

Data File : VX001328.D

Acq On : 02 May 2018 20:15

Operator : JC/MD

Sample : PB108794ZHE#13

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#13

Quant Time: May 03 05:06:53 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	145175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	190574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80239	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	89004	44.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.58%	
35) Dibromofluoromethane	5.51	113	73922	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
50) Toluene-d8	8.72	98	266181	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
62) 4-Bromofluorobenzene	11.15	95	79094	33.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.44%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	672	Below Cal		95
6) Chloroethane	1.75	64	3332	3.18 ug/l	#	57
10) Methyl Iodide	2.53	142	651	4.67 ug/l	#	92
11) Tert butyl alcohol	3.09	59	558	1.61 ug/l	#	87
13) Acrolein	2.31	56	124	0.62 ug/l	#	61
16) Acetone	2.45	43	12514	14.59 ug/l		96
18) Methyl Acetate	2.79	43	17154	8.47 ug/l		96
20) Methylene Chloride	2.85	84	3414	0.63 ug/l		95
25) 2-Butanone	4.73	43	4314	3.72 ug/l	#	87
29) Tetrahydrofuran	5.18	42	395	0.55 ug/l	#	30
31) Cyclohexane	5.67	56	2786	1.13 ug/l	#	36
36) 1,1-Dichloropropene	5.67	75	8702	3.96 ug/l	#	45
37) Ethyl Acetate	4.73	43	4314	1.94 ug/l	#	71
38) Carbon Tetrachloride	5.67	117	12037	5.22 ug/l	#	18
43) Isopropyl Acetate	6.49	43	809	0.22 ug/l	#	66
51) 4-Methyl-2-Pentanone	8.65	43	751	0.32 ug/l		96
59) 2-Hexanone	9.51	43	1001	0.55 ug/l		81
74) N-amyl acetate	6.49	43	809	0.35 ug/l	#	65
76) 1,2,3-Trichloropropane	11.14	75	38849	26.18 ug/l	#	40
81) trans-1,4-Dichloro-2-buten	11.14	75	38849	82.17 ug/l	#	6

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

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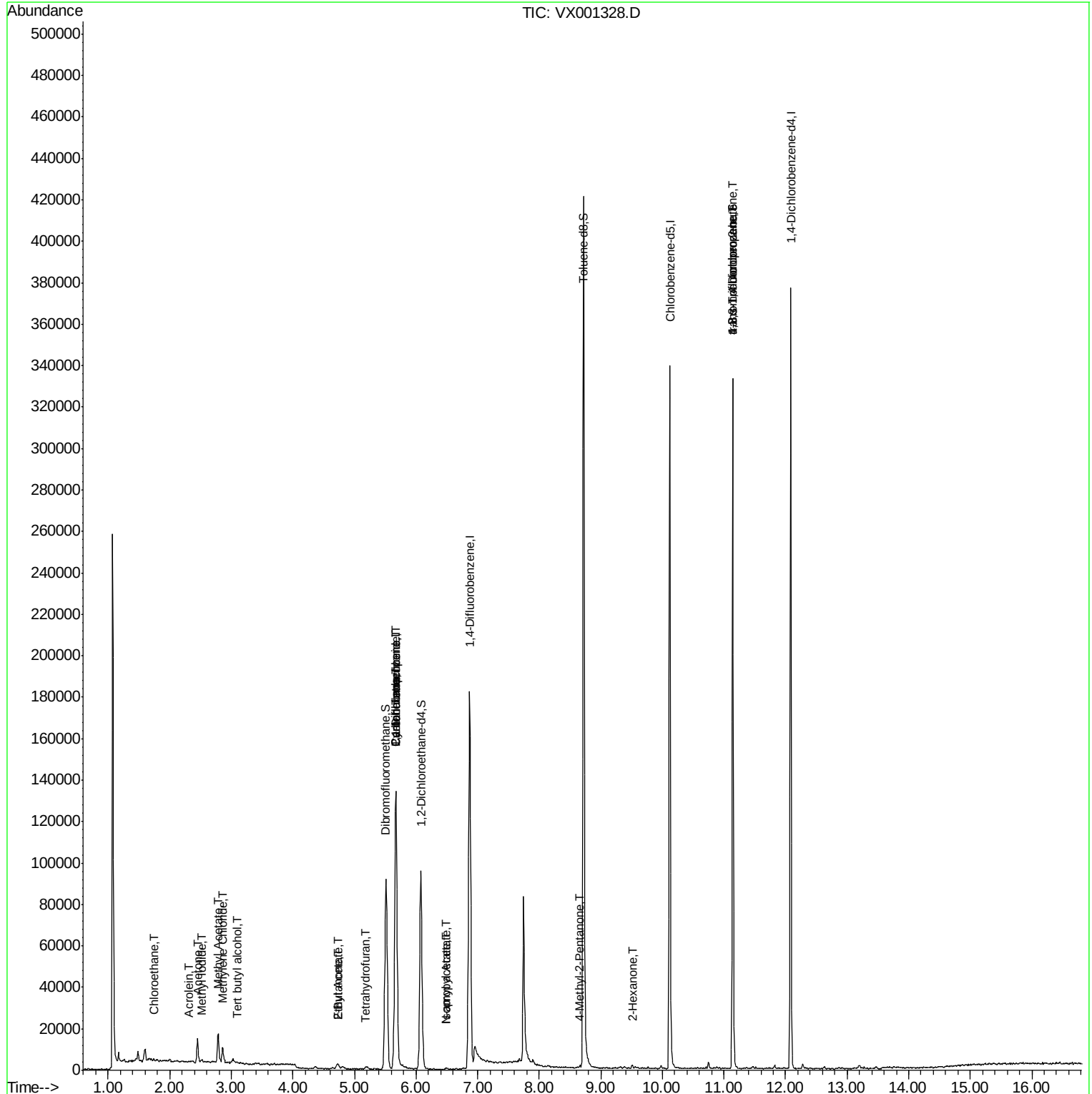
Quant Time: May 03 05:06:53 2018

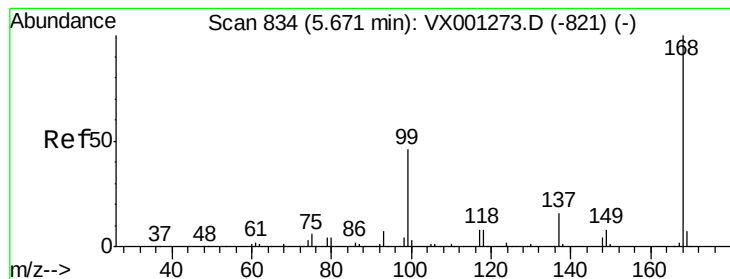
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

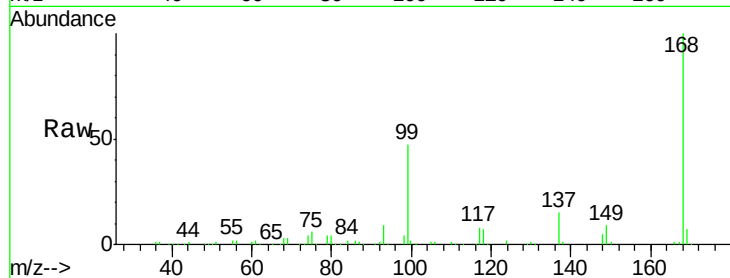
PB108794ZHE#13

Tgt Ion:168 Resp: 145175

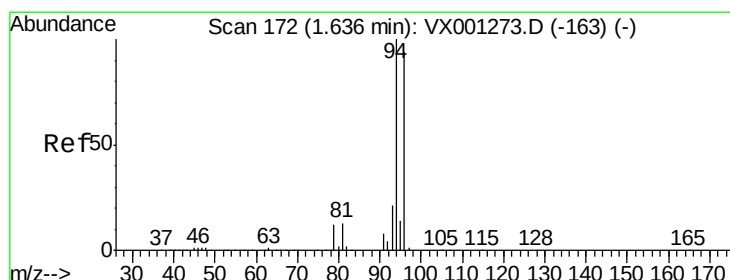
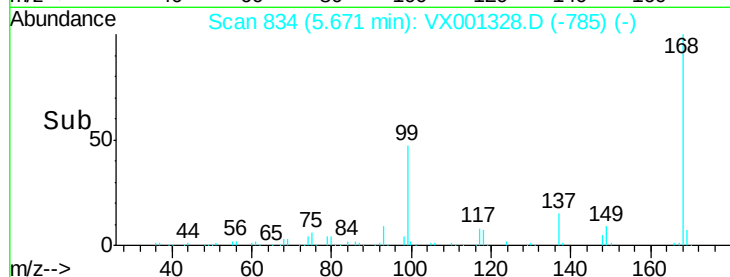
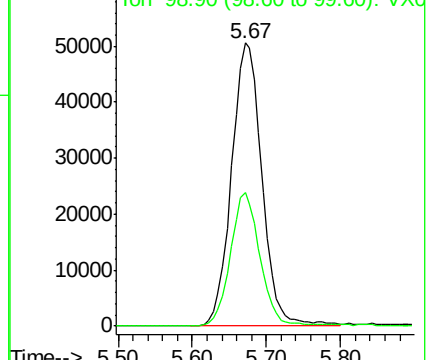
Ion Ratio Lower Upper

168 100

99 47.1 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): VX001328.D (-785) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001328.D

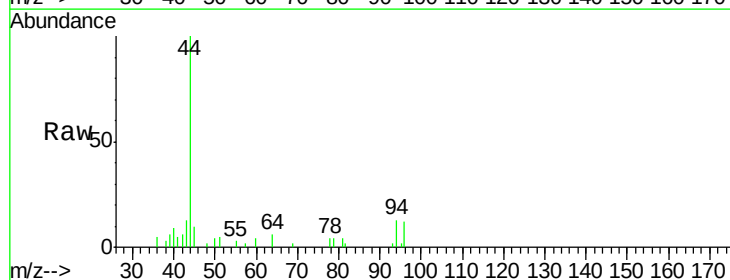
Acq: 02 May 2018 20:15

Tgt Ion: 94 Resp: 672

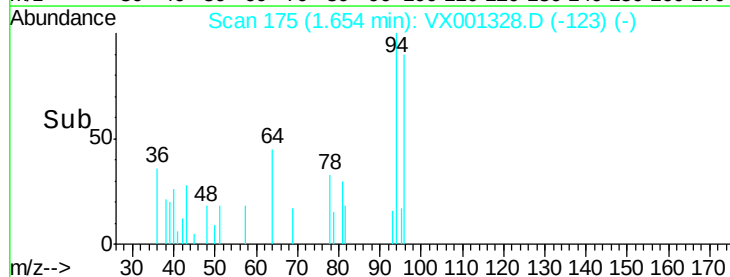
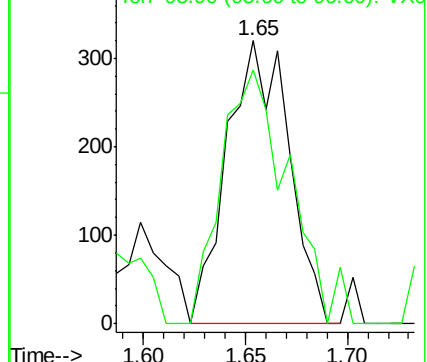
Ion Ratio Lower Upper

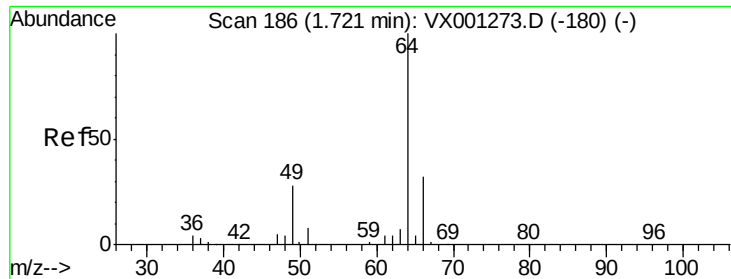
94 100

96 89.7 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX001328.D (-123) (-)





#6

Chloroethane

Concen: 3.18 ug/l

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

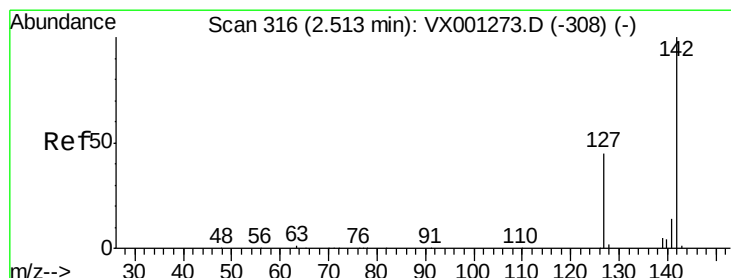
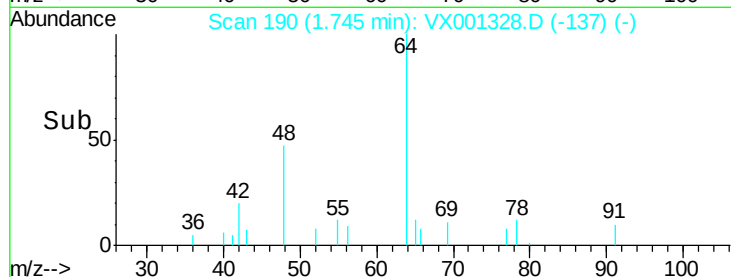
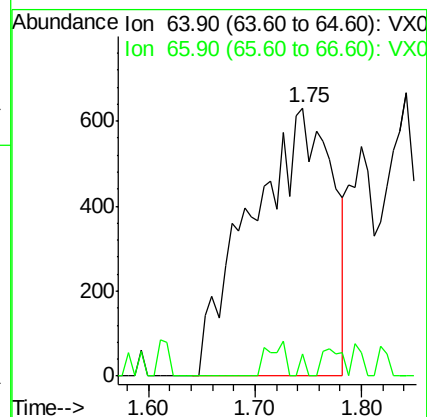
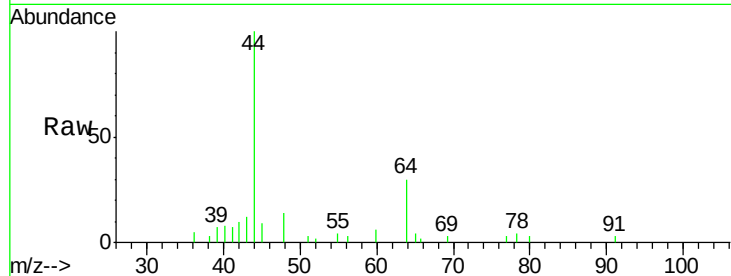
PB108794ZHE#13

Tgt Ion: 64 Resp: 3332

Ion Ratio Lower Upper

64 100

66 8.1 25.7 38.5#



#10

Methyl Iodide

Concen: 4.67 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

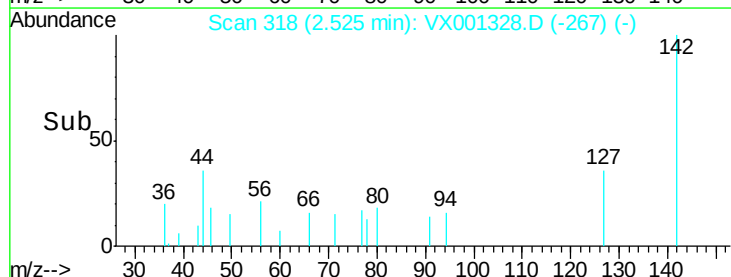
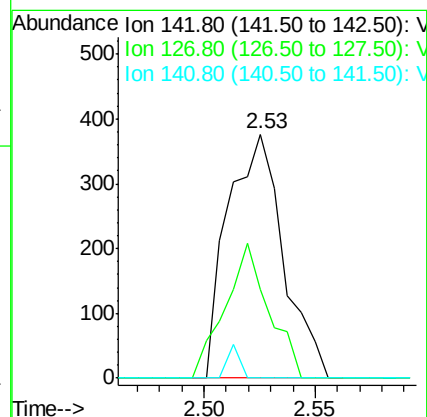
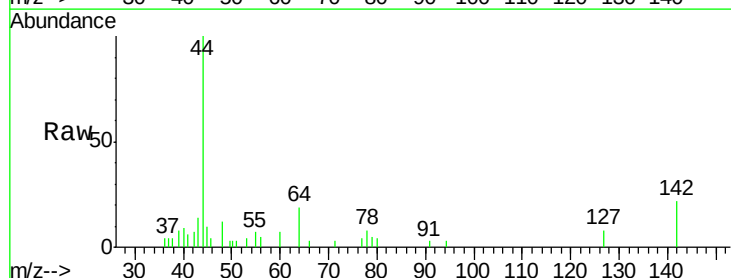
Tgt Ion: 142 Resp: 651

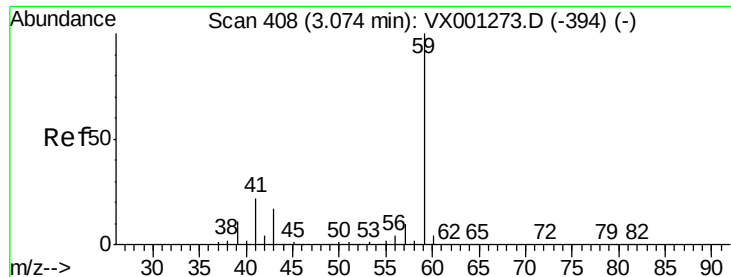
Ion Ratio Lower Upper

142 100

127 43.8 35.7 53.5

141 2.9 11.4 17.0#

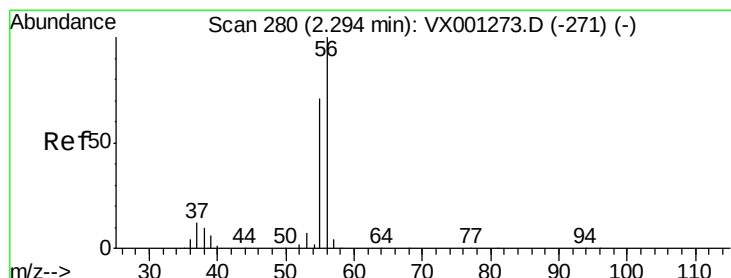
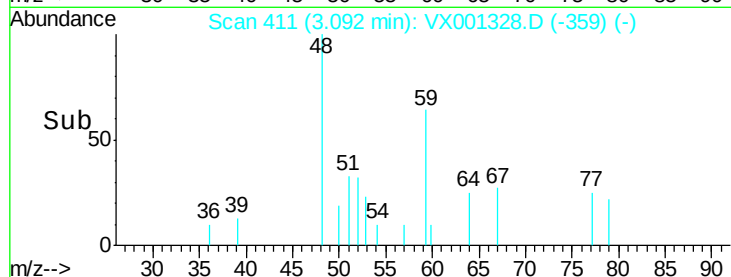
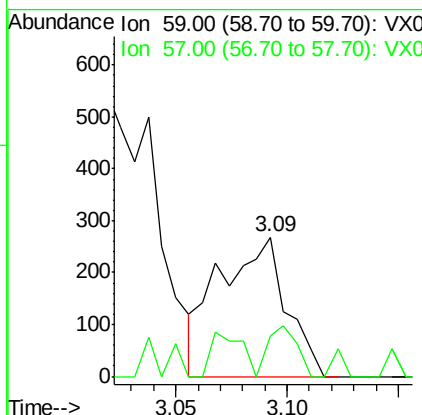
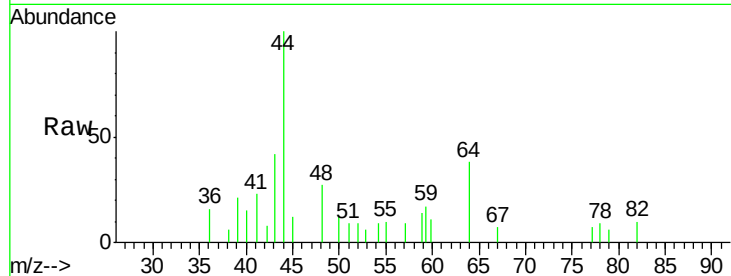




#11
Tert butyl alcohol
Concen: 1.61 ug/l
RT: 3.09 min Scan# 411
Delta R.T. 0.02 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

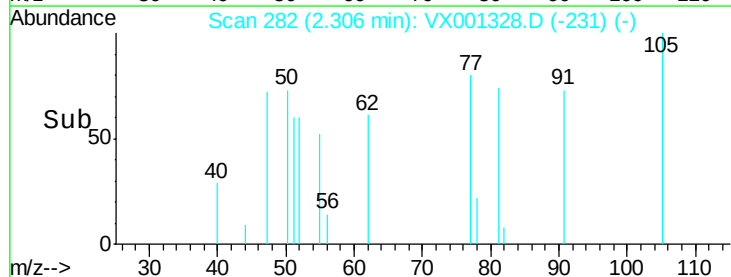
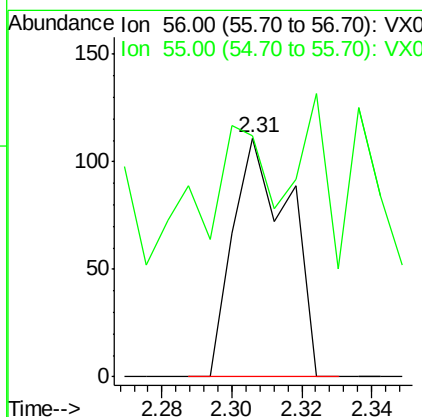
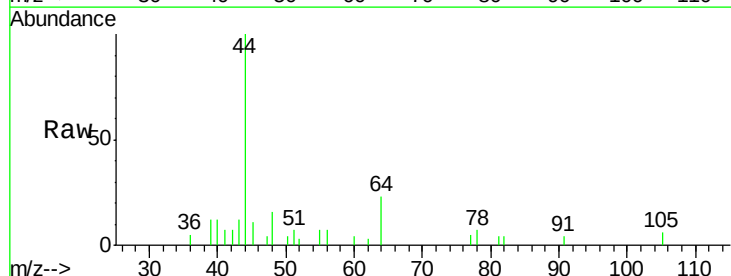
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#13

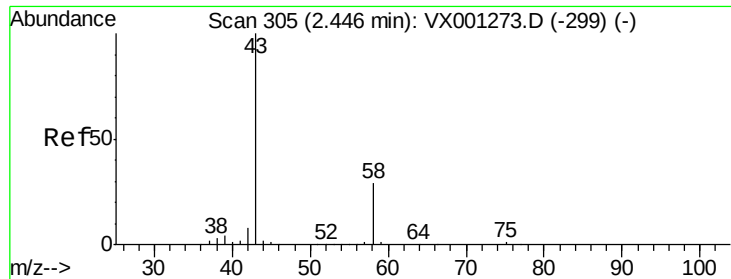
Tgt Ion: 59 Resp: 558
Ion Ratio Lower Upper
59 100
57 15.6 8.6 12.8#



#13
Acrolein
Concen: 0.62 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 39.5 57.2 85.8#





#16

Acetone

Concen: 14.59 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

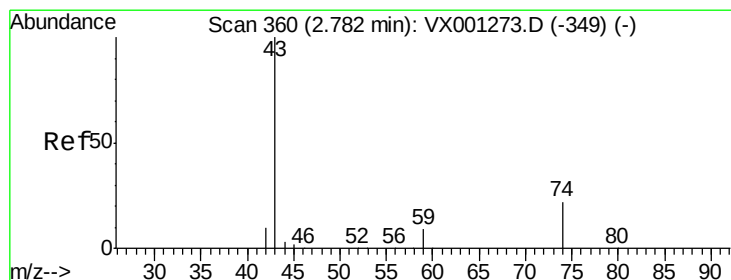
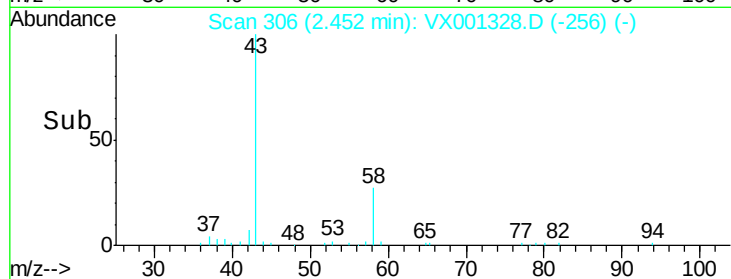
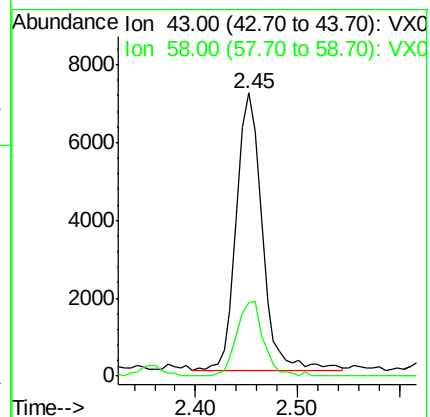
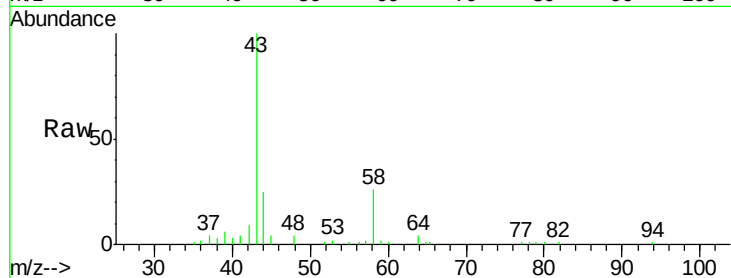
PB108794ZHE#13

Tgt Ion: 43 Resp: 12514

Ion Ratio Lower Upper

43 100

58 26.6 22.8 34.2



#18

Methyl Acetate

Concen: 8.47 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001328.D

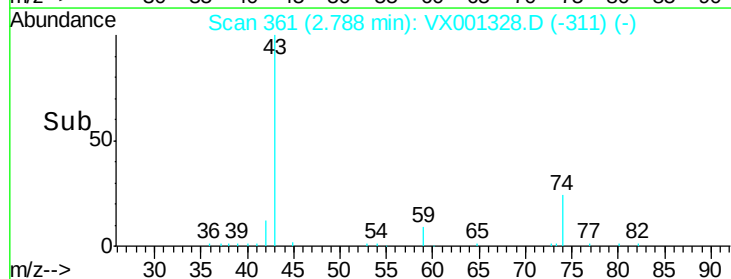
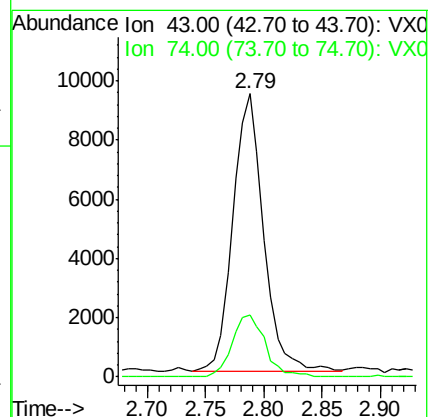
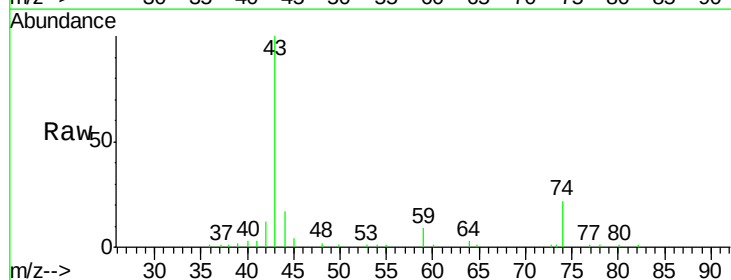
Acq: 02 May 2018 20:15

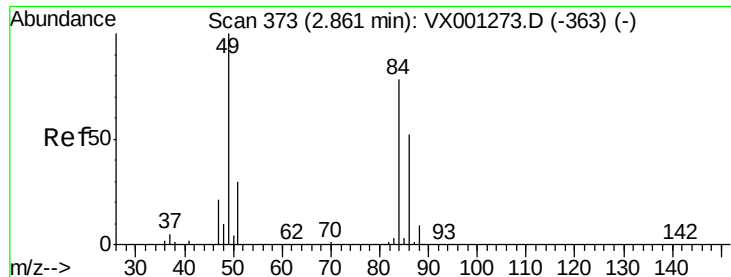
Tgt Ion: 43 Resp: 17154

Ion Ratio Lower Upper

43 100

74 24.0 17.8 26.6

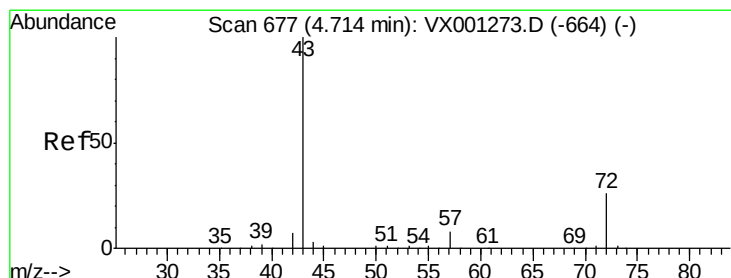
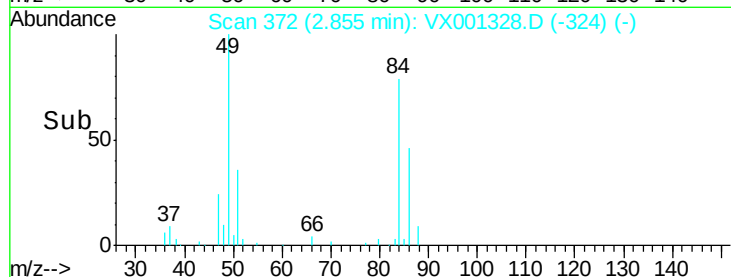
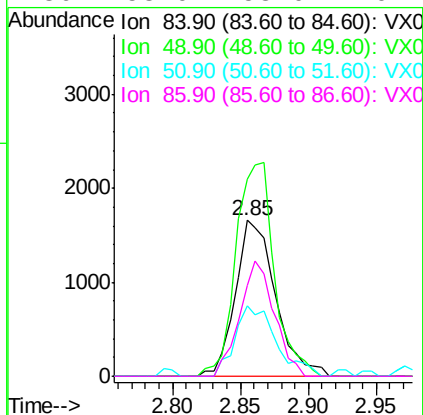
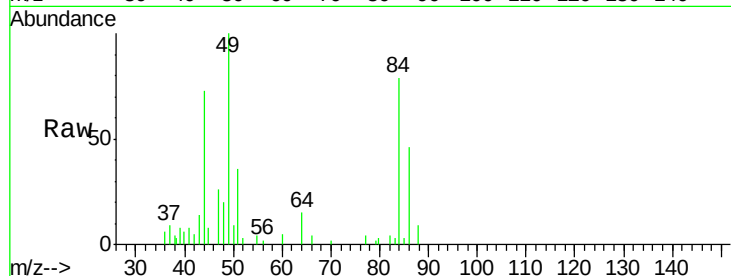




#20
Methylene Chloride
Concen: 0.63 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

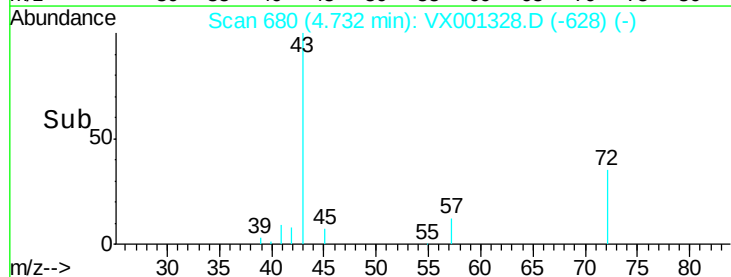
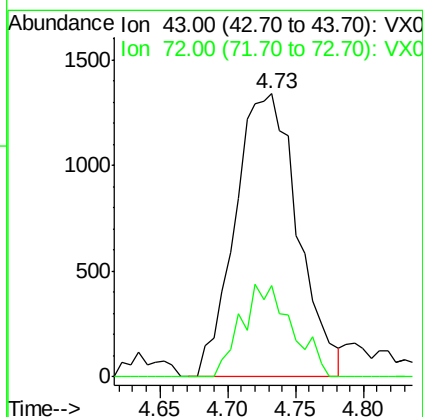
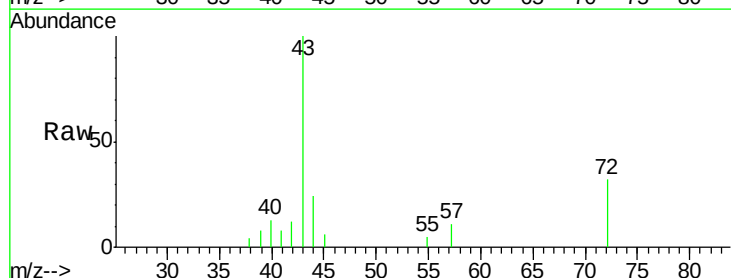
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#13

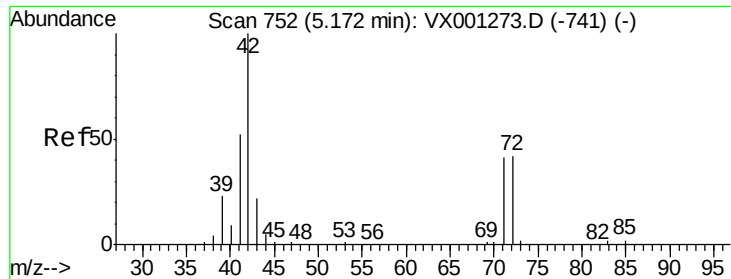
Tgt Ion:	84	Resp:	3414
Ion	Ratio	Lower	Upper
84	100		
49	127.1	102.8	154.2
51	45.3	30.9	46.3
86	58.0	53.0	79.4



#25
2-Butanone
Concen: 3.72 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

Tgt Ion:	43	Resp:	4314
Ion	Ratio	Lower	Upper
43	100		
72	32.2	20.5	30.7#





#29

Tetrahydrofuran

Concen: 0.55 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#13

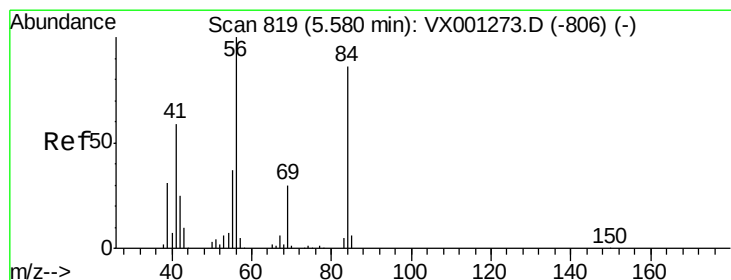
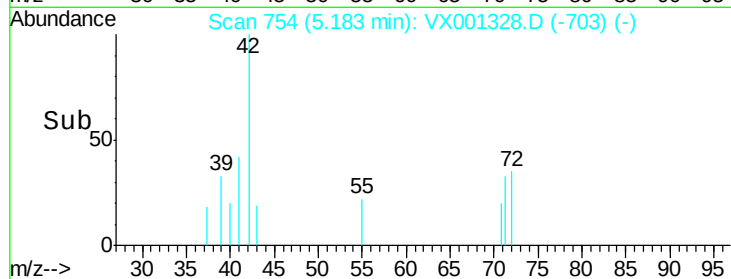
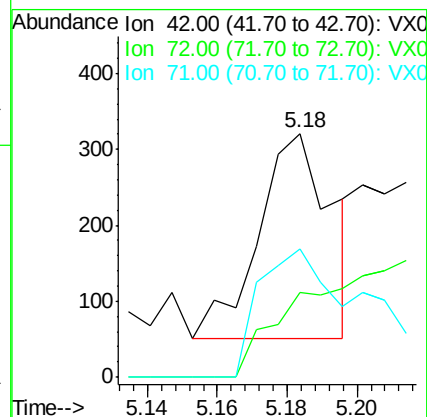
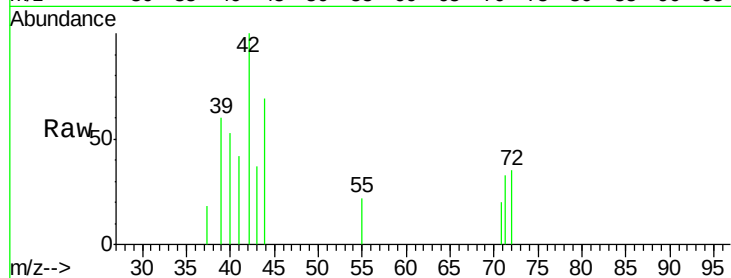
Tgt Ion: 42 Resp: 395

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 86.1 32.7 49.1#



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

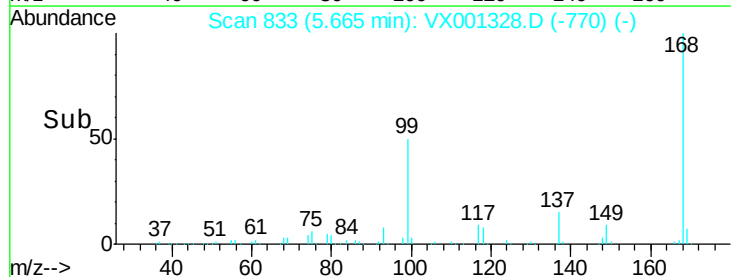
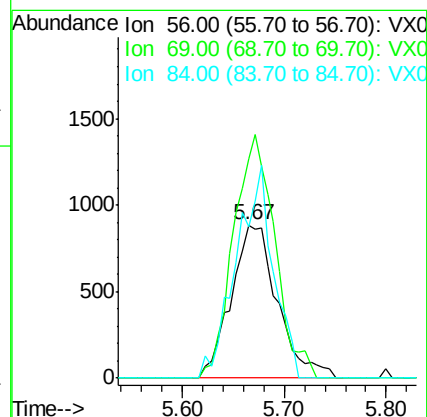
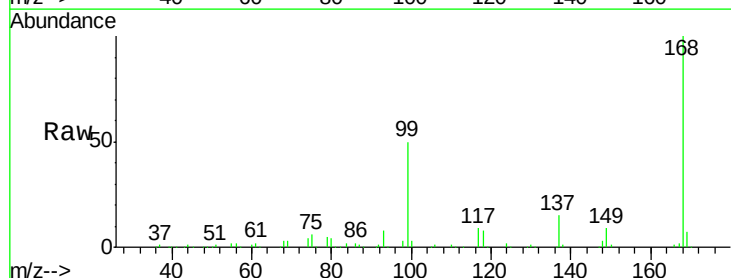
Tgt Ion: 56 Resp: 2786

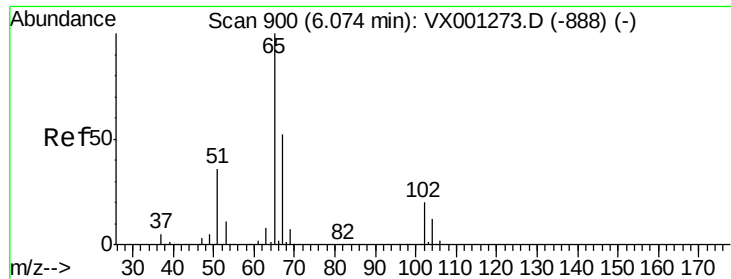
Ion Ratio Lower Upper

56 100

69 143.1 24.0 36.0#

84 99.1 69.0 103.4

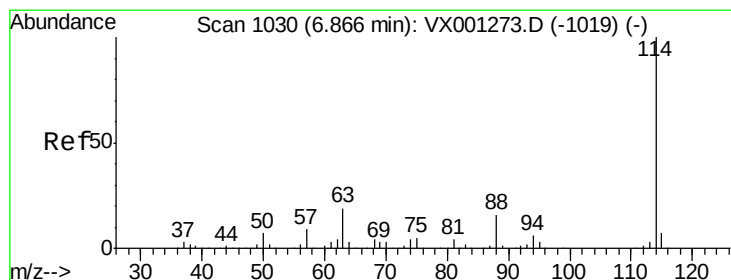
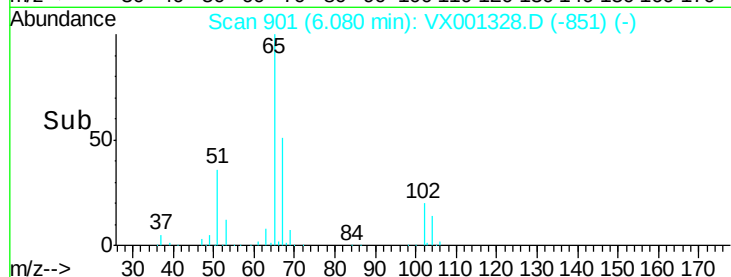
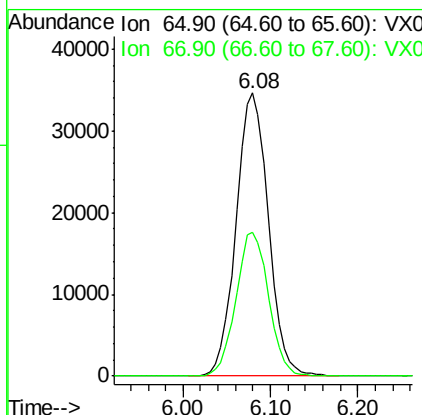
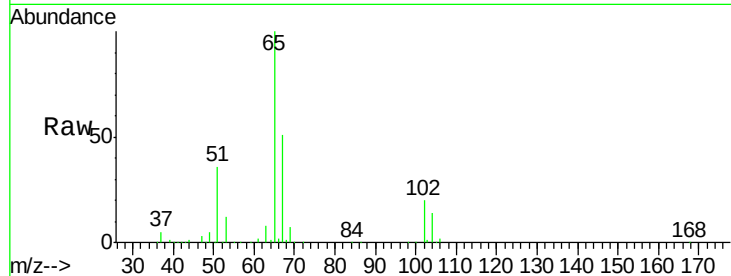




#33
 1,2-Dichloroethane-d4
 Concen: 44.29 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001328.D
 Acq: 02 May 2018 20:15

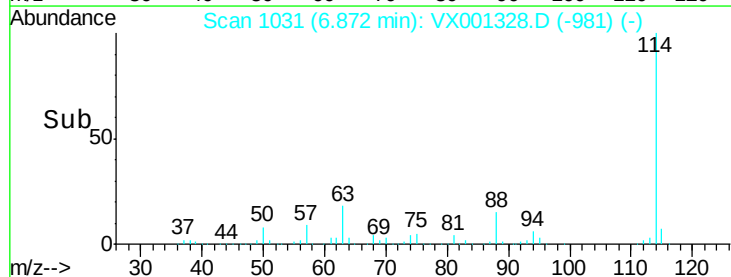
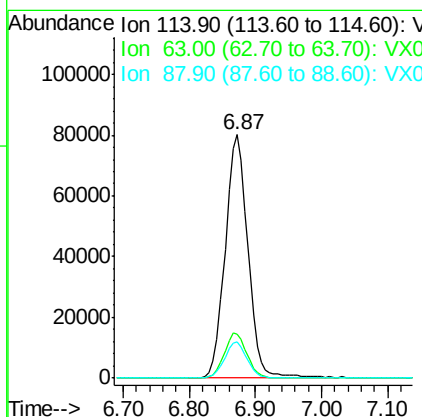
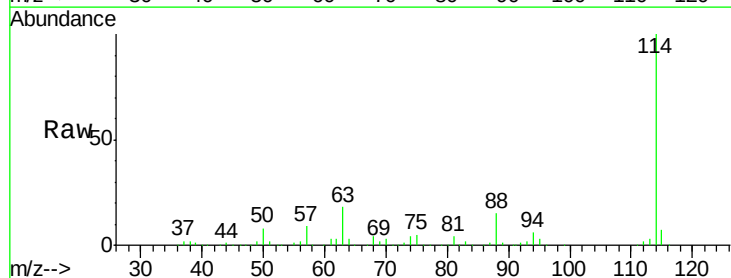
Instrument :
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 PB108794ZHE#13

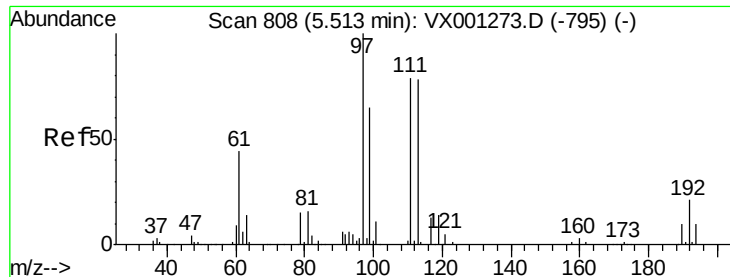
Tgt Ion: 65 Resp: 89004
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001328.D
 Acq: 02 May 2018 20:15

Tgt Ion: 114 Resp: 190574
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 38.8
 88 14.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.02 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#13

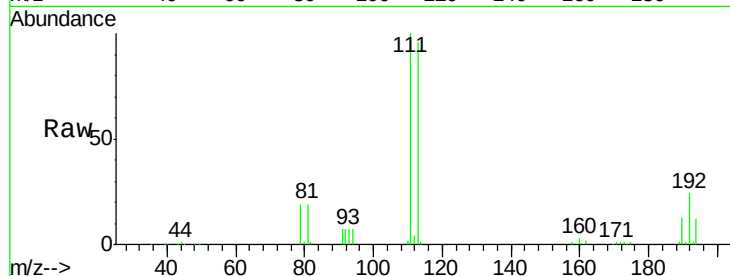
Tgt Ion:113 Resp: 73922

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

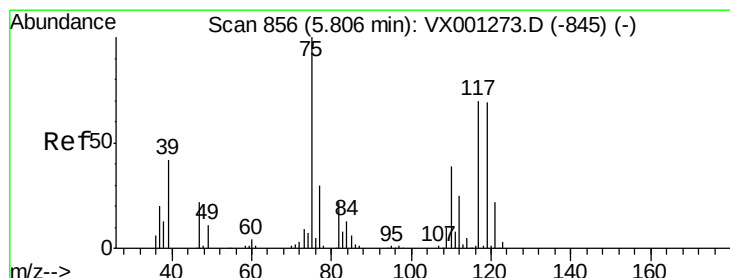
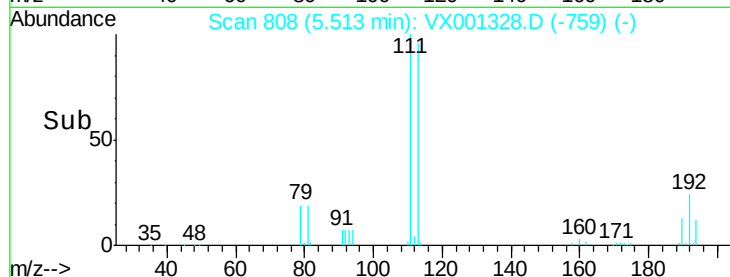
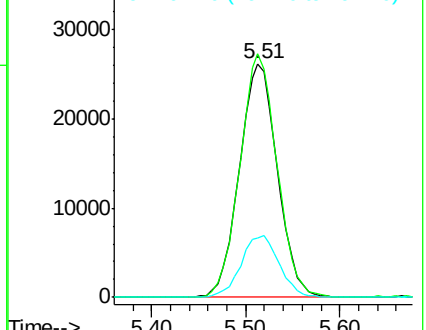
192 26.5 20.7 31.1



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: VX001328.D

Acq: 02 May 2018 20:15

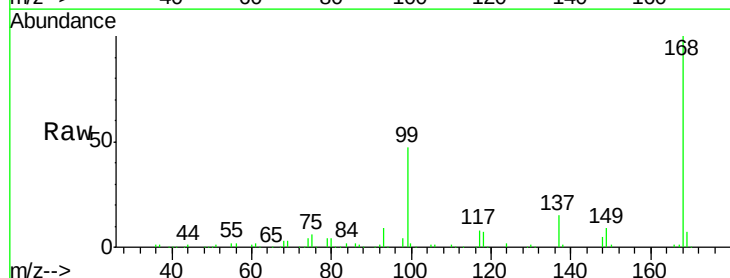
Tgt Ion: 75 Resp: 8702

Ion Ratio Lower Upper

75 100

110 5.4 18.9 56.9#

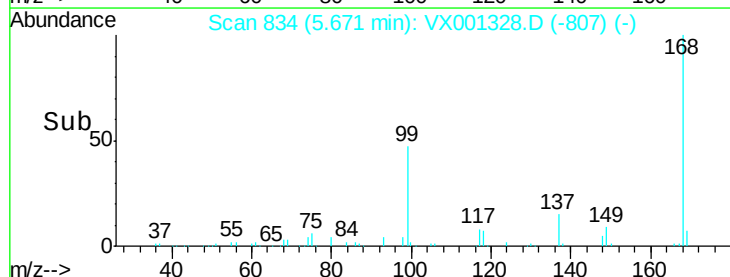
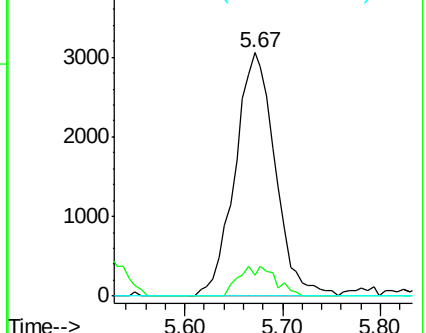
77 0.0 24.2 36.2#

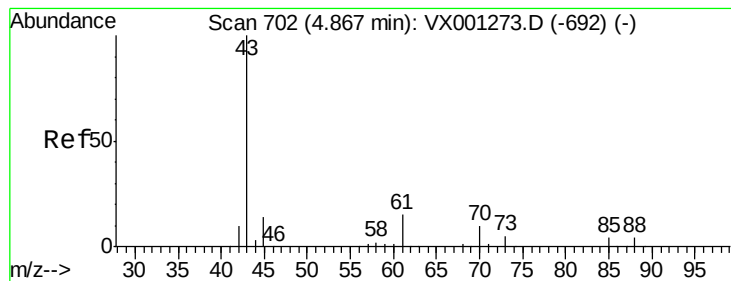


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.94 ug/l

RT: 4.73 min Scan# 680

Delta R.T. -0.13 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#13

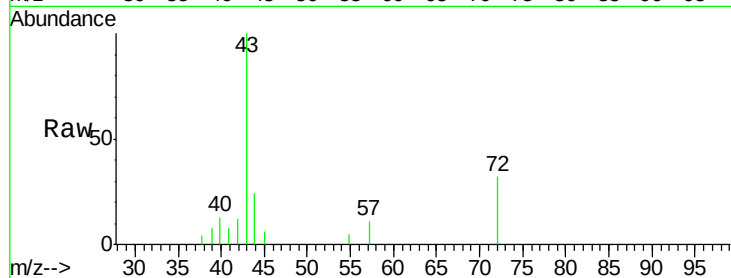
Tgt Ion: 43 Resp: 4314

Ion Ratio Lower Upper

43 100

61 0.9 10.7 16.1#

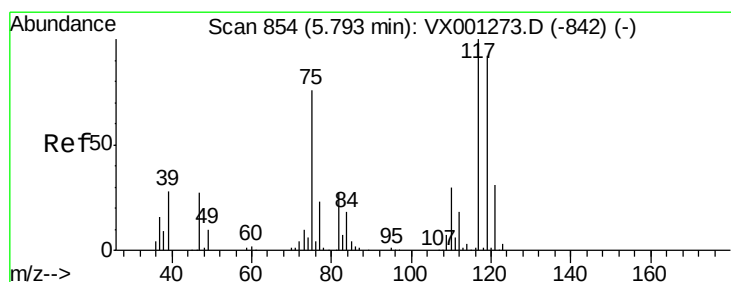
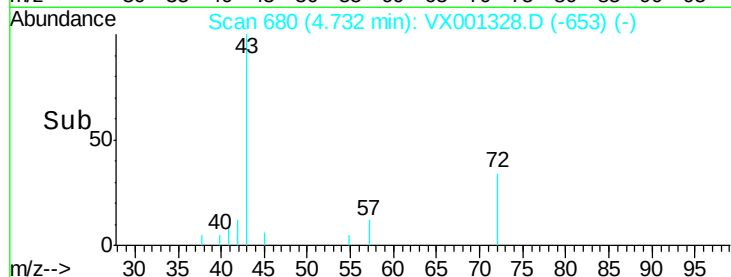
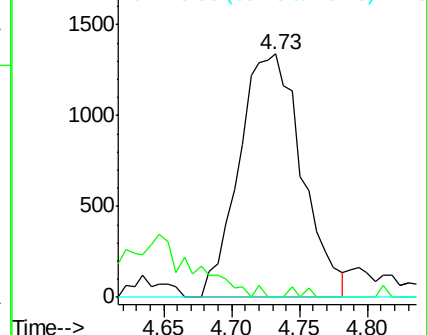
70 0.0 8.0 12.0#



Abundance Ion 43.00 (42.70 to 43.70): VX001328.D (-653) (-)

Ion 60.90 (60.60 to 61.60): VX001328.D (-653) (-)

Ion 70.00 (69.70 to 70.70): VX001328.D (-653) (-)



#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

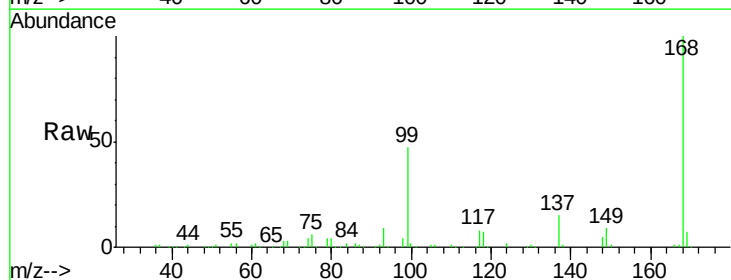
Tgt Ion: 117 Resp: 12037

Ion Ratio Lower Upper

117 100

119 4.8 73.4 110.2#

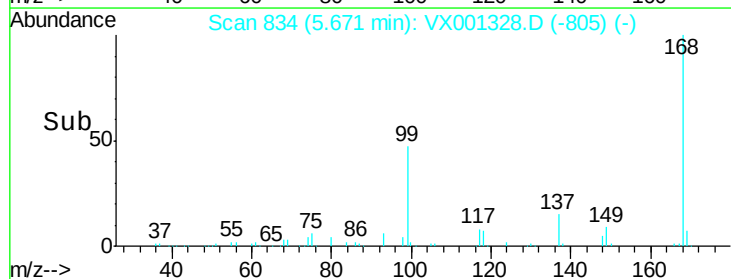
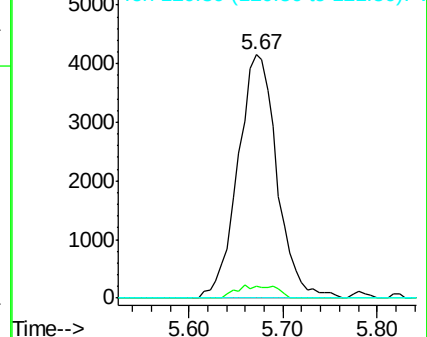
121 0.0 25.0 37.4#

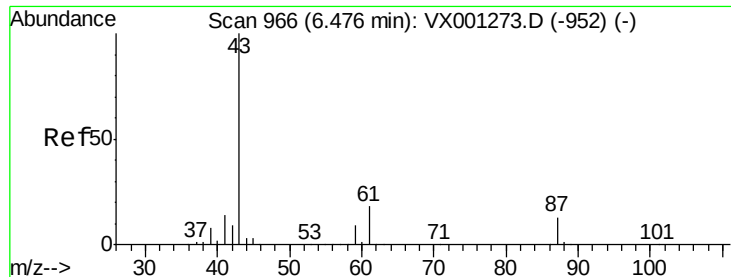


Abundance Ion 116.80 (116.50 to 117.50): VX001328.D (-805) (-)

Ion 118.80 (118.50 to 119.50): VX001328.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX001328.D (-805) (-)





#43

Isopropyl Acetate

Concen: 0.22 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#13

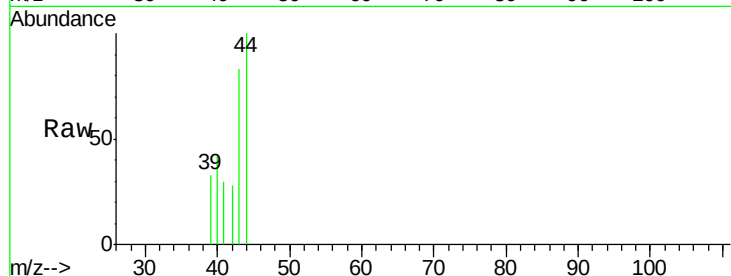
Tgt Ion: 43 Resp: 809

Ion Ratio Lower Upper

43 100

61 2.7 15.0 22.4#

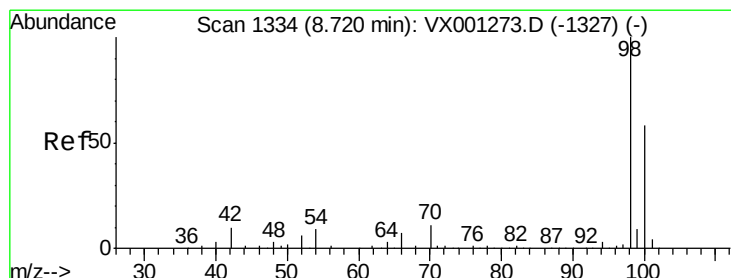
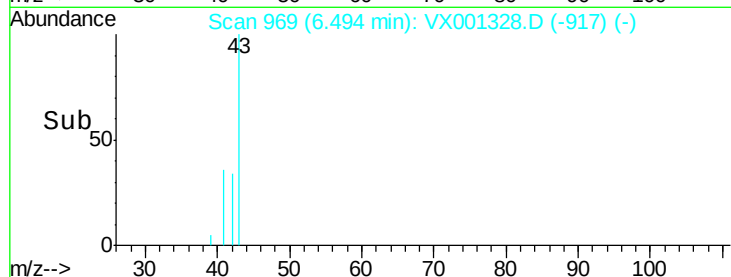
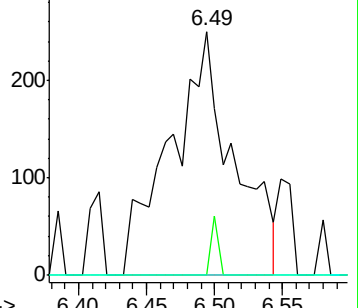
87 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 45.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001328.D

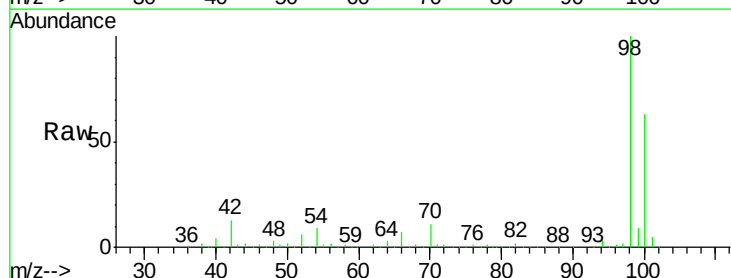
Acq: 02 May 2018 20:15

Tgt Ion: 98 Resp: 266181

Ion Ratio Lower Upper

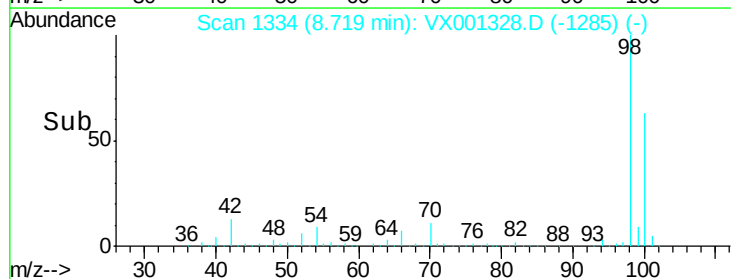
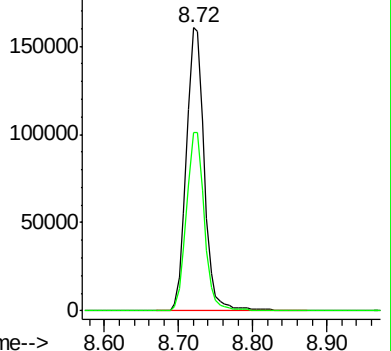
98 100

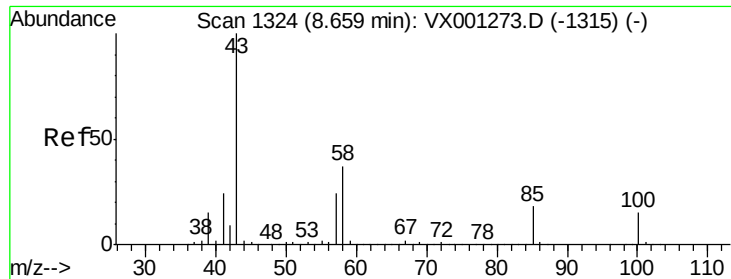
100 63.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

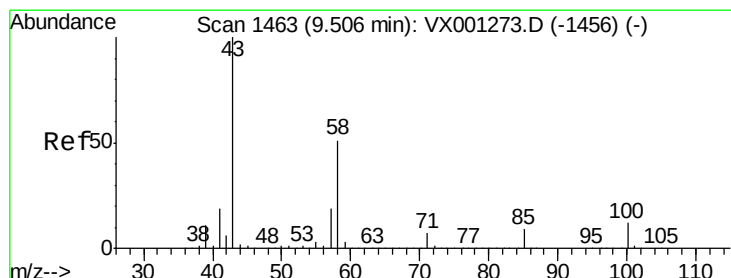
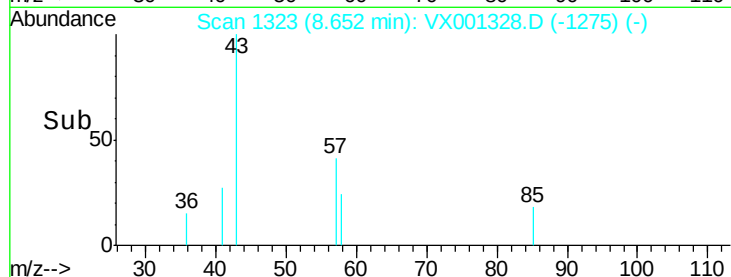
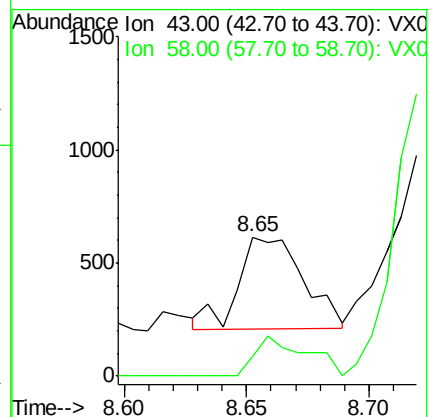
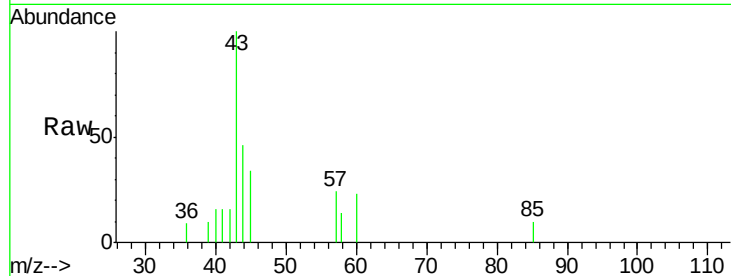
PB108794ZHE#13

Tgt Ion: 43 Resp: 751

Ion Ratio Lower Upper

43 100

58 34.0 29.0 43.6



#59

2-Hexanone

Concen: 0.55 ug/l

RT: 9.51 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VX001328.D

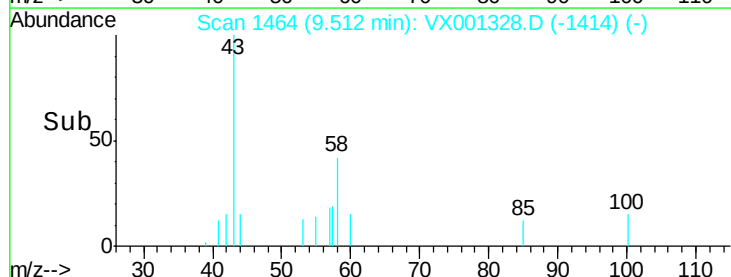
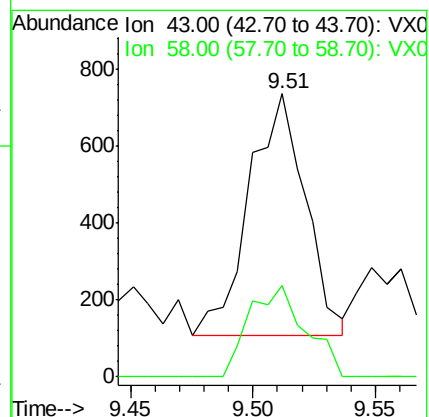
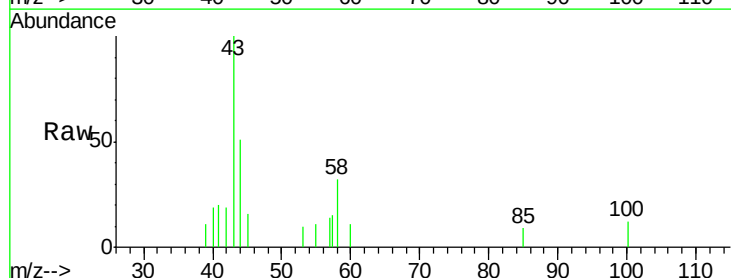
Acq: 02 May 2018 20:15

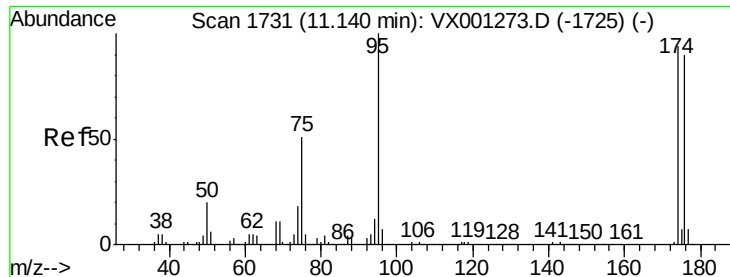
Tgt Ion: 43 Resp: 1001

Ion Ratio Lower Upper

43 100

58 38.0 25.7 77.0

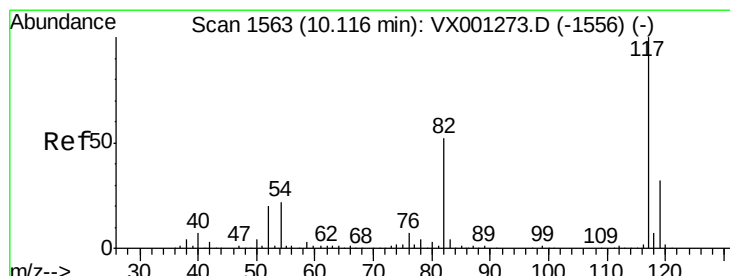
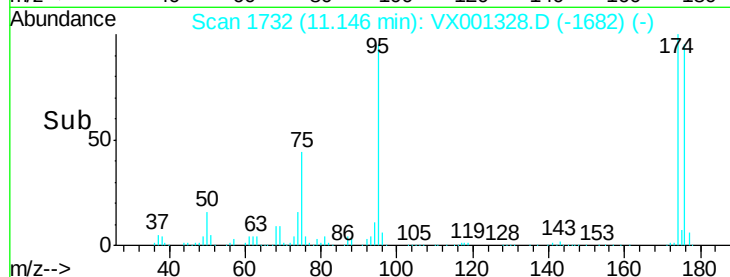
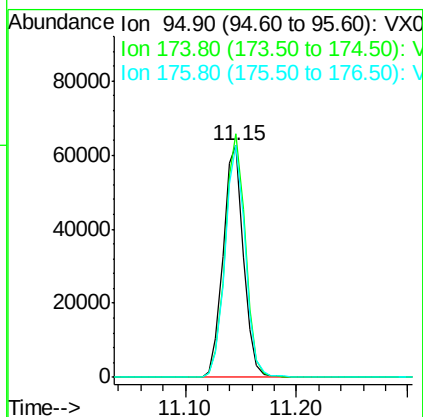
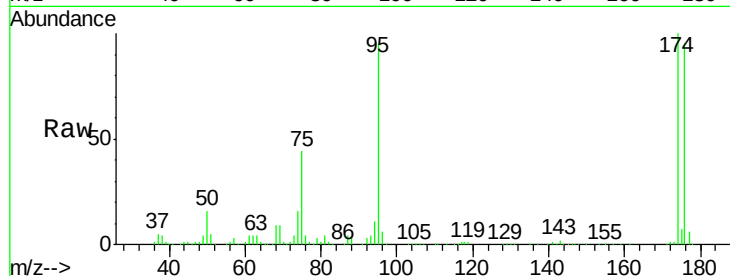




#62
4-Bromofluorobenzene
Concen: 33.72 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.01 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

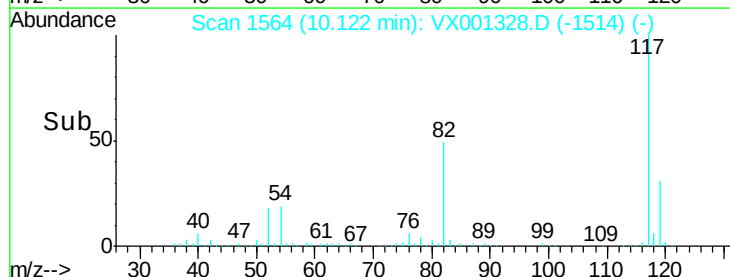
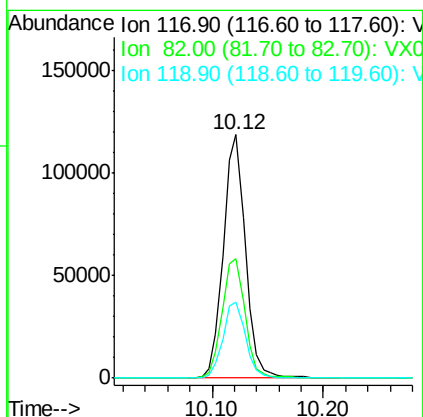
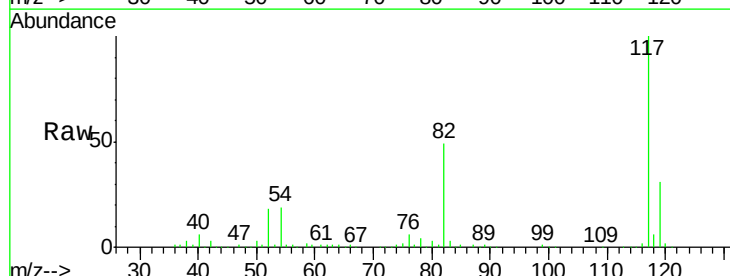
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#13

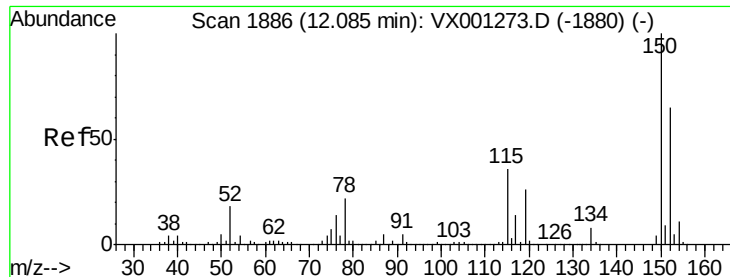
Tgt Ion: 95 Resp: 79094
Ion Ratio Lower Upper
95 100
174 104.2 0.0 201.8
176 99.6 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001328.D
Acq: 02 May 2018 20:15

Tgt Ion: 117 Resp: 163285
Ion Ratio Lower Upper
117 100
82 49.2 41.4 62.0
119 30.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#13

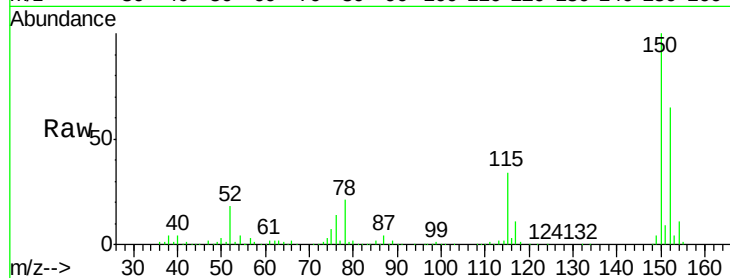
Tgt Ion:152 Resp: 80239

Ion Ratio Lower Upper

152 100

115 52.3 38.6 115.7

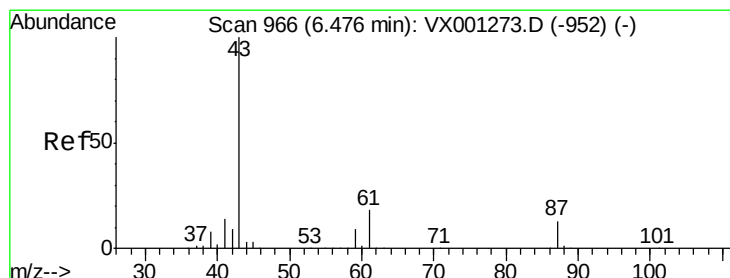
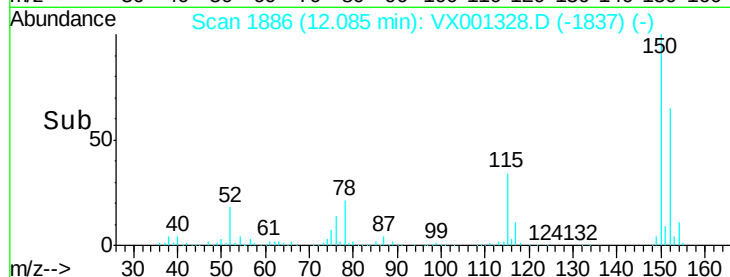
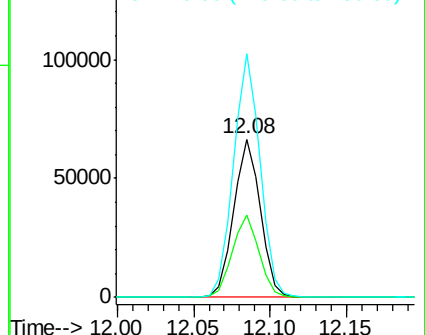
150 152.9 0.0 349.2



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-ethyl acetate

Concen: 0.35 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001328.D

Acq: 02 May 2018 20:15

Tgt Ion: 43 Resp: 809

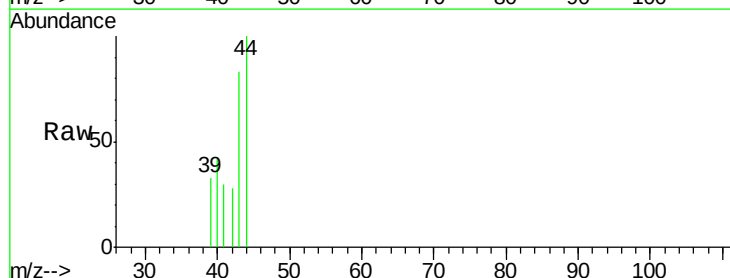
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 2.7 15.0 22.4#

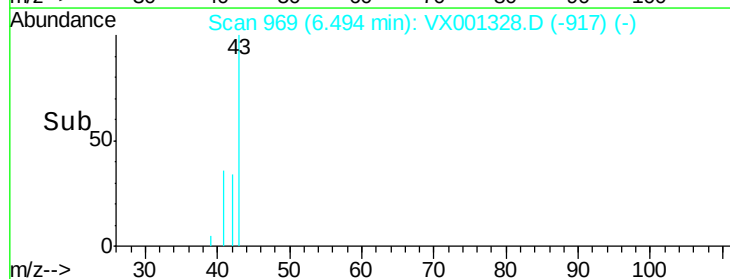
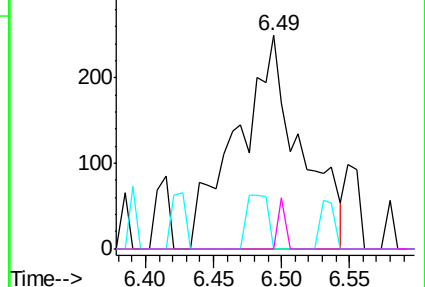


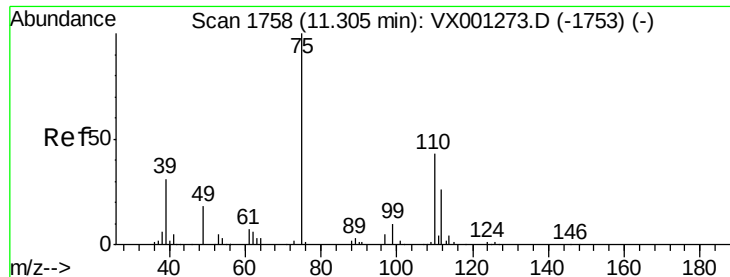
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

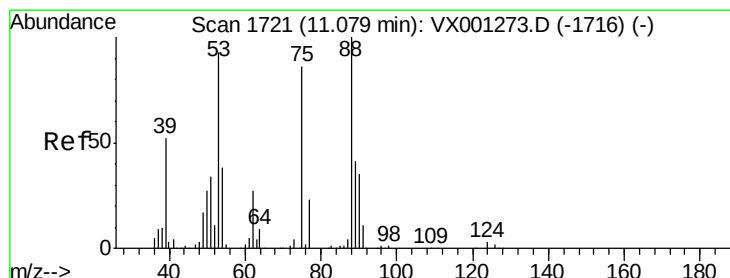
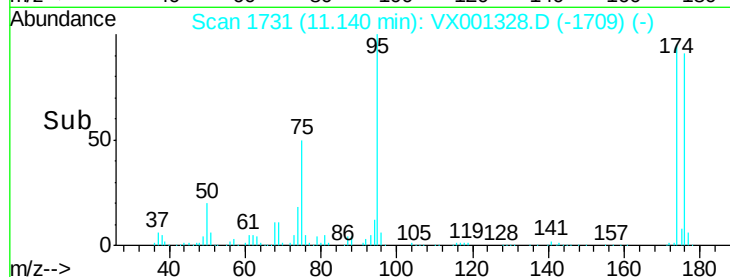
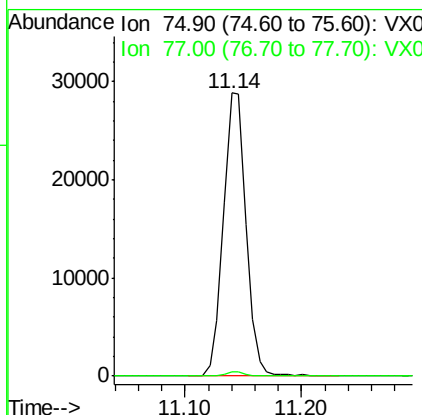
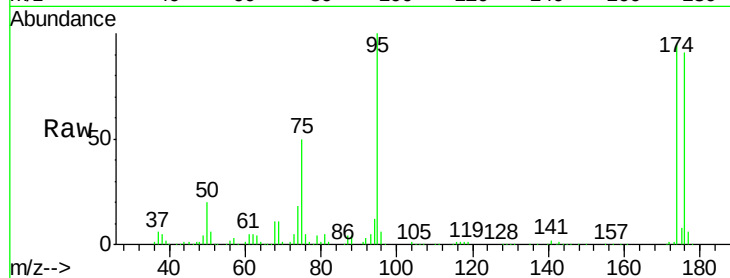




#76
 1,2,3-Trichloropropane
 Concen: 26.18 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001328.D
 Acq: 02 May 2018 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#13

Tgt Ion: 75 Resp: 38849
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.17 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001328.D
 Acq: 02 May 2018 20:15

Tgt Ion: 75 Resp: 38849
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.1 130.7#
 89 0.0 38.9 58.3#

