

Data File : VX001337.D

Acq On : 03 May 2018 01:11

Operator : JC/MD

Sample : PB108794ZHE#16

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#16

Quant Time: May 03 05:11:43 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	147731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	178675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	98094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	94386	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
35) Dibromofluoromethane	5.51	113	76718	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	
50) Toluene-d8	8.72	98	281667	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
62) 4-Bromofluorobenzene	11.14	95	89182	35.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.98%	

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	326	0.20	ug/l	# 80
5) Bromomethane	1.67	94	700	Below	Cal	# 46
6) Chloroethane	1.74	64	354	0.33	ug/l	# 43
10) Methyl Iodide	2.52	142	781	4.73	ug/l	# 97
11) Tert butyl alcohol	3.07	59	98	0.28	ug/l	# 1
13) Acrolein	2.33	56	132	0.65	ug/l	# 14
16) Acetone	2.45	43	12635	14.47	ug/l	99
18) Methyl Acetate	2.79	43	16222	7.87	ug/l	98
20) Methylene Chloride	2.86	84	3691	0.77	ug/l	92
25) 2-Butanone	4.73	43	4660	3.95	ug/l	95
29) Tetrahydrofuran	5.18	42	1084	1.49	ug/l	# 69
31) Cyclohexane	5.68	56	2644	1.05	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	8675	3.73	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	13037	5.36	ug/l	# 18
51) 4-Methyl-2-Pentanone	8.66	43	889	0.36	ug/l	99
59) 2-Hexanone	9.51	43	649	0.34	ug/l	75
74) N-amyl acetate	6.48	43	623	0.22	ug/l	# 66
76) 1,2,3-Trichloropropane	11.14	75	45807	25.25	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	45807	79.40	ug/l	# 6

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

Data File : VX001337.D

Acq On : 03 May 2018 01:11

Operator : JC/MD

Sample : PB108794ZHE#16

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 32 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

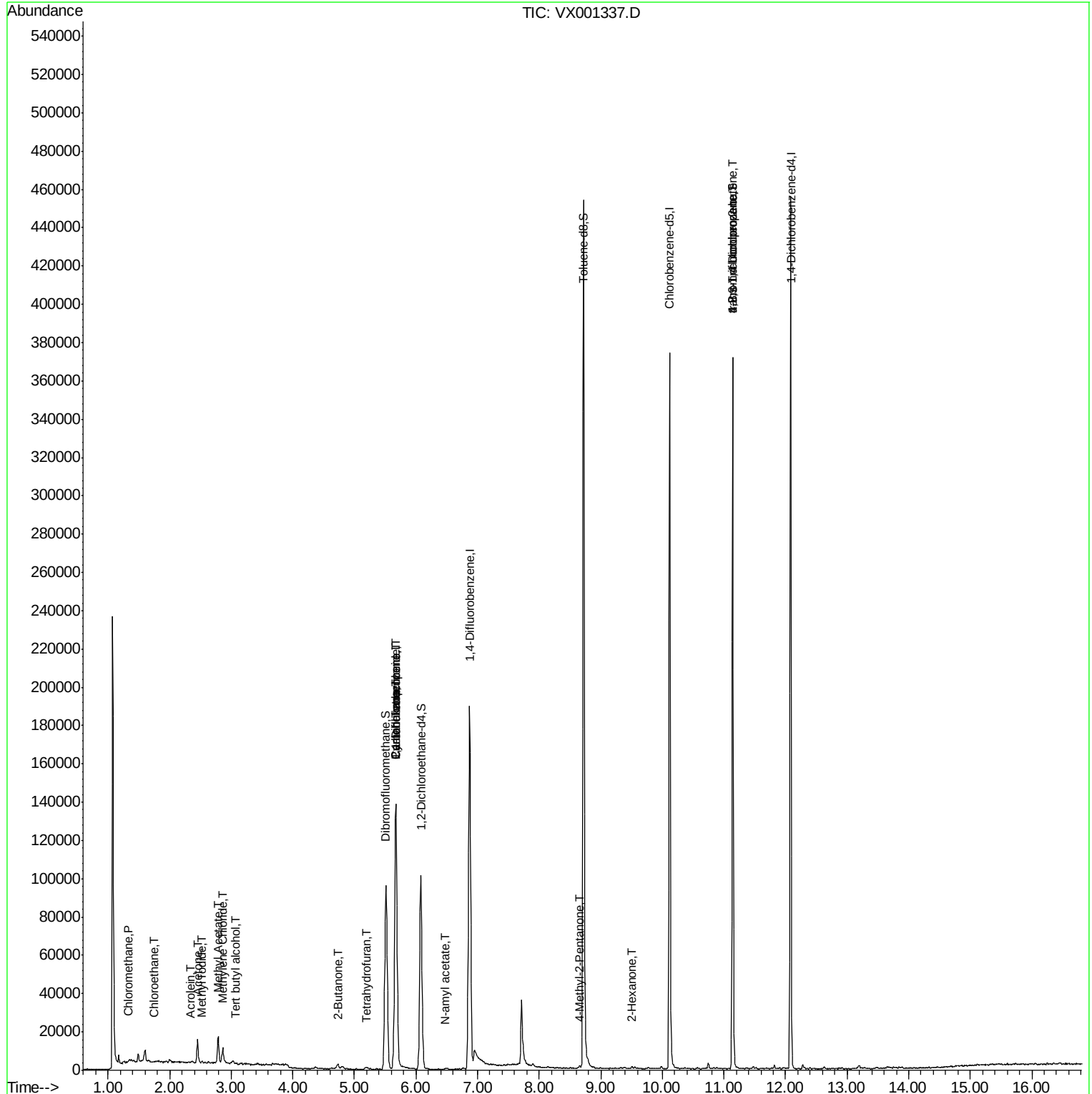
Quant Time: May 03 05:11:43 2018

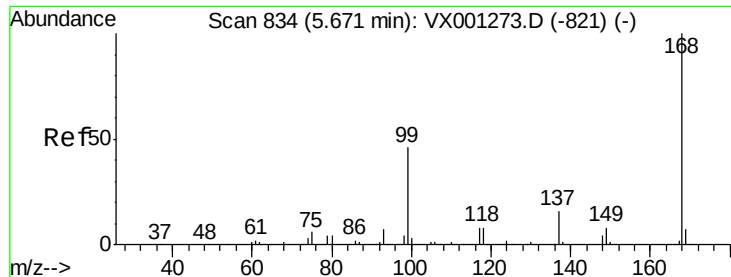
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

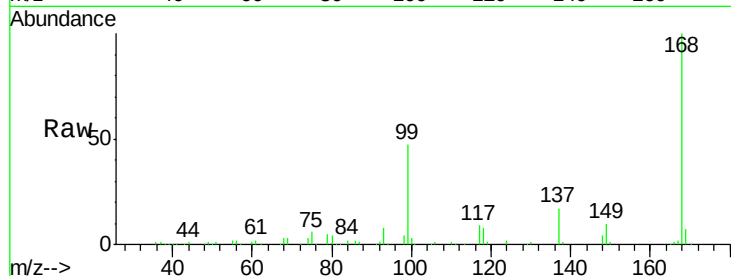
PB108794ZHE#16

Tgt Ion:168 Resp: 147731

Ion Ratio Lower Upper

168 100

99 47.4 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

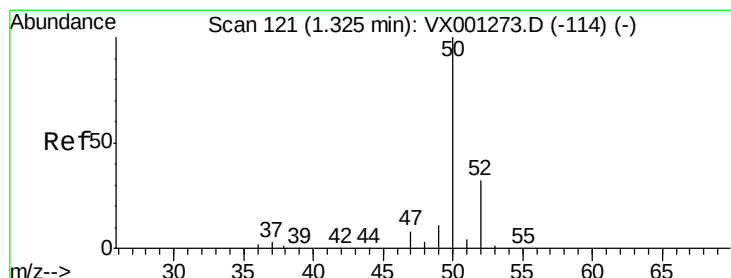
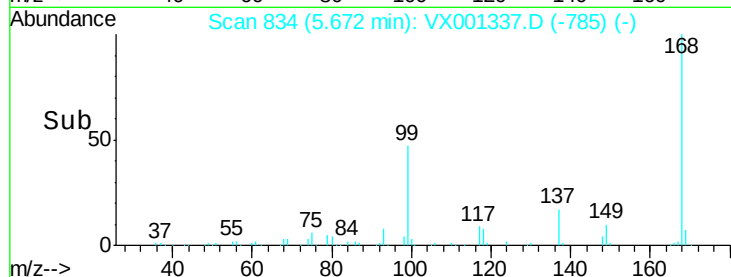
20000

10000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001337.D

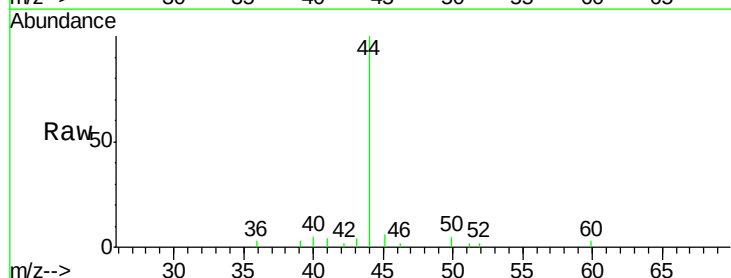
Acq: 03 May 2018 01:11

Tgt Ion: 50 Resp: 326

Ion Ratio Lower Upper

50 100

52 43.4 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

200

150

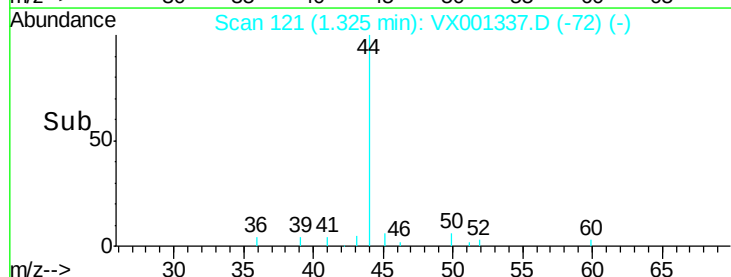
100

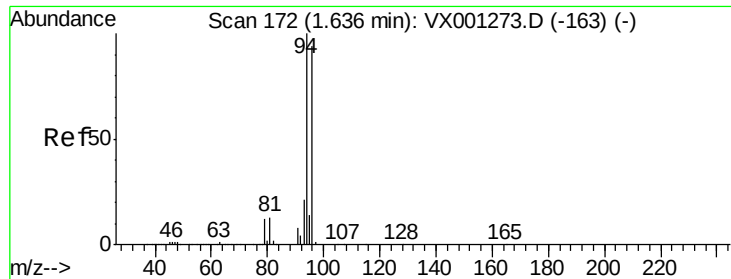
50

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

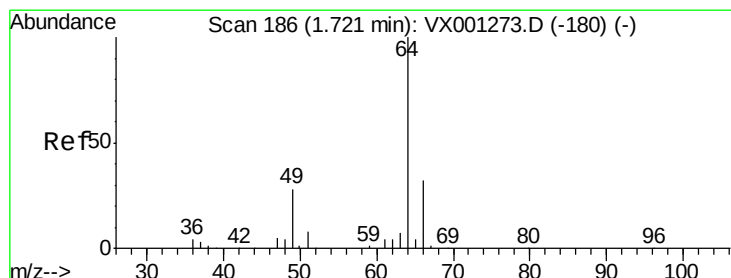
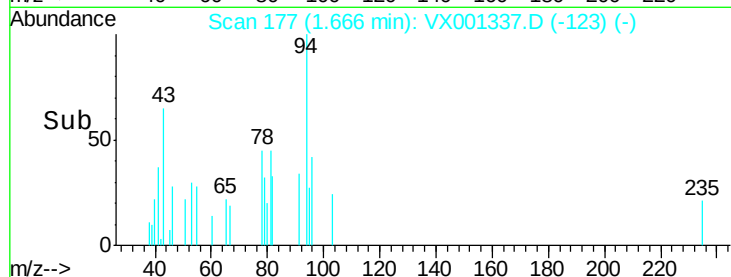
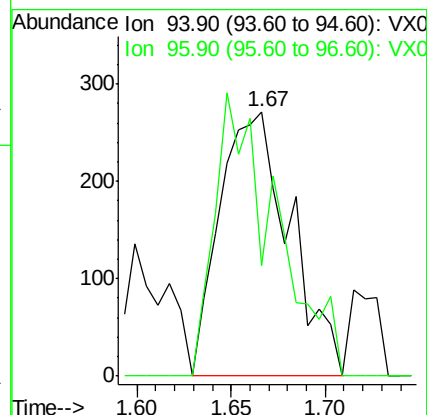
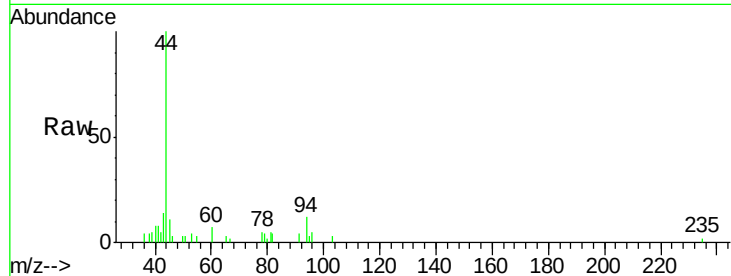
PB108794ZHE#16

Tgt Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 41.9 75.6 113.4#



#6

Chloroethane

Concen: 0.33 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX001337.D

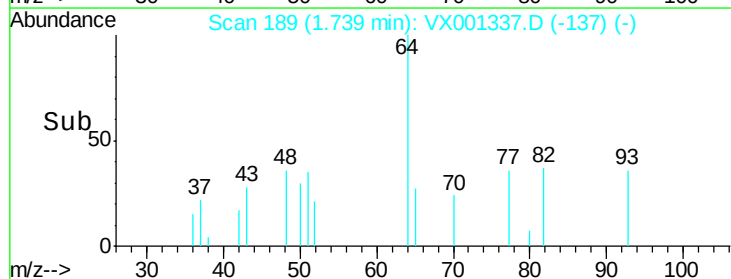
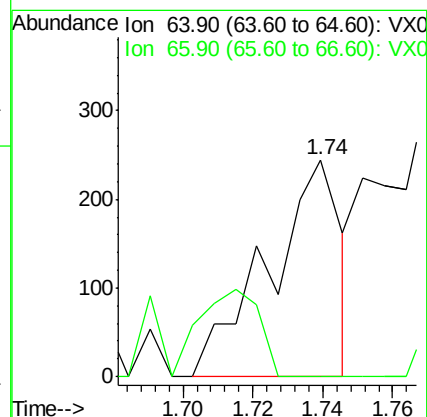
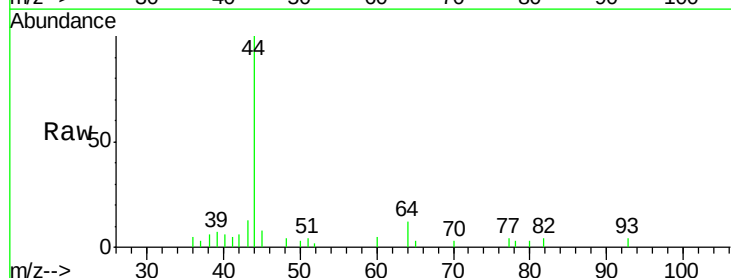
Acq: 03 May 2018 01:11

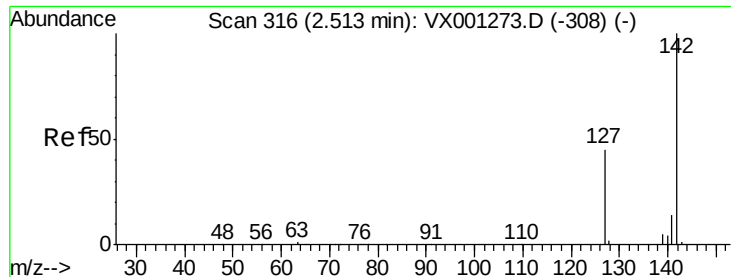
Tgt Ion: 64 Resp: 354

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

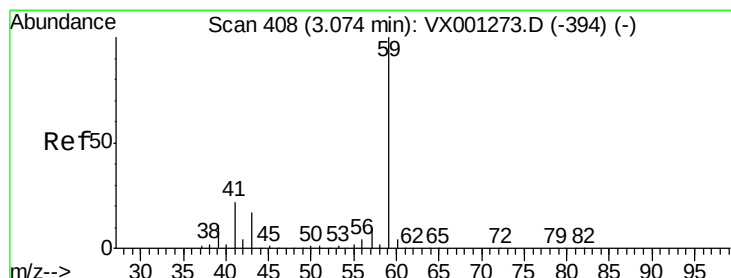
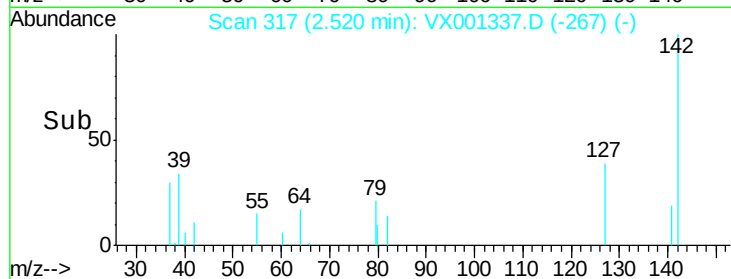
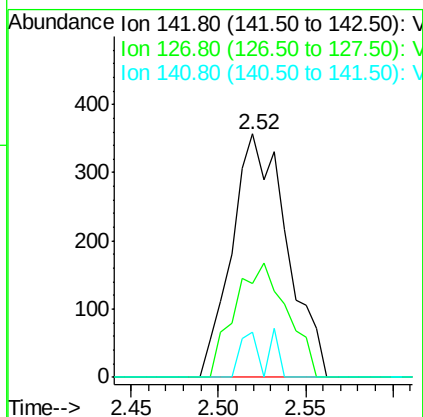
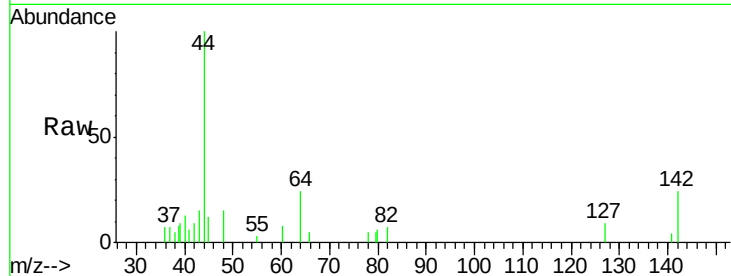




#10
Methyl Iodide
Concen: 4.73 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

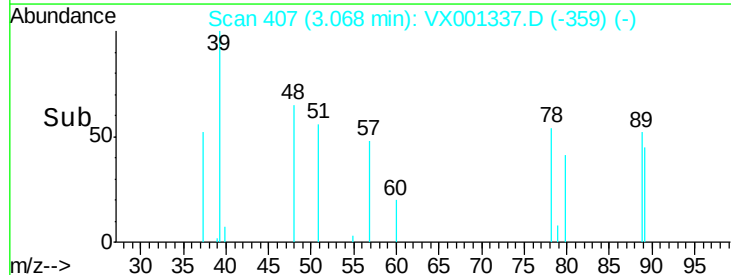
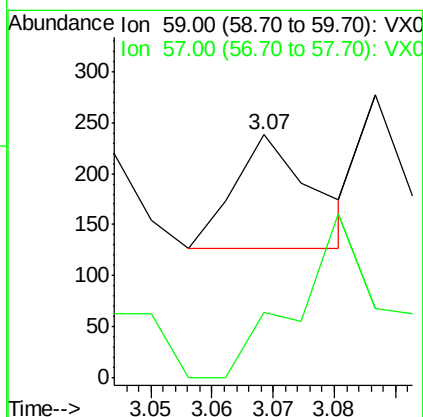
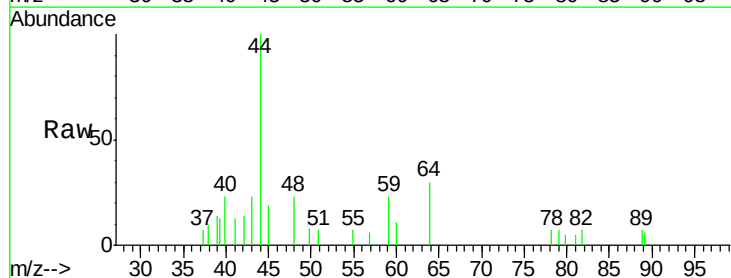
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#16

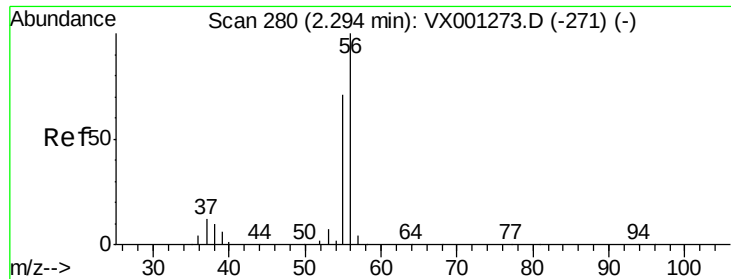
Tgt Ion:142 Resp: 781
Ion Ratio Lower Upper
142 100
127 44.8 35.7 53.5
141 9.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 153.1 8.6 12.8#





#13

Acrolein

Concen: 0.65 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.04 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

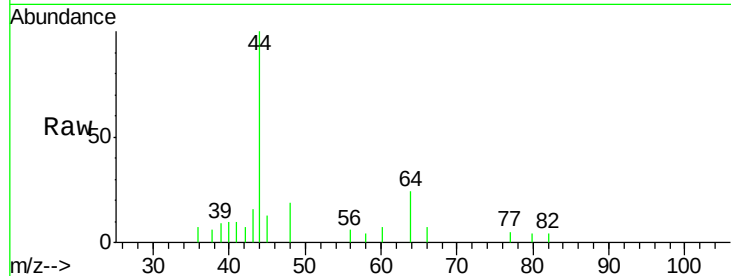
PB108794ZHE#16

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

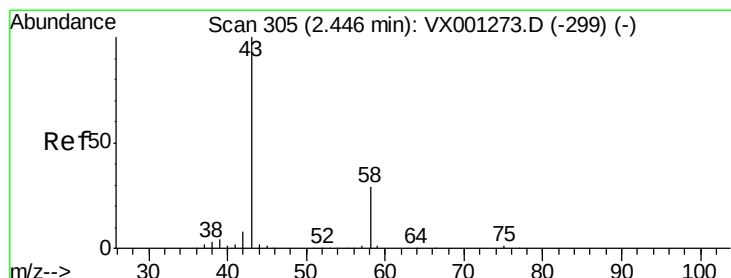
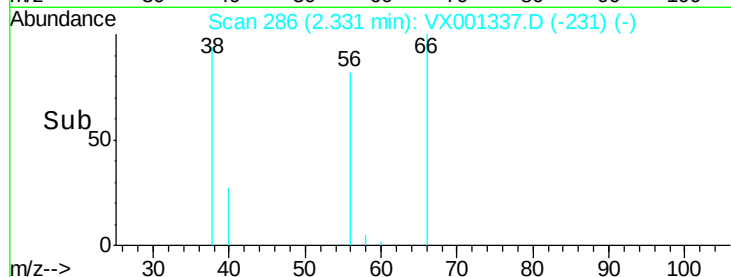
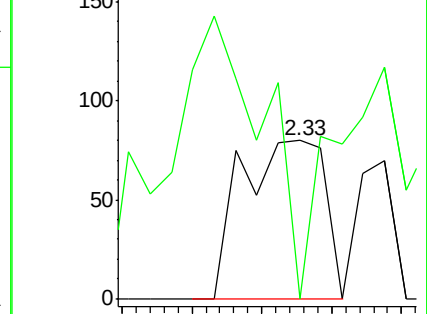
56 100

55 0.0 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: 14.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001337.D

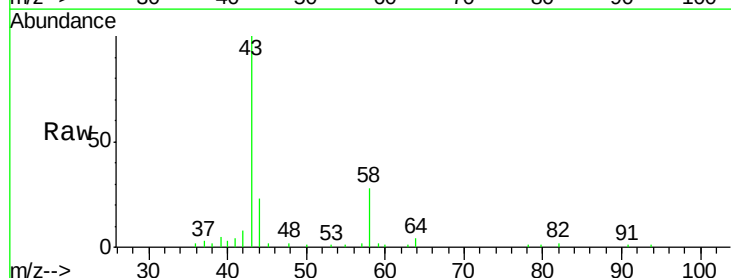
Acq: 03 May 2018 01:11

Tgt Ion: 43 Resp: 12635

Ion Ratio Lower Upper

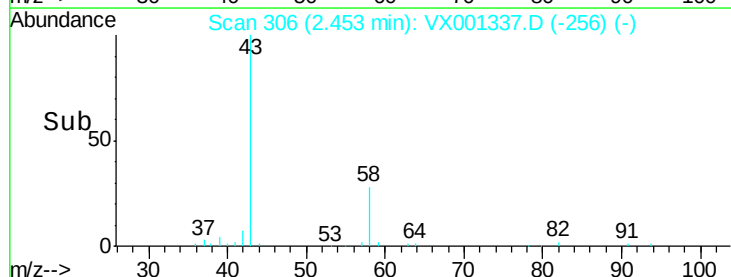
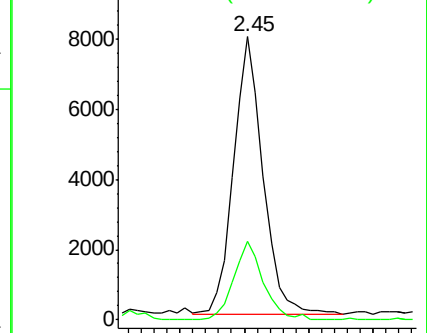
43 100

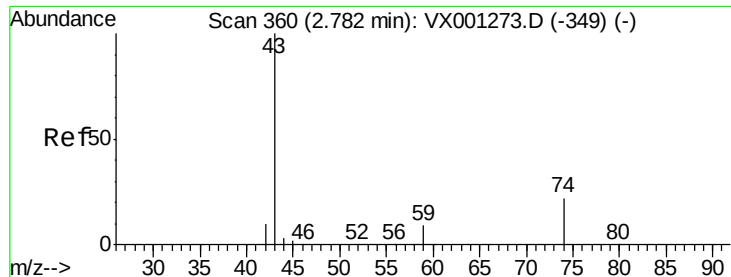
58 28.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

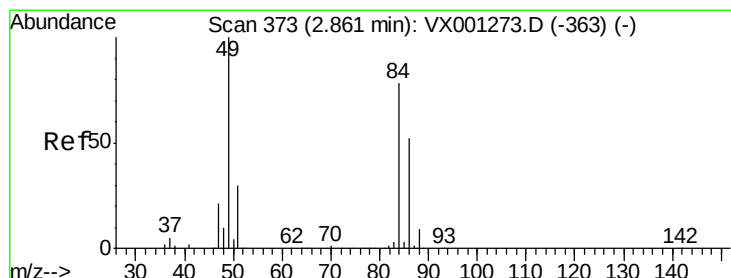
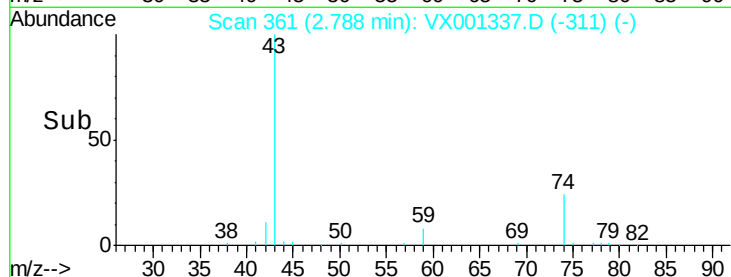
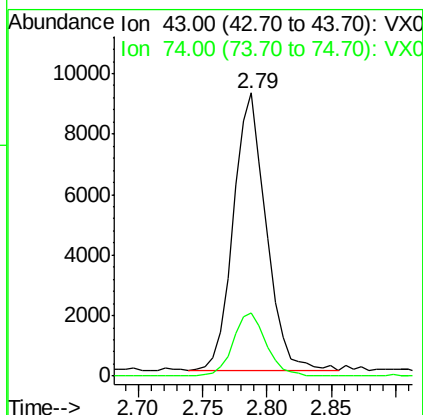
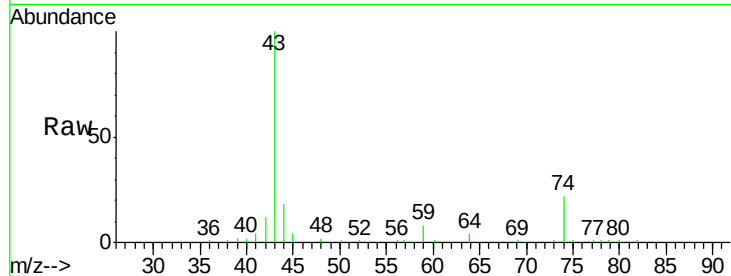




#18
Methyl Acetate
Concen: 7.87 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

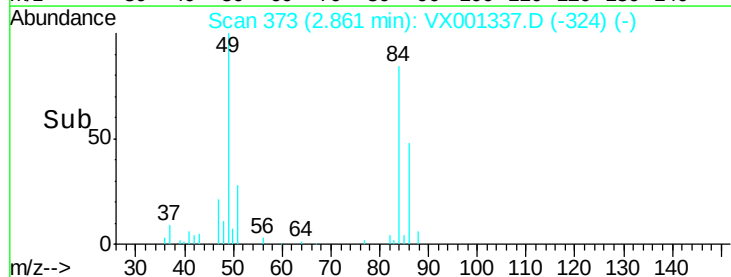
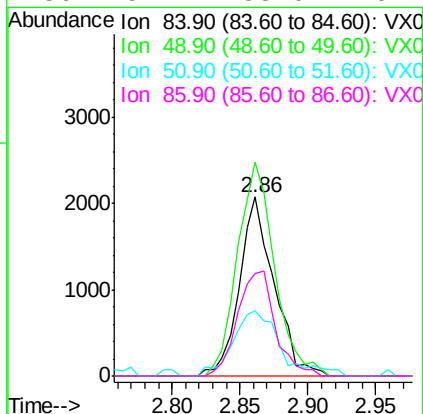
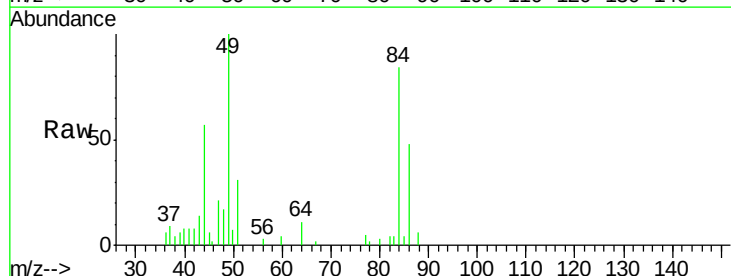
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#16

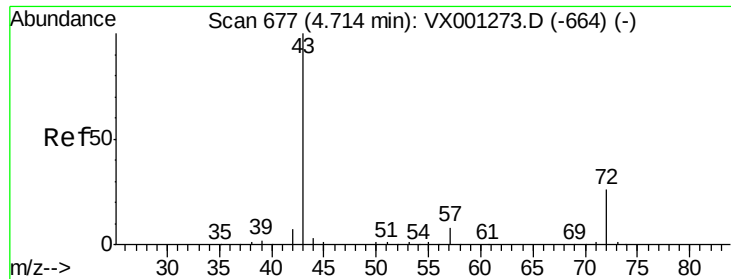
Tgt Ion: 43 Resp: 16222
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.6



#20
Methylene Chloride
Concen: 0.77 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

Tgt Ion: 84 Resp: 3691
Ion Ratio Lower Upper
84 100
49 119.5 102.8 154.2
51 36.5 30.9 46.3
86 57.1 53.0 79.4





#25

2-Butanone

Concen: 3.95 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

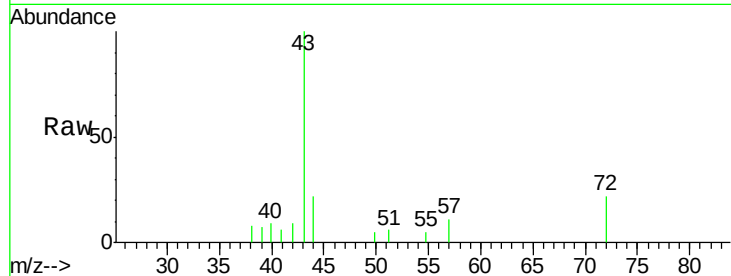
PB108794ZHE#16

Tgt Ion: 43 Resp: 4660

Ion Ratio Lower Upper

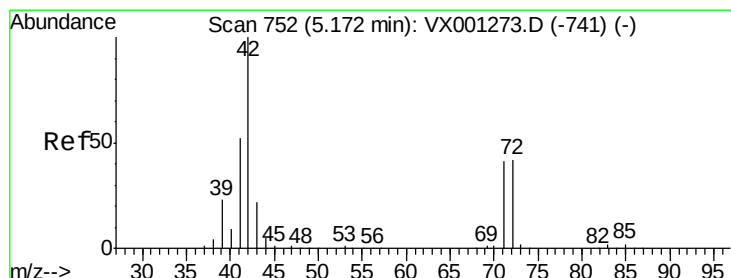
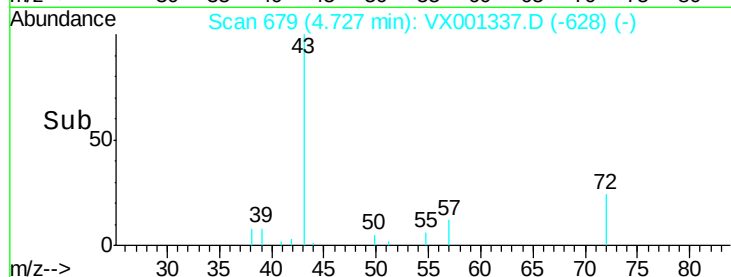
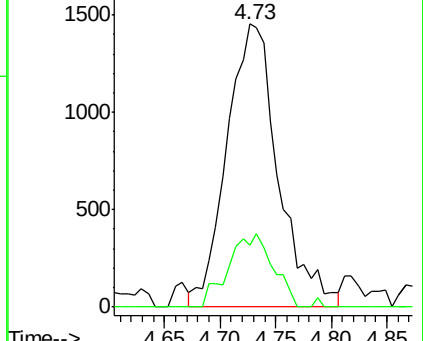
43 100

72 23.0 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: 1.49 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

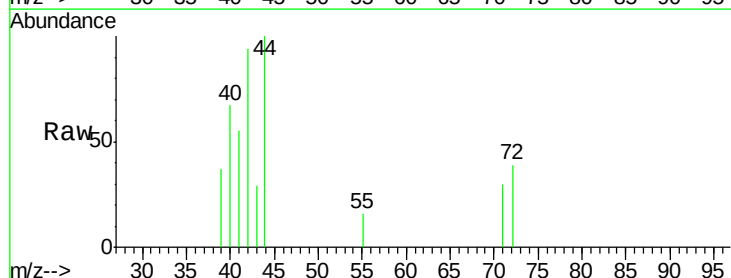
Tgt Ion: 42 Resp: 1084

Ion Ratio Lower Upper

42 100

72 33.7 34.6 52.0#

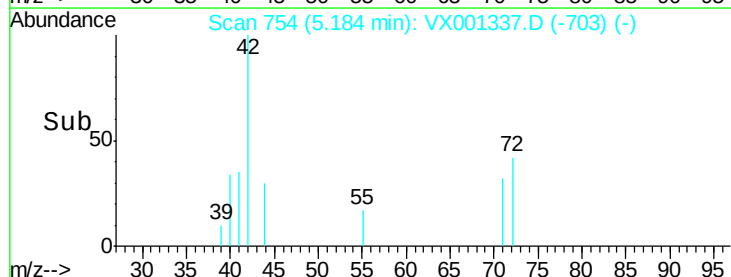
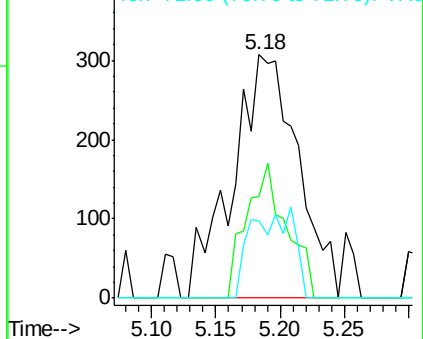
71 11.5 32.7 49.1#

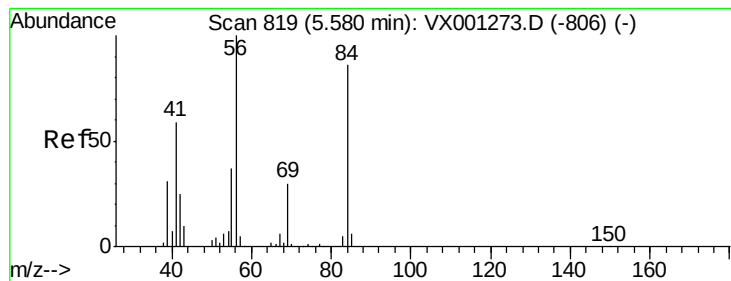


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

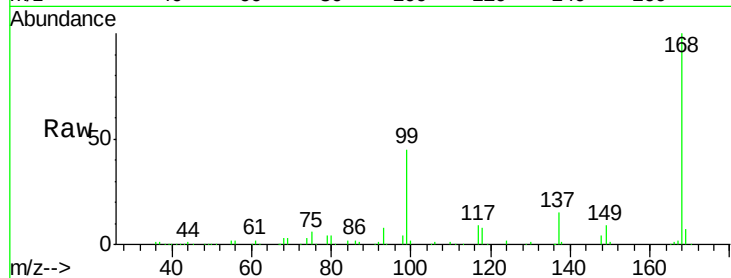
Tgt Ion: 56 Resp: 2644

Ion Ratio Lower Upper

56 100

69 152.7 24.0 36.0#

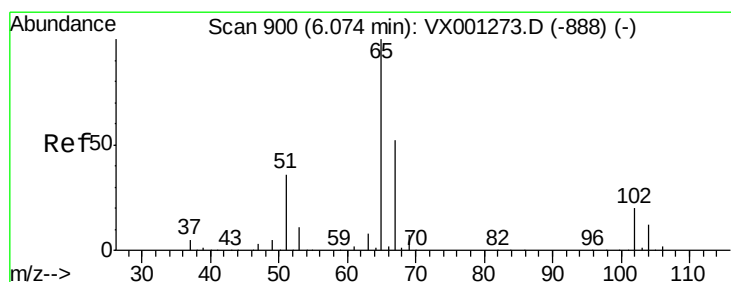
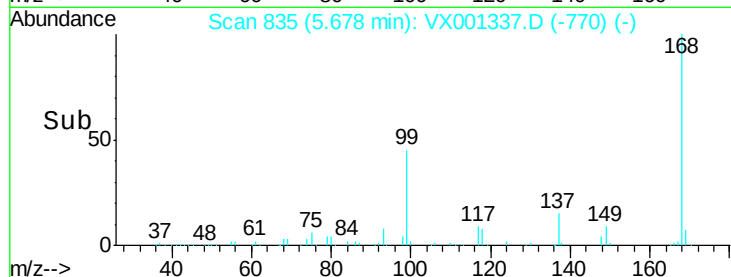
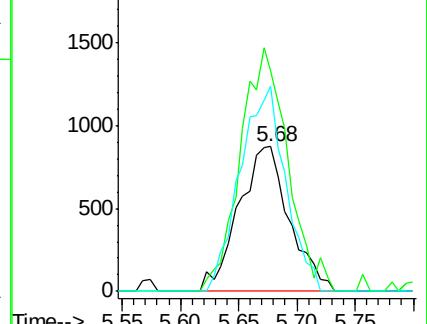
84 141.6 69.0 103.4#



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: 46.16 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001337.D

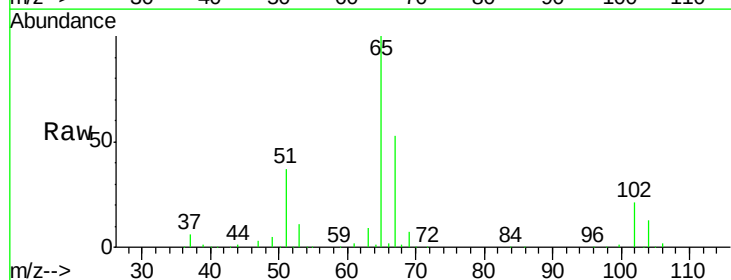
Acq: 03 May 2018 01:11

Tgt Ion: 65 Resp: 94386

Ion Ratio Lower Upper

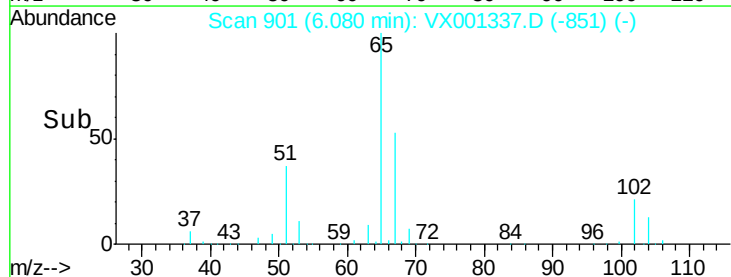
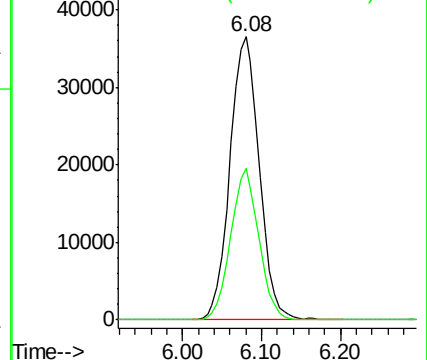
65 100

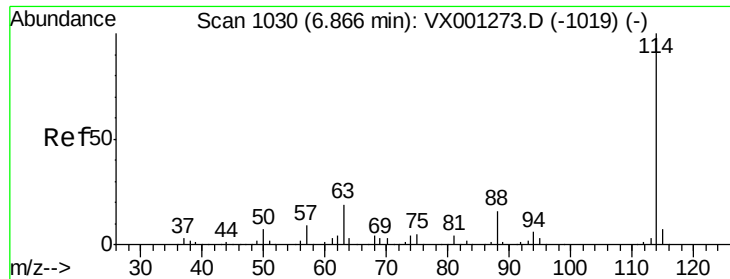
67 51.2 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

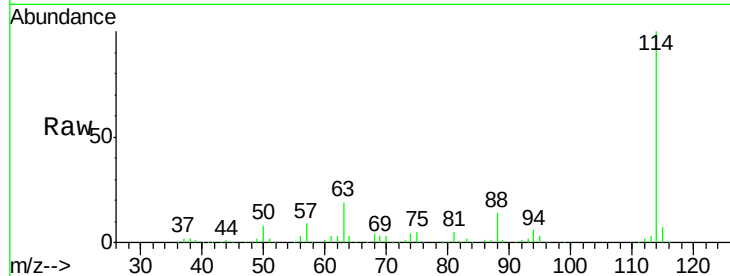




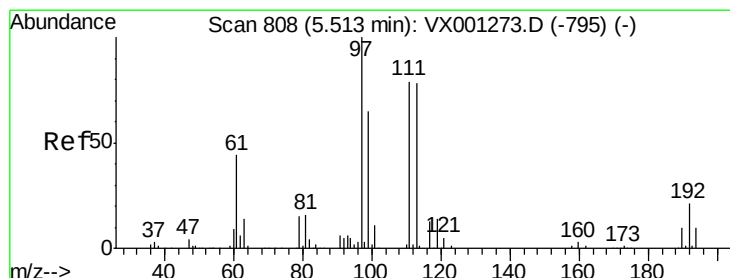
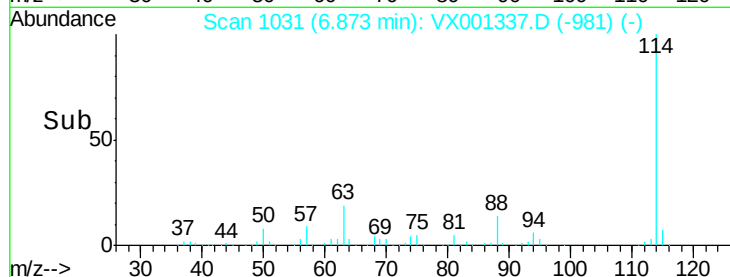
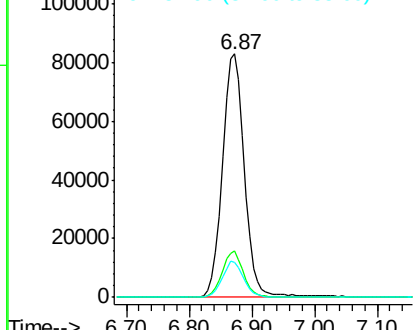
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001337.D
 Acq: 03 May 2018 01:11

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#16

Tgt Ion:114 Resp: 201328
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.8
 88 14.2 0.0 32.2

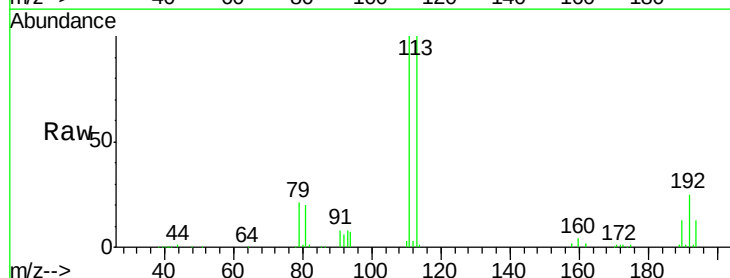


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

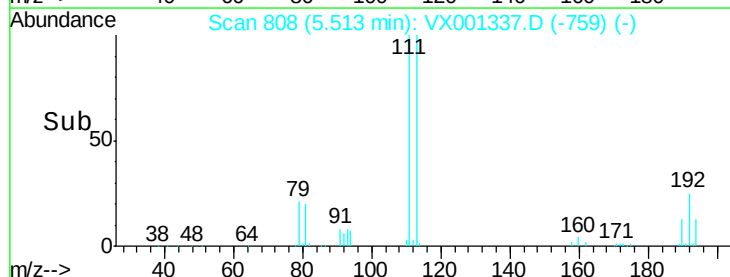
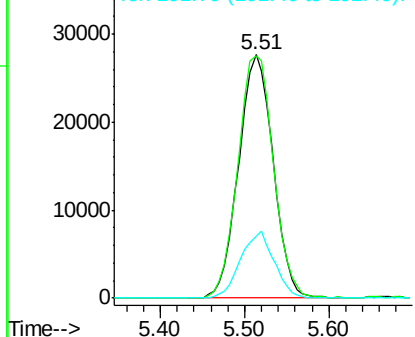


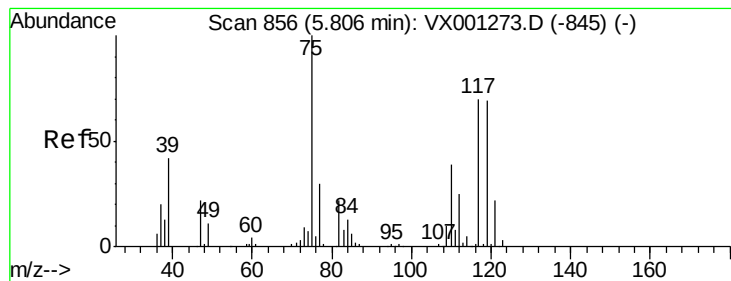
#35
 Dibromofluoromethane
 Concen: 44.23 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001337.D
 Acq: 03 May 2018 01:11

Tgt Ion:113 Resp: 76718
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.2 121.8
 192 26.6 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: 3.73 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

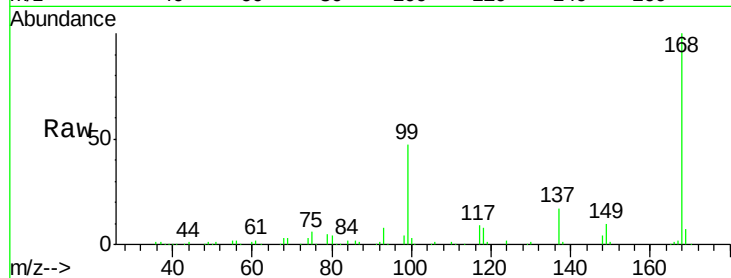
Tgt Ion: 75 Resp: 8675

Ion Ratio Lower Upper

75 100

110 11.1 18.9 56.9#

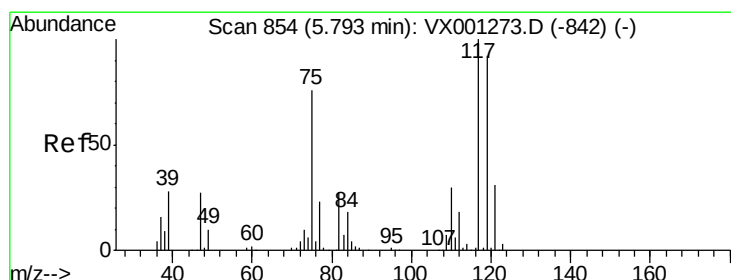
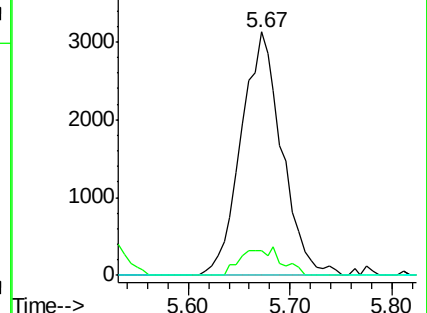
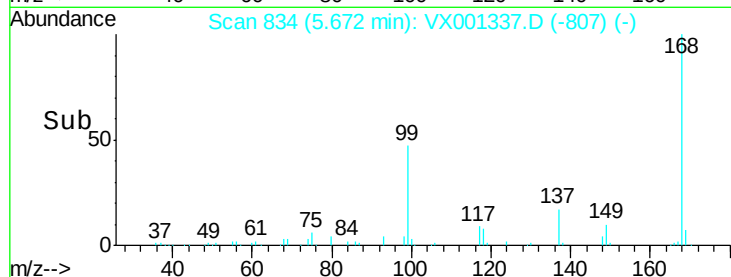
77 0.0 24.2 36.2#



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: 5.36 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

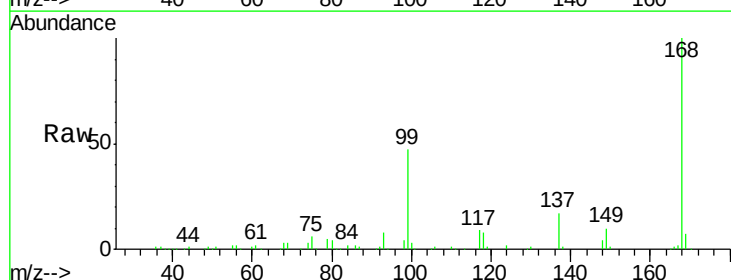
Tgt Ion: 117 Resp: 13037

Ion Ratio Lower Upper

117 100

119 6.0 73.4 110.2#

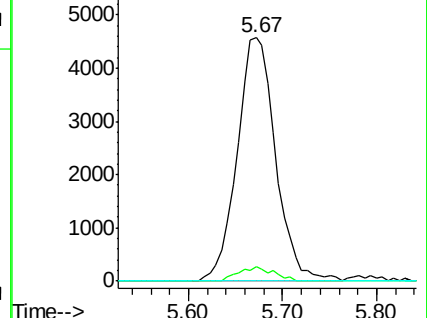
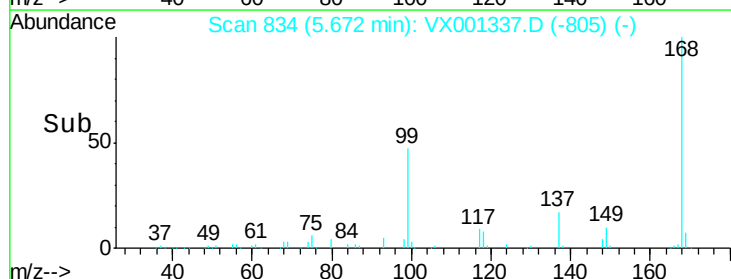
121 0.0 25.0 37.4#

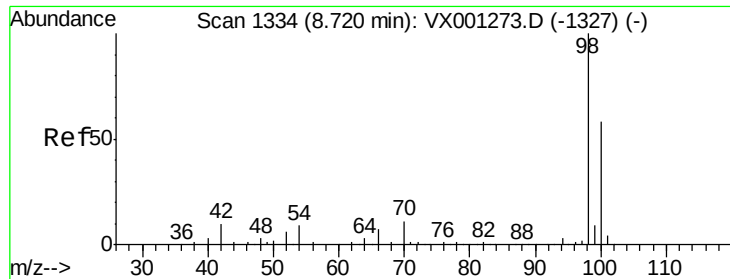


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

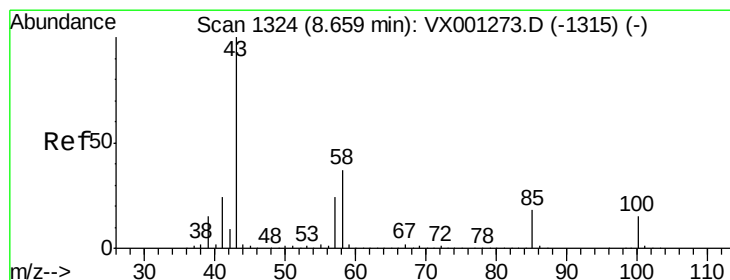
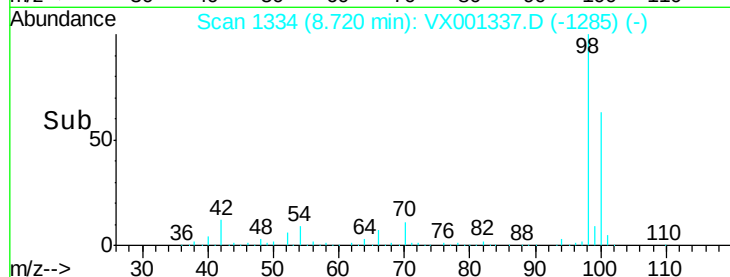
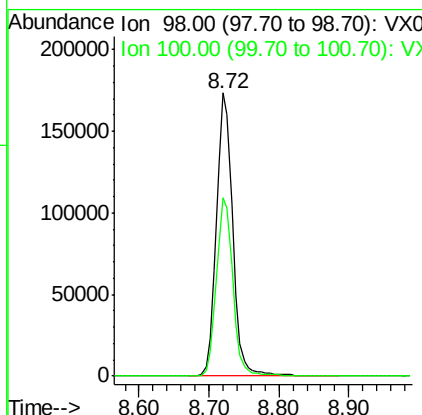
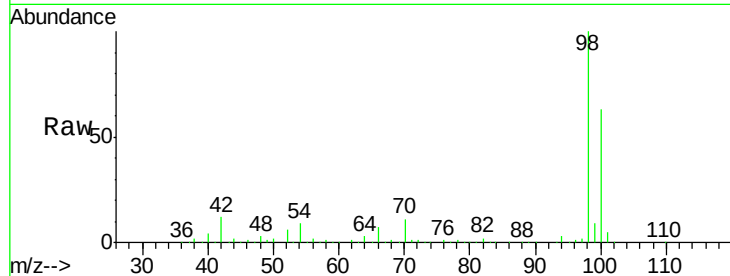




#50
Toluene-d8
Concen: 45.45 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

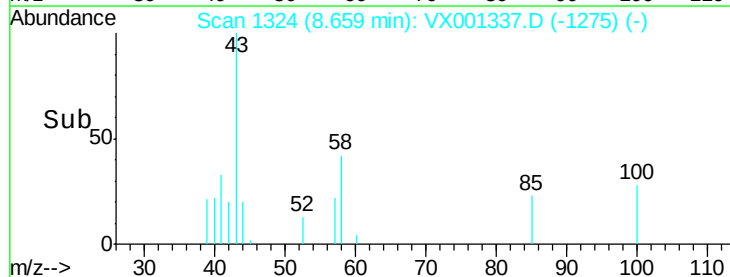
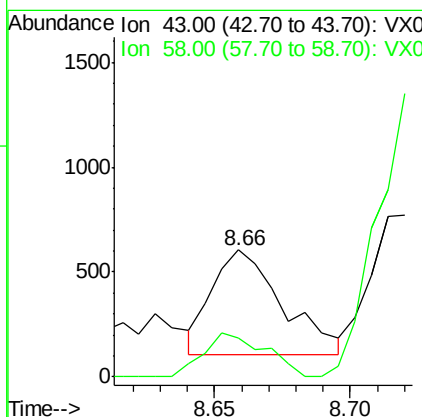
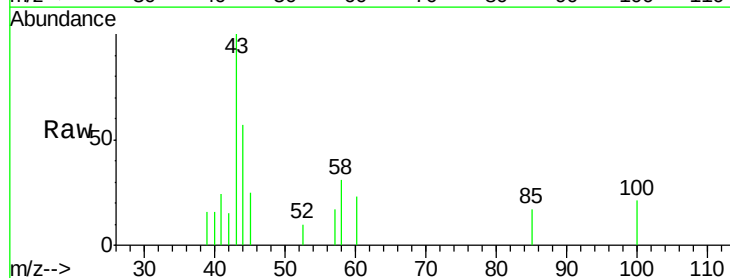
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#16

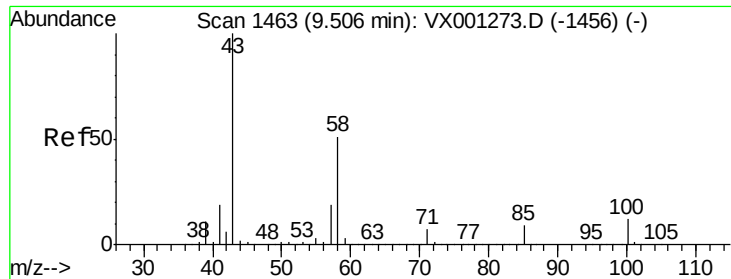
Tgt Ion: 98 Resp: 281667
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
58 37.0 29.0 43.6

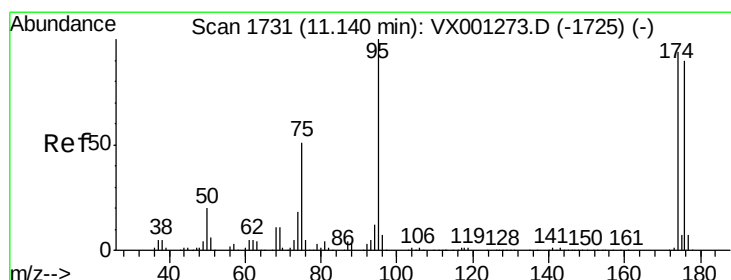
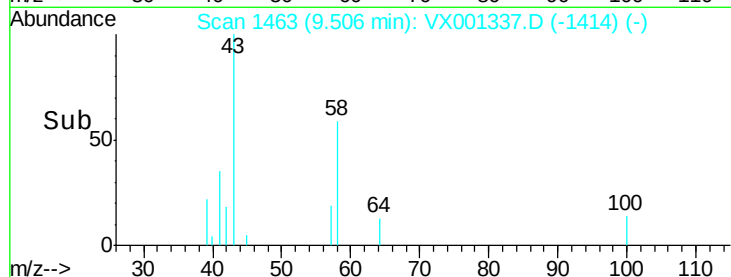
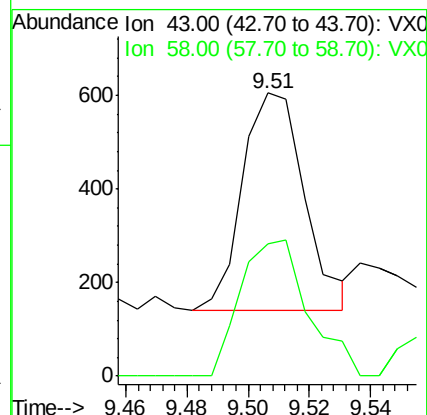
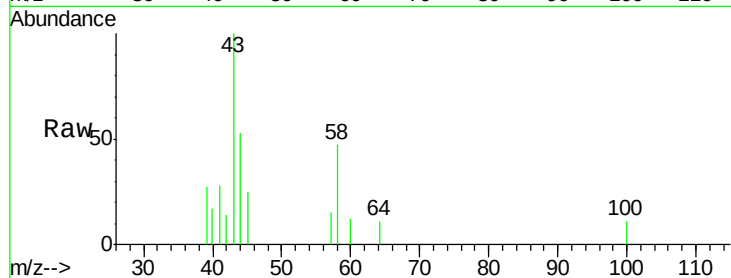




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

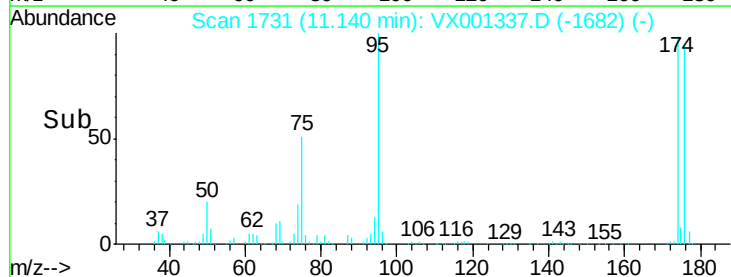
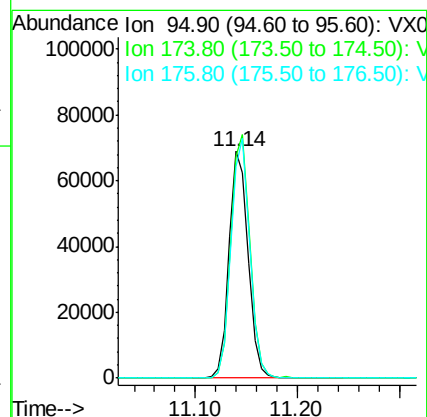
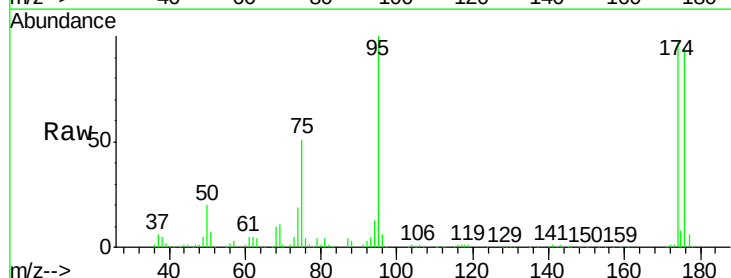
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#16

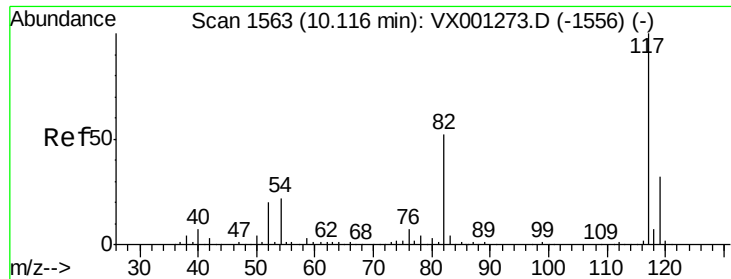
Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
58 68.9 25.7 77.0



#62
4-Bromofluorobenzene
Concen: 35.99 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001337.D
Acq: 03 May 2018 01:11

Tgt Ion: 95 Resp: 89182
Ion Ratio Lower Upper
95 100
174 107.2 0.0 201.8
176 103.8 0.0 197.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

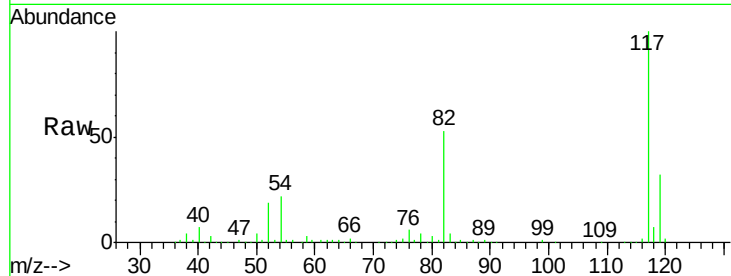
Tgt Ion:117 Resp: 178675

Ion Ratio Lower Upper

117 100

82 53.2 41.4 62.0

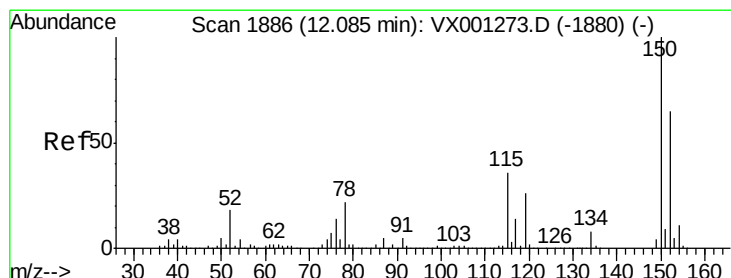
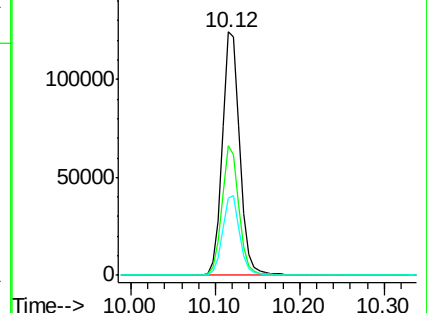
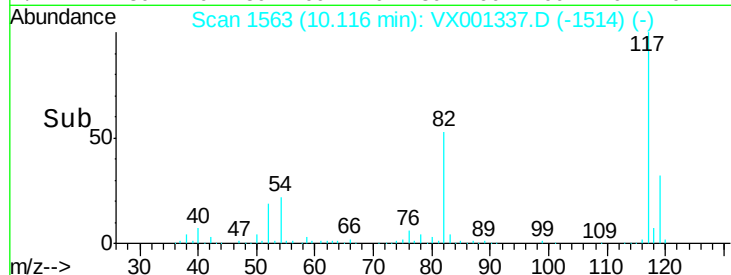
119 32.0 25.5 38.3



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: VX001337.D

Acq: 03 May 2018 01:11

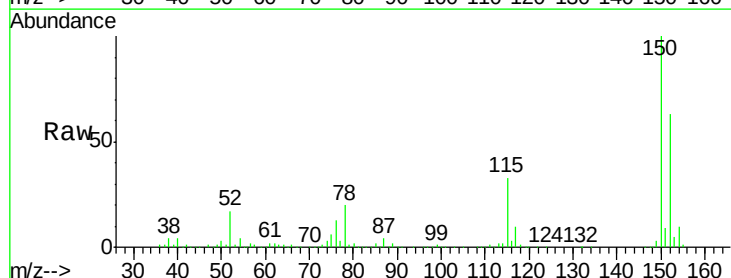
Tgt Ion:152 Resp: 98094

Ion Ratio Lower Upper

152 100

115 52.6 38.6 115.7

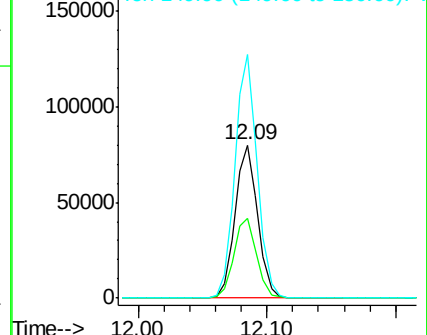
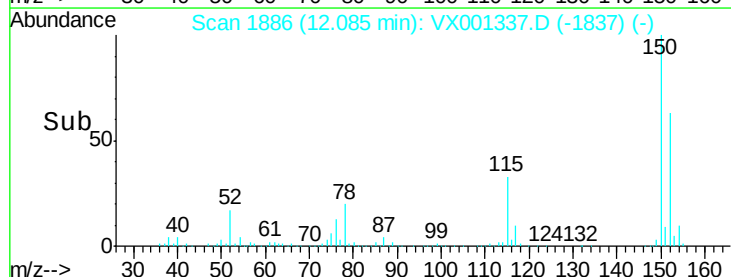
150 156.8 0.0 349.2

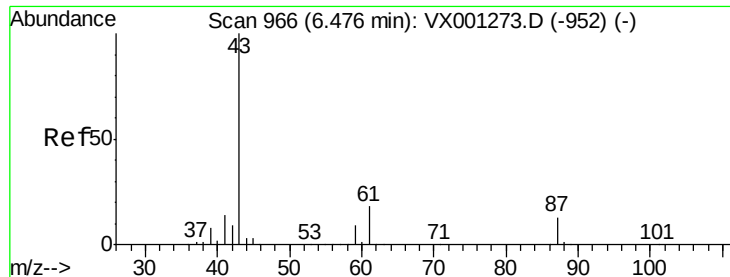


Abundance Ion 151.90 (151.60 to 152.60): V

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# 966

Delta R.T. 0.00 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

Tgt Ion: 43 Resp: 623

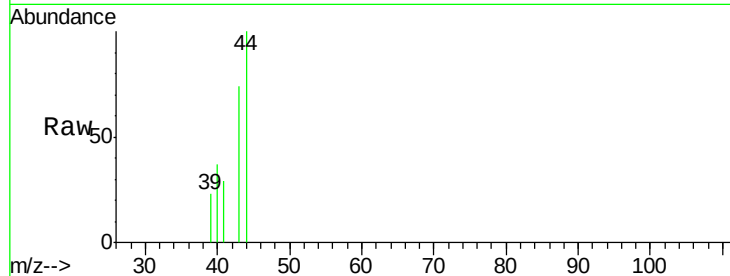
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 3.2 15.0 22.4#

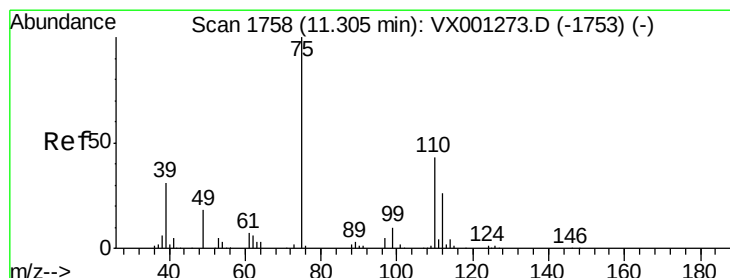
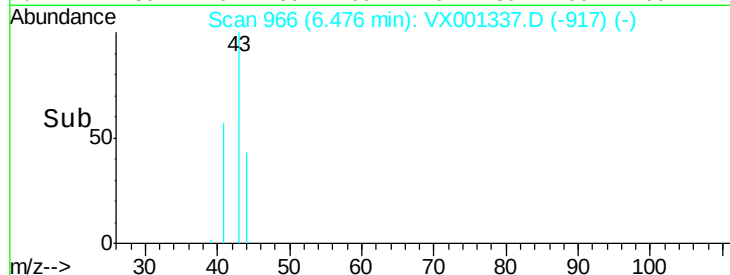
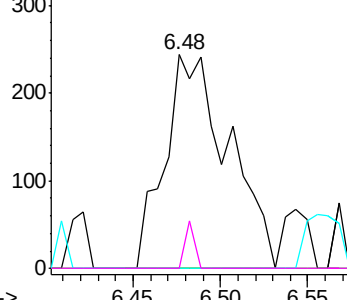


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001337.D

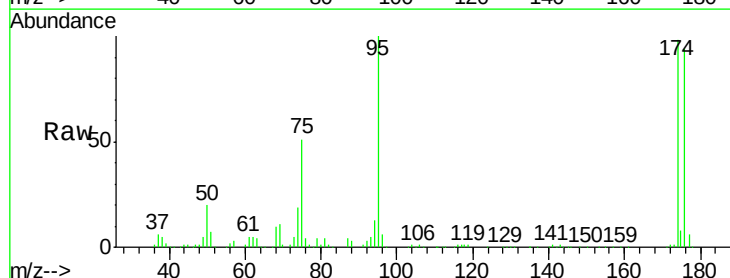
Acq: 03 May 2018 01:11

Tgt Ion: 75 Resp: 45807

Ion Ratio Lower Upper

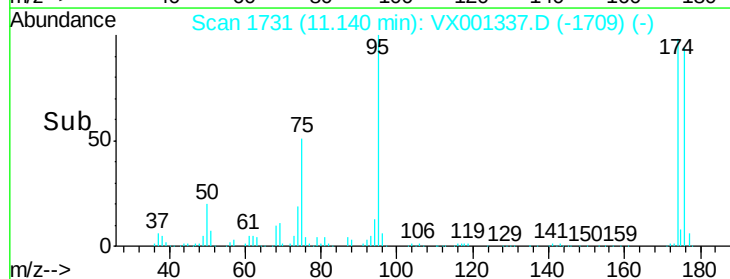
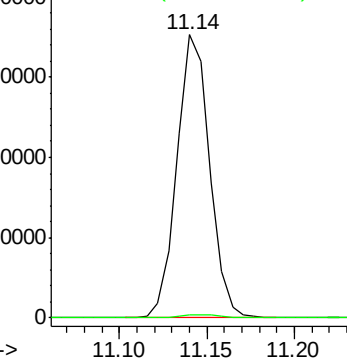
75 100

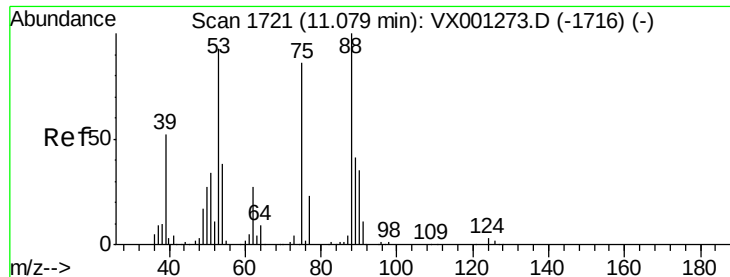
77 1.3 18.9 56.5#



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: 79.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001337.D

Acq: 03 May 2018 01:11

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#16

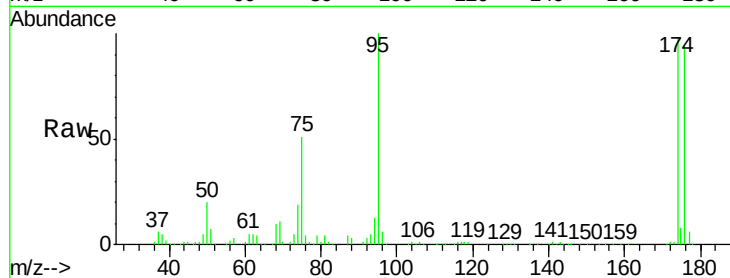
Tgt Ion: 75 Resp: 45807

Ion Ratio Lower Upper

75 100

53 0.0 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

