

Data File : VX000426.D

Acq On : 23 Mar 2018 13:54

Operator : JC/MD

Sample : J1748-12 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

Quant Time: Mar 24 05:54:23 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	113608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	186120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	87709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	82060	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
35) Dibromofluoromethane	5.52	113	65097	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	8.73	98	248509	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	11.15	95	80202	37.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.92%	

Target Compounds

						Qvalue
5) Bromomethane	1.66	94	263	0.20	ug/l	# 68
6) Chloroethane	1.75	64	222	Below	Cal	# 44
10) Methyl Iodide	2.53	142	147	4.37	ug/l	# 52
11) Tert butyl alcohol	3.04	59	114	0.22	ug/l	# 72
13) Acrolein	2.29	56	24	14.72	ug/l	# 13
16) Acetone	2.45	43	2912	2.36	ug/l	# 86
17) Carbon Disulfide	2.59	76	621	0.20	ug/l	# 76
18) Methyl Acetate	2.78	43	598	0.23	ug/l	# 51
20) Methylene Chloride	2.87	84	104039	73.02	ug/l	# 97
25) 2-Butanone	4.73	43	329	0.24	ug/l	# 49
29) Tetrahydrofuran	5.20	42	252	0.30	ug/l	# 60
31) Cyclohexane	5.68	56	3014	1.61	ug/l	# 40
36) 1,1-Dichloropropene	5.68	75	8997	4.79	ug/l	# 52
38) Carbon Tetrachloride	5.68	117	11611	5.89	ug/l	# 14
43) Isopropyl Acetate	6.48	43	1585	0.41	ug/l	# 98
49) 1,4-Dioxane	7.59	88	22	0.56	ug/l	# 26
60) Dibromochloromethane	9.59	129	114	4.17	ug/l	# 12
74) N-amyl acetate	6.48	43	1585	Below	Cal	# 98
76) 1,2,3-Trichloropropane	11.15	75	46239	24.53	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	11.15	75	46239	79.42	ug/l	# 9
95) Naphthalene	13.85	128	6063	0.85	ug/l	# 96

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

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AU-05-032218-C

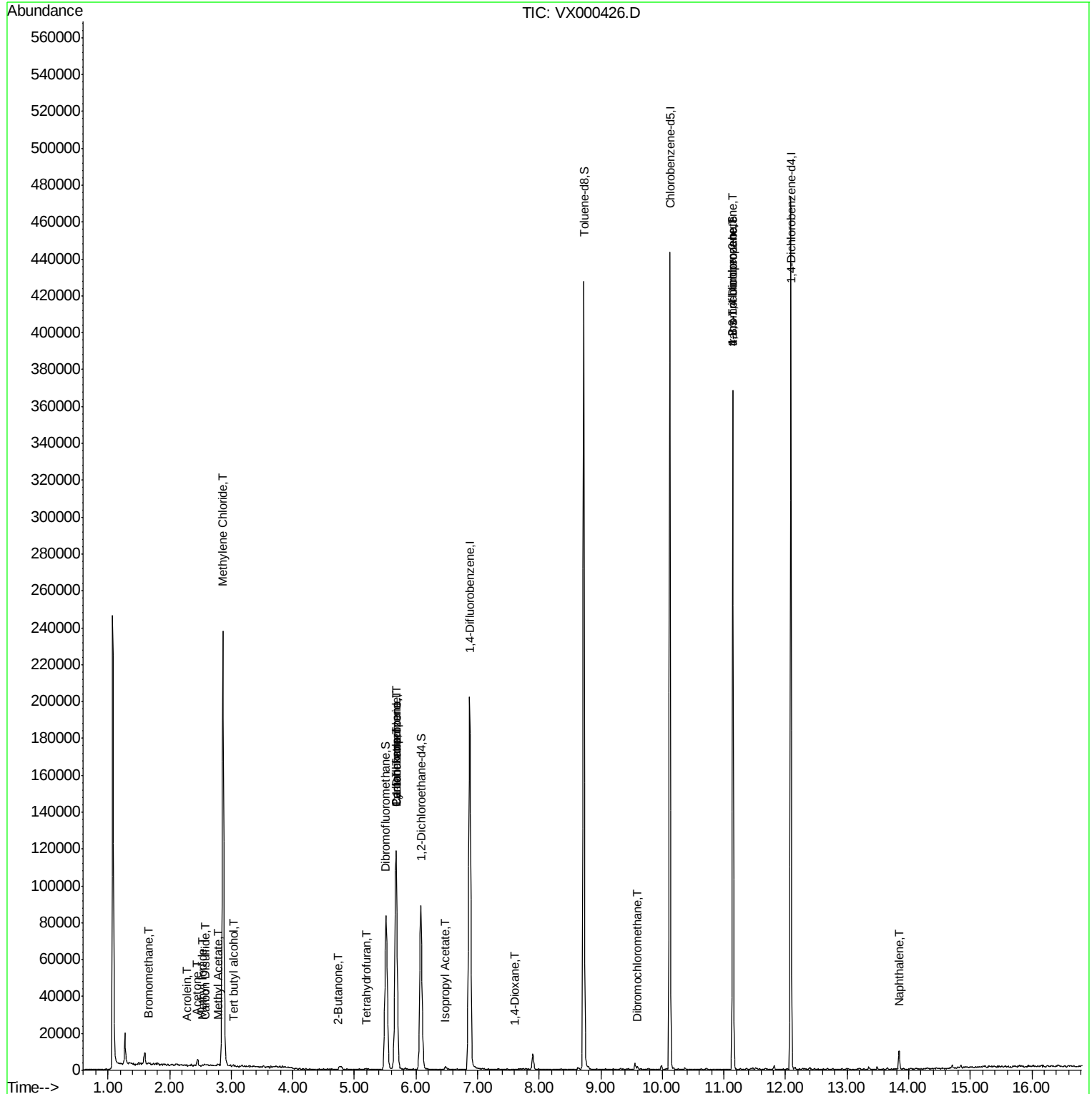
Quant Time: Mar 24 05:54:23 2018

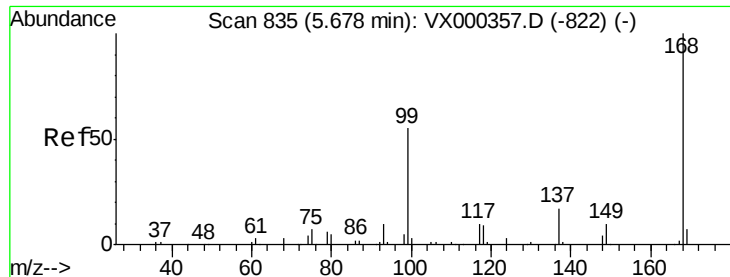
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

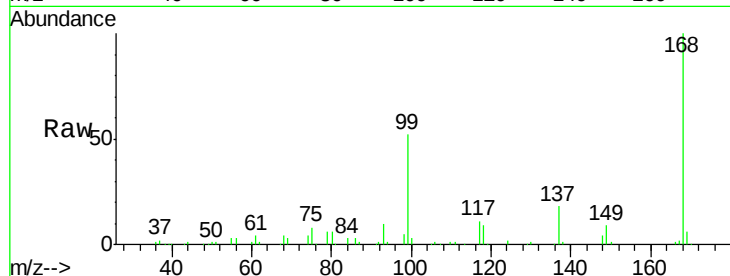
AU-05-032218-C

Tgt Ion:168 Resp: 113608

Ion Ratio Lower Upper

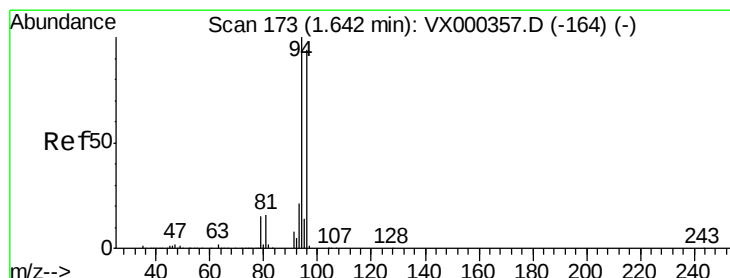
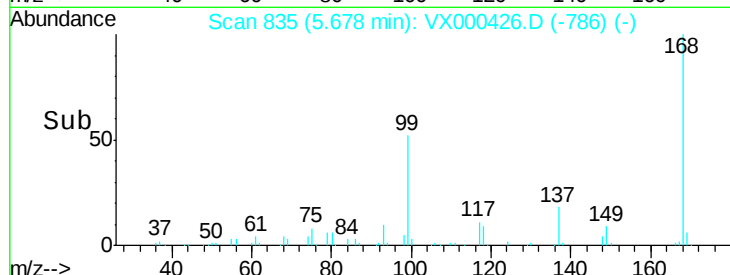
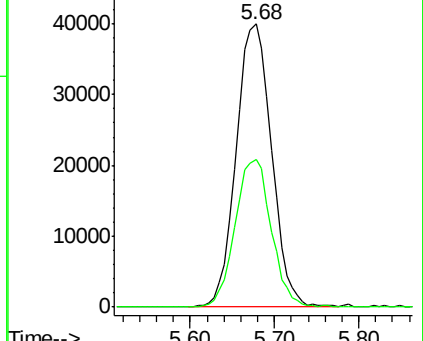
168 100

99 52.1 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: 0.20 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000426.D

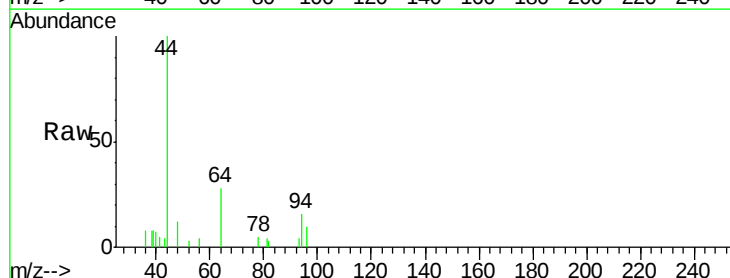
Acq: 23 Mar 2018 13:54

Tgt Ion: 94 Resp: 263

Ion Ratio Lower Upper

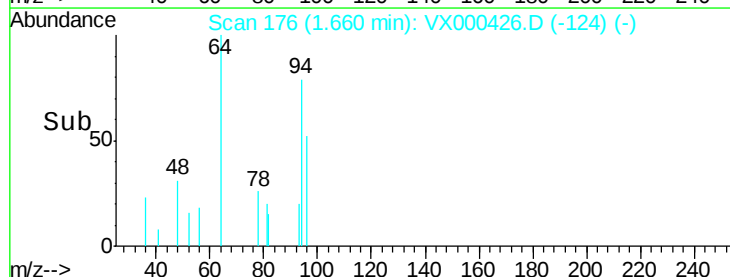
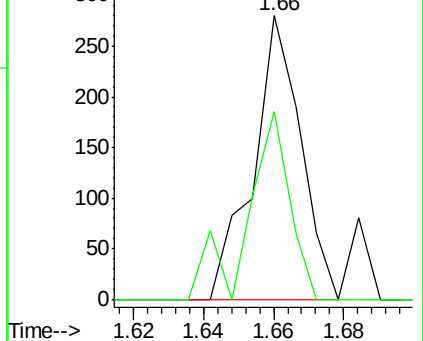
94 100

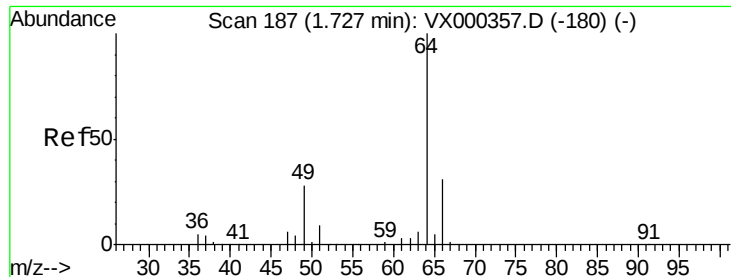
96 66.1 77.7 116.5#



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: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

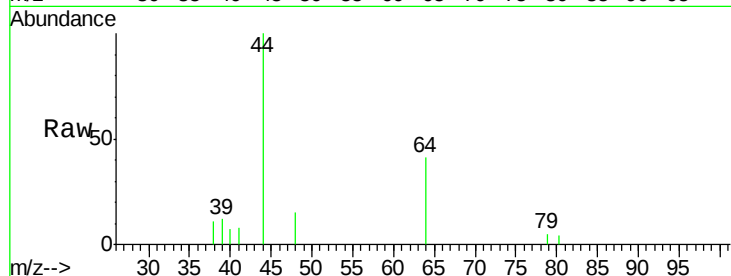
AU-05-032218-C

Tgt Ion: 64 Resp: 222

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.75

600

500

400

300

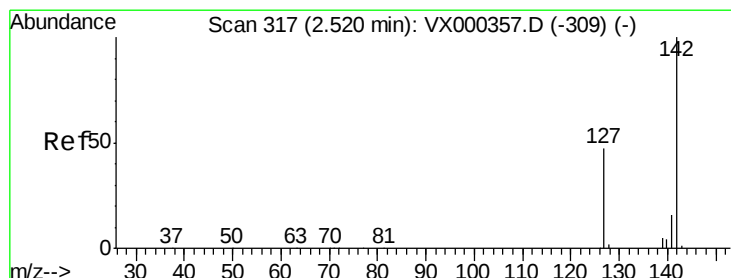
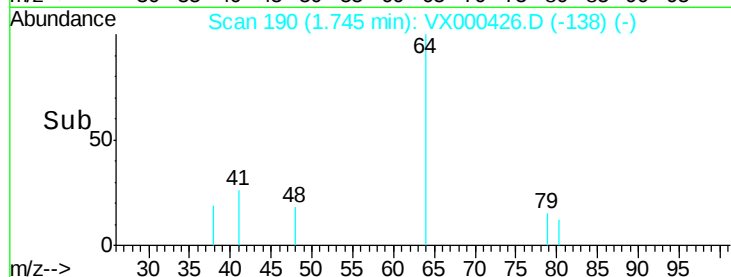
200

100

0

1.73 1.74 1.75 1.76

Time-->



#10

Methyl Iodide

Concen: 4.37 ug/l

RT: 2.53 min Scan# 319

Delta R.T. 0.01 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

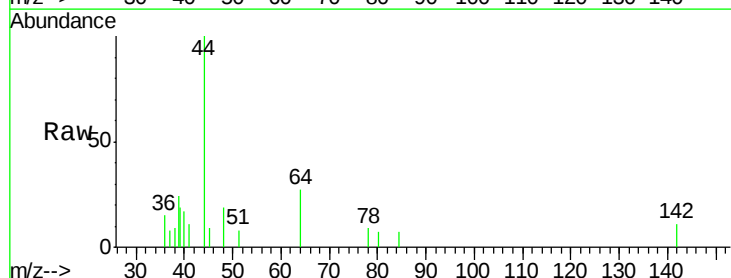
Tgt Ion: 142 Resp: 147

Ion Ratio Lower Upper

142 100

127 13.6 39.2 58.8#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.53

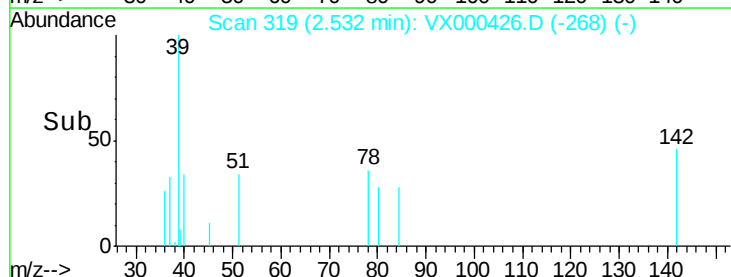
100

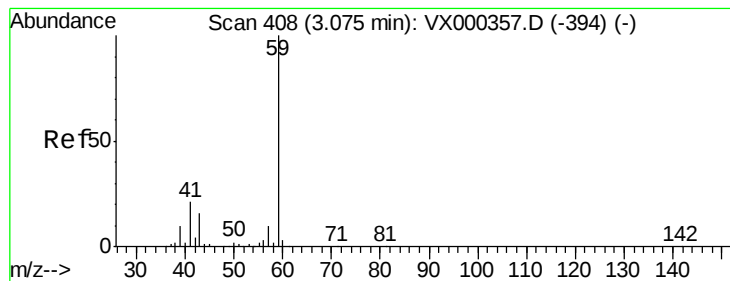
50

0

2.50 2.52 2.54 2.56

Time-->



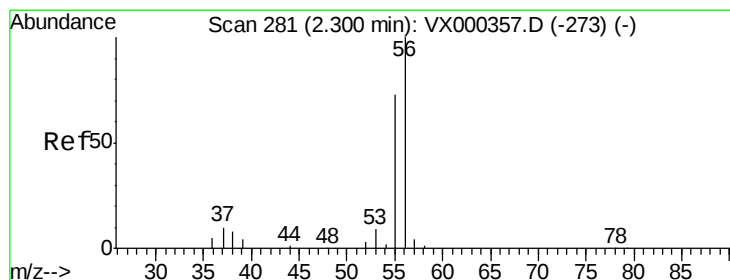
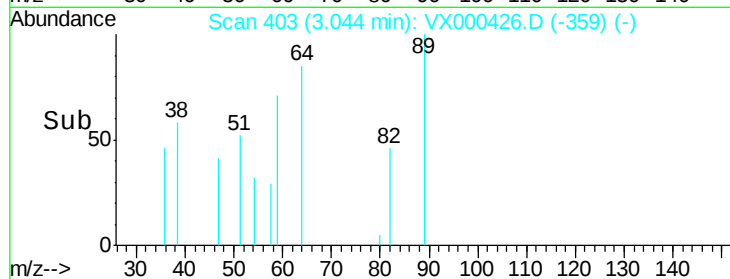
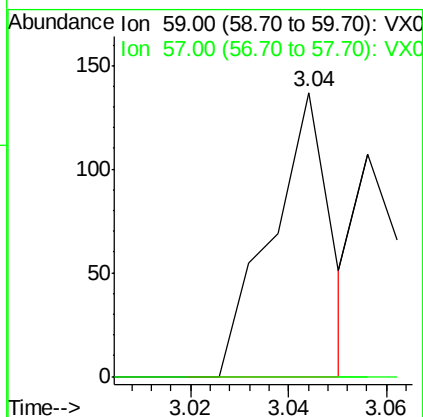
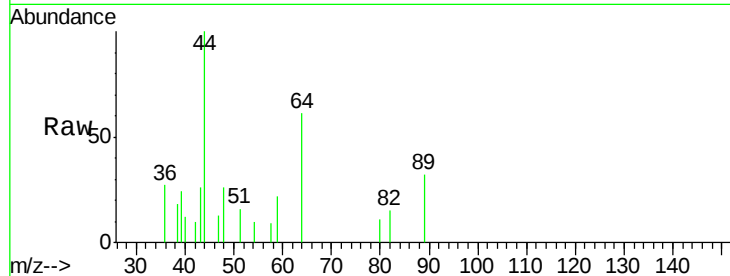


#11

Tert butyl alcohol
Concen: 0.22 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.03 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

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

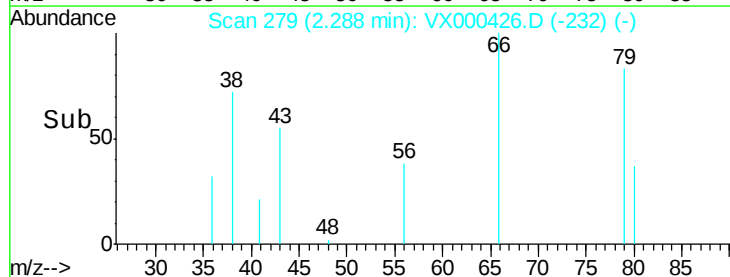
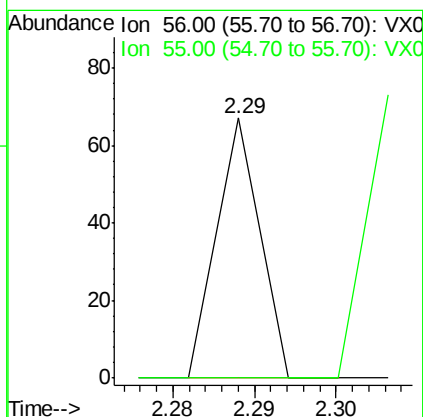
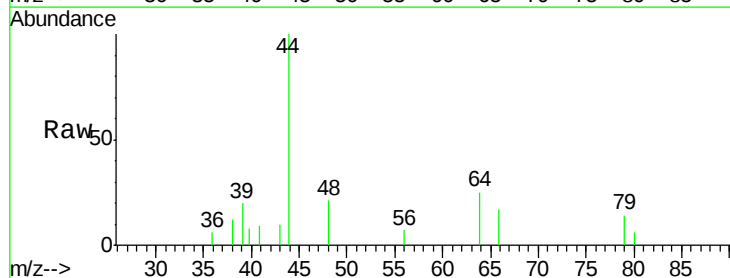
Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

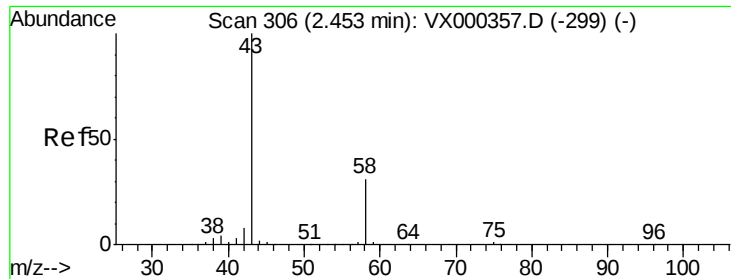


#13

Acrolein
Concen: 14.72 ug/l
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 58.8 88.2#





#16

Acetone

Concen: 2.36 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

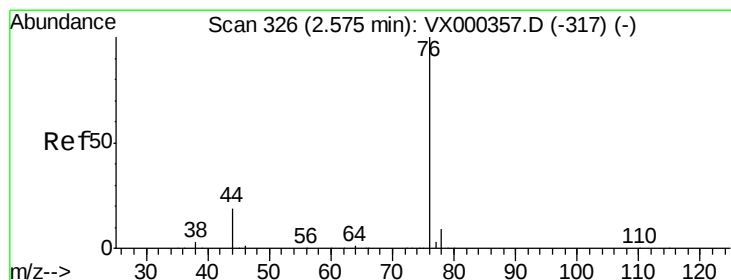
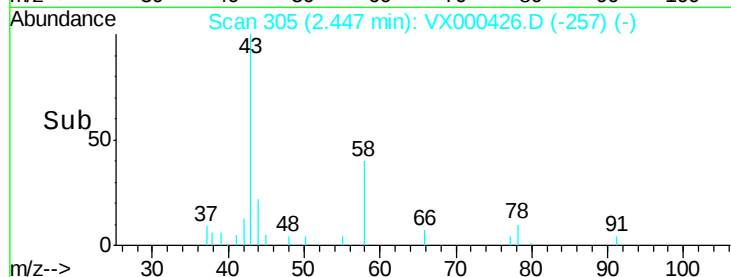
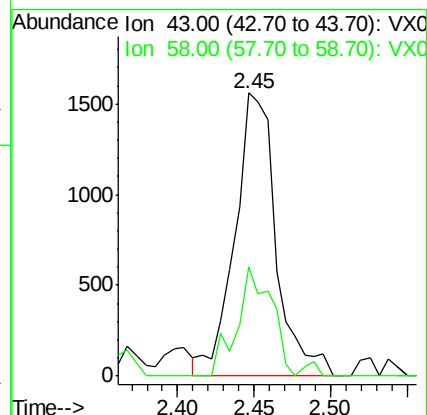
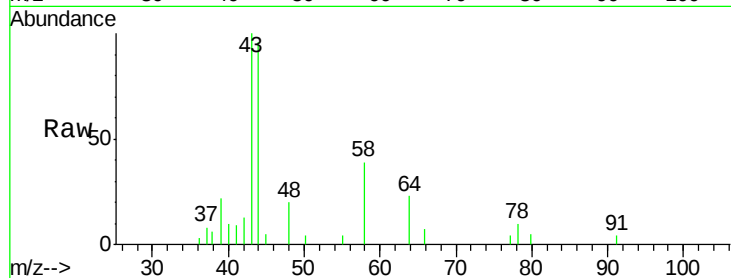
AU-05-032218-C

Tgt Ion: 43 Resp: 2912

Ion Ratio Lower Upper

43 100

58 38.6 24.7 37.1#



#17

Carbon Disulfide

Concen: 0.20 ug/l

RT: 2.59 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX000426.D

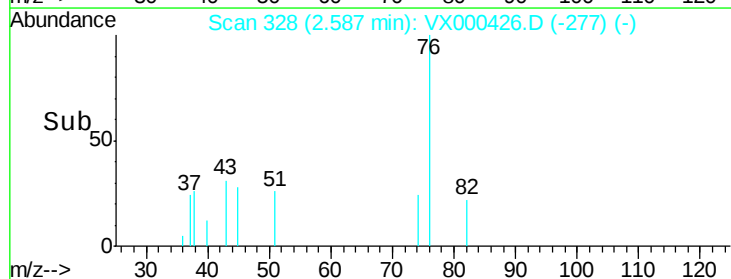
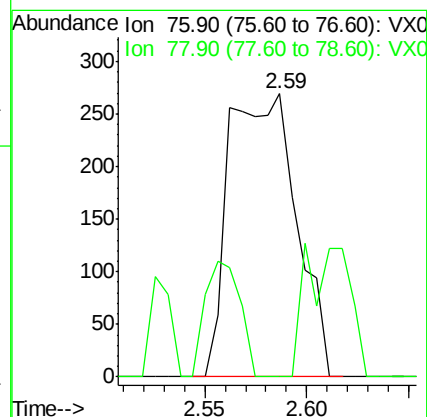
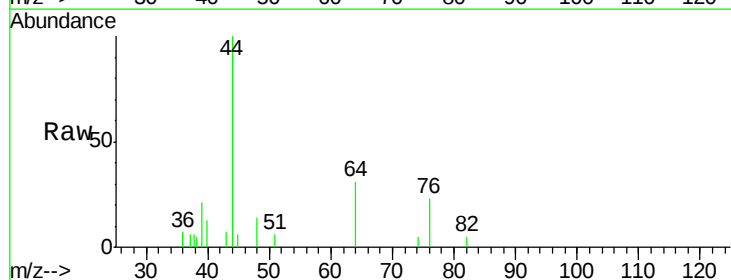
Acq: 23 Mar 2018 13:54

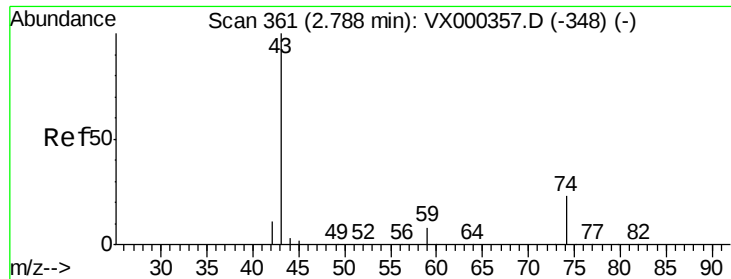
Tgt Ion: 76 Resp: 621

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

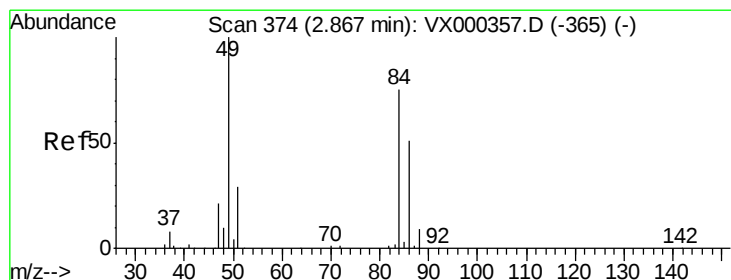
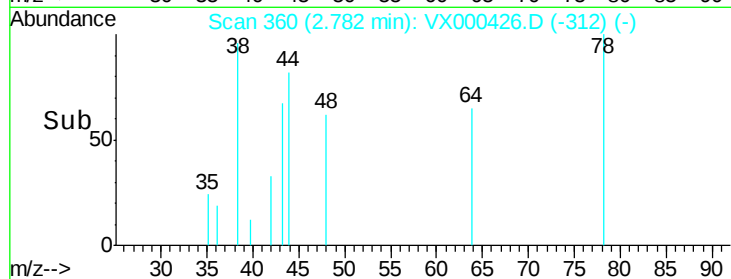
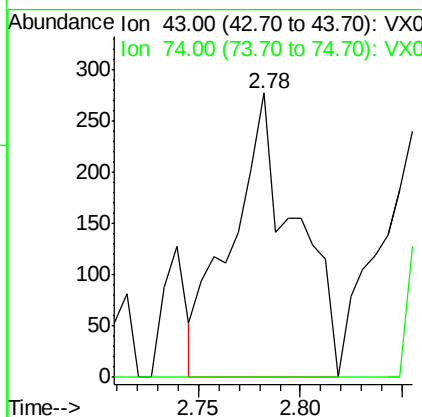
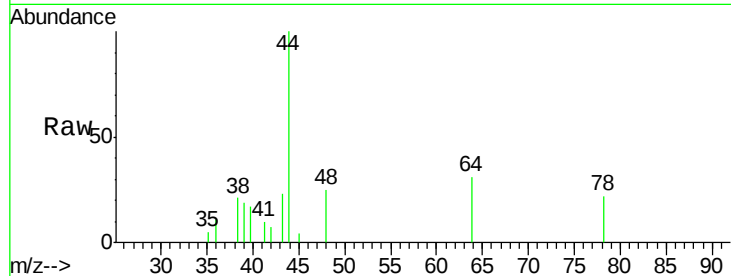




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

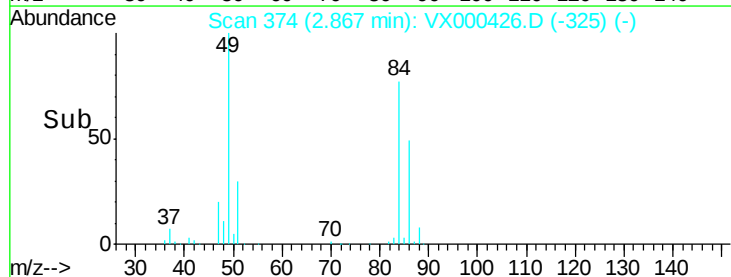
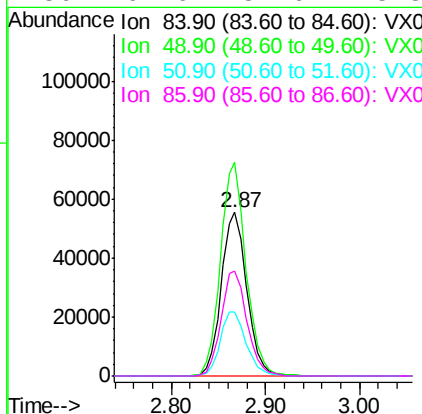
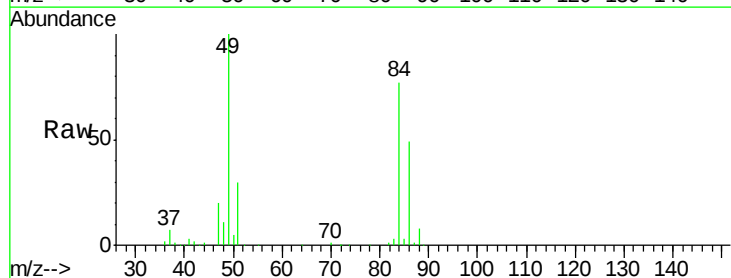
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-C

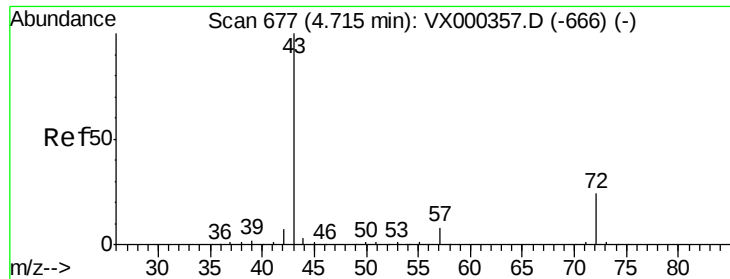
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 73.02 ug/l
RT: 2.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

Tgt Ion: 84 Resp: 104039
Ion Ratio Lower Upper
84 100
49 130.6 100.6 151.0
51 39.1 31.6 47.4
86 64.6 52.6 78.8





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

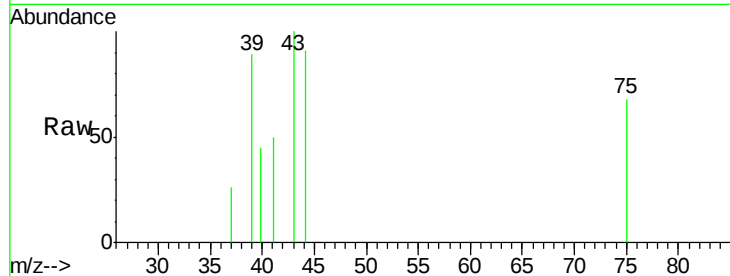
AU-05-032218-C

Tgt Ion: 43 Resp: 329

Ion Ratio Lower Upper

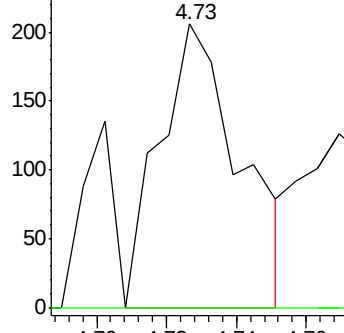
43 100

72 0.0 21.0 31.6#

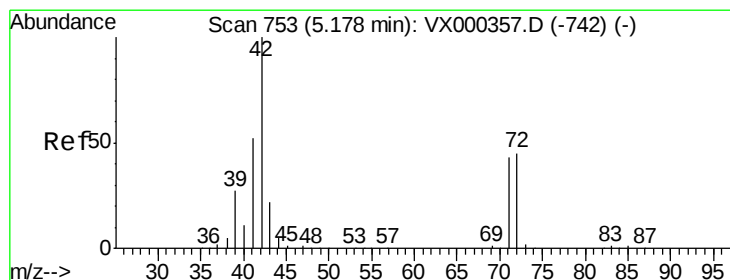
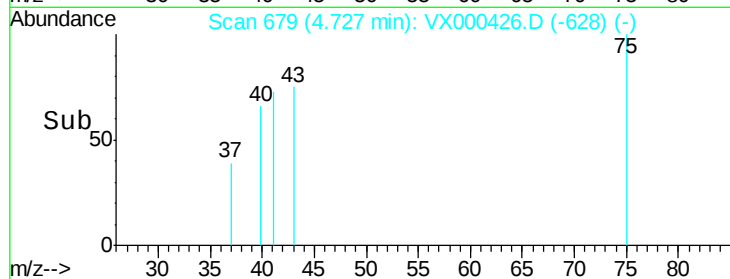


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

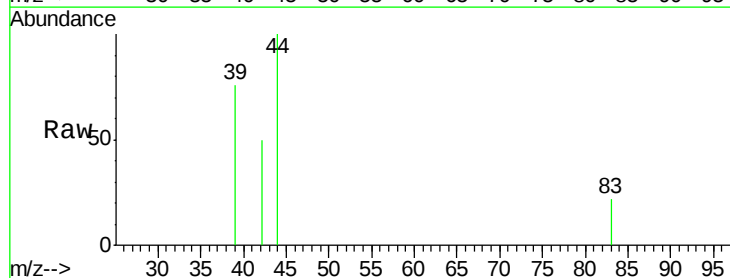
Tgt Ion: 42 Resp: 252

Ion Ratio Lower Upper

42 100

72 23.0 37.9 56.9#

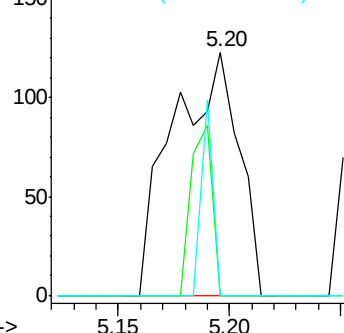
71 14.3 34.4 51.6#



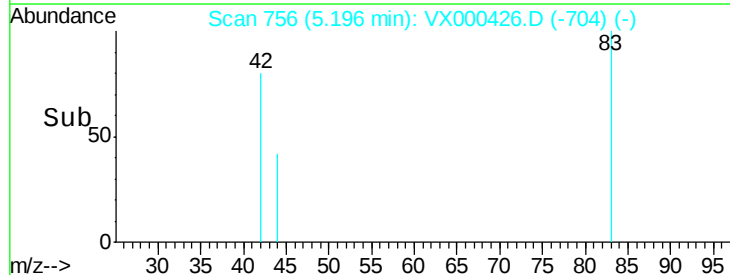
Abundance Ion 42.00 (41.70 to 42.70): VX0

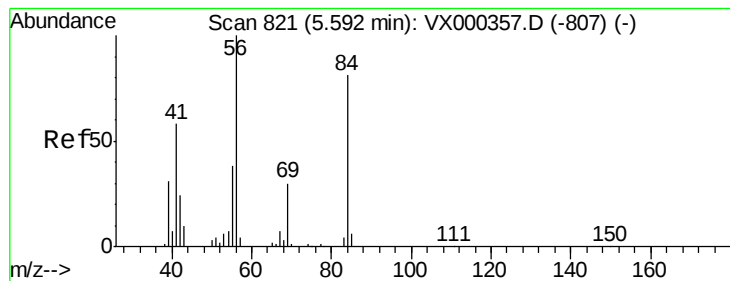
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#31

Cyclohexane

Concen: 1.61 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

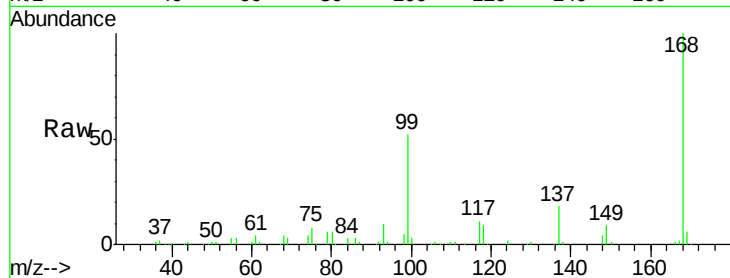
Tgt Ion: 56 Resp: 3014

Ion Ratio Lower Upper

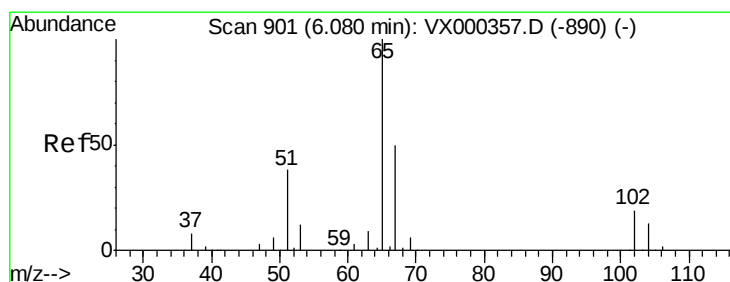
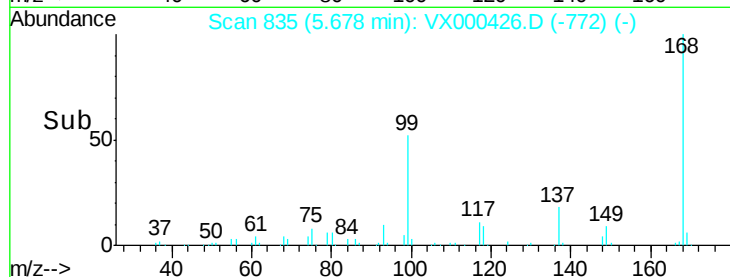
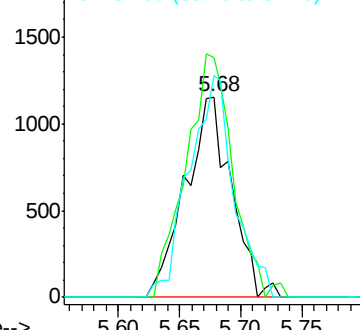
56 100

69 119.7 23.4 35.0#

84 110.9 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: 55.33 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000426.D

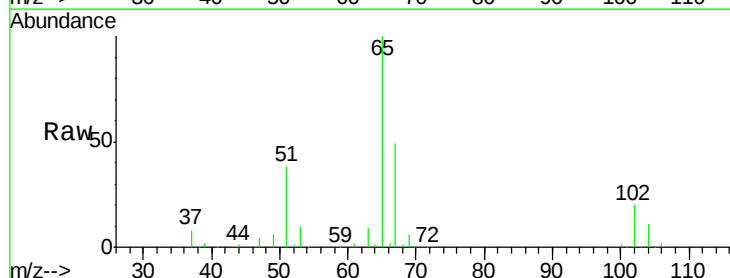
Acq: 23 Mar 2018 13:54

Tgt Ion: 65 Resp: 82060

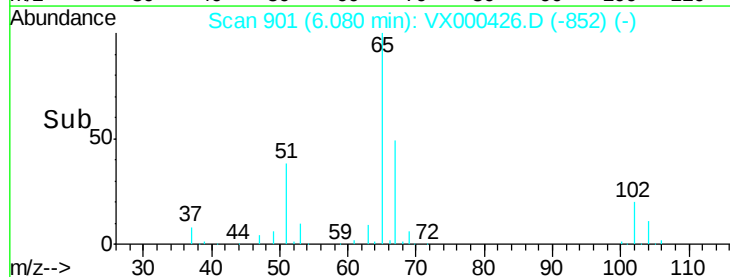
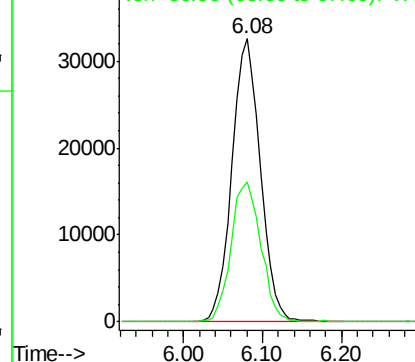
Ion Ratio Lower Upper

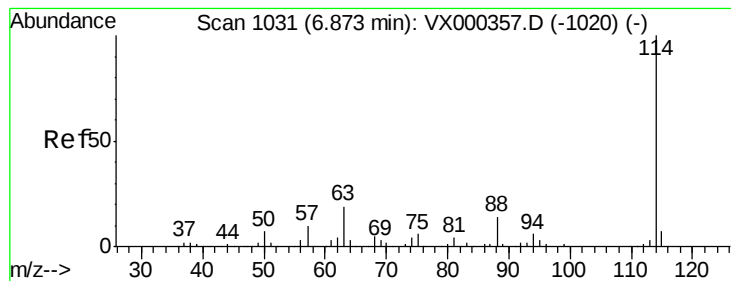
65 100

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: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

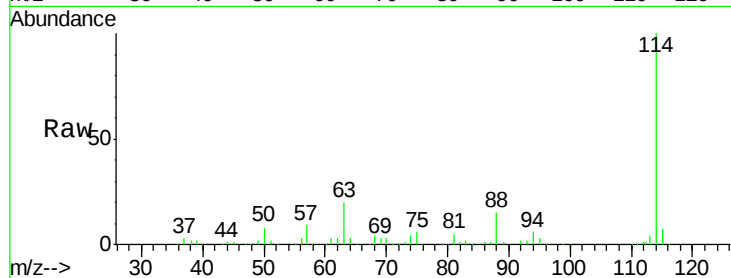
Tgt Ion:114 Resp: 200551

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

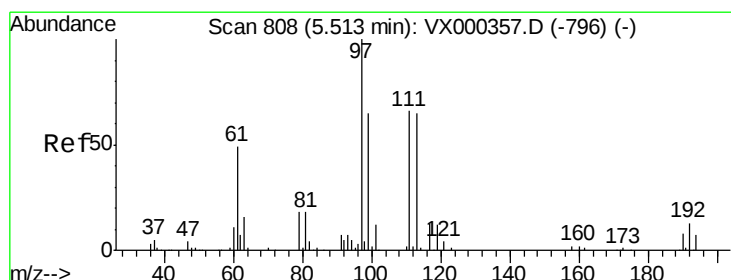
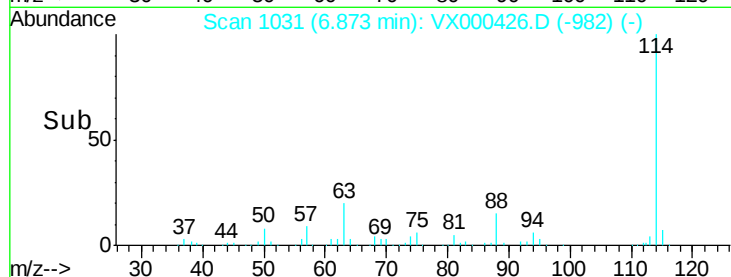
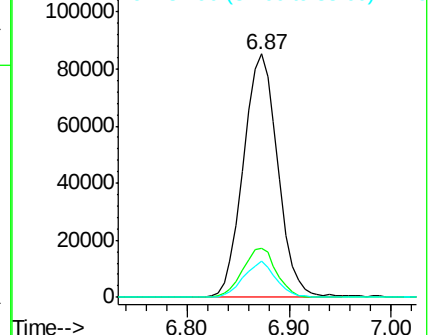
88 15.0 0.0 27.0



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: 51.52 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

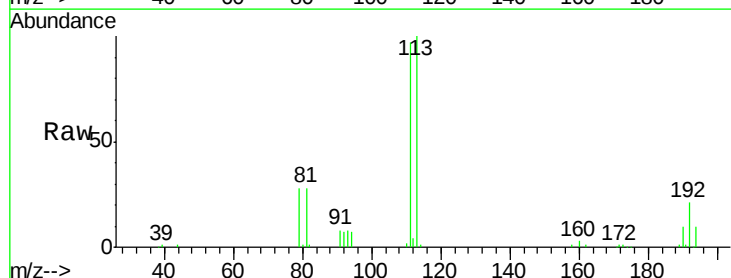
Tgt Ion:113 Resp: 65097

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

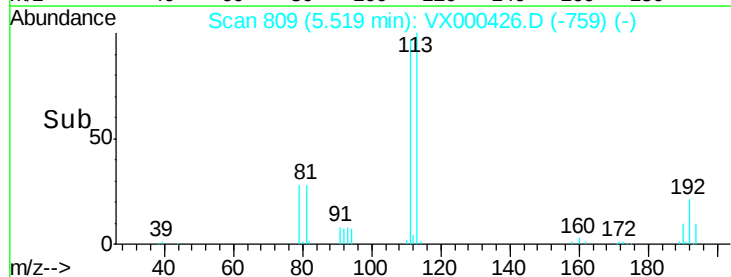
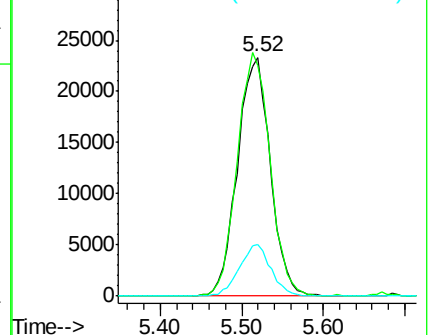
192 20.7 15.8 23.6

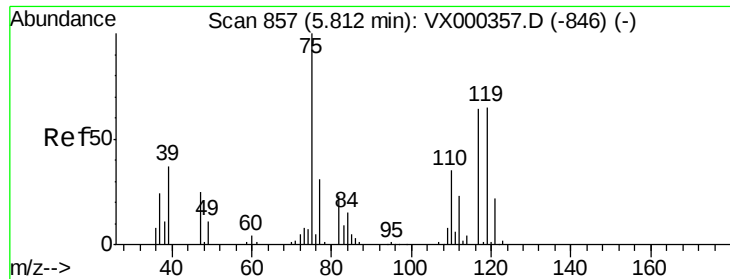


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.79 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

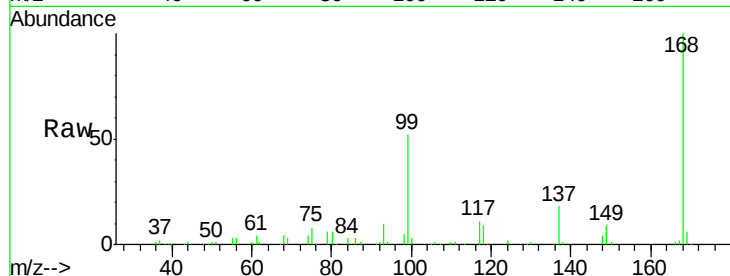
Tgt Ion: 75 Resp: 8997

Ion Ratio Lower Upper

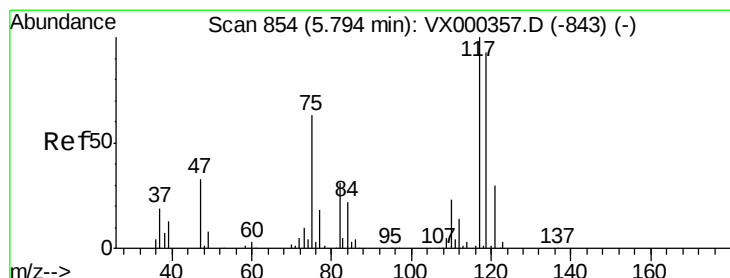
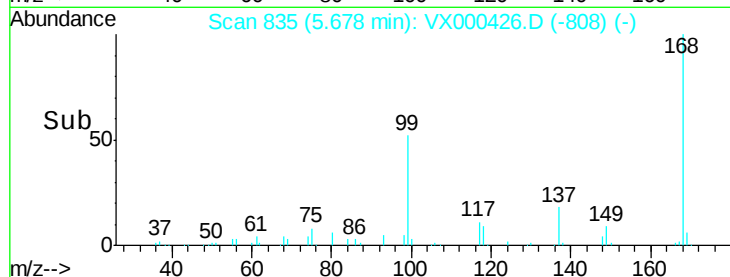
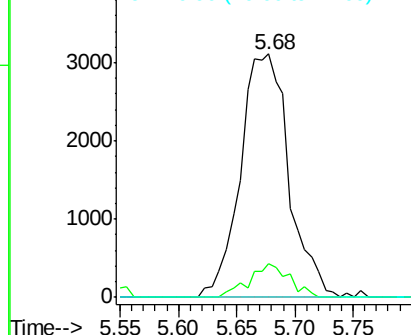
75 100

110 11.3 17.9 53.7#

77 0.0 24.0 36.0#



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: 5.89 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

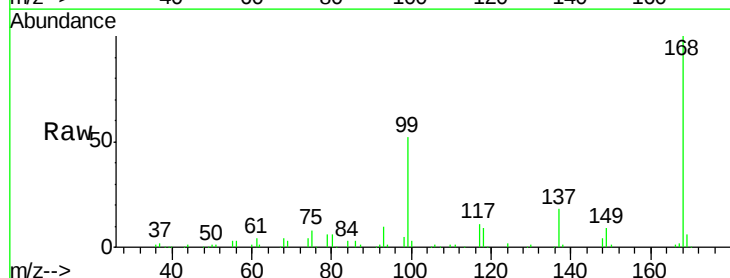
Tgt Ion: 117 Resp: 11611

Ion Ratio Lower Upper

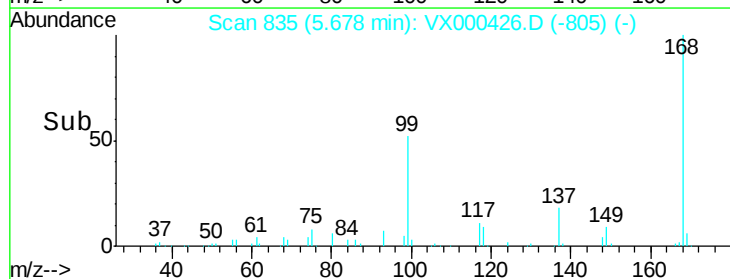
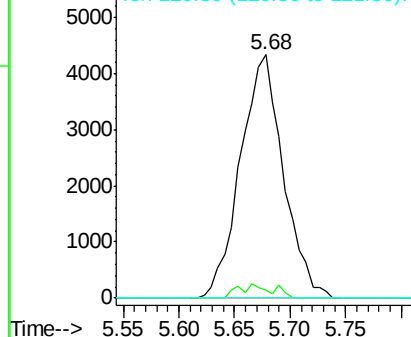
117 100

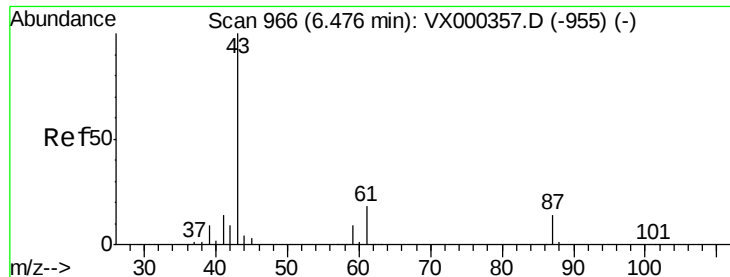
119 3.5 77.4 116.2#

121 0.0 24.8 37.2#



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





#43

Isopropyl Acetate

Concen: 0.41 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

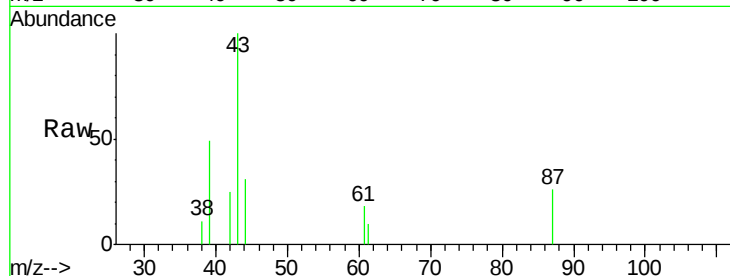
Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

61 17.3 14.4 21.6

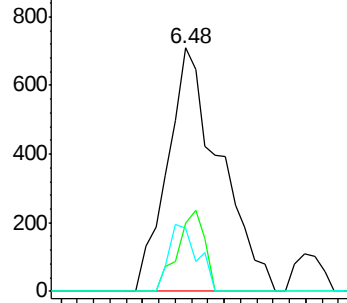
87 15.1 11.0 16.4



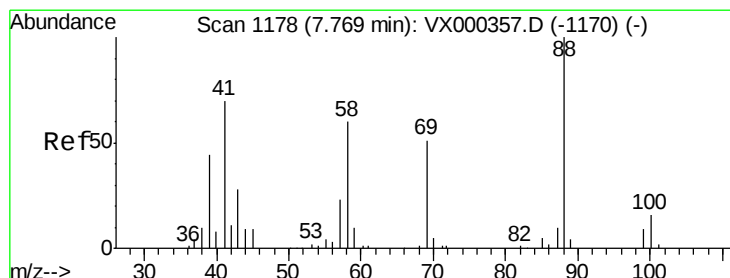
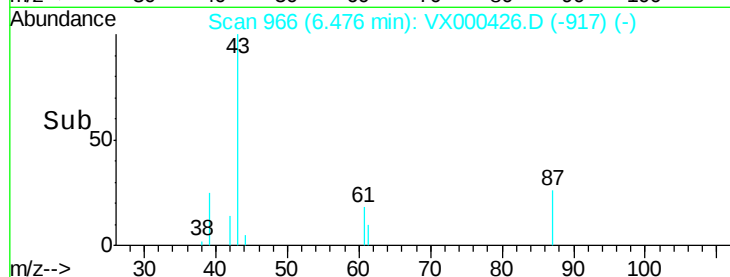
Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#49

1,4-Dioxane

Concen: 0.56 ug/l

RT: 7.59 min Scan# 1149

Delta R.T. -0.18 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

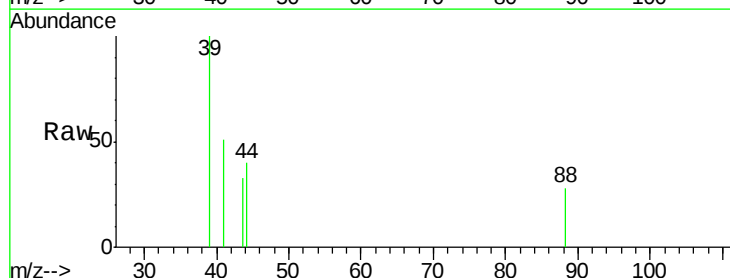
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2#

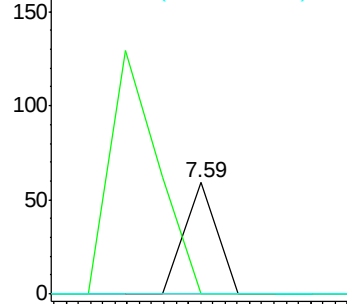
58 0.0 52.2 78.2#



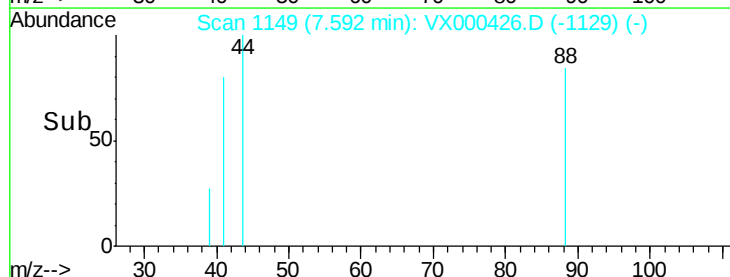
Abundance Ion 88.00 (87.70 to 88.70): VX0

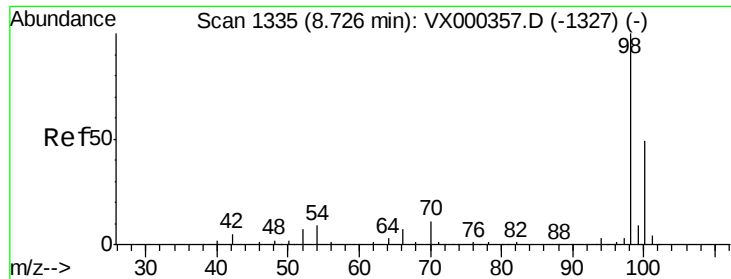
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 7.57 7.58 7.59 7.60 7.61

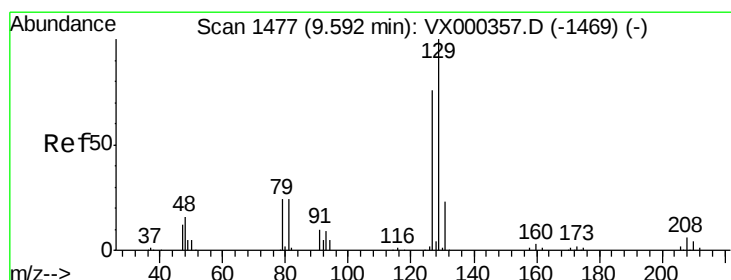
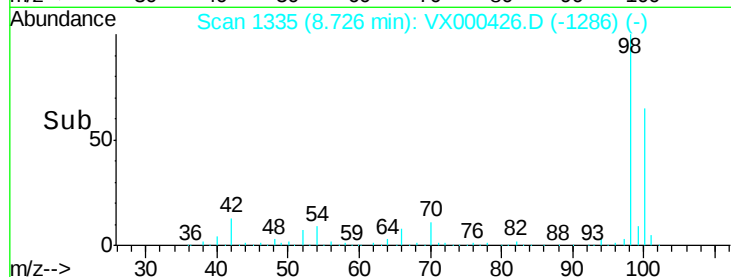
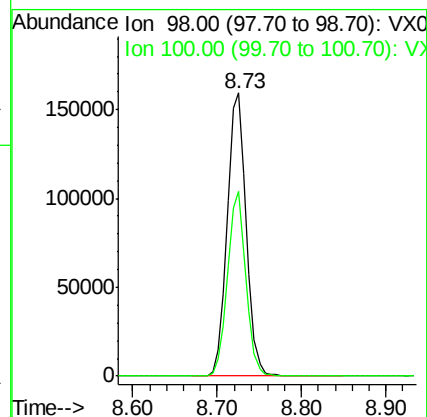
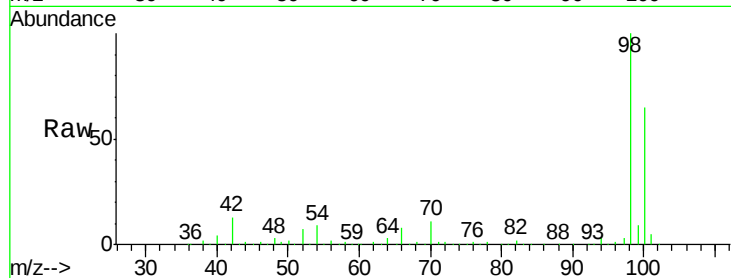




#50
Toluene-d8
Concen: 47.48 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

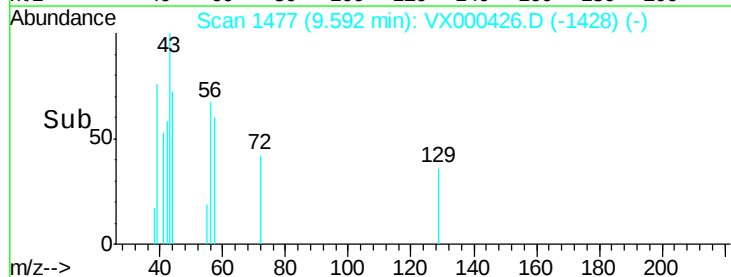
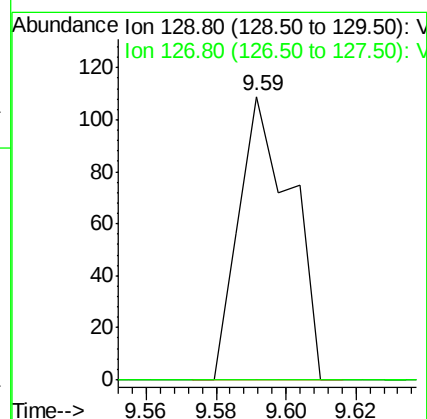
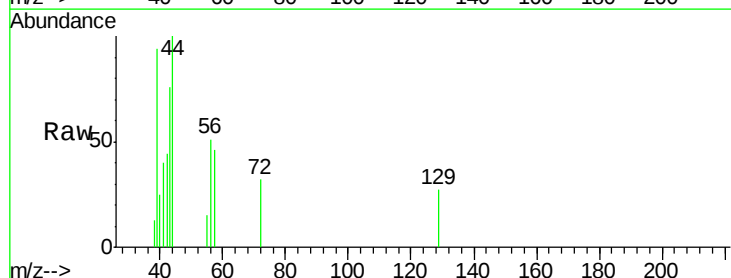
Instrument :
MSVOA_X
ClientSampleId :
AU-05-032218-C

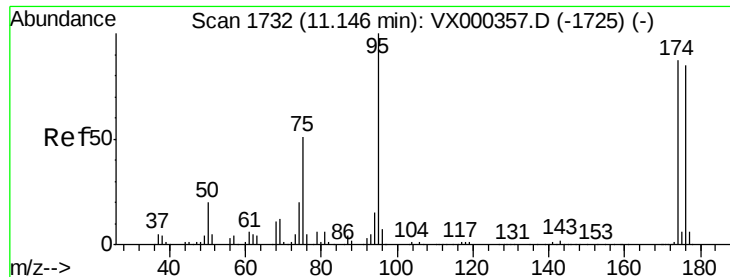
Tgt Ion: 98 Resp: 248509
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8



#60
Dibromochloromethane
Concen: 4.17 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000426.D
Acq: 23 Mar 2018 13:54

Tgt Ion: 129 Resp: 114
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 37.96 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

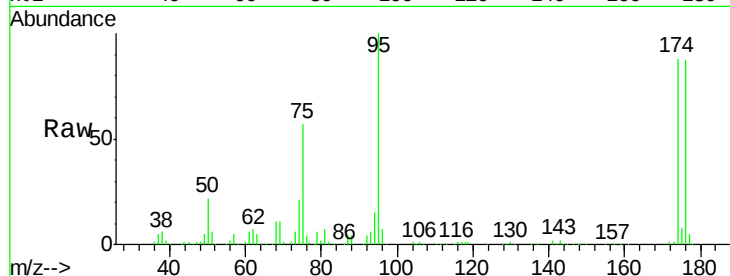
Tgt Ion: 95 Resp: 80202

Ion Ratio Lower Upper

95 100

174 89.1 0.0 173.6

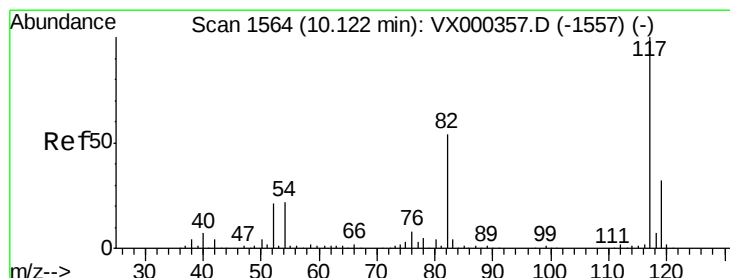
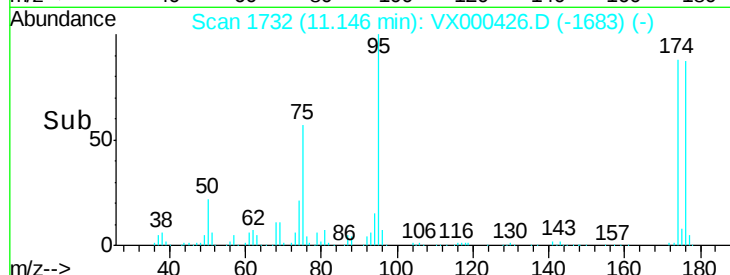
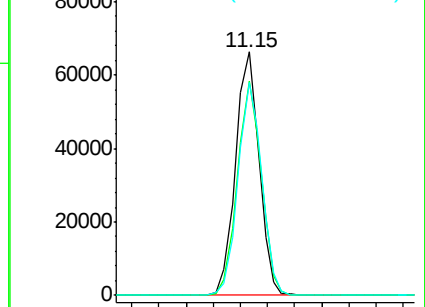
176 87.6 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000426.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000426.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000426.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

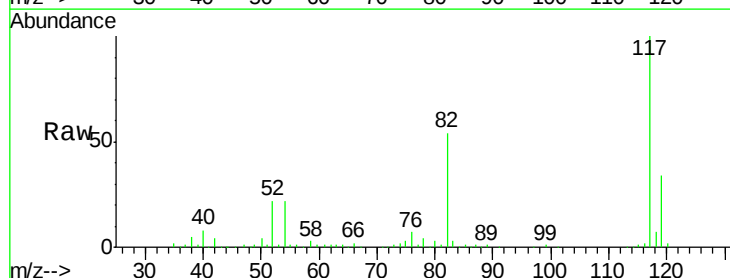
Tgt Ion: 117 Resp: 186120

Ion Ratio Lower Upper

117 100

82 53.6 43.8 65.8

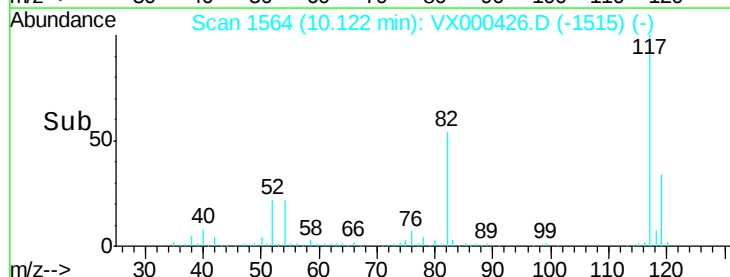
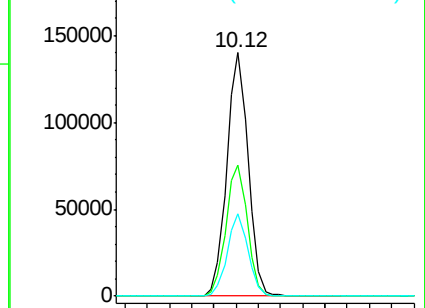
119 33.8 24.9 37.3

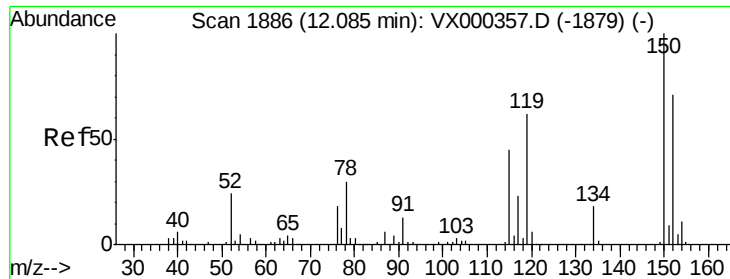


Abundance Ion 116.90 (116.60 to 117.60): VX000426.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000426.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000426.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

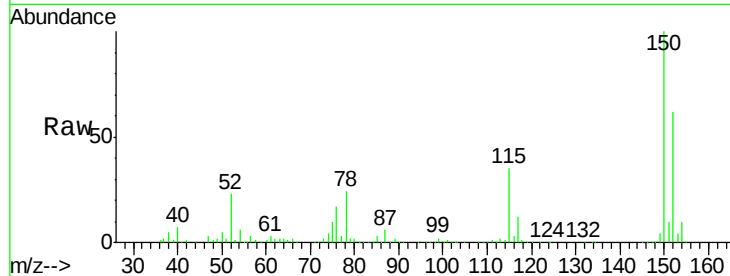
Tgt Ion:152 Resp: 87709

Ion Ratio Lower Upper

152 100

115 55.2 39.8 119.3

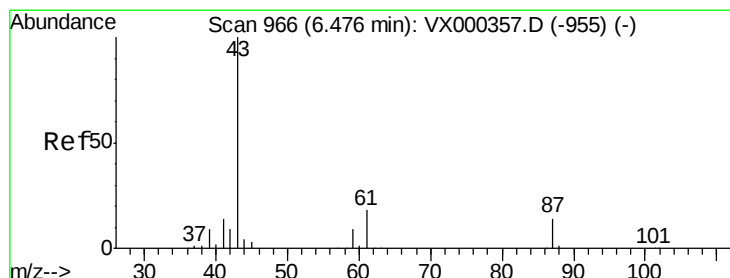
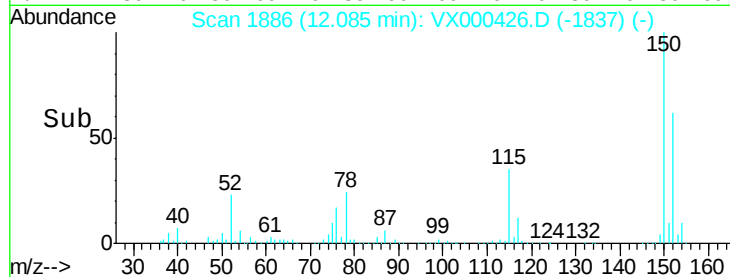
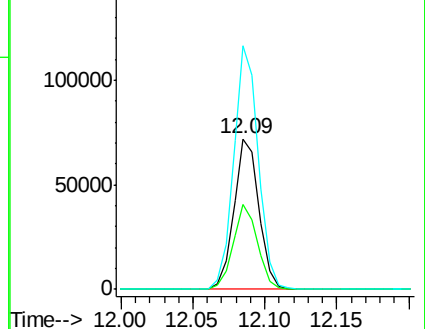
150 158.7 0.0 344.4



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-amil acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Tgt Ion: 43 Resp: 1585

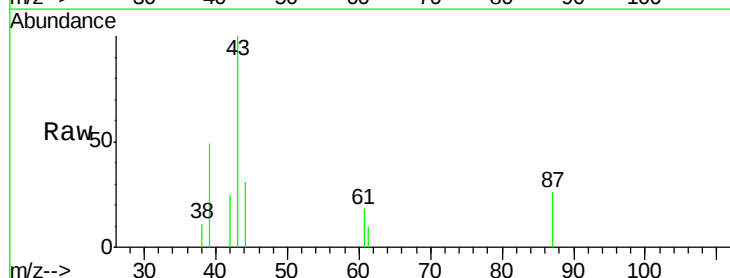
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 17.3 14.4 21.6

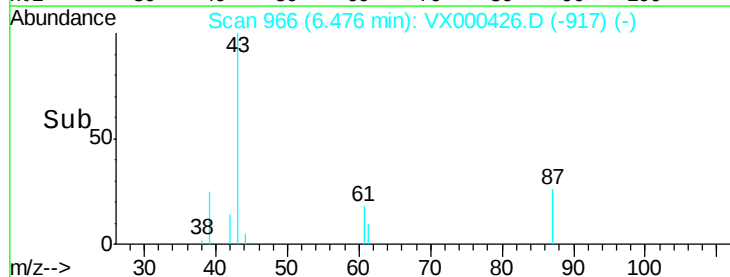
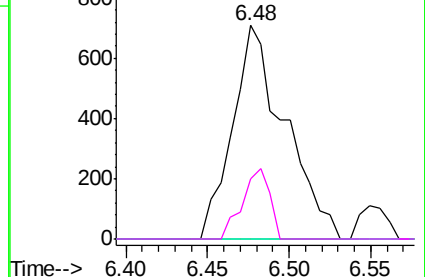


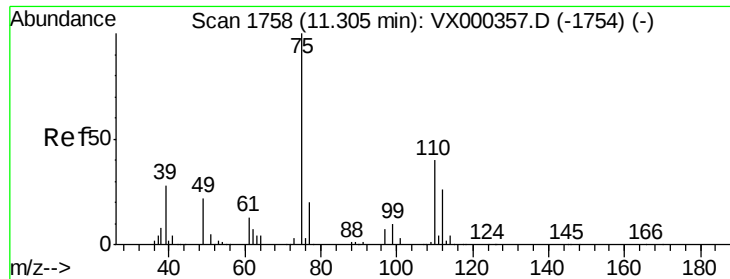
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

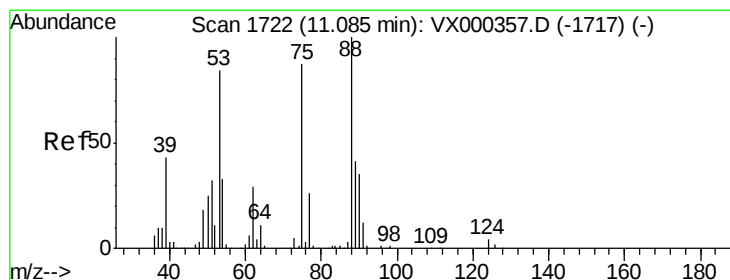
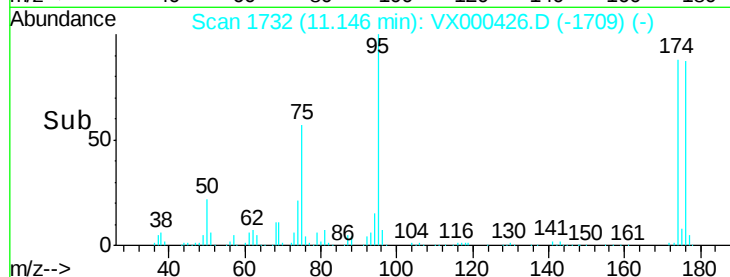
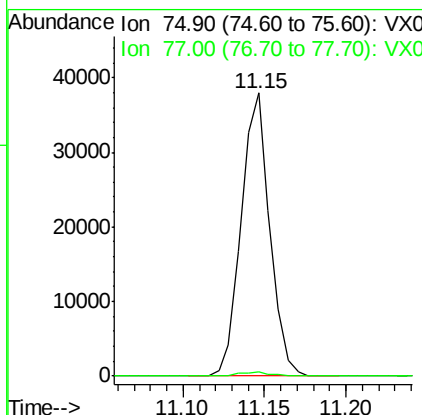
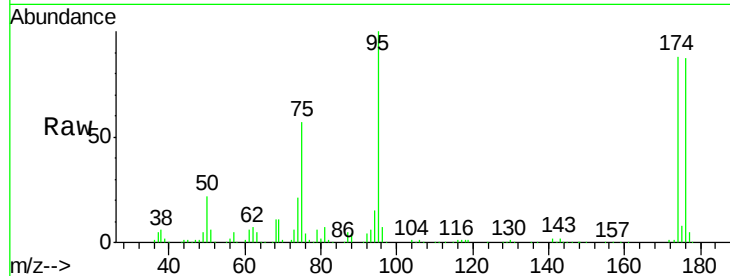




#76
 1,2,3-Trichloropropane
 Concen: 24.53 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000426.D
 Acq: 23 Mar 2018 13:54

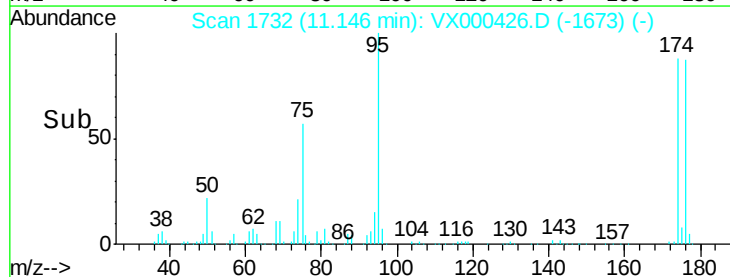
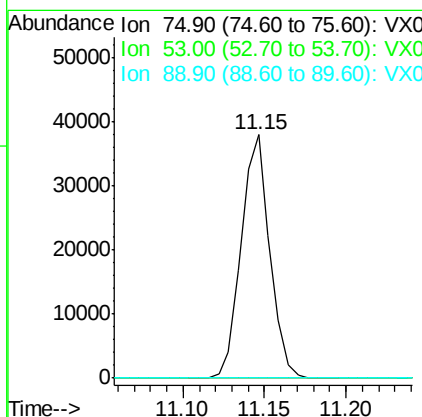
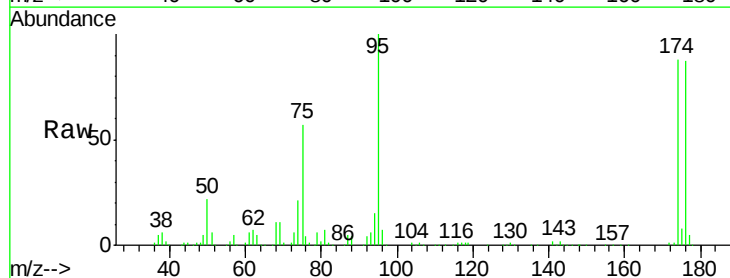
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-05-032218-C

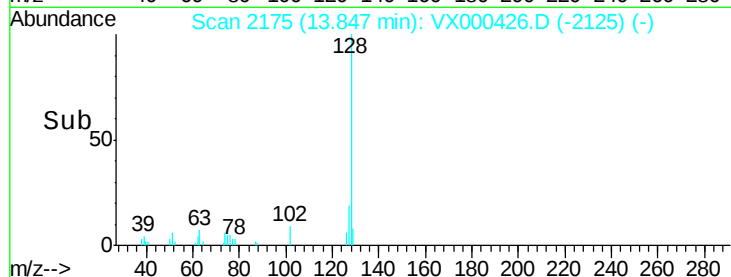
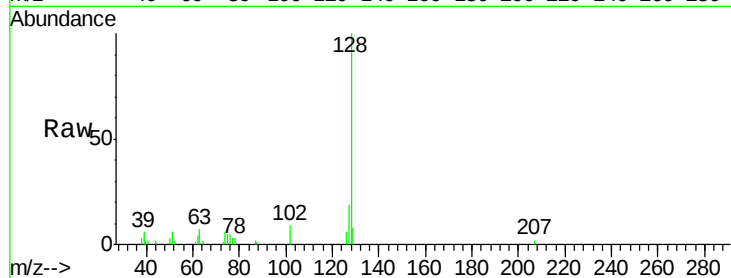
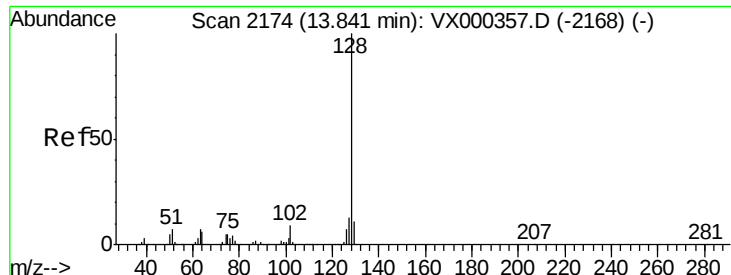
Tgt Ion: 75 Resp: 46239
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.42 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000426.D
 Acq: 23 Mar 2018 13:54

Tgt Ion: 75 Resp: 46239
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.7 121.1#
 89 0.0 39.4 59.0#





#95

Naphthalene

Concen: 0.85 ug/l

RT: 13.85 min Scan# 2175

Delta R.T. 0.01 min

Lab File: VX000426.D

Acq: 23 Mar 2018 13:54

Instrument :

MSVOA_X

ClientSampleId :

AU-05-032218-C

Tgt Ion:128 Resp: 6063

Ion Ratio Lower Upper

128 100

127 15.6 10.6 15.8

129 10.7 8.9 13.3

