

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070518\
 Data File : VX003203.D
 Acq On : 06 Jul 2018 05:54
 Operator : JC/MD
 Sample : J3844-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

Quant Time: Jul 06 07:35:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	379368	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195878	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174041	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
35) Dibromofluoromethane	5.51	113	148374	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.72	98	519942	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.14	95	184618	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	105	Below Cal	#	45
3) Chloromethane	1.32	50	1059	Below Cal	#	84
4) Vinyl Chloride	1.40	62	75986	24.55	ug/l	98
5) Bromomethane	1.65	94	1379	Below Cal		93
6) Chloroethane	1.73	64	631	Below Cal	#	51
10) Methyl Iodide	2.52	142	23072	12.81	ug/l	97
11) Tert butyl alcohol	3.07	59	4642	6.16	ug/l	97
13) Acrolein	2.29	56	342	5.03	ug/l	# 79
16) Acetone	2.45	43	17977	11.48	ug/l	97
17) Carbon Disulfide	2.57	76	1513	0.21	ug/l	# 85
18) Methyl Acetate	2.78	43	935	0.21	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	5503	1.87	ug/l	96
24) 1,1-Dichloroethane	3.70	63	14167	2.56	ug/l	93
25) 2-Butanone	4.72	43	4270	1.84	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	140482	42.62	ug/l	81
29) Tetrahydrofuran	5.17	42	307	0.21	ug/l	# 58
31) Cyclohexane	5.67	56	4867	1.03	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16523	3.97	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24139	5.29	ug/l	# 16
40) Benzene	6.15	78	42032	3.48	ug/l	95
42) 1,2-Dichloroethane	6.21	62	6072	1.24	ug/l	97
44) Trichloroethene	7.21	130	761	0.21	ug/l	91
49) 1,4-Dioxane	7.77	88	215	2.85	ug/l	# 1
52) Toluene	8.79	92	8737	1.13	ug/l	99
59) 2-Hexanone	9.32	43	8148	2.28	ug/l	81
65) Chlorobenzene	10.14	112	924040	103.04	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	92211	25.99	ug/l	# 33
79) 2-Chlorotoluene	11.42	91	2001	0.22	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.14	75	92211	73.70	ug/l	# 7
87) 1,3-Dichlorobenzene	12.03	146	23177	3.38	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	51454	7.30	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	50919	7.36	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.17	75	237	0.26	ug/l	# 1

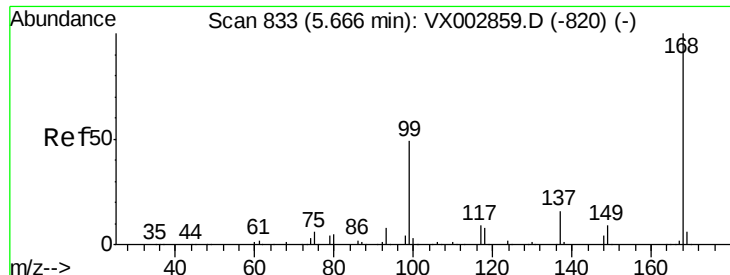
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
Data File : VX003203.D
Acq On : 06 Jul 2018 05:54
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Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

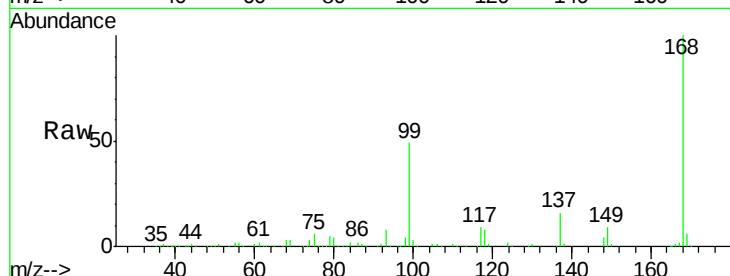
WP022MW359-180702

Tot Ion:168 Resp: 273656

Ion Ratio Lower Upper

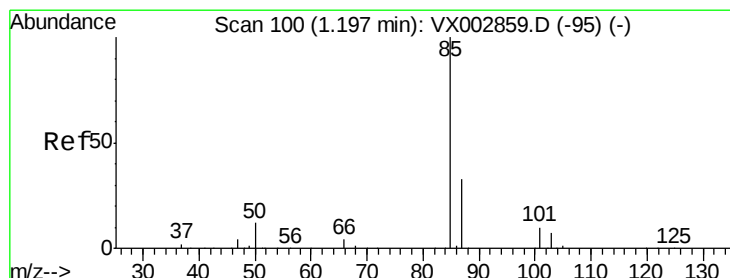
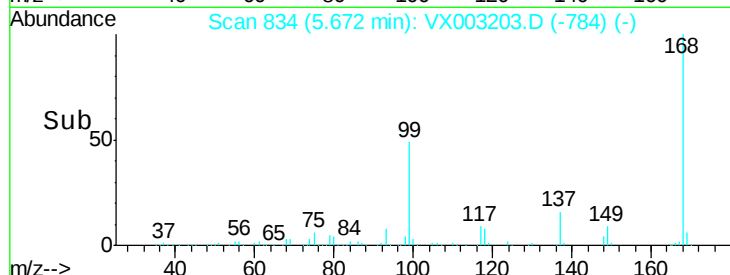
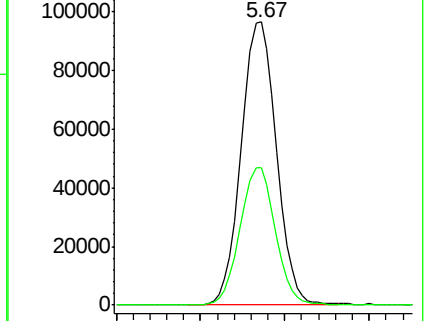
168 100

99 48.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003203.D

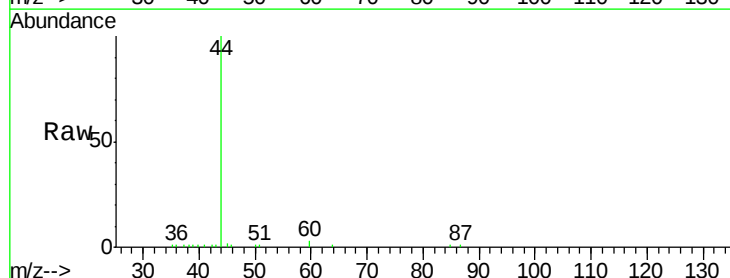
Acq: 06 Jul 2018 05:54

Tgt Ion: 85 Resp: 105

Ion Ratio Lower Upper

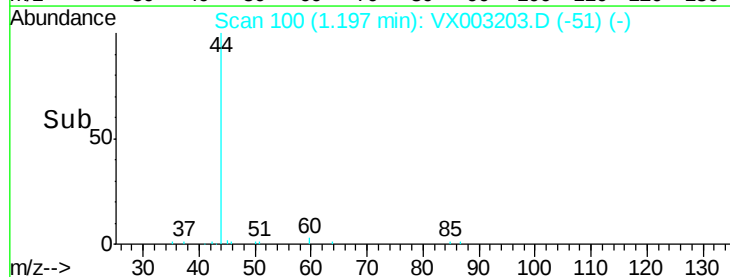
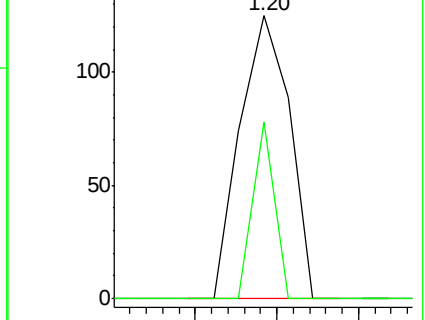
85 100

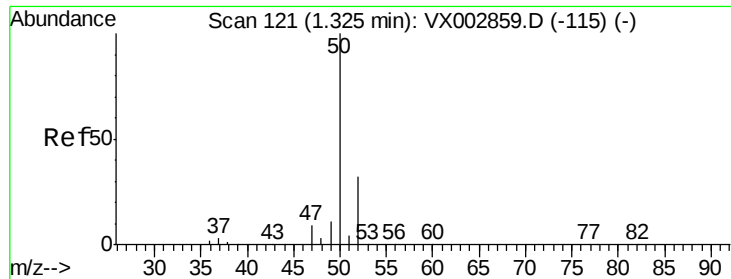
87 62.4 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

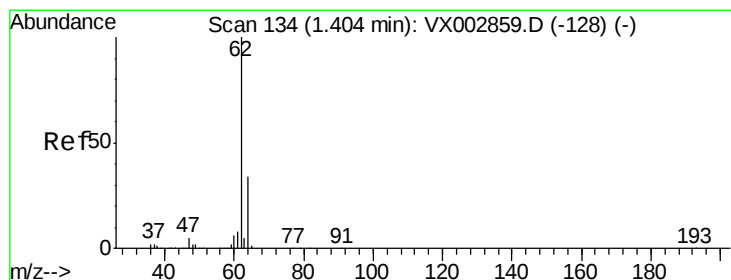
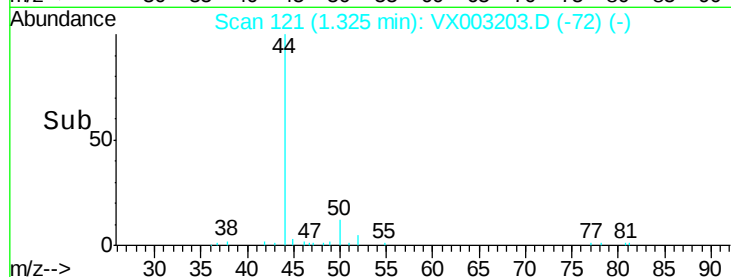
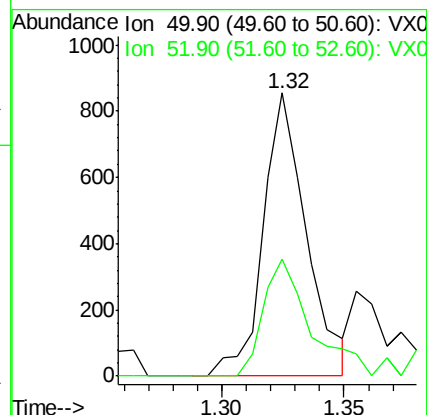
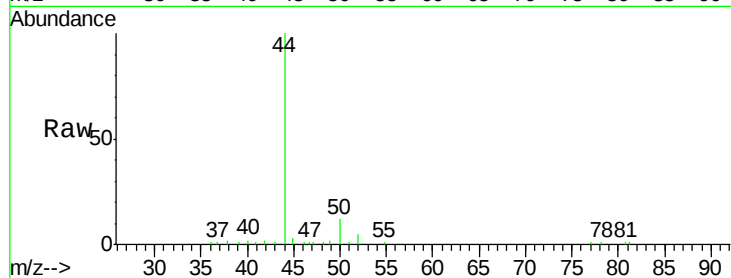
WP022MW359-180702

Tot Ion: 50 Resp: 1059

Ion Ratio Lower Upper

50 100

52 41.3 25.7 38.5#



#4

Vinyl Chloride

Concen: 24.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003203.D

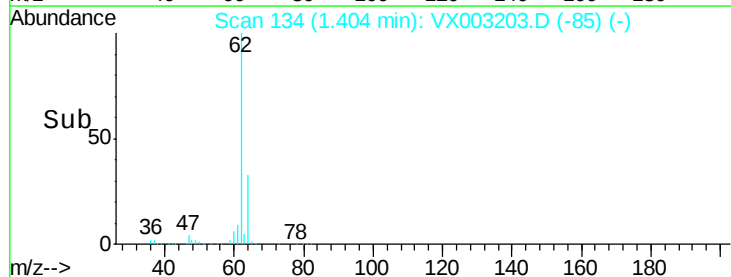
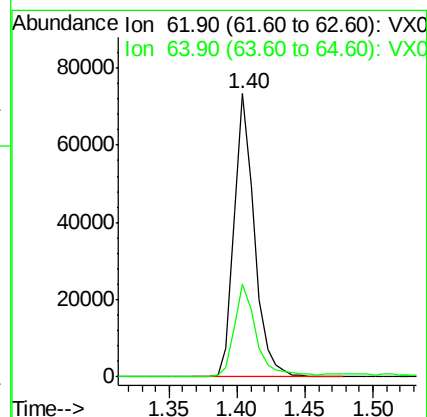
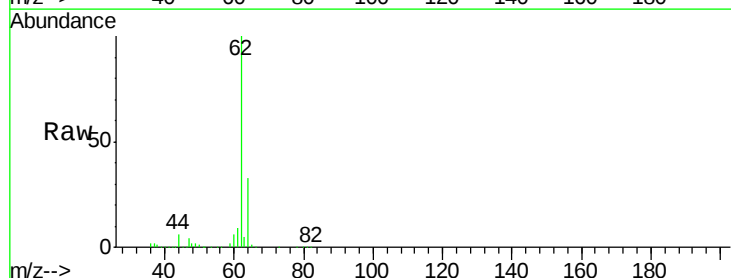
Acq: 06 Jul 2018 05:54

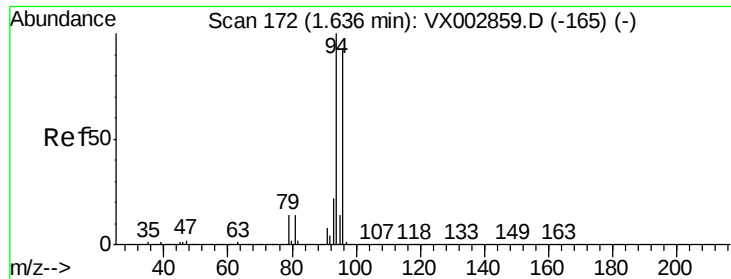
Tgt Ion: 62 Resp: 75986

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

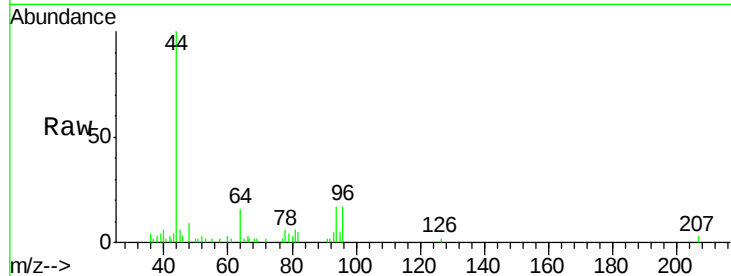
WP022MW359-180702

Tot Ion: 94 Resp: 1379

Ion Ratio Lower Upper

94 100

96 100.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

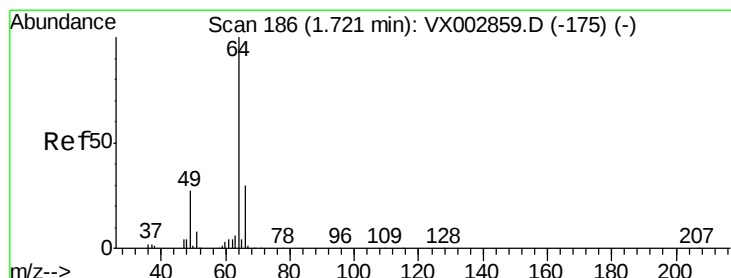
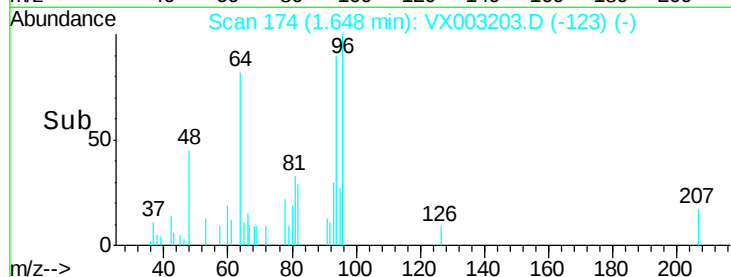
400

200

0

1.65

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003203.D

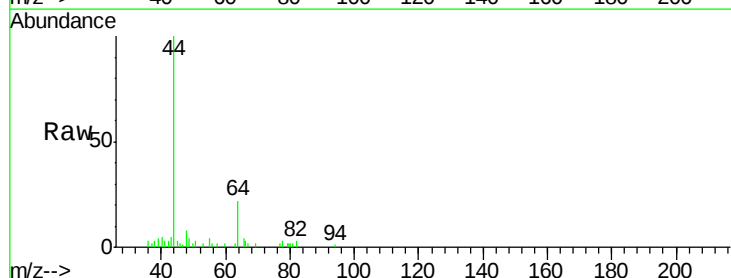
Acq: 06 Jul 2018 05:54

Tgt Ion: 64 Resp: 631

Ion Ratio Lower Upper

64 100

66 59.2 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1000

800

600

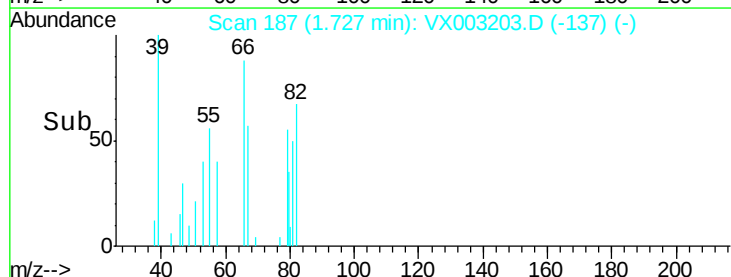
400

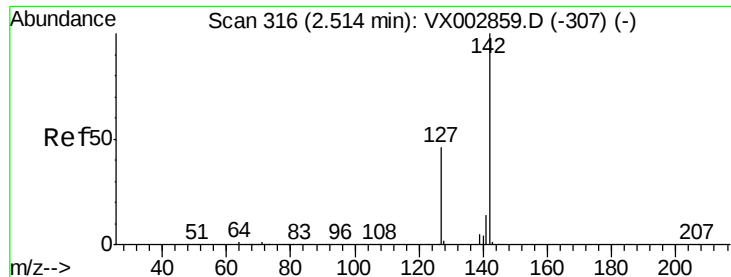
200

0

1.73

Time-->

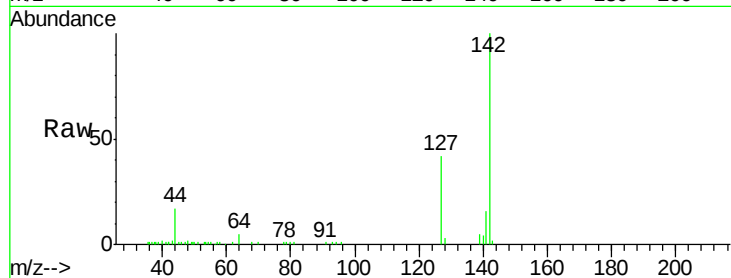




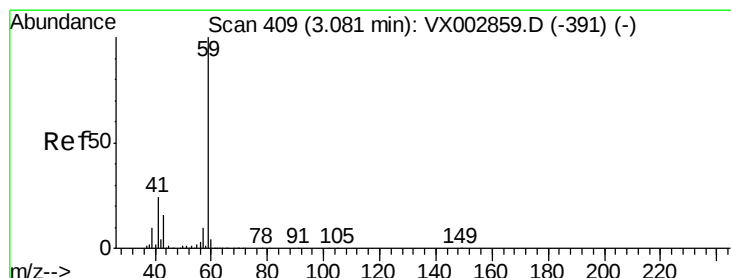
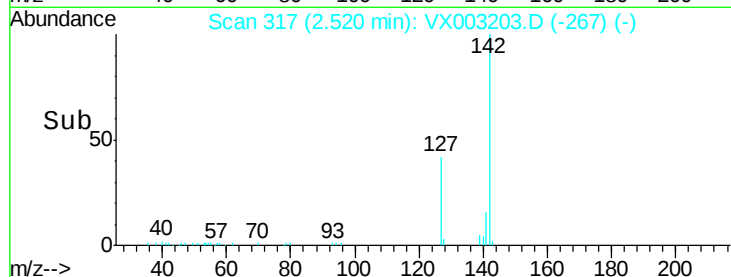
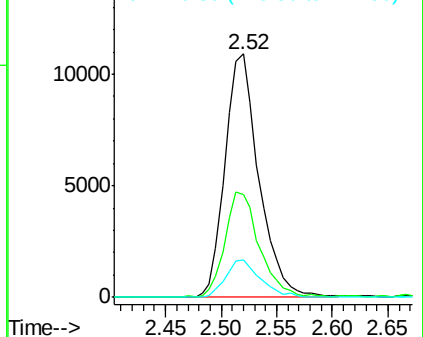
#10
Methyl Iodide
Concen: 12.81 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

Tot Ion:142 Resp: 23072
Ion Ratio Lower Upper
142 100
127 44.0 36.6 55.0
141 15.6 11.3 16.9

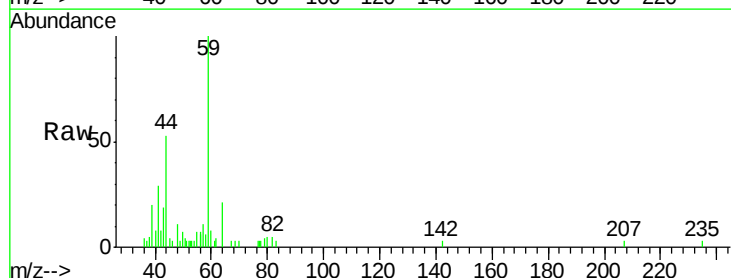


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

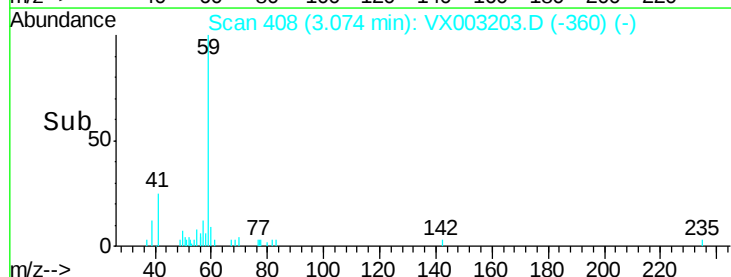
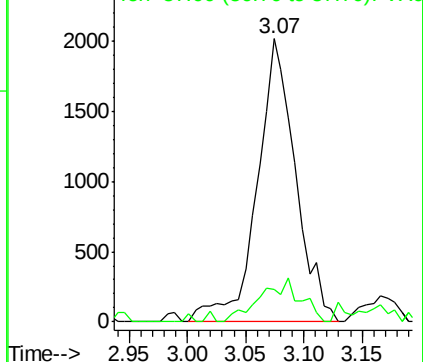


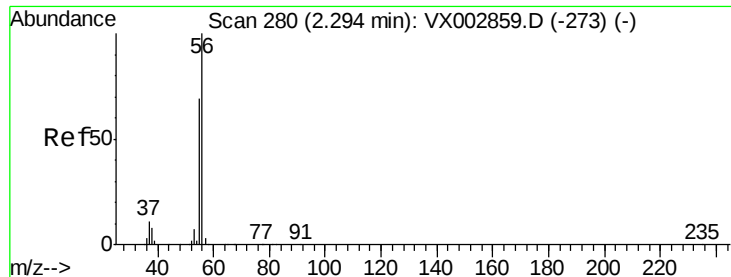
#11
Tert butyl alcohol
Concen: 6.16 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion: 59 Resp: 4642
Ion Ratio Lower Upper
59 100
57 9.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 5.03 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

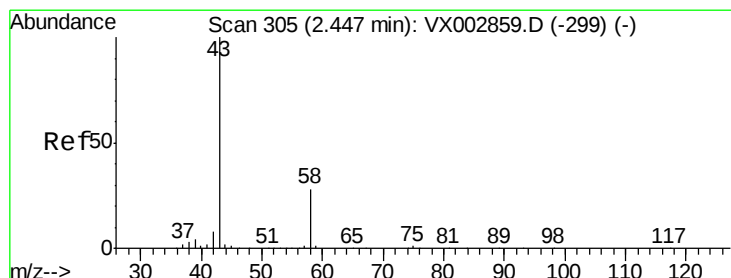
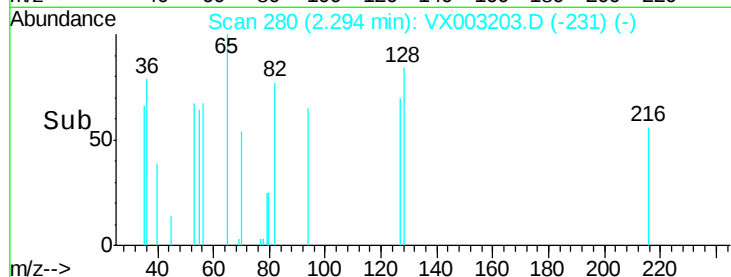
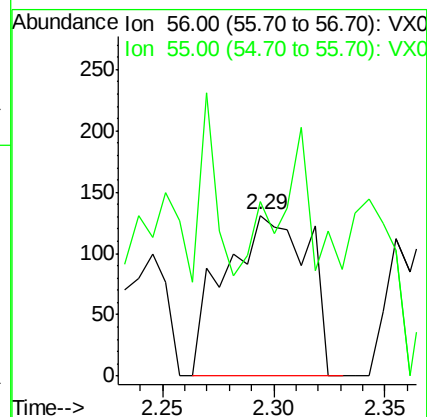
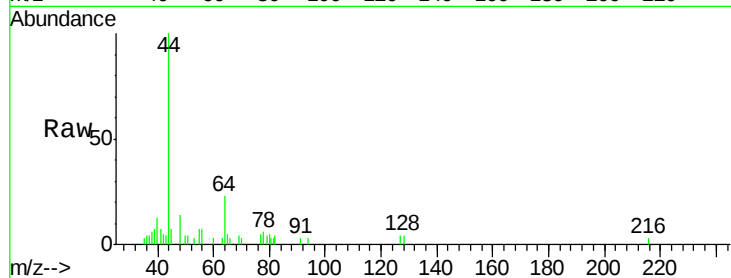
WP022MW359-180702

Tot Ion: 56 Resp: 342

Ion Ratio Lower Upper

56 100

55 54.1 57.0 85.4#



#16

Acetone

Concen: 11.48 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003203.D

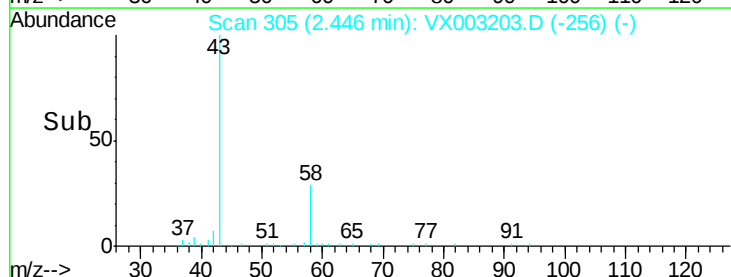
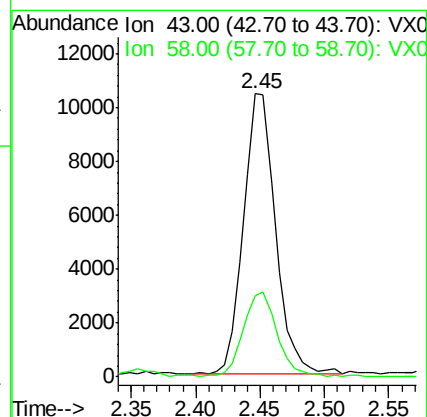
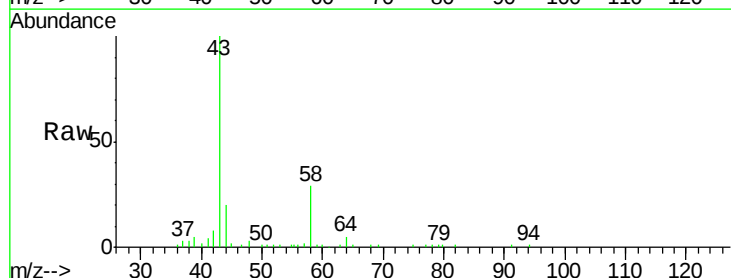
Acq: 06 Jul 2018 05:54

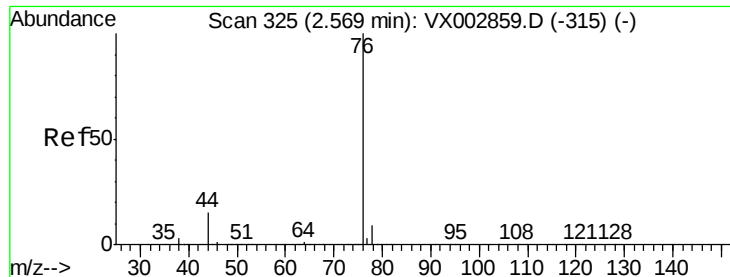
Tgt Ion: 43 Resp: 17977

Ion Ratio Lower Upper

43 100

58 29.1 22.1 33.1

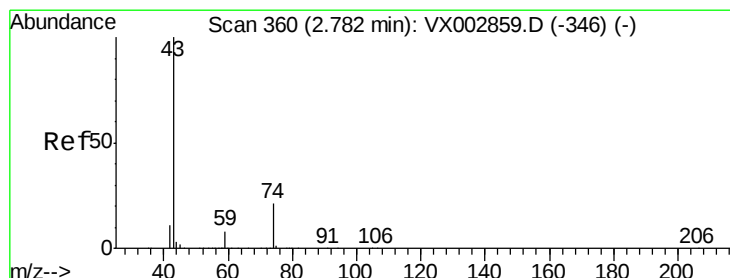
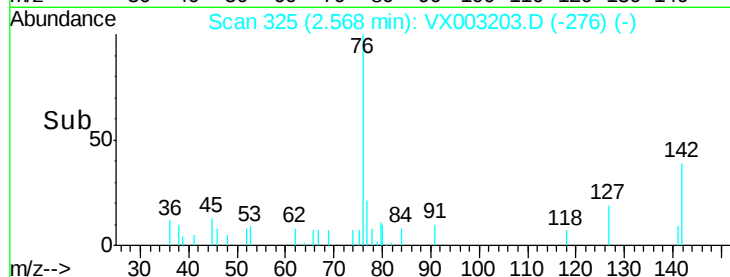
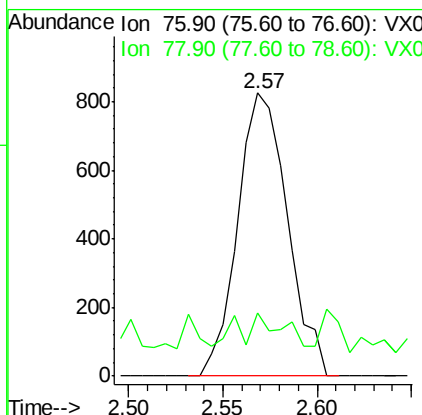
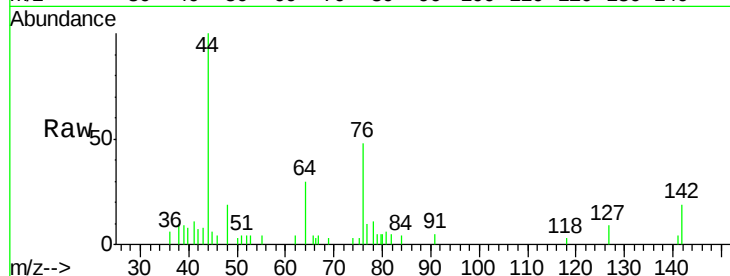




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

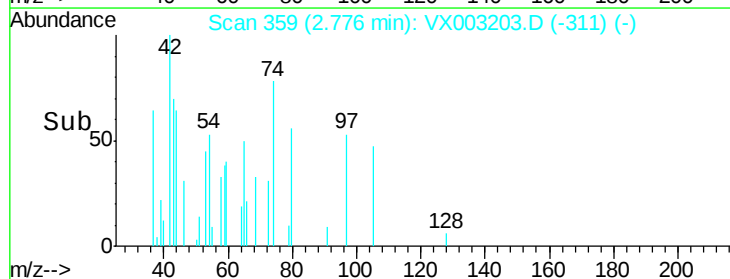
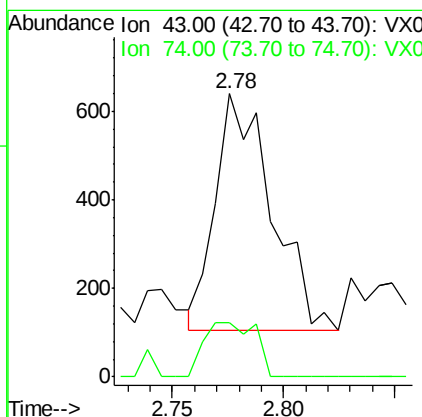
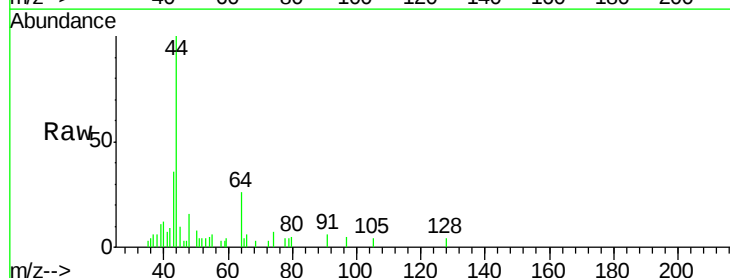
Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

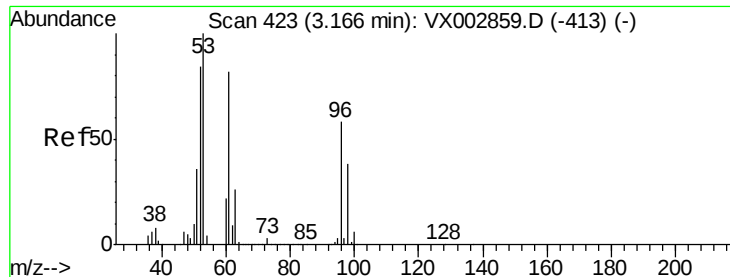
Tot Ion: 76 Resp: 1513
Ion Ratio Lower Upper
76 100
78 3.4 6.9 10.3#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion: 43 Resp: 935
Ion Ratio Lower Upper
43 100
74 21.2 16.7 25.1





#21

trans-1,2-Dichloroethene

Concen: 1.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

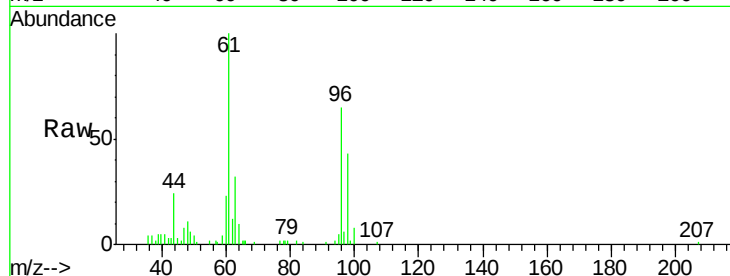
Tot Ion: 96 Resp: 5503

Ion Ratio Lower Upper

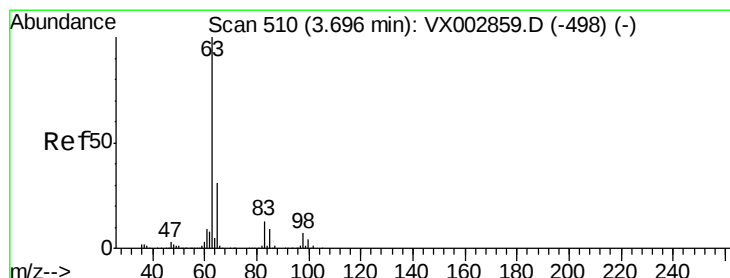
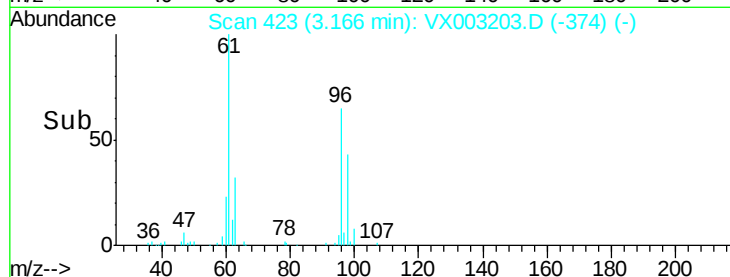
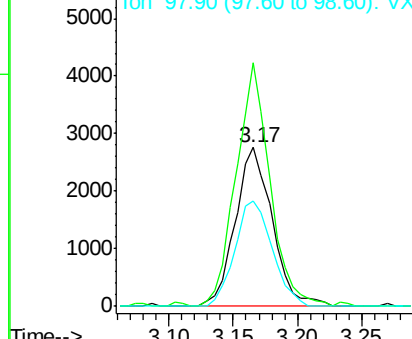
96 100

61 153.5 117.0 175.4

98 66.4 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 2.56 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

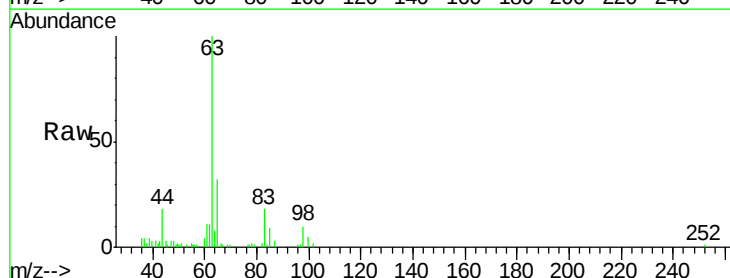
Tgt Ion: 63 Resp: 14167

Ion Ratio Lower Upper

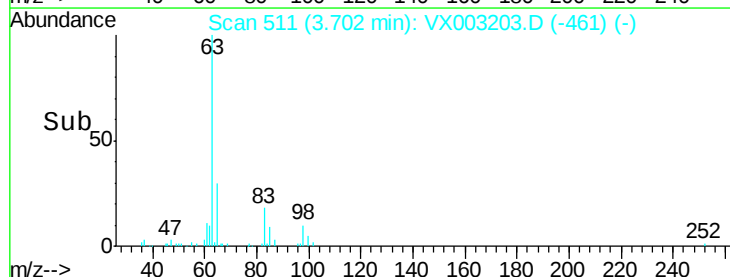
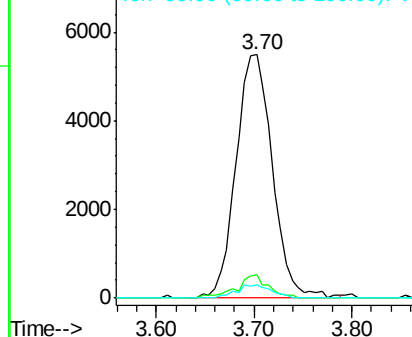
63 100

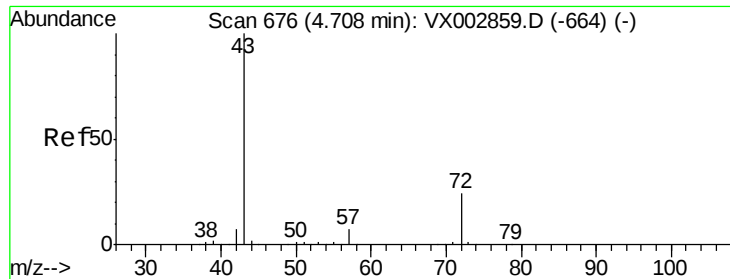
98 9.8 3.4 10.2

100 5.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 1.84 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

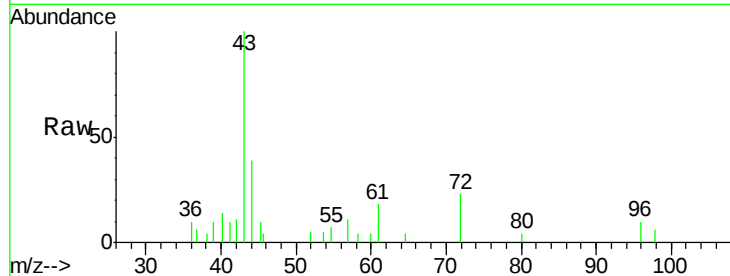
WP022MW359-180702

Tot Ion: 43 Resp: 4270

Ion Ratio Lower Upper

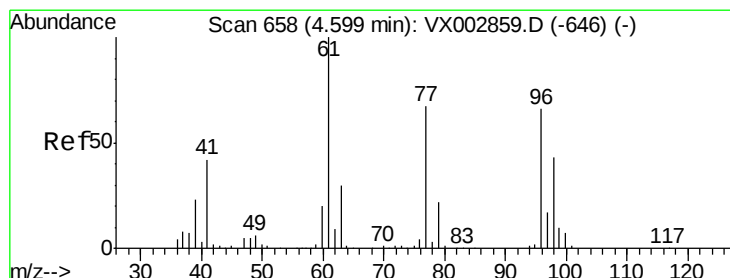
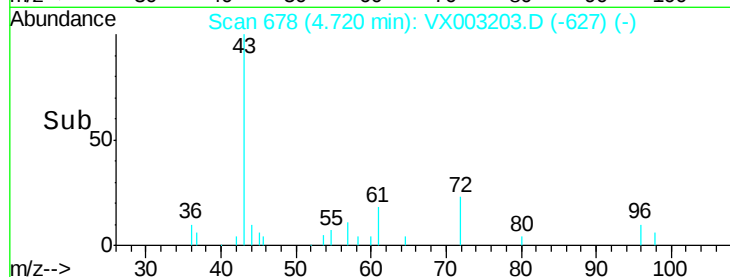
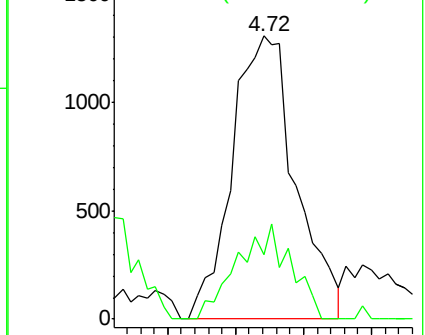
43 100

72 22.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 42.62 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

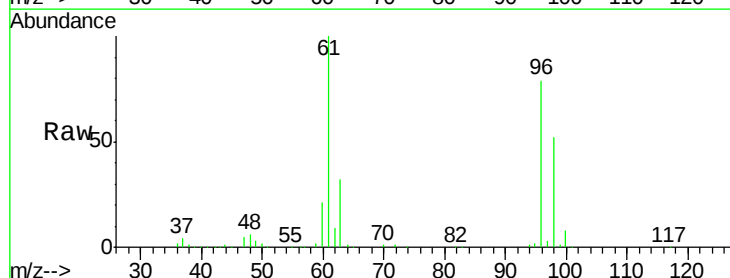
Tgt Ion: 96 Resp: 140482

Ion Ratio Lower Upper

96 100

61 129.6 0.0 330.2

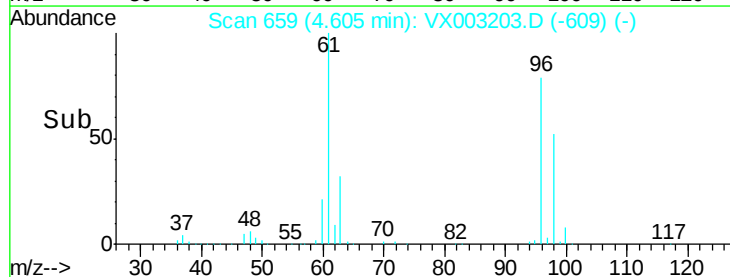
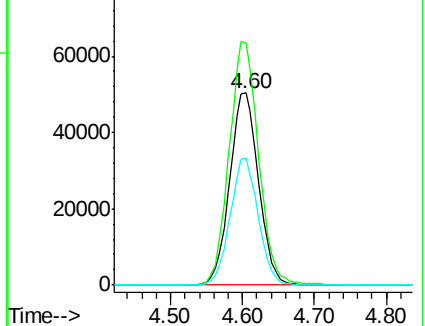
98 64.1 0.0 130.2

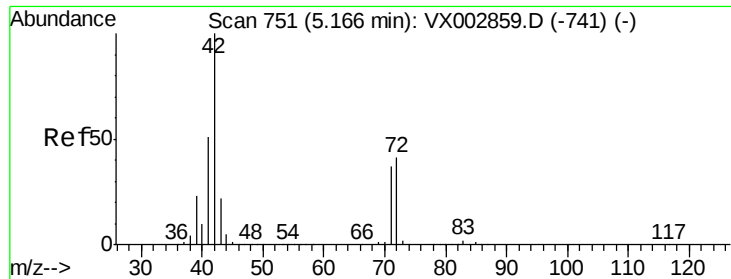


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

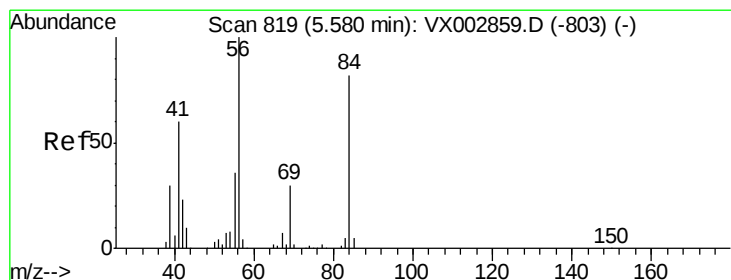
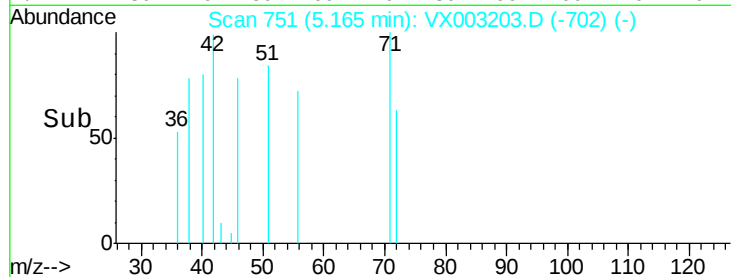
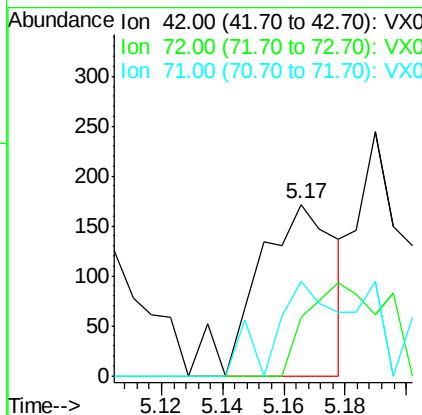
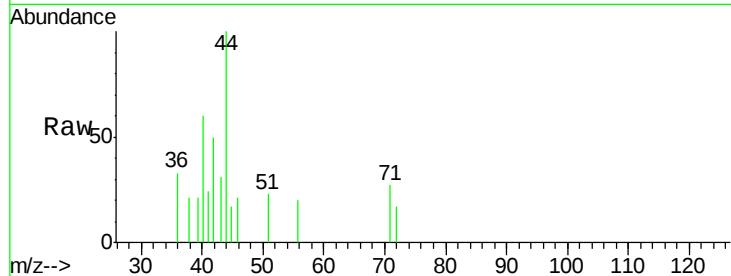




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.17 min Scan# 751
Delta R.T. -0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

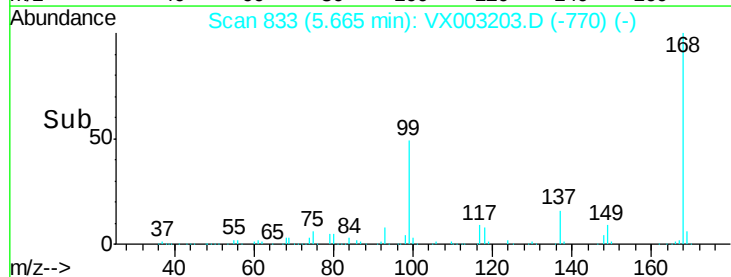
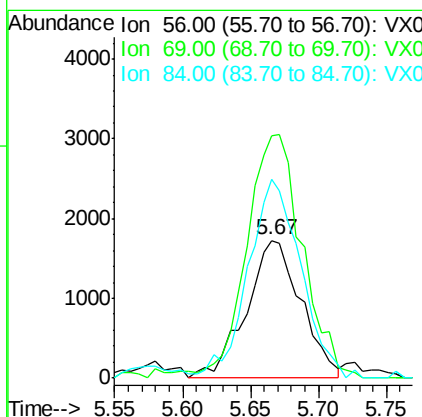
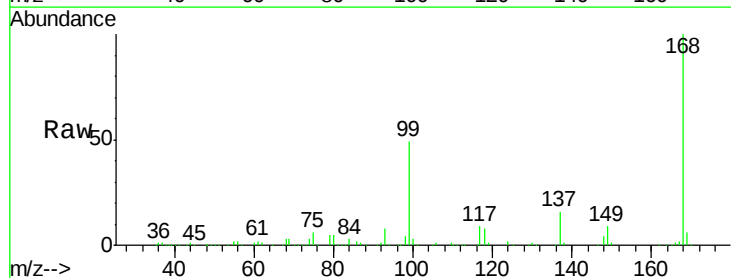
Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

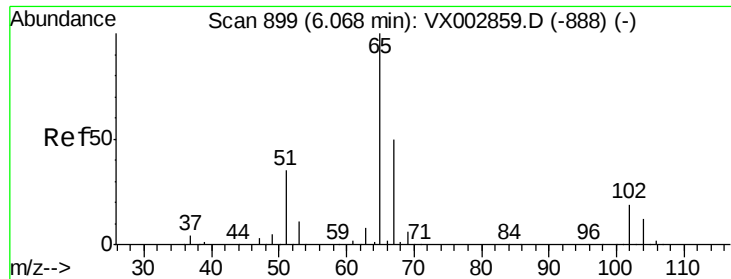
Tot Ion: 42 Resp: 307
Ion Ratio Lower Upper
42 100
72 54.1 32.0 48.0#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 1.03 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion: 56 Resp: 4867
Ion Ratio Lower Upper
56 100
69 171.2 23.7 35.5#
84 141.2 64.1 96.1#

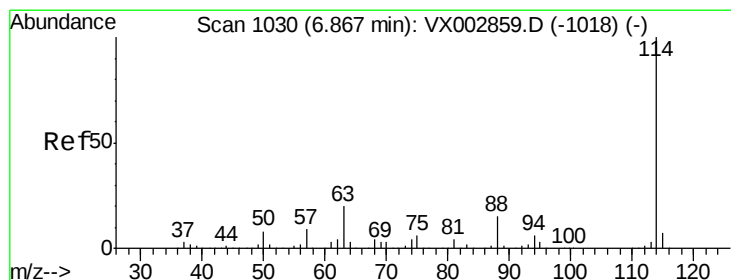
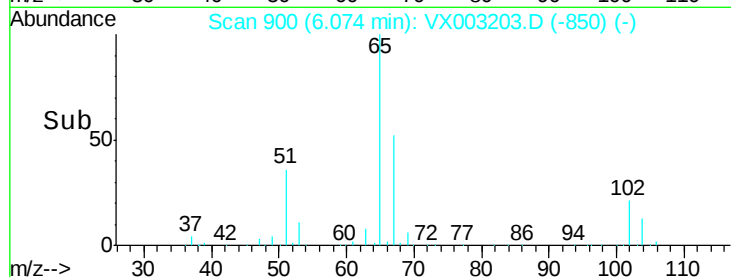
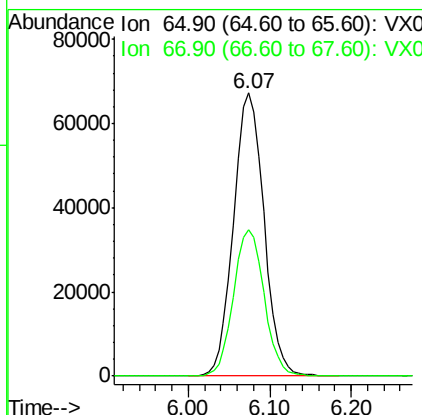
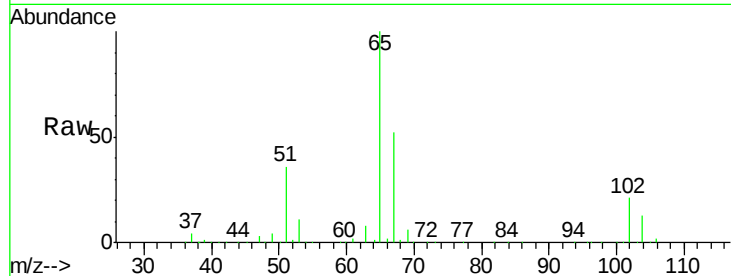




#33
 1,2-Dichloroethane-d4
 Concen: 46.01 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

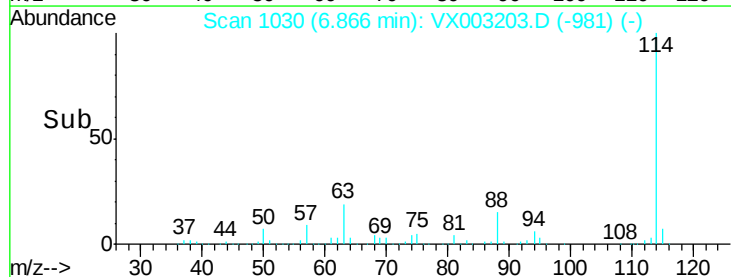
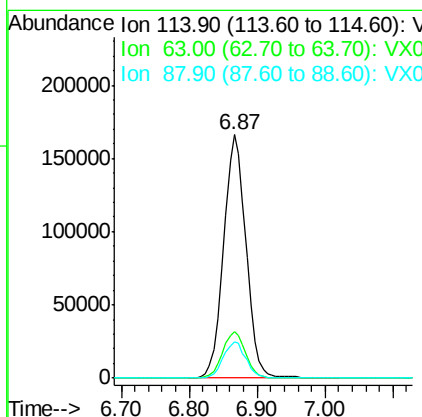
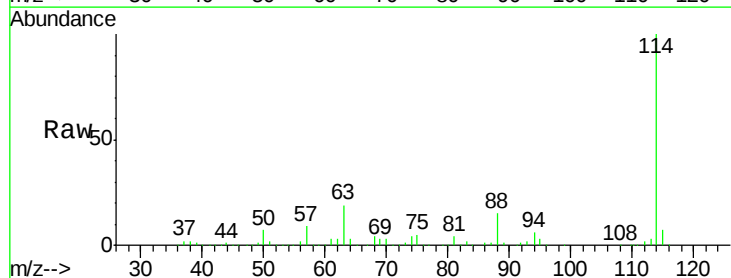
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-180702

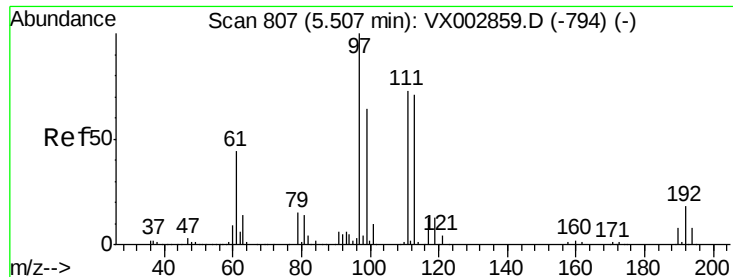
Tot Ion: 65 Resp: 174041
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003203.D
 Acq: 06 Jul 2018 05:54

Tgt Ion: 114 Resp: 379368
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.4
 88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.39 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

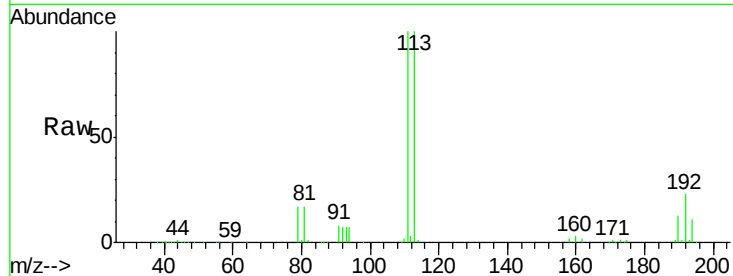
Tot Ion:113 Resp: 148374

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.0

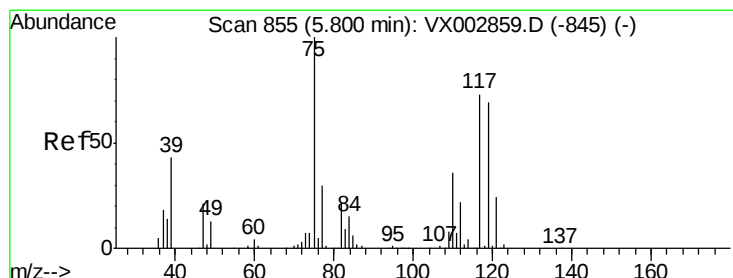
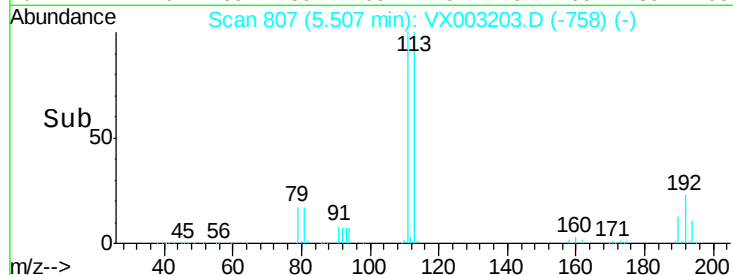
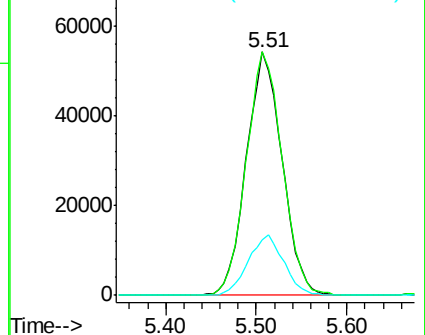
192 24.6 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

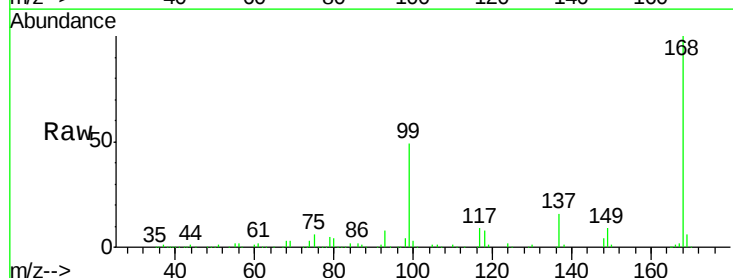
Tgt Ion: 75 Resp: 16523

Ion Ratio Lower Upper

75 100

110 11.1 18.1 54.4#

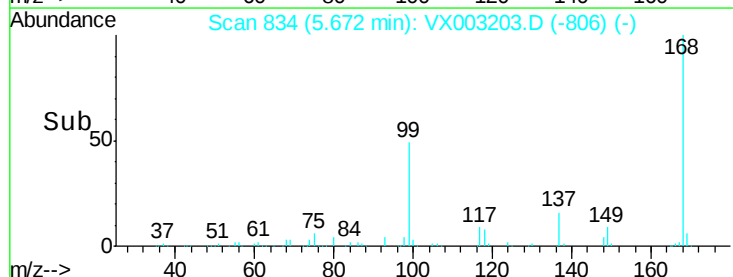
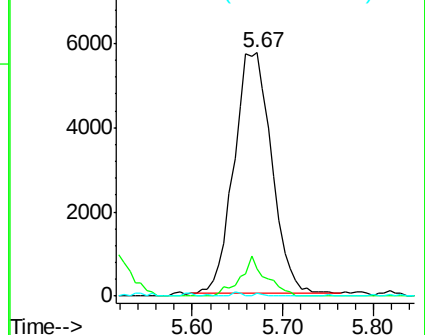
77 0.3 24.3 36.5#

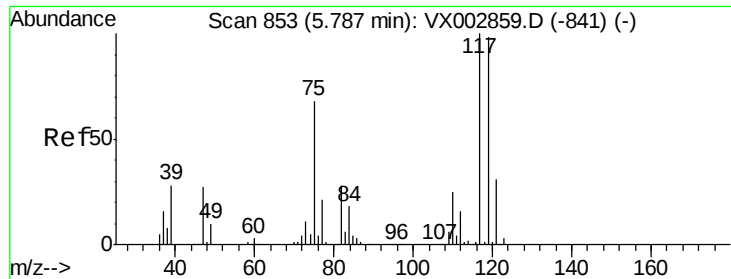


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

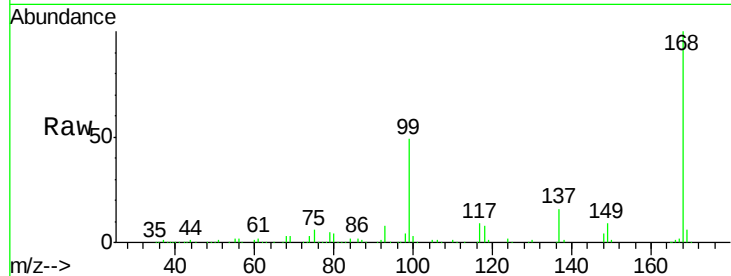
Tot Ion:117 Resp: 24139

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

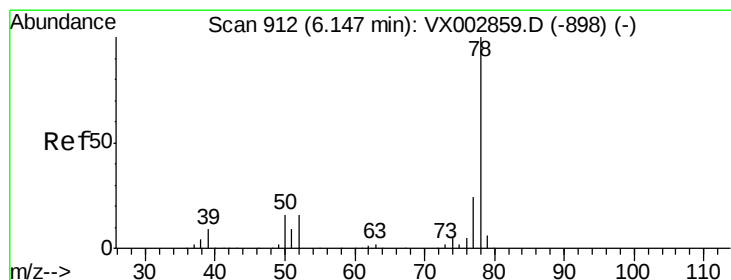
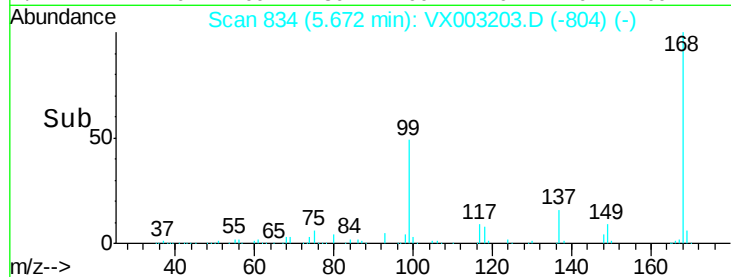
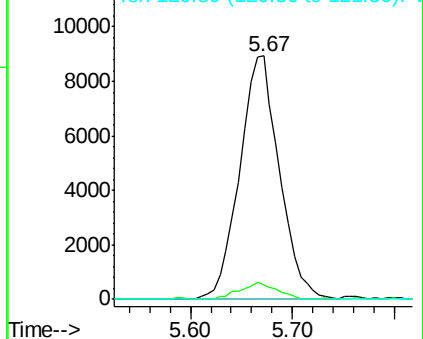
121 0.0 24.4 36.6#



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



#40

Benzene

Concen: 3.48 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX003203.D

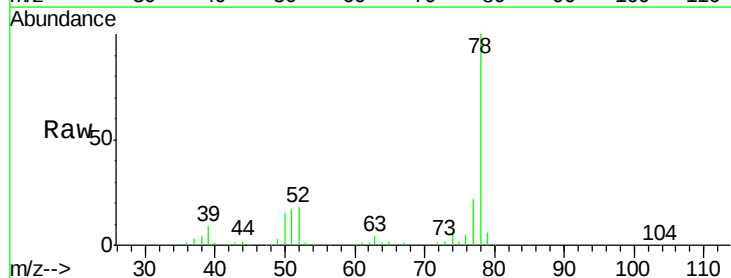
Acq: 06 Jul 2018 05:54

Tgt Ion: 78 Resp: 42032

Ion Ratio Lower Upper

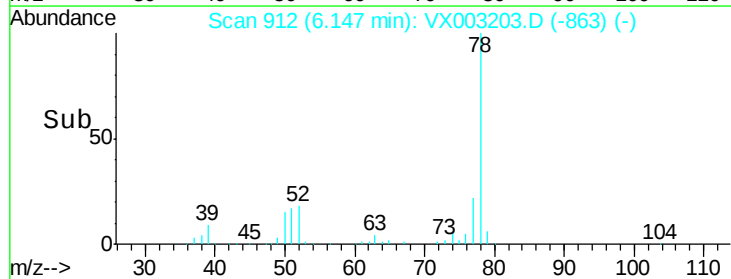
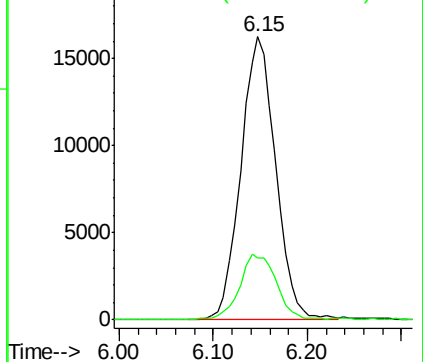
78 100

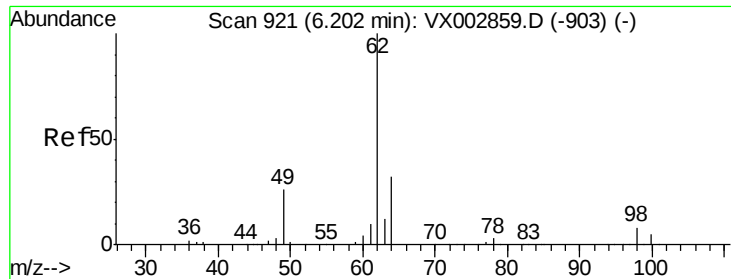
77 21.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#42

1,2-Dichloroethane

Concen: 1.24 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

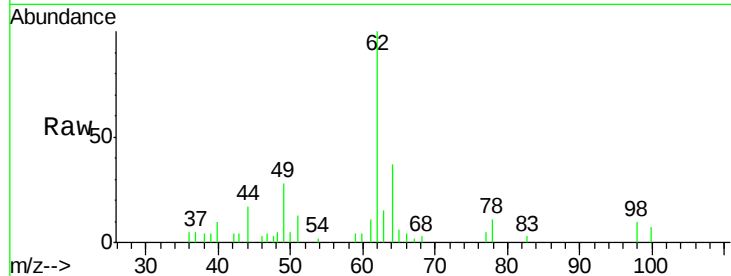
WP022MW359-180702

Tot Ion: 62 Resp: 6072

Ion Ratio Lower Upper

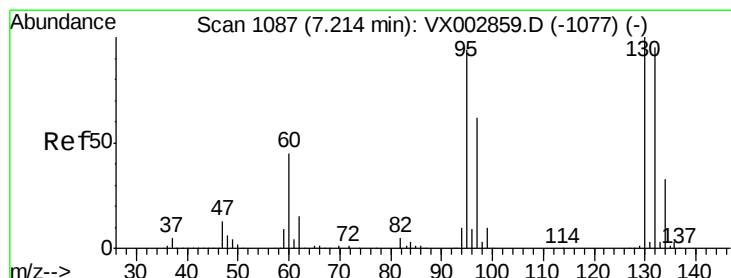
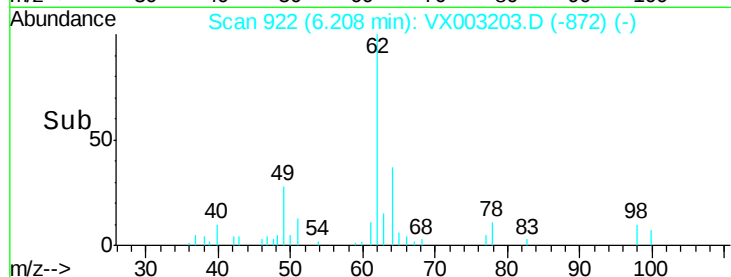
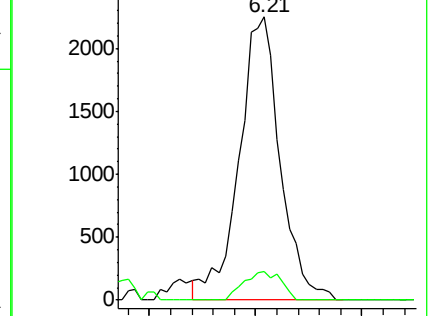
62 100

98 9.2 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 0.21 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX003203.D

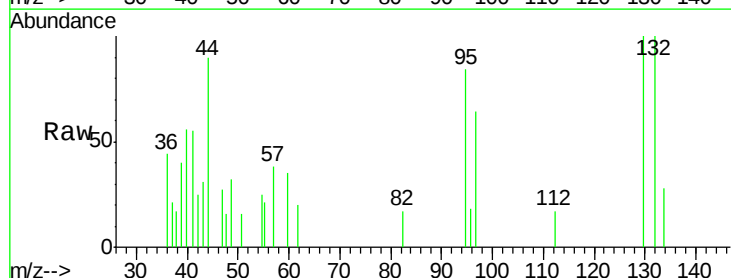
Acq: 06 Jul 2018 05:54

Tgt Ion: 130 Resp: 761

Ion Ratio Lower Upper

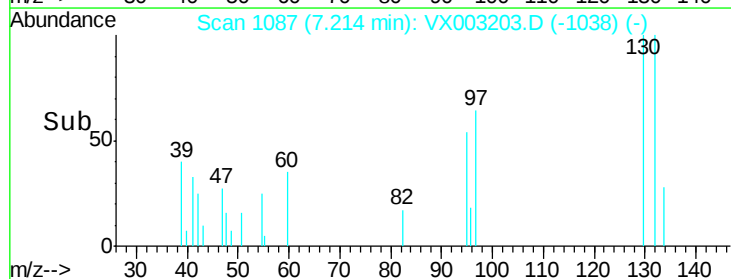
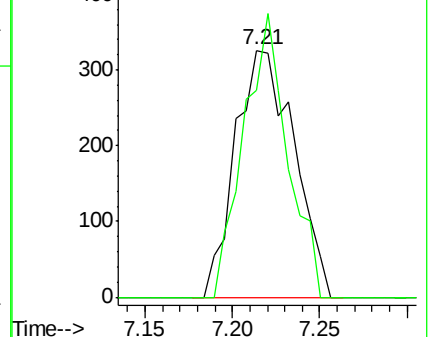
130 100

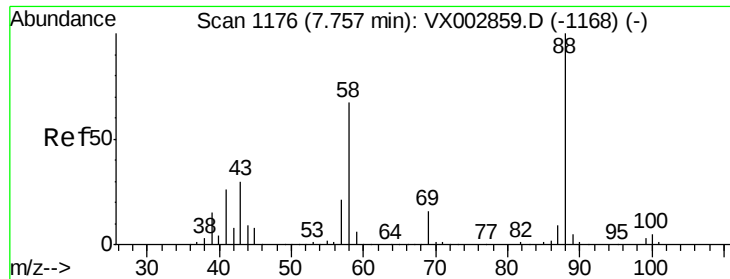
95 83.7 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 2.85 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

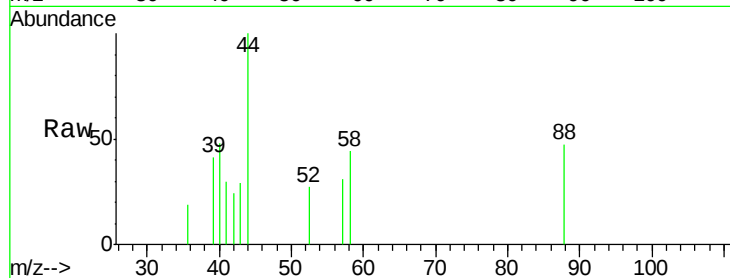
MSVOA_X

ClientSampleId :

WP022MW359-180702

Tot Ion: 88 Resp: 215

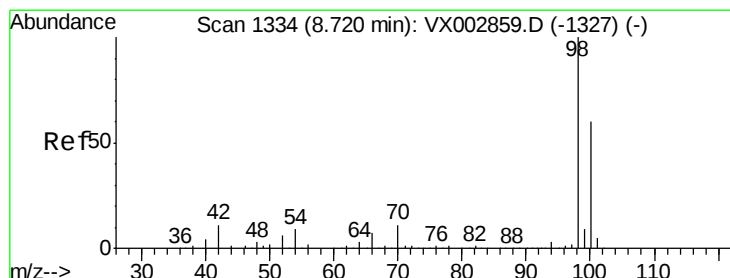
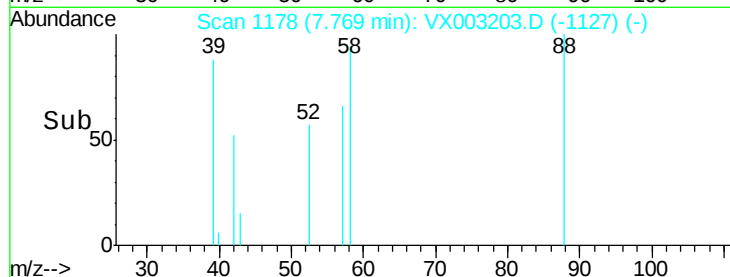
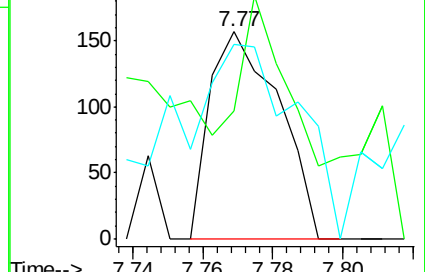
Ion	Ratio	Lower	Upper
88	100		
43	90.2	29.8	44.6#
58	167.4	57.1	85.7#



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



#50

Toluene-d8

Concen: 47.39 ug/l

RT: 8.72 min Scan# 1334

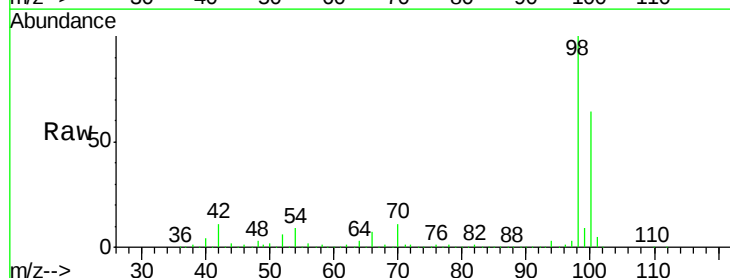
Delta R.T. 0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

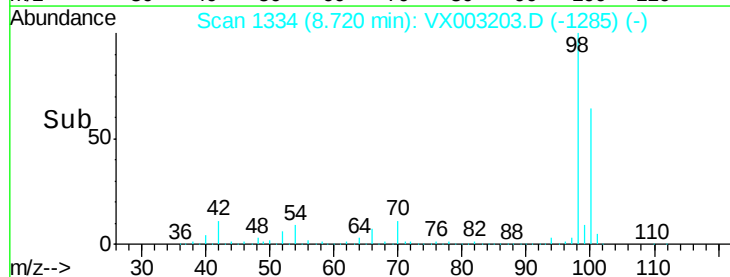
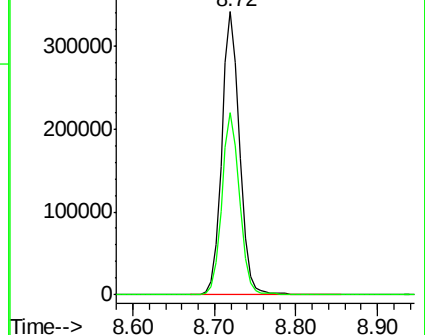
Tgt Ion: 98 Resp: 519942

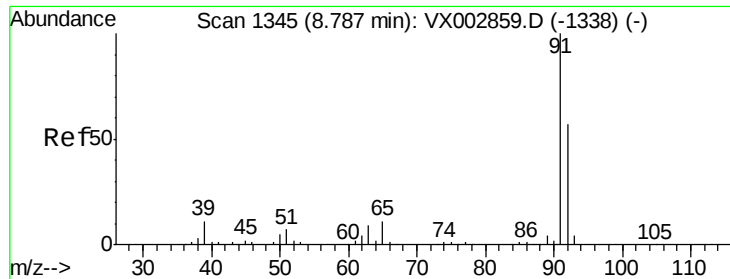
Ion	Ratio	Lower	Upper
98	100		
100	64.2	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 1.13 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

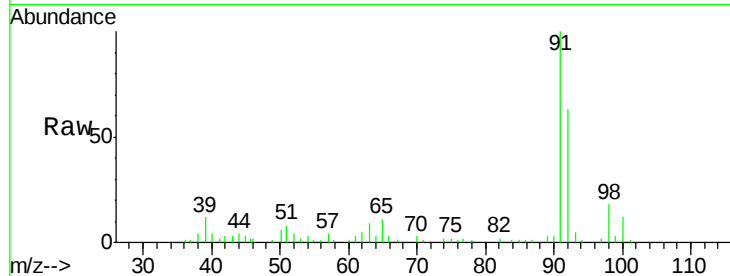
WP022MW359-180702

Tot Ion: 92 Resp: 8737

Ion Ratio Lower Upper

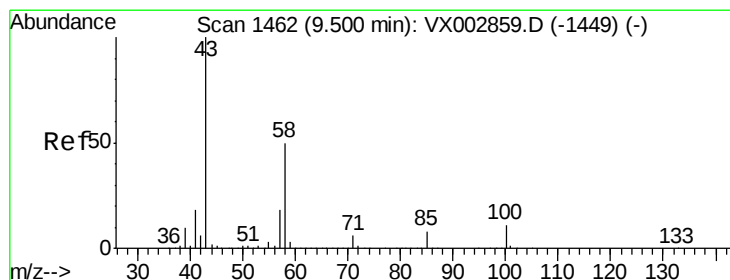
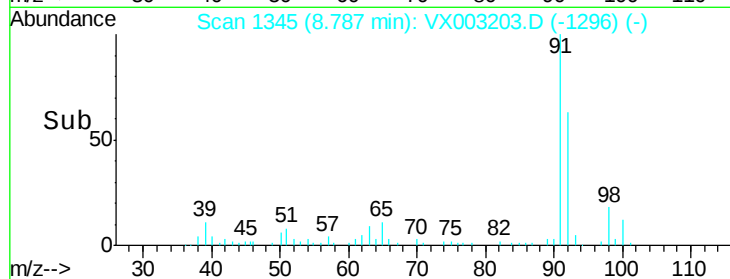
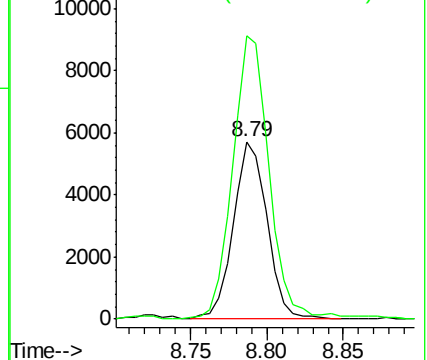
92 100

91 173.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 2.28 ug/l

RT: 9.32 min Scan# 1432

Delta R.T. -0.18 min

Lab File: VX003203.D

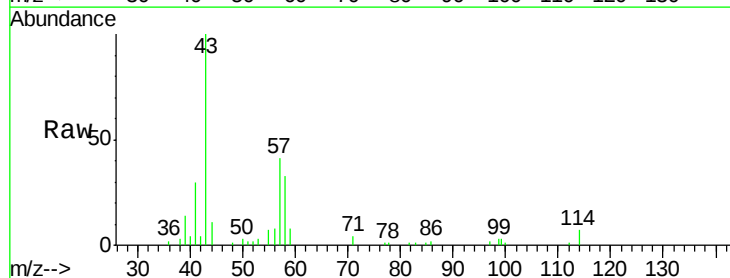
Acq: 06 Jul 2018 05:54

Tgt Ion: 43 Resp: 8148

Ion Ratio Lower Upper

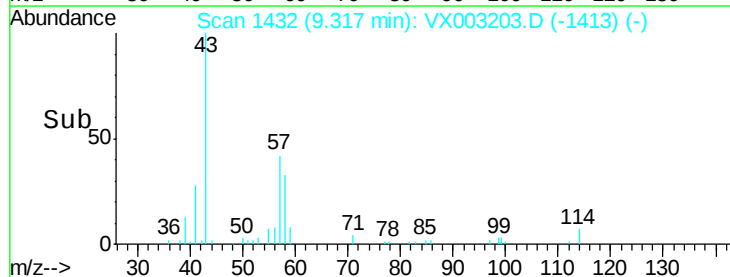
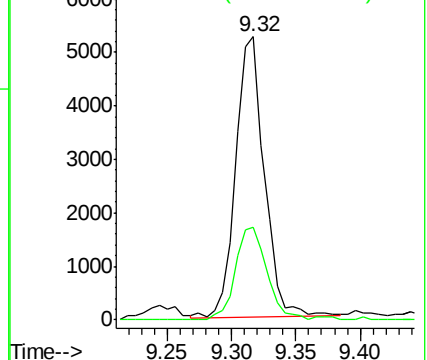
43 100

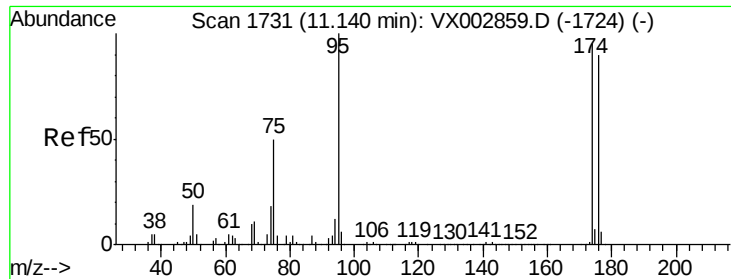
58 35.9 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

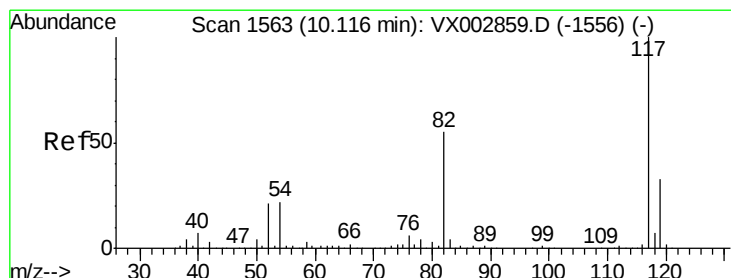
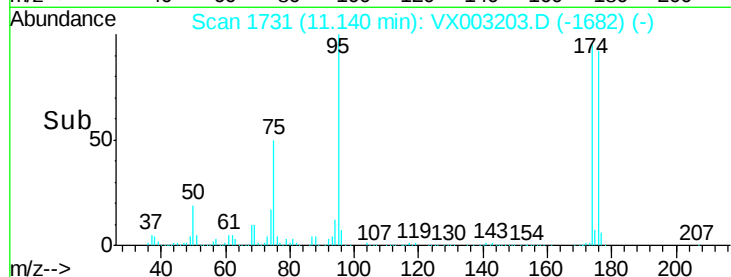
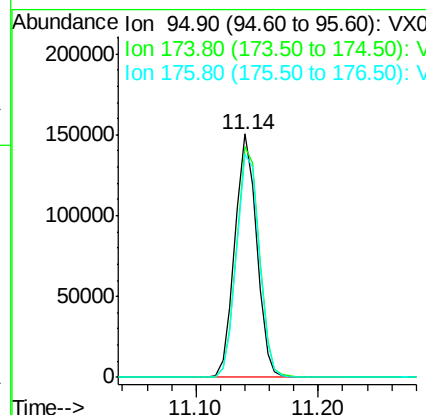
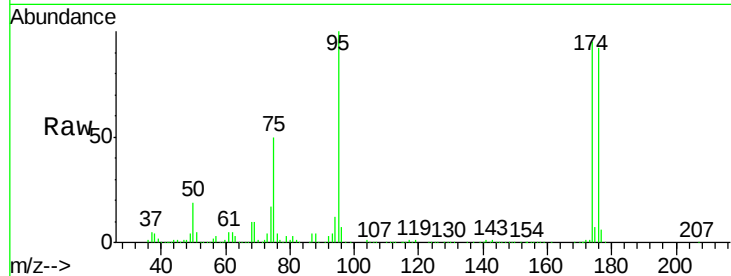




#62
4-Bromofluorobenzene
Concen: 43.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

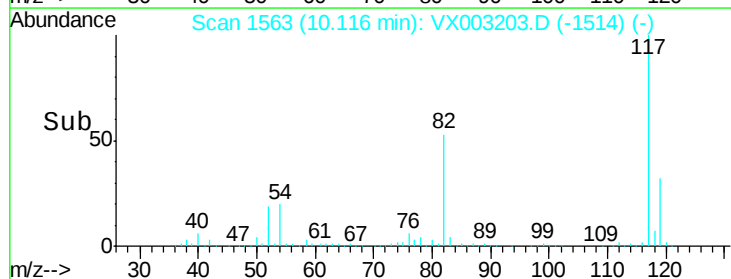
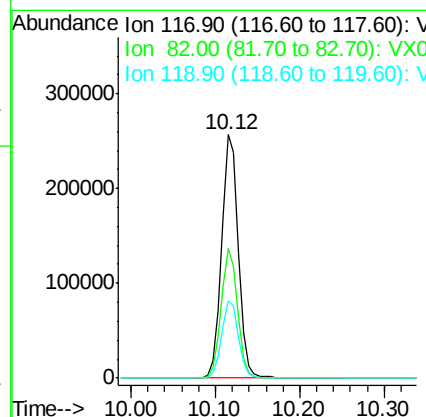
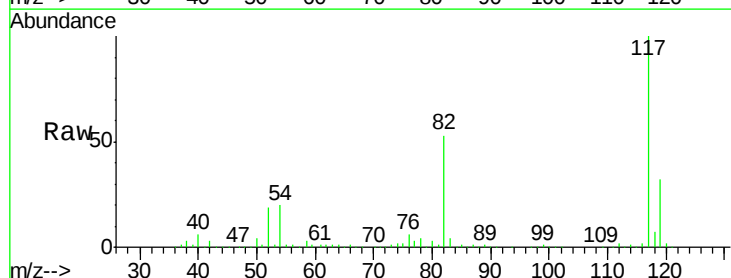
Instrument :
MSVOA_X
ClientSampleId :
WP022MW359-180702

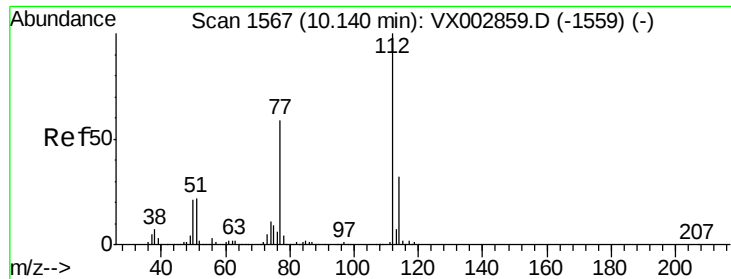
Tot Ion: 95 Resp: 184618
Ion Ratio Lower Upper
95 100
174 98.9 0.0 187.4
176 95.9 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003203.D
Acq: 06 Jul 2018 05:54

Tgt Ion: 117 Resp: 353059
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 31.9 25.8 38.6





#65

Chlorobenzene

Concen: 103.04 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

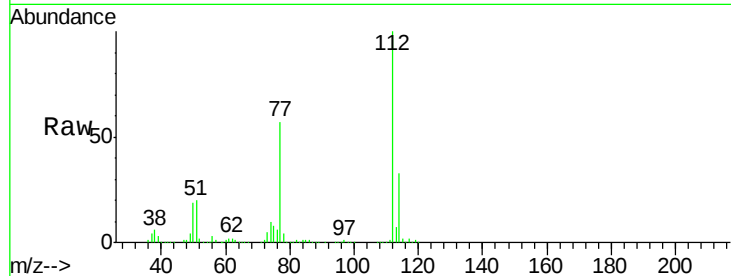
WP022MW359-180702

Tot Ion:112 Resp: 924040

Ion Ratio Lower Upper

112 100

114 32.5 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

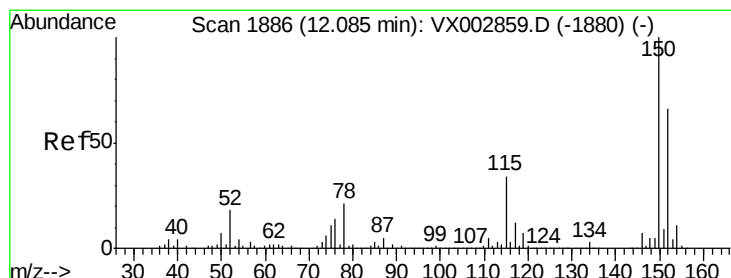
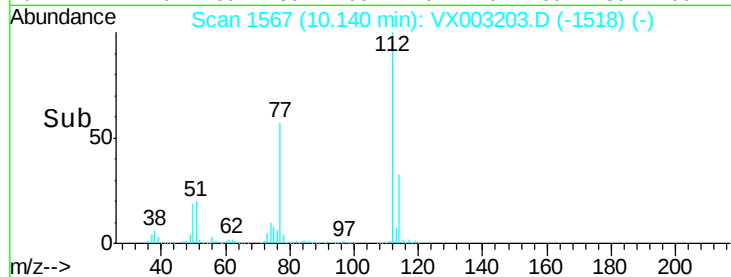
600000

400000

200000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

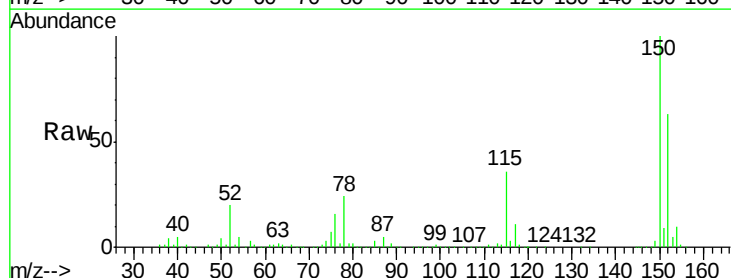
Tgt Ion:152 Resp: 195878

Ion Ratio Lower Upper

152 100

115 54.2 40.1 120.2

150 159.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

12.08

300000

250000

200000

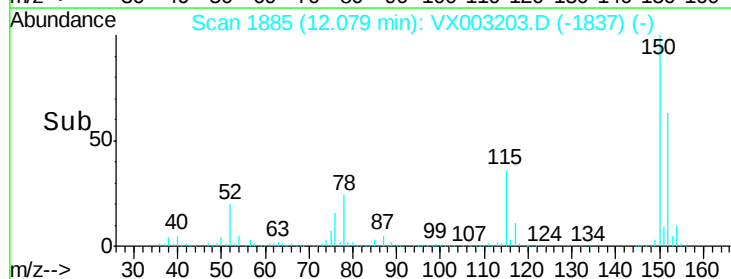
150000

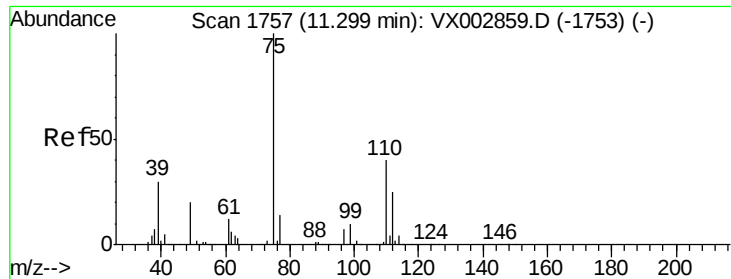
100000

50000

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 25.99 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

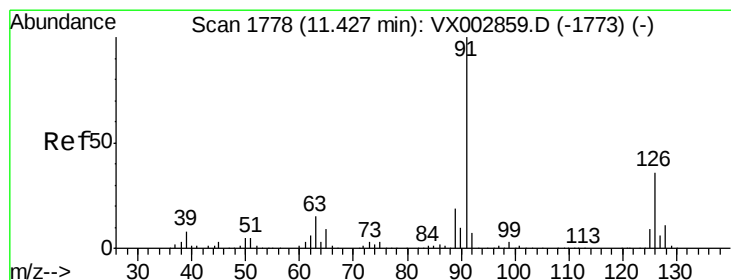
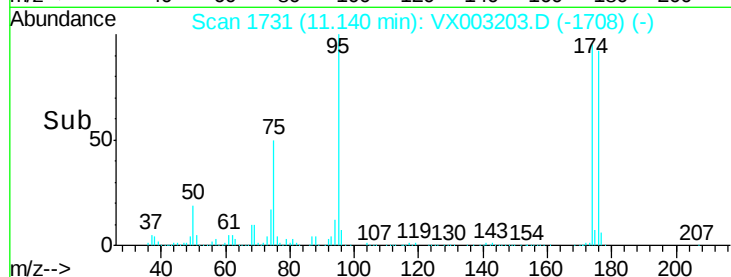
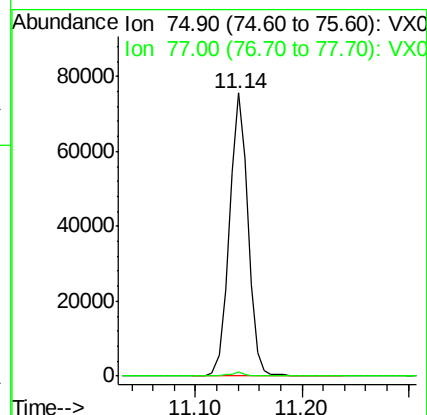
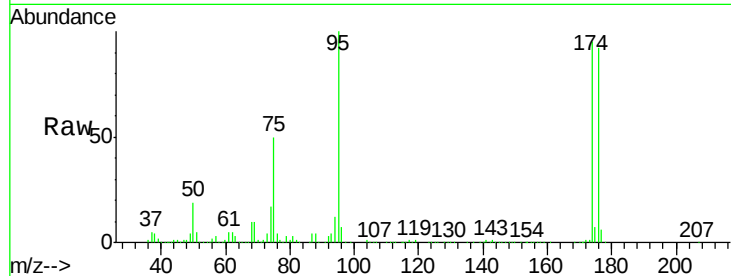
WP022MW359-180702

Tot Ion: 75 Resp: 92211

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#79

2-Chlorotoluene

Concen: 0.22 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003203.D

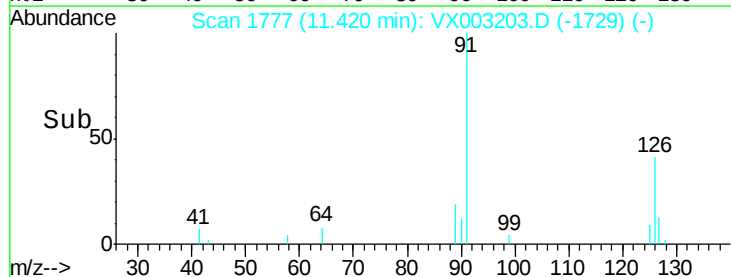
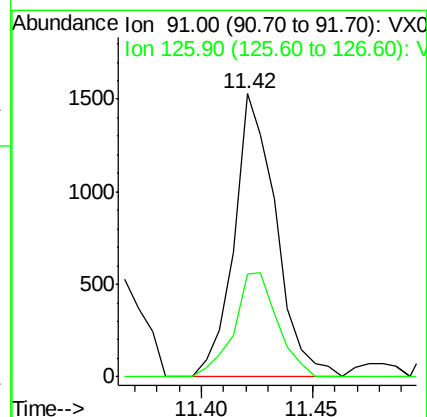
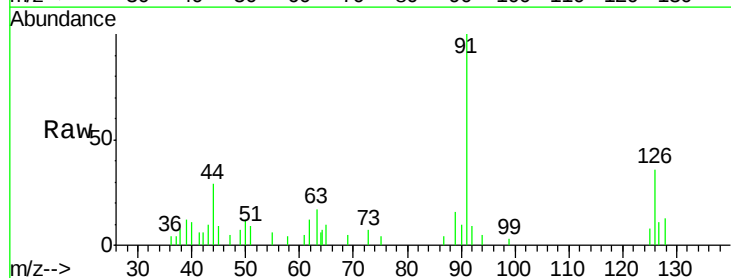
Acq: 06 Jul 2018 05:54

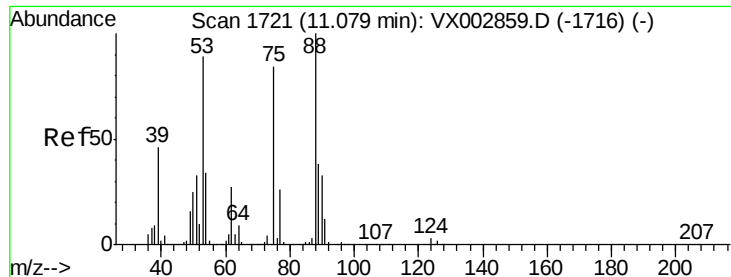
Tgt Ion: 91 Resp: 2001

Ion Ratio Lower Upper

91 100

126 38.2 17.7 53.1





#81

trans-1,4-Dichloro-2-butene

Concen: 73.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

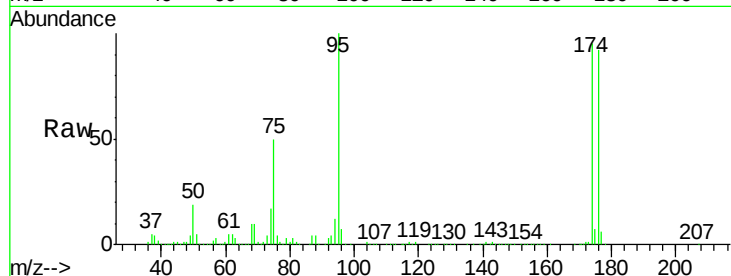
Tot Ion: 75 Resp: 92211

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

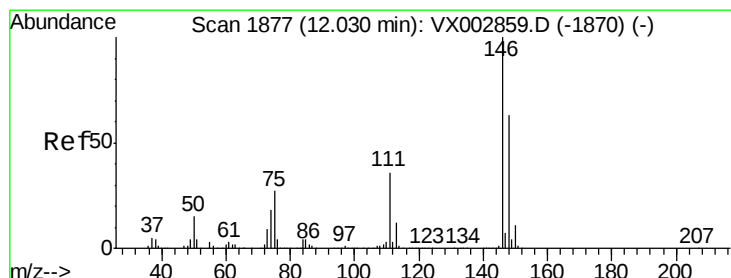
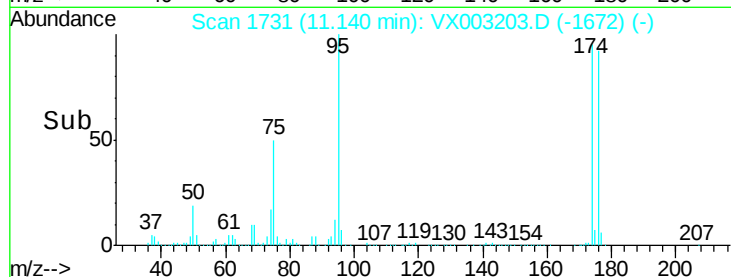
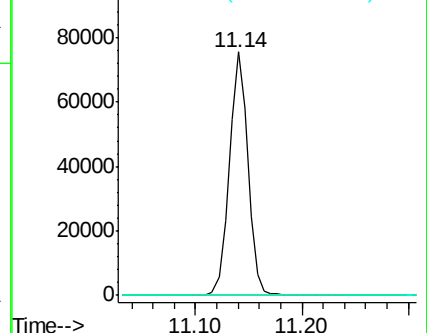
89 0.1 38.2 57.2#



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



#87

1,3-Dichlorobenzene

Concen: 3.38 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

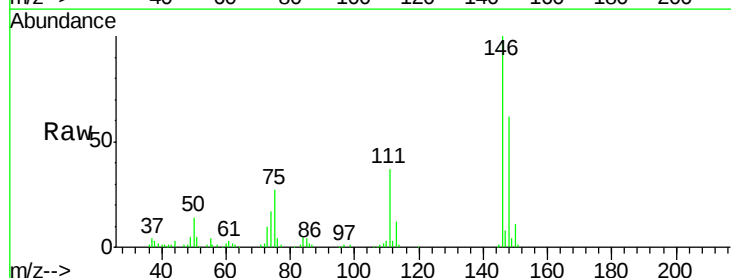
Tgt Ion: 146 Resp: 23177

Ion Ratio Lower Upper

146 100

111 37.1 18.9 56.7

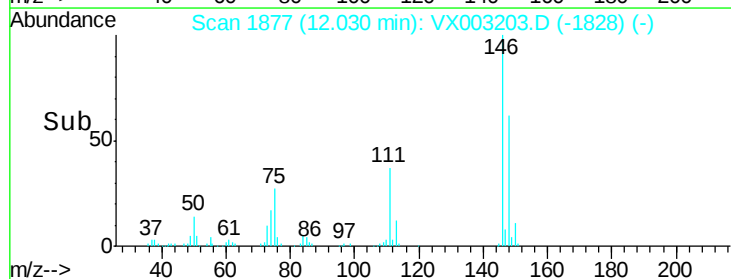
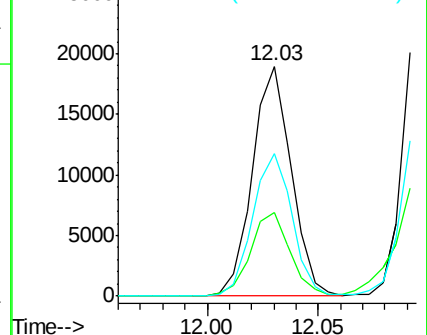
148 62.9 32.1 96.3

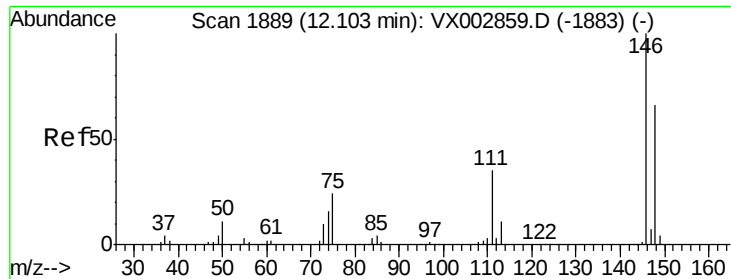


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 7.30 ug/l

RT: 12.10 min Scan# 1888

Delta R.T. -0.01 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

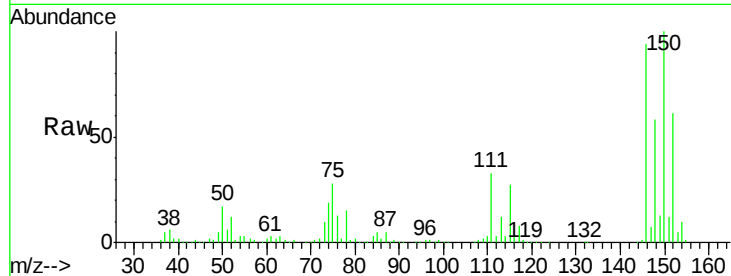
Tot Ion:146 Resp: 51454

Ion Ratio Lower Upper

146 100

111 39.2 18.7 56.1

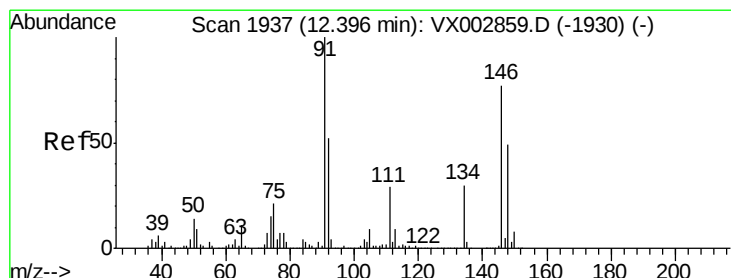
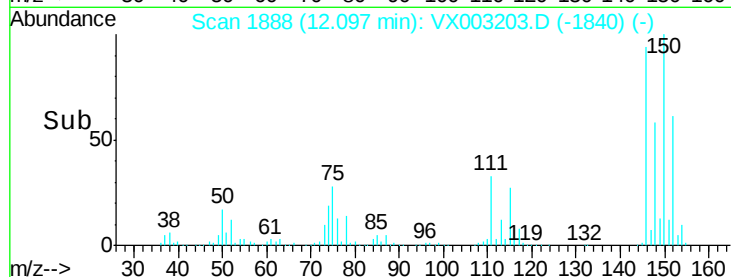
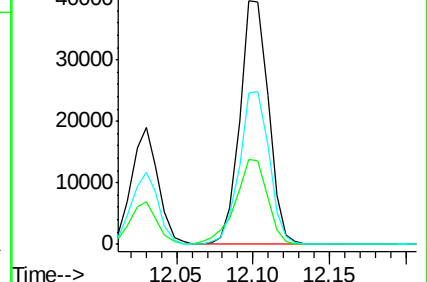
148 65.4 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 7.36 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

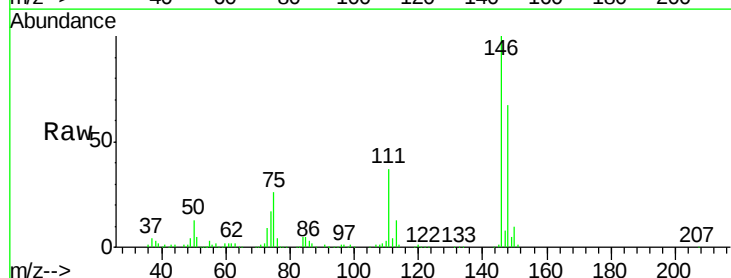
Tgt Ion:146 Resp: 50919

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.1

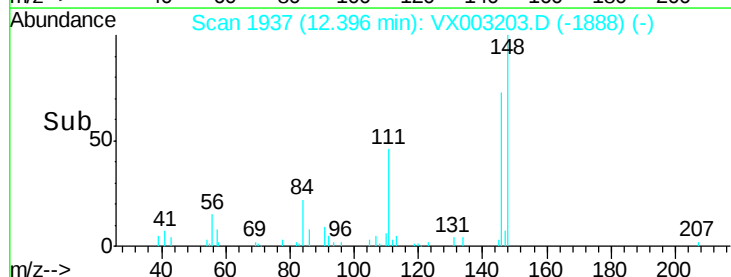
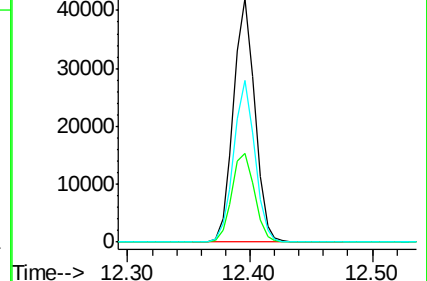
148 65.6 31.7 95.1

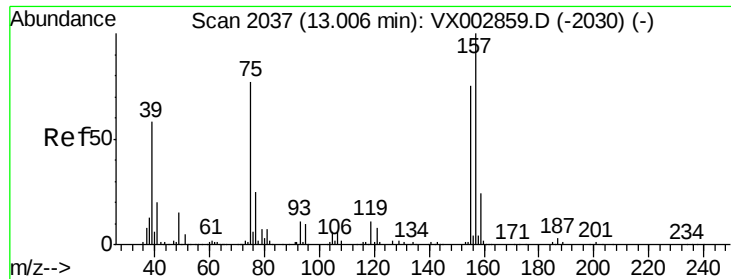


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.26 ug/l

RT: 13.17 min Scan# 2064

Delta R.T. 0.16 min

Lab File: VX003203.D

Acq: 06 Jul 2018 05:54

Instrument :

MSVOA_X

ClientSampleId :

WP022MW359-180702

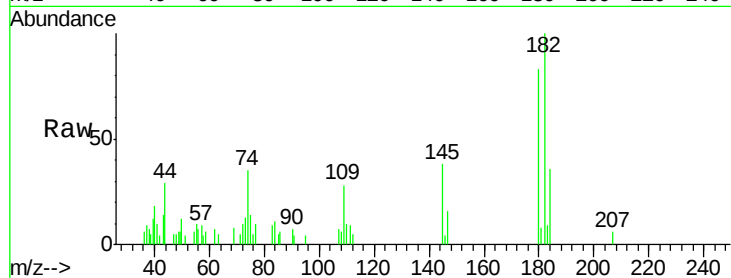
Tot Ion: 75 Resp: 237

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

