

Data File : VX001327.D

Acq On : 02 May 2018 19:48

Operator : JC/MD

Sample : PB108794ZHE#12

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#12

Quant Time: May 03 05:06:34 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	144454	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	167136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	84067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	90231	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	5.51	113	74145	44.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.44%	
50) Toluene-d8	8.72	98	270011	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	
62) 4-Bromofluorobenzene	11.14	95	80271	33.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.76%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	781	Below Cal		84
10) Methyl Iodide	2.52	142	868	4.78 ug/l #		91
11) Tert butyl alcohol	3.07	59	178	0.52 ug/l #		12
13) Acrolein	2.31	56	68	0.34 ug/l		95
16) Acetone	2.45	43	11692	13.70 ug/l		96
18) Methyl Acetate	2.78	43	16357	8.11 ug/l		98
20) Methylene Chloride	2.86	84	3339	0.59 ug/l		95
25) 2-Butanone	4.73	43	4228	3.66 ug/l		92
29) Tetrahydrofuran	5.18	42	970	1.37 ug/l #		68
31) Cyclohexane	5.68	56	2607	1.06 ug/l #		23
36) 1,1-Dichloropropene	5.67	75	8625	3.88 ug/l #		51
38) Carbon Tetrachloride	5.68	117	12151	5.22 ug/l #		17
48) Methyl methacrylate	7.75	41	2133	1.10 ug/l #		19
51) 4-Methyl-2-Pentanone	8.66	43	899	0.38 ug/l #		78
59) 2-Hexanone	9.51	43	1025	0.56 ug/l		94
74) N-amyl acetate	6.49	43	641	0.27 ug/l #		59
76) 1,2,3-Trichloropropane	11.14	75	42416	27.29 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.14	75	42416	85.45 ug/l #		6

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

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Misc : 5.0mL/MSVOA_X/WATER

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Instrument :

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ClientSampleId :

PB108794ZHE#12

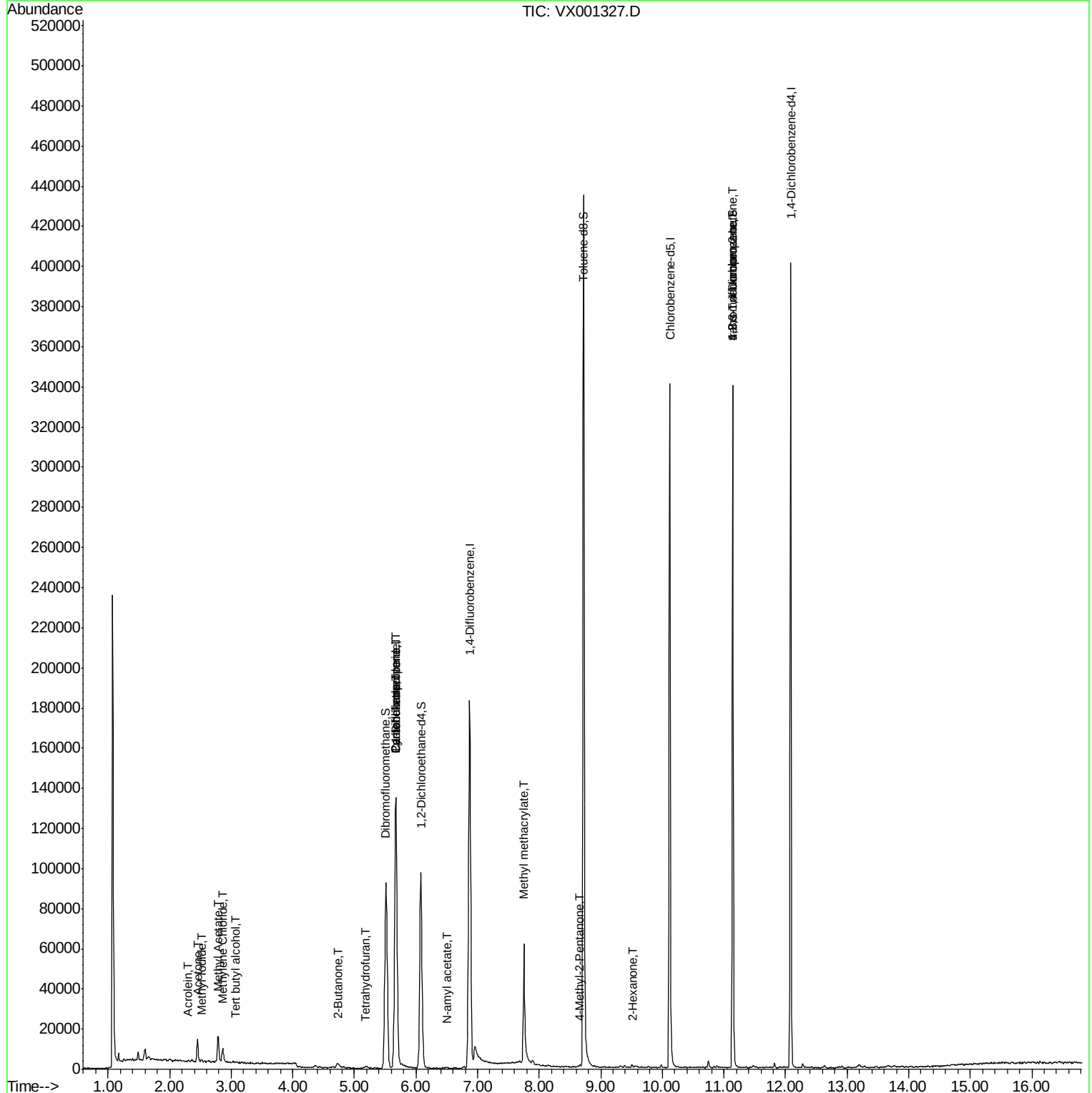
Quant Time: May 03 05:06:34 2018

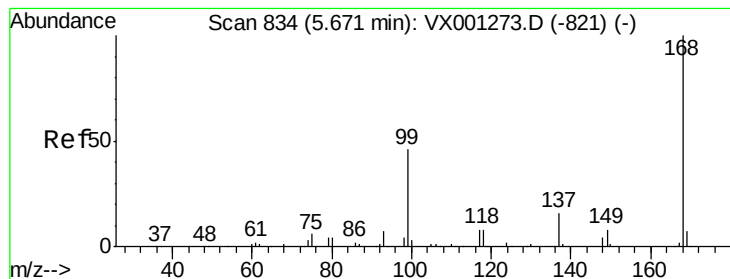
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

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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: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

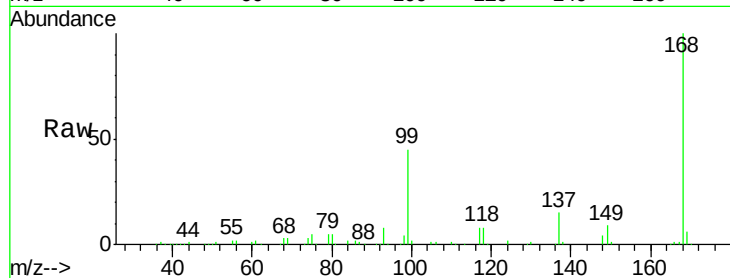
PB108794ZHE#12

Tgt Ion:168 Resp: 144454

Ion Ratio Lower Upper

168 100

99 45.0 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

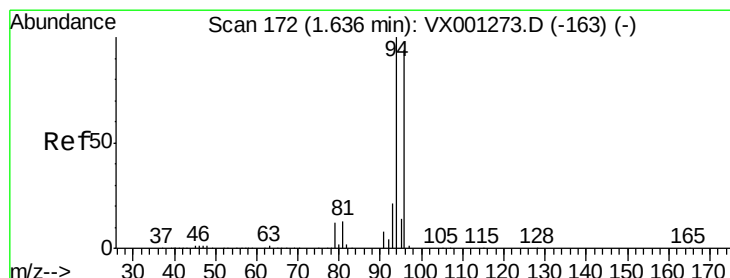
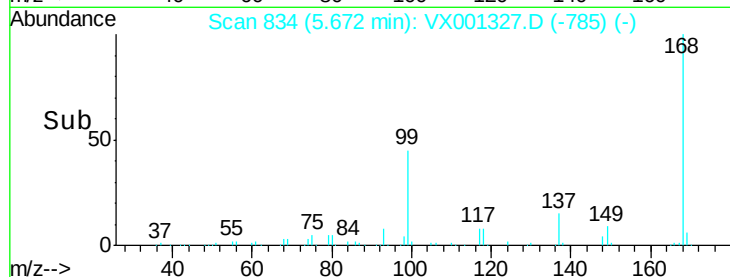
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001327.D

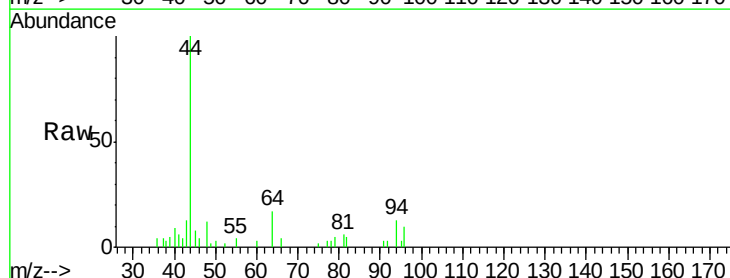
Acq: 02 May 2018 19:48

Tgt Ion: 94 Resp: 781

Ion Ratio Lower Upper

94 100

96 78.6 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

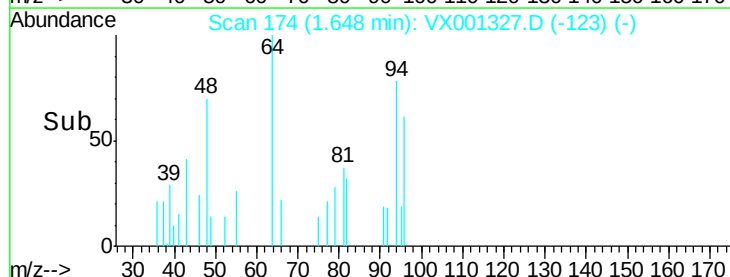
200

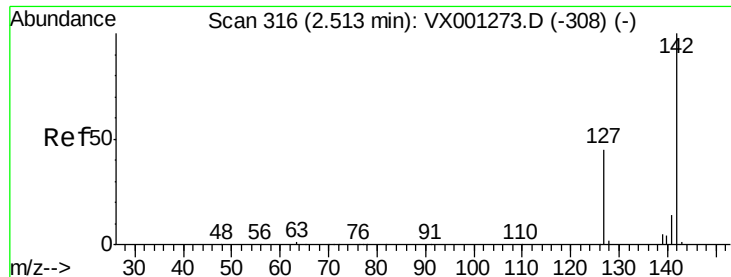
100

0

Time-->

1.60 1.65 1.70 1.75

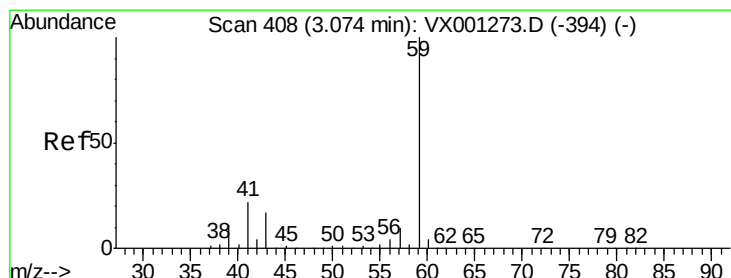
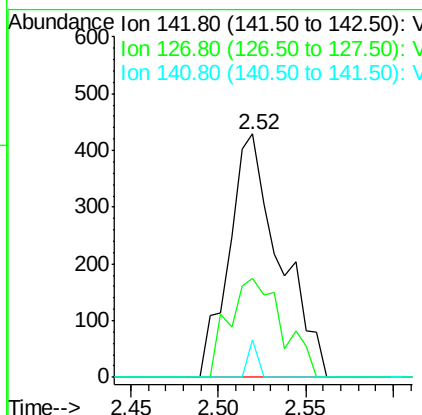
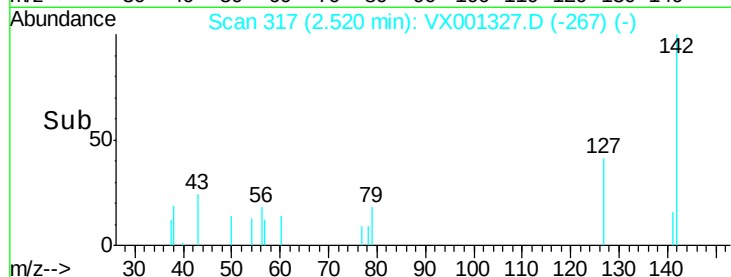
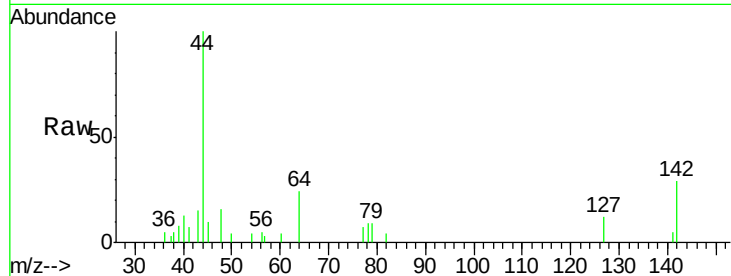




#10
Methyl Iodide
Concen: 4.78 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

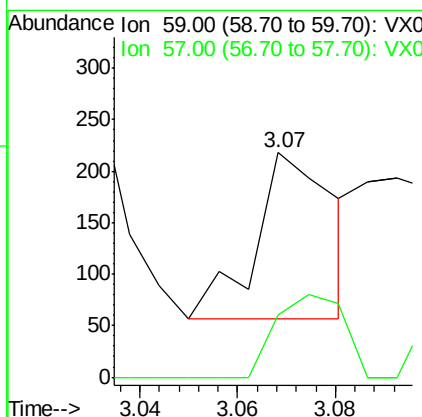
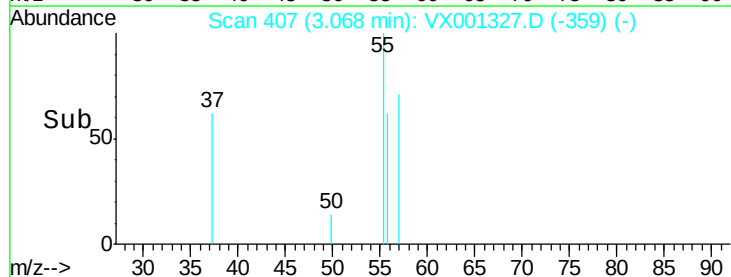
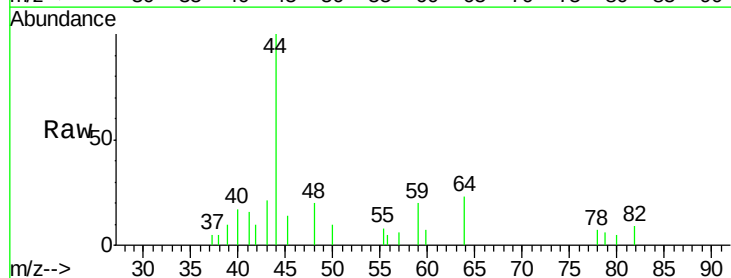
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#12

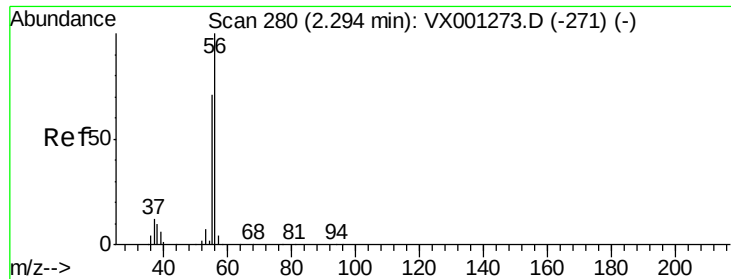
Tgt Ion: 142 Resp: 868
Ion Ratio Lower Upper
142 100
127 42.9 35.7 53.5
141 2.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 43.8 8.6 12.8#





#13

Acrolein

Concen: 0.34 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

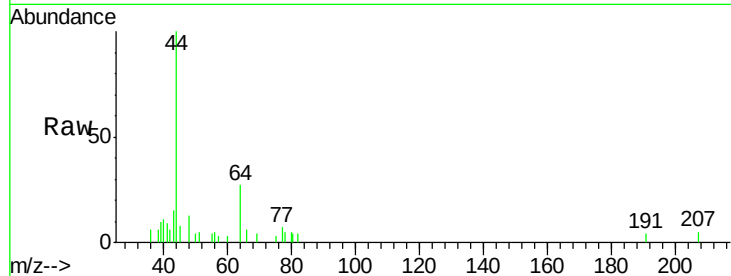
PB108794ZHE#12

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

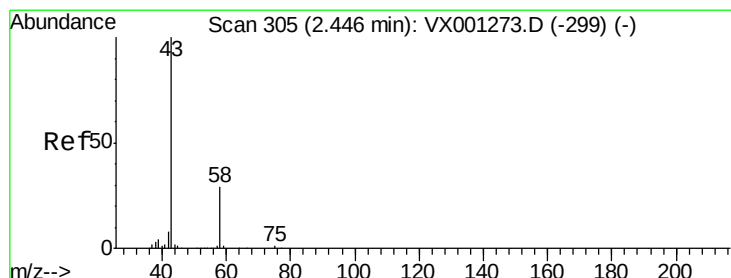
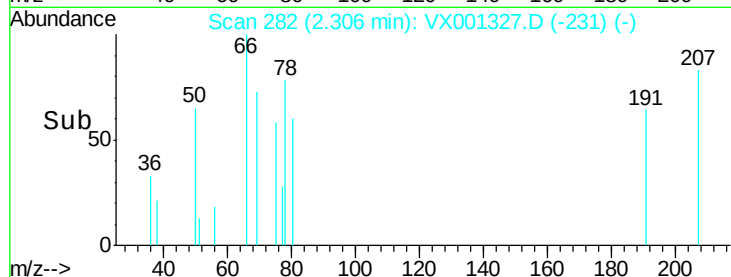
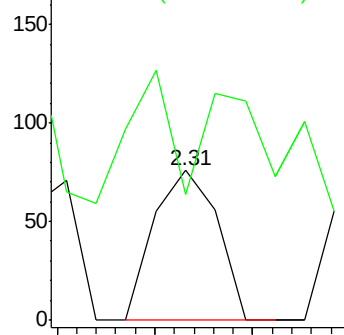
56 100

55 67.6 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: 13.70 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001327.D

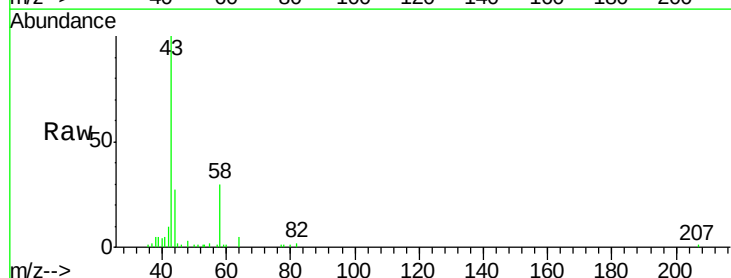
Acq: 02 May 2018 19:48

Tgt Ion: 43 Resp: 11692

Ion Ratio Lower Upper

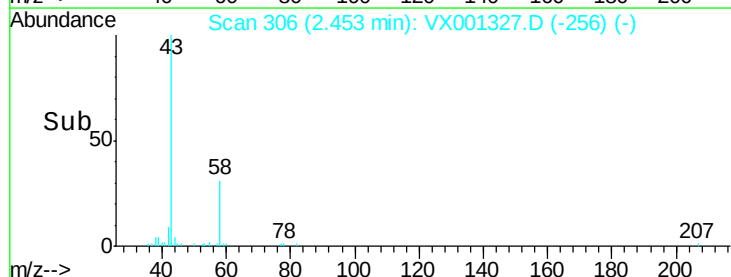
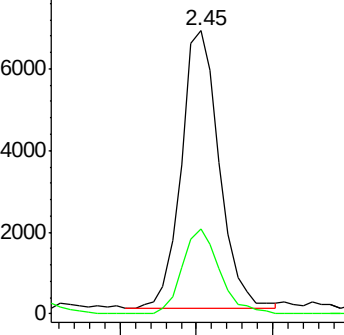
43 100

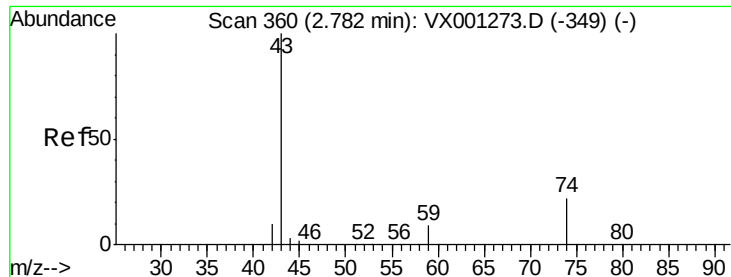
58 30.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

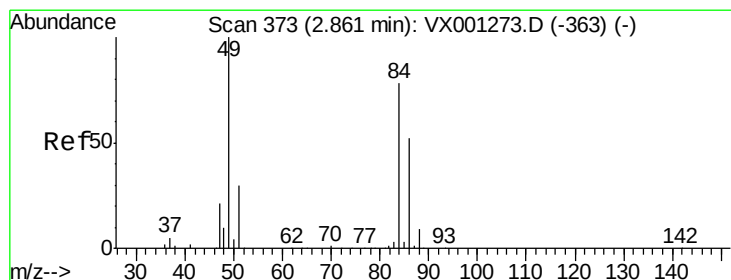
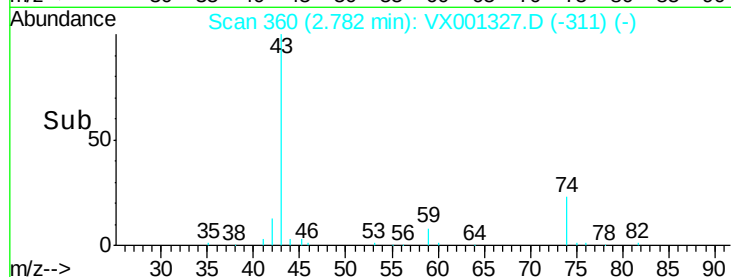
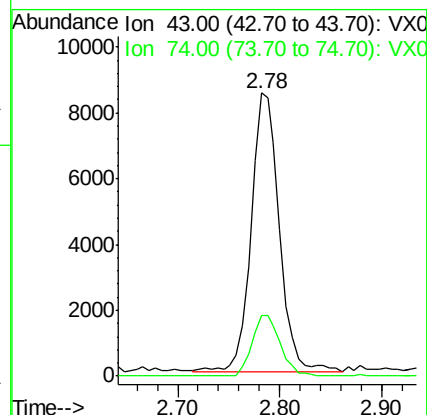
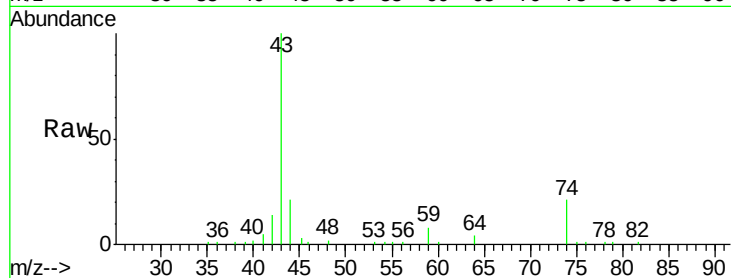




#18
Methyl Acetate
Concen: 8.11 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

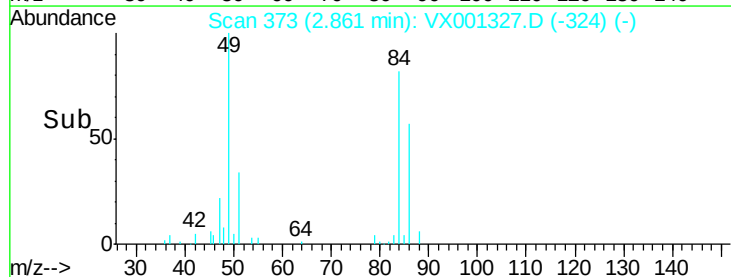
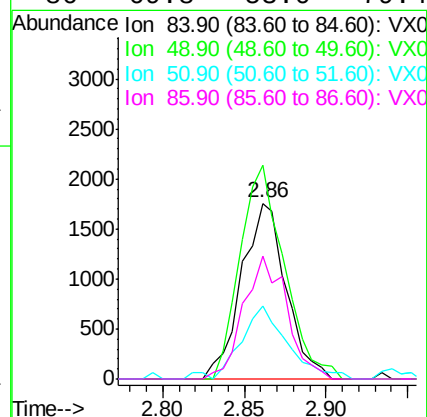
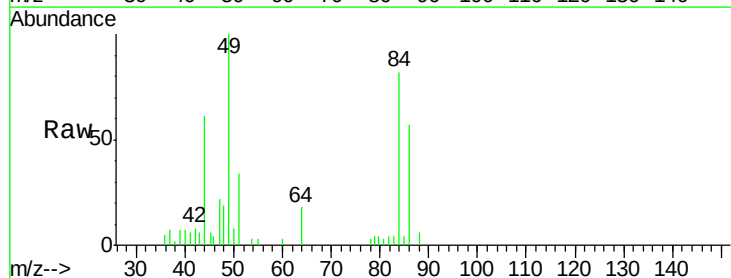
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#12

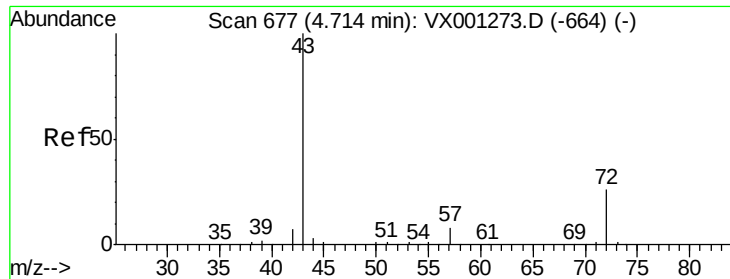
Tgt Ion: 43 Resp: 16357
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.6



#20
Methylene Chloride
Concen: 0.59 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

Tgt Ion: 84 Resp: 3339
Ion Ratio Lower Upper
84 100
49 121.7 102.8 154.2
51 37.4 30.9 46.3
86 69.8 53.0 79.4





#25

2-Butanone

Concen: 3.66 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

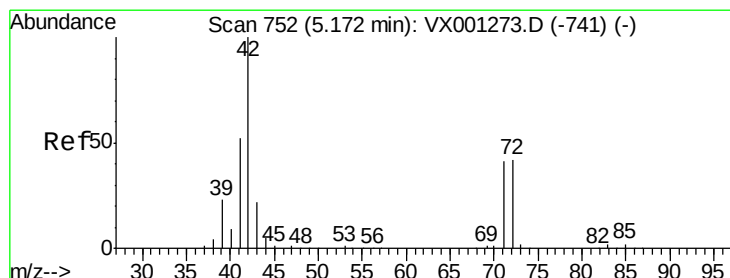
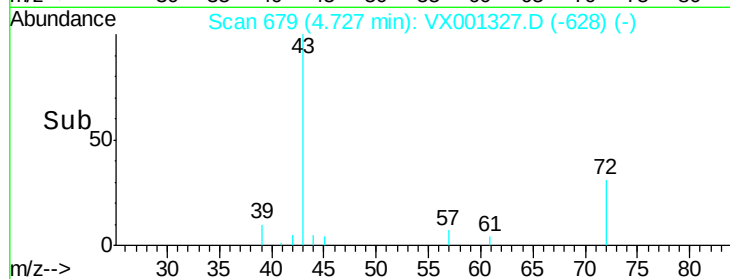
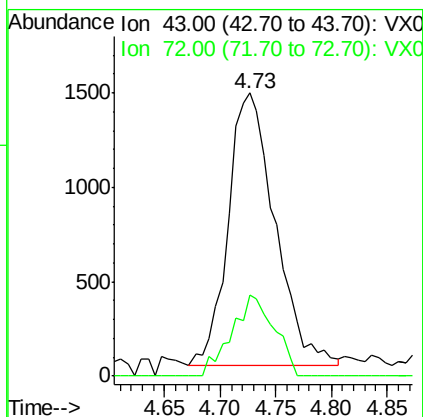
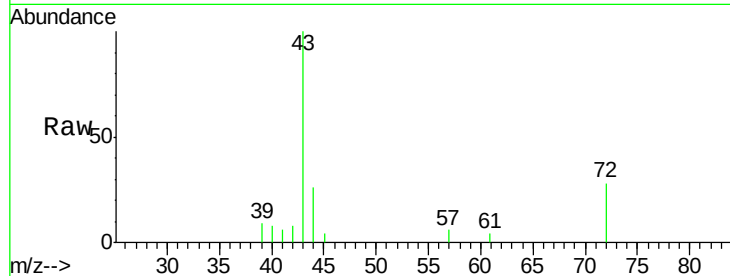
PB108794ZHE#12

Tgt Ion: 43 Resp: 4228

Ion Ratio Lower Upper

43 100

72 29.6 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.37 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.01 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

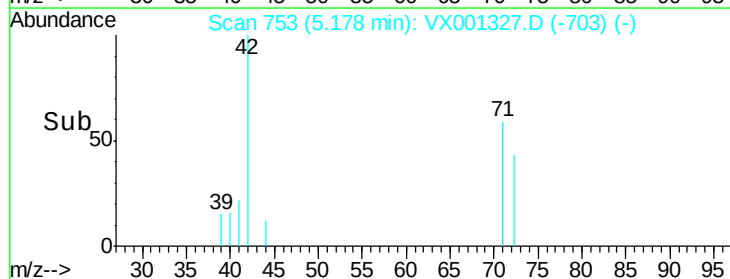
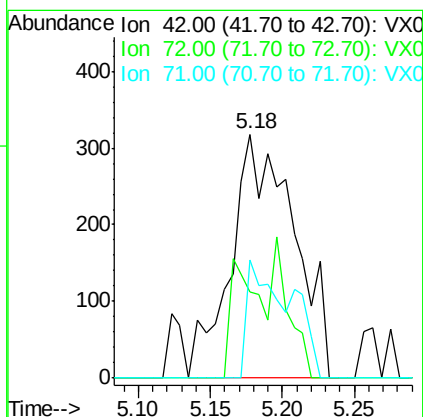
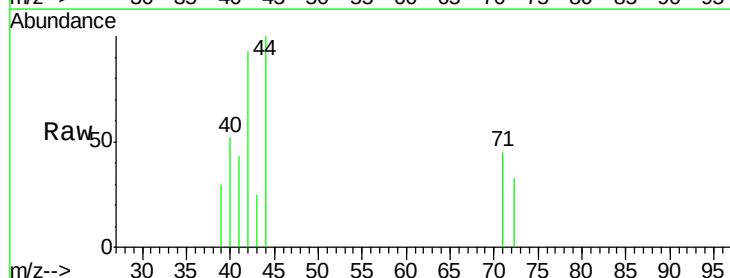
Tgt Ion: 42 Resp: 970

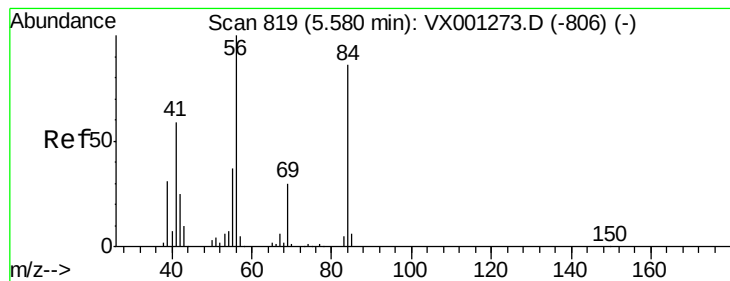
Ion Ratio Lower Upper

42 100

72 22.2 34.6 52.0#

71 22.1 32.7 49.1#





#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#12

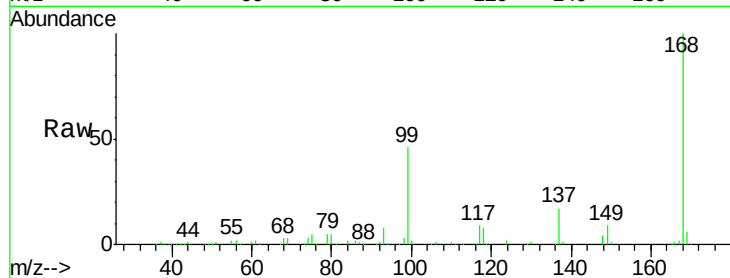
Tgt Ion: 56 Resp: 2607

Ion Ratio Lower Upper

56 100

69 154.9 24.0 36.0#

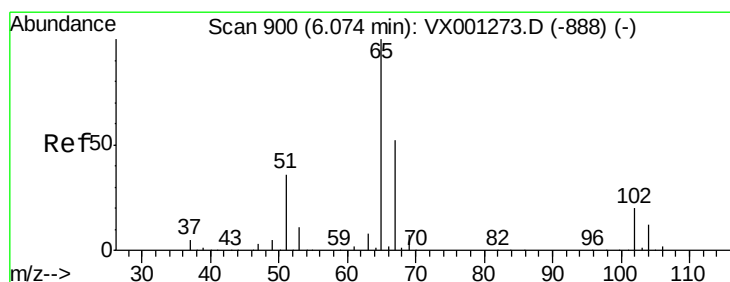
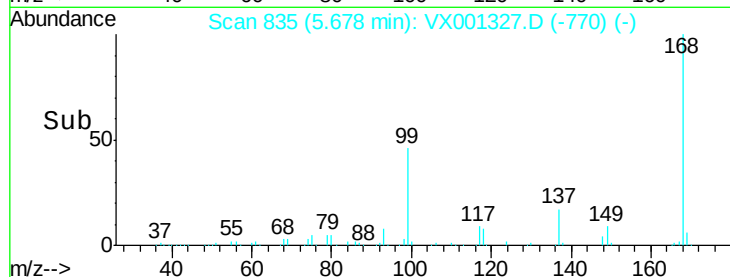
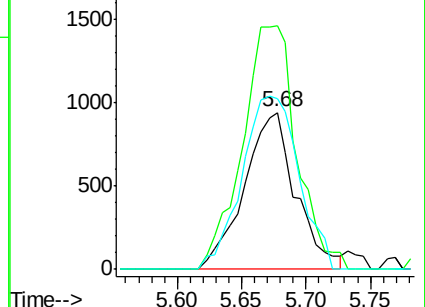
84 108.3 69.0 103.4#



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: 45.12 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001327.D

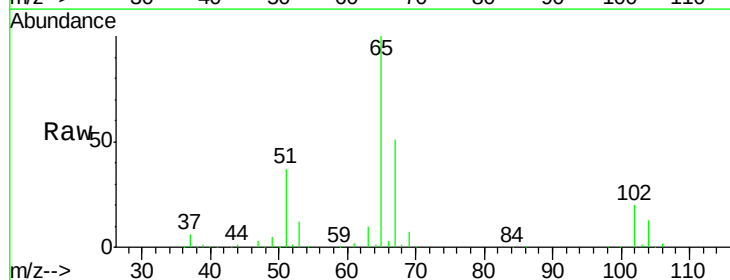
Acq: 02 May 2018 19:48

Tgt Ion: 65 Resp: 90231

Ion Ratio Lower Upper

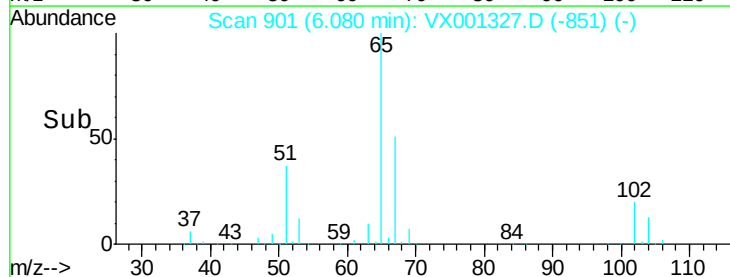
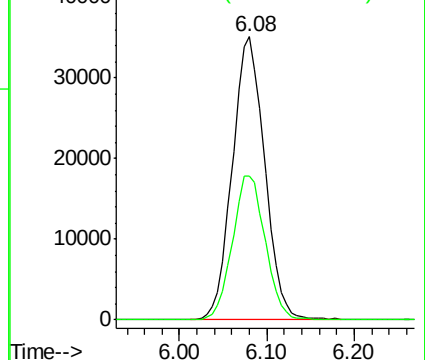
65 100

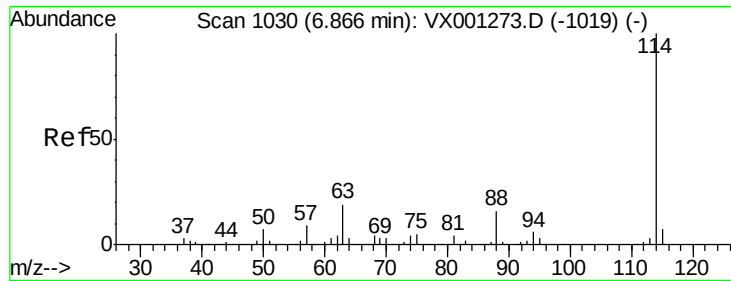
67 51.8 0.0 102.8



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# 1031

Delta R.T. 0.01 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

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MSVOA_X

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PB108794ZHE#12

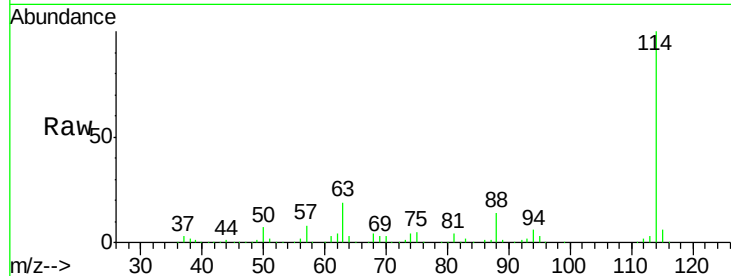
Tgt Ion:114 Resp: 192461

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.8

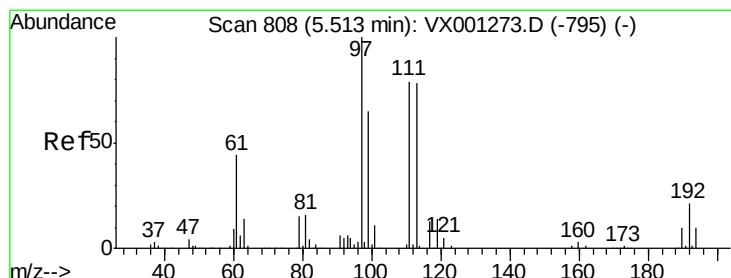
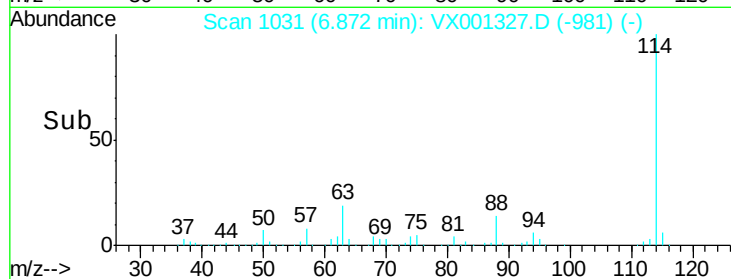
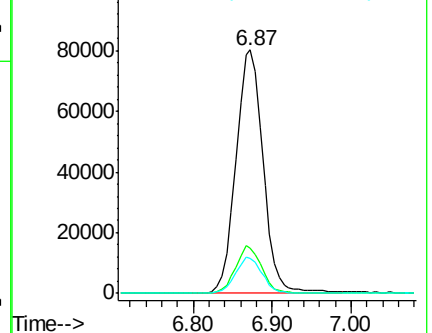
88 14.3 0.0 32.2



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: 44.72 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

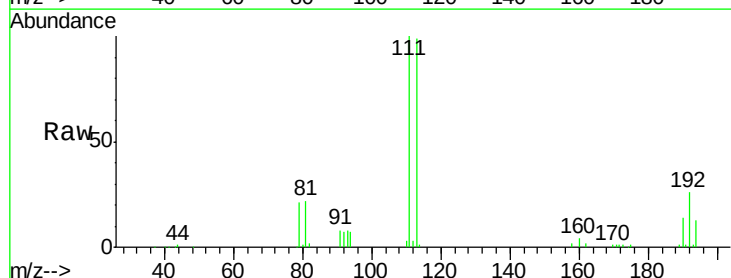
Tgt Ion:113 Resp: 74145

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

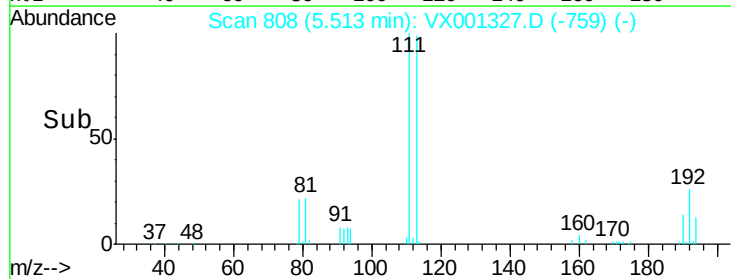
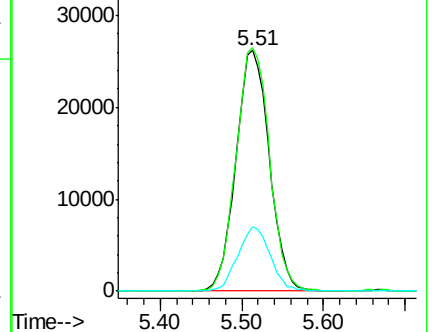
192 25.8 20.7 31.1

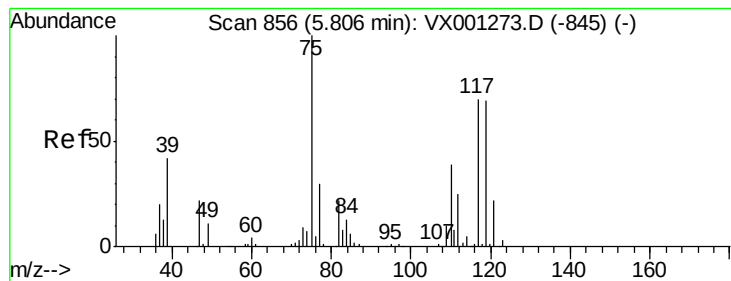


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.88 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#12

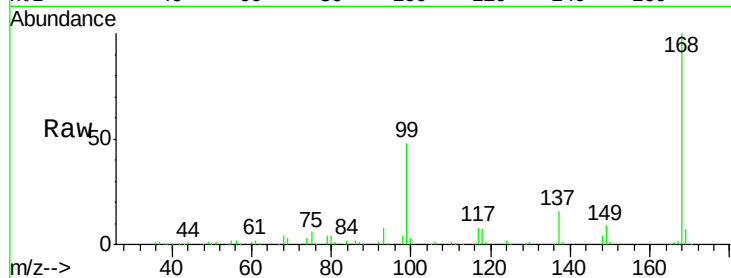
Tgt Ion: 75 Resp: 8625

Ion Ratio Lower Upper

75 100

110 11.4 18.9 56.9#

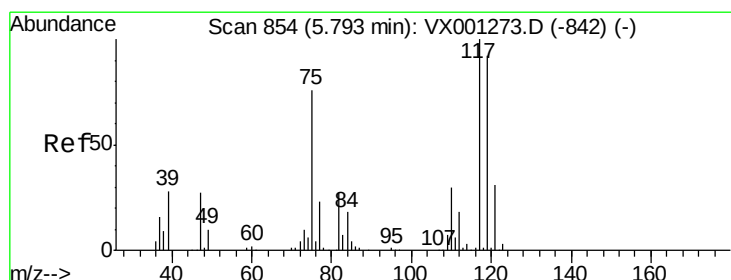
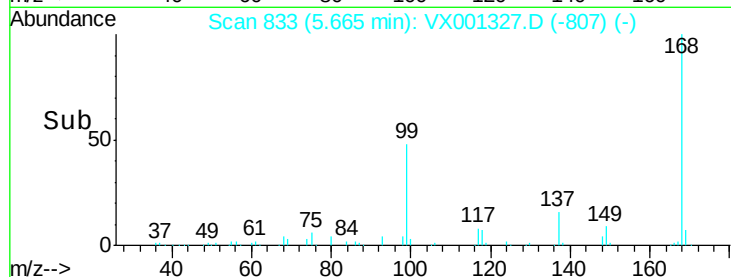
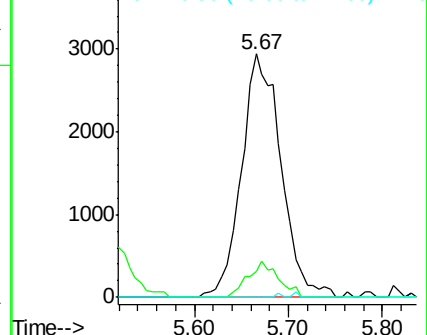
77 0.0 24.2 36.2#



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



#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

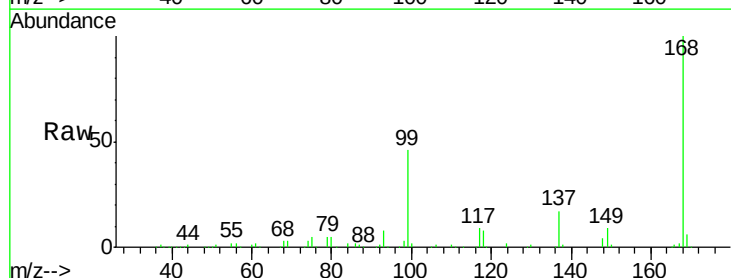
Tgt Ion: 117 Resp: 12151

Ion Ratio Lower Upper

117 100

119 4.3 73.4 110.2#

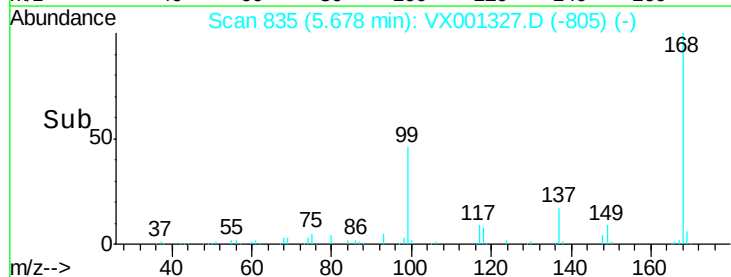
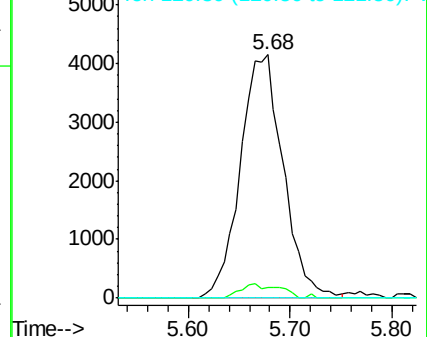
121 0.0 25.0 37.4#

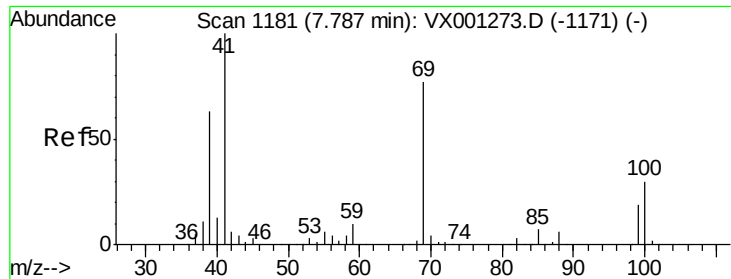


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#48

Methyl methacrylate

Concen: 1.10 ug/l

RT: 7.75 min Scan# 1175

Delta R.T. -0.04 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#12

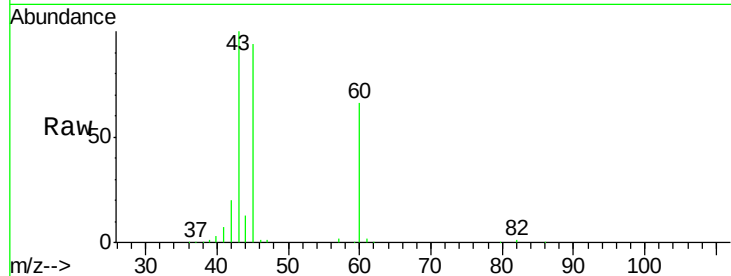
Tgt Ion: 41 Resp: 2133

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

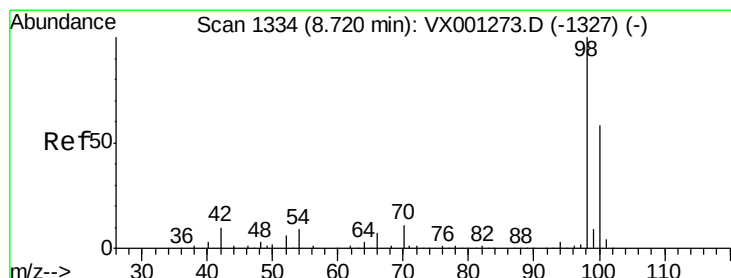
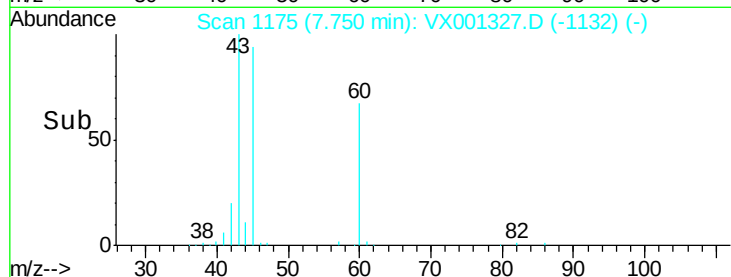
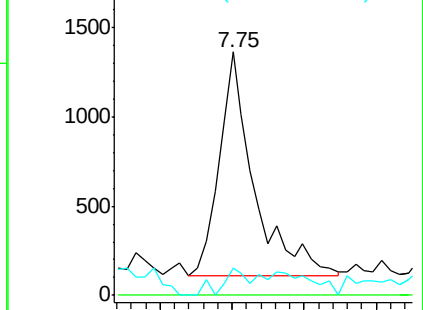
39 8.5 50.2 75.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 45.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001327.D

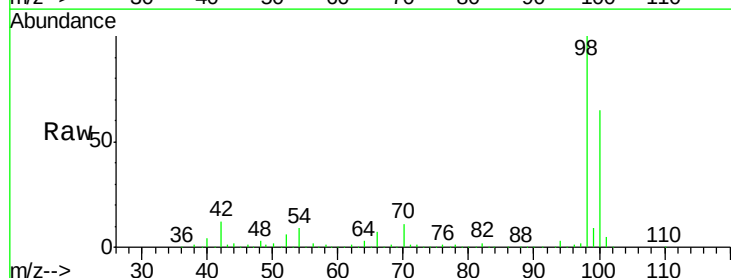
Acq: 02 May 2018 19:48

Tgt Ion: 98 Resp: 270011

Ion Ratio Lower Upper

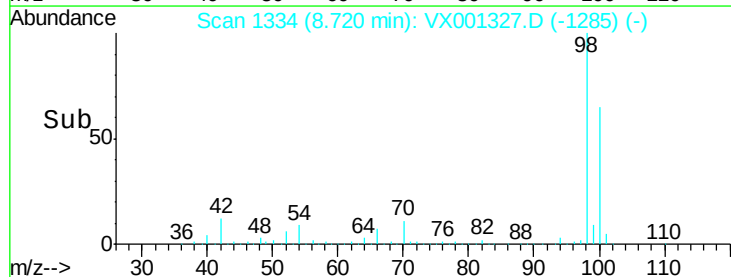
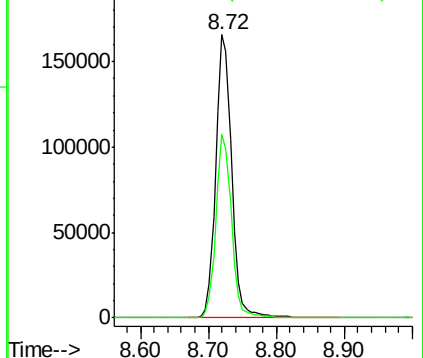
98 100

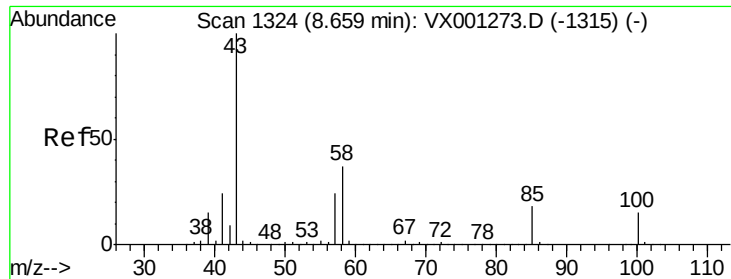
100 63.9 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

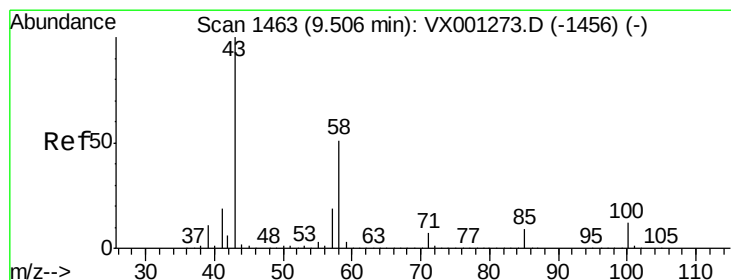
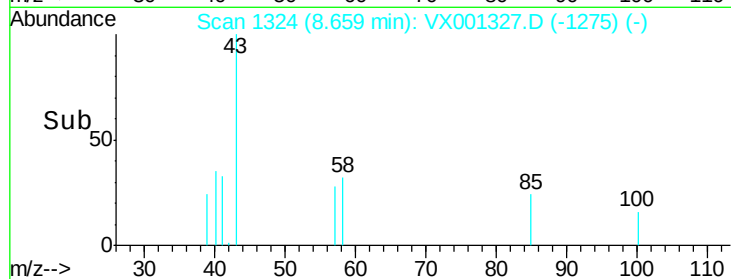
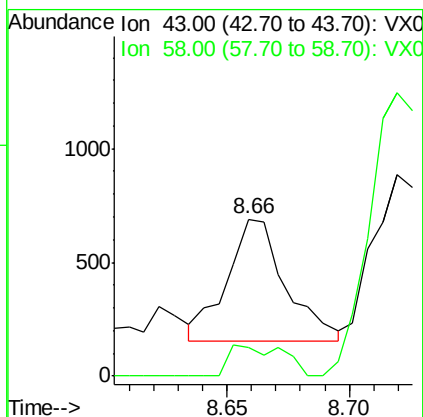
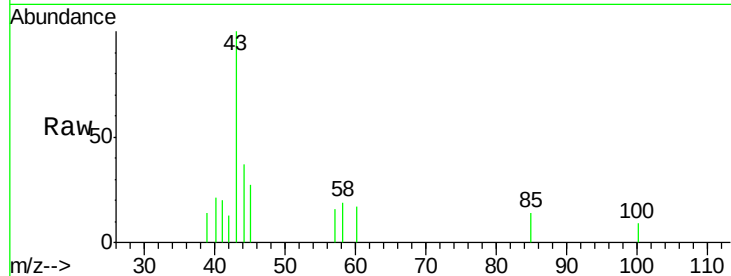




#51
 4-Methyl-2-Pentanone
 Concen: 0.38 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX001327.D
 Acq: 02 May 2018 19:48

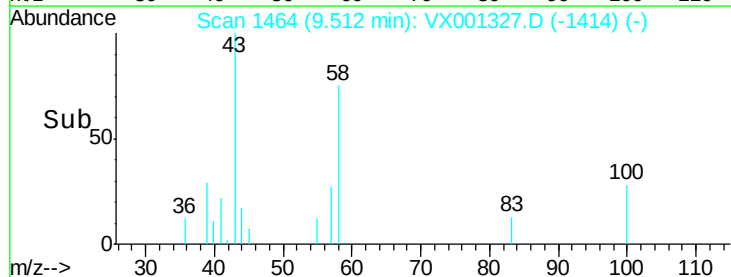
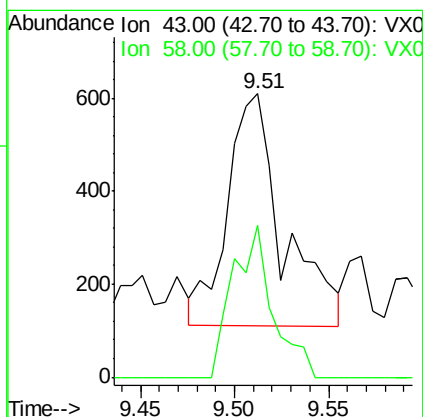
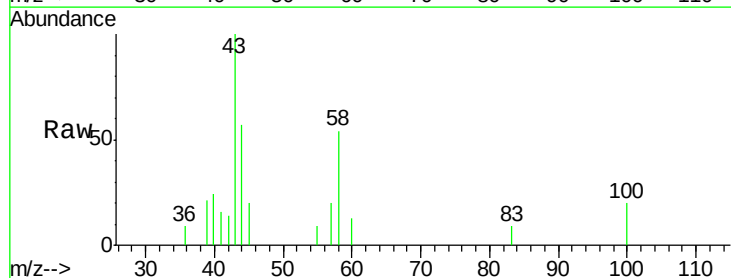
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#12

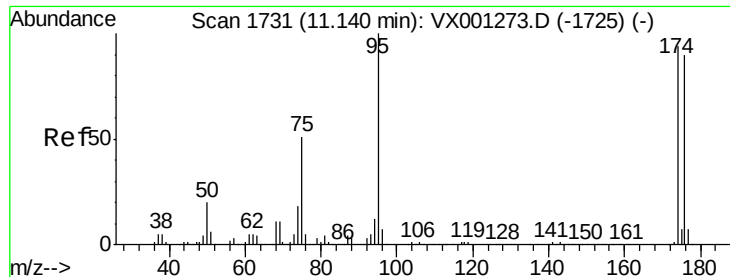
Tgt Ion: 43 Resp: 899
 Ion Ratio Lower Upper
 43 100
 58 23.1 29.0 43.6#



#59
 2-Hexanone
 Concen: 0.56 ug/l
 RT: 9.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VX001327.D
 Acq: 02 May 2018 19:48

Tgt Ion: 43 Resp: 1025
 Ion Ratio Lower Upper
 43 100
 58 46.9 25.7 77.0

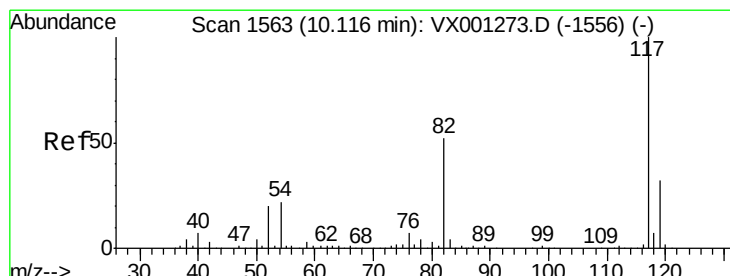
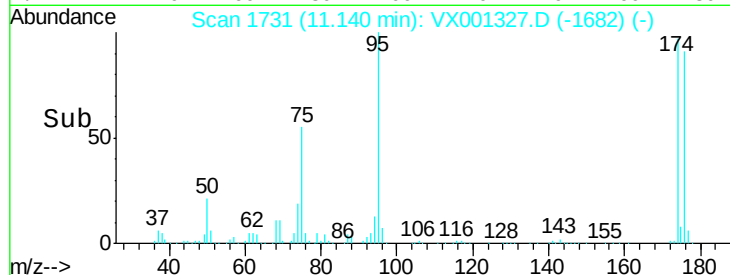
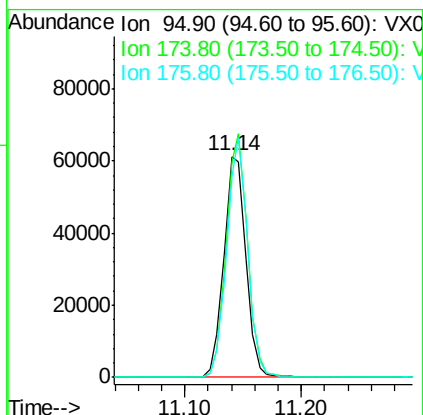
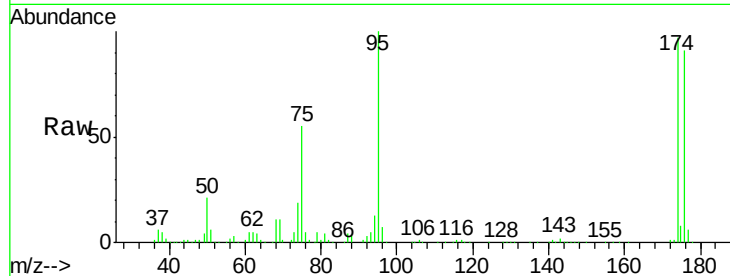




#62
4-Bromofluorobenzene
Concen: 33.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

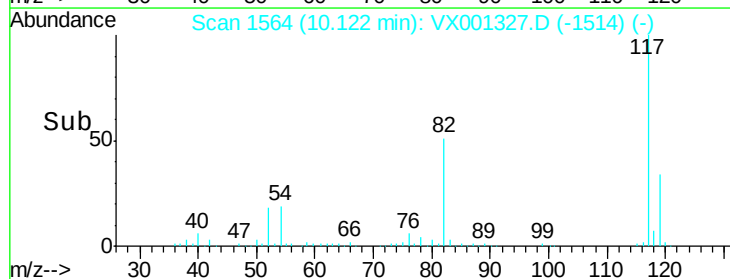
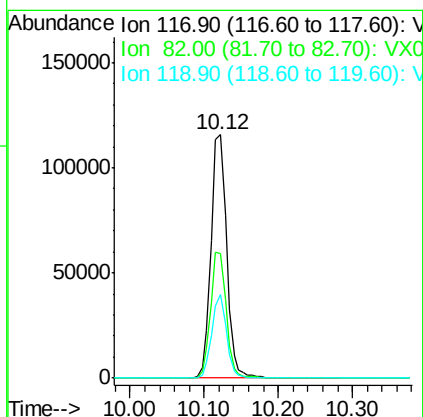
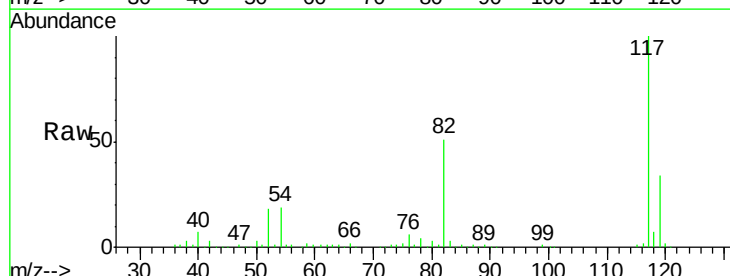
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#12

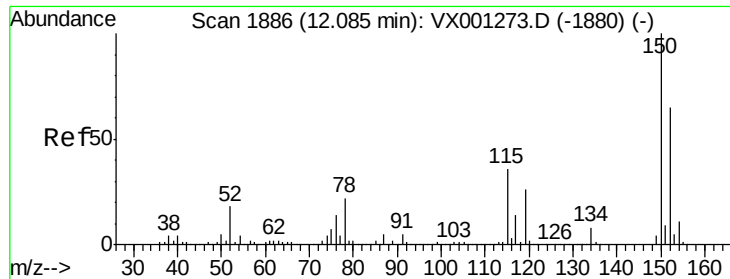
Tgt Ion: 95 Resp: 80271
Ion Ratio Lower Upper
95 100
174 107.5 0.0 201.8
176 102.8 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001327.D
Acq: 02 May 2018 19:48

Tgt Ion: 117 Resp: 167136
Ion Ratio Lower Upper
117 100
82 51.1 41.4 62.0
119 34.1 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: VX001327.D

Acq: 02 May 2018 19:48

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#12

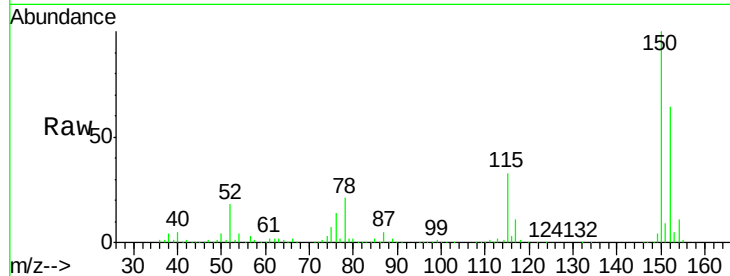
Tgt Ion:152 Resp: 84067

Ion Ratio Lower Upper

152 100

115 52.3 38.6 115.7

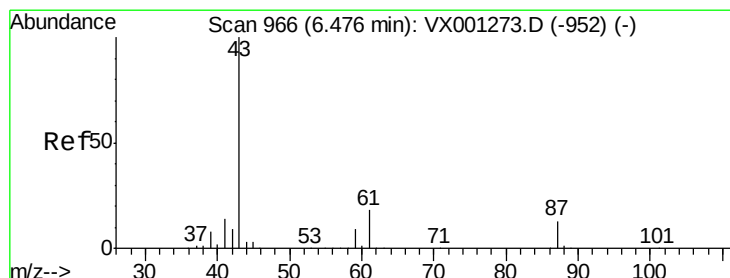
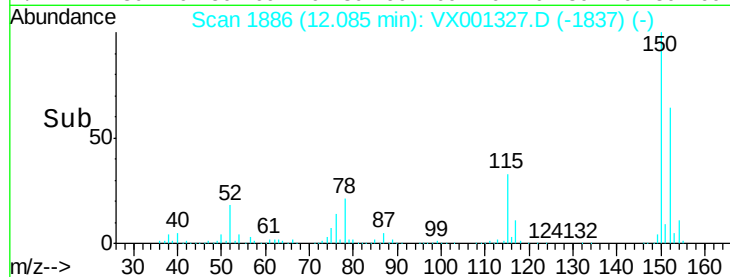
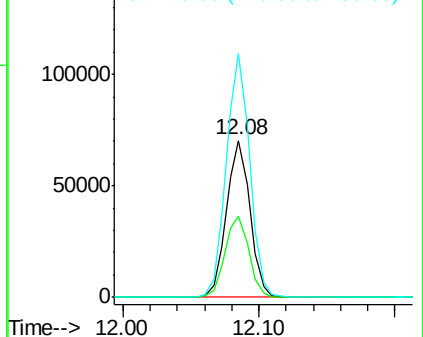
150 155.1 0.0 349.2



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: 0.27 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX001327.D

Acq: 02 May 2018 19:48

Tgt Ion: 43 Resp: 641

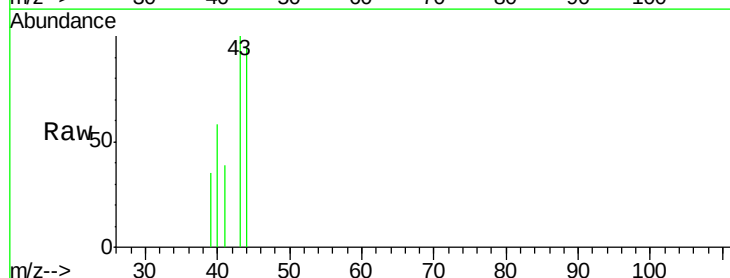
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 0.0 15.0 22.4#

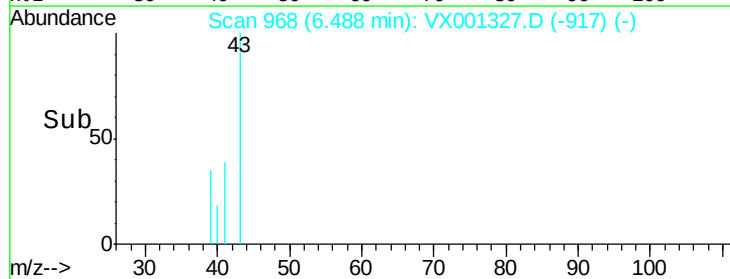
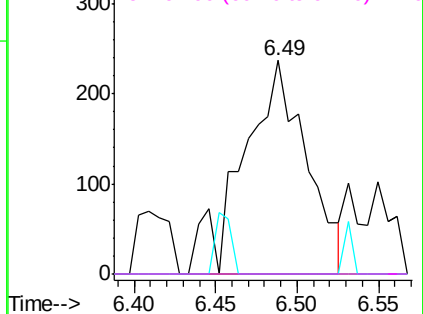


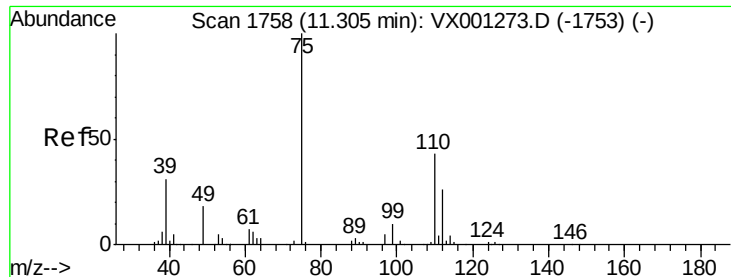
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

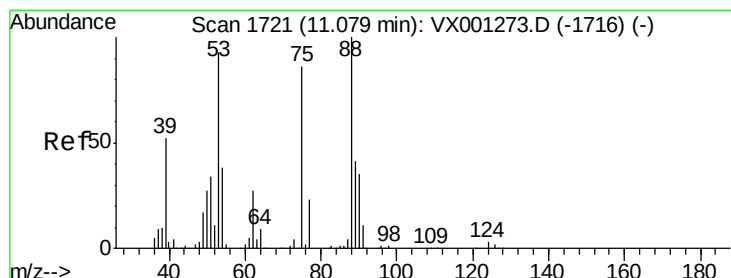
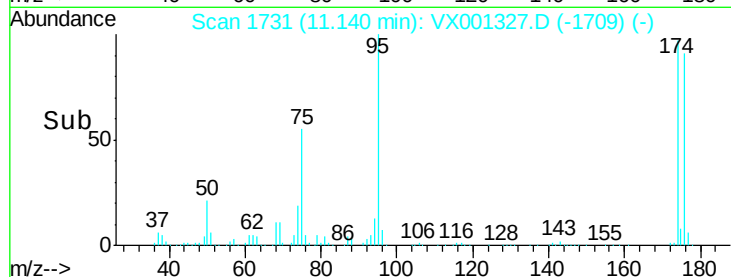
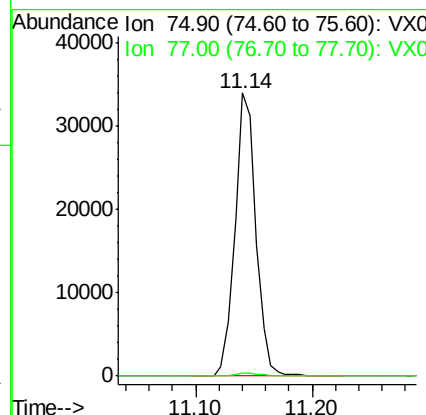
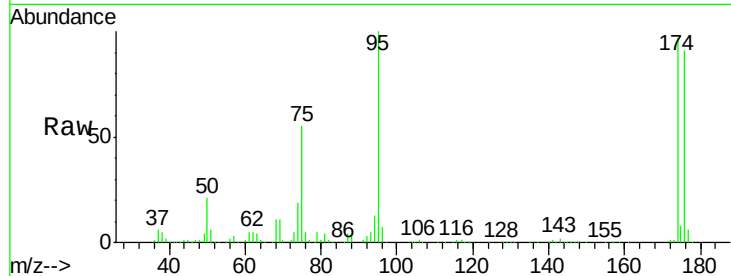




#76
 1,2,3-Trichloropropane
 Concen: 27.29 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001327.D
 Acq: 02 May 2018 19:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#12

Tgt Ion: 75 Resp: 42416
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.45 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001327.D
 Acq: 02 May 2018 19:48

Tgt Ion: 75 Resp: 42416
 Ion Ratio Lower Upper
 75 100
 53 0.3 87.1 130.7#
 89 0.0 38.9 58.3#

