

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062318\
 Data File : VW003488.D
 Acq On : 24 Jun 2018 04:56
 Operator : SY/AP
 Sample : J3670-08
 Misc : 5.68G/5ML/MSVOA W/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

Manual Integrations
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 6/26/2018 11:32:58 AM

Quant Time: Jun 25 04:53:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	140351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	226172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	213505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	261364	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	92638	60.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.88%	
35) Dibromofluoromethane	7.88	113	75184	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	10.33	98	391025	70.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	140.34%	
62) 4-Bromofluorobenzene	12.62	95	423456	214.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	429.44%	

Target Compounds						Qvalue
4) Vinyl Chloride	2.36	62	53184	34.03	ug/l	99
11) Tert butyl alcohol	5.25	59	5106m	62.63	ug/l	
16) Acetone	4.15	43	32794	102.86	ug/l	94
17) Carbon Disulfide	4.37	76	7744	2.06	ug/l #	87
20) Methylene Chloride	4.91	84	16305	9.03	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	233217	153.54	ug/l	93
31) Cyclohexane	7.93	56	175490	71.44	ug/l #	61
39) Methylcyclohexane	9.34	83	2487501	984.24	ug/l	96
40) Benzene	8.33	78	1697433	281.93	ug/l	99
44) Trichloroethene	9.10	130	74335	46.59	ug/l	99
52) Toluene	10.39	92	9796	2.54	ug/l	91
65) Chlorobenzene	11.65	112	23703264m	5331.29	ug/l	
67) Ethyl Benzene	11.74	91	297194	37.71	ug/l	97
73) Isopropylbenzene	12.48	105	1802428	99.15	ug/l	99
78) n-propylbenzene	12.81	91	2678115	120.31	ug/l	100
83) tert-Butylbenzene	13.21	119	1528002	117.50	ug/l	96
85) sec-Butylbenzene	13.40	105	4441105	229.76	ug/l #	37
87) 1,3-Dichlorobenzene	13.51	146	518169	59.58	ug/l #	38
88) 1,4-Dichlorobenzene	13.59	146	1429689	165.35	ug/l #	81
89) n-Butylbenzene	13.84	91	2857840	171.97	ug/l #	88
91) 1,2-Dichlorobenzene	13.88	146	1525262	200.21	ug/l #	79
95) Naphthalene	15.38	128	241190	26.59	ug/l #	80

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

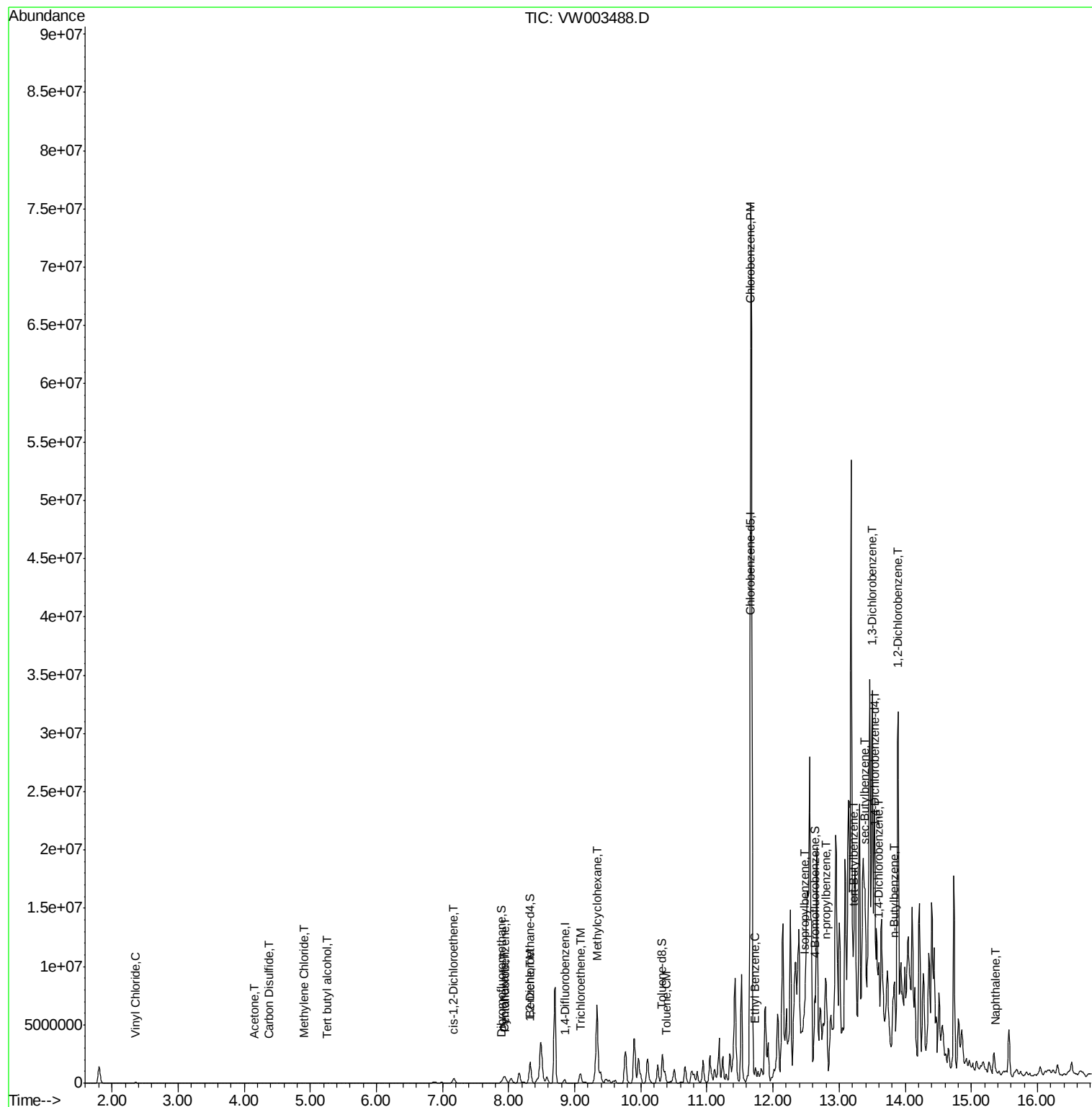
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062318\
Data File : VW003488.D
Acq On : 24 Jun 2018 04:56
Operator : SY/AP
Sample : J3670-08
Misc : 5.68G/5ML/MSVOA W/SOIL
ALS Vial : 42 Sample Multiplier: 1

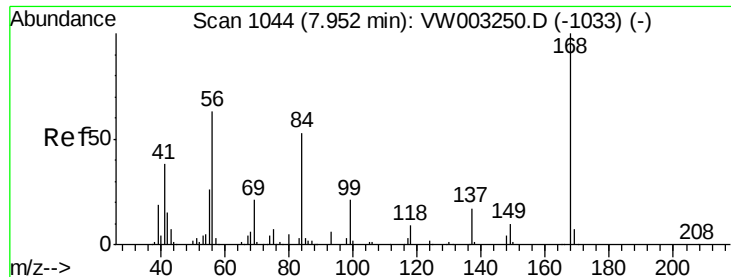
Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

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Quant Time: Jun 25 04:53:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion:168 Resp: 140351

Ion Ratio Lower Upper

168 100

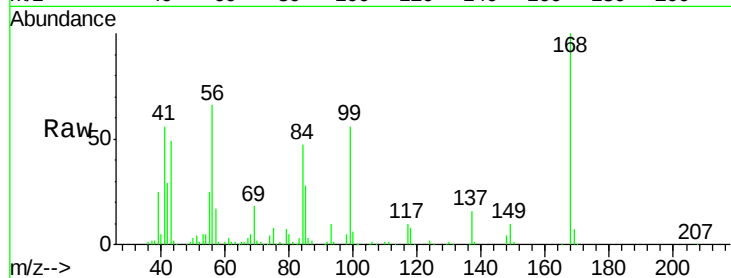
99 56.4 45.5 68.3

Manual Integrations

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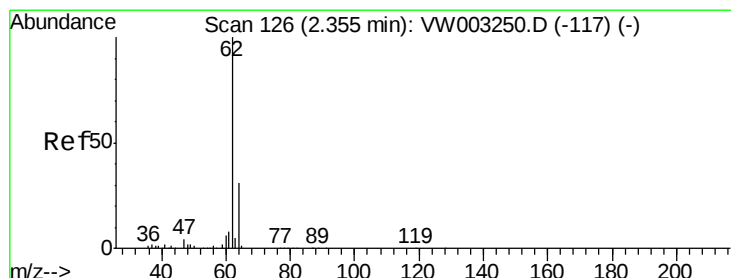
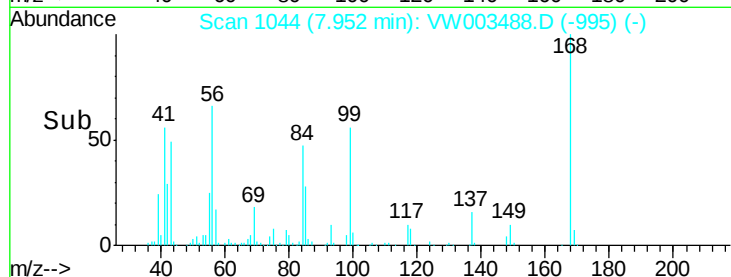
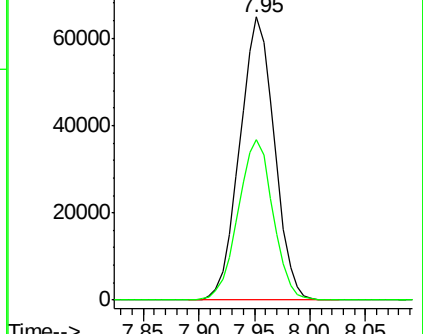
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#4

Vinyl Chloride

Concen: 34.03 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003488.D

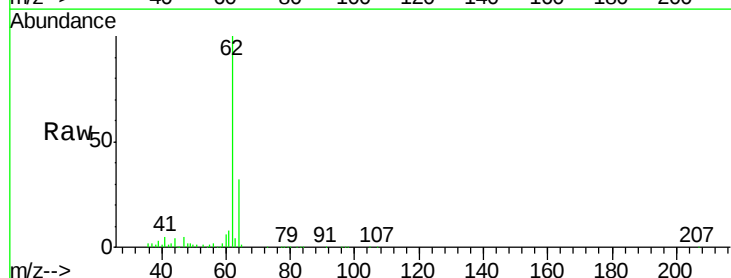
Acq: 24 Jun 2018 04:56

Tgt Ion: 62 Resp: 53184

Ion Ratio Lower Upper

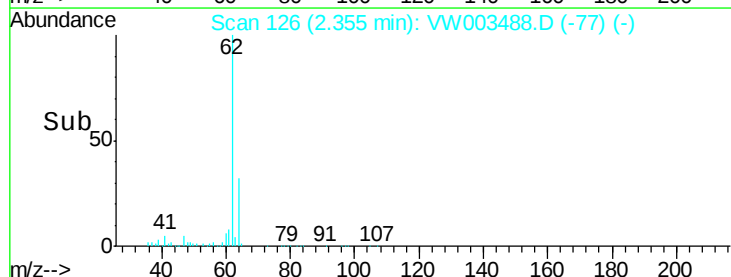
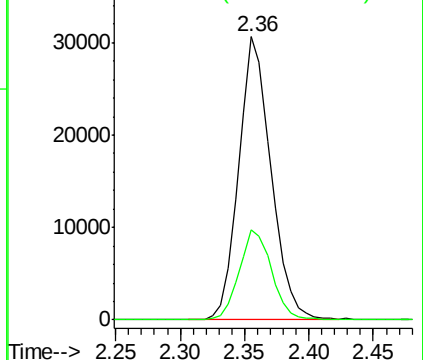
62 100

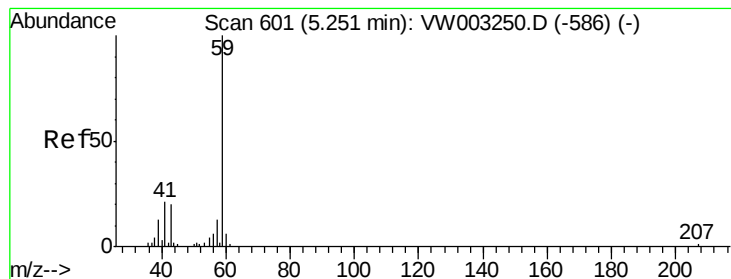
64 31.9 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#11

Tert butyl alcohol

Concen: 62.63 ug/l m

RT: 5.25 min Scan# 601

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tot Ion: 59 Resp: 5106

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#

Instrument :

MSVOA_W

ClientSampleId :

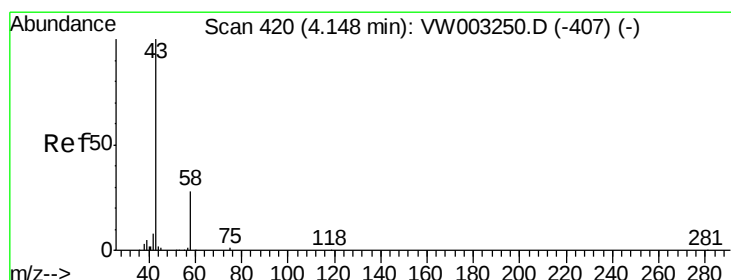
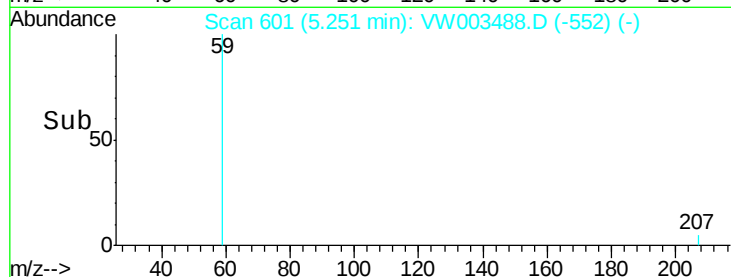
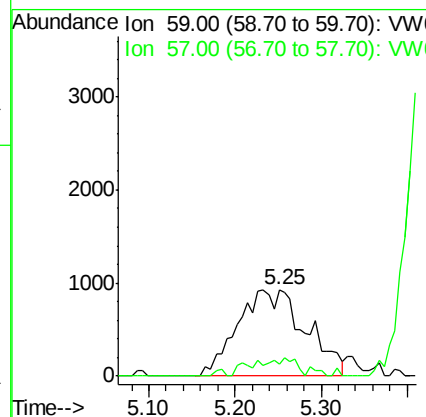
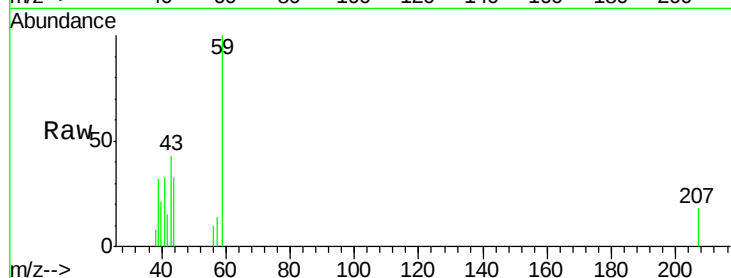
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#16

Acetone

Concen: 102.86 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003488.D

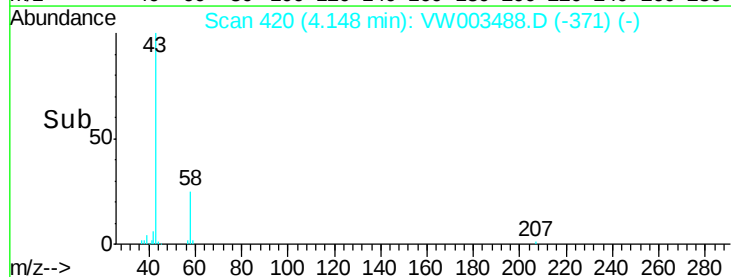
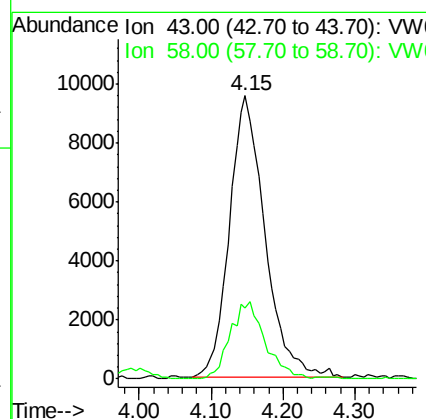
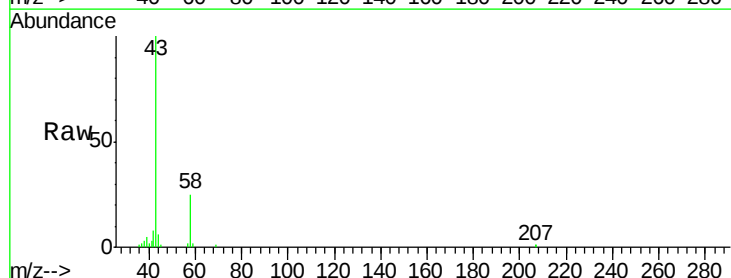
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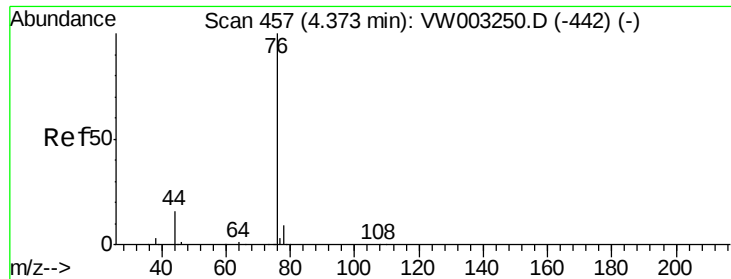
Tgt Ion: 43 Resp: 32794

Ion Ratio Lower Upper

43 100

58 25.3 22.6 34.0





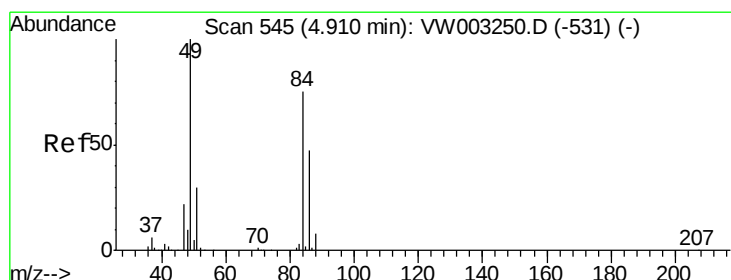
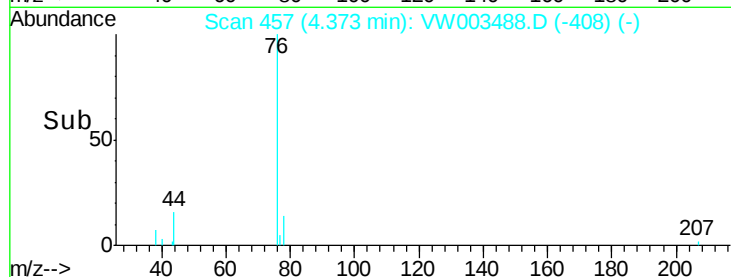
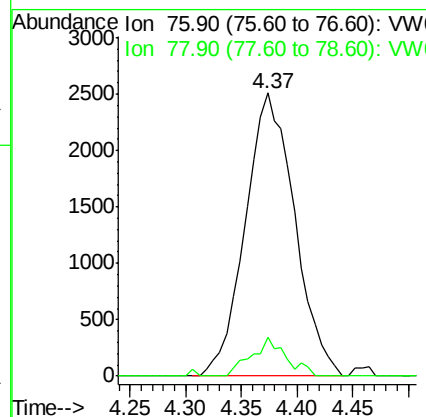
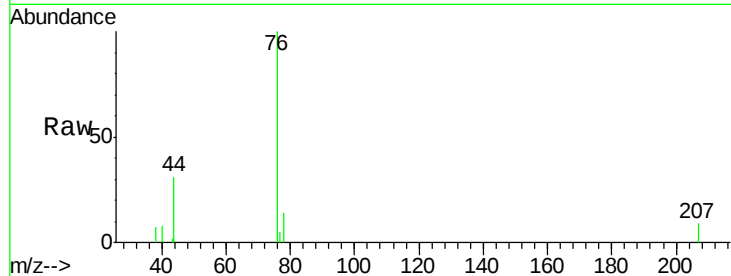
#17
Carbon Disulfide
Concen: 2.06 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.8	7.1	10.7#

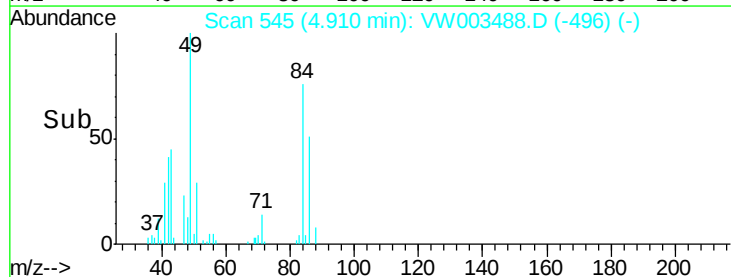
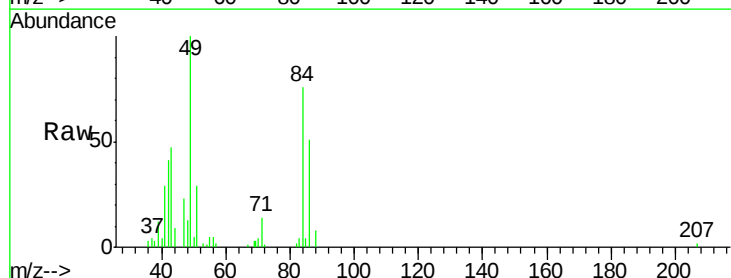
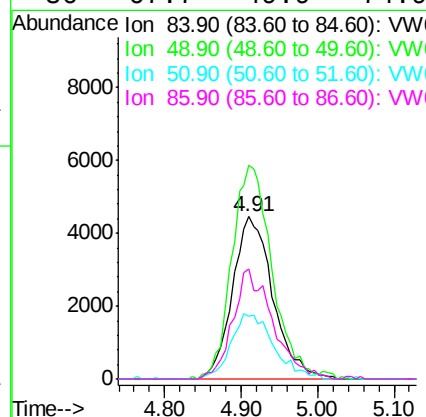
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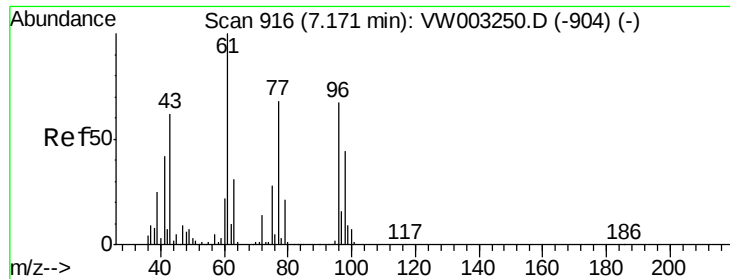
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#20
Methylene Chloride
Concen: 9.03 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.5	106.3	159.5
51	38.7	32.0	48.0
86	67.7	49.9	74.9





#27

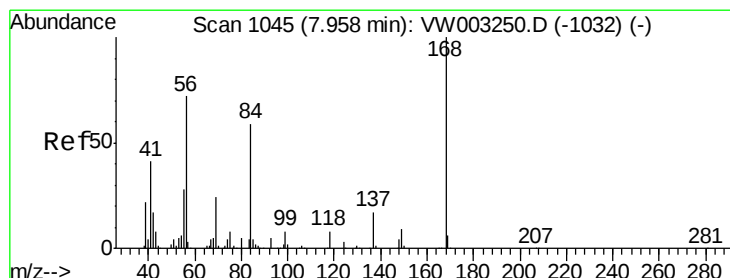
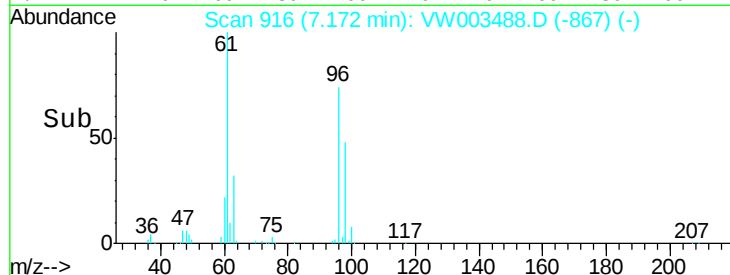
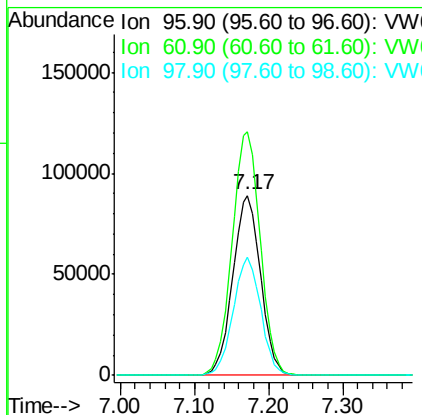
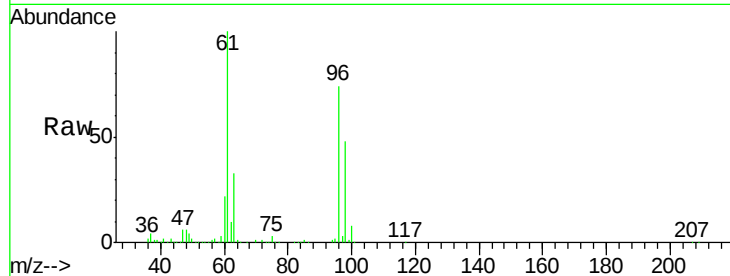
cis-1,2-Dichloroethene
Concen: 153.54 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

Tot Ion	Ratio	Resp	Lower	Upper
96	100	233217		
61	137.1	0.0	298.8	
98	64.7	0.0	130.4	

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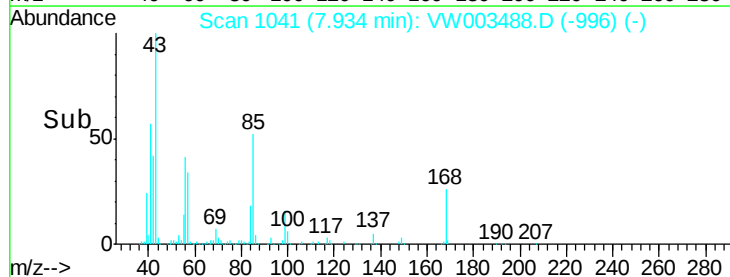
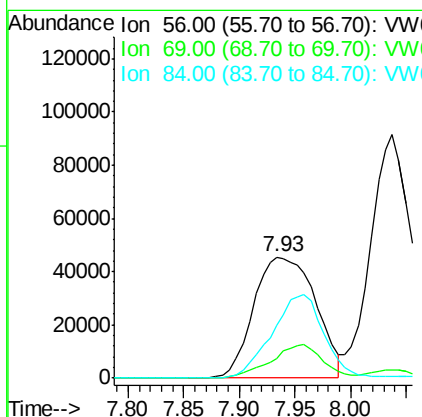
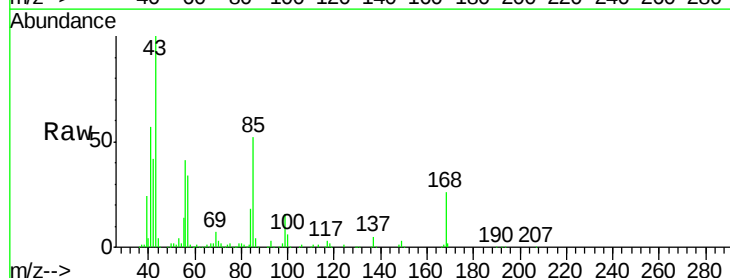
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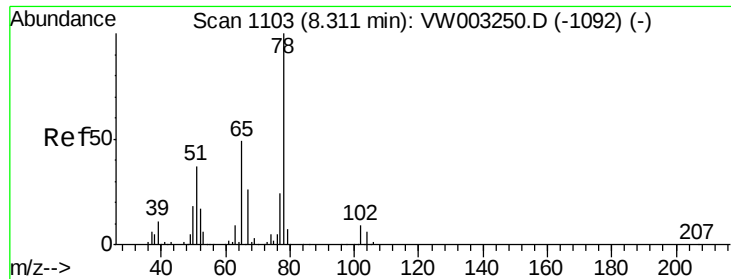


#31

Cyclohexane
Concen: 71.44 ug/l
RT: 7.93 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	175490		
69	15.4	26.3	39.5#	
84	44.1	65.7	98.5#	





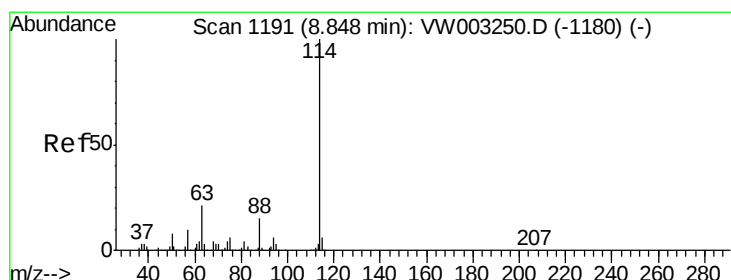
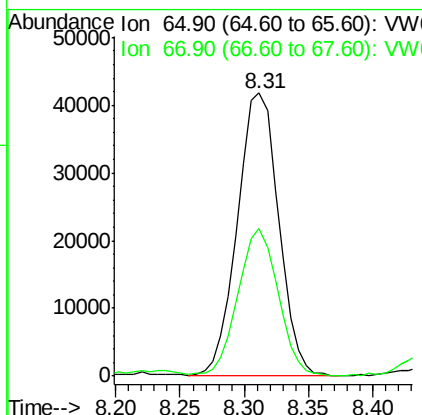
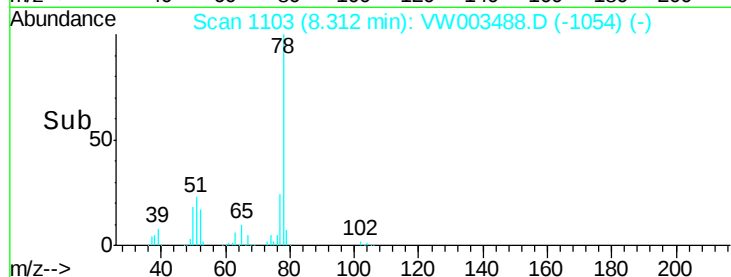
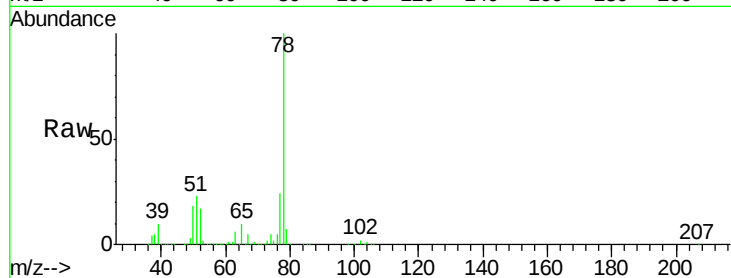
#33
 1,2-Dichloroethane-d4
 Concen: 60.94 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Instrument :
 MSVOA_W
 ClientSampleId :
 WP021SB487-23-25-180621

Tot Ion	Ratio	Resp	Lower	Upper
65	100	92638		
67	51.2	0.0	104.2	

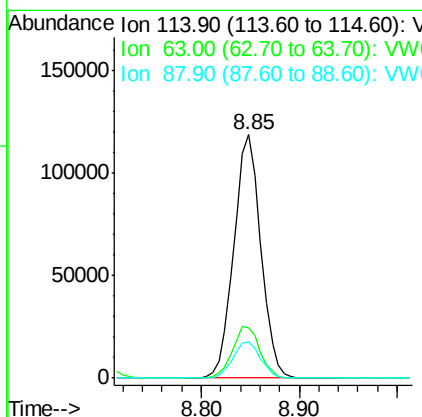
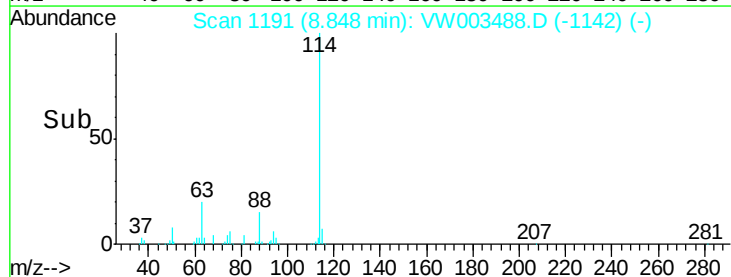
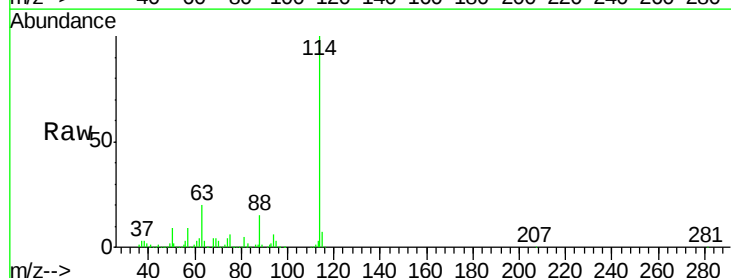
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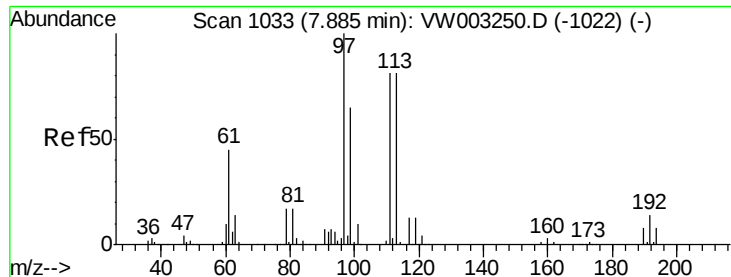
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003488.D
 Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	226172		
63	20.5	0.0	43.0	
88	14.9	0.0	29.6	





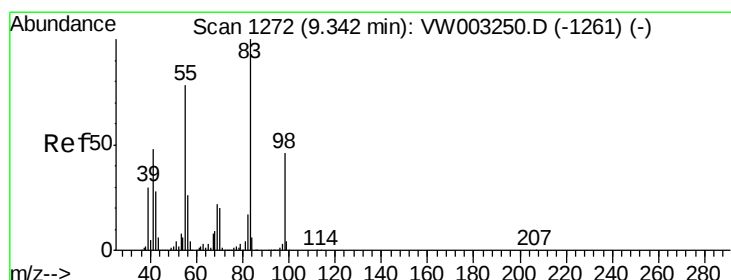
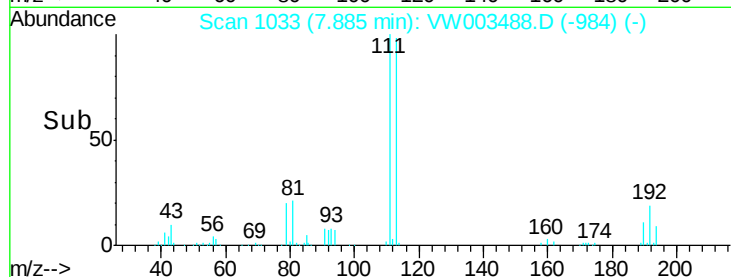
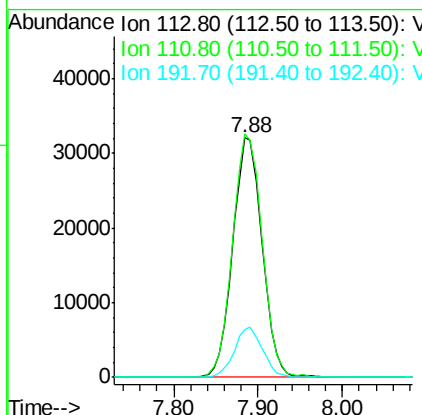
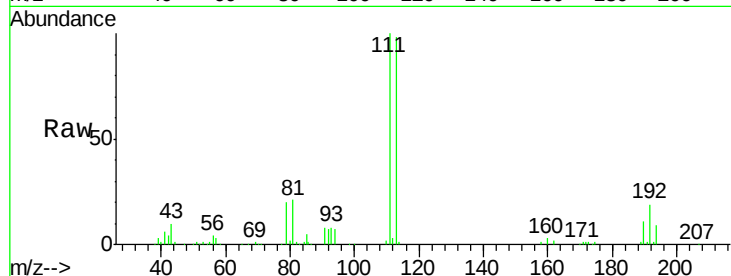
#35
Dibromofluoromethane
Concen: 53.50 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		75184		
111	103.0	82.2	123.2		
192	20.1	16.2	24.2		

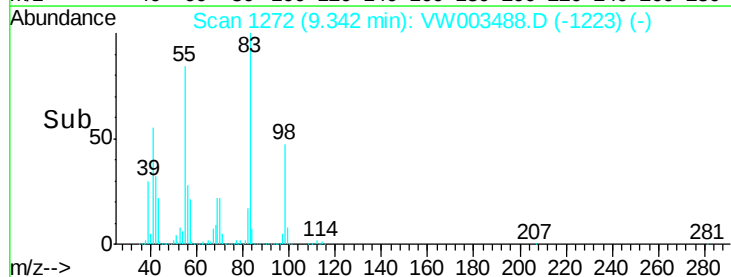
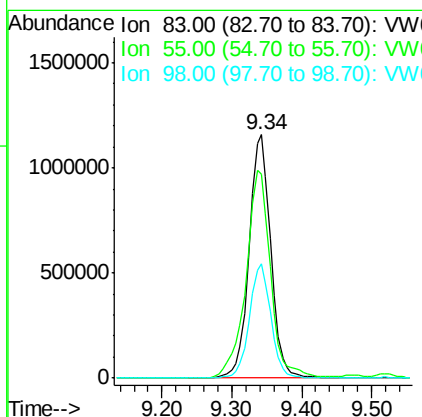
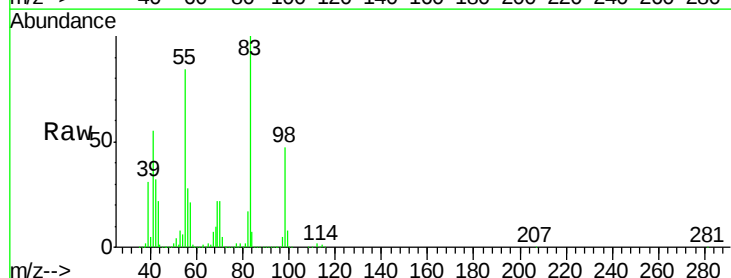
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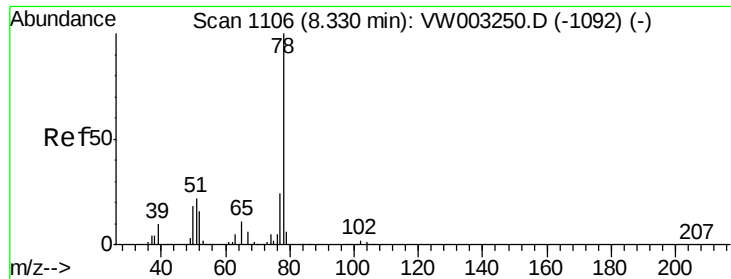
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#39
Methylcyclohexane
Concen: 984.24 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		2487501		
55	83.7	62.6	93.8		
98	46.9	37.0	55.4		





#40

Benzene

Concen: 281.93 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion: 78 Resp: 1697433

Ion Ratio Lower Upper

78 100

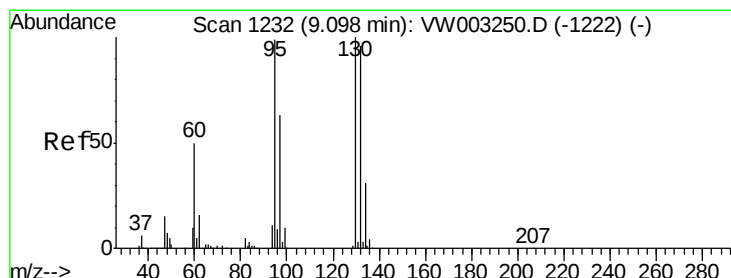
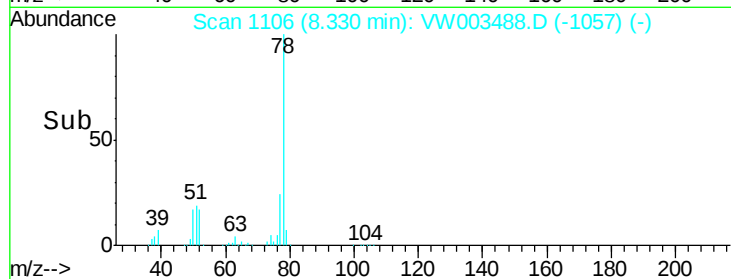
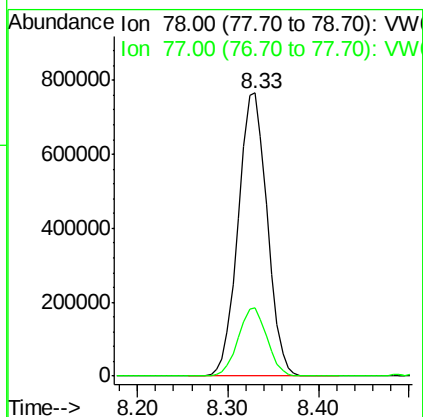
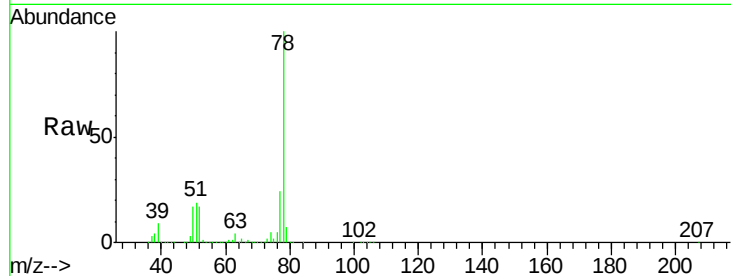
77 24.2 19.0 28.6

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#44

Trichloroethene

Concen: 46.59 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003488.D

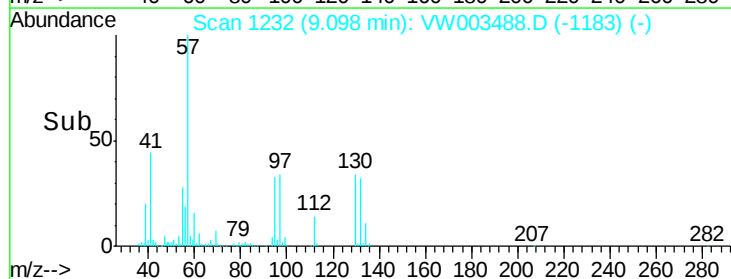
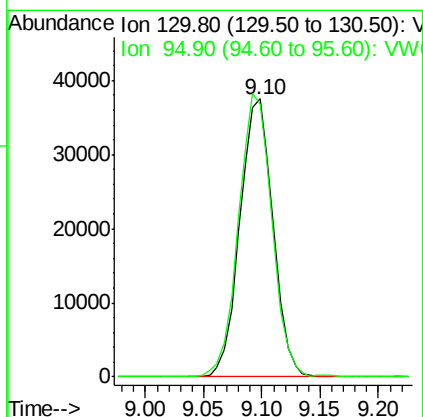
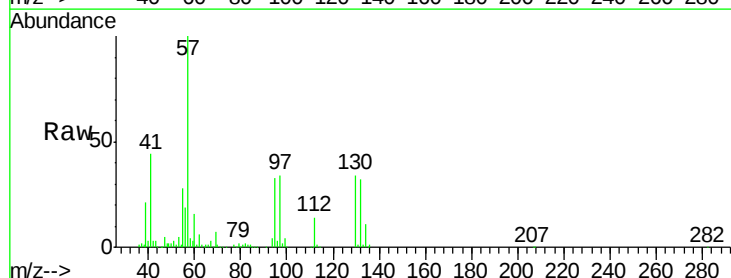
Acq: 24 Jun 2018 04:56

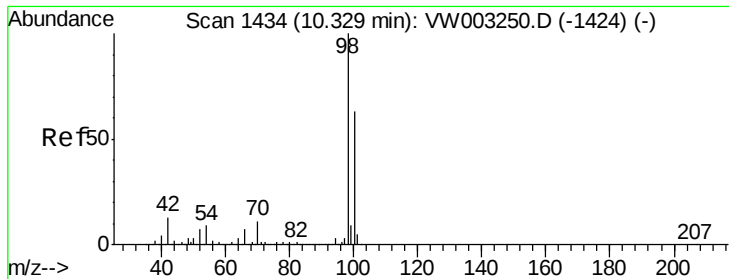
Tgt Ion:130 Resp: 74335

Ion Ratio Lower Upper

130 100

95 98.5 0.0 198.0





#50

Toluene-d8

Concen: 70.17 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion: 98 Resp: 391025

Ion Ratio Lower Upper

98 100

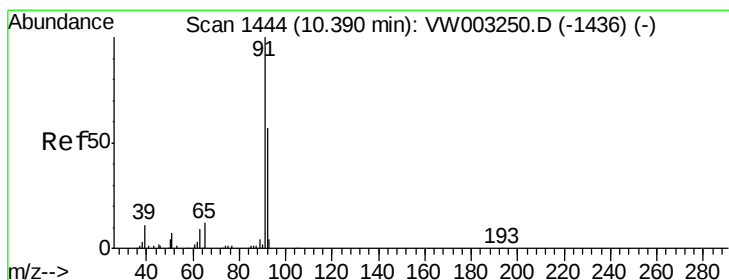
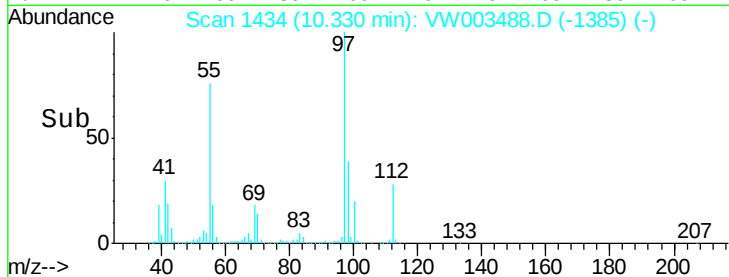
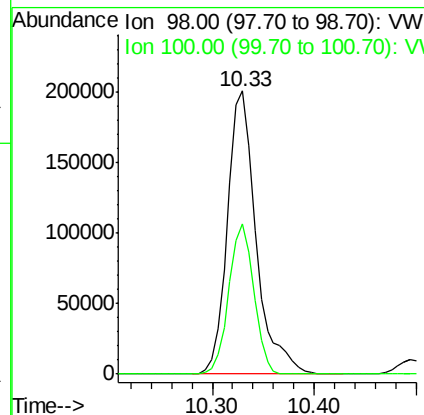
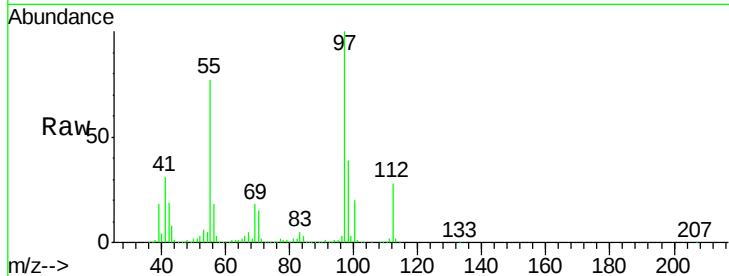
100 46.2 50.8 76.2#

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#52

Toluene

Concen: 2.54 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003488.D

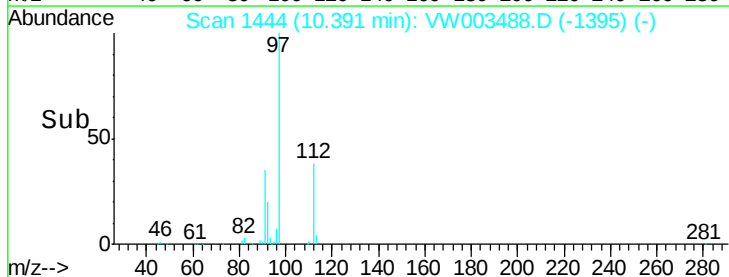
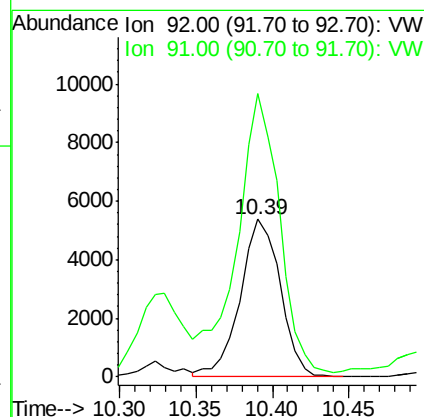
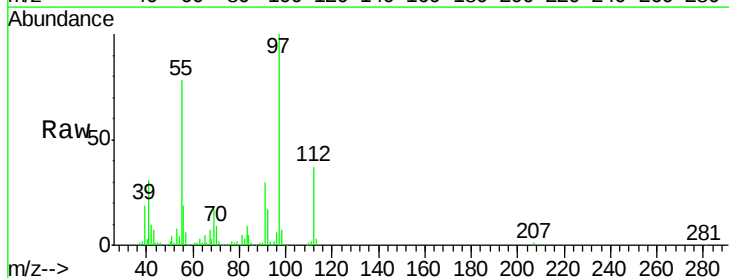
Acq: 24 Jun 2018 04:56

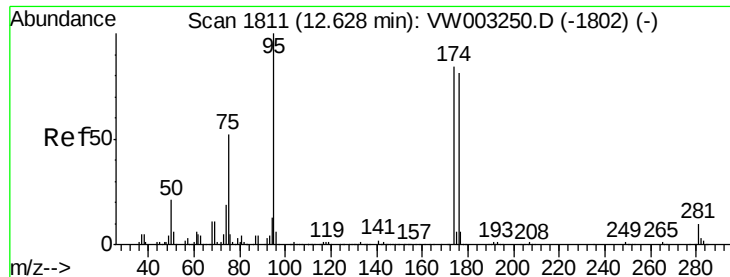
Tgt Ion: 92 Resp: 9796

Ion Ratio Lower Upper

92 100

91 188.5 141.1 211.7





#62

4-Bromofluorobenzene

Concen: 214.72 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

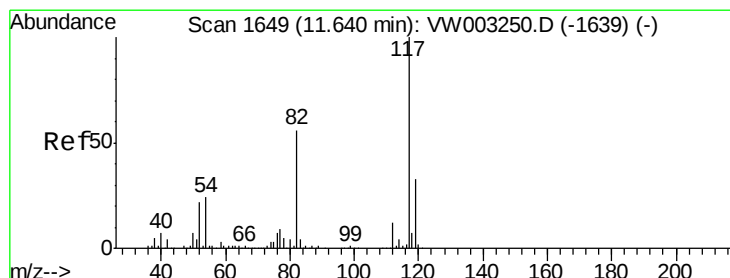
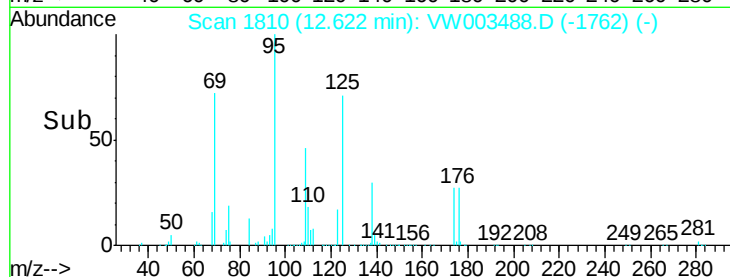
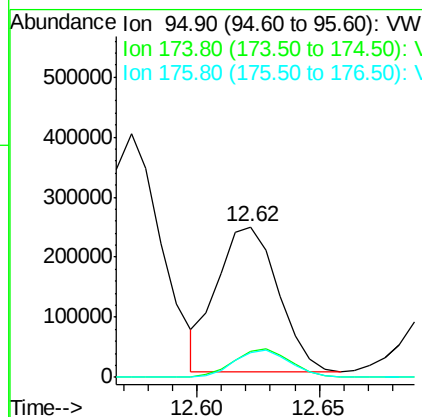
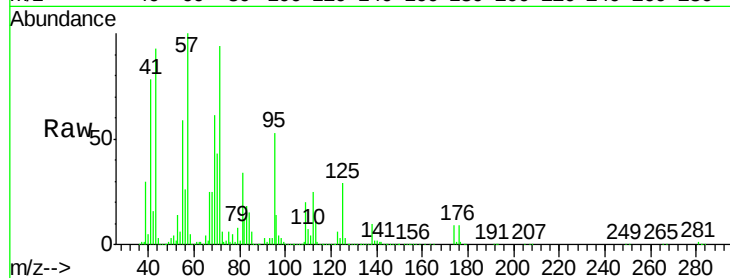
ClientSampleId :

WP021SB487-23-25-180621

Tot Ion:	95	Resp:	423456
Ion Ratio	Lower	Upper	
95	100		
174	18.0	0.0	166.4
176	17.2	0.0	162.0

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

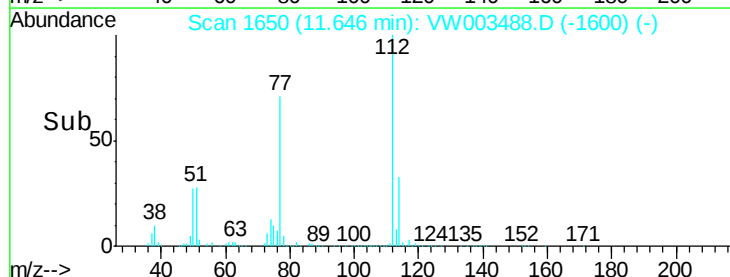
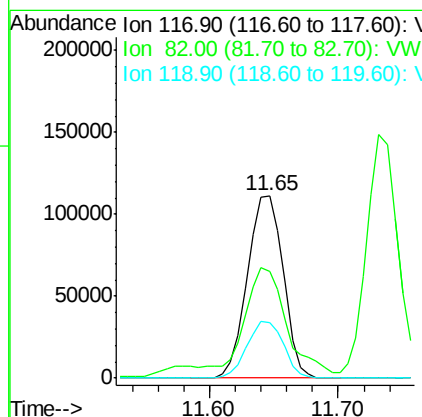
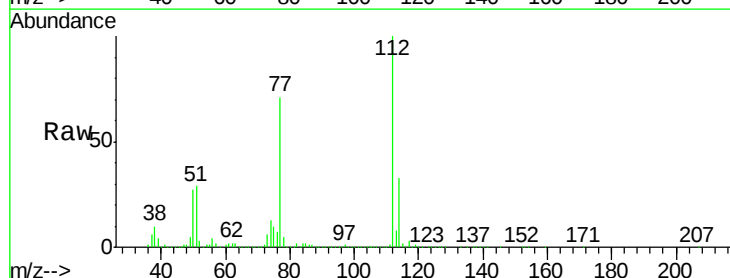
RT: 11.65 min Scan# 1650

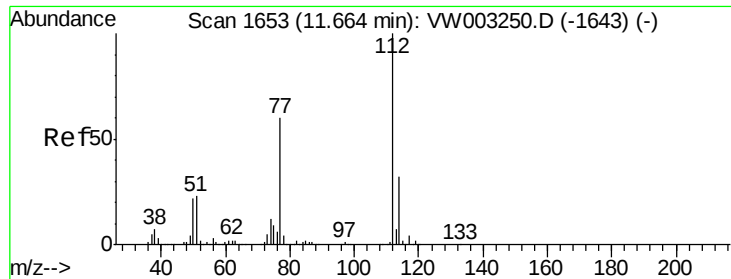
Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion:	117	Resp:	213505
Ion Ratio	Lower	Upper	
117	100		
82	55.0	44.6	67.0
119	30.2	26.7	40.1





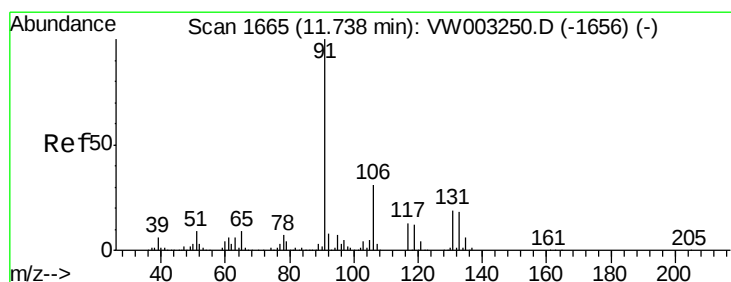
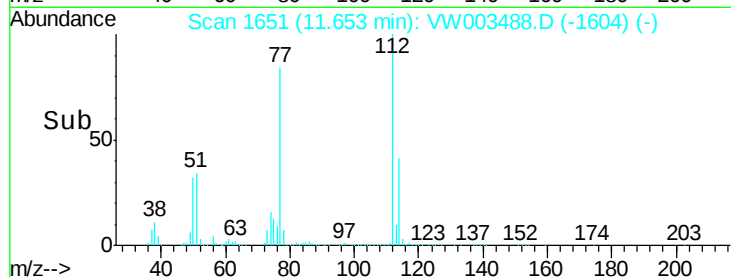
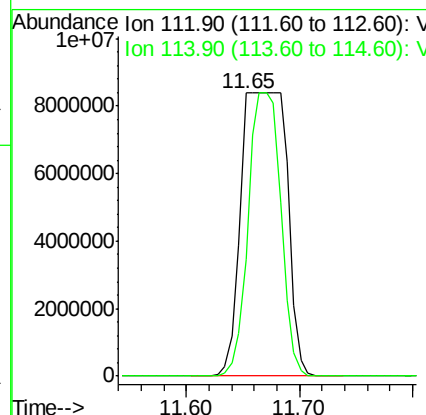
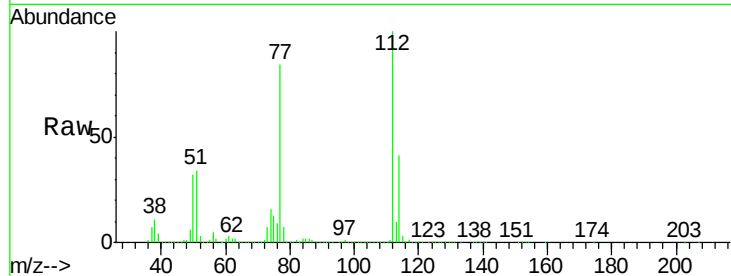
#65
Chlorobenzene
Concen: 5331.29 ug/l m
RT: 11.65 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Instrument :
MSVOA_W
ClientSampleId :
WP021SB487-23-25-180621

Tot Ion:112 Resp:23703264
Ion Ratio Lower Upper
112 100
114 41.5 25.9 38.9#

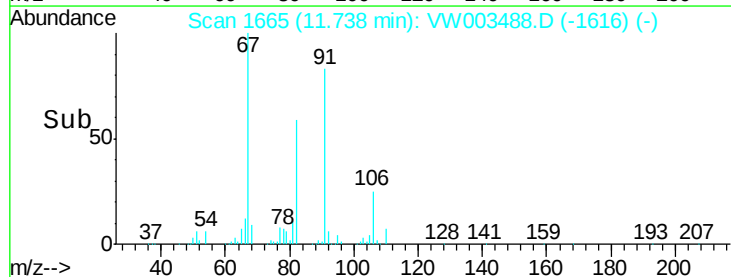
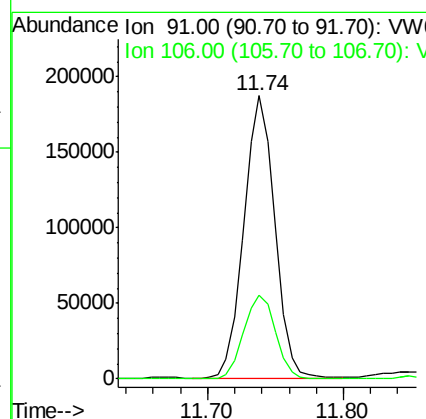
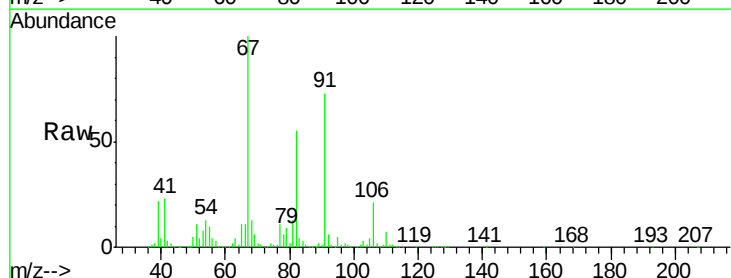
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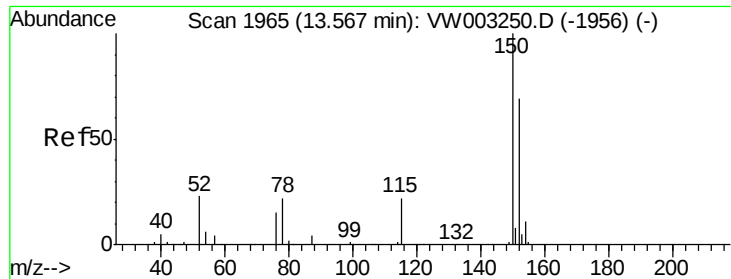
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#67
Ethyl Benzene
Concen: 37.71 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003488.D
Acq: 24 Jun 2018 04:56

Tgt Ion: 91 Resp: 297194
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.55 min Scan# 1962

Delta R.T. -0.02 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

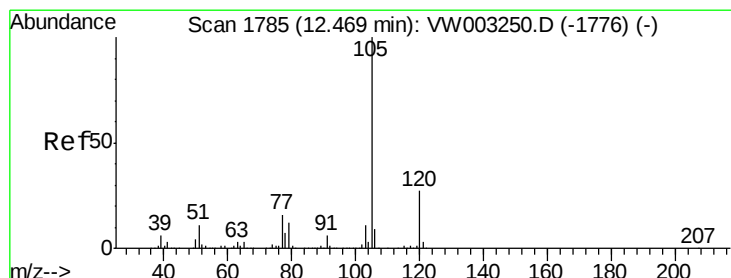
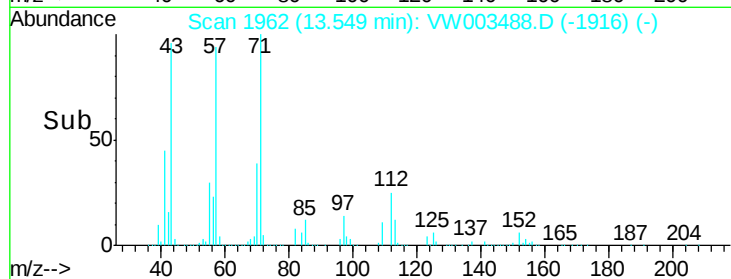
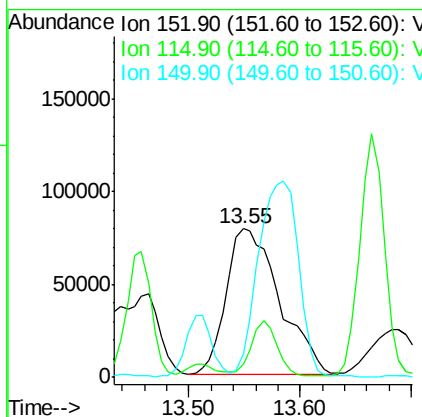
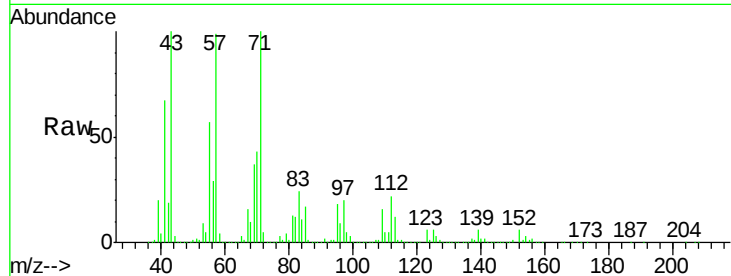
ClientSampleId :

WP021SB487-23-25-180621

Tot Ion	Ratio	Lower	Upper
152	100		
115	18.9	29.3	88.0#
150	0.0	0.0	349.6

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#73

Isopropylbenzene

Concen: 99.15 ug/l

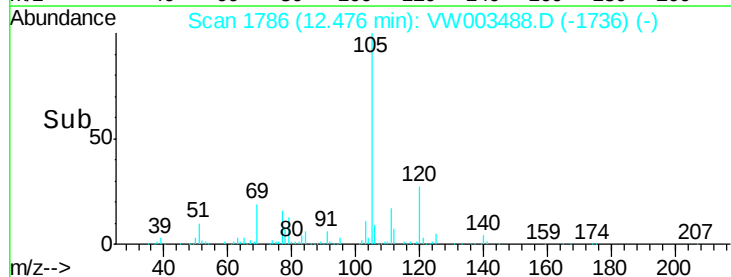
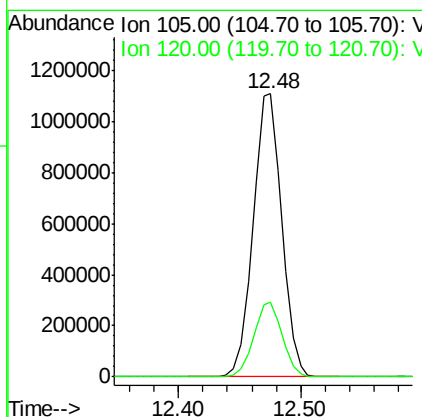
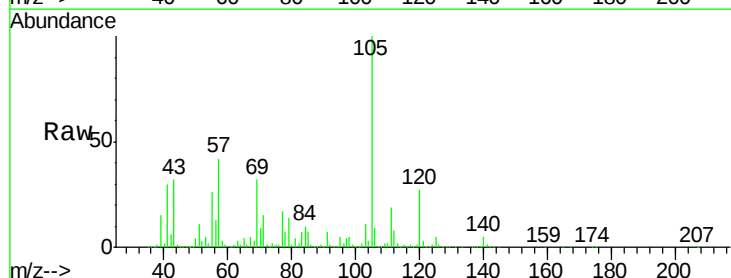
RT: 12.48 min Scan# 1786

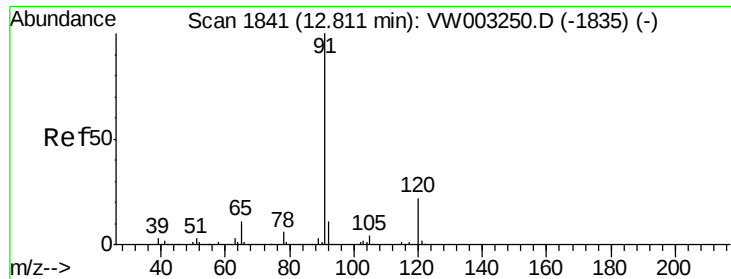
Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6





#78

n-propylbenzene

Concen: 120.31 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion: 91 Resp: 2678115

Ion Ratio Lower Upper

91 100

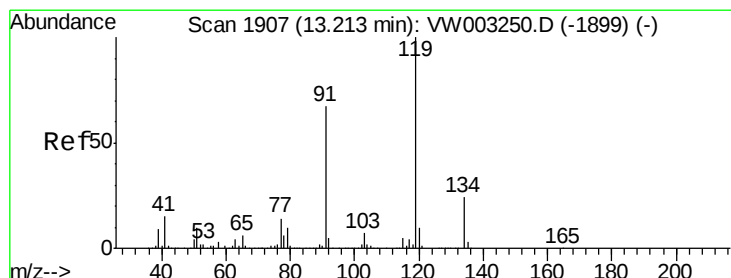
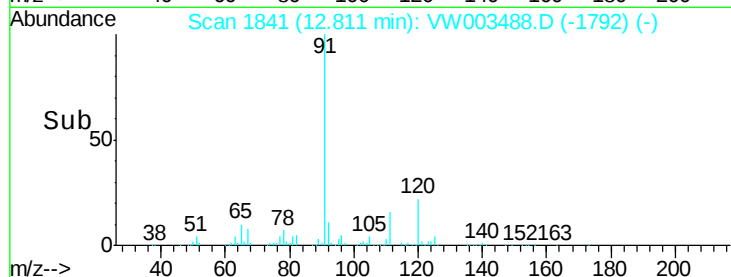
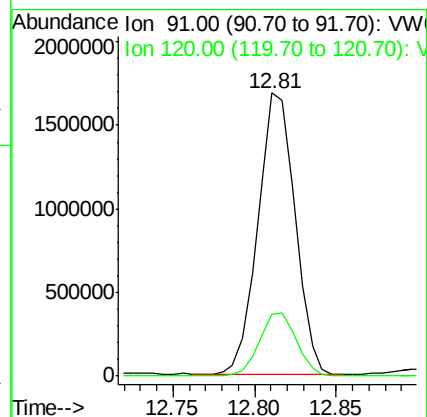
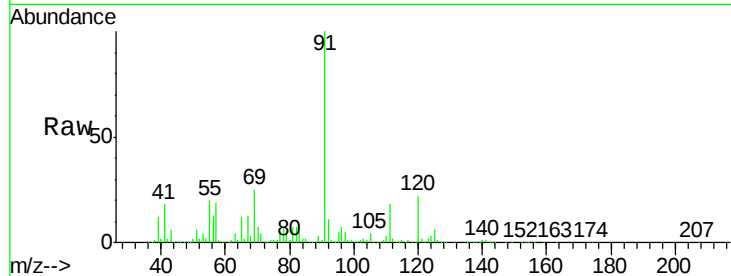
120 22.3 11.3 33.8

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#83

tert-Butylbenzene

Concen: 117.50 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

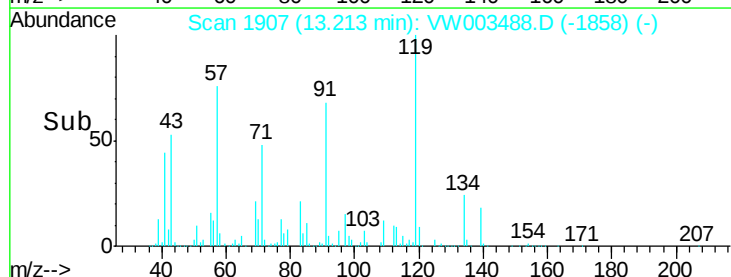
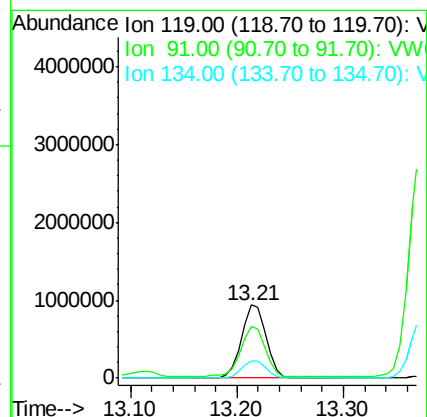
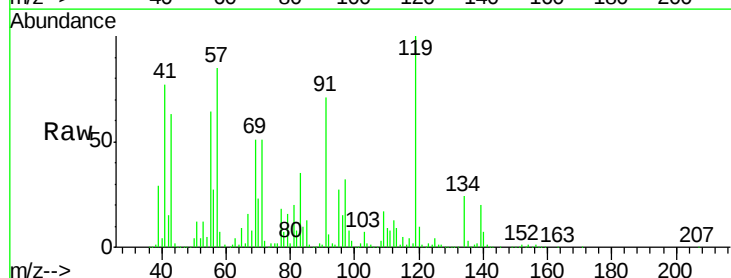
Tgt Ion: 119 Resp: 1528002

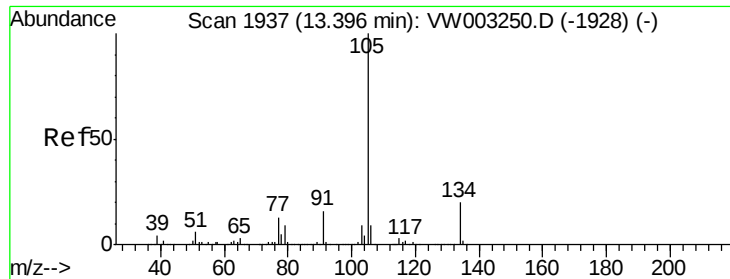
Ion Ratio Lower Upper

119 100

91 70.2 33.9 101.7

134 24.1 13.4 40.1





#85

sec-Butylbenzene

Concen: 229.76 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion:105 Resp: 4441105

Ion Ratio Lower Upper

105 100

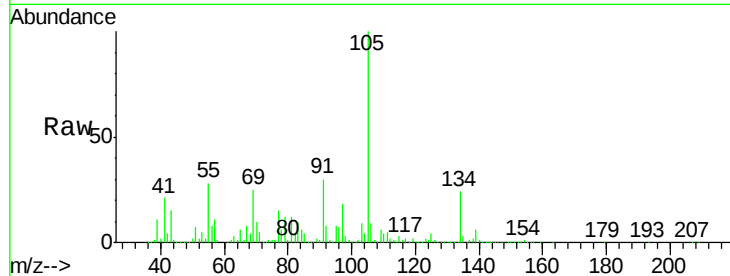
134 48.3 9.8 29.5#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

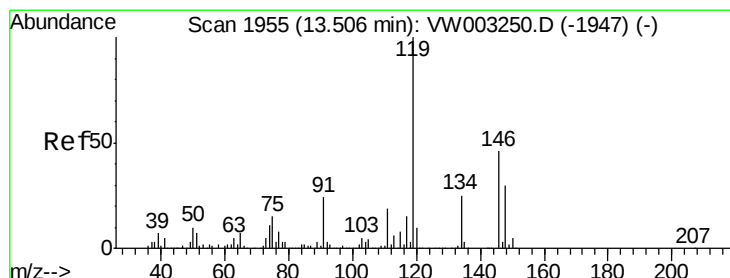
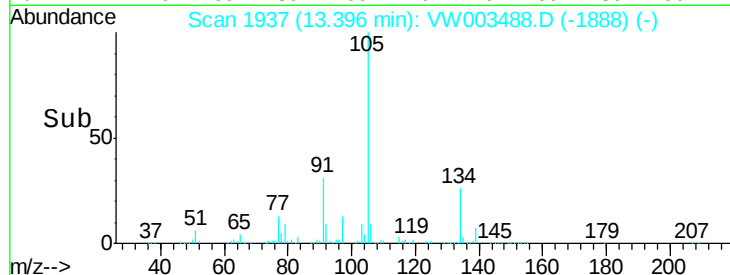
3000000

2000000

1000000

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 59.58 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

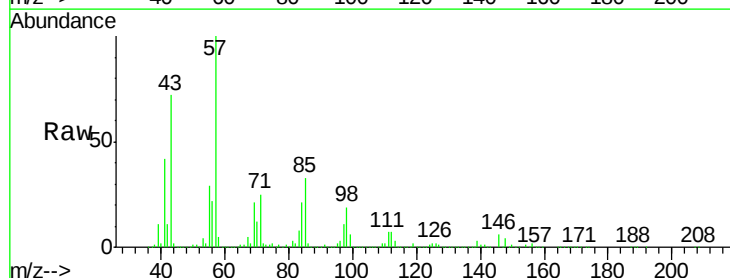
Tgt Ion:146 Resp: 518169

Ion Ratio Lower Upper

146 100

111 138.5 19.8 59.4#

148 63.7 32.1 96.5



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

1200000

1000000

800000

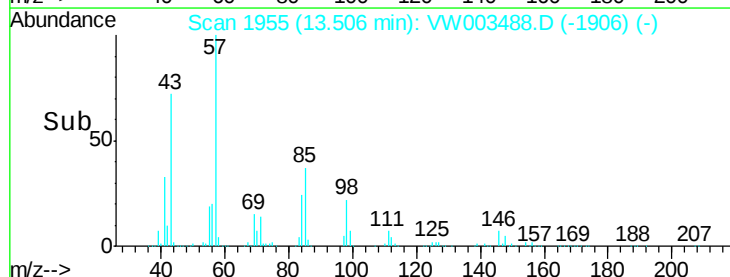
600000

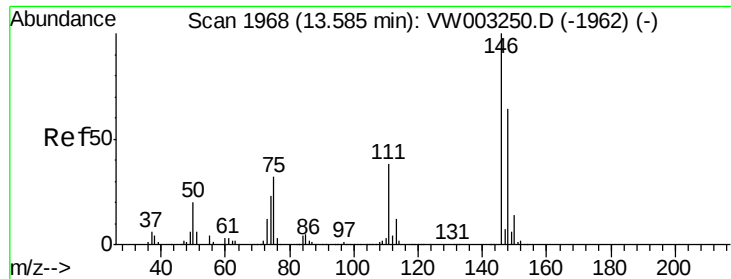
400000

200000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 165.35 ug/l

RT: 13.59 min Scan# 1969

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

ClientSampleId :

WP021SB487-23-25-180621

Tot Ion:146 Resp: 1429689

Ion Ratio Lower Upper

146 100

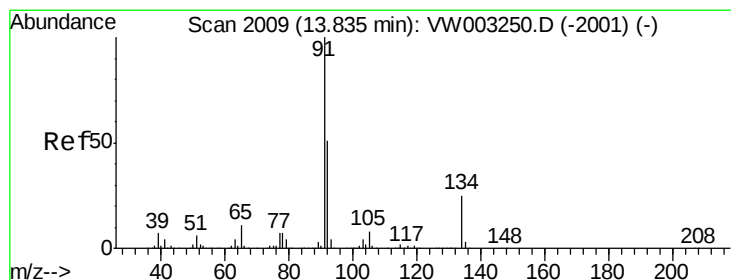
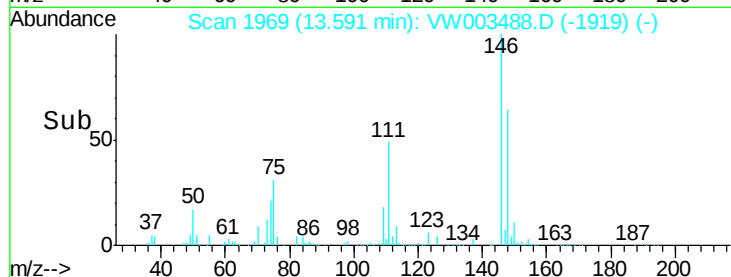
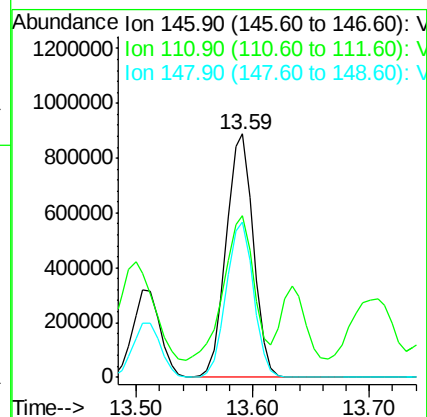
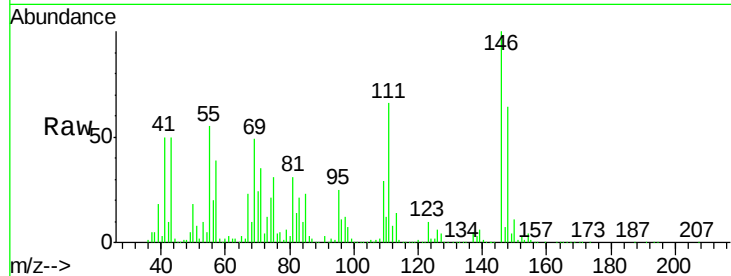
111 67.7 19.2 57.6#

148 64.1 31.8 95.4

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#89

n-Butylbenzene

Concen: 171.97 ug/l

RT: 13.84 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

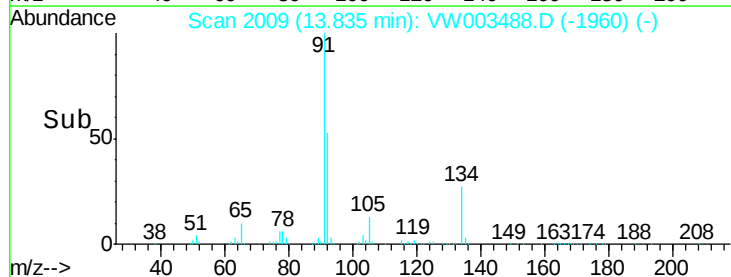
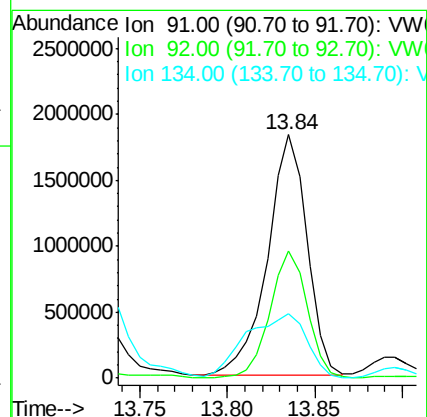
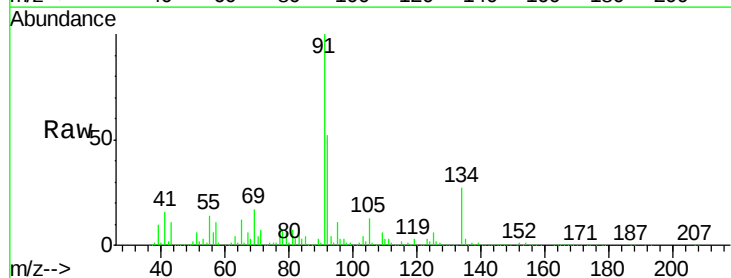
Tgt Ion: 91 Resp: 2857840

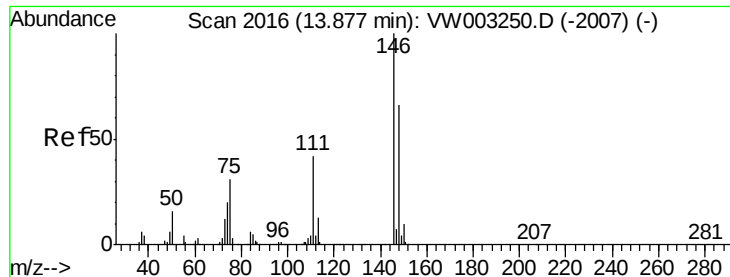
Ion Ratio Lower Upper

91 100

92 49.7 26.0 78.0

134 40.4 12.7 38.0#





#91

1,2-Dichlorobenzene

Concen: 200.21 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. 0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Instrument :

MSVOA_W

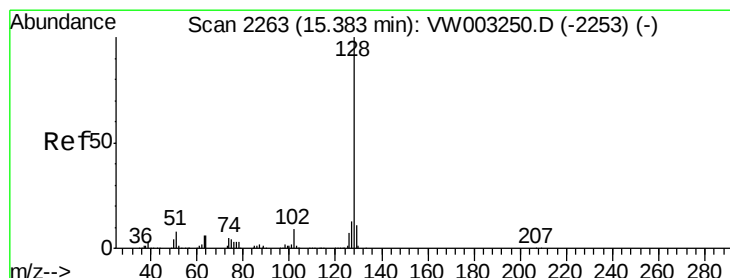
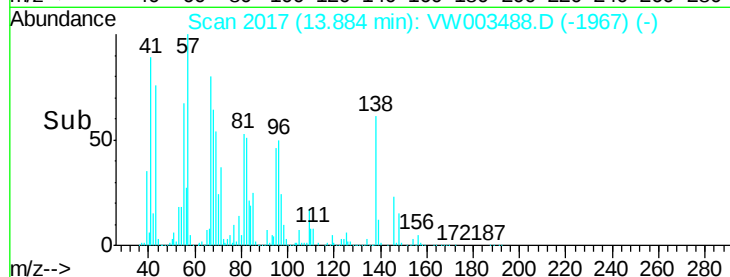
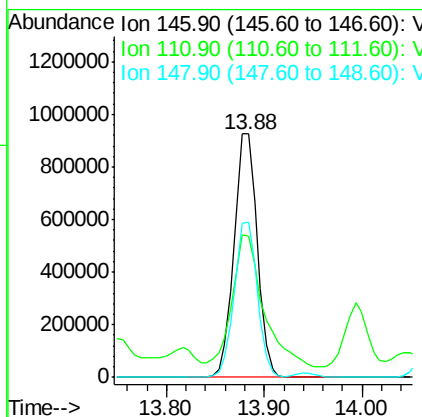
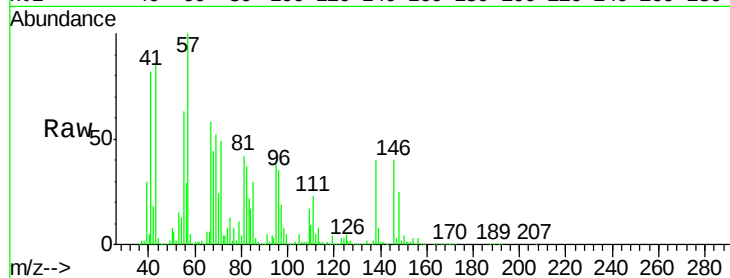
ClientSampleId :

WP021SB487-23-25-180621

Tot Ion	Ratio	Lower	Upper
146	100		
111	73.6	20.3	61.0#
148	63.7	32.3	96.9

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#95

Naphthalene

Concen: 26.59 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003488.D

Acq: 24 Jun 2018 04:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	27.6	10.5	15.7#
129	10.7	8.9	13.3

