

Data File : VX000428.D

Acq On : 23 Mar 2018 14:45

Operator : JC/MD

Sample : J1748-08 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-A

Quant Time: Mar 24 05:55:00 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	108121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	83465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	79127	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	5.52	113	61795	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.73	98	236770	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.15	95	75801	37.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.28%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	311	0.24	ug/l	# 68
6) Chloroethane	1.74	64	130	Below	Cal	# 44
10) Methyl Iodide	2.52	142	47	4.31	ug/l	# 1
11) Tert butyl alcohol	3.07	59	206	0.42	ug/l	# 70
13) Acrolein	2.30	56	135	15.40	ug/l	# 62
16) Acetone	2.46	43	2293	1.95	ug/l	# 80
20) Methylene Chloride	2.86	84	2539	1.87	ug/l	# 88
25) 2-Butanone	4.73	43	394	0.30	ug/l	# 49
29) Tetrahydrofuran	5.18	42	221	0.27	ug/l	# 31
31) Cyclohexane	5.67	56	2330	1.31	ug/l	# 1
36) 1,1-Dichloropropene	5.68	75	8587	4.79	ug/l	# 48
38) Carbon Tetrachloride	5.68	117	11599	6.16	ug/l	# 14
43) Isopropyl Acetate	6.48	43	1527	0.42	ug/l	# 94
74) N-amyl acetate	6.48	43	1527	Below	Cal	# 93
76) 1,2,3-Trichloropropane	11.15	75	44633	24.88	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	44633	80.56	ug/l	# 9
95) Naphthalene	13.84	128	16863	2.47	ug/l	# 97

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

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ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-A

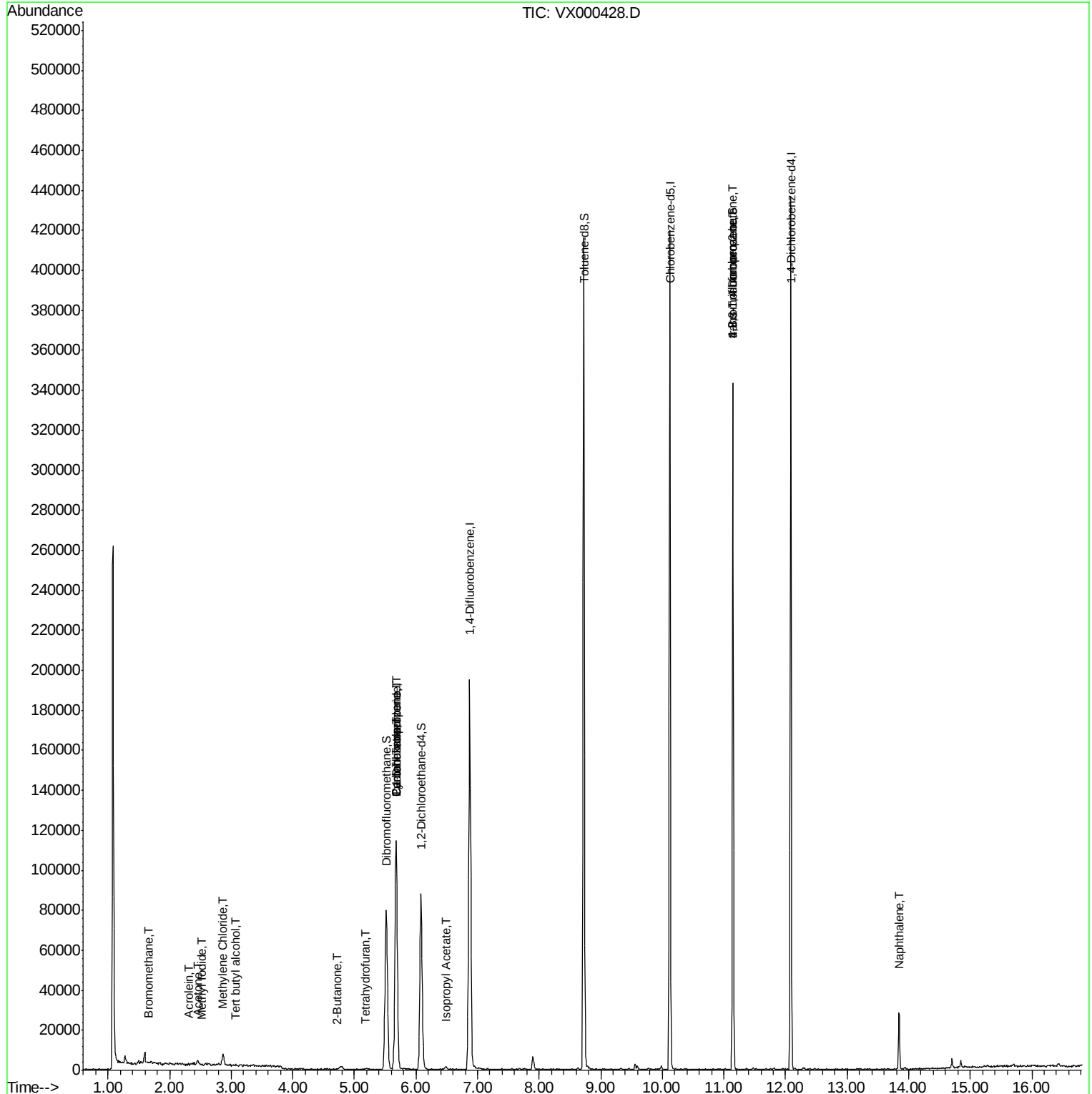
Quant Time: Mar 24 05:55:00 2018

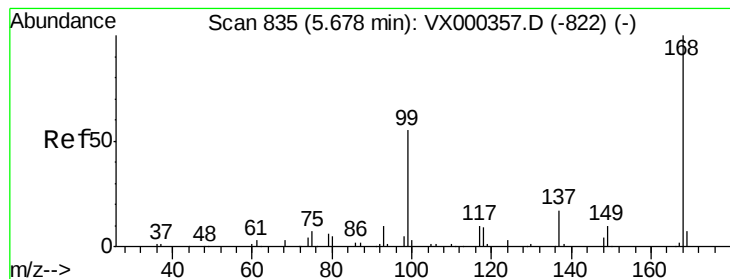
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

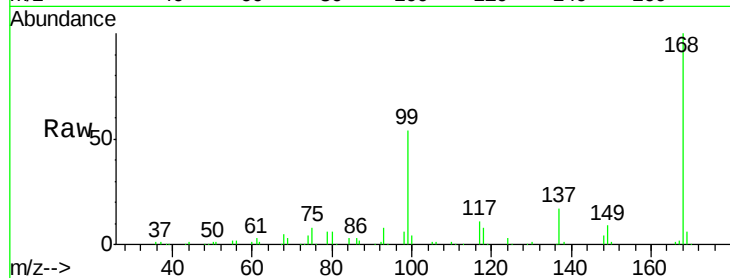
AU-05-032218-A

Tgt Ion:168 Resp: 108121

Ion Ratio Lower Upper

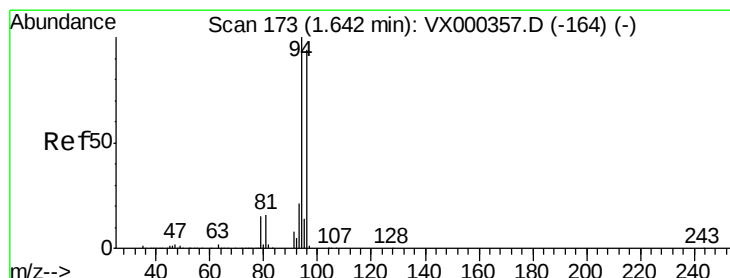
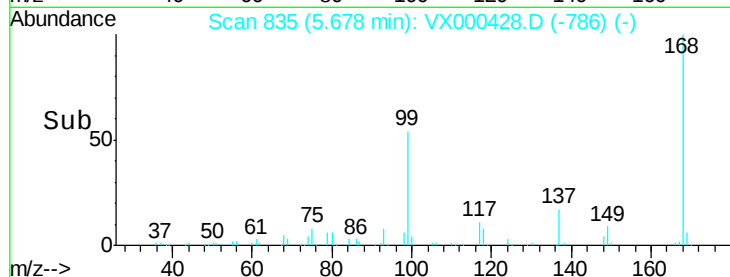
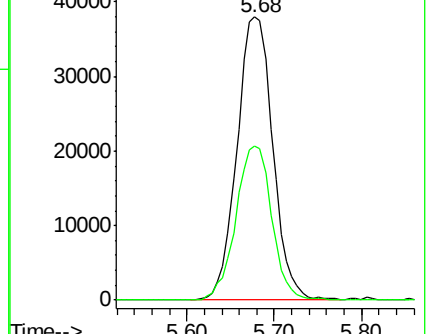
168 100

99 54.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.24 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000428.D

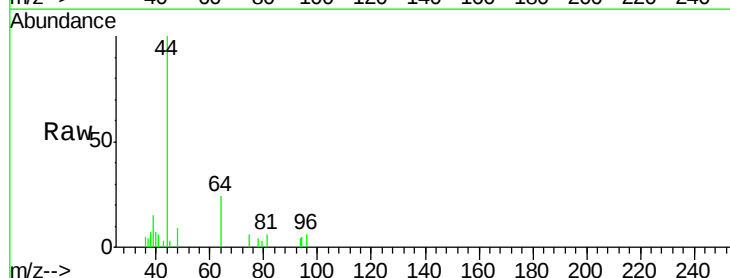
Acq: 23 Mar 2018 14:45

Tgt Ion: 94 Resp: 311

Ion Ratio Lower Upper

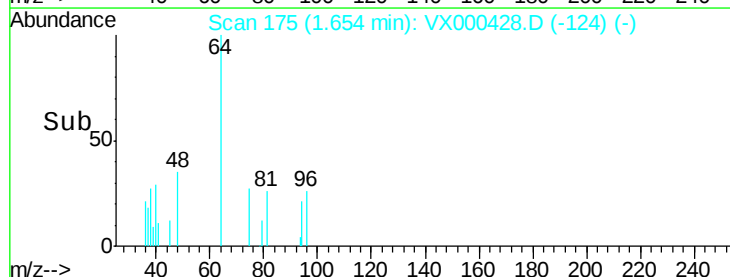
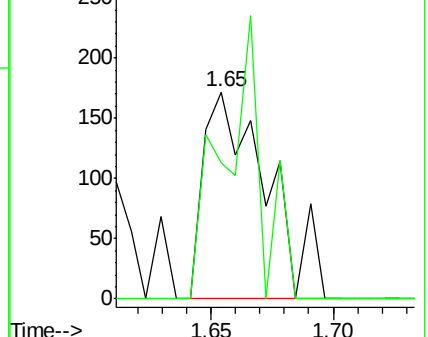
94 100

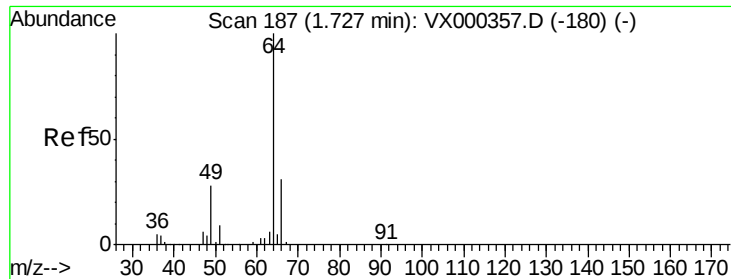
96 65.7 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

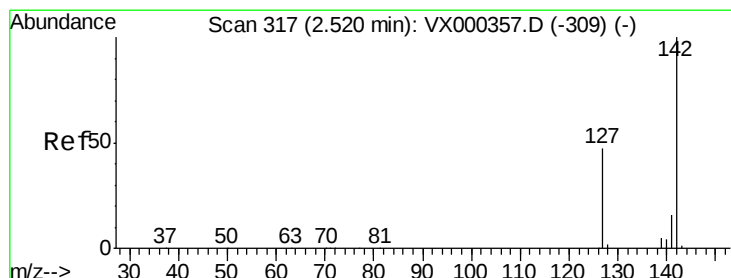
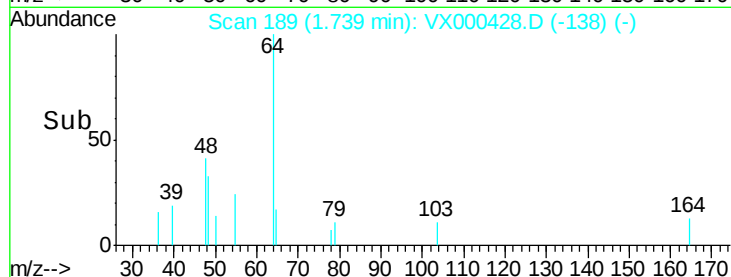
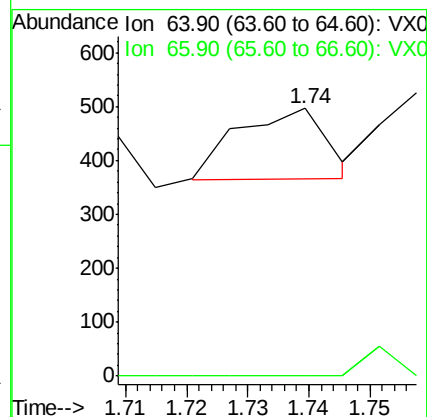
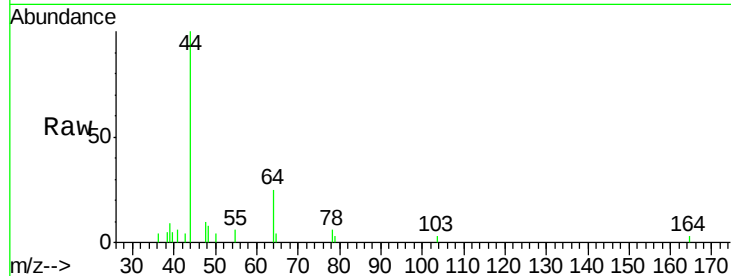
AU-05-032218-A

Tgt Ion: 64 Resp: 130

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



#10

Methyl Iodide

Concen: 4.31 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

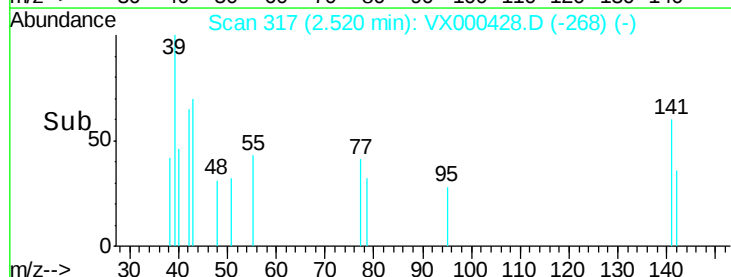
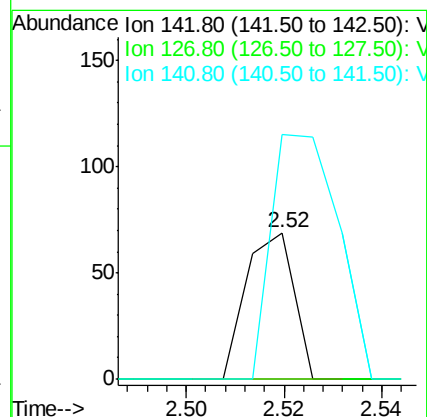
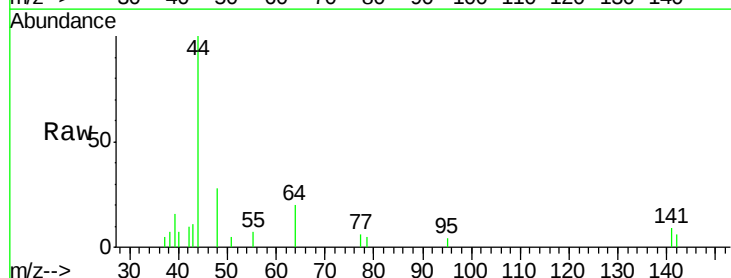
Tgt Ion: 142 Resp: 47

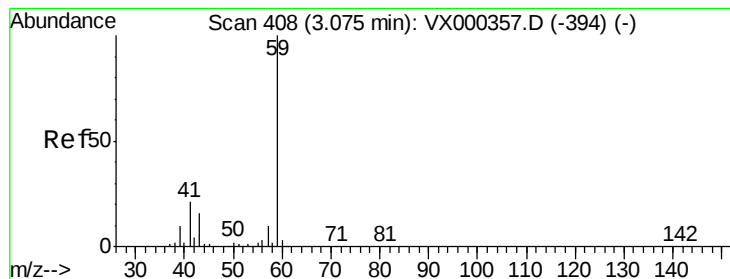
Ion Ratio Lower Upper

142 100

127 0.0 39.2 58.8#

141 231.9 11.7 17.5#





#11

Tert butyl alcohol

Concen: 0.42 ug/l

RT: 3.07 min Scan# 408

Delta R.T. -0.00 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

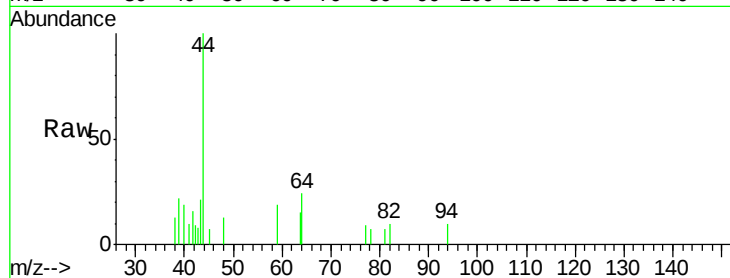
AU-05-032218-A

Tgt Ion: 59 Resp: 206

Ion Ratio Lower Upper

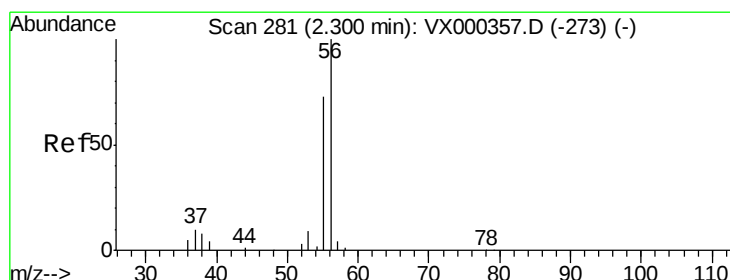
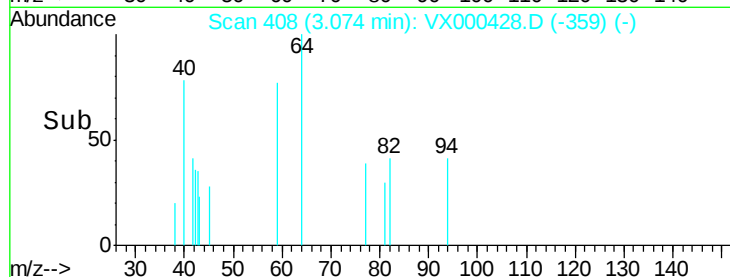
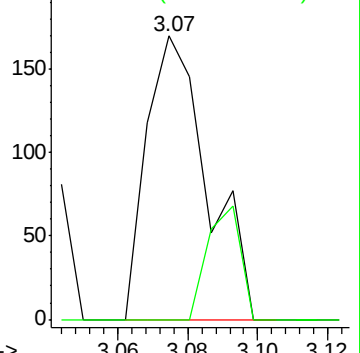
59 100

57 21.8 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 15.40 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX000428.D

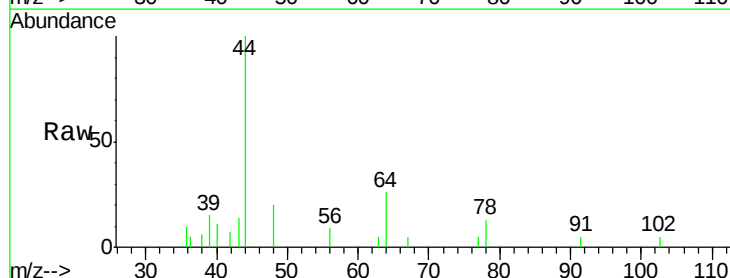
Acq: 23 Mar 2018 14:45

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

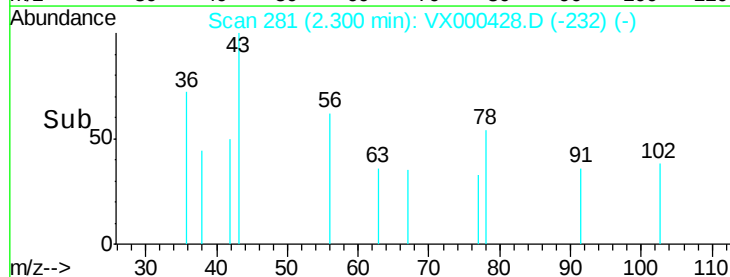
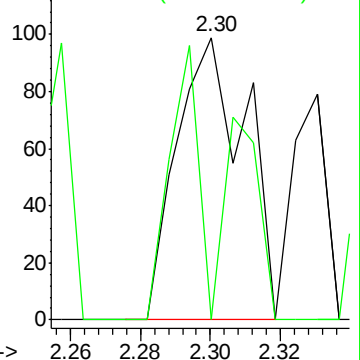
56 100

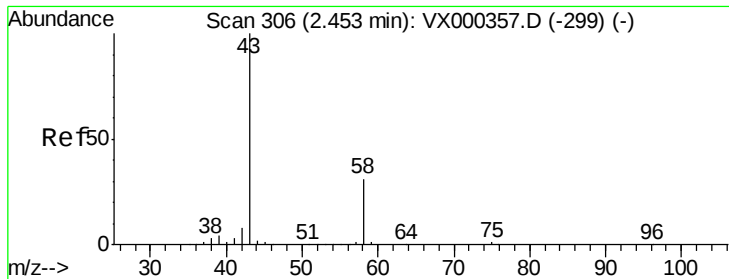
55 41.5 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.95 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

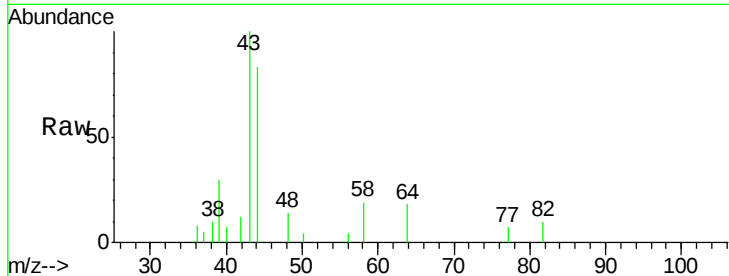
AU-05-032218-A

Tgt Ion: 43 Resp: 2293

Ion Ratio Lower Upper

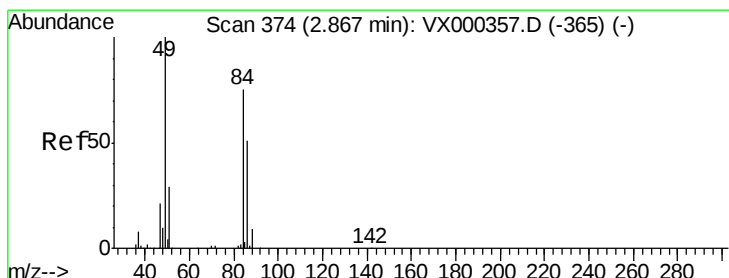
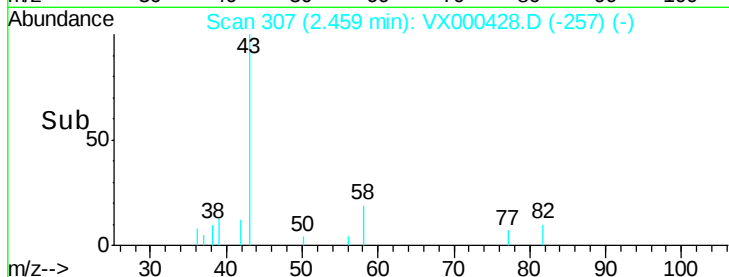
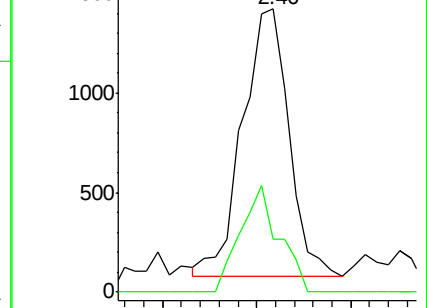
43 100

58 19.8 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 1.87 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Tgt Ion: 84 Resp: 2539

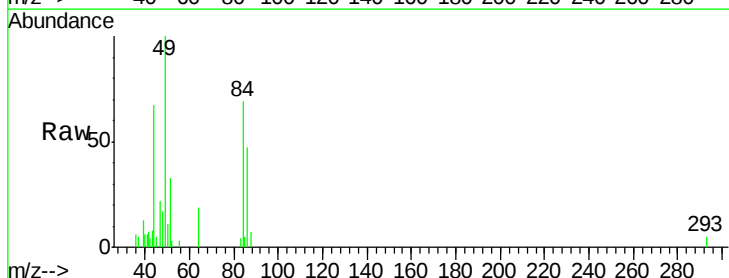
Ion Ratio Lower Upper

84 100

49 144.2 100.6 151.0

51 46.9 31.6 47.4

86 68.4 52.6 78.8

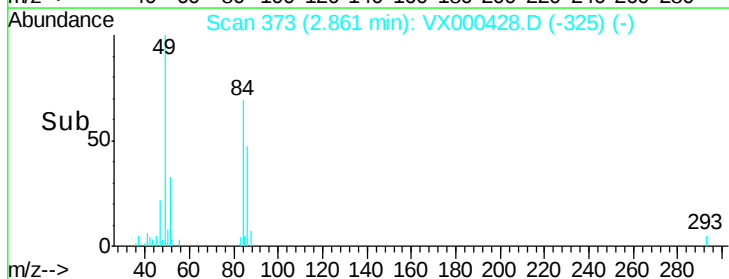
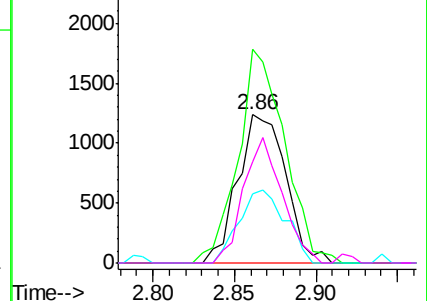


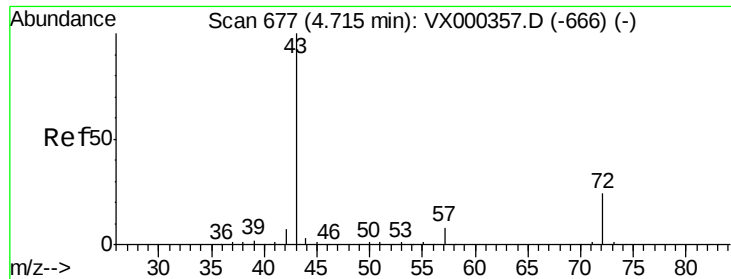
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.30 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

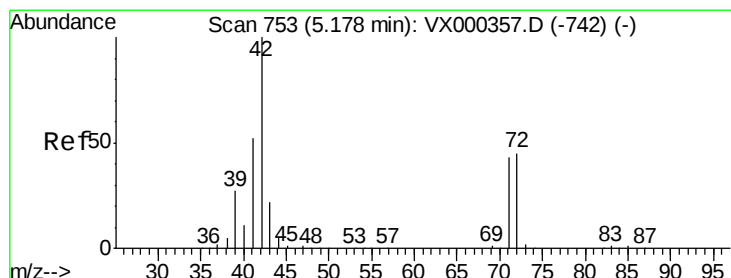
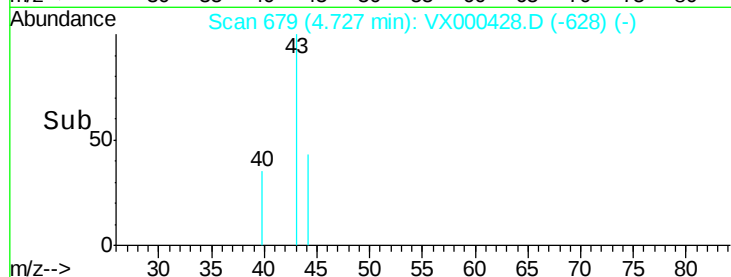
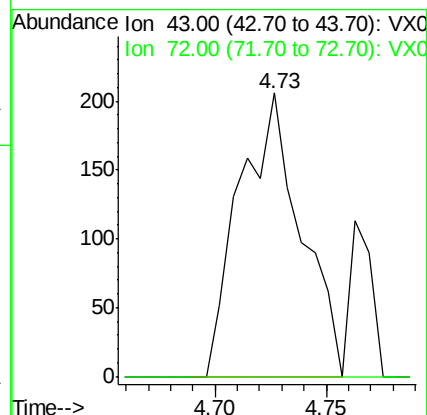
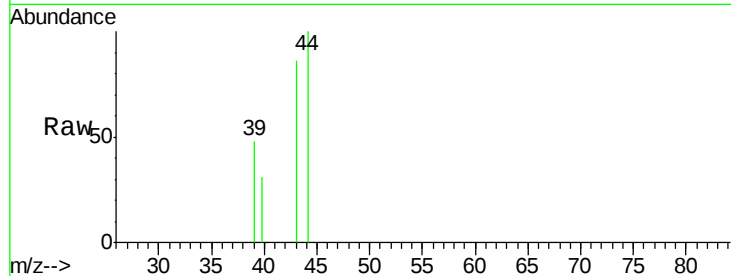
AU-05-032218-A

Tgt Ion: 43 Resp: 394

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

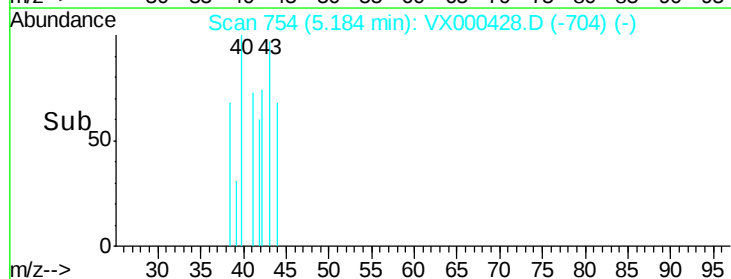
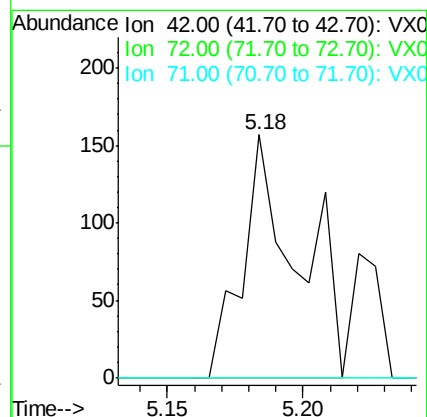
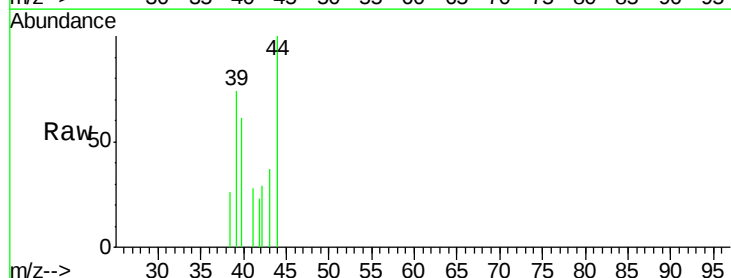
Tgt Ion: 42 Resp: 221

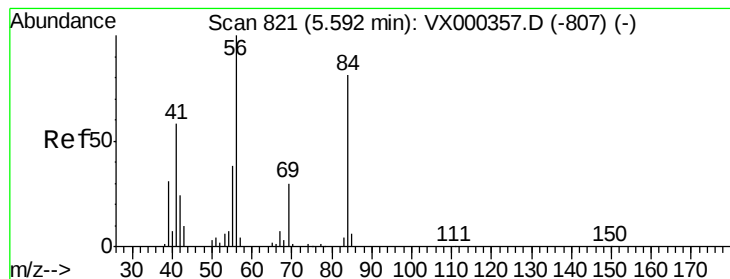
Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

71 0.0 34.4 51.6#





#31

Cyclohexane

Concen: 1.31 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

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AU-05-032218-A

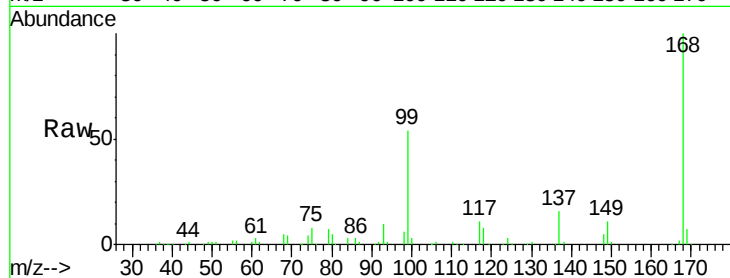
Tgt Ion: 56 Resp: 2330

Ion Ratio Lower Upper

56 100

69 178.7 23.4 35.0#

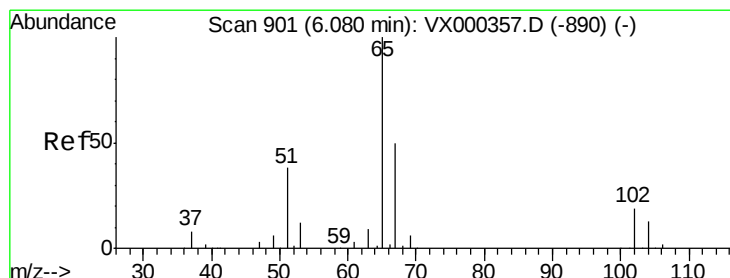
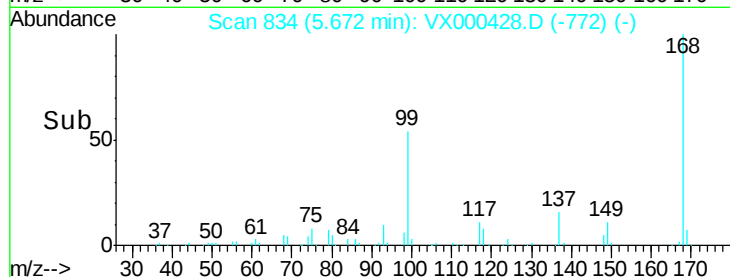
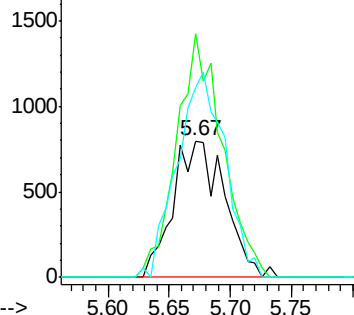
84 139.6 71.0 106.4#



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: 56.06 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000428.D

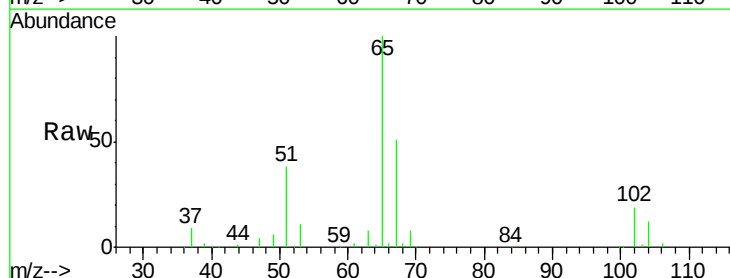
Acq: 23 Mar 2018 14:45

Tgt Ion: 65 Resp: 79127

Ion Ratio Lower Upper

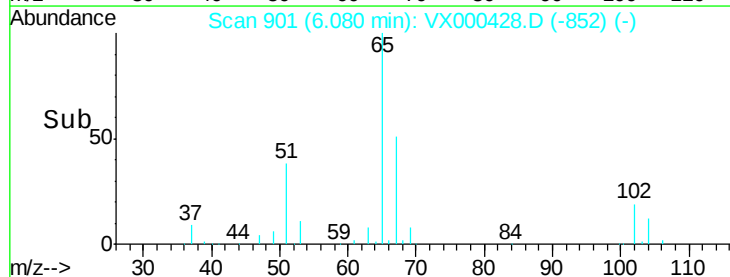
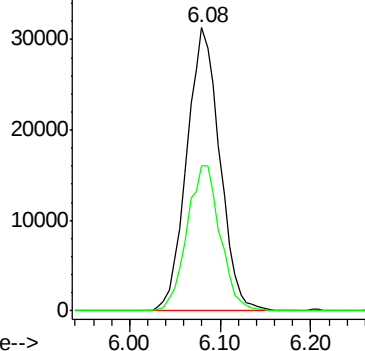
65 100

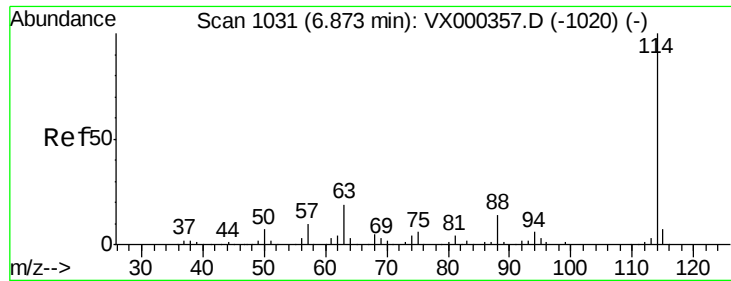
67 51.7 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

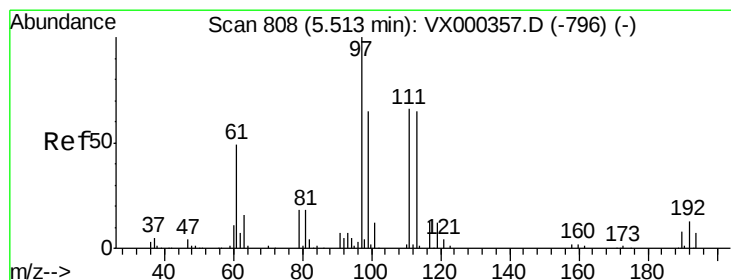
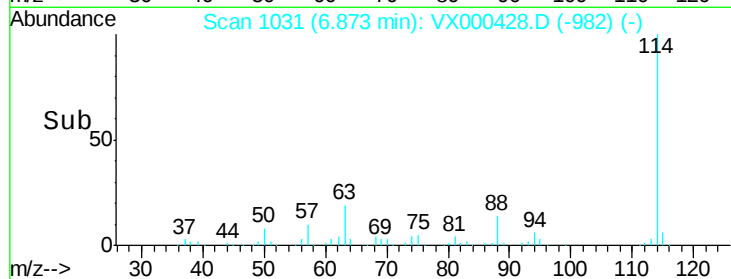
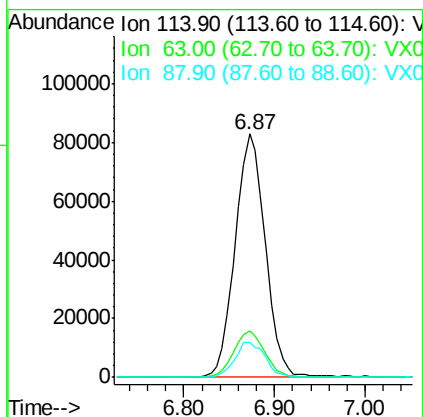
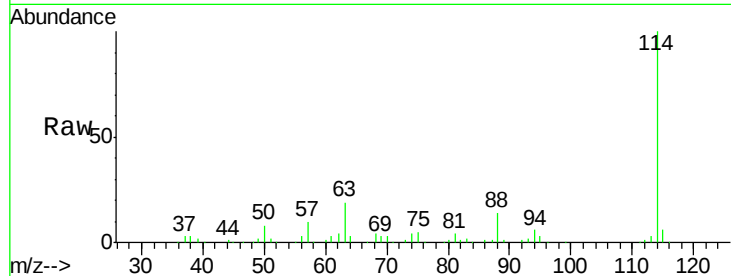




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000428.D
 Acq: 23 Mar 2018 14:45

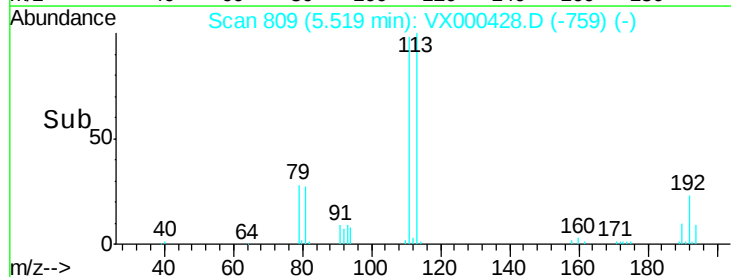
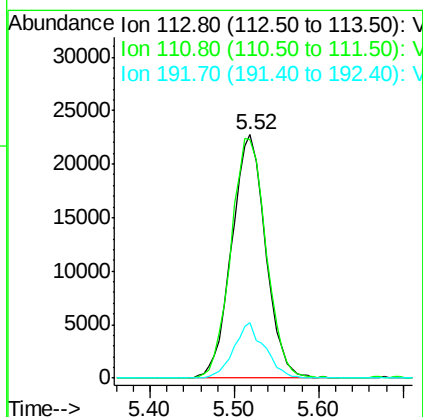
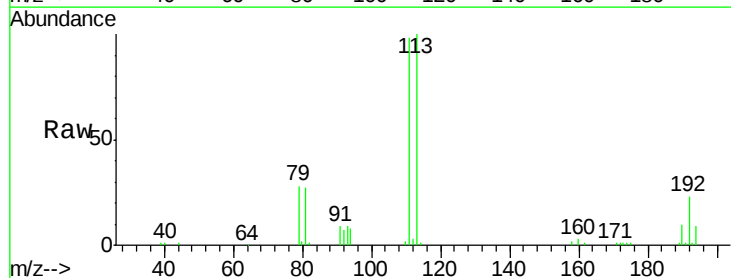
Instrument :
 MSVOA_X
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 AU-05-032218-A

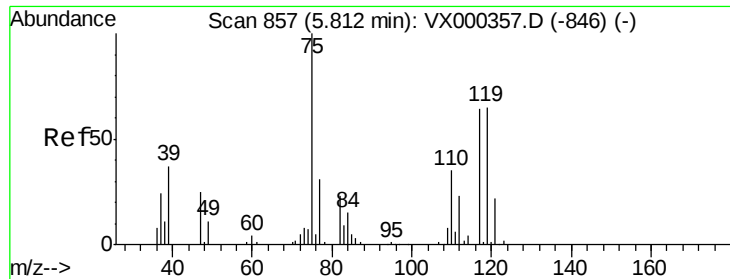
Tgt Ion:114 Resp: 191490
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.4
 88 14.5 0.0 27.0



#35
 Dibromofluoromethane
 Concen: 51.22 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000428.D
 Acq: 23 Mar 2018 14:45

Tgt Ion:113 Resp: 61795
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.4 123.6
 192 20.8 15.8 23.6





#36

1,1-Dichloropropene

Concen: 4.79 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-A

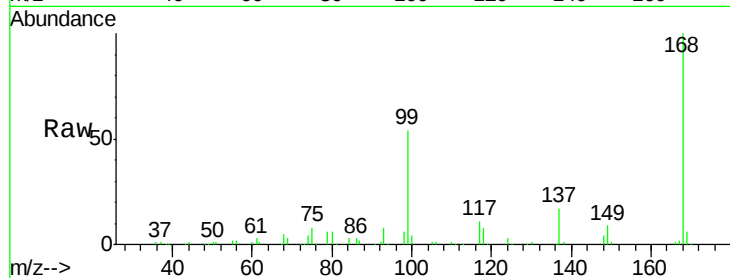
Tgt Ion: 75 Resp: 8587

Ion Ratio Lower Upper

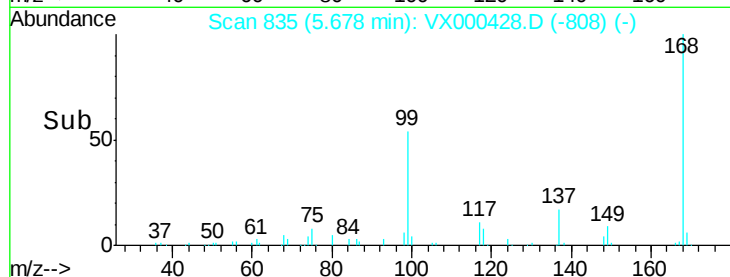
75 100

110 6.5 17.9 53.7#

77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX000428.D (-808) (-)

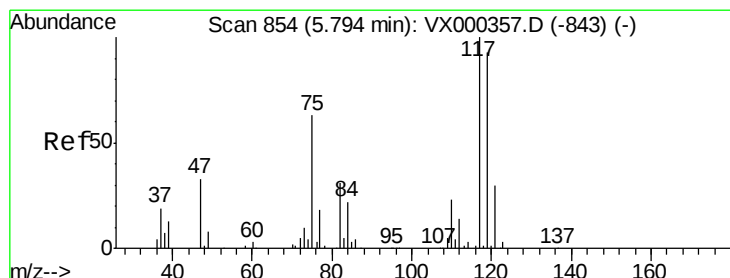


Ion 109.90 (109.60 to 110.60): VX000428.D (-808) (-)

Ion 76.90 (76.60 to 77.60): VX000428.D (-808) (-)

Time-->

5.55 5.60 5.65 5.70 5.75



#38

Carbon Tetrachloride

Concen: 6.16 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

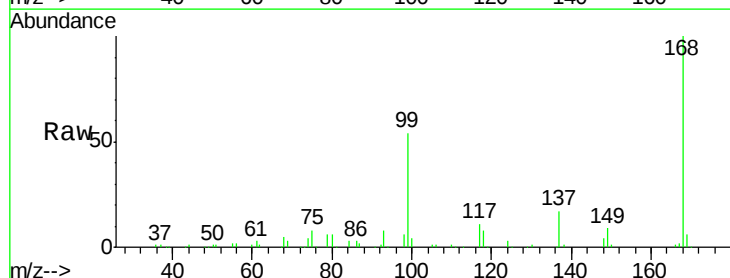
Tgt Ion: 117 Resp: 11599

Ion Ratio Lower Upper

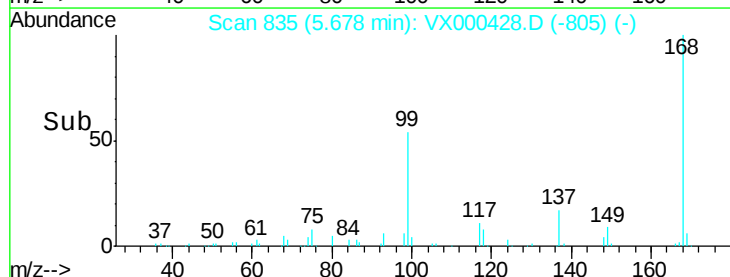
117 100

119 3.4 77.4 116.2#

121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): VX000428.D (-805) (-)

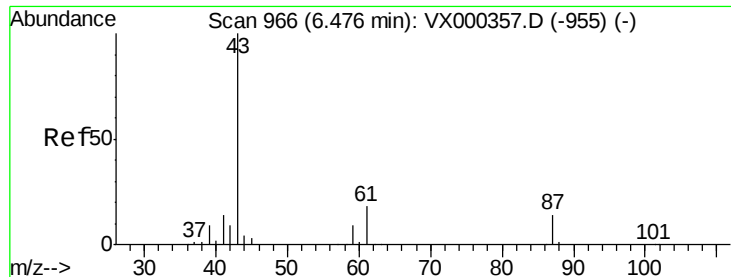


Ion 118.80 (118.50 to 119.50): VX000428.D (-805) (-)

Ion 120.80 (120.50 to 121.50): VX000428.D (-805) (-)

Time-->

5.60 5.65 5.70 5.75



#43

Isopropyl Acetate

Concen: 0.42 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-A

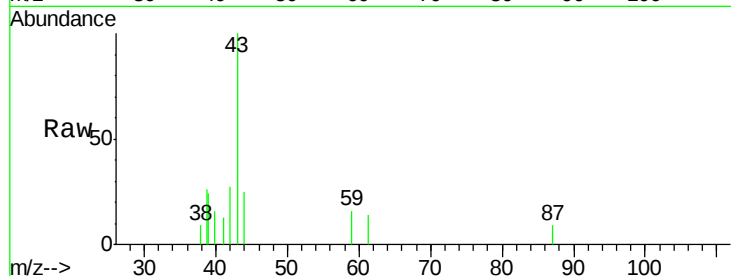
Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

61 21.3 14.4 21.6

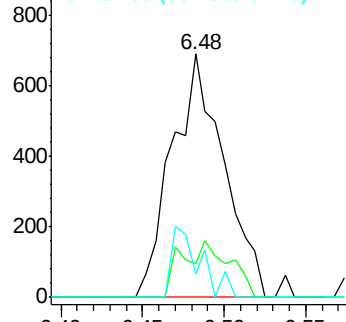
87 15.7 11.0 16.4



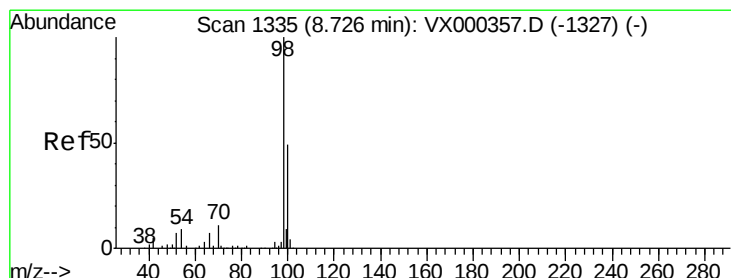
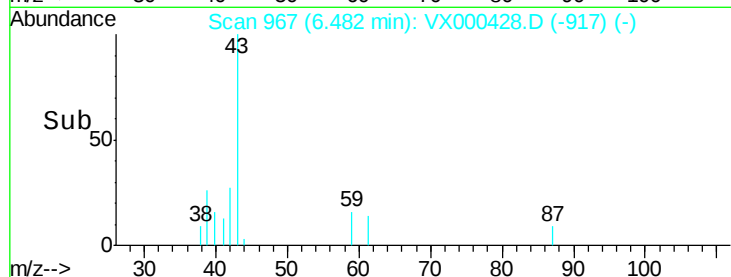
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



Time--> 6.40 6.45 6.50 6.55



#50

Toluene-d8

Concen: 47.38 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000428.D

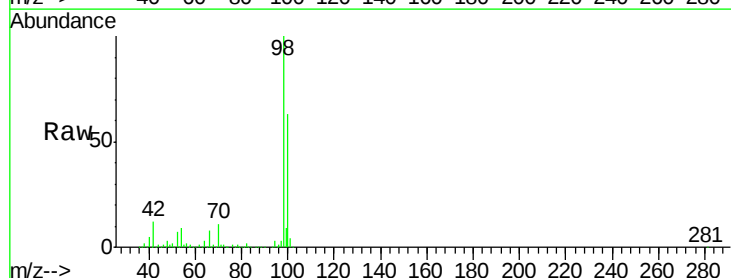
Acq: 23 Mar 2018 14:45

Tgt Ion: 98 Resp: 236770

Ion Ratio Lower Upper

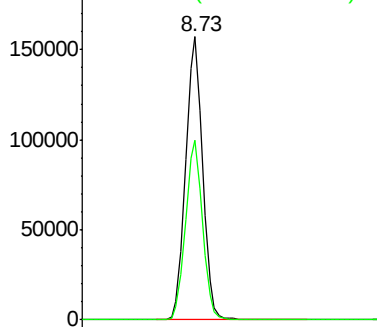
98 100

100 63.2 51.2 76.8

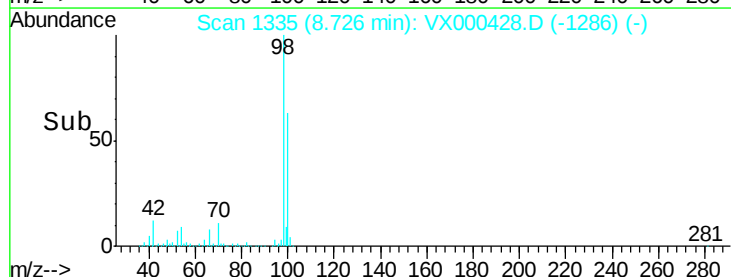


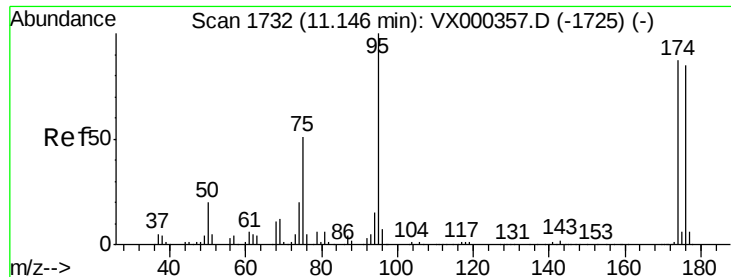
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80 8.90

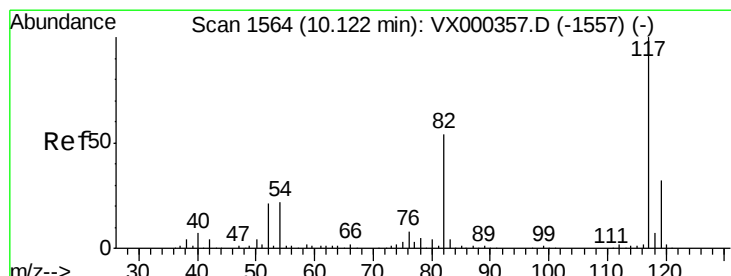
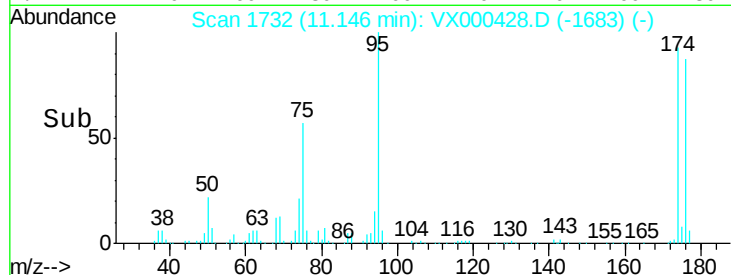
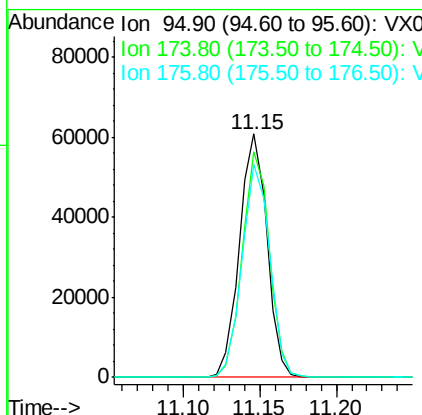
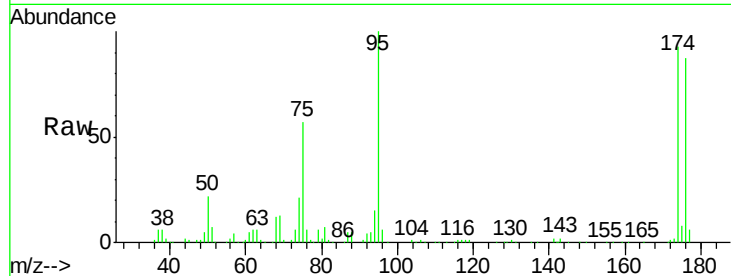




#62
4-Bromofluorobenzene
Concen: 37.64 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000428.D
Acq: 23 Mar 2018 14:45

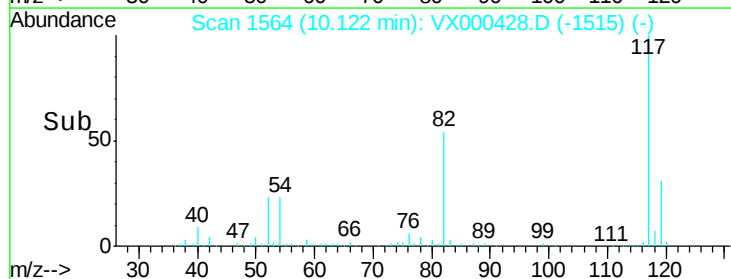
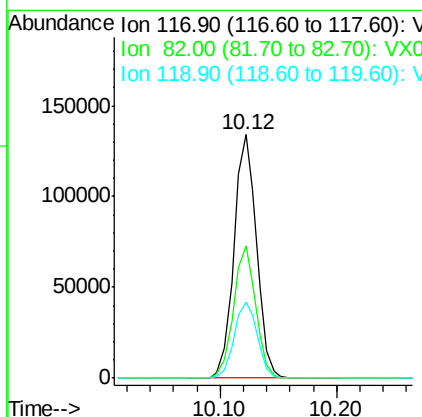
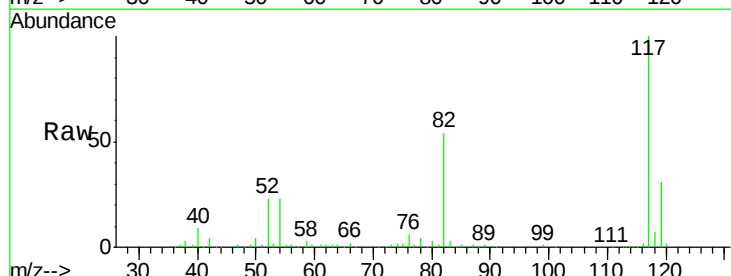
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-A

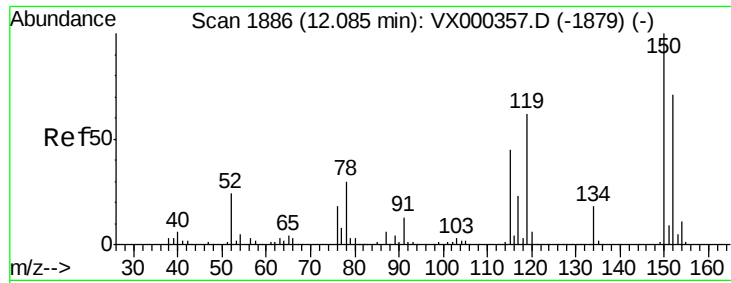
Tgt Ion: 95 Resp: 75801
Ion Ratio Lower Upper
95 100
174 92.0 0.0 173.6
176 88.1 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000428.D
Acq: 23 Mar 2018 14:45

Tgt Ion: 117 Resp: 180250
Ion Ratio Lower Upper
117 100
82 54.4 43.8 65.8
119 30.9 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-A

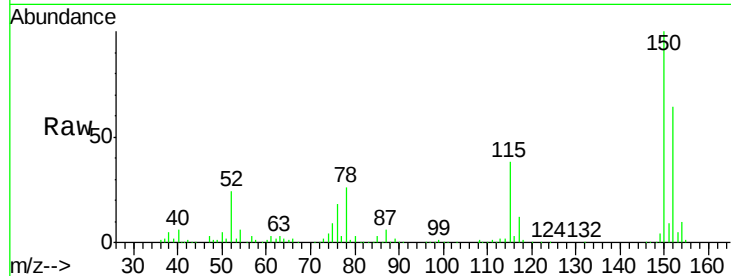
Tgt Ion:152 Resp: 83465

Ion Ratio Lower Upper

152 100

115 55.1 39.8 119.3

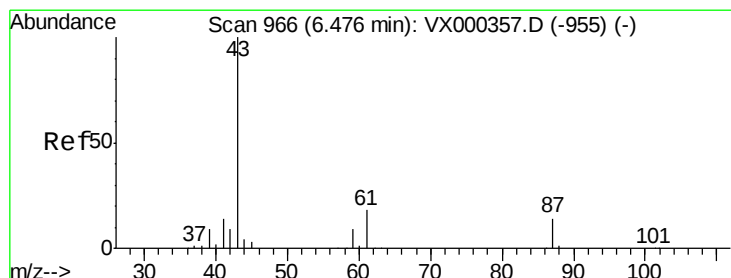
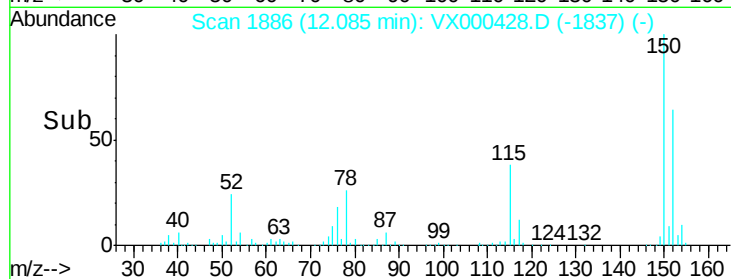
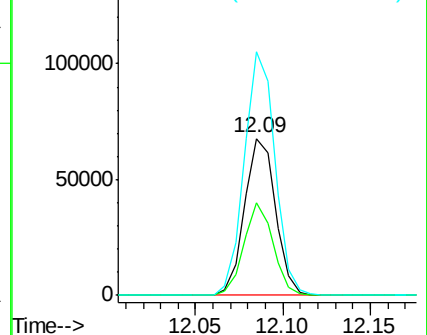
150 153.2 0.0 344.4



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: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Tgt Ion: 43 Resp: 1527

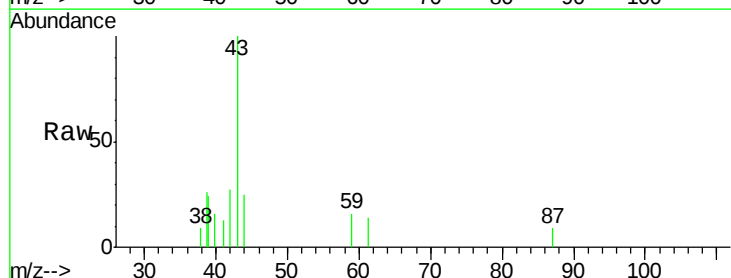
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.3 14.4 21.6

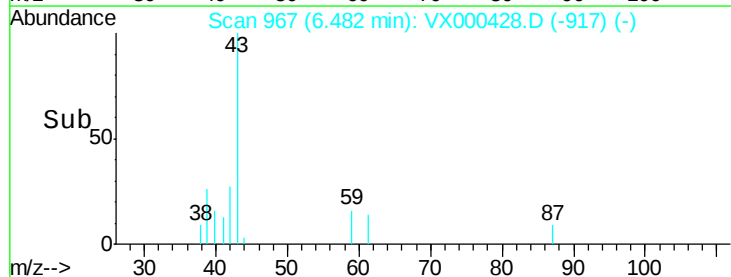
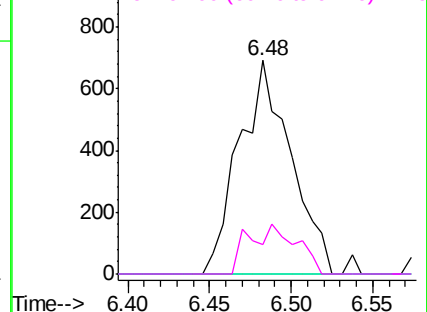


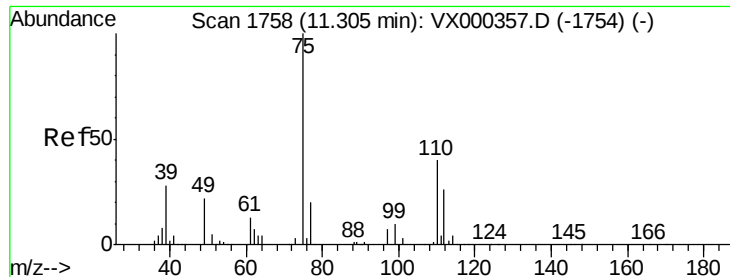
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

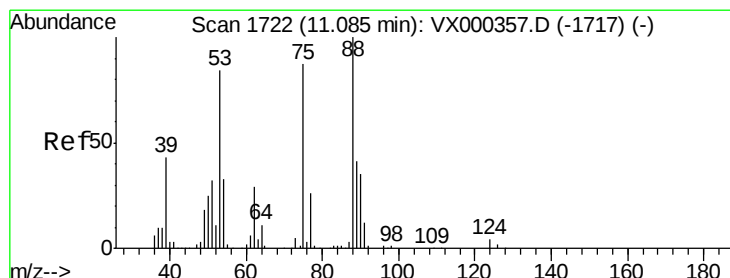
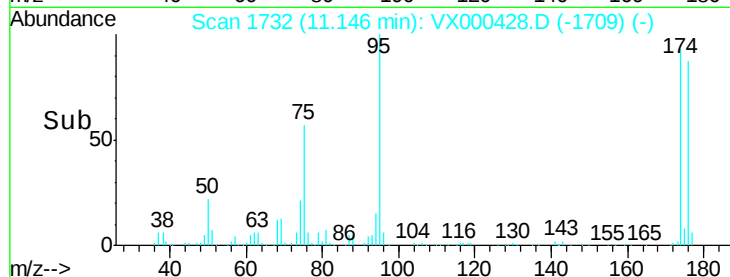
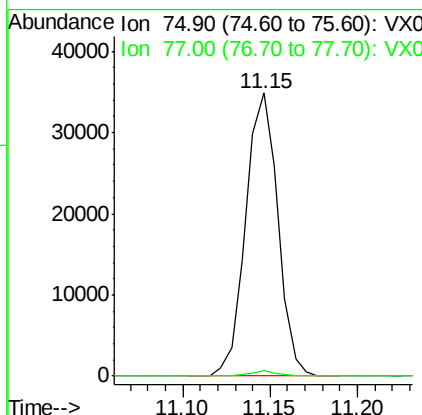
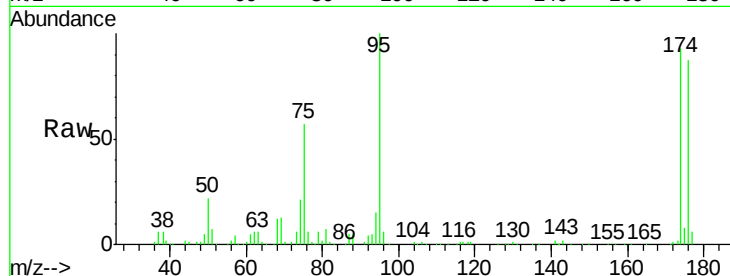




#76
 1,2,3-Trichloropropane
 Concen: 24.88 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000428.D
 Acq: 23 Mar 2018 14:45

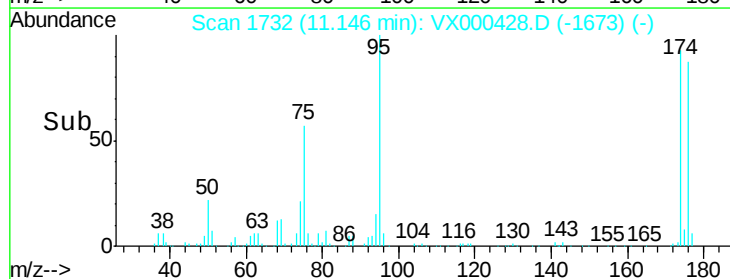
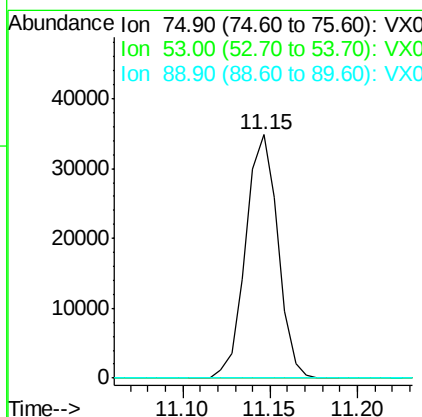
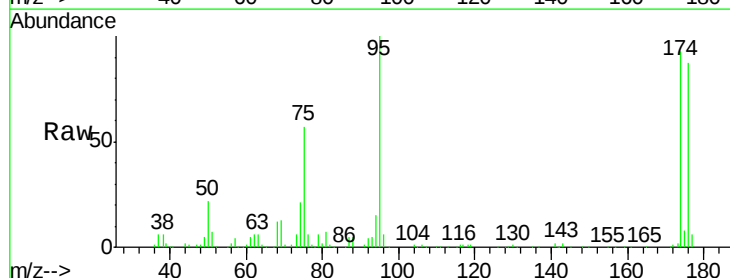
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-032218-A

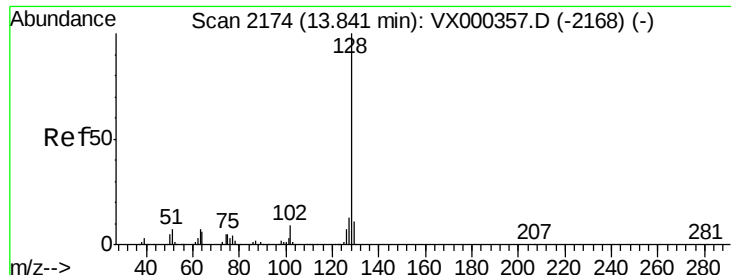
Tgt Ion: 75 Resp: 44633
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.56 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000428.D
 Acq: 23 Mar 2018 14:45

Tgt Ion: 75 Resp: 44633
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#





#95

Naphthalene

Concen: 2.47 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000428.D

Acq: 23 Mar 2018 14:45

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-A

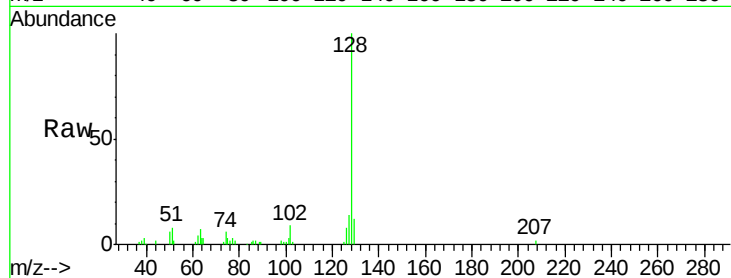
Tgt Ion:128 Resp: 16863

Ion Ratio Lower Upper

128 100

127 14.7 10.6 15.8

129 11.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

