

Data File : VX000520.D
Acq On : 29 Mar 2018 18:32
Operator : JC/MD
Sample : J2097-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PZ-8

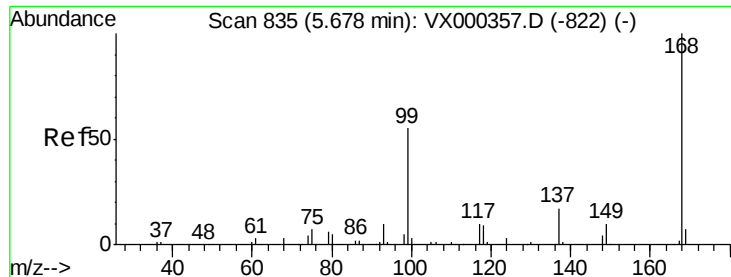
Quant Time: Mar 30 06:55:18 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	116779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	211950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112987	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	83624	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	5.51	113	64842	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.73	98	273320	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.15	95	97467	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	271	0.20	ug/l #	69
6) Chloroethane	1.70	64	191	Below Cal	#	79
11) Tert butyl alcohol	3.07	59	1892	3.61	ug/l #	87
13) Acrolein	2.33	56	80	15.03	ug/l #	1
15) Acrylonitrile	3.16	53	214	0.20	ug/l #	68
16) Acetone	2.45	43	772	0.61	ug/l #	60
19) Methyl tert-butyl Ether	3.21	73	4645	0.99	ug/l	94
31) Cyclohexane	5.68	56	2616	1.36	ug/l #	32
36) 1,1-Dichloropropene	5.68	75	8988	4.65	ug/l #	50
38) Carbon Tetrachloride	5.68	117	11248	5.55	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	1423	0.47	ug/l #	1
74) N-amyl acetate	6.45	43	18	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	54523	22.45	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	54523	72.70	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000520.D

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Instrument :

MSVOA_X

ClientSampleId :

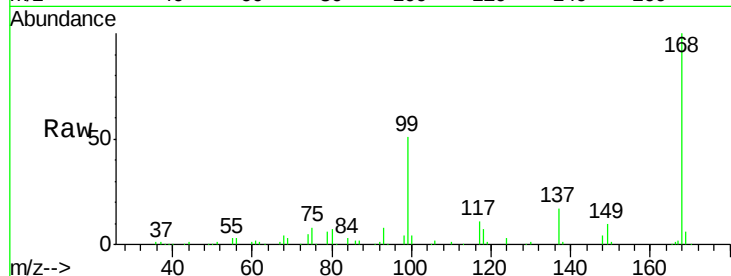
PZ-8

Tgt Ion:168 Resp: 116779

Ion Ratio Lower Upper

168 100

99 51.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

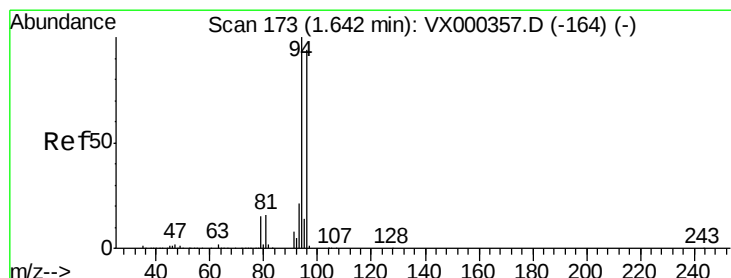
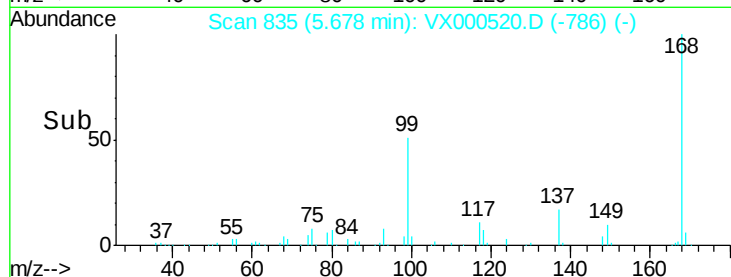
20000

10000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.20 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000520.D

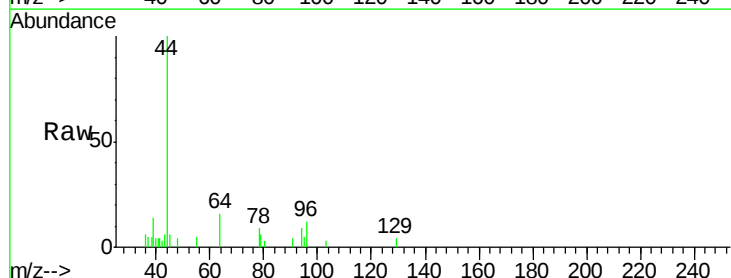
Acq: 29 Mar 2018 18:32

Tgt Ion: 94 Resp: 271

Ion Ratio Lower Upper

94 100

96 127.6 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

250

200

150

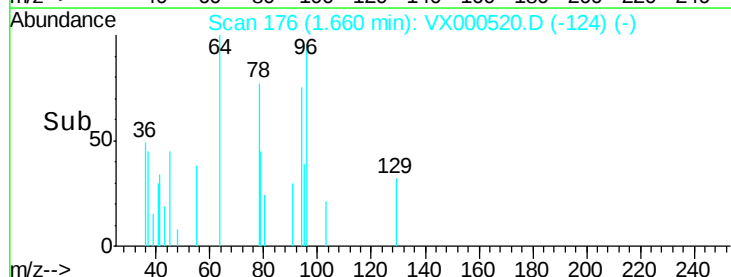
100

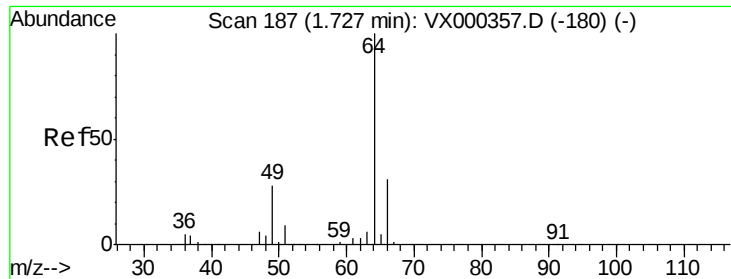
50

0

1.65 1.70

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

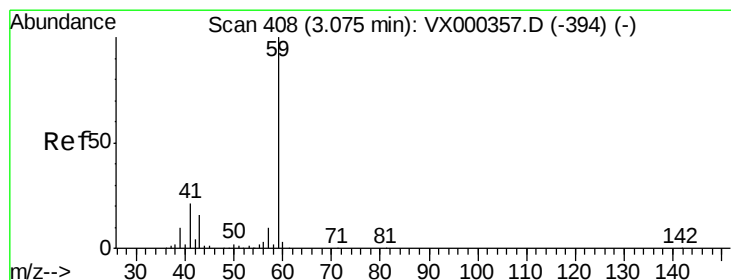
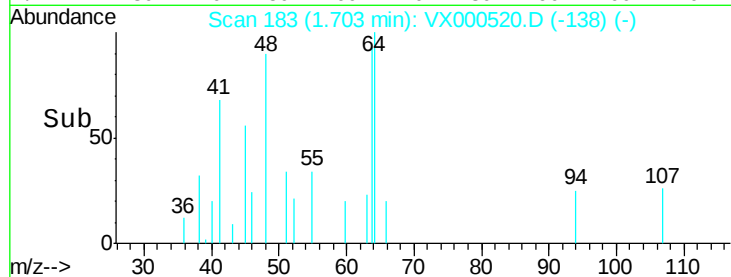
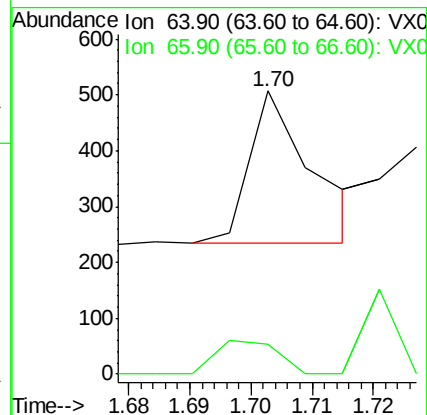
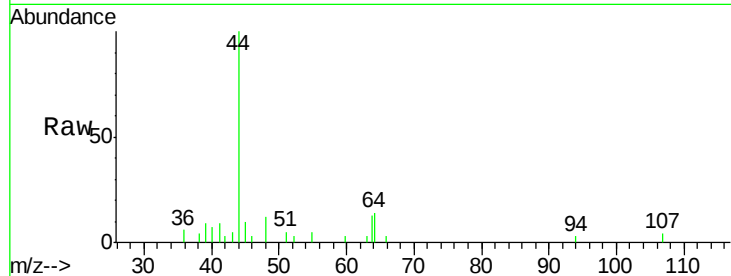
PZ-8

Tgt Ion: 64 Resp: 191

Ion Ratio Lower Upper

64 100

66 19.5 24.8 37.2#



#11

Tert butyl alcohol

Concen: 3.61 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000520.D

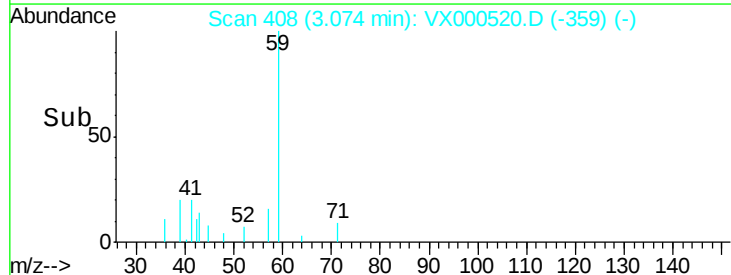
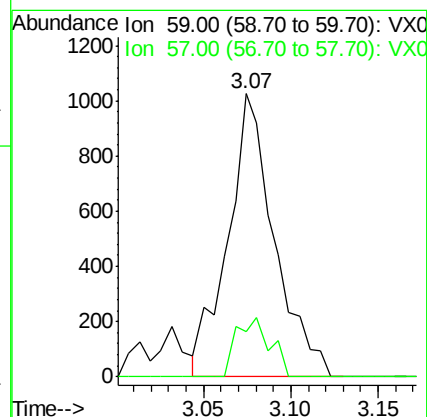
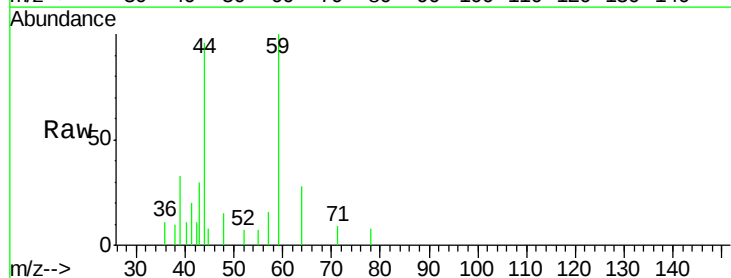
Acq: 29 Mar 2018 18:32

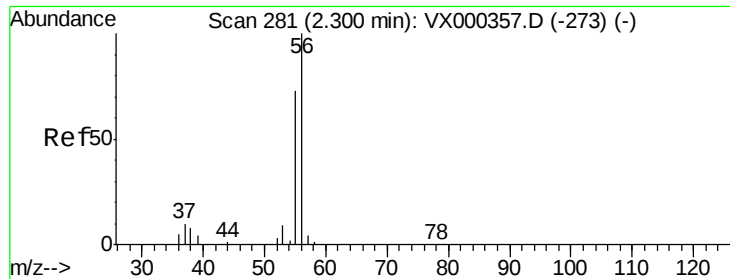
Tgt Ion: 59 Resp: 1892

Ion Ratio Lower Upper

59 100

57 15.2 8.4 12.6#





#13

Acrolein

Concen: 15.03 ug/l

RT: 2.33 min Scan# 286

Delta R.T. 0.03 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

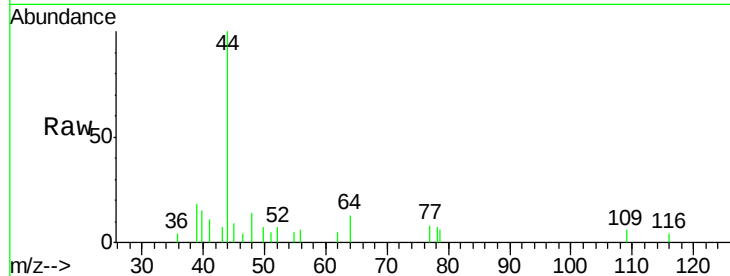
PZ-8

Tgt Ion: 56 Resp: 80

Ion Ratio Lower Upper

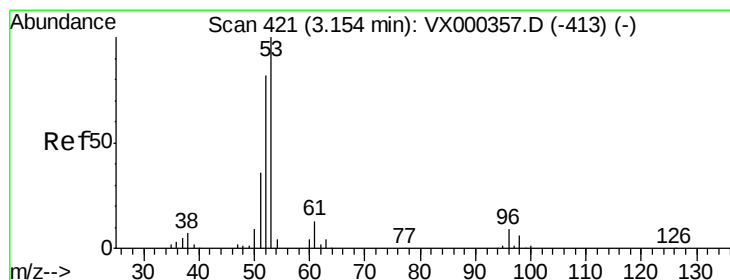
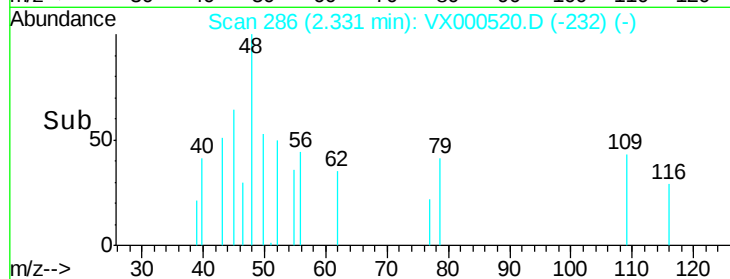
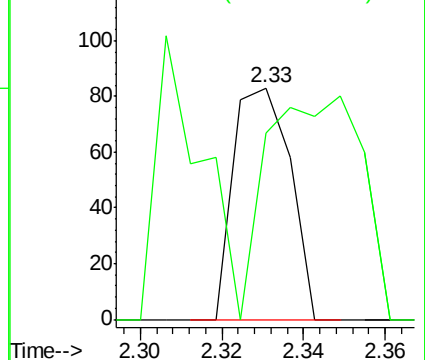
56 100

55 162.5 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.20 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

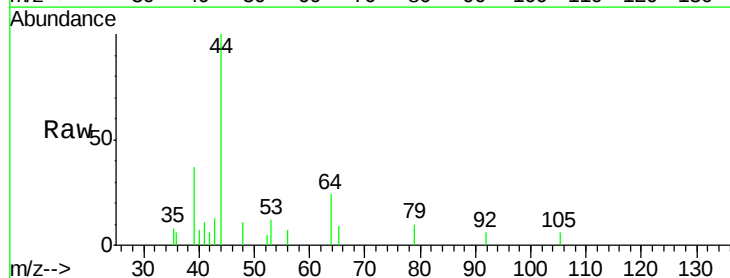
Tgt Ion: 53 Resp: 214

Ion Ratio Lower Upper

53 100

52 43.9 66.6 99.8#

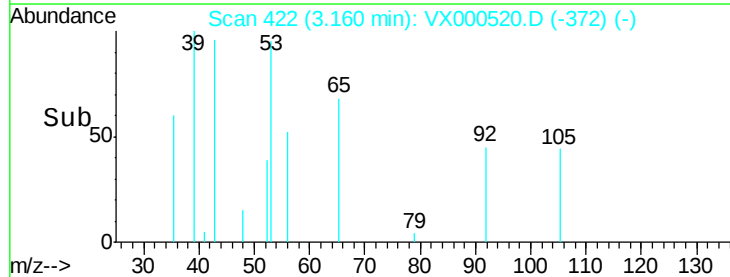
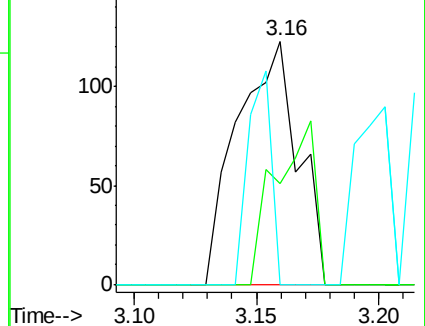
51 33.2 29.3 43.9

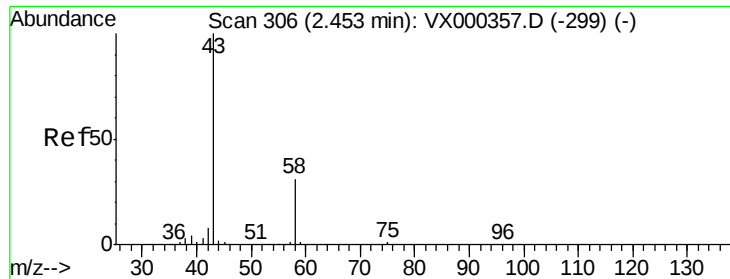


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampled :

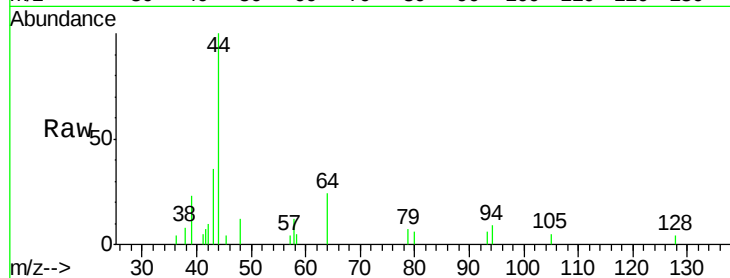
PZ-8

Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

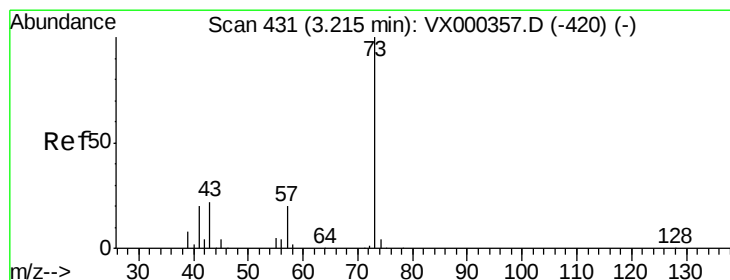
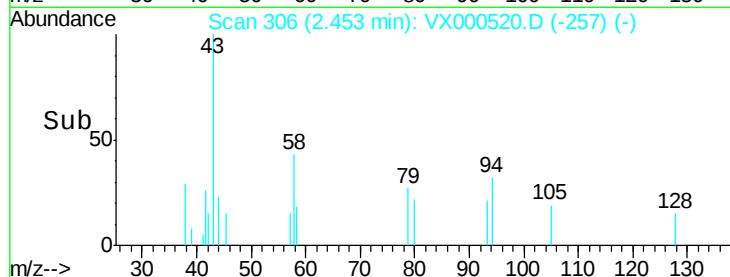
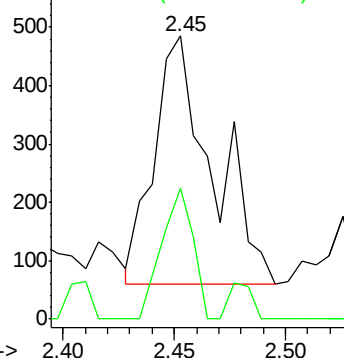
43 100

58 52.7 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.99 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000520.D

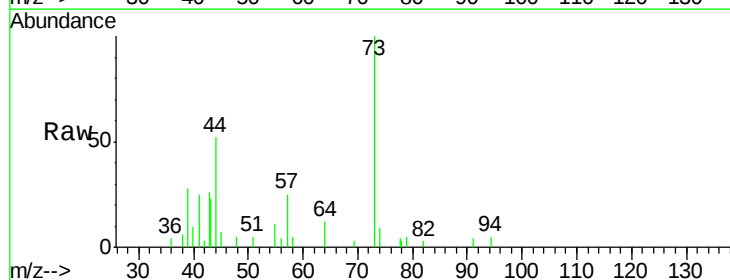
Acq: 29 Mar 2018 18:32

Tgt Ion: 73 Resp: 4645

Ion Ratio Lower Upper

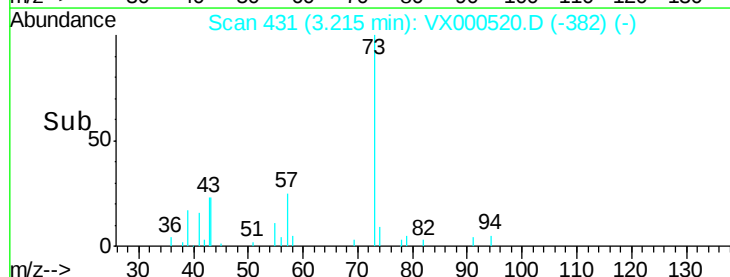
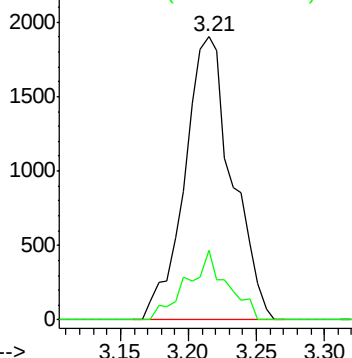
73 100

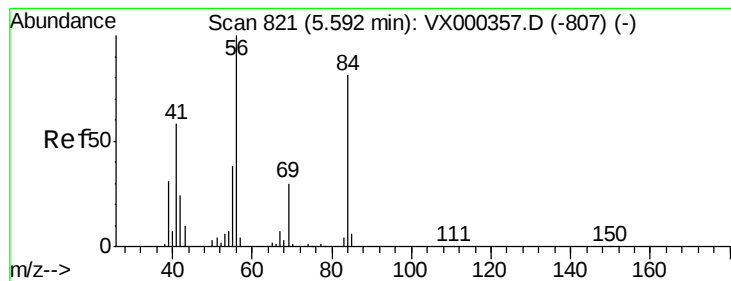
57 24.6 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#31

Cyclohexane

Concen: 1.36 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

PZ-8

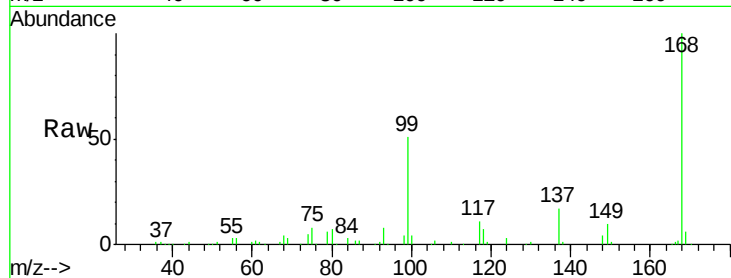
Tgt Ion: 56 Resp: 2616

Ion Ratio Lower Upper

56 100

69 131.2 23.4 35.0#

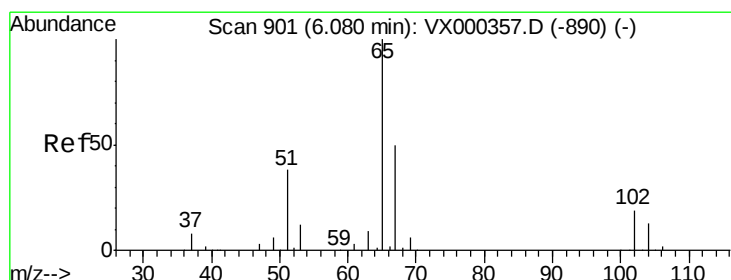
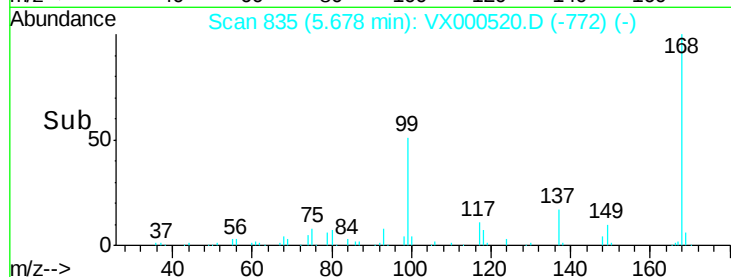
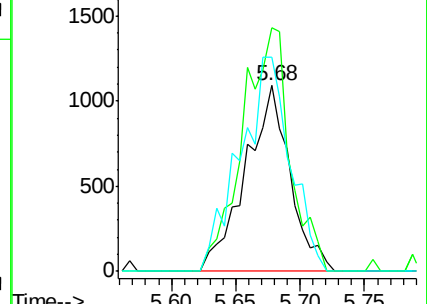
84 115.1 71.0 106.4#



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: 54.86 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000520.D

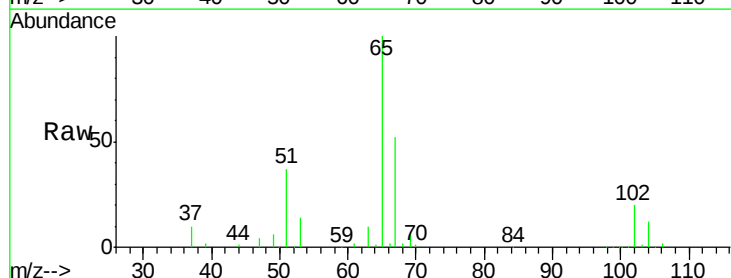
Acq: 29 Mar 2018 18:32

Tgt Ion: 65 Resp: 83624

Ion Ratio Lower Upper

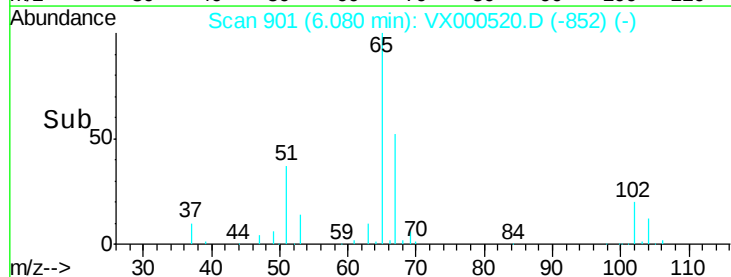
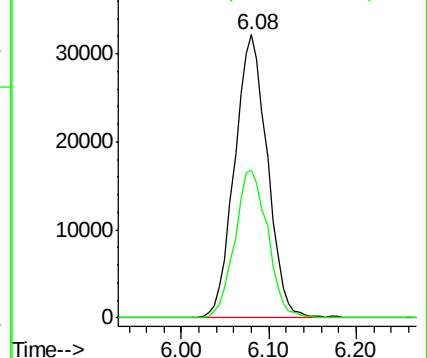
65 100

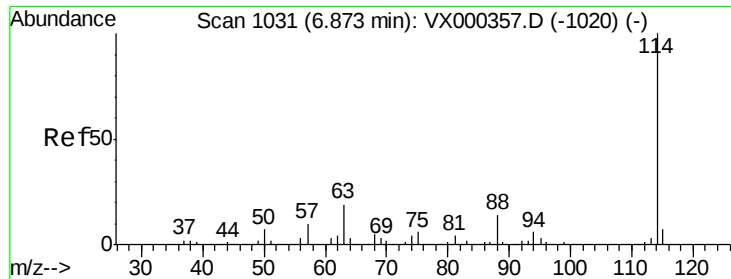
67 52.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

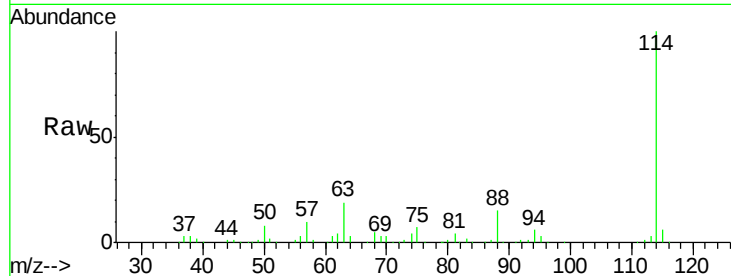




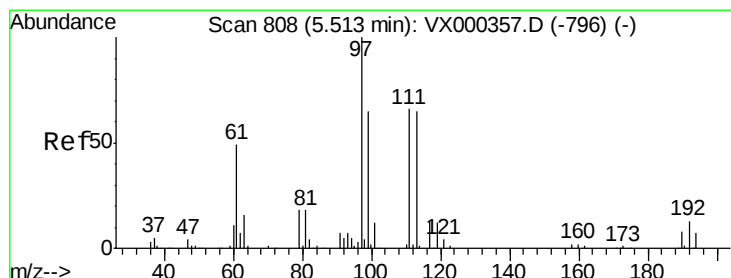
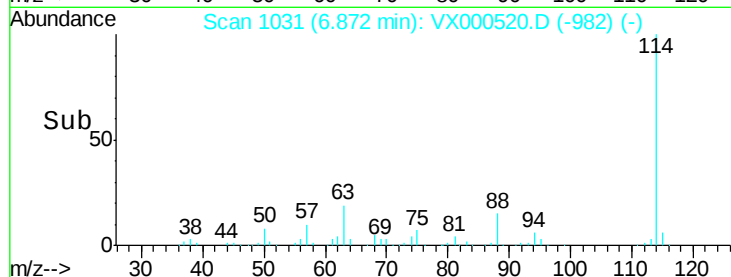
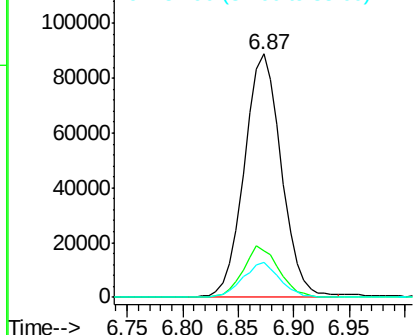
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000520.D
 Acq: 29 Mar 2018 18:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-8

Tgt Ion:114 Resp: 206400
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 14.6 0.0 27.0

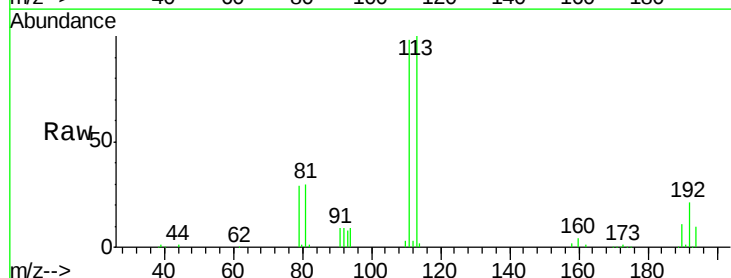


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

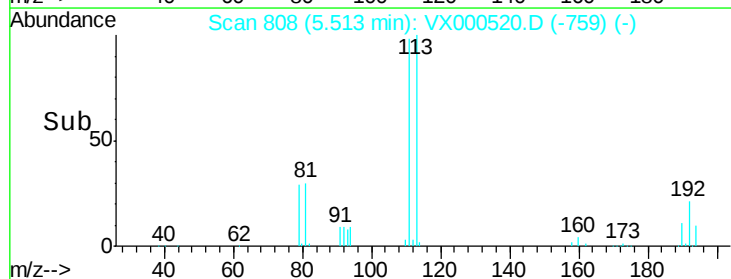
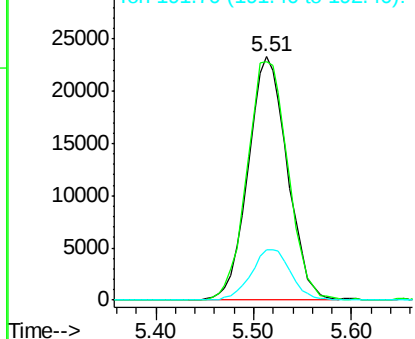


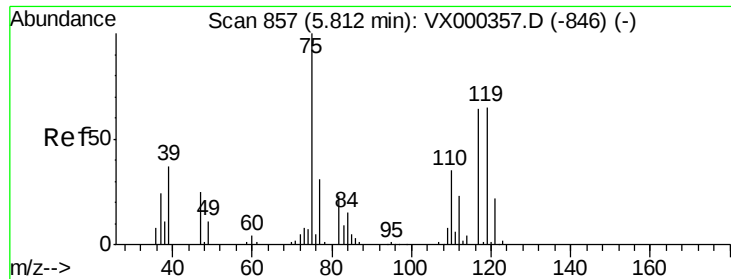
#35
 Dibromofluoromethane
 Concen: 49.86 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX000520.D
 Acq: 29 Mar 2018 18:32

Tgt Ion:113 Resp: 64842
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 21.1 15.8 23.6



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

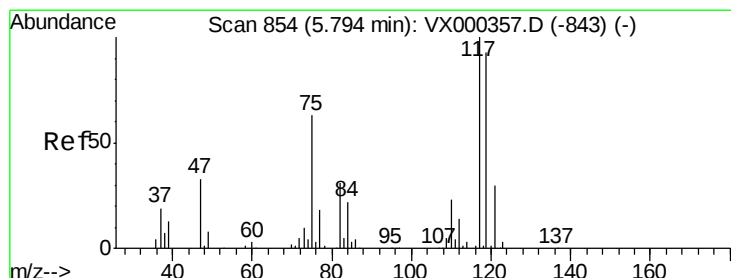
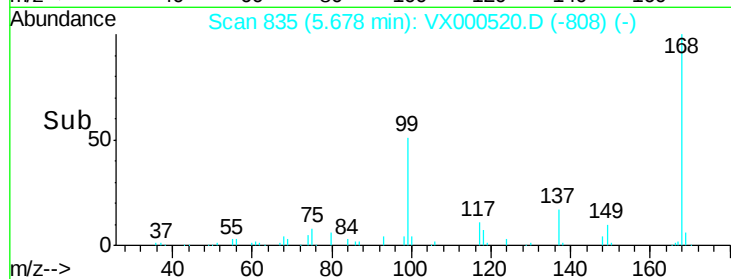
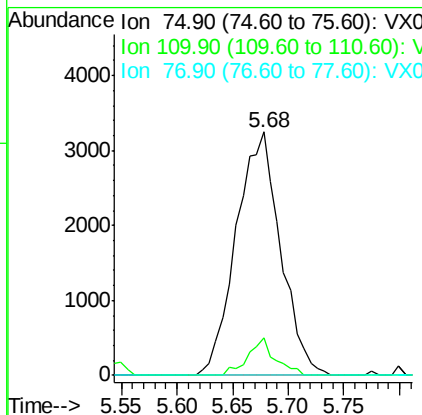
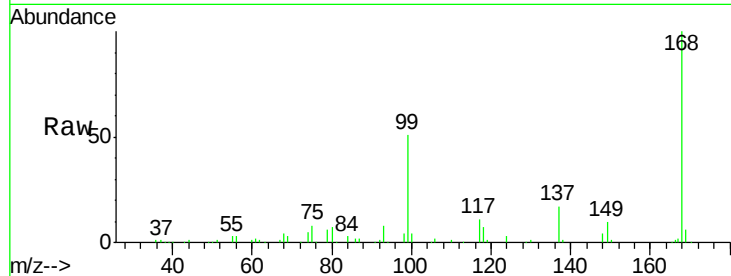




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000520.D
 Acq: 29 Mar 2018 18:32

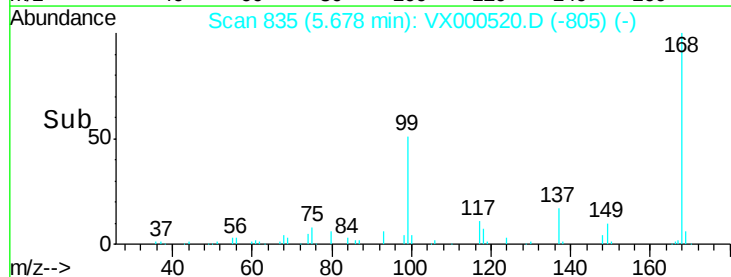
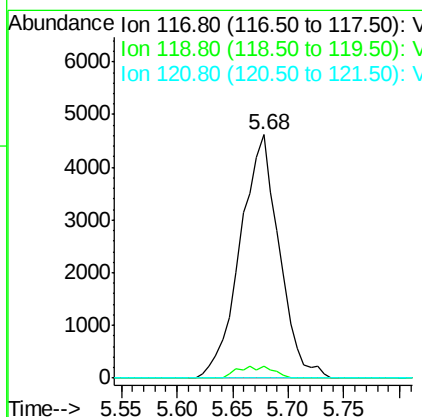
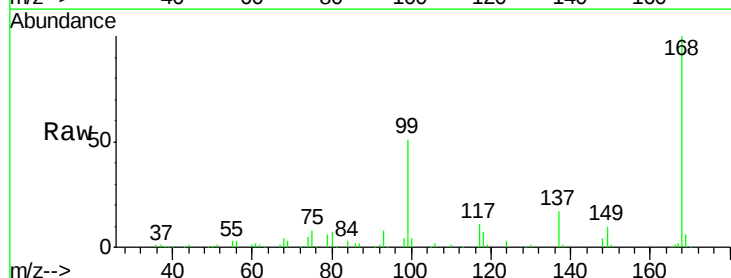
Instrument :
 MSVOA_X
 ClientSampleId :
 PZ-8

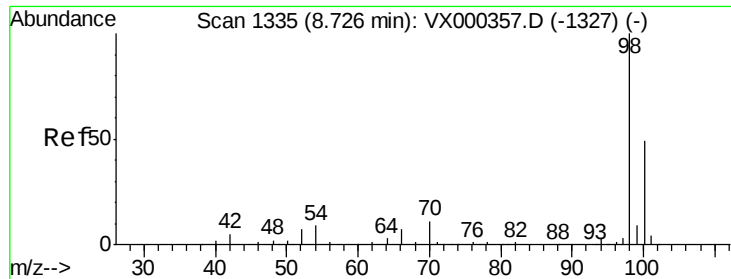
Tgt Ion: 75 Resp: 8988
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.55 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000520.D
 Acq: 29 Mar 2018 18:32

Tgt Ion: 117 Resp: 11248
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.4 116.2#
 121 0.0 24.8 37.2#

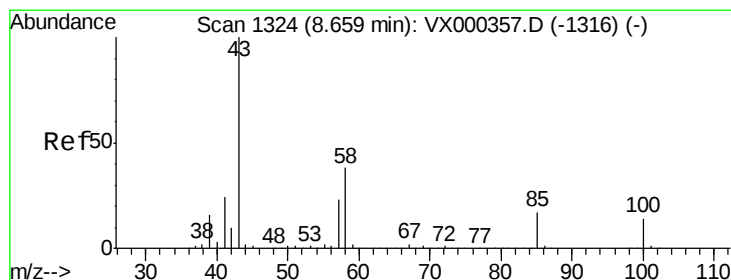
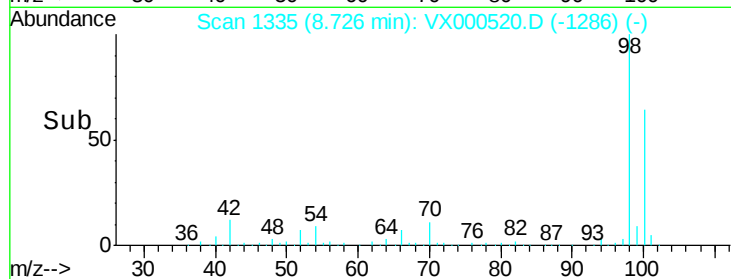
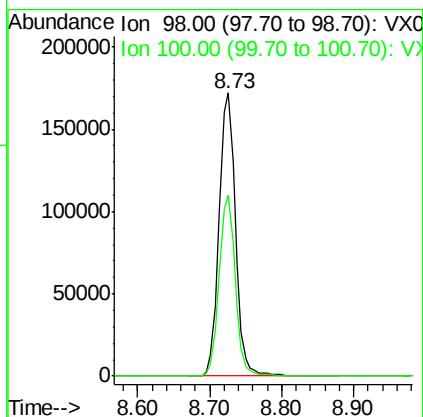
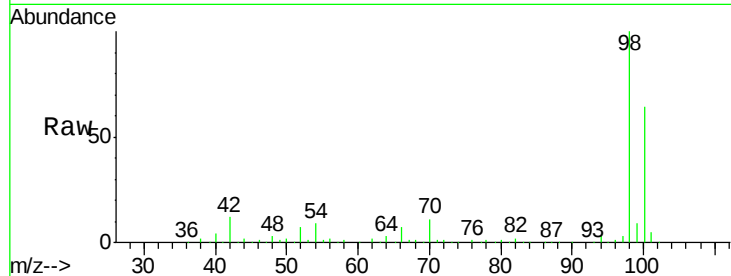




#50
Toluene-d8
Concen: 50.74 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000520.D
Acq: 29 Mar 2018 18:32

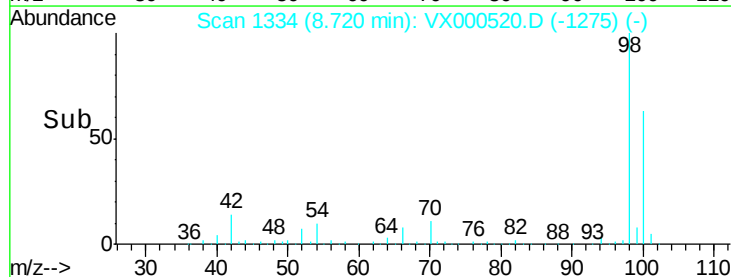
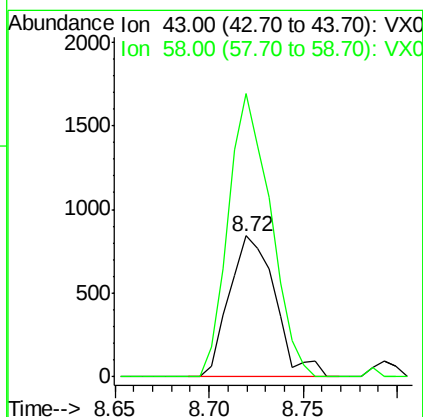
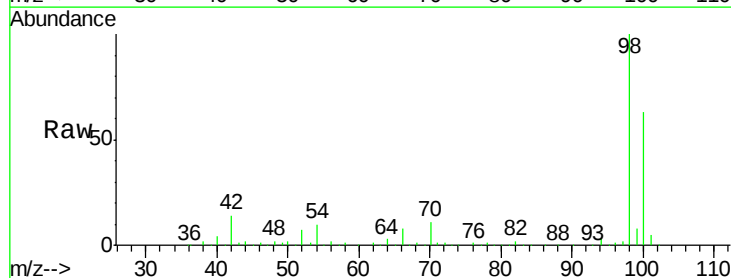
Instrument :
MSVOA_X
ClientSampleId :
PZ-8

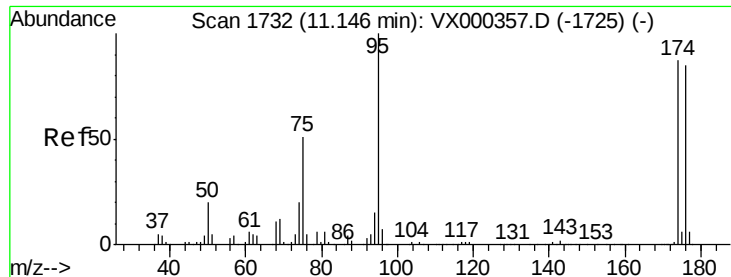
Tgt Ion: 98 Resp: 273320
Ion Ratio Lower Upper
98 100
100 62.6 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.47 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000520.D
Acq: 29 Mar 2018 18:32

Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 184.3 30.3 45.5#

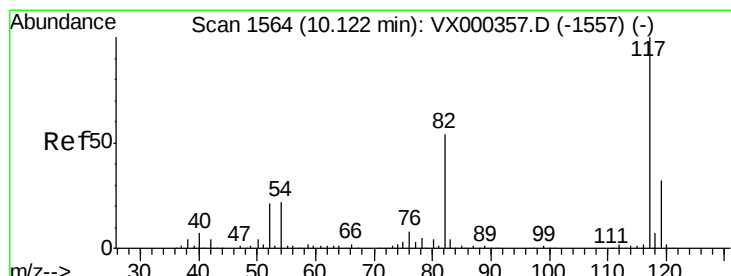
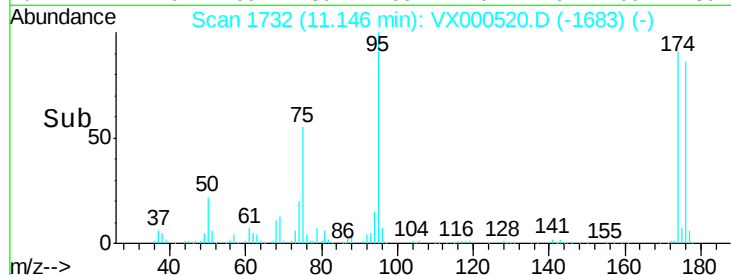
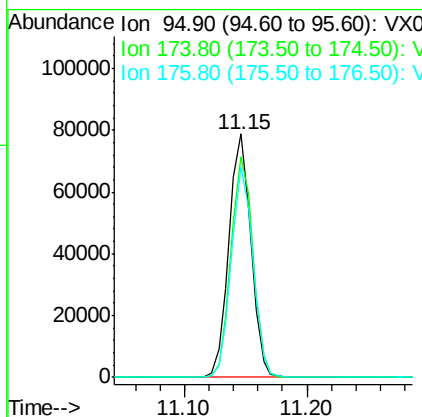
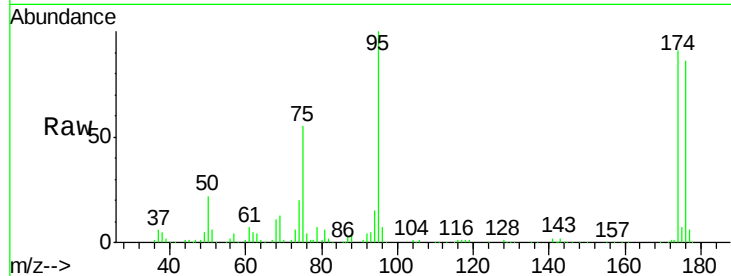




#62
4-Bromofluorobenzene
Concen: 43.71 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000520.D
Acq: 29 Mar 2018 18:32

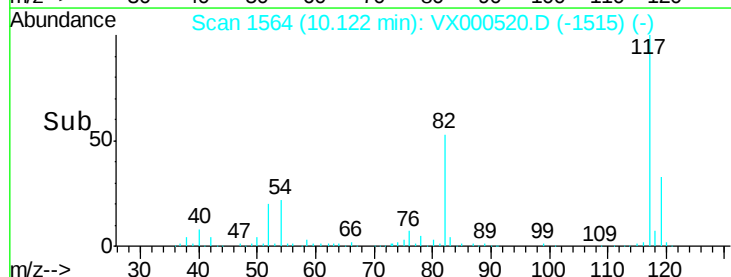
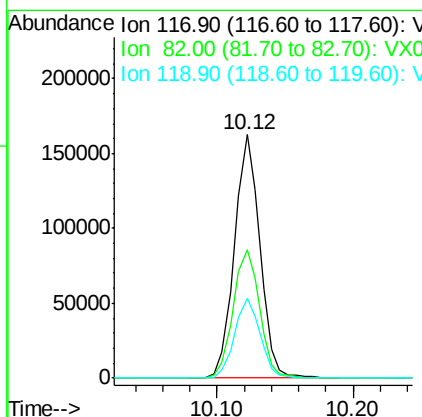
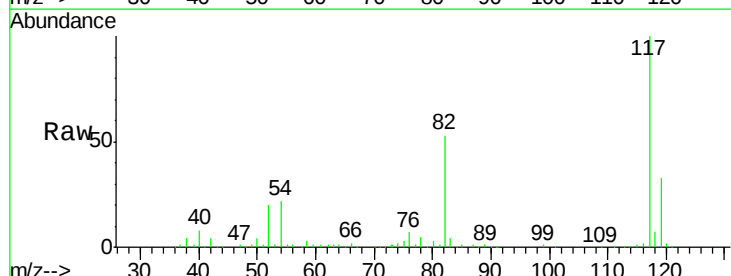
Instrument :
MSVOA_X
ClientSampled :
PZ-8

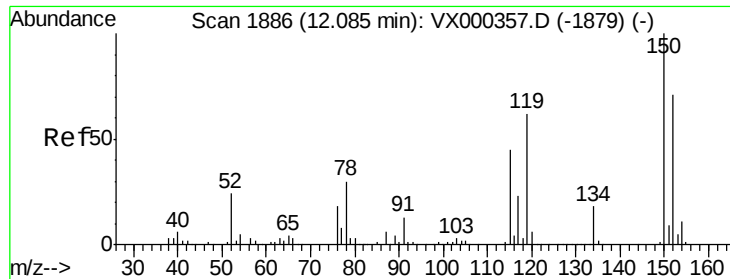
Tgt Ion: 95 Resp: 97467
Ion Ratio Lower Upper
95 100
174 90.2 0.0 173.6
176 85.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000520.D
Acq: 29 Mar 2018 18:32

Tgt Ion: 117 Resp: 211950
Ion Ratio Lower Upper
117 100
82 53.0 43.8 65.8
119 32.9 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

PZ-8

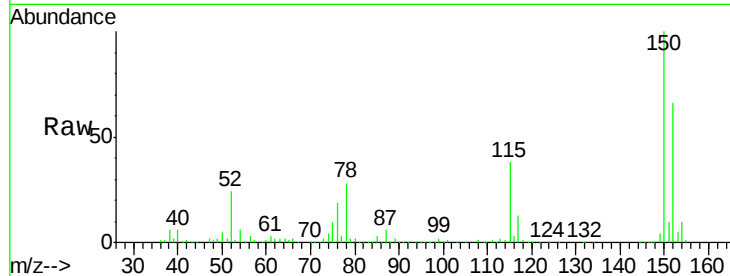
Tgt Ion:152 Resp: 112987

Ion Ratio Lower Upper

152 100

115 56.3 39.8 119.3

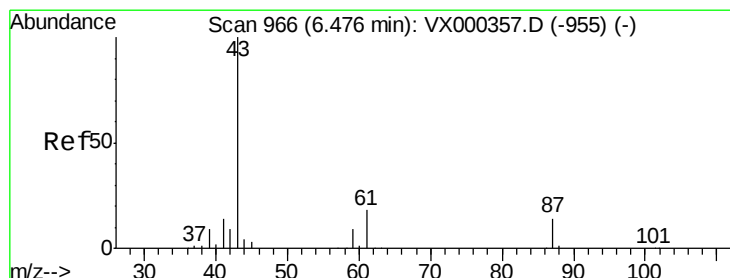
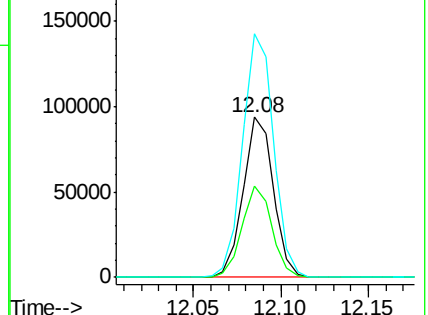
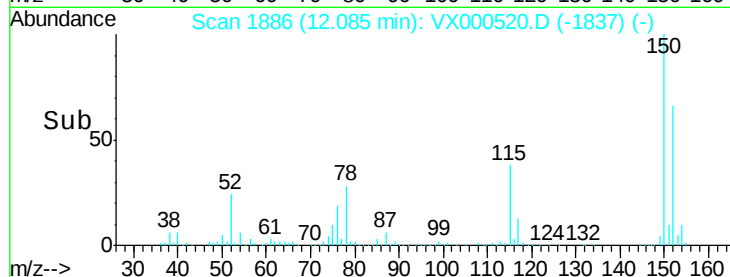
150 155.2 0.0 344.4



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: Below Cal

RT: 6.45 min Scan# 961

Delta R.T. -0.03 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Tgt Ion: 43 Resp: 18

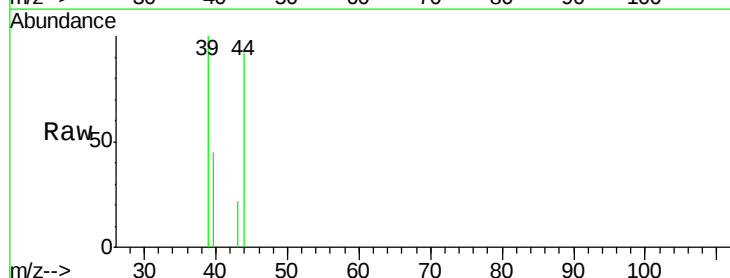
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

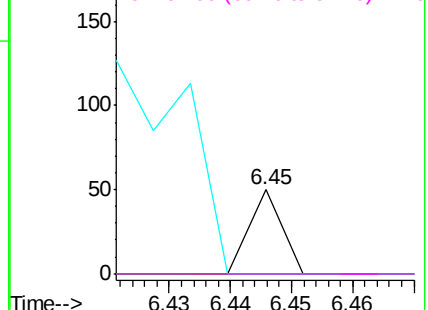
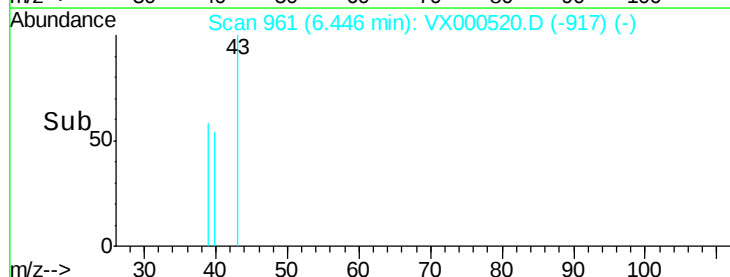


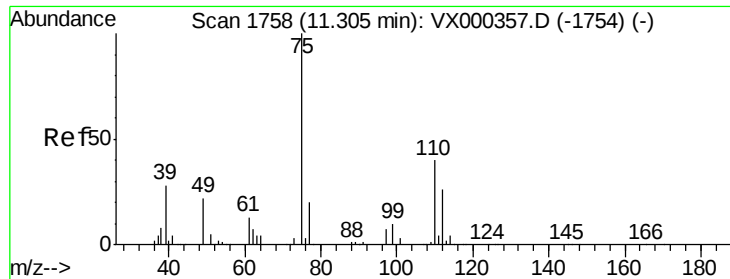
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.45 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

Instrument :

MSVOA_X

ClientSampleId :

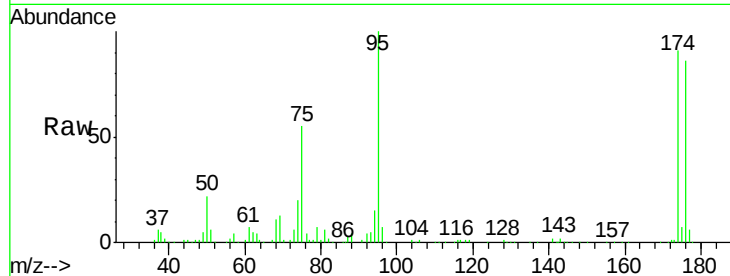
PZ-8

Tgt Ion: 75 Resp: 54523

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

40000

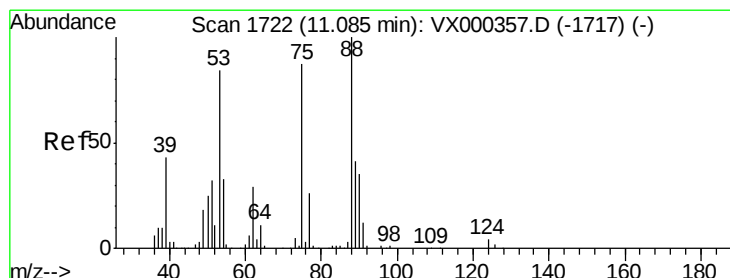
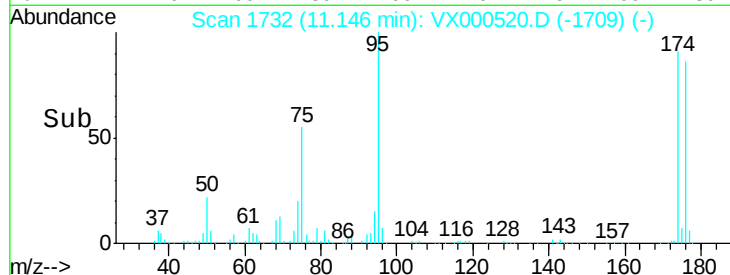
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.70 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000520.D

Acq: 29 Mar 2018 18:32

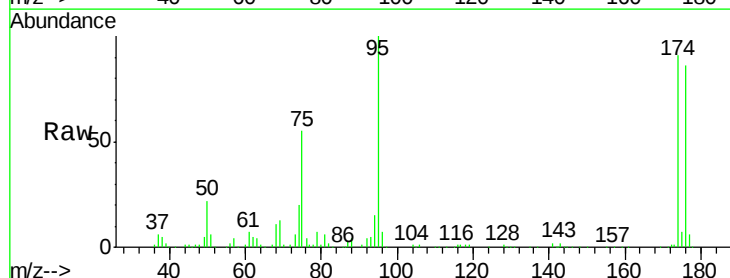
Tgt Ion: 75 Resp: 54523

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

11.15

60000

50000

40000

30000

20000

10000

0

Time-->

