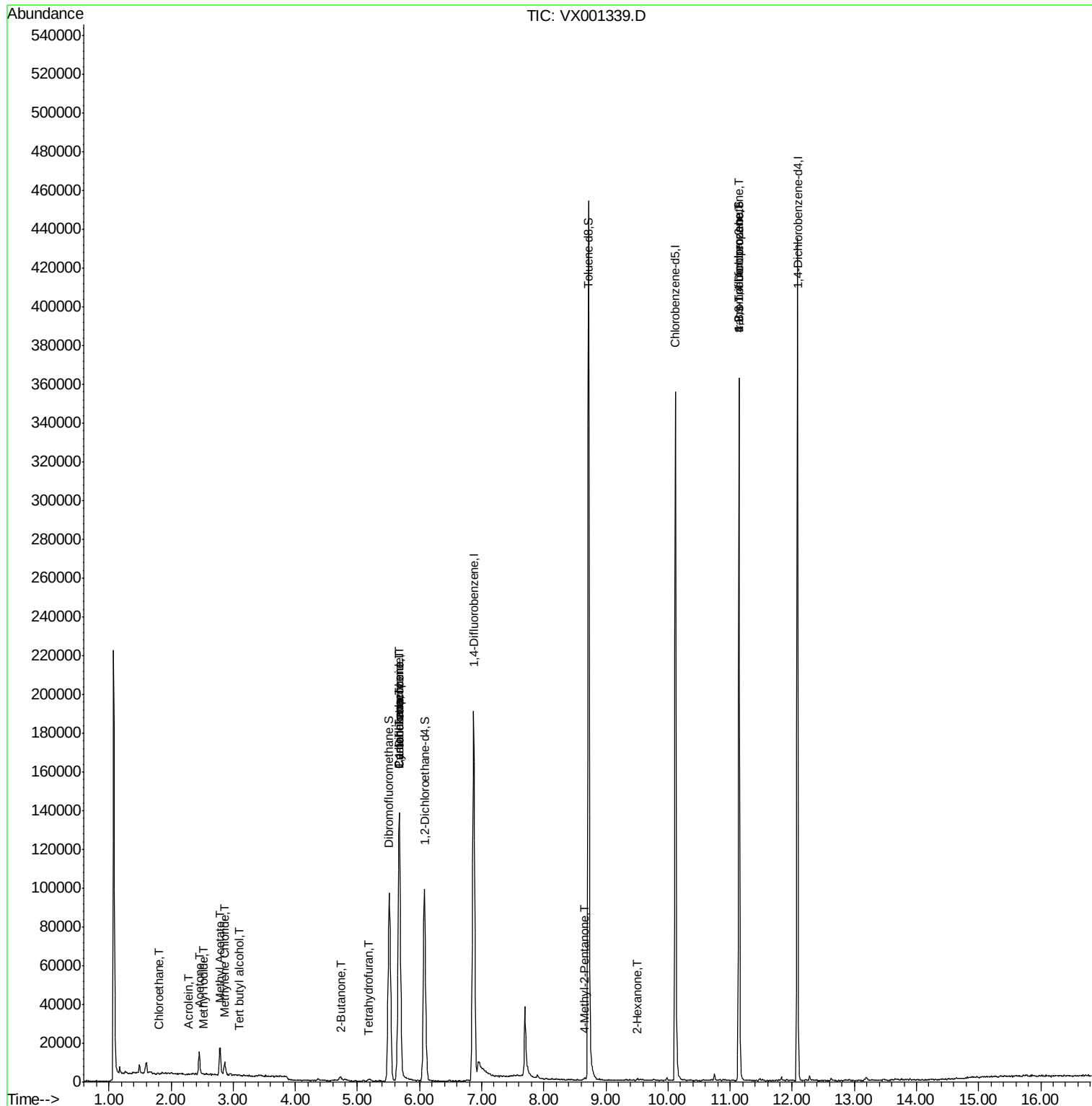
Quant Time: May 03 05:12:20 2018

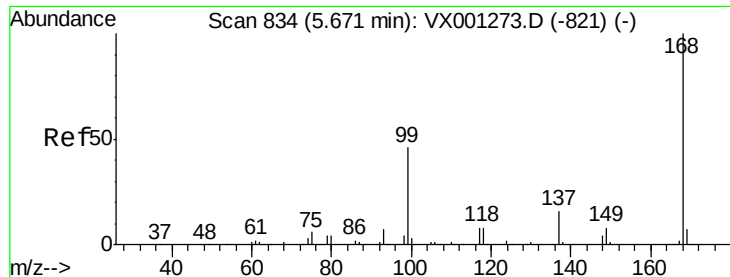
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

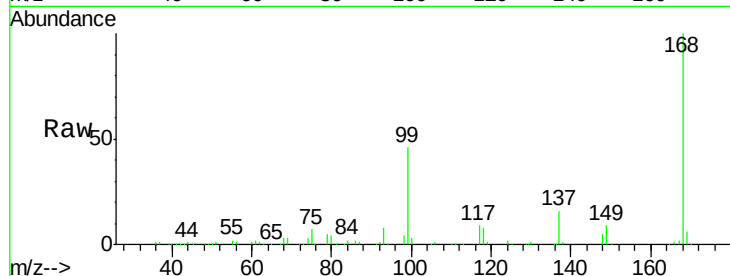
PB108794ZHE#18

Tgt Ion: 168 Resp: 148430

Ion Ratio Lower Upper

168 100

99 46.2 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

30000

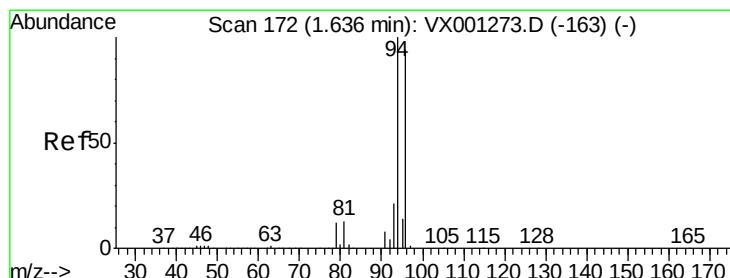
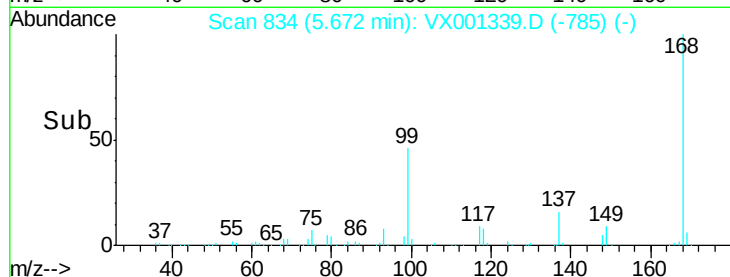
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001339.D

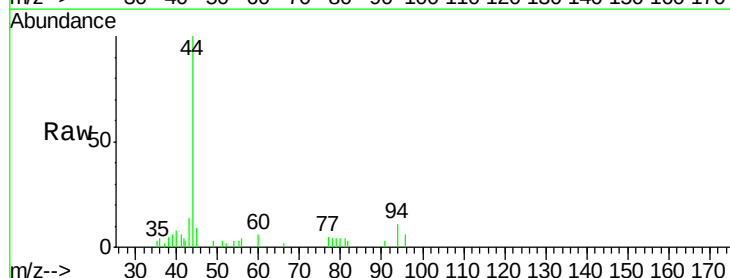
Acq: 03 May 2018 02:05

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 55.3 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

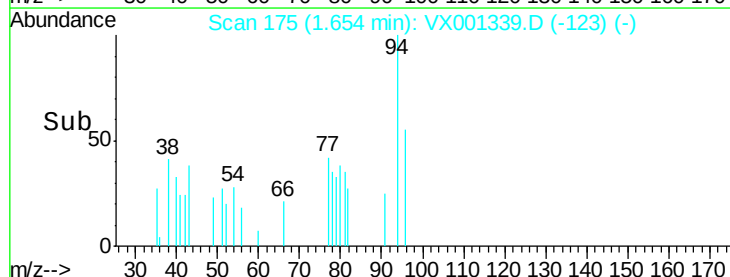
100

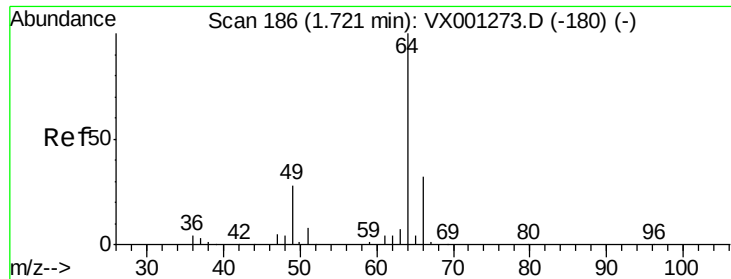
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.76 ug/l

RT: 1.80 min Scan# 199

Delta R.T. 0.08 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

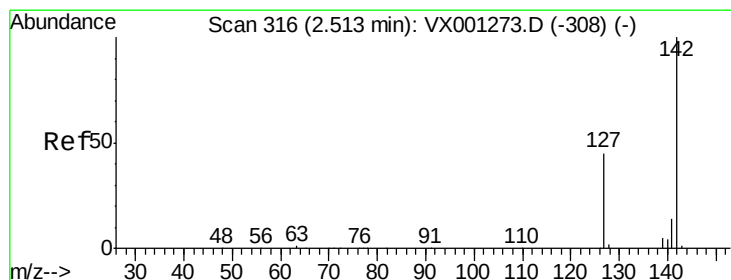
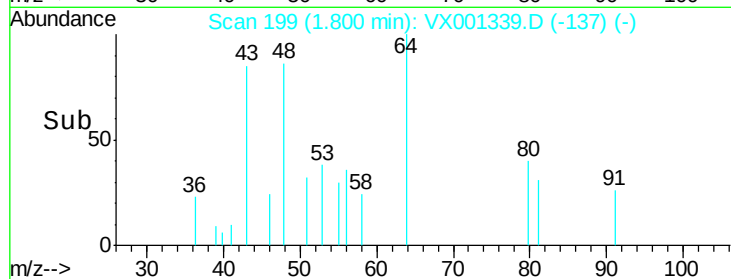
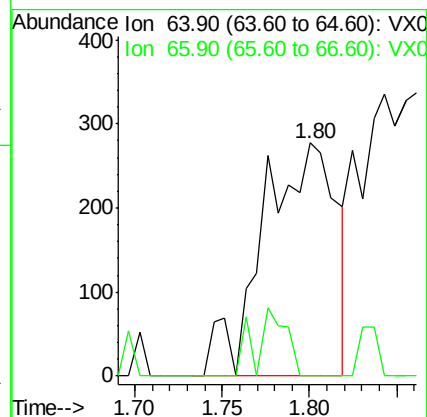
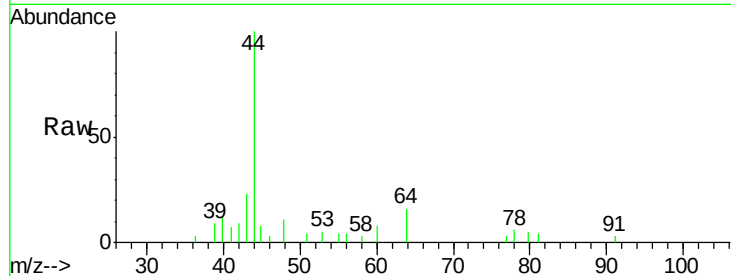
PB108794ZHE#18

Tgt Ion: 64 Resp: 812

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



#10

Methyl Iodide

Concen: 4.55 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

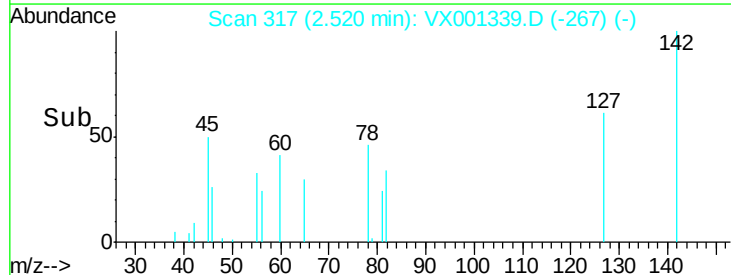
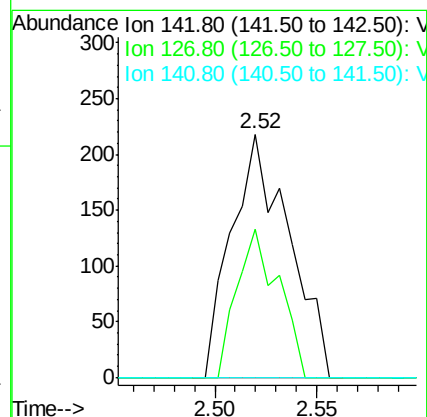
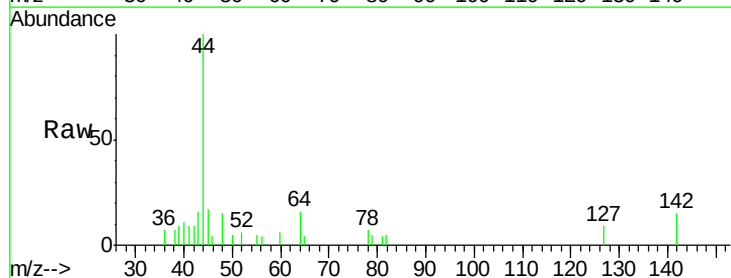
Tgt Ion: 142 Resp: 427

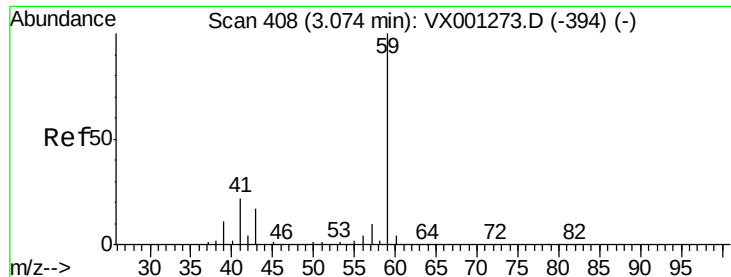
Ion Ratio Lower Upper

142 100

127 44.0 35.7 53.5

141 0.0 11.4 17.0#

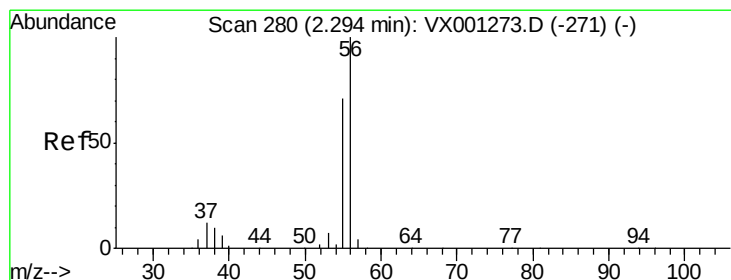
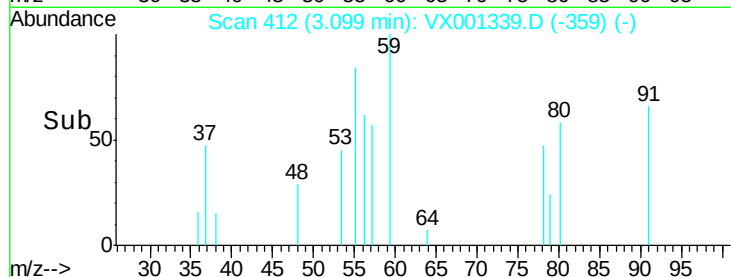
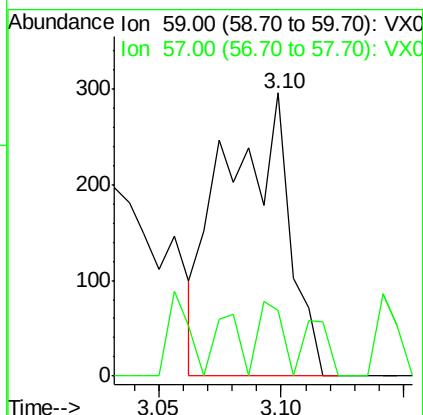
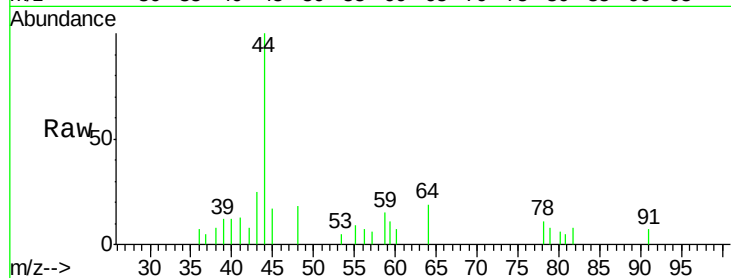




#11
Tert butyl alcohol
Concen: 1.54 ug/l
RT: 3.10 min Scan# 412
Delta R.T. 0.02 min
Lab File: VX001339.D
Acq: 03 May 2018 02:05

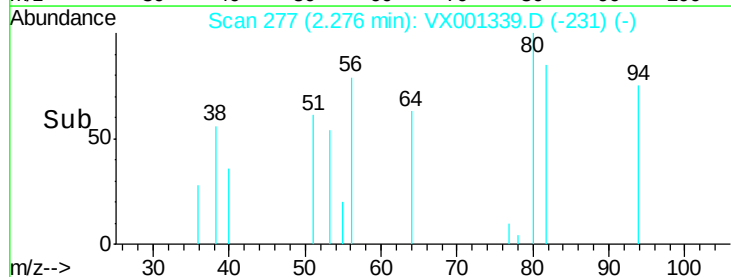
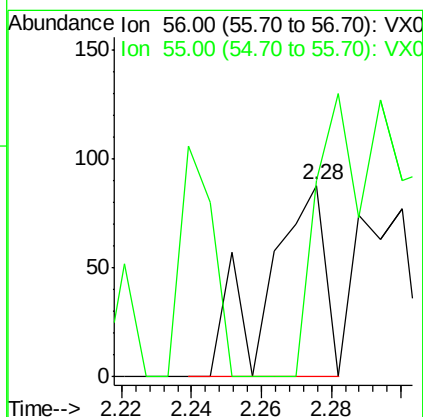
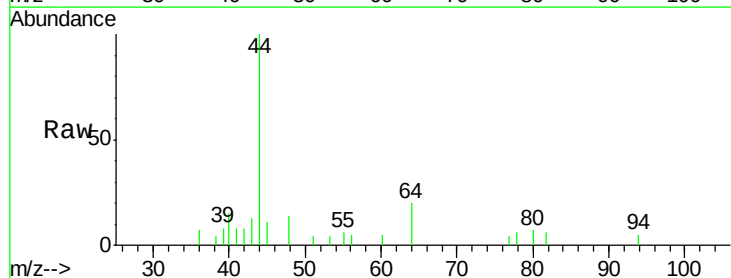
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#18

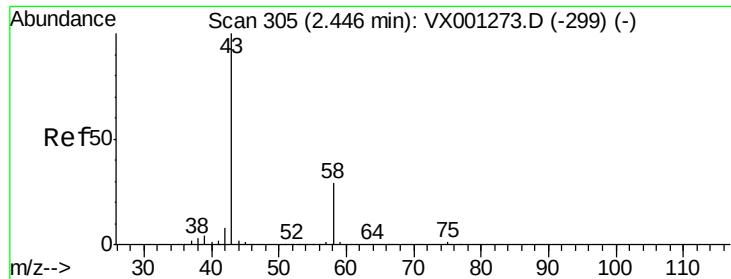
Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
57 9.9 8.6 12.8



#13
Acrolein
Concen: 0.49 ug/l
RT: 2.28 min Scan# 277
Delta R.T. -0.02 min
Lab File: VX001339.D
Acq: 03 May 2018 02:05

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 107.0 57.2 85.8#





#16

Acetone

Concen: 13.76 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

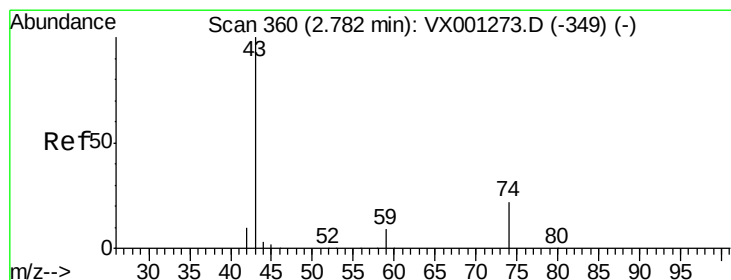
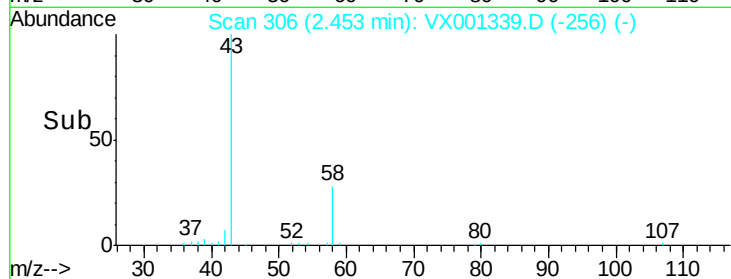
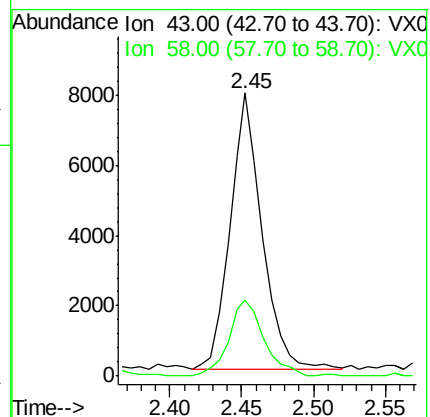
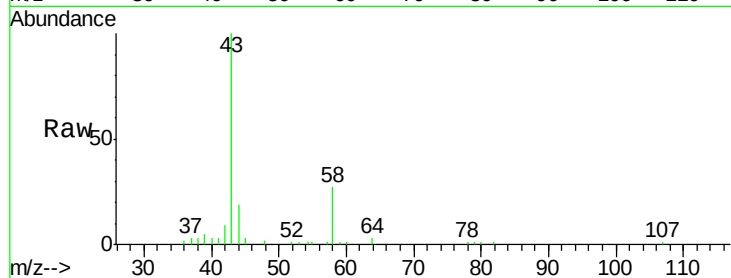
PB108794ZHE#18

Tgt Ion: 43 Resp: 12072

Ion Ratio Lower Upper

43 100

58 27.5 22.8 34.2



#18

Methyl Acetate

Concen: 8.39 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001339.D

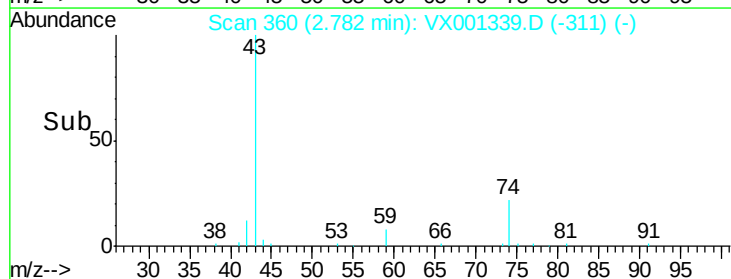
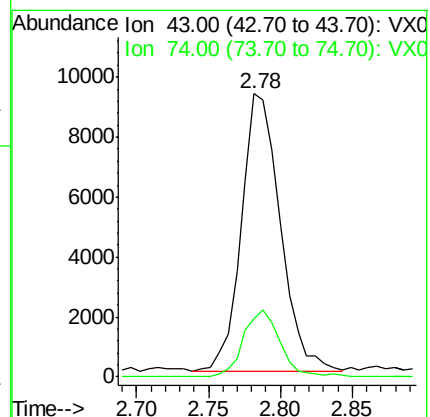
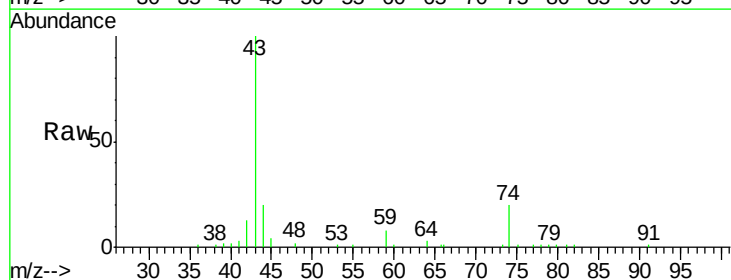
Acq: 03 May 2018 02:05

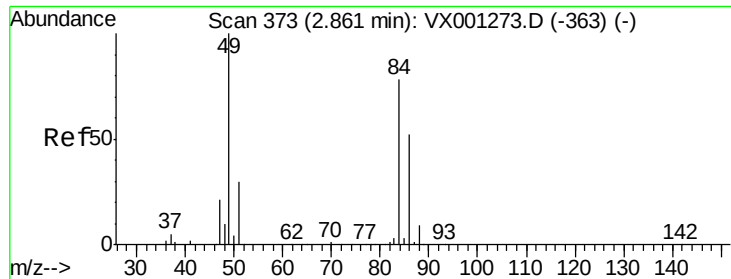
Tgt Ion: 43 Resp: 17371

Ion Ratio Lower Upper

43 100

74 22.8 17.8 26.6





#20

Methylene Chloride

Concen: 0.41 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

Tgt Ion: 84 Resp: 3153

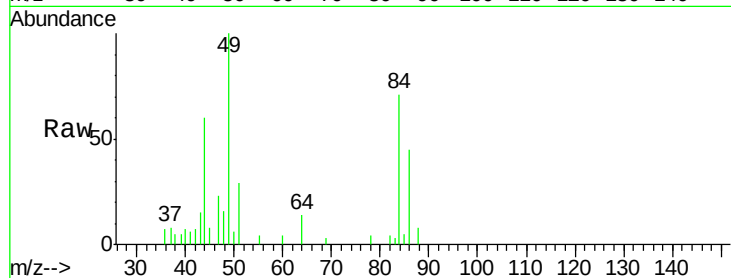
Ion Ratio Lower Upper

84 100

49 140.8 102.8 154.2

51 40.5 30.9 46.3

86 62.9 53.0 79.4

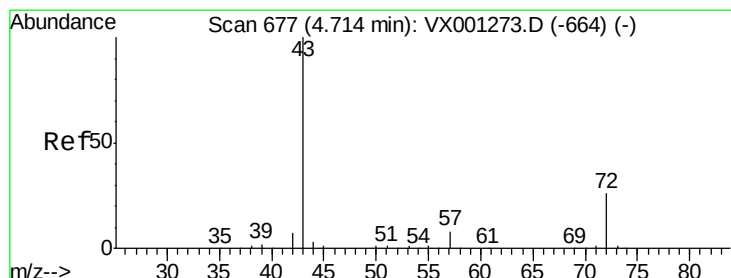
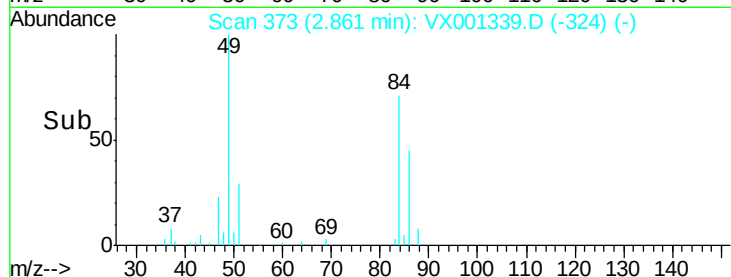
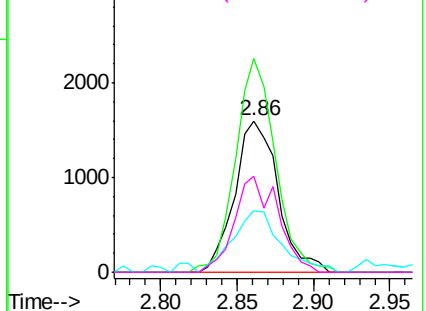


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 3.65 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001339.D

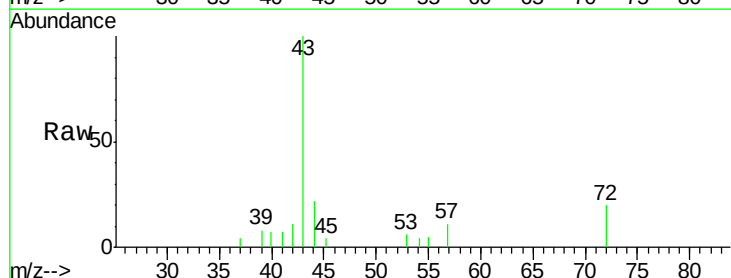
Acq: 03 May 2018 02:05

Tgt Ion: 43 Resp: 4332

Ion Ratio Lower Upper

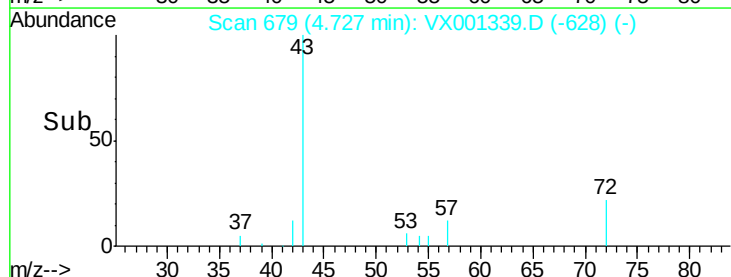
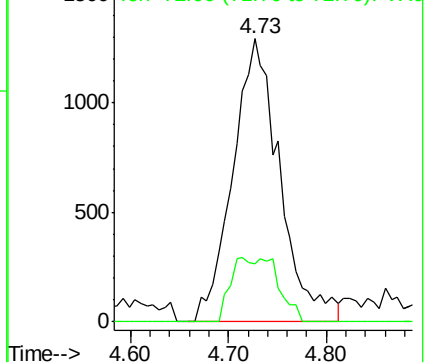
43 100

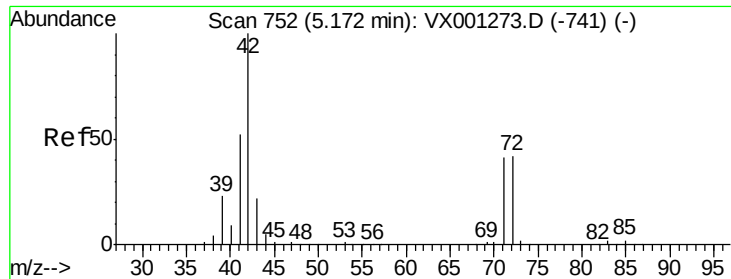
72 20.4 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

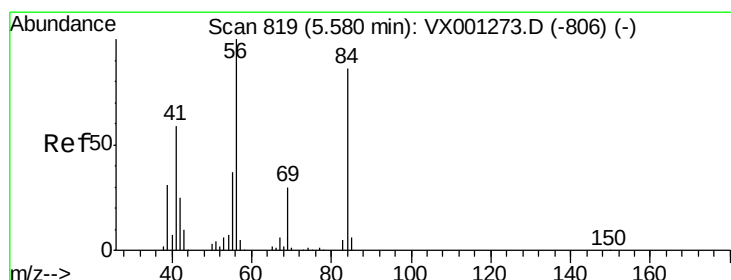
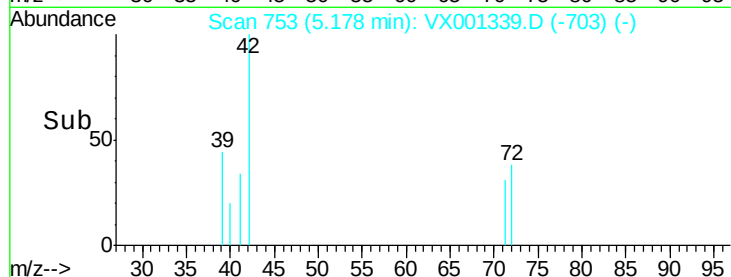
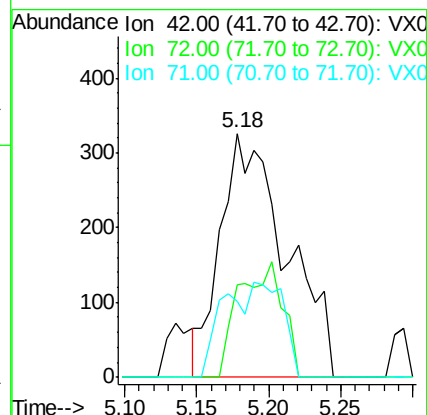
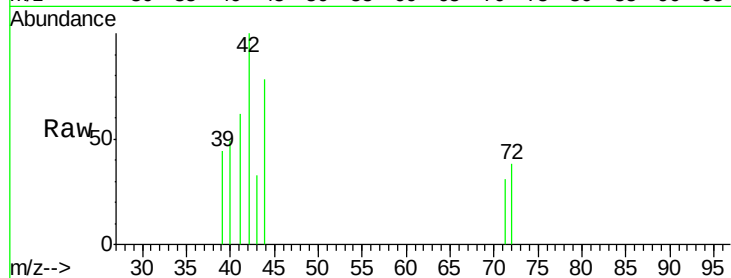
Tgt Ion: 42 Resp: 1035

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 15.8 32.7 49.1#



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

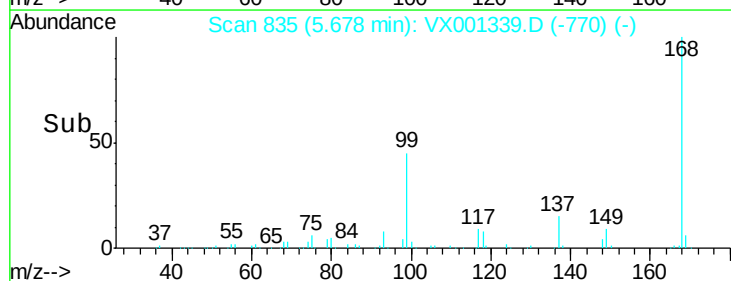
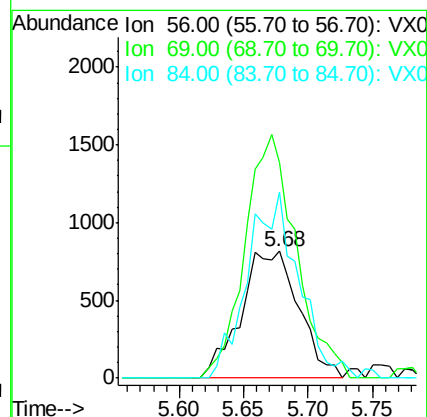
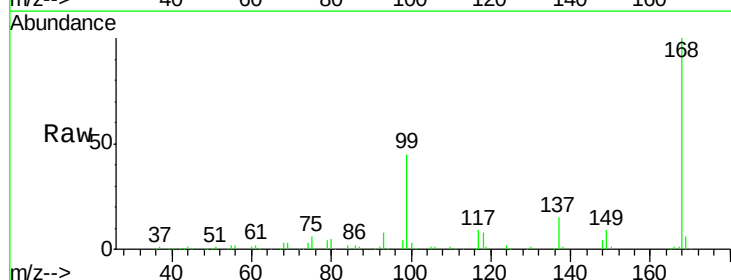
Tgt Ion: 56 Resp: 2552

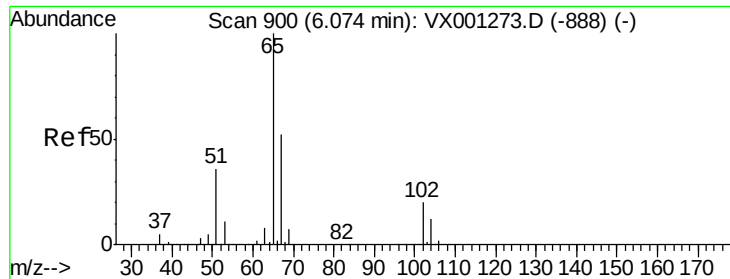
Ion Ratio Lower Upper

56 100

69 169.3 24.0 36.0#

84 146.8 69.0 103.4#

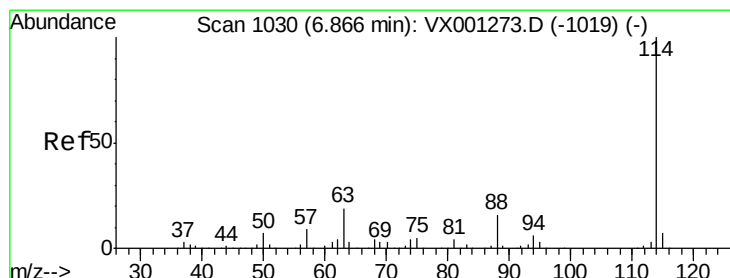
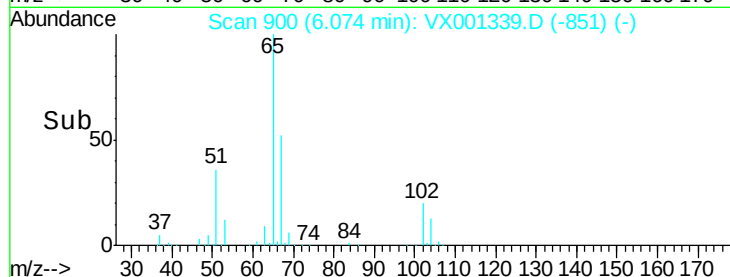
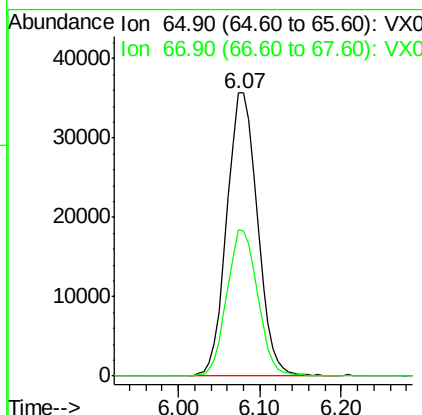
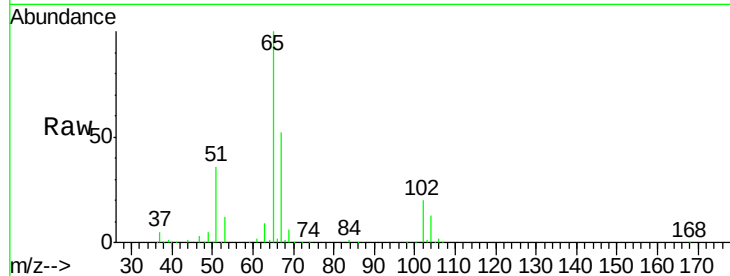




#33
 1,2-Dichloroethane-d4
 Concen: 45.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001339.D
 Acq: 03 May 2018 02:05

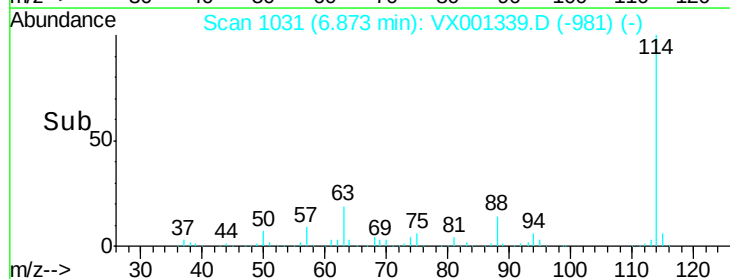
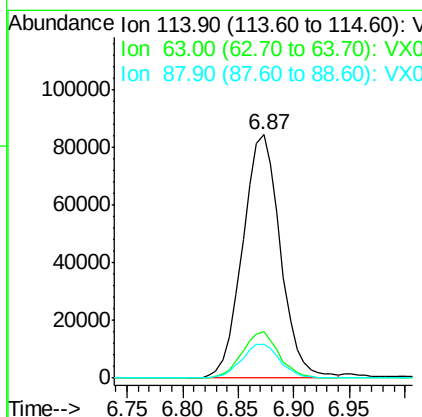
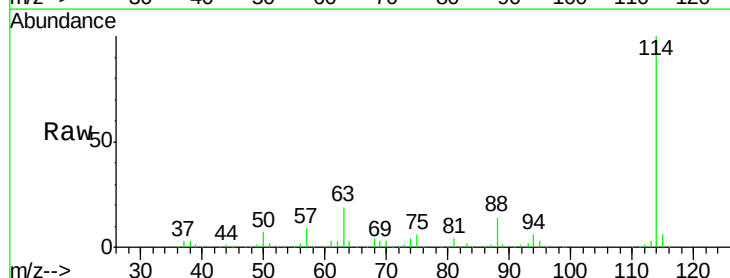
Instrument :
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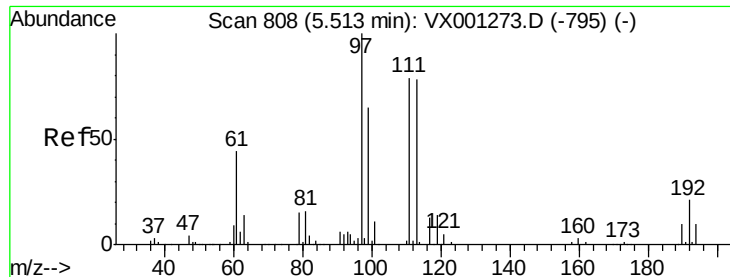
Tgt Ion: 65 Resp: 93038
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001339.D
 Acq: 03 May 2018 02:05

Tgt Ion: 114 Resp: 198842
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 13.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.94 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

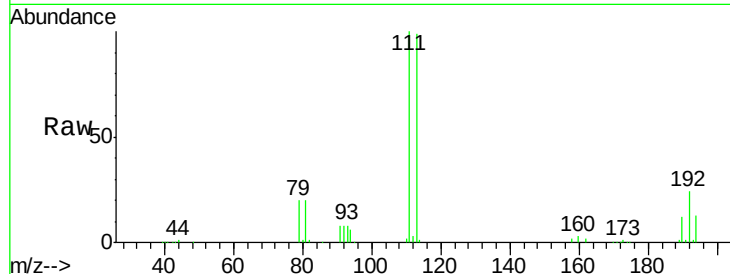
Tgt Ion:113 Resp: 78697

Ion Ratio Lower Upper

113 100

111 100.9 81.2 121.8

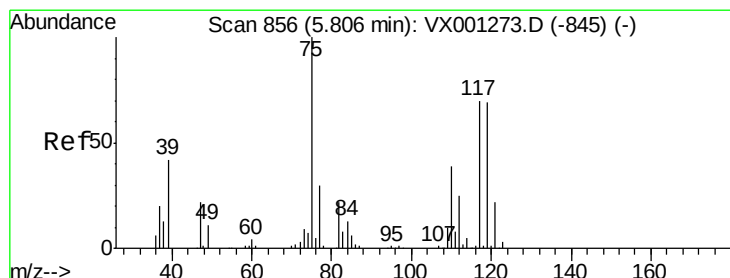
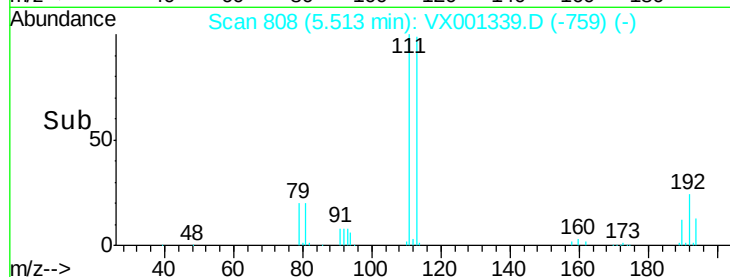
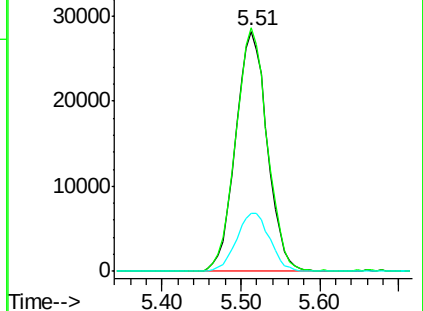
192 25.4 20.7 31.1



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: 4.09 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

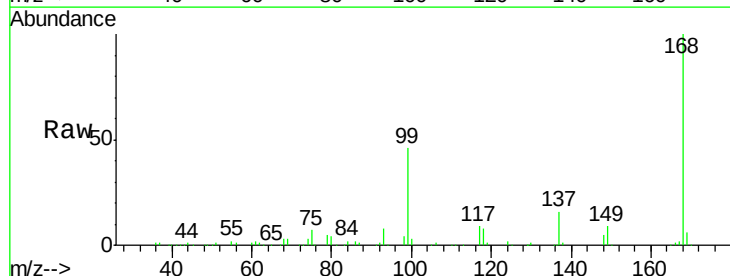
Tgt Ion: 75 Resp: 9392

Ion Ratio Lower Upper

75 100

110 9.8 18.9 56.9#

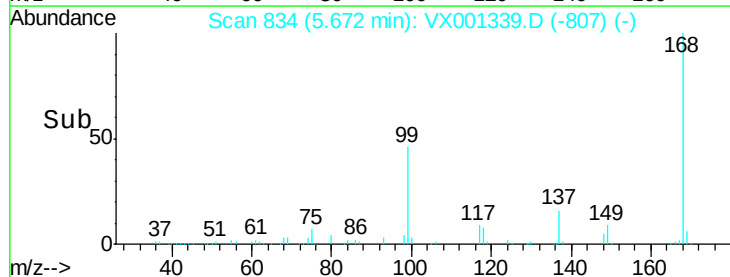
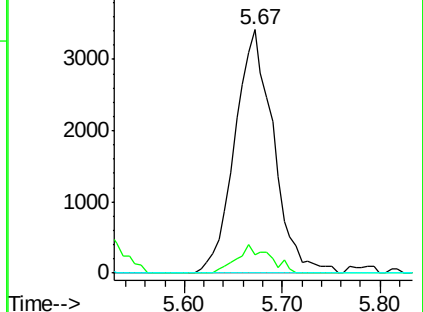
77 0.0 24.2 36.2#

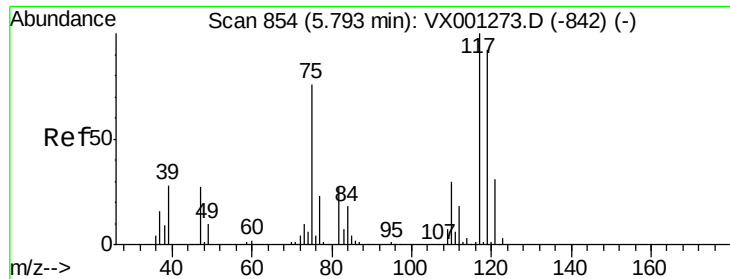


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.46 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

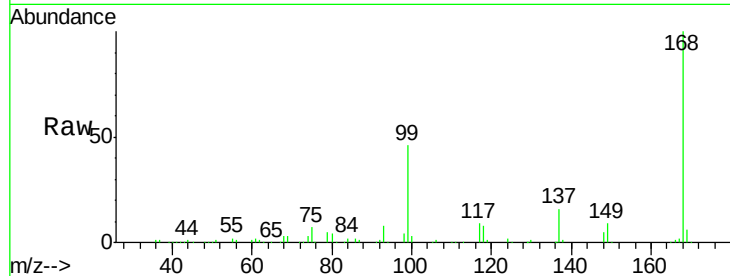
Tgt Ion:117 Resp: 13130

Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

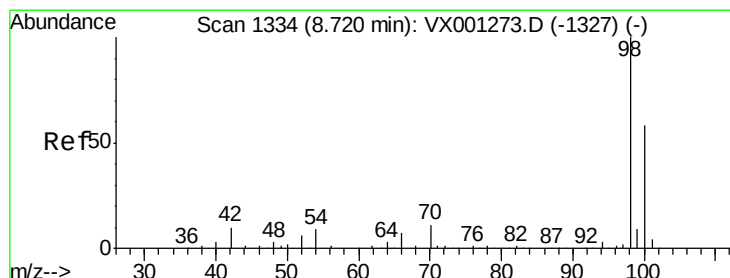
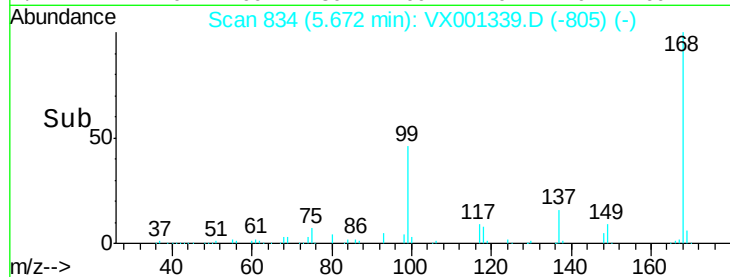
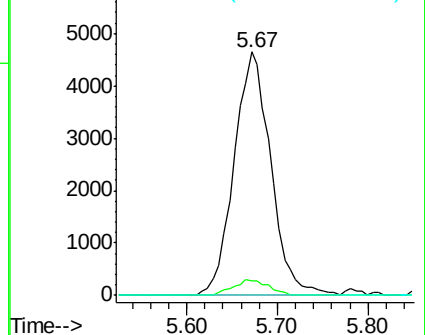
121 0.0 25.0 37.4#



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: 45.80 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001339.D

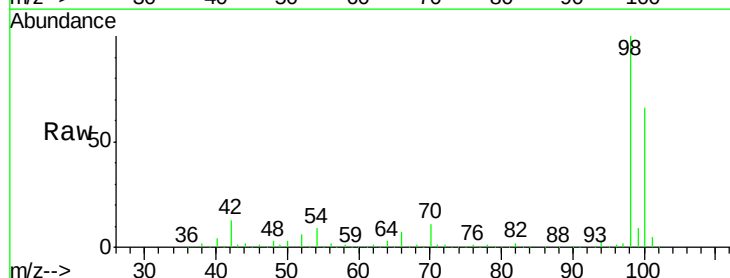
Acq: 03 May 2018 02:05

Tgt Ion: 98 Resp: 280281

Ion Ratio Lower Upper

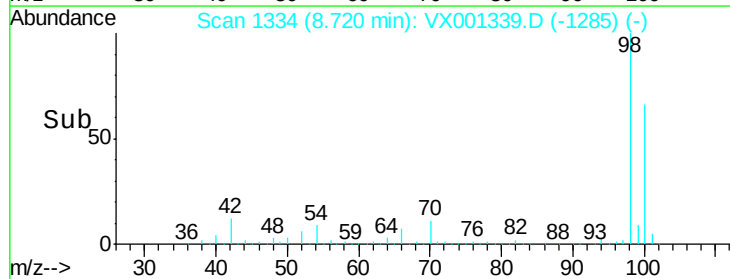
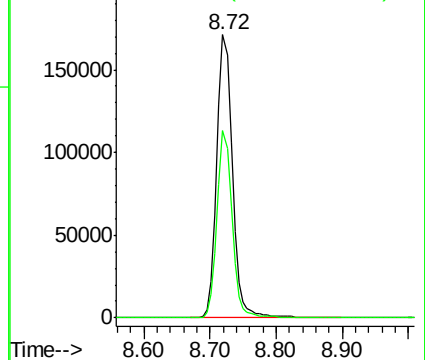
98 100

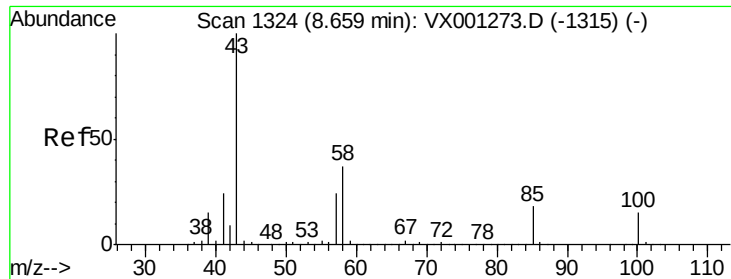
100 64.1 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

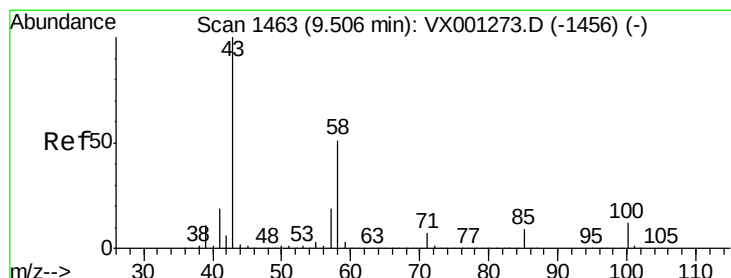
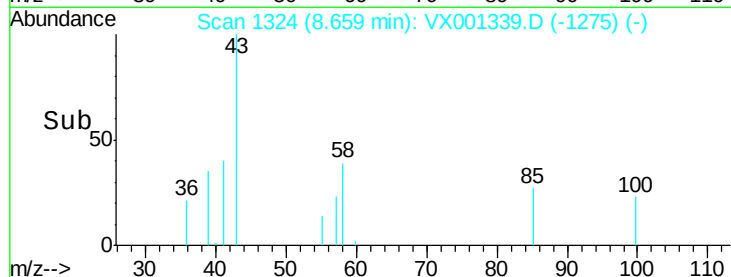
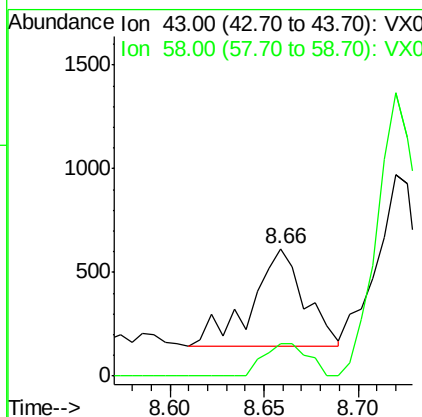
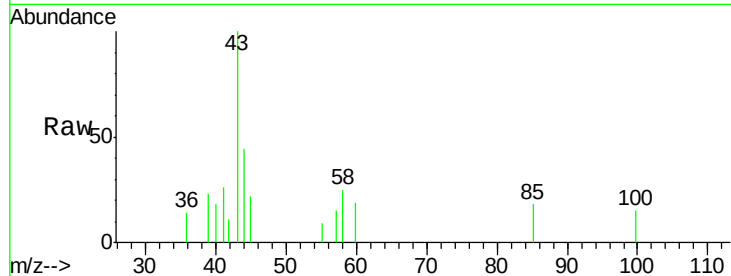




#51
 4-Methyl-2-Pentanone
 Concen: 0.38 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001339.D
 Acq: 03 May 2018 02:05

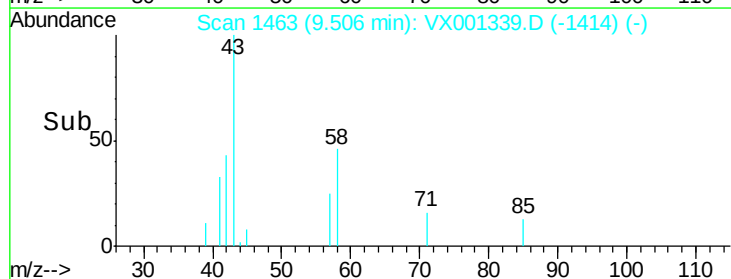
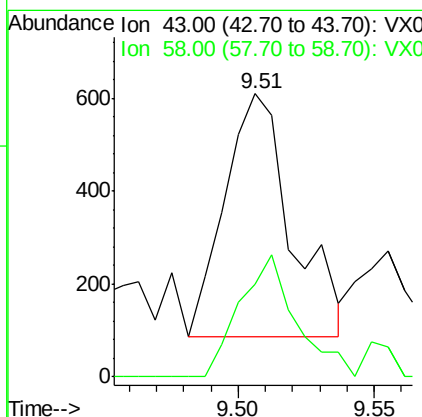
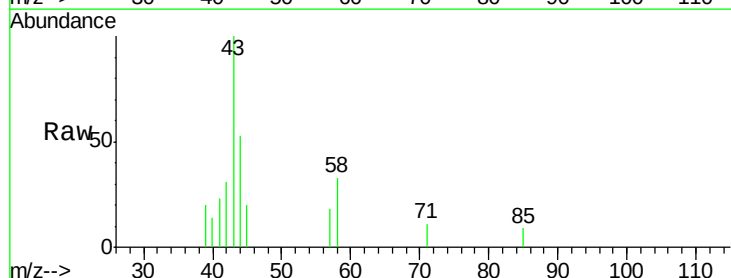
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#18

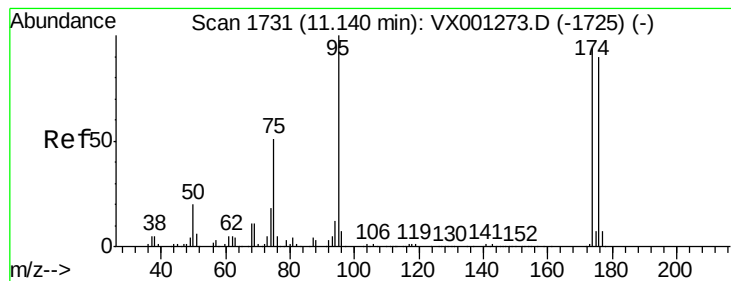
Tgt Ion: 43 Resp: 923
 Ion Ratio Lower Upper
 43 100
 58 27.3 29.0 43.6#



#59
 2-Hexanone
 Concen: 0.47 ug/l
 RT: 9.51 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VX001339.D
 Acq: 03 May 2018 02:05

Tgt Ion: 43 Resp: 887
 Ion Ratio Lower Upper
 43 100
 58 42.6 25.7 77.0





#62

4-Bromofluorobenzene

Concen: 35.59 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

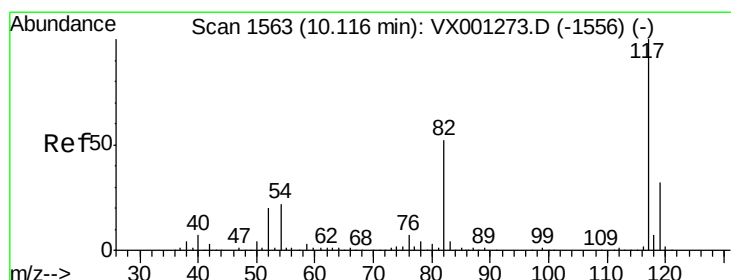
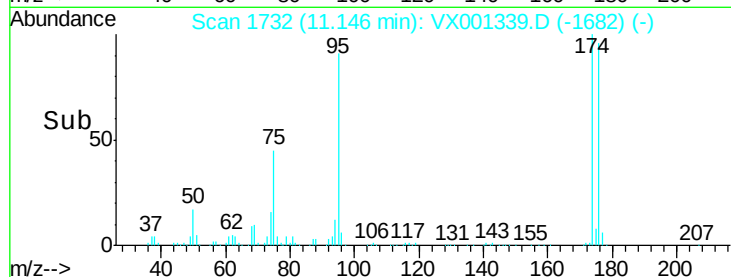
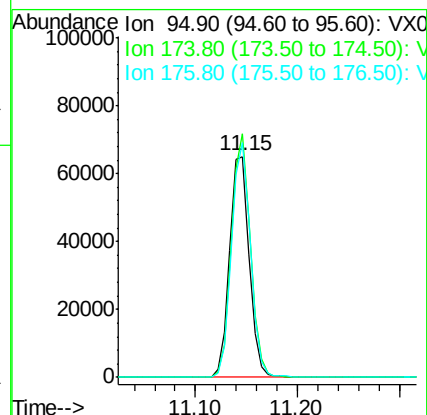
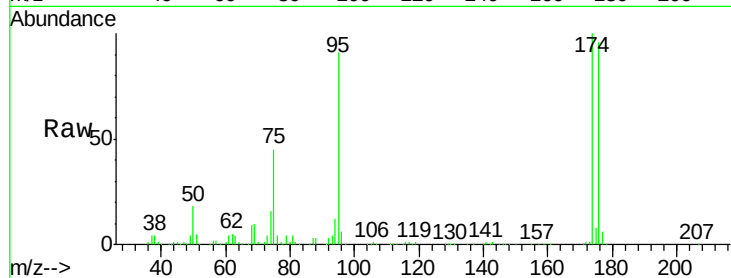
Tgt Ion: 95 Resp: 87121

Ion Ratio Lower Upper

95 100

174 105.5 0.0 201.8

176 101.5 0.0 197.2



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

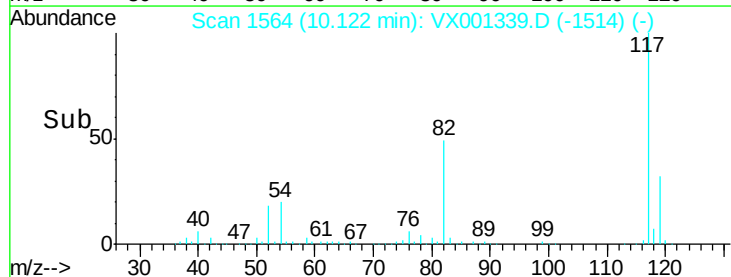
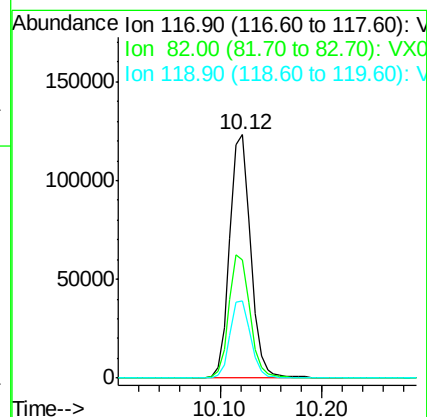
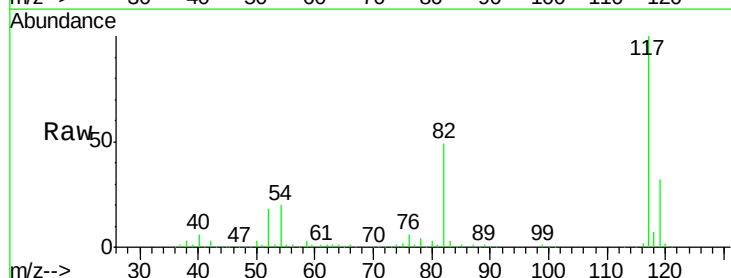
Tgt Ion: 117 Resp: 176168

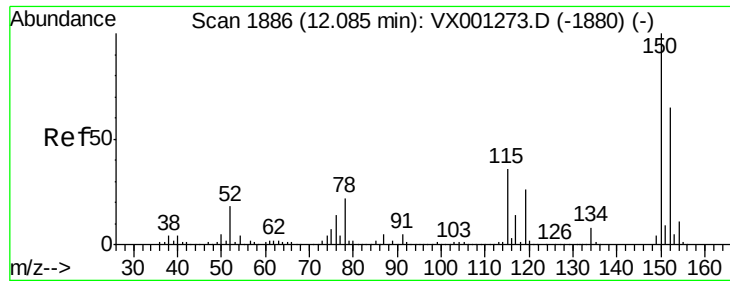
Ion Ratio Lower Upper

117 100

82 48.8 41.4 62.0

119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

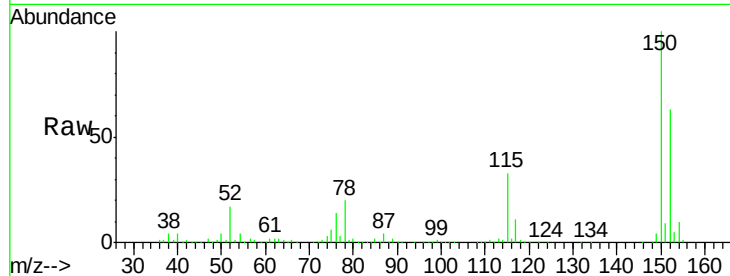
Tgt Ion:152 Resp: 93018

Ion Ratio Lower Upper

152 100

115 52.5 38.6 115.7

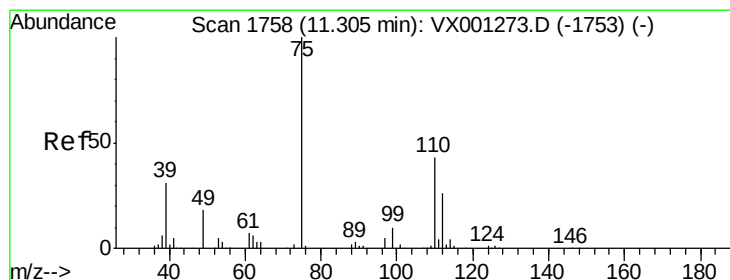
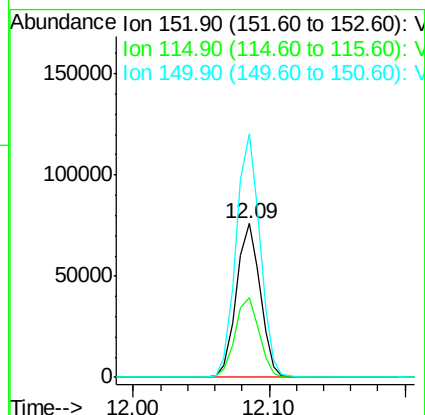
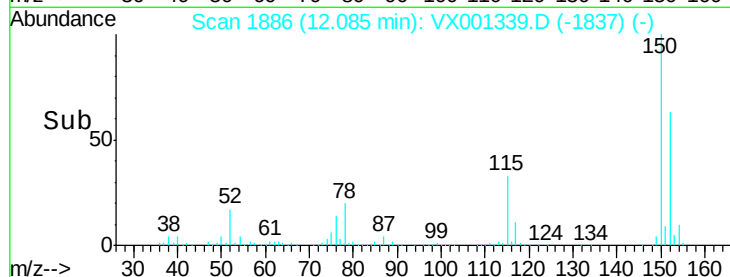
150 158.4 0.0 349.2



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: 25.52 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001339.D

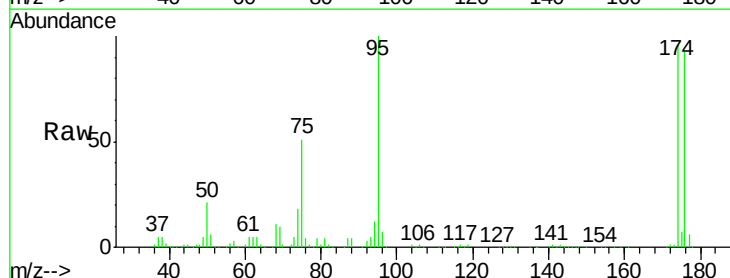
Acq: 03 May 2018 02:05

Tgt Ion: 75 Resp: 43899

Ion Ratio Lower Upper

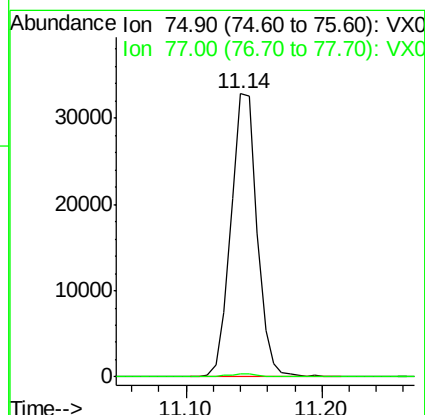
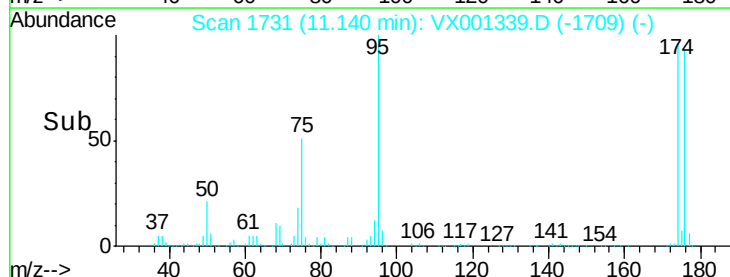
75 100

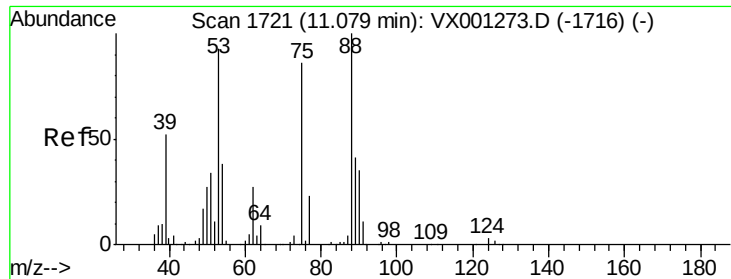
77 1.3 18.9 56.5#



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: 80.20 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001339.D

Acq: 03 May 2018 02:05

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#18

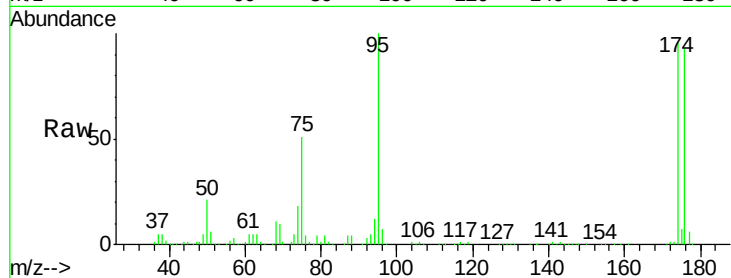
Tgt Ion: 75 Resp: 43899

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.0 38.9 58.3#



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

