

Data File : VX002878.D
Acq On : 25 Jun 2018 23:54
Operator : JC/MD
Sample : J3693-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
W-31

Quant Time: Jul 04 07:08:27 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	235633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	310196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	162090	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.51	113	128726	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.72	98	465133	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	11.14	95	166852	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

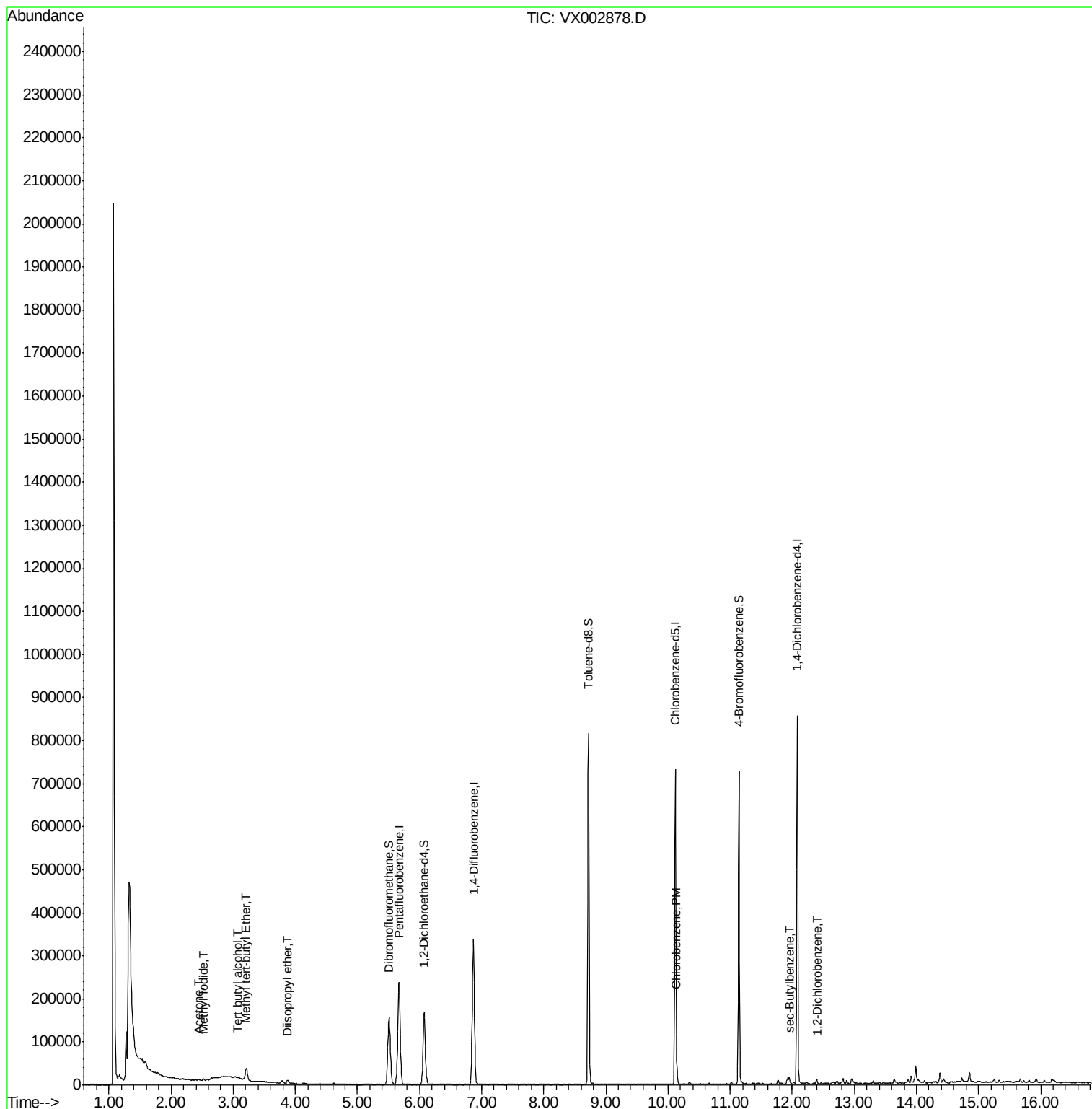
Target Compounds				Qvalue		
10) Methyl Iodide	2.52	142	3217	7.292	ug/l	97
11) Tert butyl alcohol	3.07	59	2250	3.468	ug/l #	64
16) Acetone	2.45	43	1455	1.079	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	31554	3.777	ug/l	98
22) Diisopropyl ether	3.87	45	7869	0.899	ug/l #	96
65) Chlorobenzene	10.14	112	13733	1.743	ug/l	98
85) sec-Butylbenzene	11.95	105	5747	0.473	ug/l #	56
91) 1,2-Dichlorobenzene	12.40	146	1743	0.275	ug/l	91

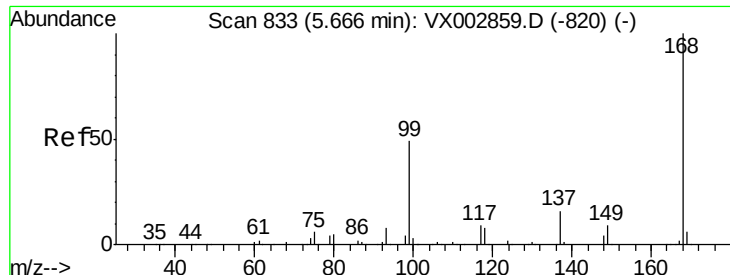
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002878.D

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Instrument :

MSVOA_X

ClientSampleId :

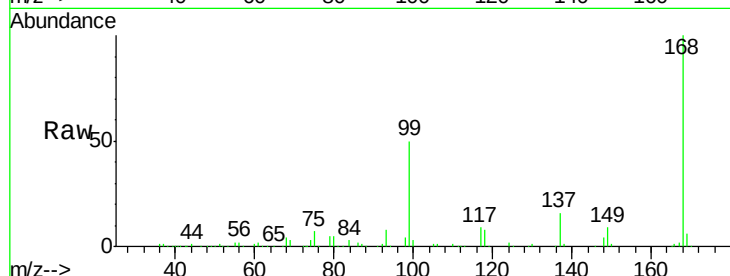
W-31

Tgt Ion:168 Resp: 235633

Ion Ratio Lower Upper

168 100

99 49.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

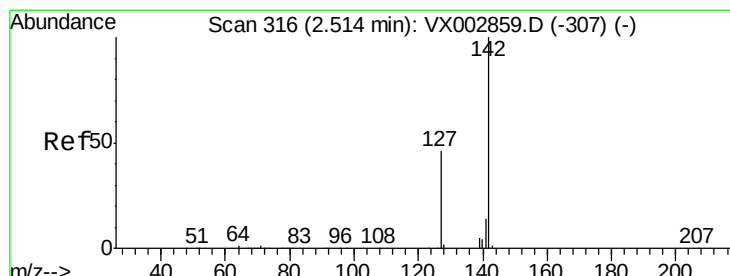
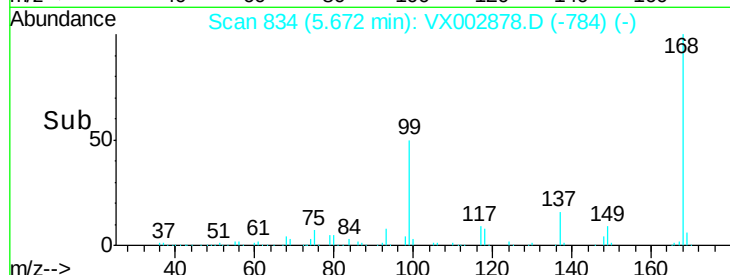
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 7.292 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

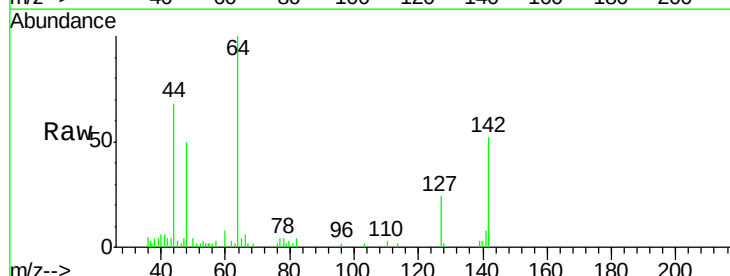
Tgt Ion:142 Resp: 3217

Ion Ratio Lower Upper

142 100

127 47.7 36.6 55.0

141 16.0 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

2000

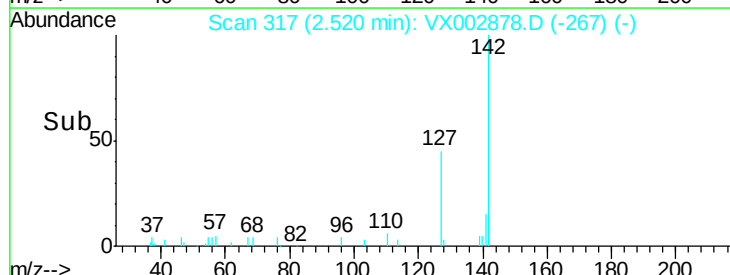
1500

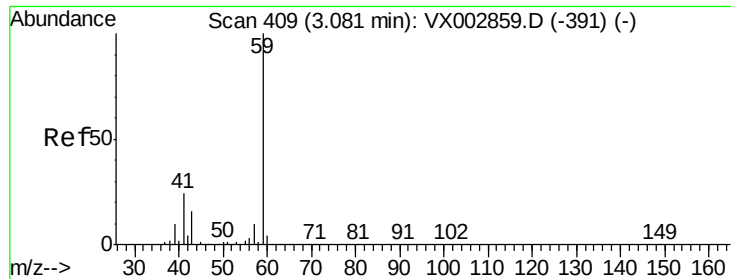
1000

500

0

Time--> 2.45 2.50 2.55 2.60

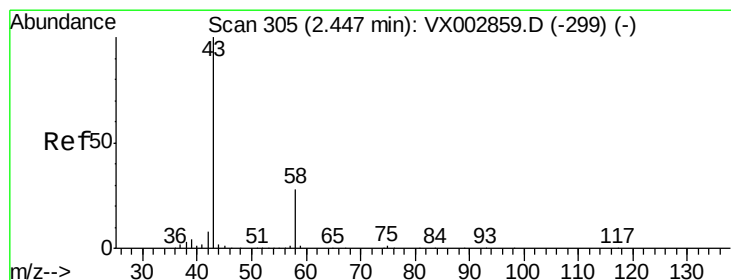
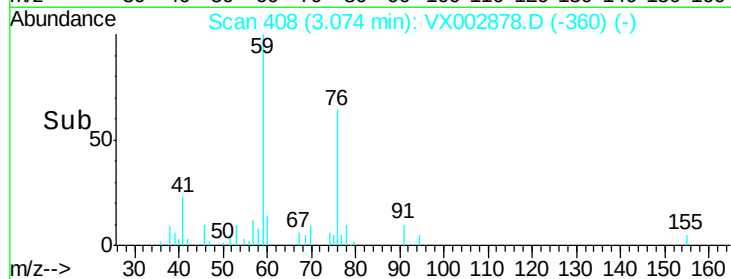
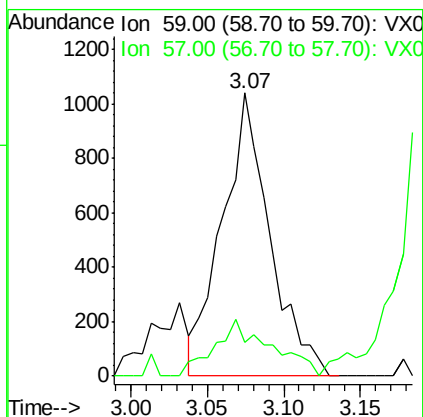
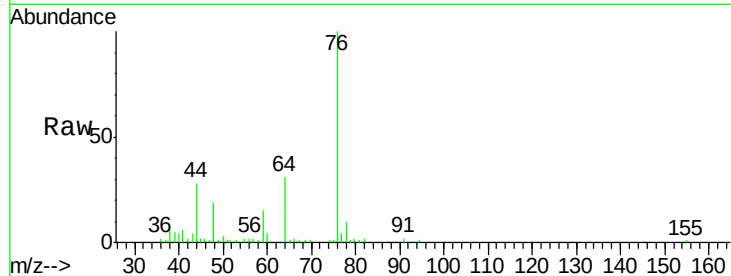




#11
Tert butyl alcohol
Concen: 3.468 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002878.D
Acq: 25 Jun 2018 23:54

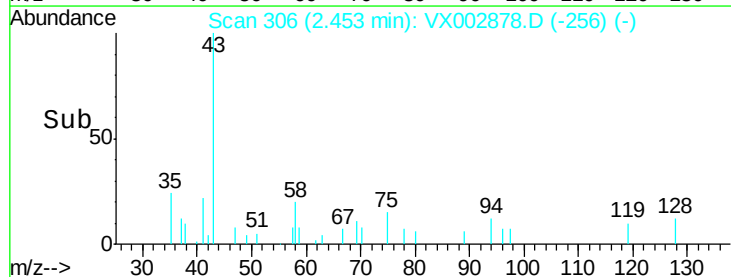
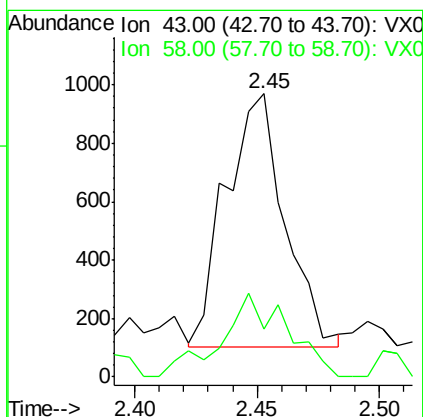
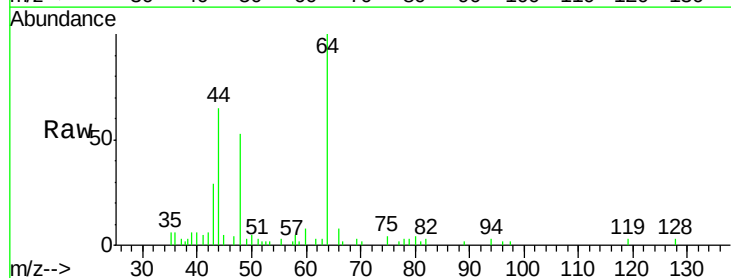
Instrument :
MSVOA_X
ClientSampled :
W-31

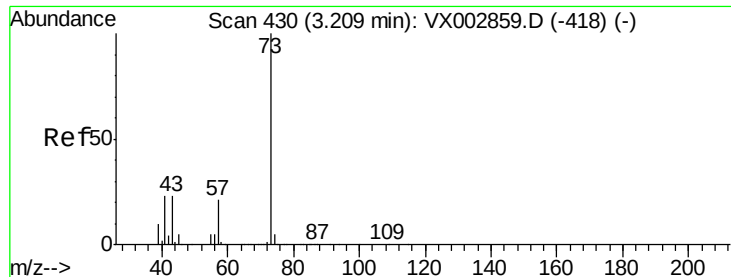
Tgt Ion: 59 Resp: 2250
Ion Ratio Lower Upper
59 100
57 23.6 8.2 12.2#



#16
Acetone
Concen: 1.079 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.01 min
Lab File: VX002878.D
Acq: 25 Jun 2018 23:54

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 26.5 22.1 33.1



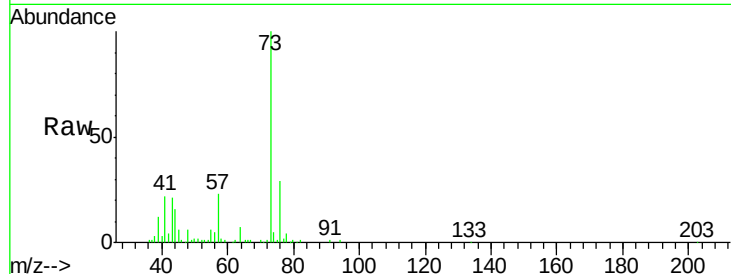


#19

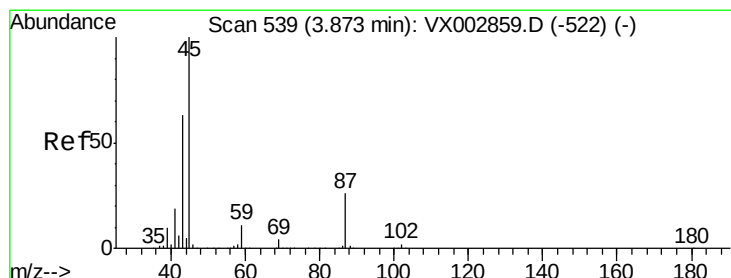
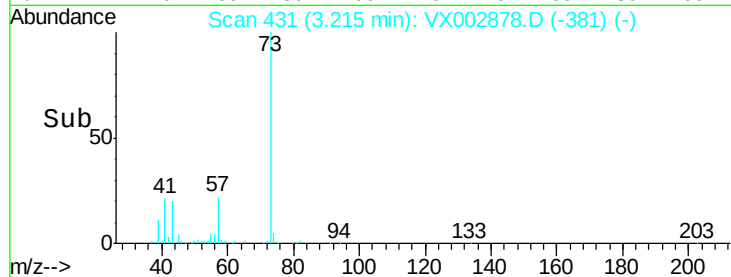
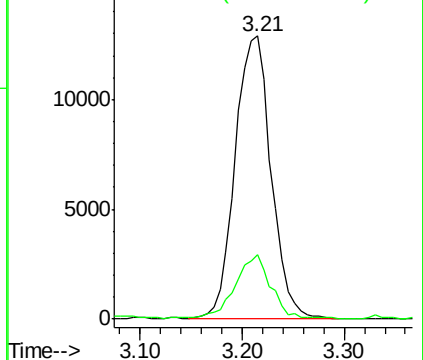
Methyl tert-butyl Ether
 Concen: 3.777 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX002878.D
 Acq: 25 Jun 2018 23:54

Instrument :
 MSVOA_X
 ClientSampled :
 W-31

Tgt Ion: 73 Resp: 31554
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.7 26.5



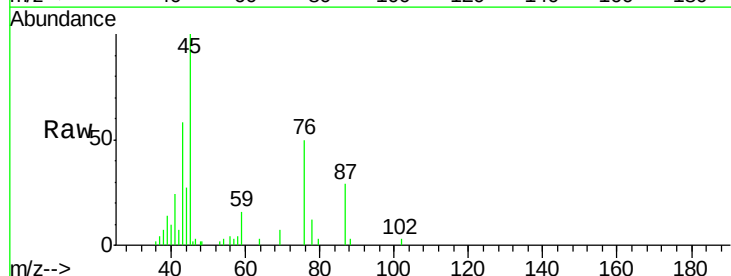
Abundance Ion 73.00 (72.70 to 73.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



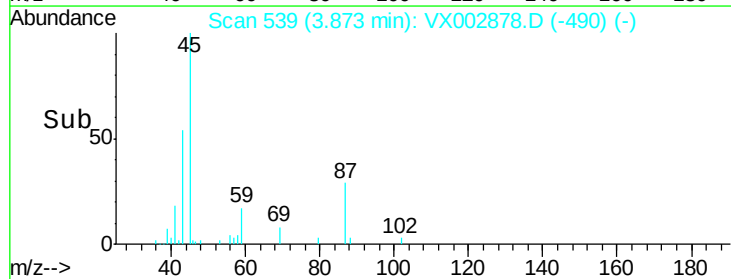
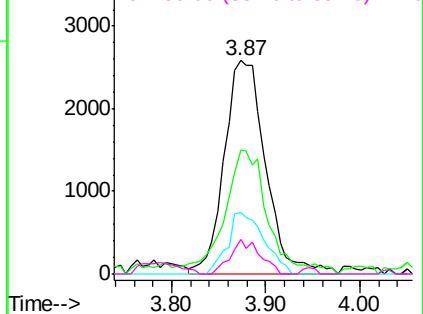
#22

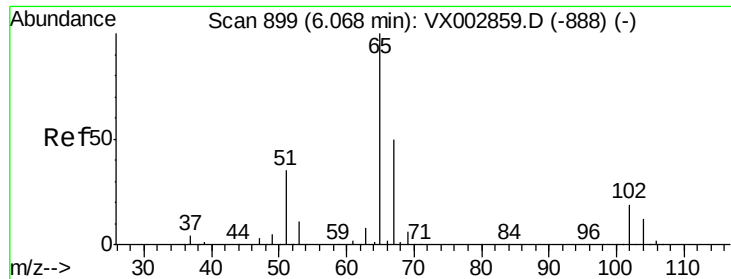
Diisopropyl ether
 Concen: 0.899 ug/l
 RT: 3.87 min Scan# 539
 Delta R.T. -0.00 min
 Lab File: VX002878.D
 Acq: 25 Jun 2018 23:54

Tgt Ion: 45 Resp: 7869
 Ion Ratio Lower Upper
 45 100
 43 58.2 46.8 70.2
 87 28.6 20.2 30.4
 59 16.3 8.7 13.1#



Abundance Ion 45.00 (44.70 to 45.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0
 Ion 59.00 (58.70 to 59.70): VX0

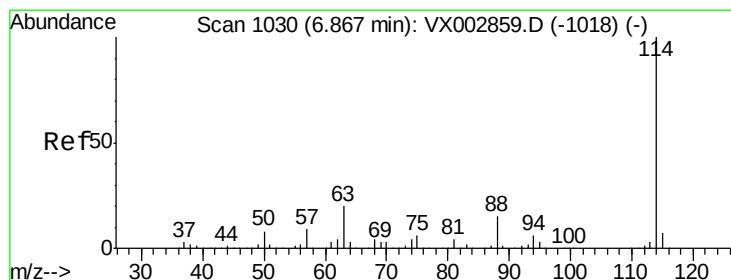
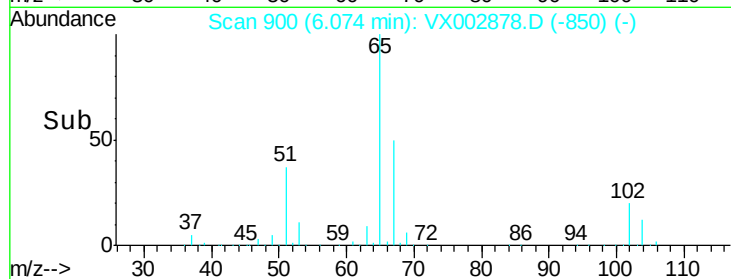
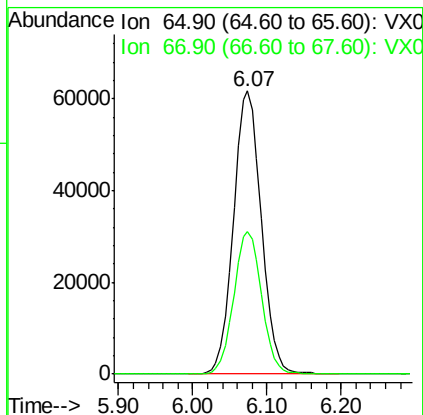
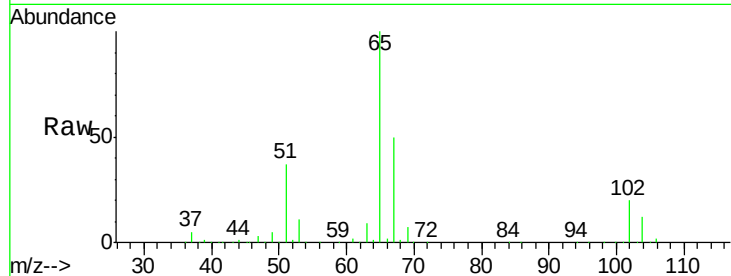




#33
 1,2-Dichloroethane-d4
 Concen: 49.768 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX002878.D
 Acq: 25 Jun 2018 23:54

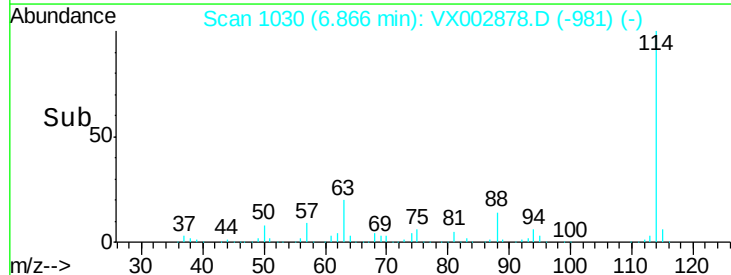
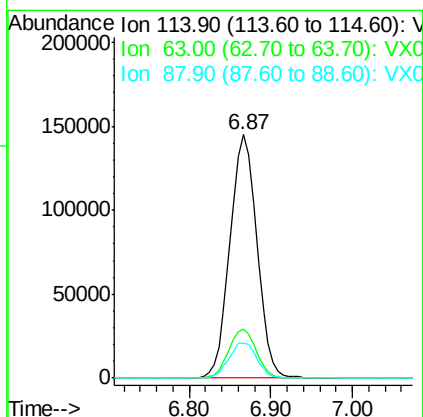
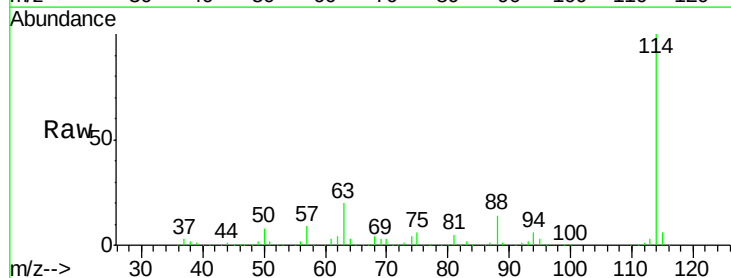
Instrument :
 MSVOA_X
 ClientSampleId :
 W-31

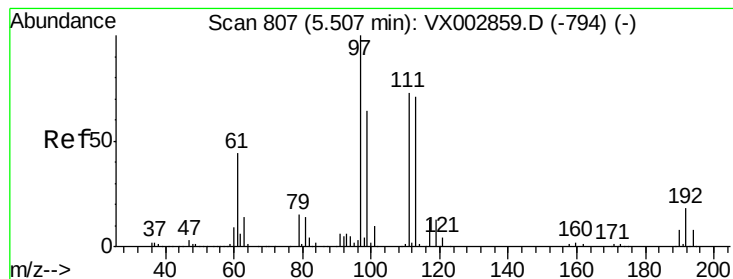
Tgt Ion: 65 Resp: 162090
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002878.D
 Acq: 25 Jun 2018 23:54

Tgt Ion: 114 Resp: 331382
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 14.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.053 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

Instrument :

MSVOA_X

ClientSampleId :

W-31

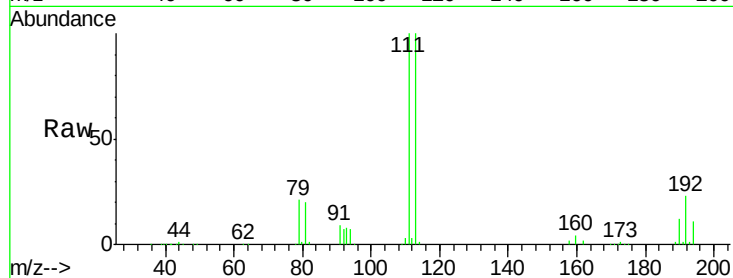
Tgt Ion:113 Resp: 128726

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

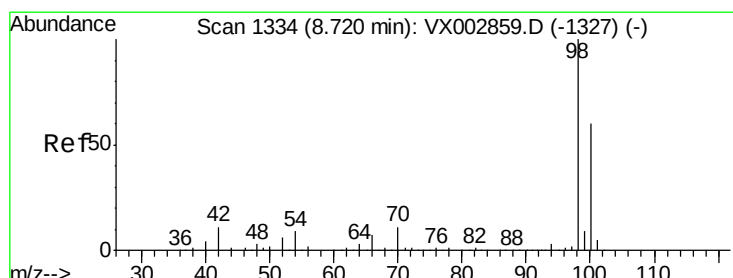
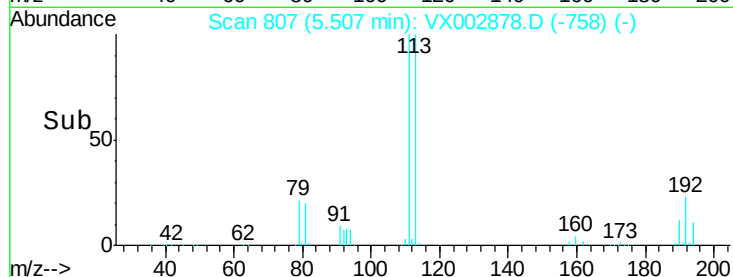
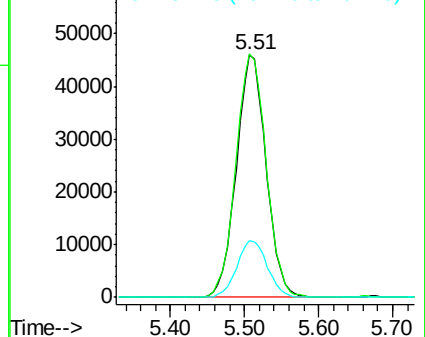
192 23.9 19.1 28.7



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



#50

Toluene-d8

Concen: 48.537 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002878.D

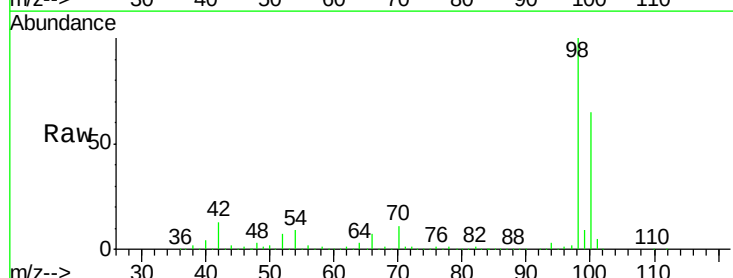
Acq: 25 Jun 2018 23:54

Tgt Ion: 98 Resp: 465133

Ion Ratio Lower Upper

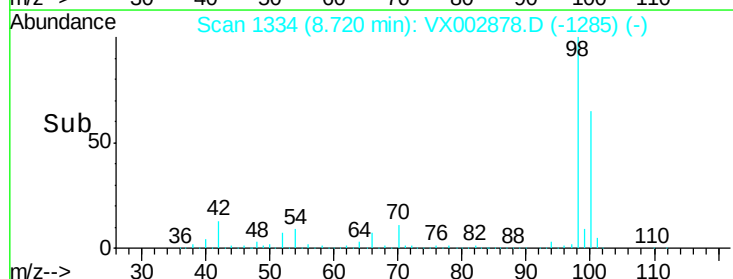
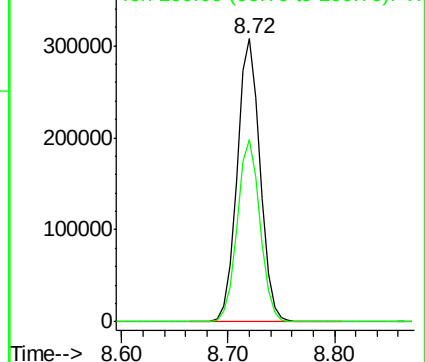
98 100

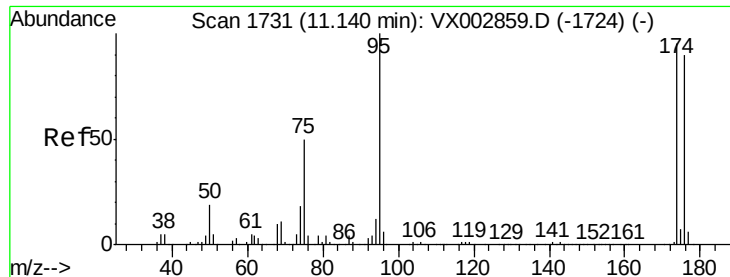
100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

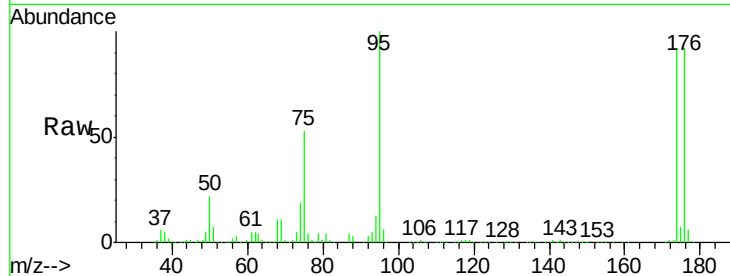




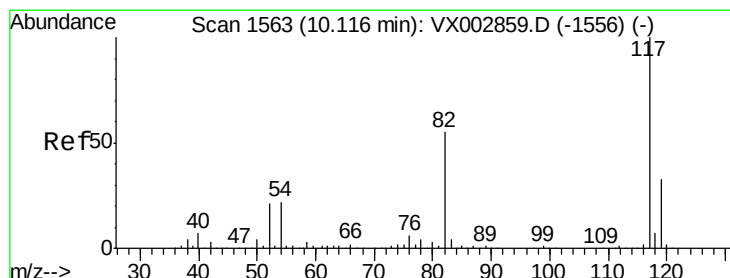
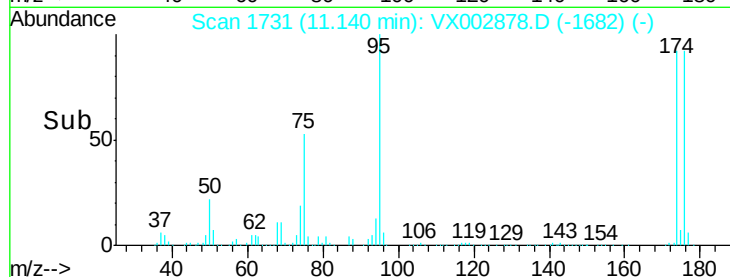
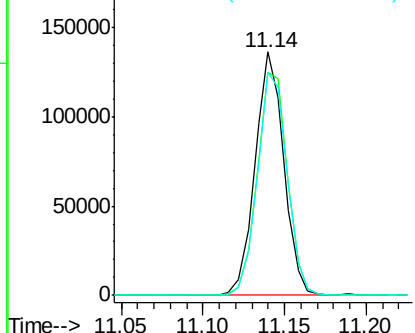
#62
4-Bromofluorobenzene
Concen: 45.147 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002878.D
Acq: 25 Jun 2018 23:54

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 95 Resp: 166852
Ion Ratio Lower Upper
95 100
174 96.7 0.0 187.4
176 94.5 0.0 181.0

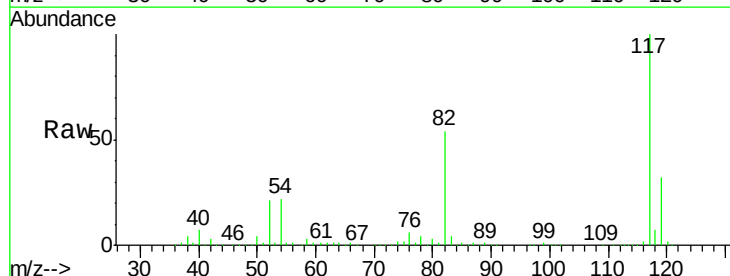


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

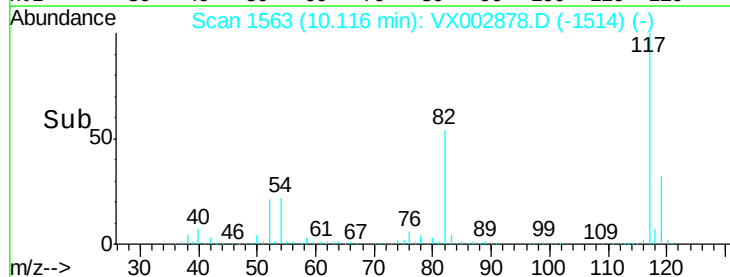
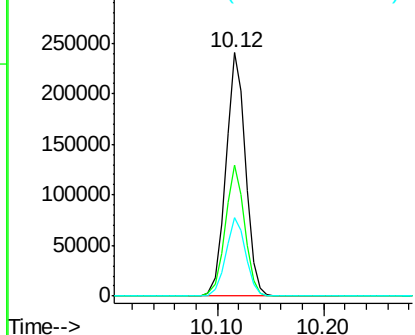


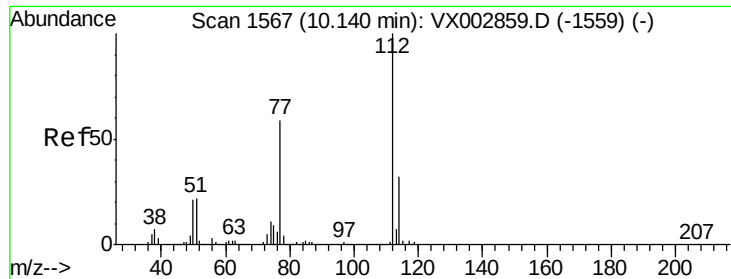
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002878.D
Acq: 25 Jun 2018 23:54

Tgt Ion: 117 Resp: 310196
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#65

Chlorobenzene

Concen: 1.743 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

Instrument :

MSVOA_X

ClientSampleId :

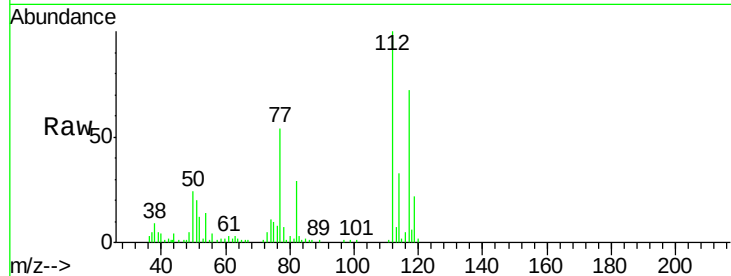
W-31

Tgt Ion:112 Resp: 13733

Ion Ratio Lower Upper

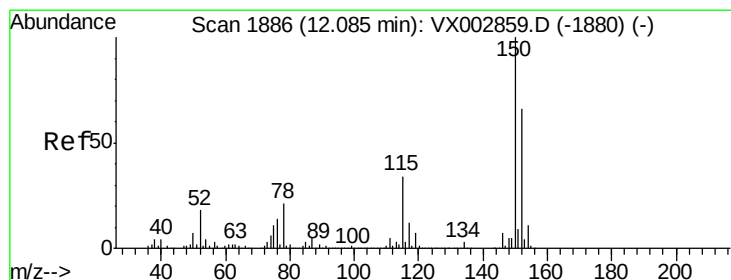
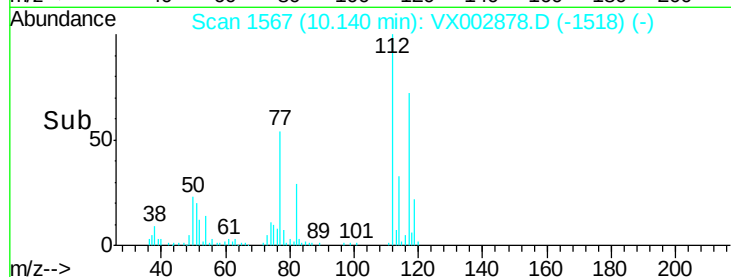
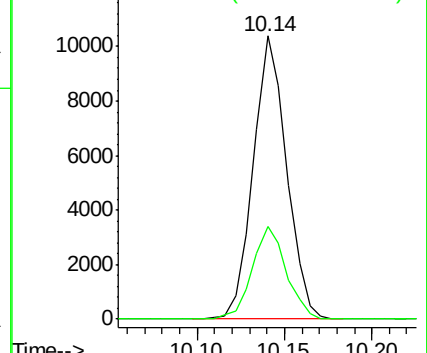
112 100

114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

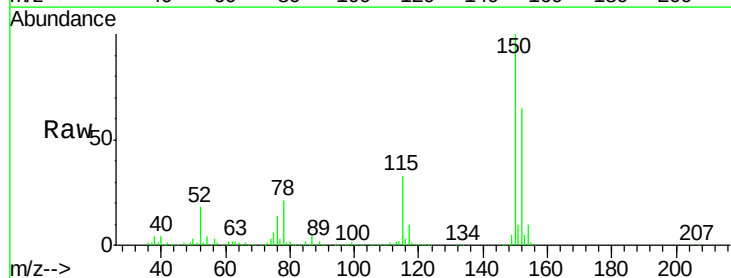
Tgt Ion:152 Resp: 179290

Ion Ratio Lower Upper

152 100

115 54.1 40.1 120.2

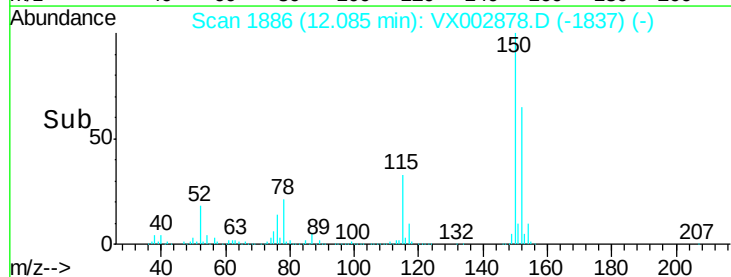
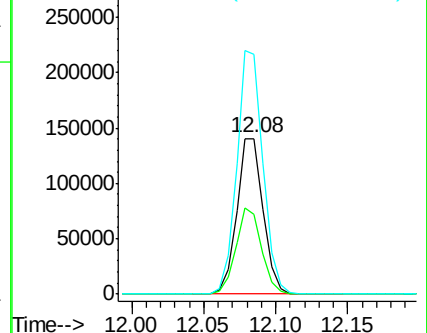
150 156.0 0.0 347.2

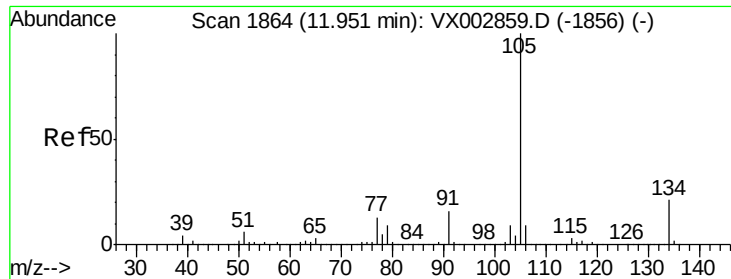


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#85

sec-Butylbenzene

Concen: 0.473 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

Instrument :

MSVOA_X

ClientSampled :

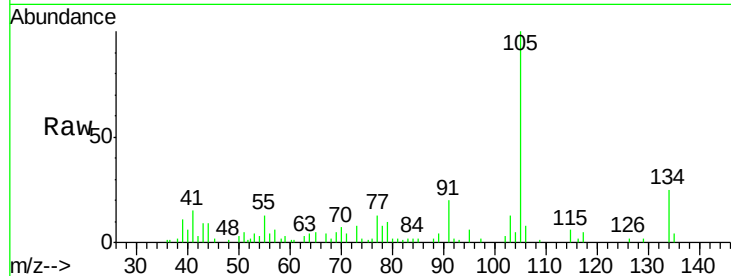
W-31

Tgt Ion:105 Resp: 5747

Ion Ratio Lower Upper

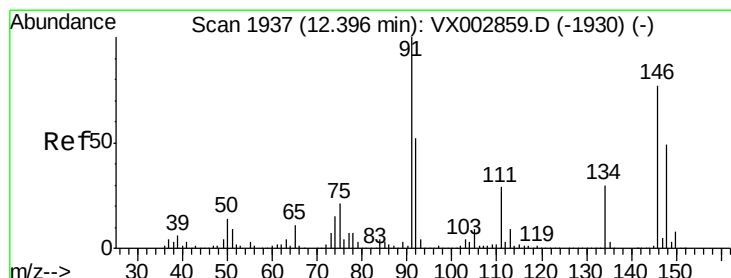
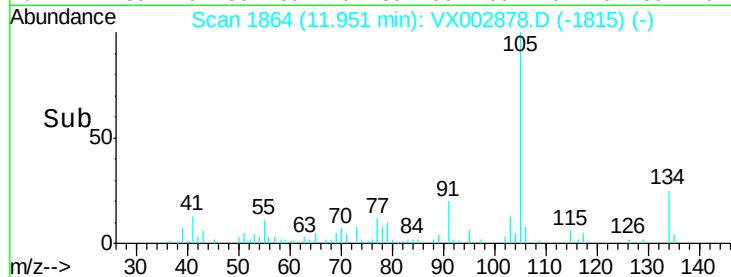
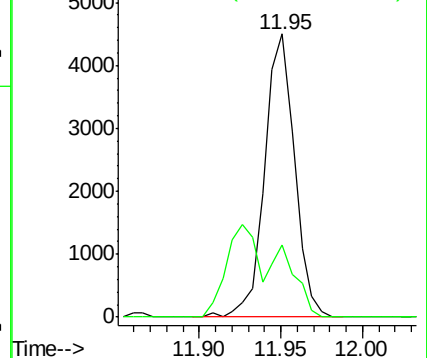
105 100

134 0.0 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: 0.275 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX002878.D

Acq: 25 Jun 2018 23:54

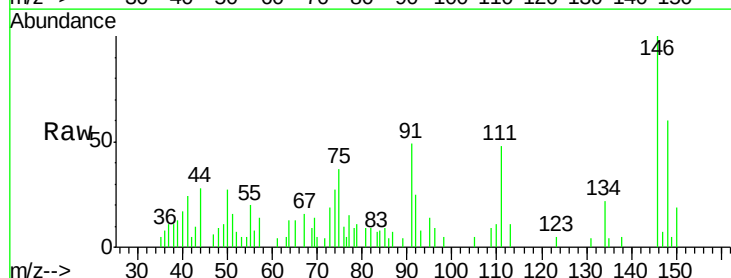
Tgt Ion:146 Resp: 1743

Ion Ratio Lower Upper

146 100

111 46.4 19.4 58.1

148 68.9 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

