

Data File : VX000406.D

Acq On : 22 Mar 2018 15:13

Operator : JC/MD

Sample : J2005-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SUMP-031918

Quant Time: Mar 23 05:44:04 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	5.67	168	99441	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	175964	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	79293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	72269	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	5.51	113	56515	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	8.73	98	220894	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	11.15	95	73797	39.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.02%	

Target Compounds

						Qvalue
6) Chloroethane	1.72	64	188	Below Cal	#	44
10) Methyl Iodide	2.52	142	40	4.31	ug/l #	37
11) Tert butyl alcohol	3.07	59	24797	55.54	ug/l	98
13) Acrolein	2.29	56	20	14.71	ug/l #	21
16) Acetone	2.45	43	537	0.50	ug/l #	32
19) Methyl tert-butyl Ether	3.21	73	207846	52.14	ug/l	99
29) Tetrahydrofuran	5.20	42	437	0.59	ug/l #	40
31) Cyclohexane	5.67	56	2604	1.59	ug/l #	45
36) 1,1-Dichloropropene	5.67	75	7844	4.76	ug/l #	50
38) Carbon Tetrachloride	5.68	117	9559	5.53	ug/l #	15
51) 4-Methyl-2-Pentanone	8.72	43	1013	0.39	ug/l #	1
60) Dibromochloromethane	9.34	129	27	4.13	ug/l #	12
74) N-amyl acetate	6.46	43	253	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	42684	25.05	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	42684	81.09	ug/l #	9

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

Data File : VX000406.D

Acq On : 22 Mar 2018 15:13

Operator : JC/MD

Sample : J2005-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SUMP-031918

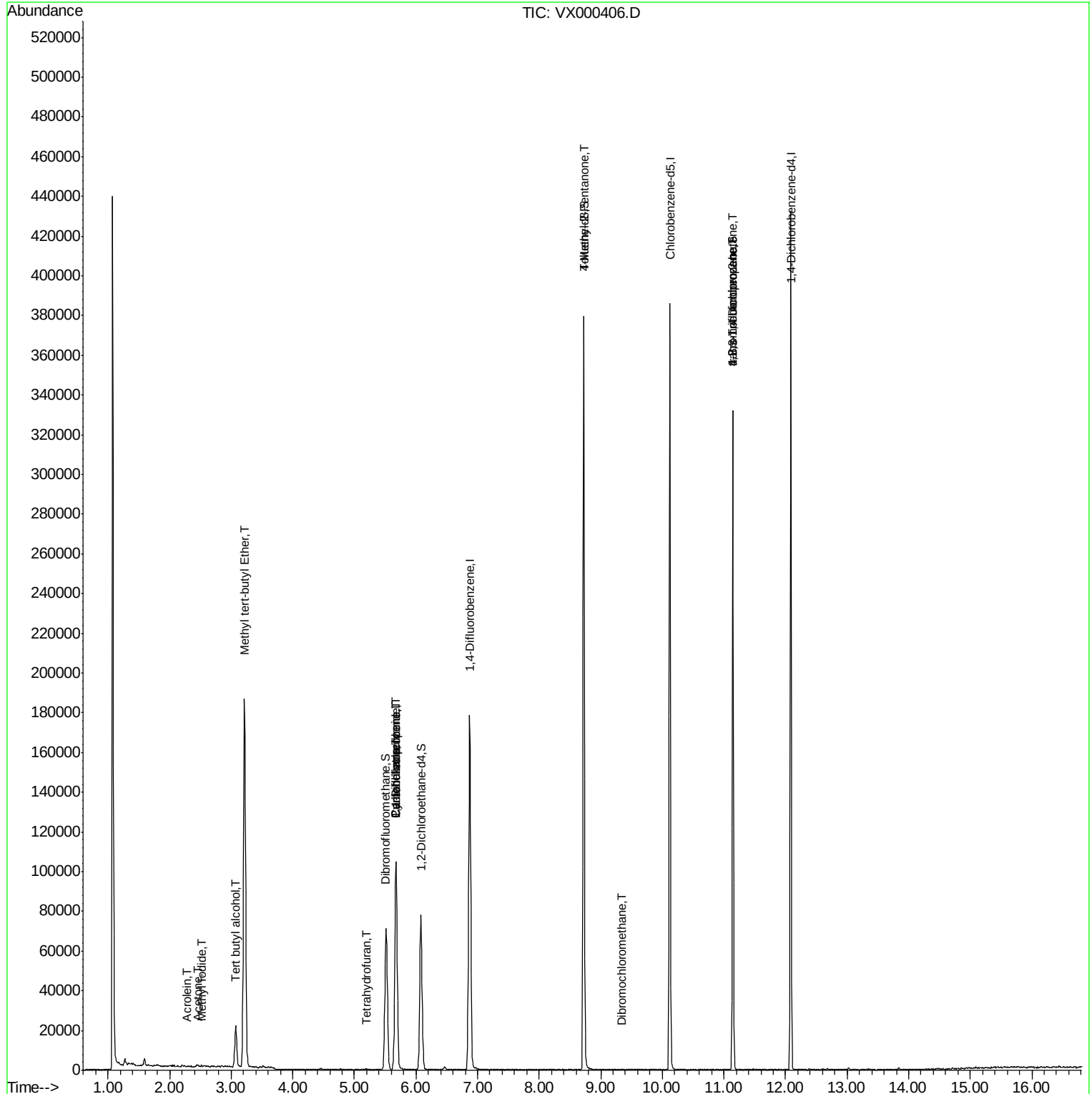
Quant Time: Mar 23 05:44:04 2018

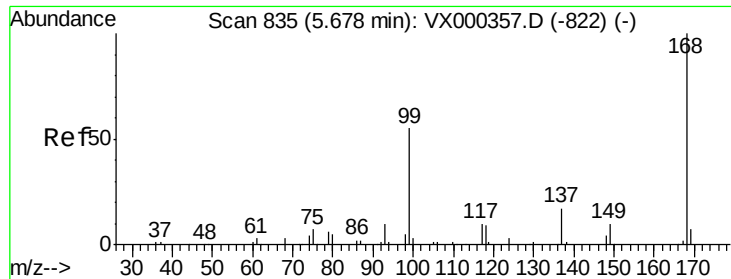
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

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: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

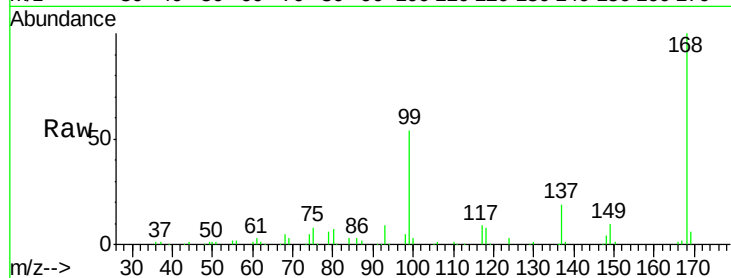
SUMP-031918

Tgt Ion:168 Resp: 99441

Ion Ratio Lower Upper

168 100

99 54.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

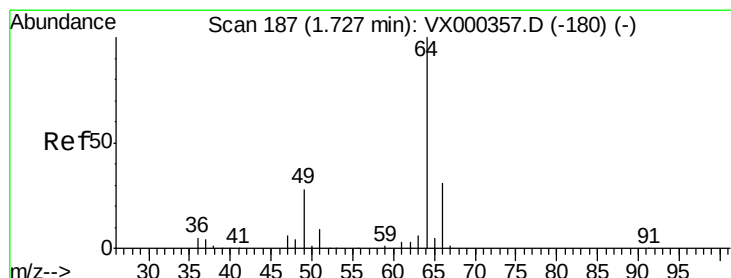
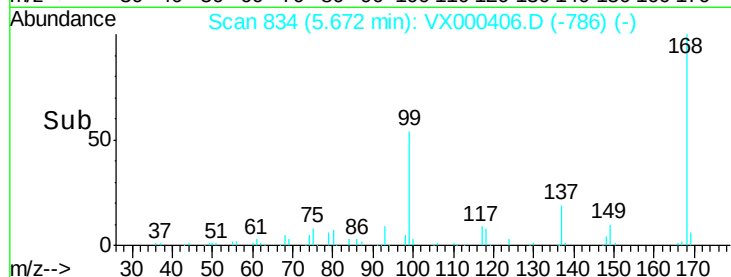
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000406.D

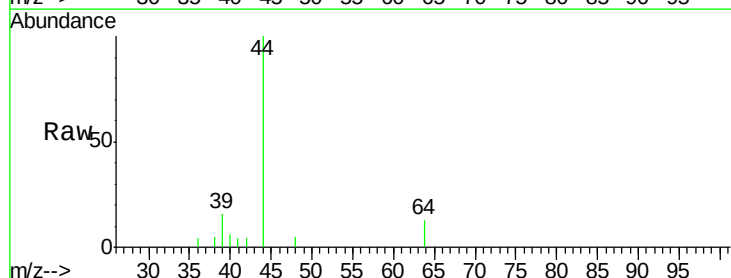
Acq: 22 Mar 2018 15:13

Tgt Ion: 64 Resp: 188

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

1.72

250

200

150

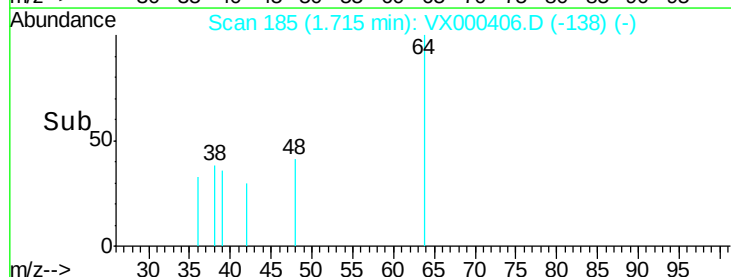
100

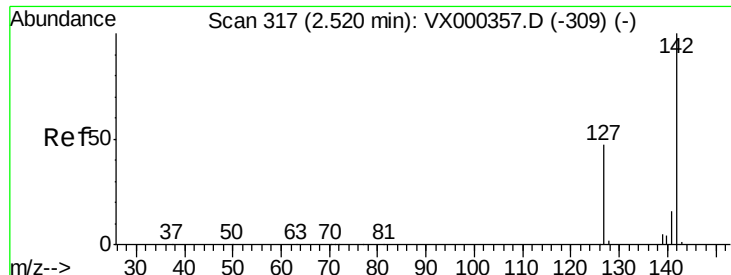
50

0

1.68 1.70 1.72

Time-->

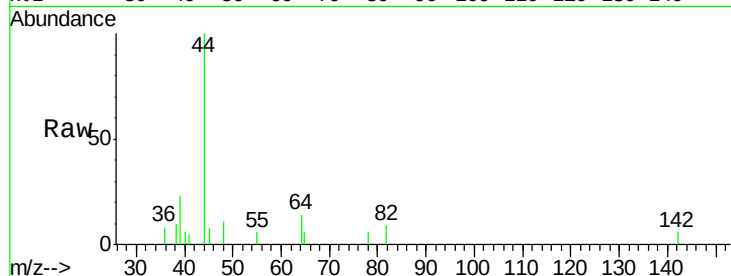




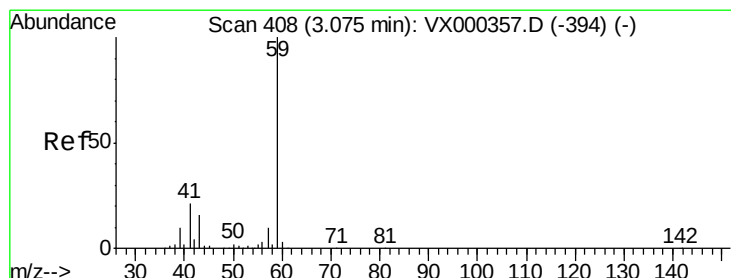
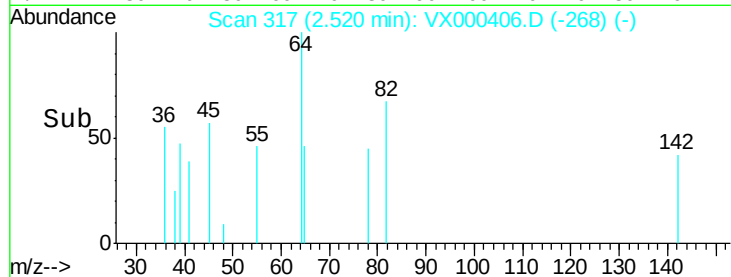
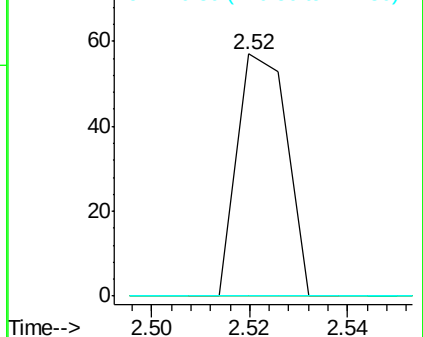
#10
Methyl Iodide
Concen: 4.31 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

Instrument :
MSVOA_X
ClientSampleId :
SUMP-031918

Tgt Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

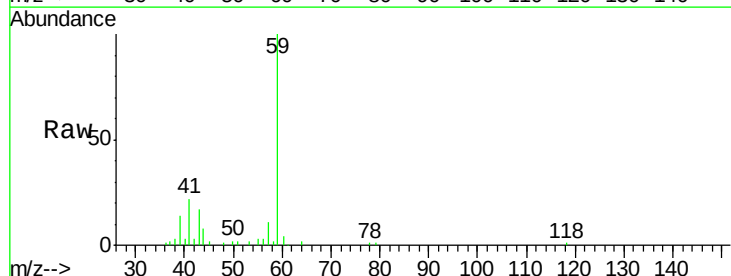


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

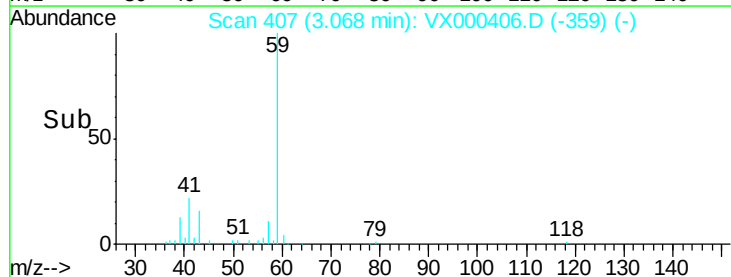
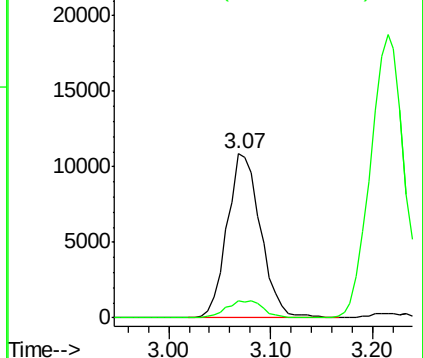


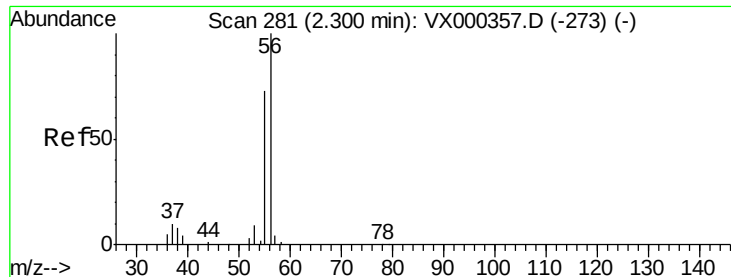
#11
Tert butyl alcohol
Concen: 55.54 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

Tgt Ion: 59 Resp: 24797
Ion Ratio Lower Upper
59 100
57 11.2 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: 14.71 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

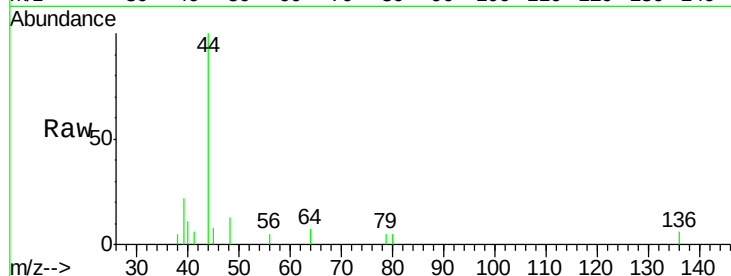
SUMP-031918

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

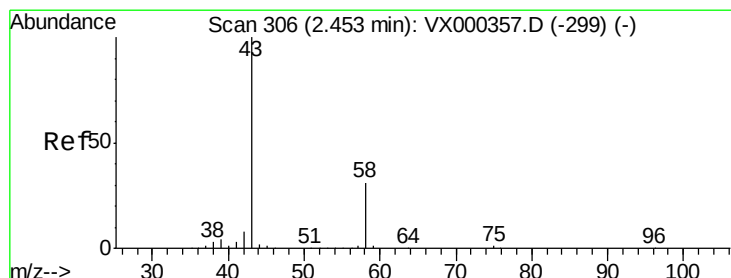
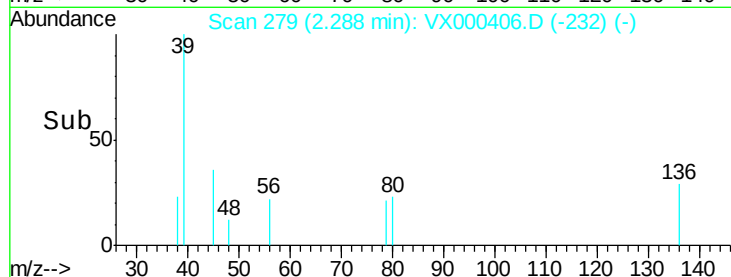
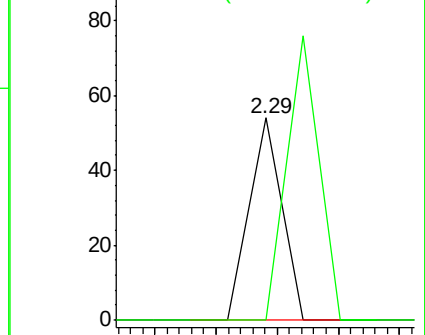
56 100

55 140.0 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: 0.50 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000406.D

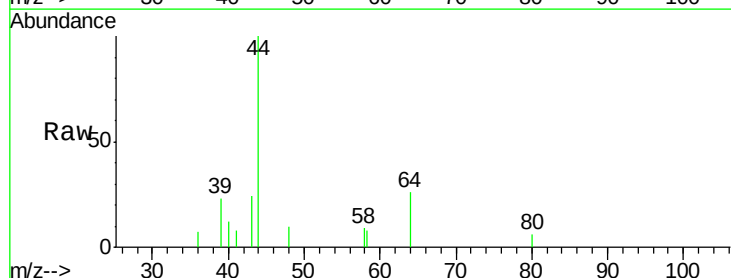
Acq: 22 Mar 2018 15:13

Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

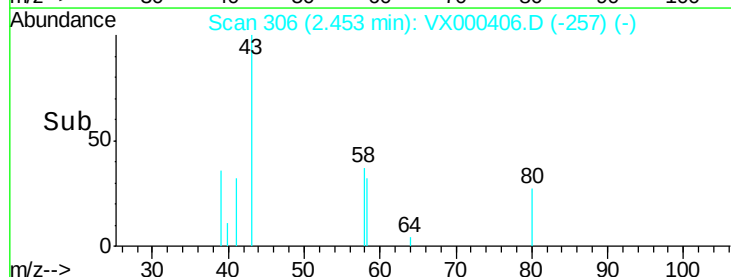
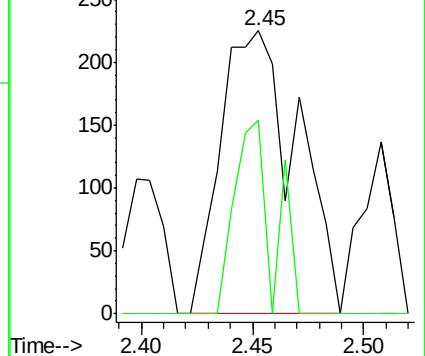
43 100

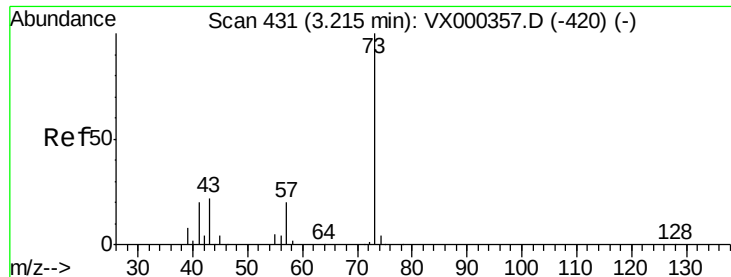
58 68.4 24.7 37.1#



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: 52.14 ug/l

RT: 3.21 min Scan# 431

Delta R.T. -0.00 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

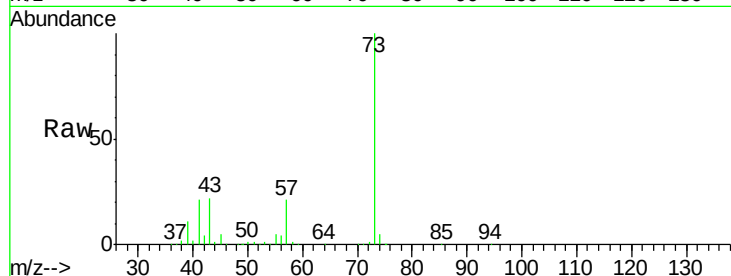
SUMP-031918

Tgt Ion: 73 Resp: 207846

Ion Ratio Lower Upper

73 100

57 21.0 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

80000

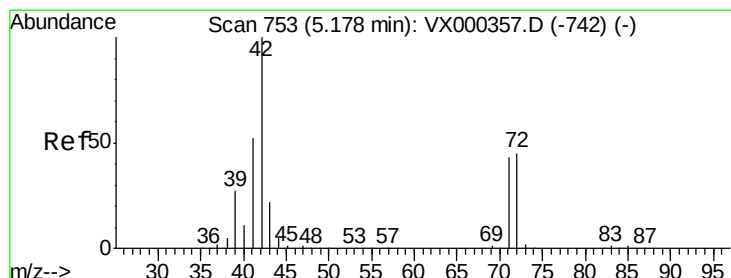
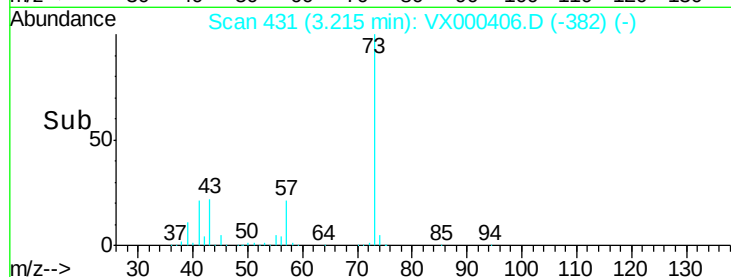
60000

40000

20000

0

Time-->



#29

Tetrahydrofuran

Concen: 0.59 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

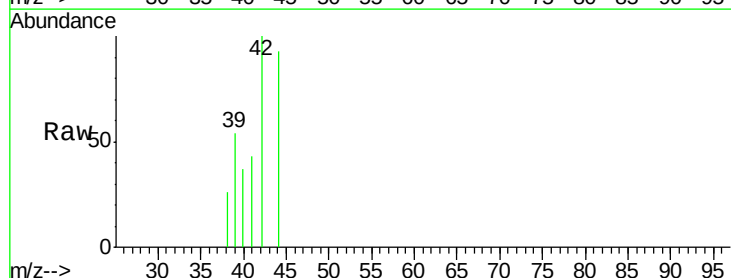
Tgt Ion: 42 Resp: 437

Ion Ratio Lower Upper

42 100

72 6.4 37.9 56.9#

71 4.8 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

5.20

250

200

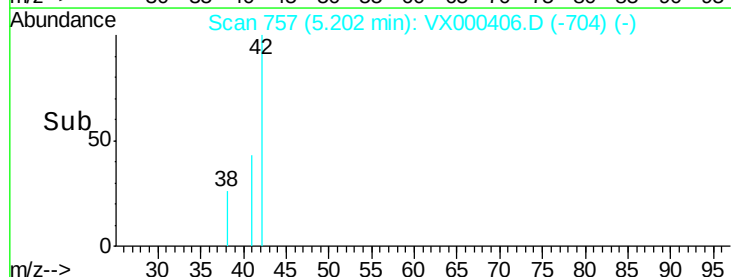
150

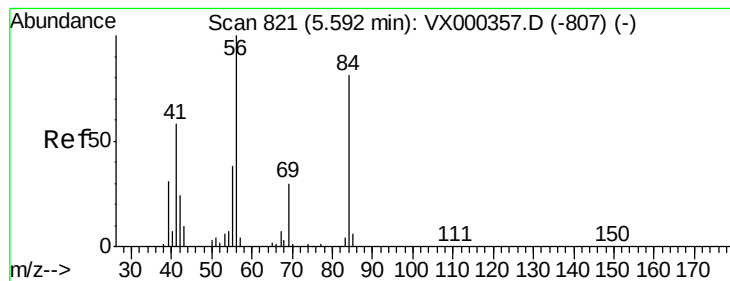
100

50

0

Time-->





#31

Cyclohexane

Concen: 1.59 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

SUMP-031918

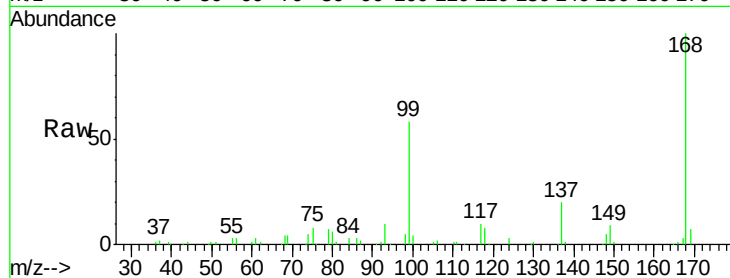
Tgt Ion: 56 Resp: 2604

Ion Ratio Lower Upper

56 100

69 124.4 23.4 35.0#

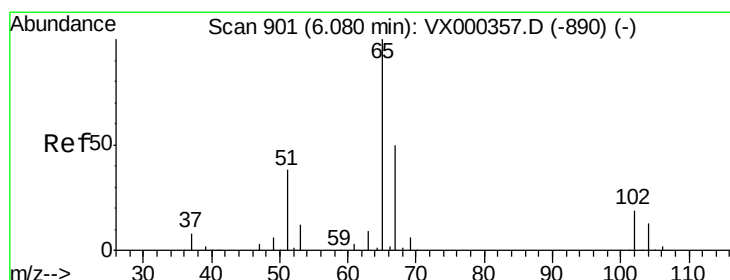
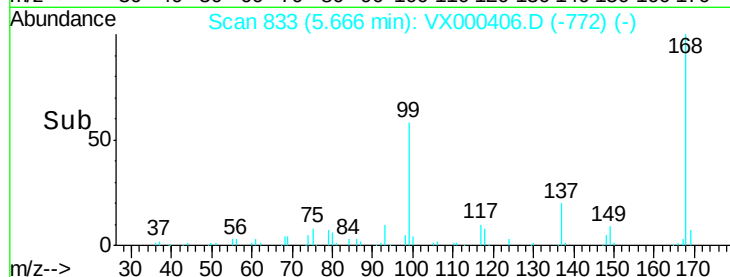
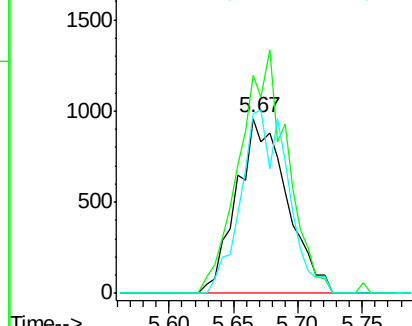
84 102.7 71.0 106.4



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: 55.67 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000406.D

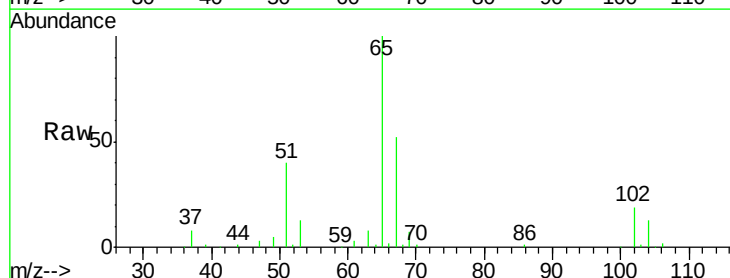
Acq: 22 Mar 2018 15:13

Tgt Ion: 65 Resp: 72269

Ion Ratio Lower Upper

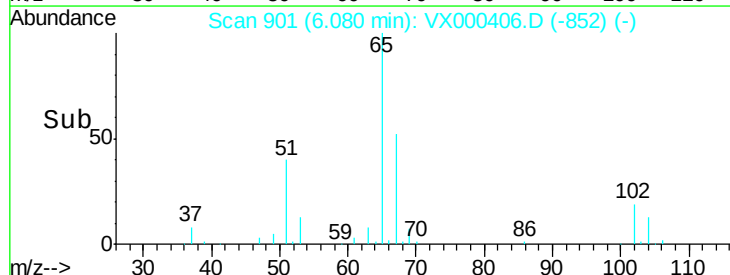
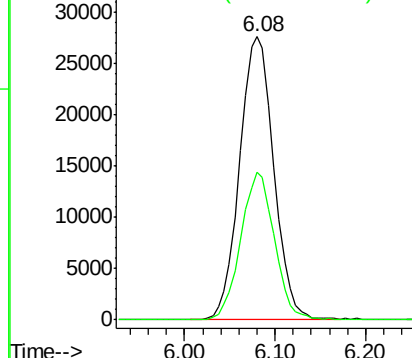
65 100

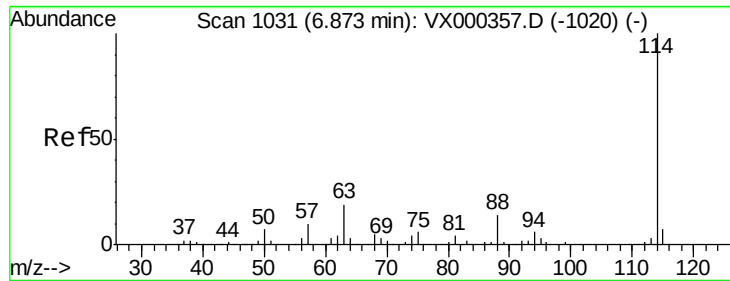
67 51.3 0.0 103.2



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: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

SUMP-031918

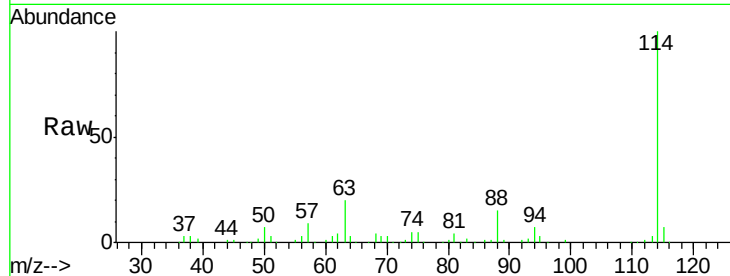
Tgt Ion:114 Resp: 175964

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

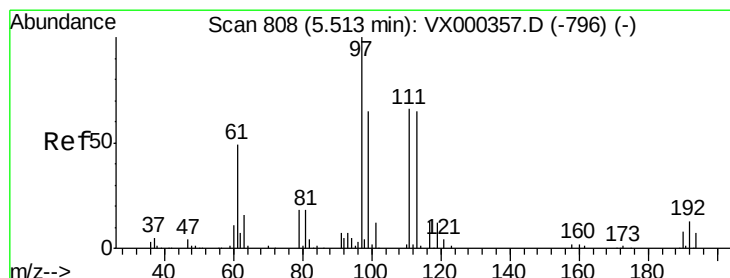
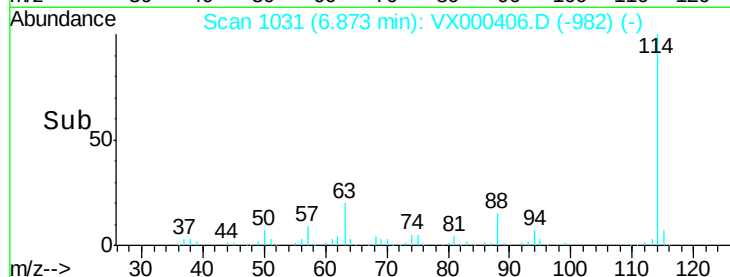
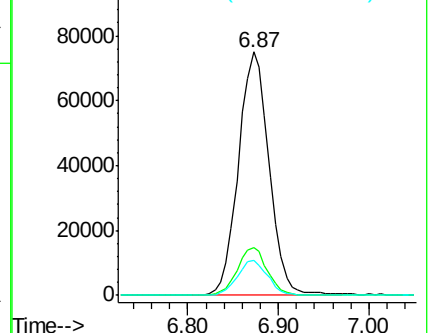
88 14.6 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.97 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

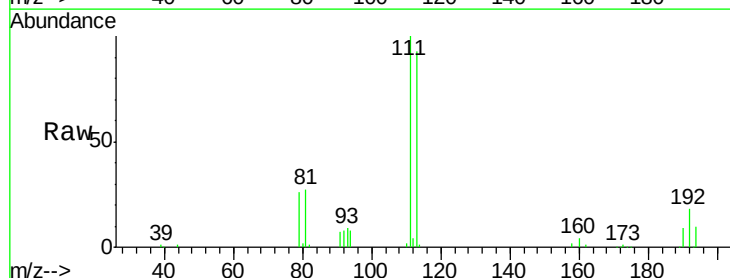
Tgt Ion:113 Resp: 56515

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

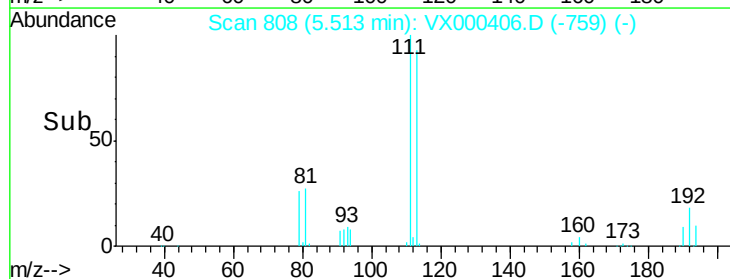
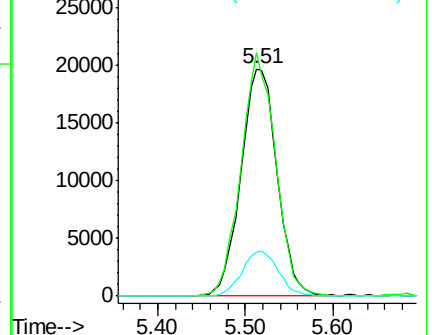
192 20.1 15.8 23.6

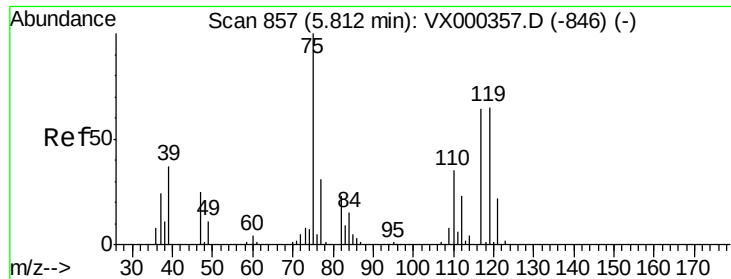


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

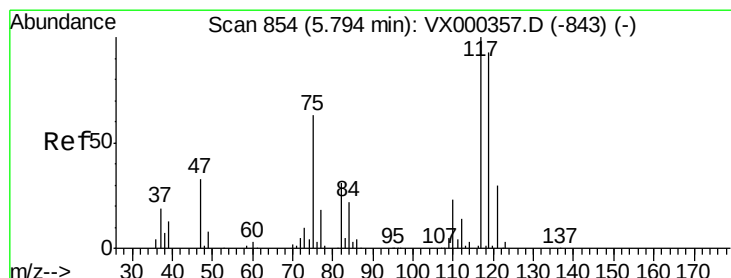
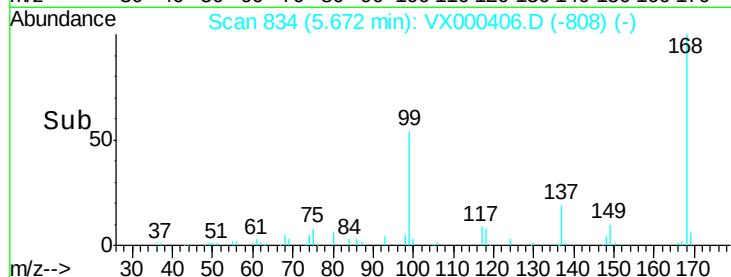
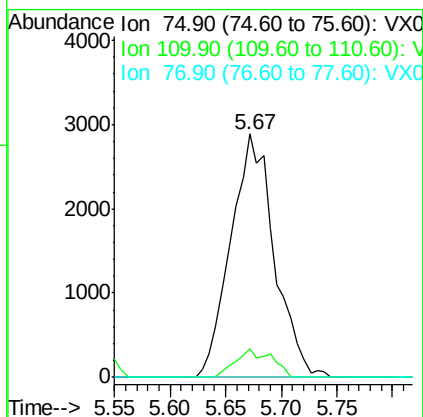
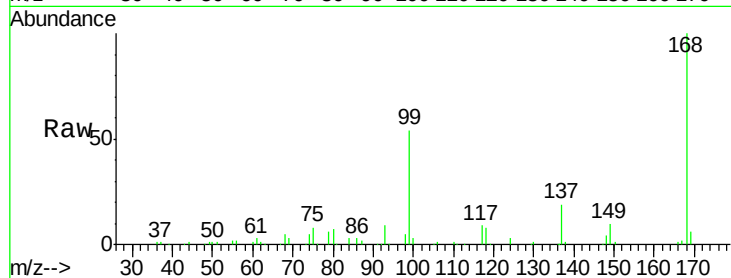




#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000406.D
 Acq: 22 Mar 2018 15:13

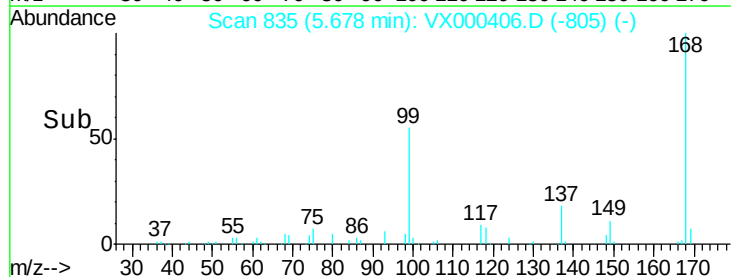
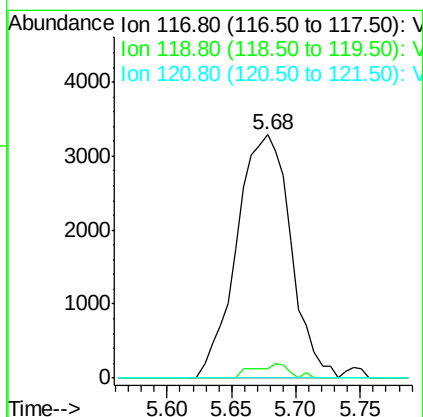
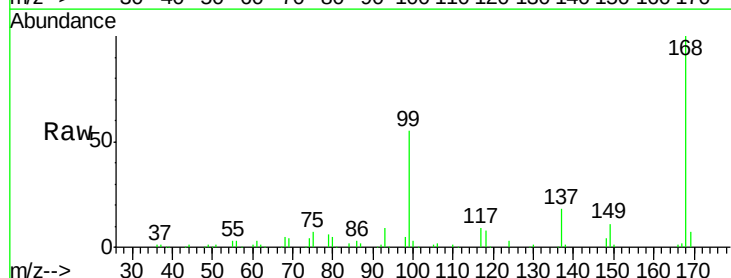
Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-031918

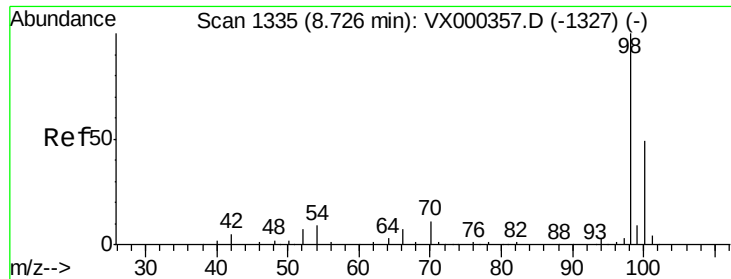
Tgt Ion: 75 Resp: 7844
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.53 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000406.D
 Acq: 22 Mar 2018 15:13

Tgt Ion: 117 Resp: 9559
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.4 116.2#
 121 0.0 24.8 37.2#

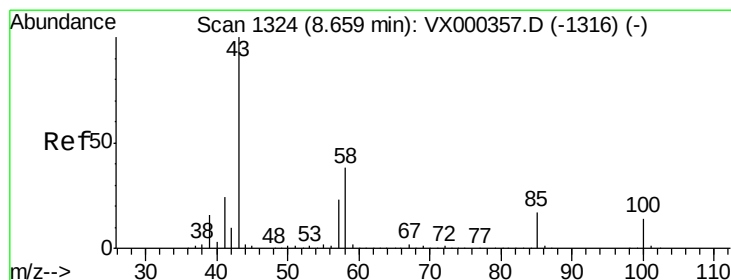
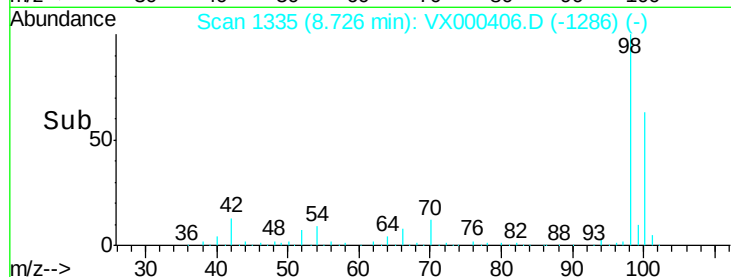
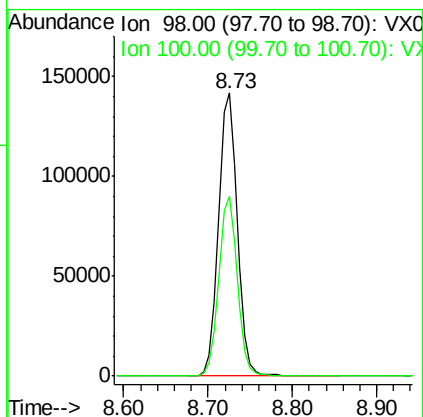
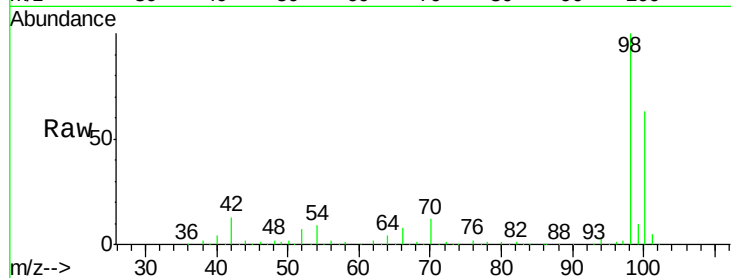




#50
Toluene-d8
Concen: 48.10 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

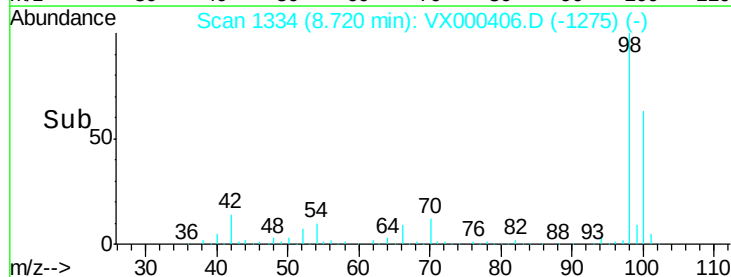
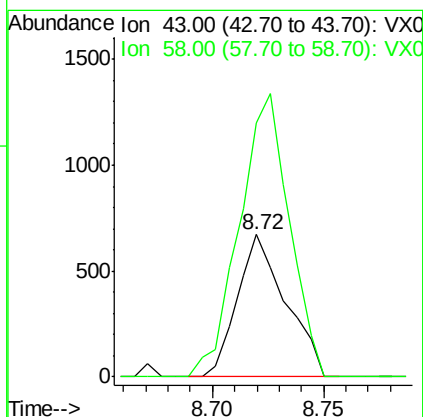
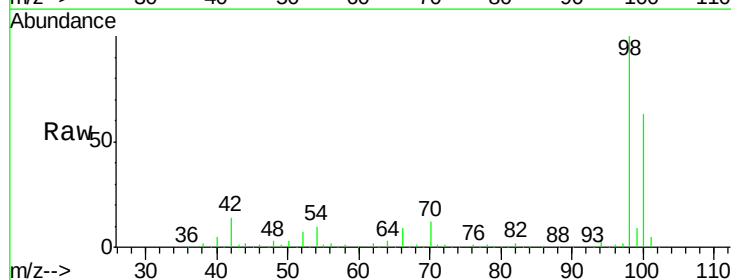
Instrument :
MSVOA_X
ClientSampleId :
SUMP-031918

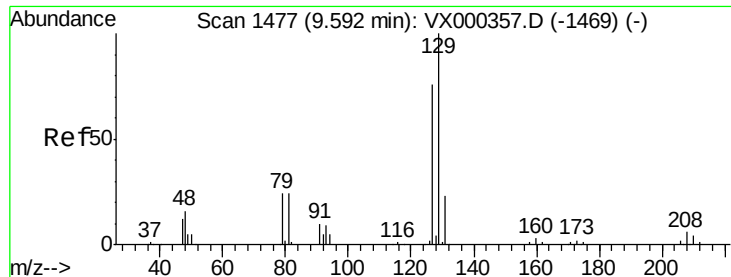
Tgt Ion: 98 Resp: 220894
Ion Ratio Lower Upper
98 100
100 62.5 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 206.0 30.3 45.5#

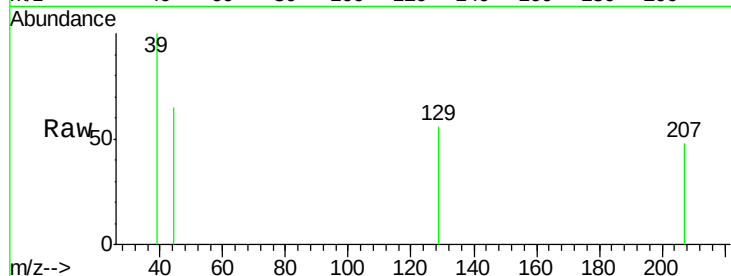




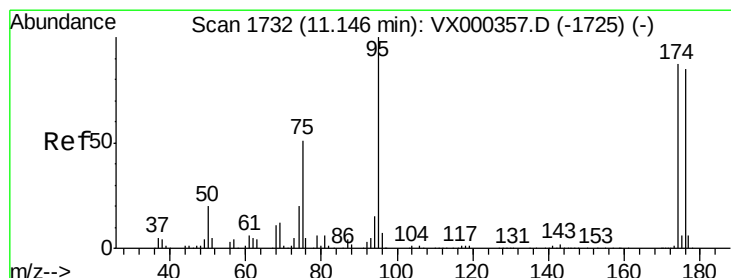
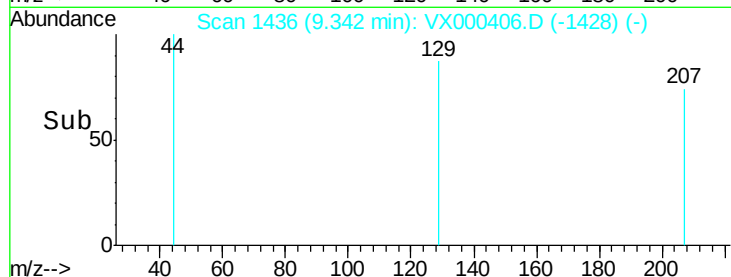
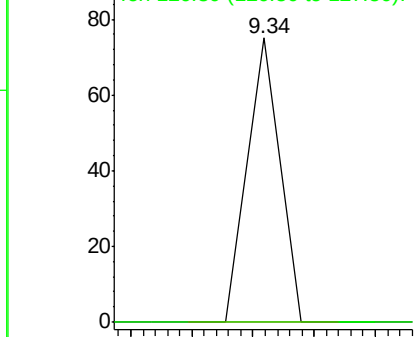
#60
 Dibromochloromethane
 Concen: 4.13 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX000406.D
 Acq: 22 Mar 2018 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-031918

Tgt Ion: 129 Resp: 27
 Ion Ratio Lower Upper
 129 100
 127 0.0 37.9 113.6#

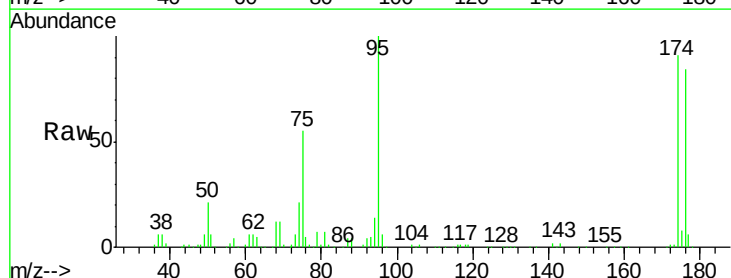


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

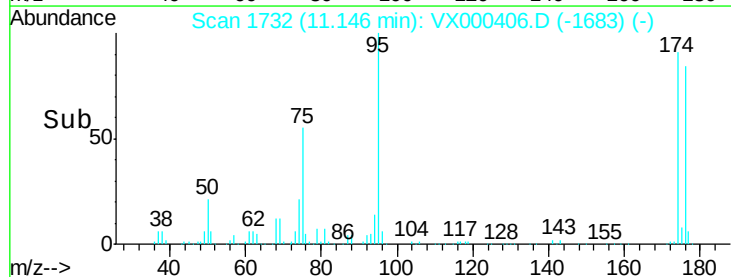
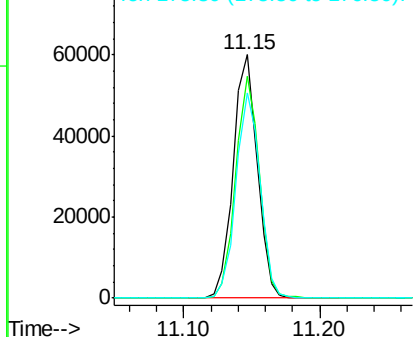


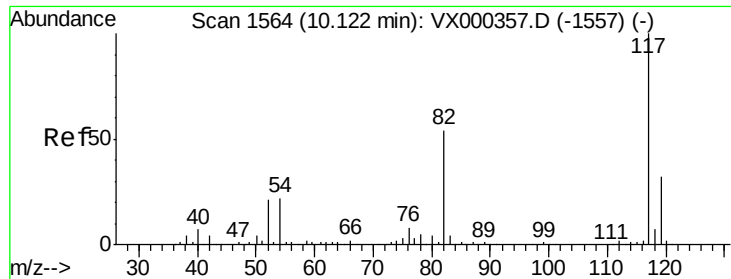
#62
 4-Bromofluorobenzene
 Concen: 39.51 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.00 min
 Lab File: VX000406.D
 Acq: 22 Mar 2018 15:13

Tgt Ion: 95 Resp: 73797
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 173.6
 176 84.4 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

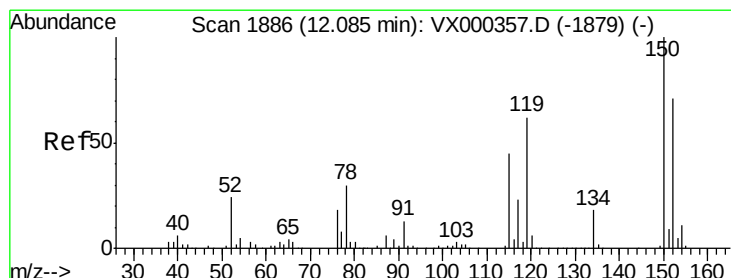
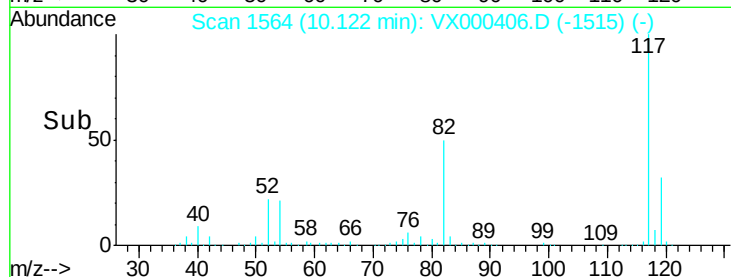
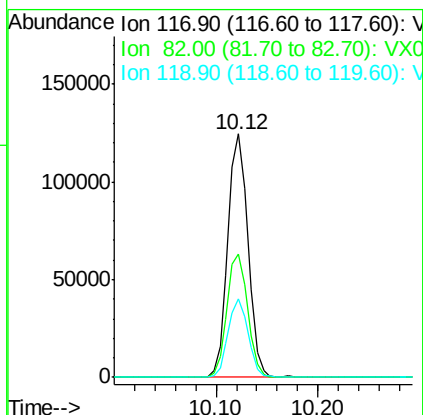
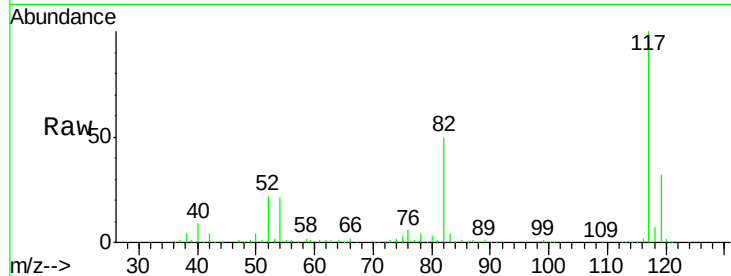




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

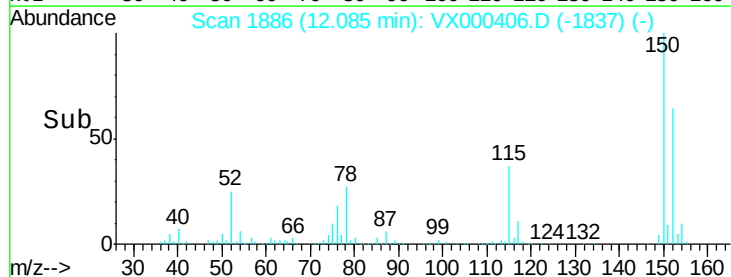
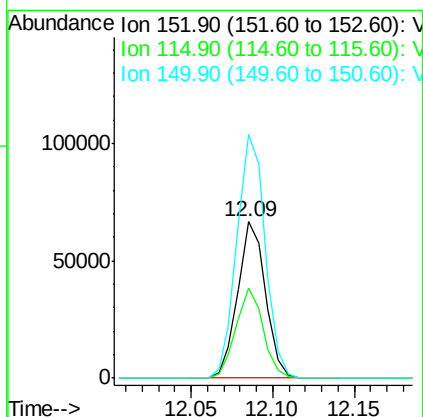
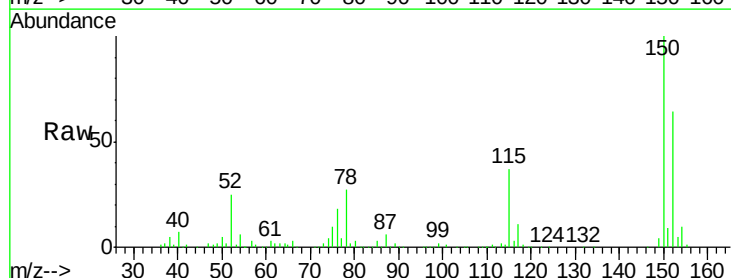
Instrument :
MSVOA_X
ClientSampleId :
SUMP-031918

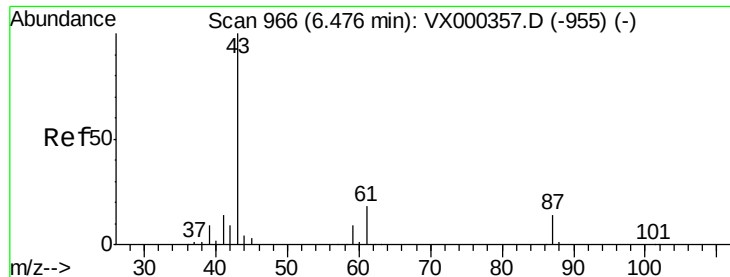
Tgt Ion:117 Resp: 170025
Ion Ratio Lower Upper
117 100
82 50.5 43.8 65.8
119 32.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000406.D
Acq: 22 Mar 2018 15:13

Tgt Ion:152 Resp: 79293
Ion Ratio Lower Upper
152 100
115 56.5 39.8 119.3
150 159.1 0.0 344.4





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

SUMP-031918

Tgt Ion: 43 Resp: 253

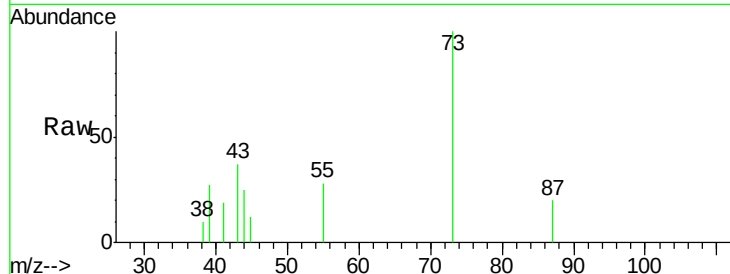
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 164.8 0.0 0.0#

61 0.0 14.4 21.6#

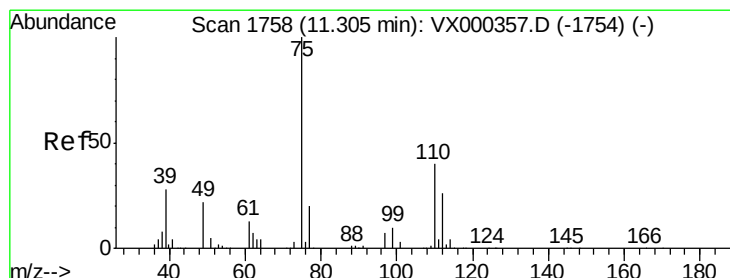
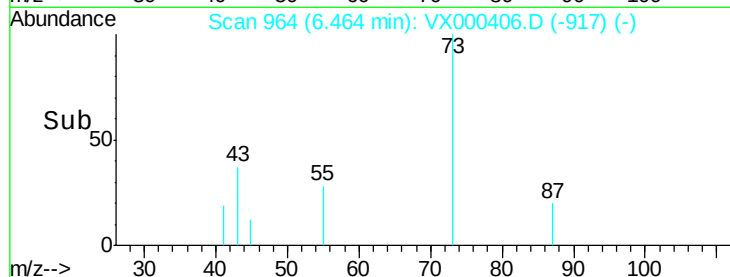
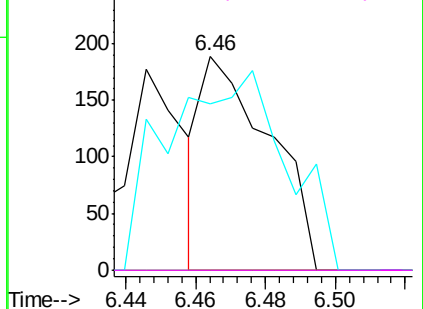


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 25.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000406.D

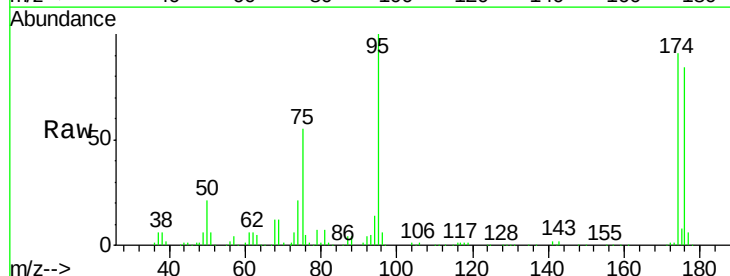
Acq: 22 Mar 2018 15:13

Tgt Ion: 75 Resp: 42684

Ion Ratio Lower Upper

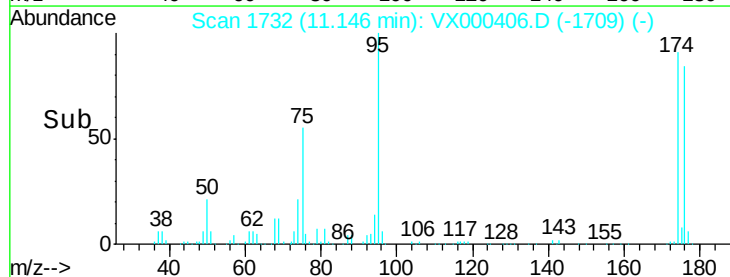
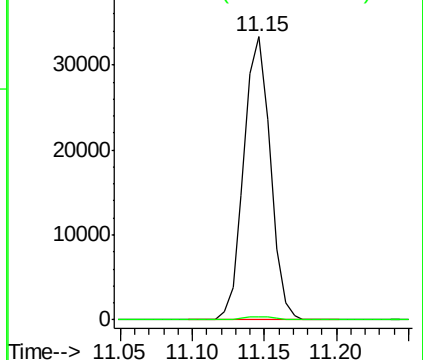
75 100

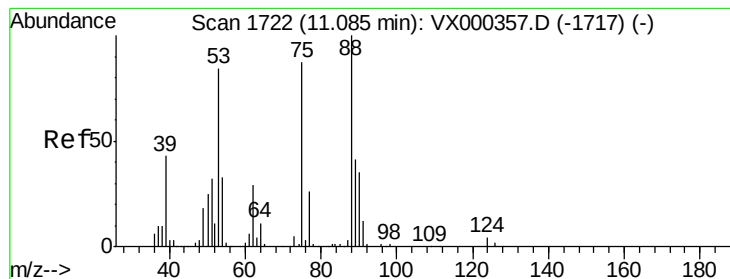
77 1.2 21.4 64.2#



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: 81.09 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000406.D

Acq: 22 Mar 2018 15:13

Instrument :

MSVOA_X

ClientSampleId :

SUMP-031918

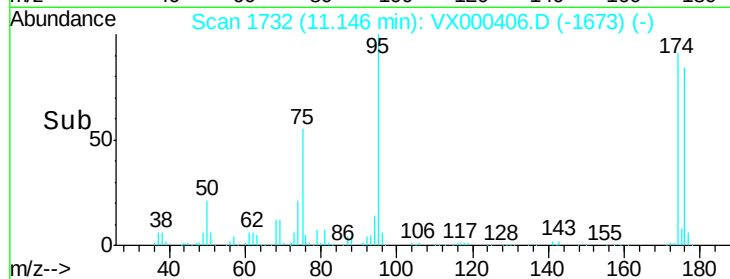
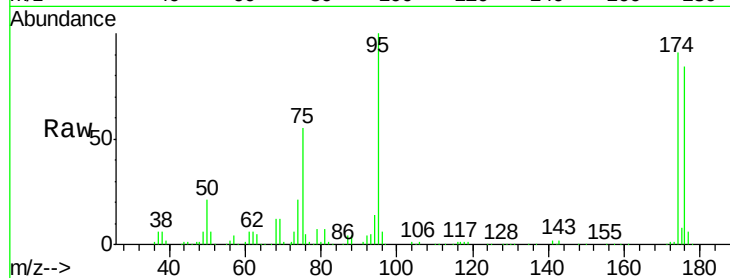
Tgt Ion: 75 Resp: 42684

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

