

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008052.D
 Acq On : 04 Jan 2019 17:16
 Operator : SY/AP
 Sample : K1044-07
 Misc : 5.01G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(10-15)

Manual Integrations
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 1/7/2019 1:27:02 PM

Quant Time: Jan 05 02:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	59733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	100667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	71870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	20595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38943	58.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.88%	
35) Dibromofluoromethane	7.88	113	32193	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	10.32	98	112884	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	
62) 4-Bromofluorobenzene	12.62	95	33937	37.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.34%	

Target Compounds

						Qvalue
16) Acetone	4.14	43	2441m	23.868	ug/l	
17) Carbon Disulfide	4.38	76	41359	22.577	ug/l	100
20) Methylene Chloride	4.92	84	2632	1.886	ug/l	89
39) Methylcyclohexane	9.34	83	8935	7.218	ug/l	91
40) Benzene	8.32	78	19346	7.385	ug/l	99
44) Trichloroethene	9.09	130	4258	5.508	ug/l	99
52) Toluene	10.39	92	59295	34.285	ug/l	100
64) Tetrachloroethene	10.87	164	3280	6.607	ug/l	88
67) Ethyl Benzene	11.73	91	219837	80.633	ug/l #	88
68) m/p-Xylenes	11.85	106	54594	51.795	ug/l	100
69) o-Xylene	12.17	106	72220	73.635	ug/l	98
73) Isopropylbenzene	12.47	105	48202	29.433	ug/l	97
78) n-propylbenzene	12.81	91	129094	67.989	ug/l	95
80) 1,3,5-Trimethylbenzene	12.95	105	216408	153.518	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	660162	462.353	ug/l	98
85) sec-Butylbenzene	13.39	105	84414	49.755	ug/l #	74
86) p-Isopropyltoluene	13.51	119	71178	46.512	ug/l	96
89) n-Butylbenzene	13.83	91	82831	59.175	ug/l #	71
95) Naphthalene	15.38	128	167175	223.931	ug/l	97

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

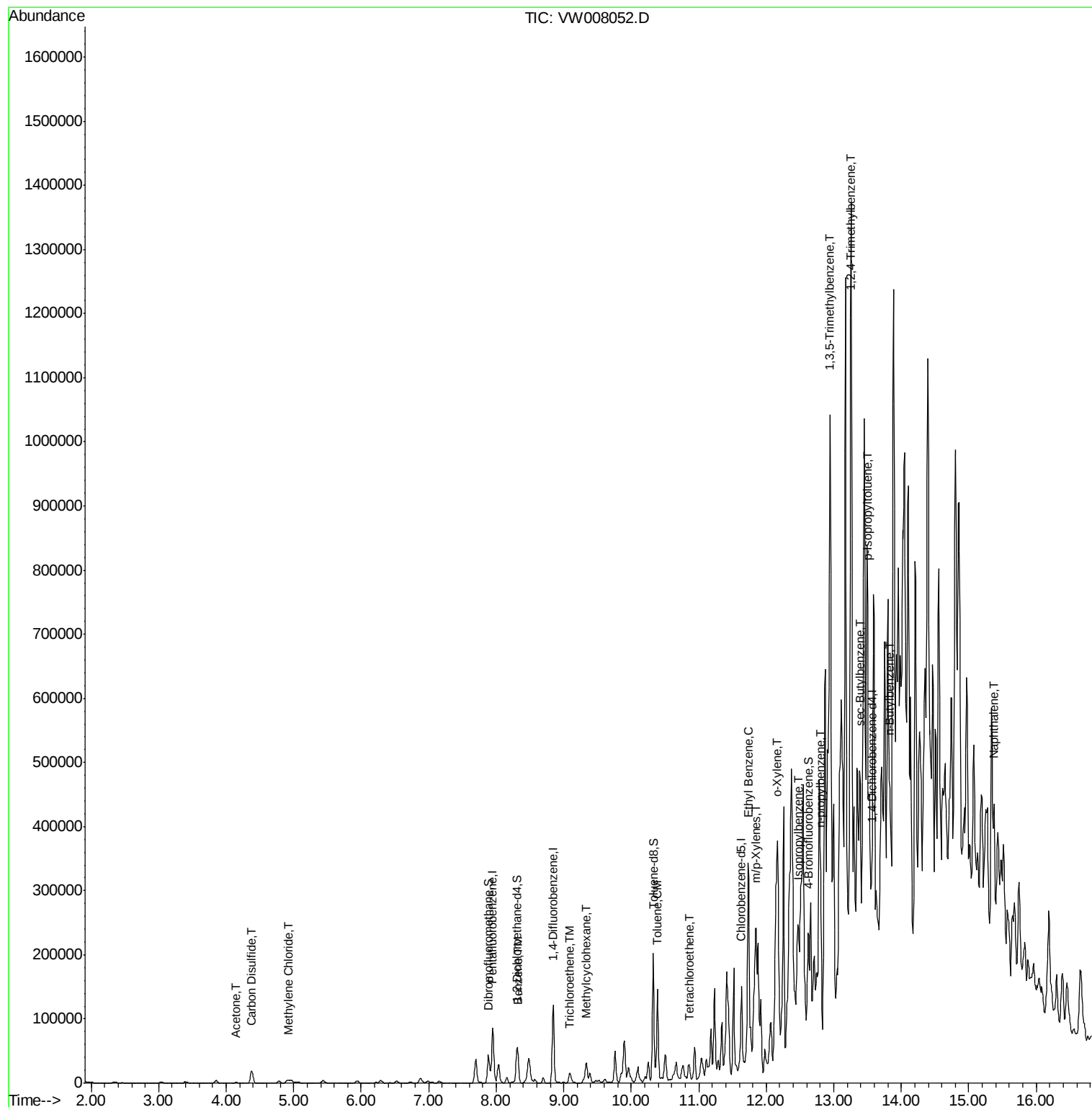
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010419\
Data File : VW008052.D
Acq On : 04 Jan 2019 17:16
Operator : SY/AP
Sample : K1044-07
Misc : 5.01G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

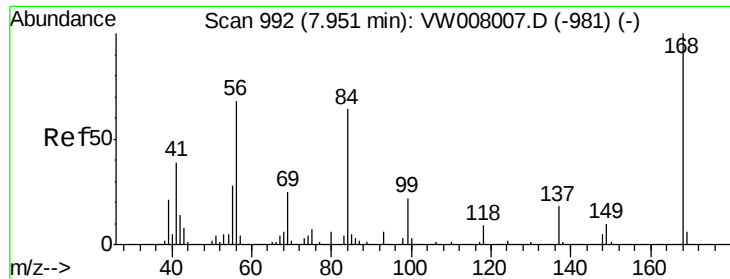
Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Manual Integrations
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1/7/2019 1:27:02 PM

Quant Time: Jan 05 02:33:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 03 05:03:55 2019
Response via : Initial Calibration





#1

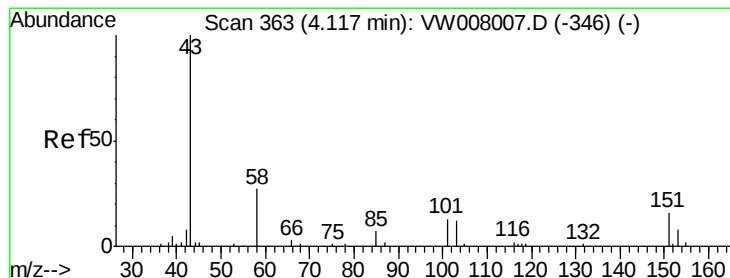
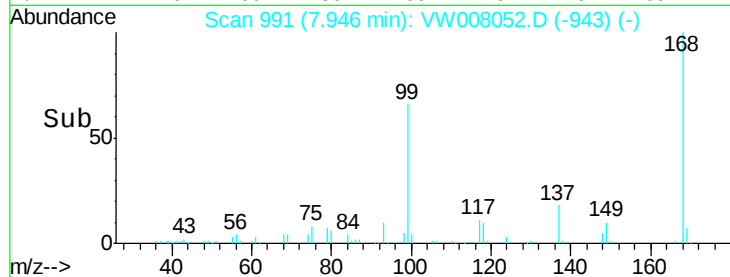
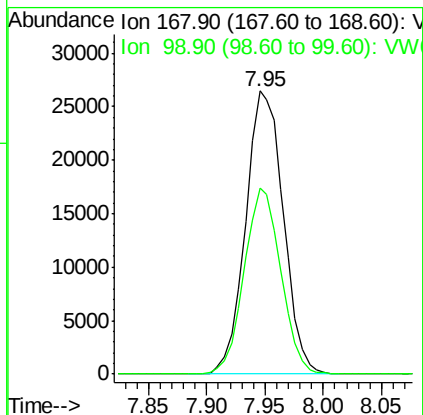
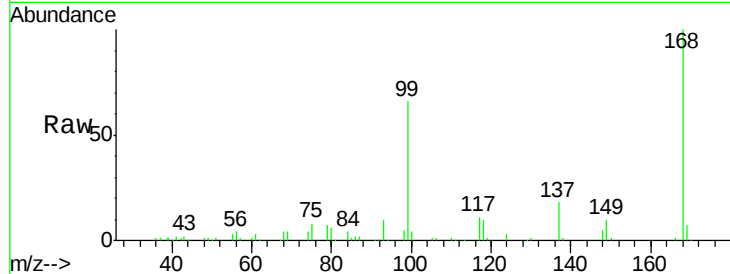
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW008052.D
 Acq: 04 Jan 2019 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-09(10-15)

Tot Ion	168	Resp	59733
Ion Ratio	100	Lower	Upper
99	65.6	51.6	77.4

Manual Integrations
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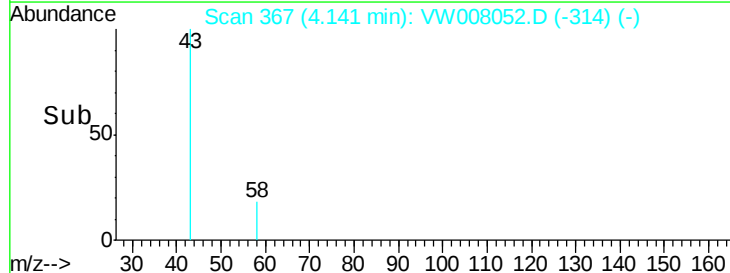
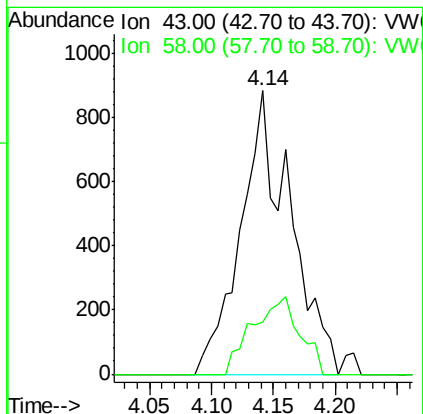
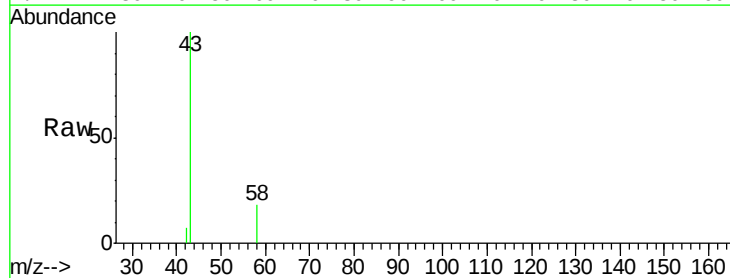
MMDadoda
 1/7/2019 1:27:02 PM

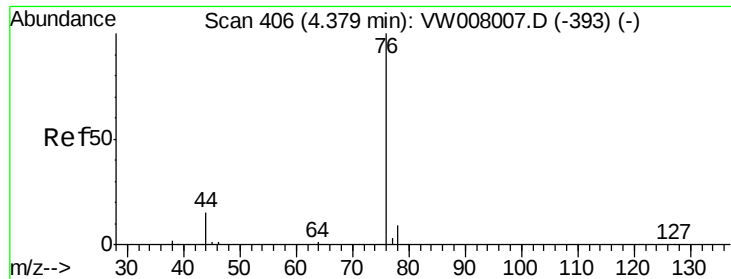


#16

Acetone
 Concen: 23.868 ug/l m
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW008052.D
 Acq: 04 Jan 2019 17:16

Tgt Ion	43	Resp	2441
Ion Ratio	100	Lower	Upper
58	18.5	21.7	32.5#





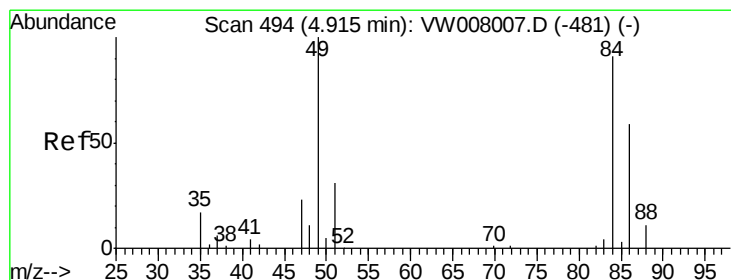
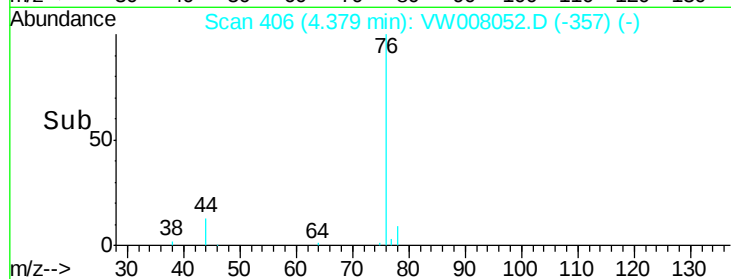
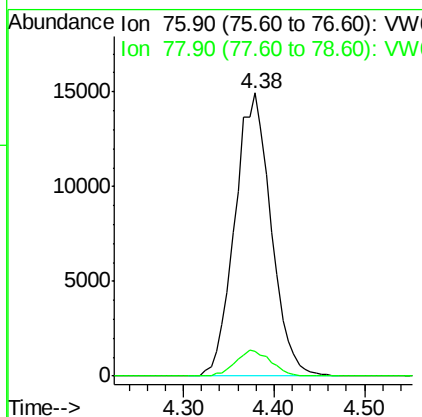
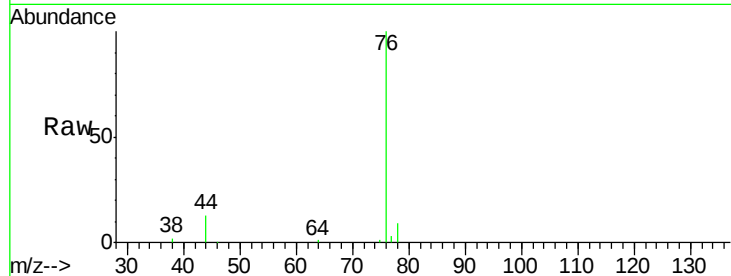
#17
Carbon Disulfide
Concen: 22.577 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

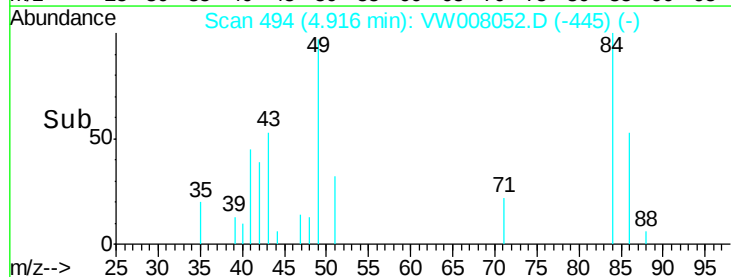
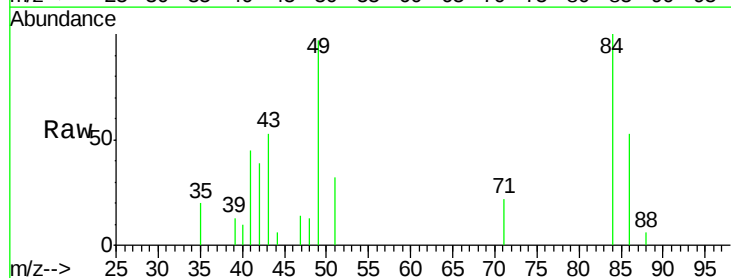
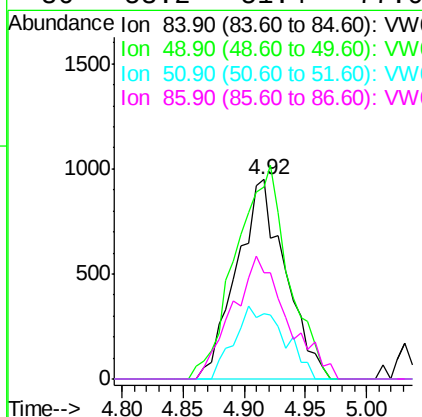
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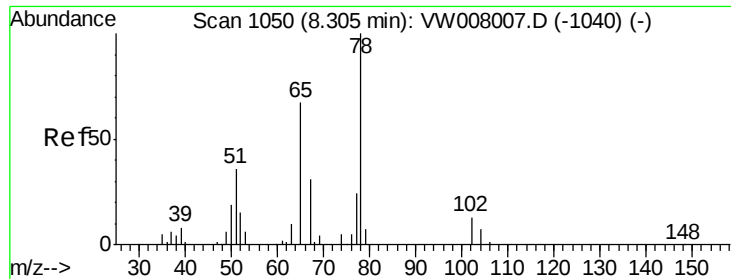
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#20
Methylene Chloride
Concen: 1.886 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	96.5	87.7	131.5
51	32.5	27.3	40.9
86	53.2	51.4	77.0





#33

1,2-Dichloroethane-d4

Concen: 58.944 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion: 65 Resp: 38943

Ion Ratio Lower Upper

65 100

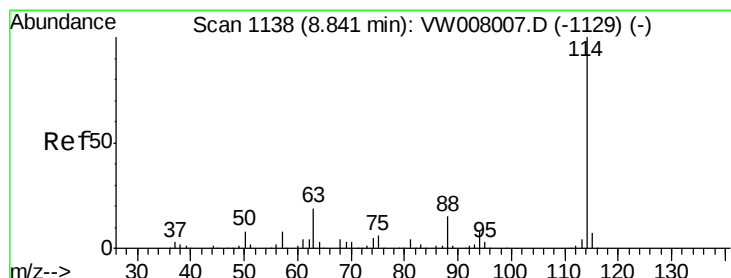
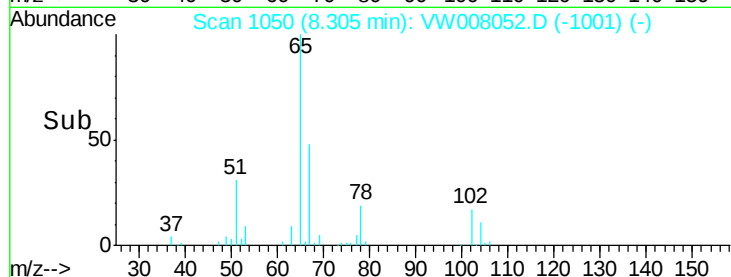
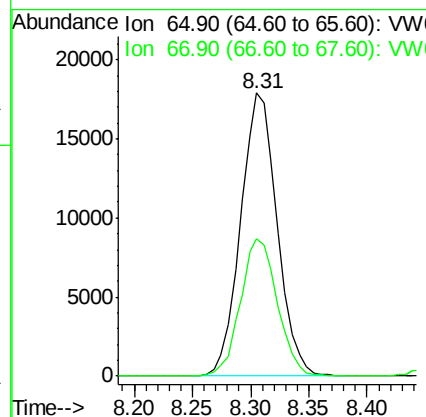
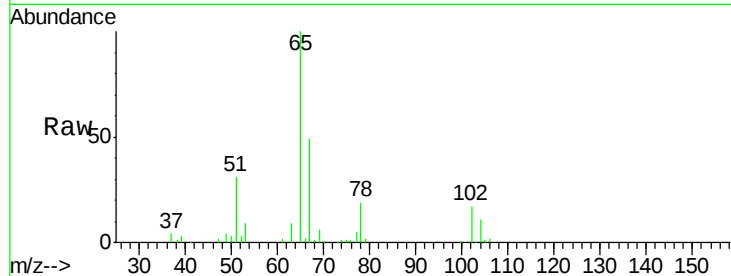
67 49.1 0.0 94.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

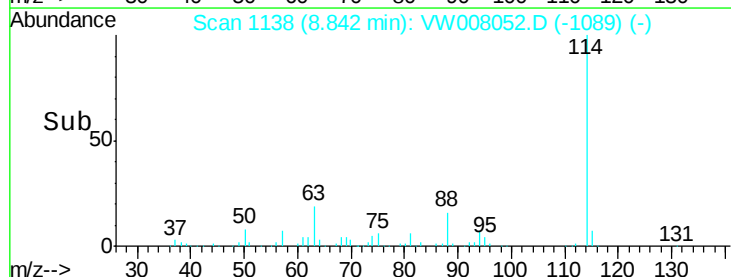
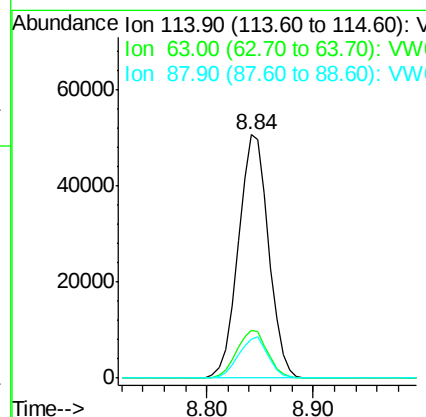
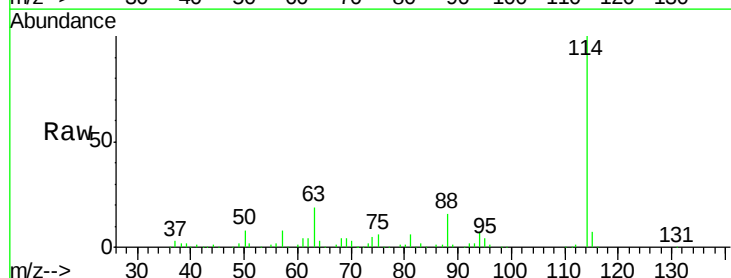
Tgt Ion: 114 Resp: 100667

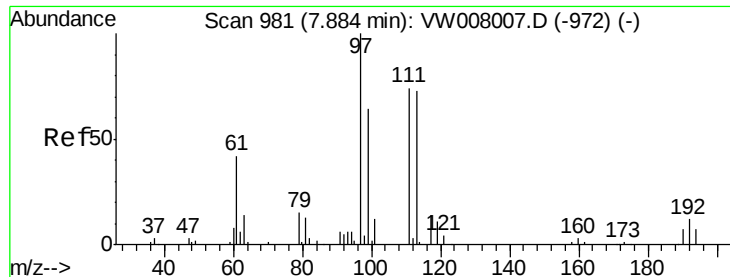
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.8

88 15.7 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.729 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

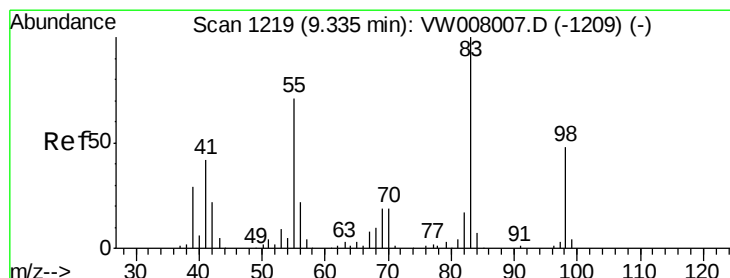
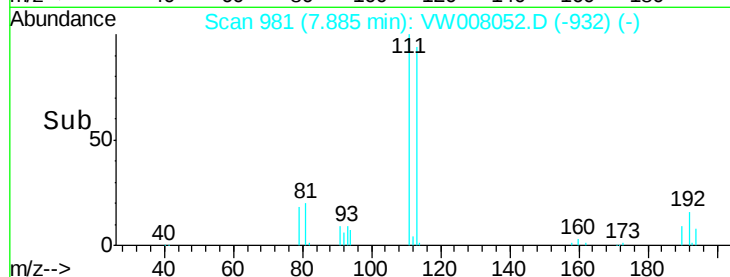
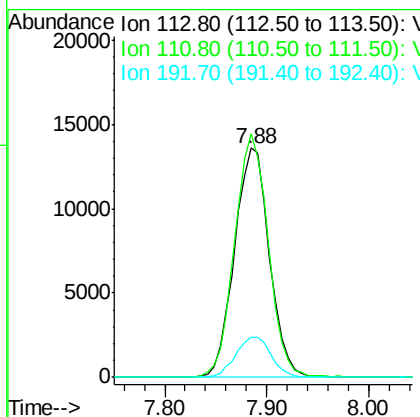
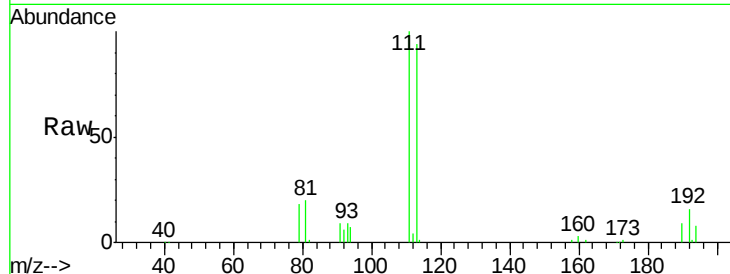
ClientSampleId :

CPSB-09(10-15)

Tot Ion:	113	Resp:	32193
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.0
192	18.0	14.8	22.2

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#39

Methylcyclohexane

Concen: 7.218 ug/l

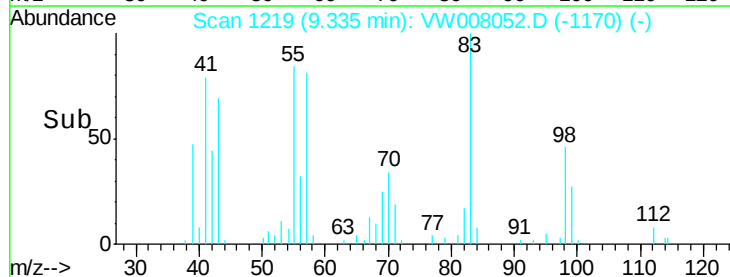
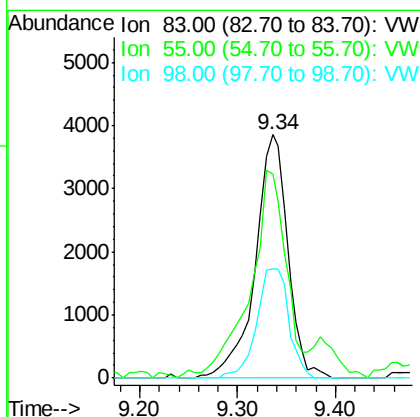
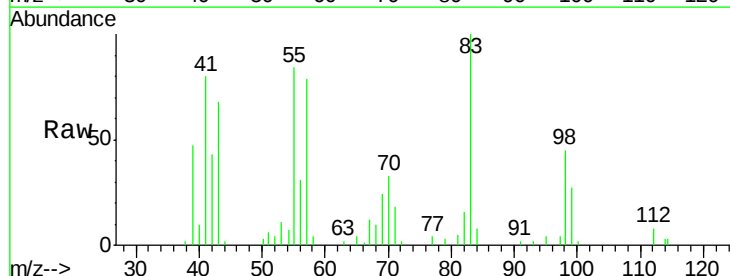
RT: 9.34 min Scan# 1219

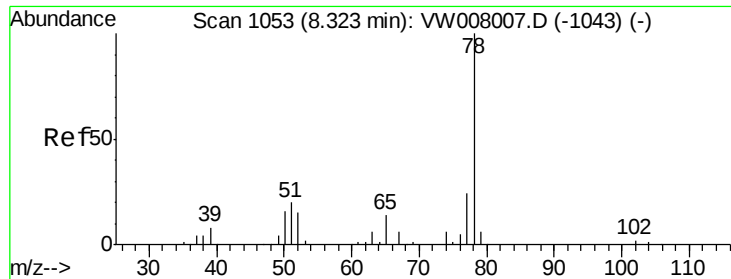
Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Tgt Ion:	83	Resp:	8935
Ion	Ratio	Lower	Upper
83	100		
55	80.6	56.8	85.2
98	44.9	38.6	58.0





#40

Benzene

Concen: 7.385 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion: 78 Resp: 19346

Ion Ratio Lower Upper

78 100

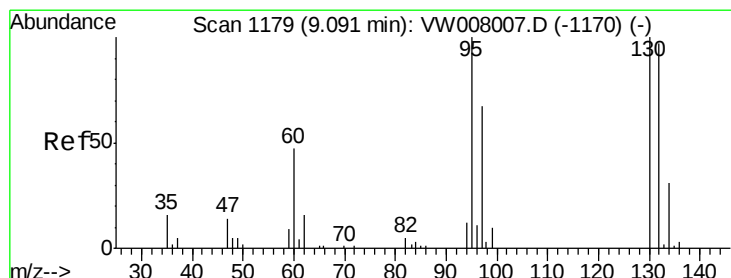
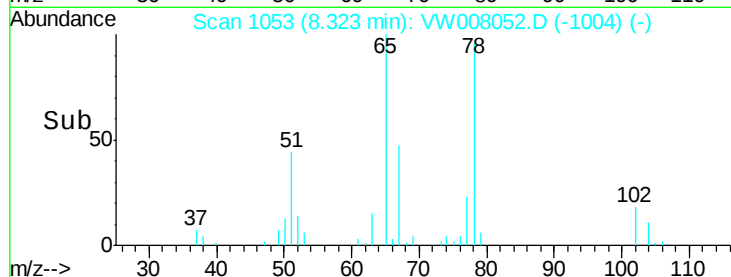
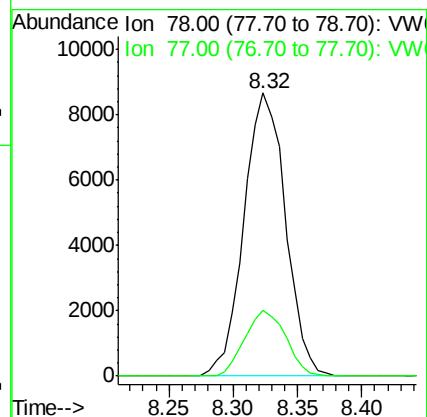
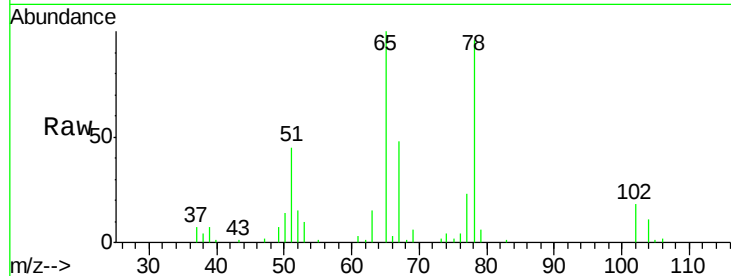
77 23.5 19.0 28.6

Manual Integrations

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#44

Trichloroethene

Concen: 5.508 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008052.D

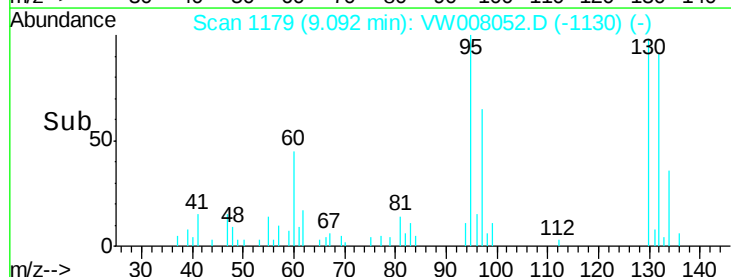
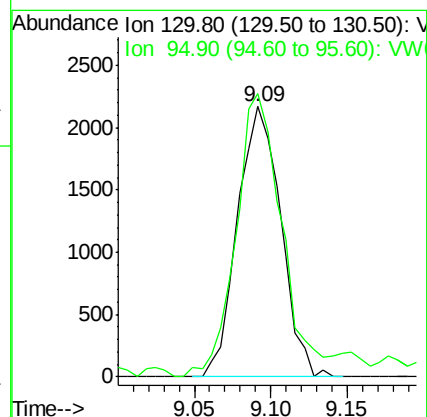
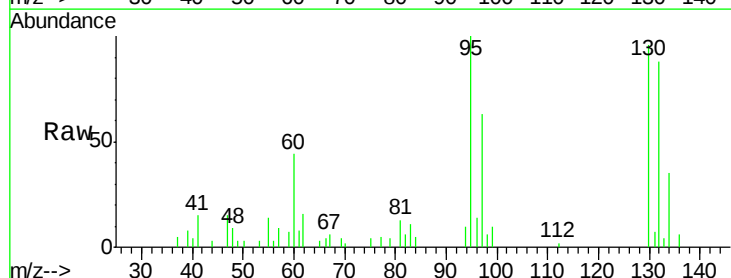
Acq: 04 Jan 2019 17:16

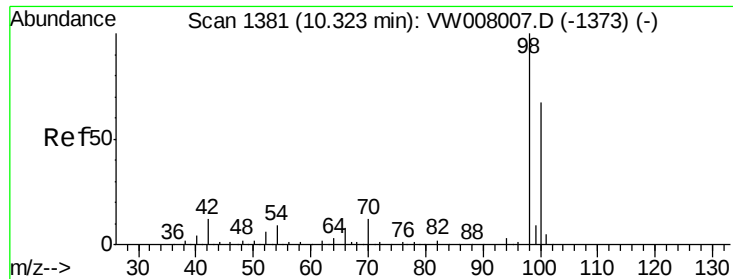
Tgt Ion: 130 Resp: 4258

Ion Ratio Lower Upper

130 100

95 101.1 0.0 200.0





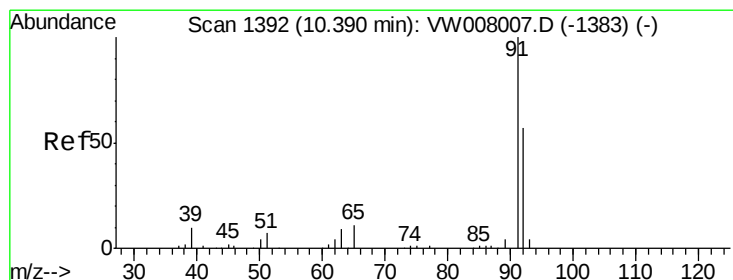
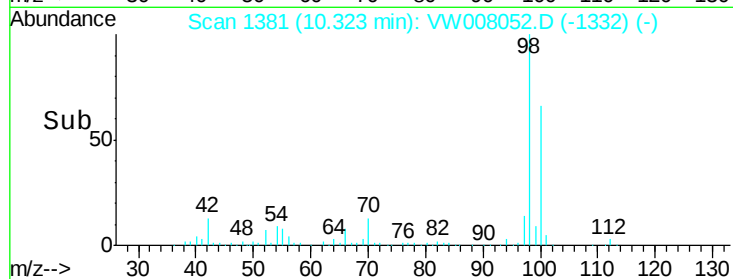
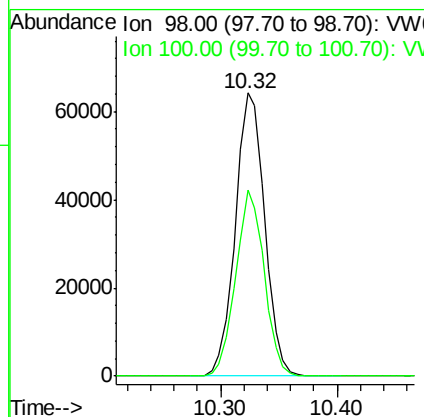
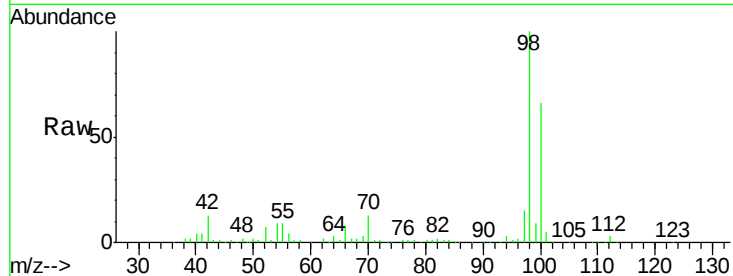
#50
Toluene-d8
Concen: 47.419 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion: 98 Resp: 112884
Ion Ratio Lower Upper
98 100
100 63.5 52.9 79.3

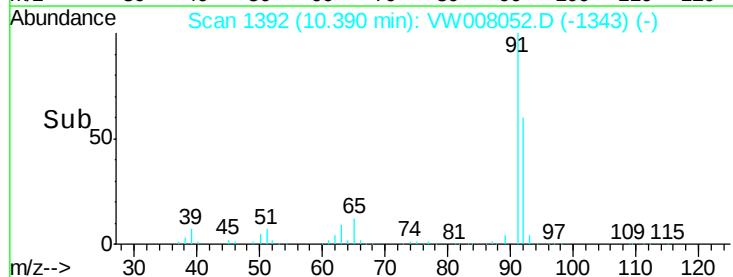
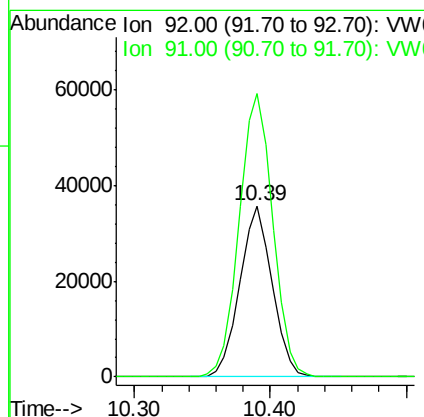
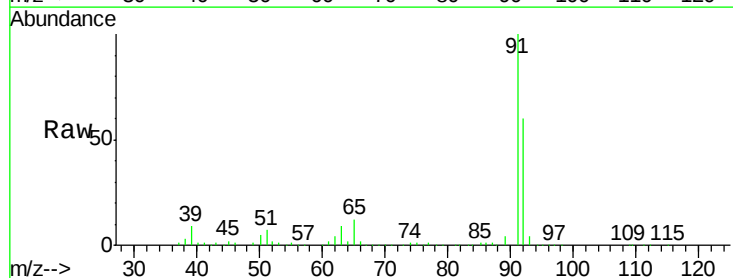
Manual Integrations
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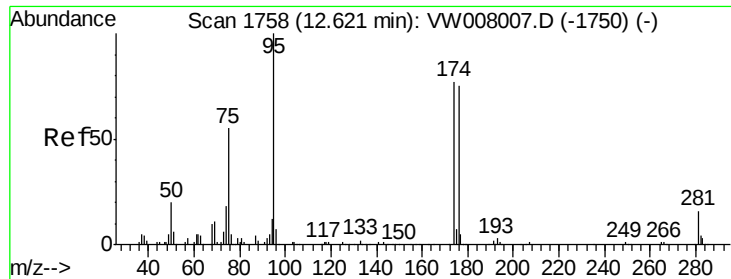
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#52
Toluene
Concen: 34.285 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Tgt Ion: 92 Resp: 59295
Ion Ratio Lower Upper
92 100
91 171.1 136.9 205.3





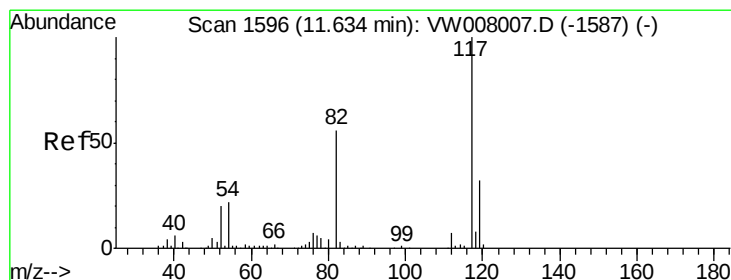
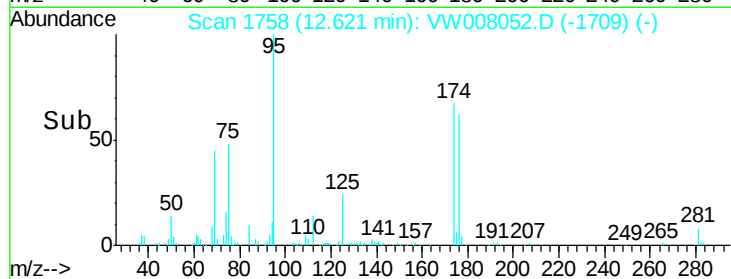
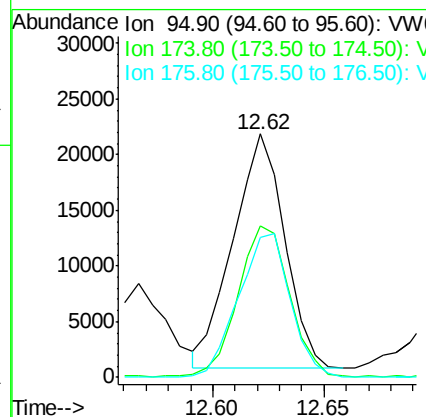
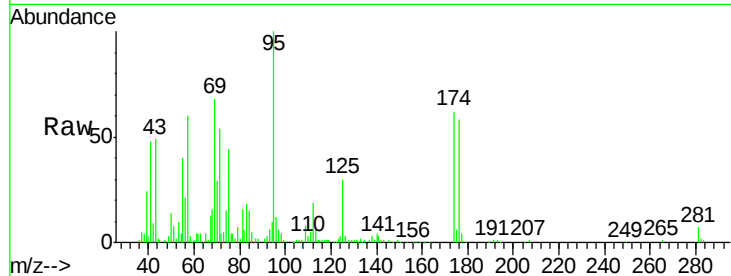
#62
4-Bromofluorobenzene
Concen: 37.172 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	33937		
174	65.3	0.0	149.6	
176	61.9	0.0	145.4	

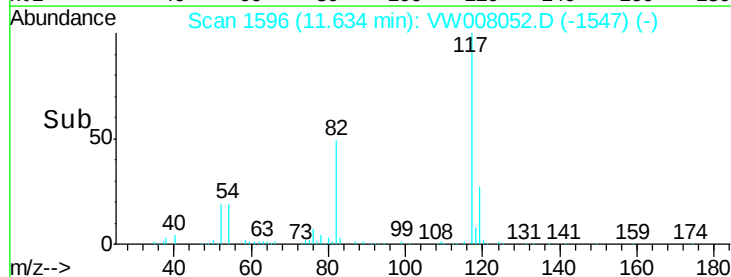
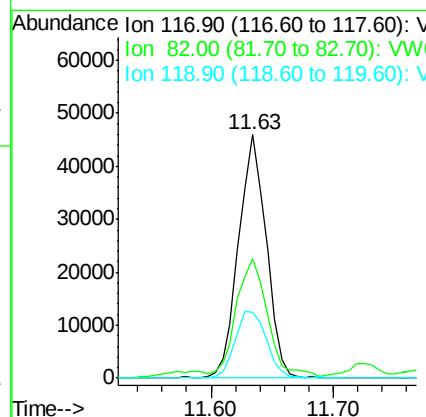
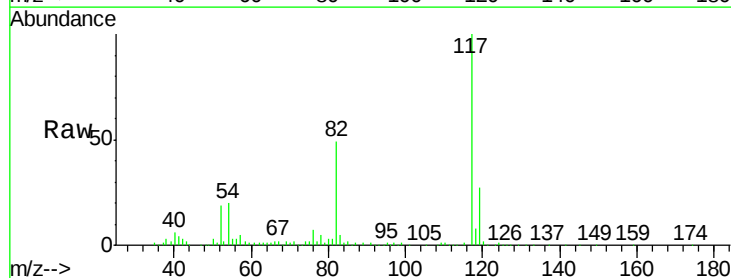
Manual Integrations
APPROVED

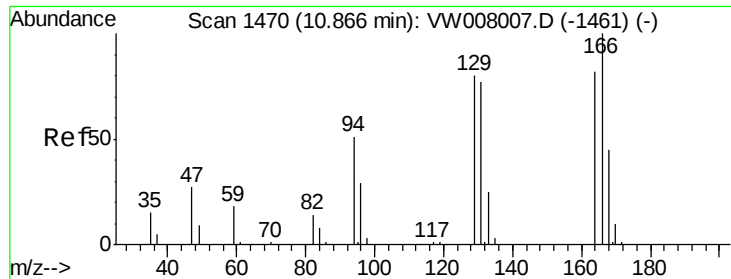
MMDadoda
1/7/2019 1:27:02 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71870		
82	46.8	44.8	67.2	
119	26.6	25.6	38.4	





#64

Tetrachloroethene

Concen: 6.607 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion:164 Resp: 3280

Ion Ratio Lower Upper

164 100

166 103.3 98.1 147.1

129 89.6 78.0 117.0

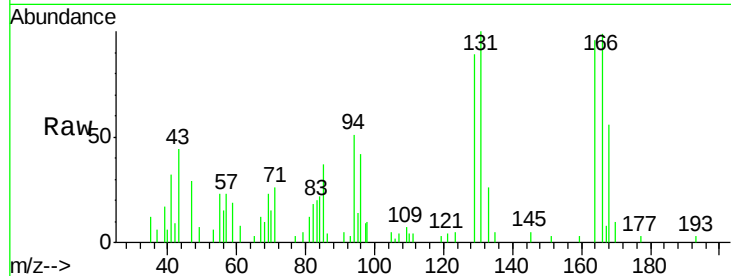
131 104.1 75.8 113.8

Manual Integrations

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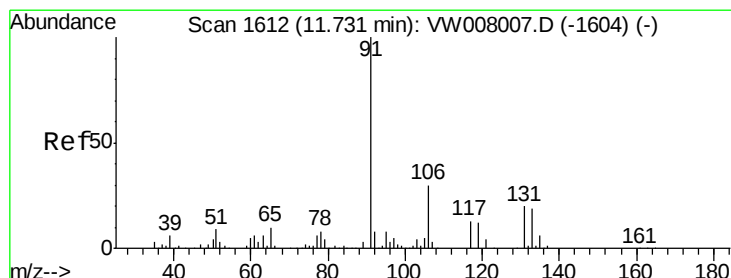
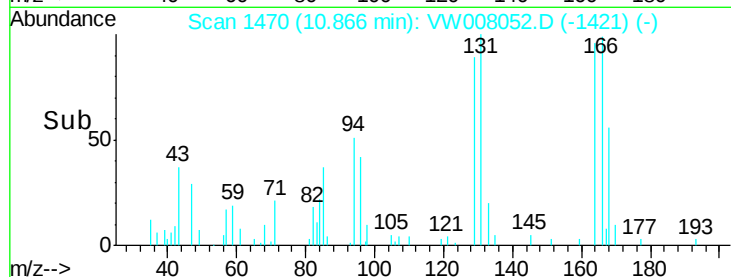
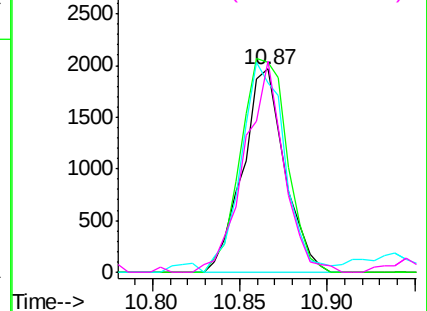


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 80.633 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008052.D

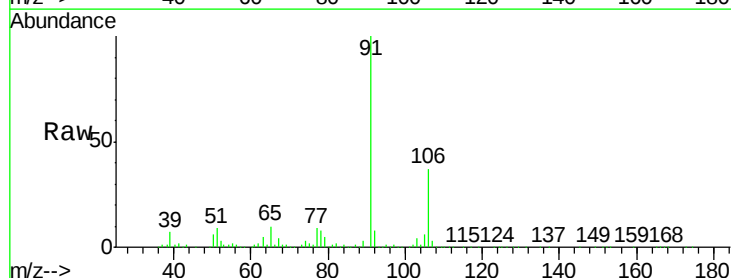
Acq: 04 Jan 2019 17:16

Tgt Ion: 91 Resp: 219837

Ion Ratio Lower Upper

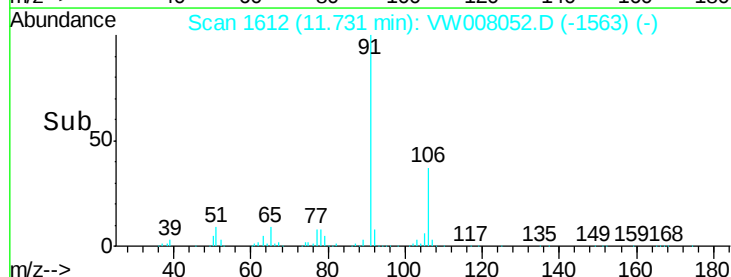
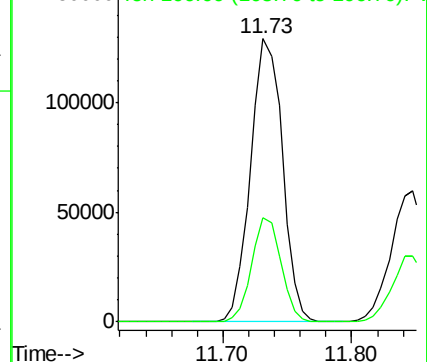
91 100

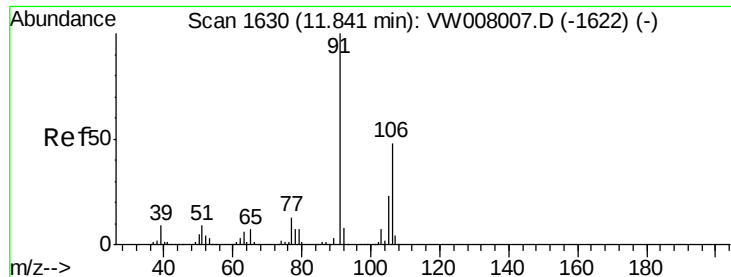
106 37.1 24.3 36.5#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





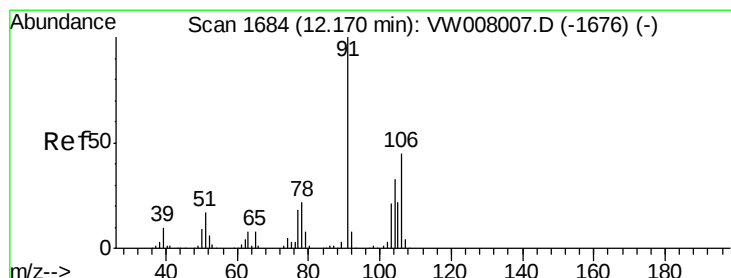
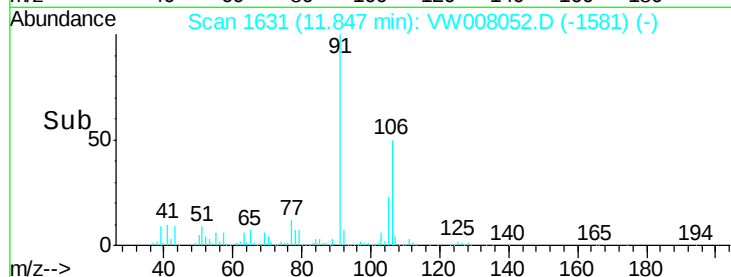
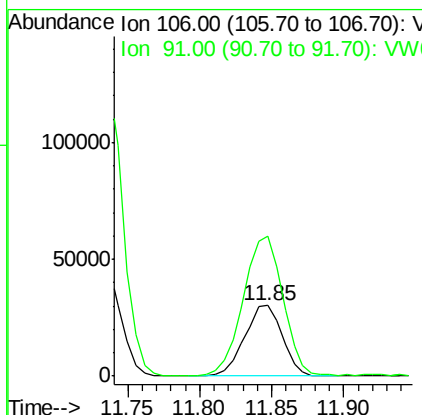
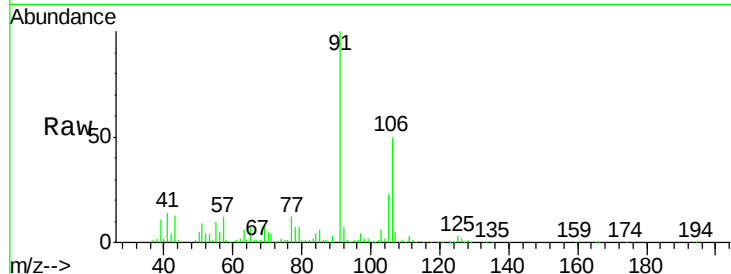
#68
m/p-Xylenes
Concen: 51.795 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		54594		
91	207.1	165.8	248.8		

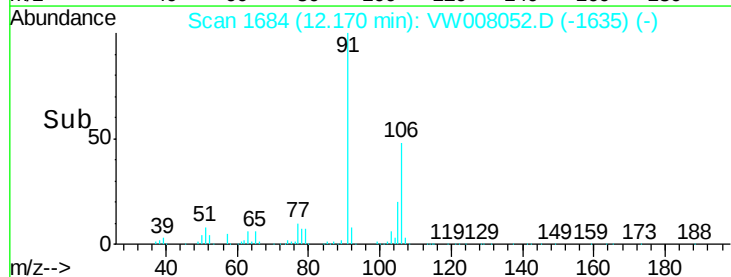
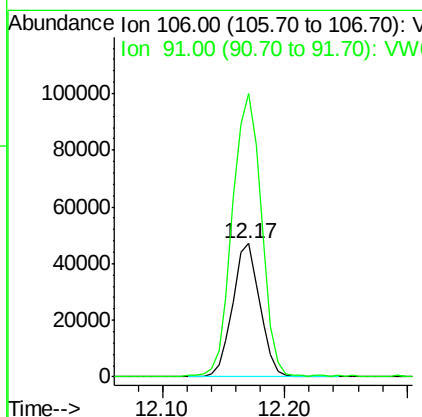
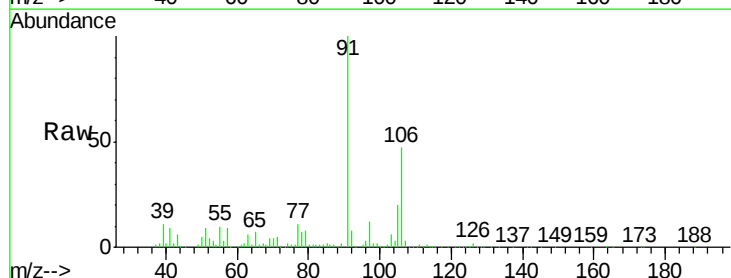
Manual Integrations
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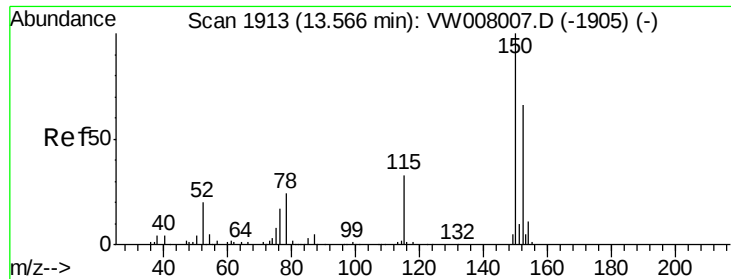
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#69
o-Xylene
Concen: 73.635 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		72220		
91	224.6	110.6	331.6		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion:152 Resp: 20595

Ion Ratio Lower Upper

152 100

115 41.4 32.1 96.5

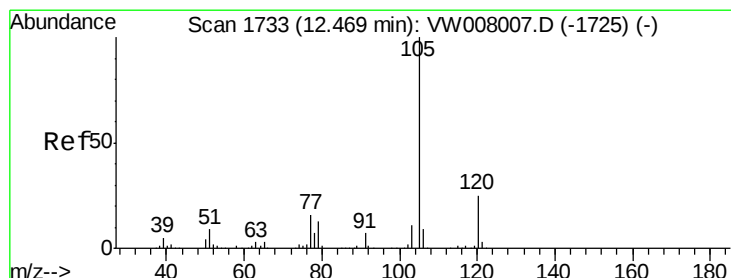
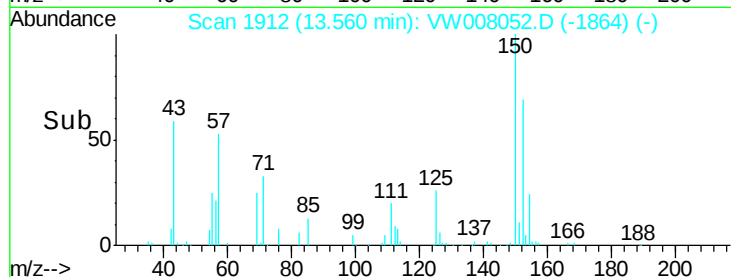
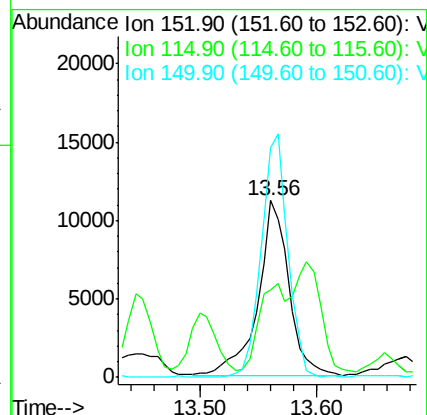
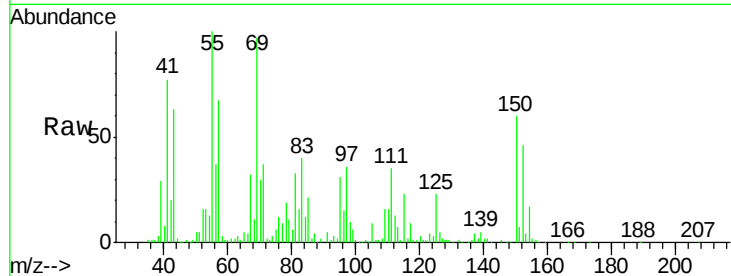
150 119.6 0.0 345.0

Manual Integrations

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#73

Isopropylbenzene

Concen: 29.433 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008052.D

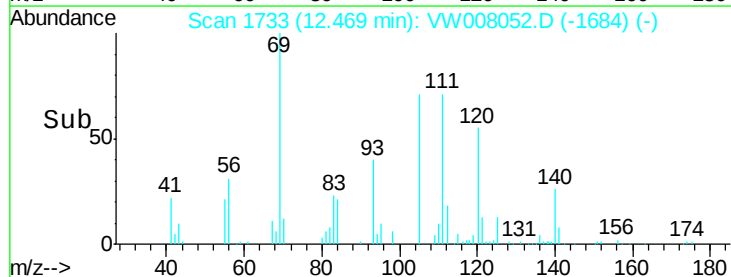
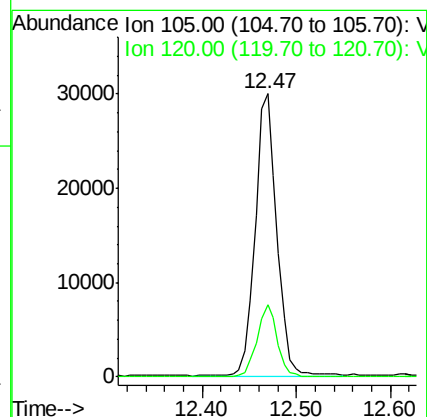
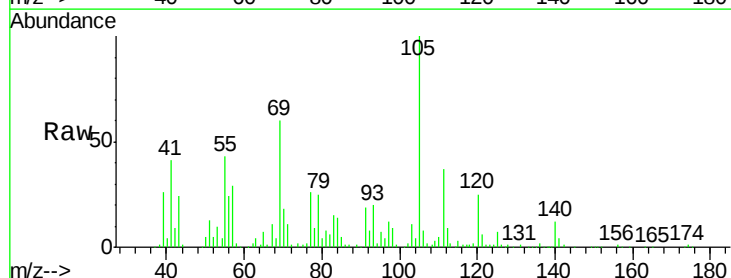
Acq: 04 Jan 2019 17:16

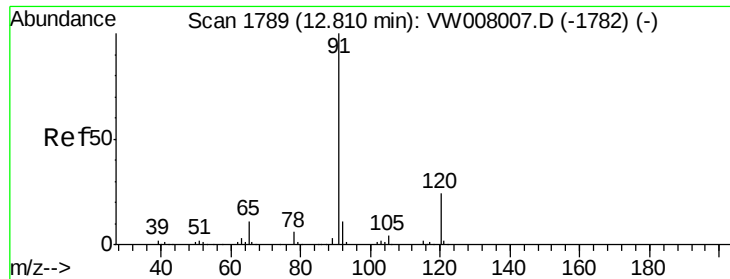
Tgt Ion:105 Resp: 48202

Ion Ratio Lower Upper

105 100

120 24.0 12.8 38.3





#78

n-propylbenzene

Concen: 67.989 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion: 91 Resp: 129094

Ion Ratio Lower Upper

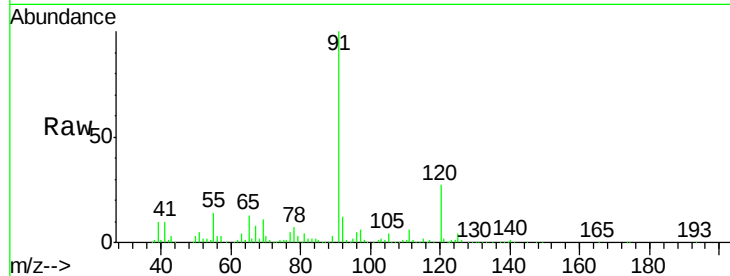
91 100

120 25.6 11.5 34.5

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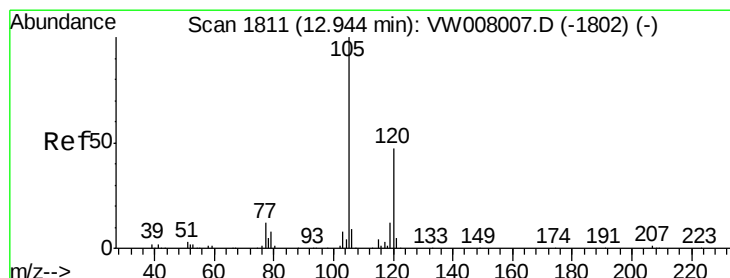
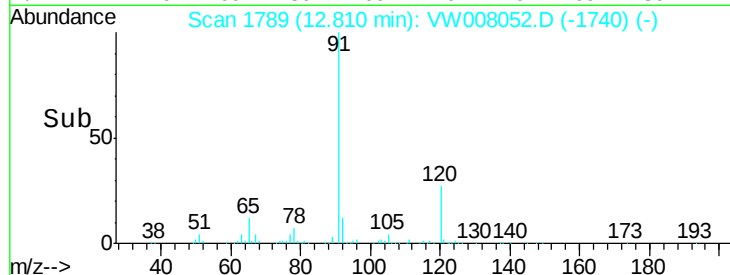
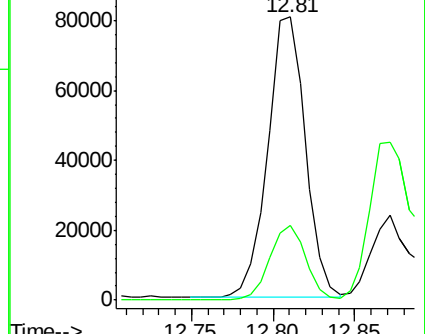
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 153.518 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008052.D

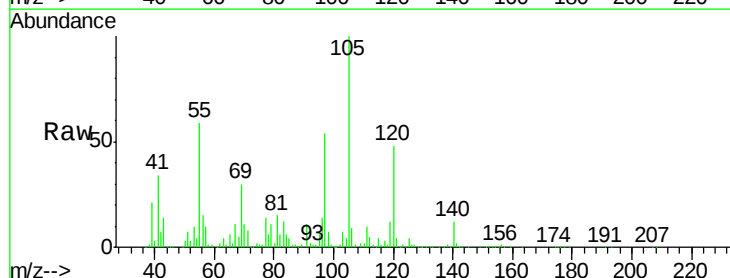
Acq: 04 Jan 2019 17:16

Tgt Ion:105 Resp: 216408

Ion Ratio Lower Upper

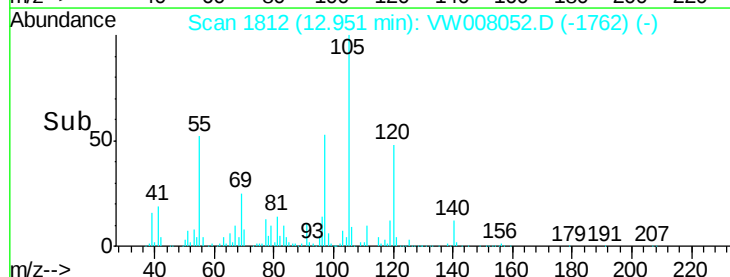
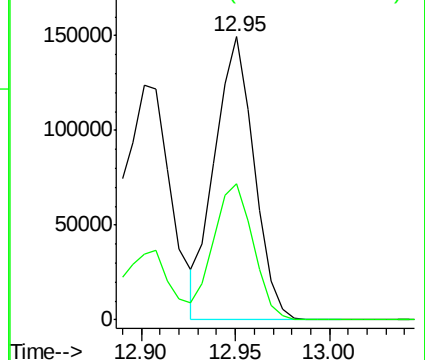
105 100

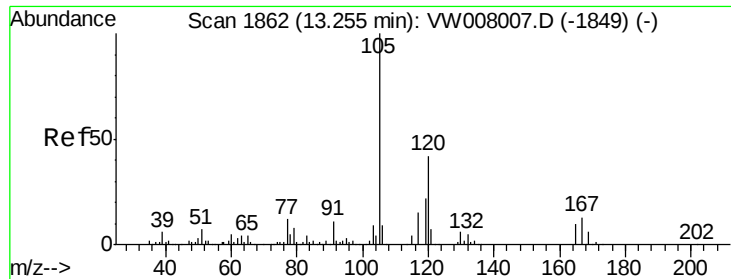
120 48.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 462.353 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion:105 Resp: 660162

Ion Ratio Lower Upper

105 100

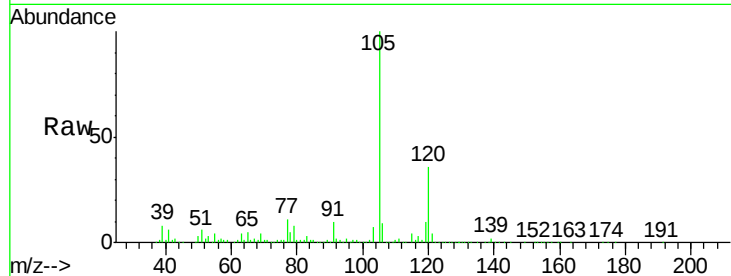
120 41.8 21.5 64.5

Manual Integrations

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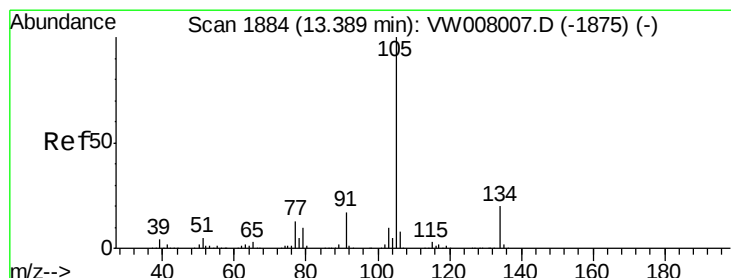
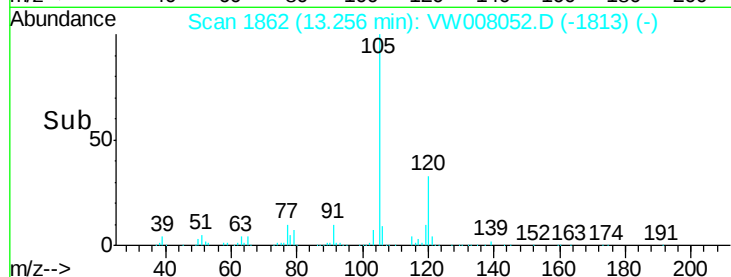
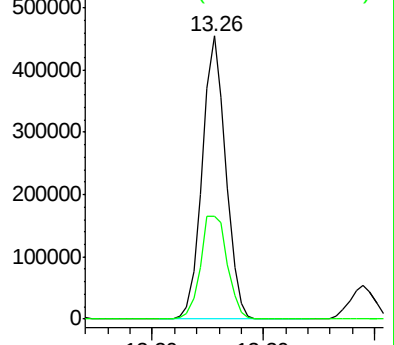
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 49.755 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008052.D

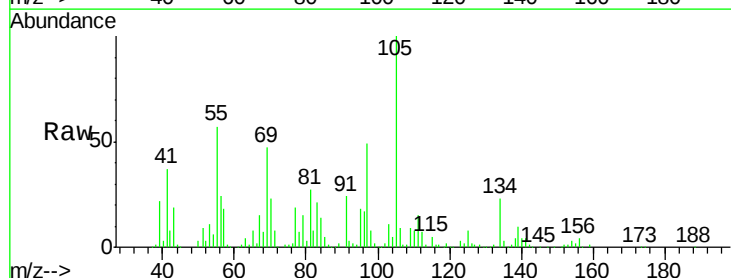
Acq: 04 Jan 2019 17:16

Tgt Ion:105 Resp: 84414

Ion Ratio Lower Upper

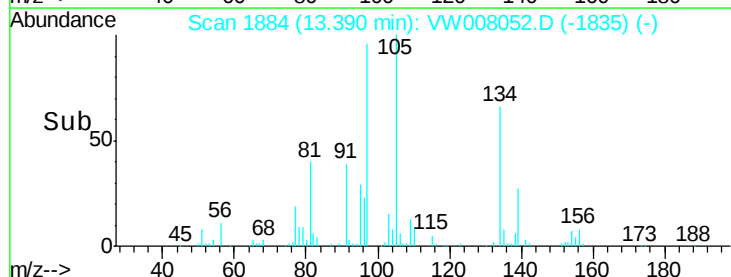
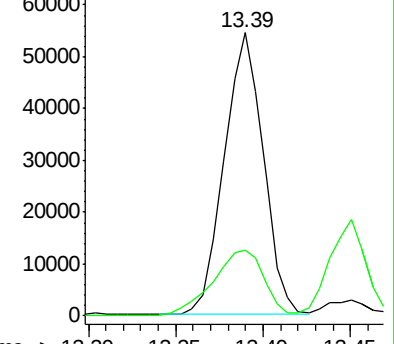
105 100

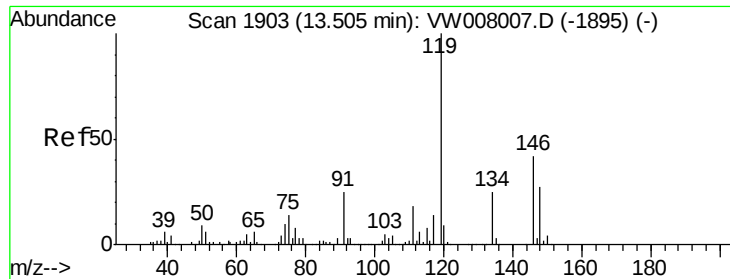
134 30.9 9.7 28.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 46.512 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

CPSB-09(10-15)

Tot Ion:119 Resp: 71178

Ion Ratio Lower Upper

119 100

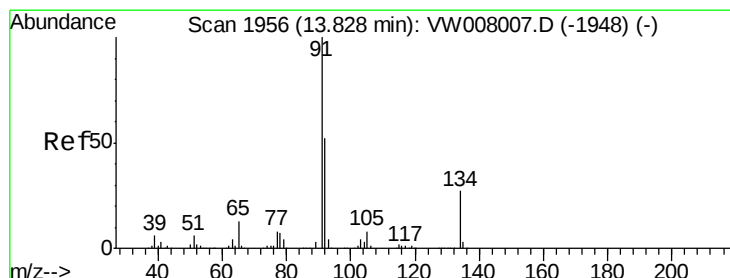
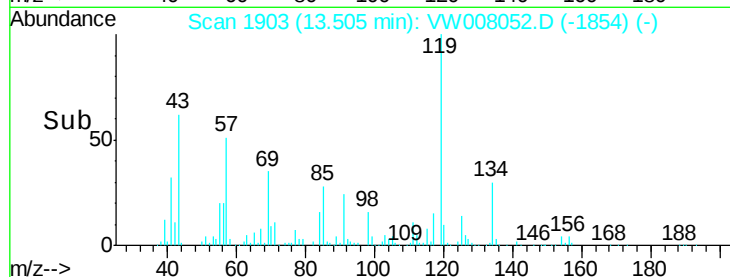
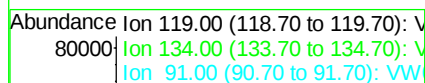
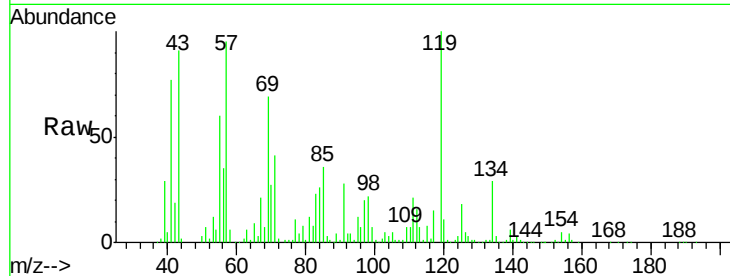
134 27.1 12.5 37.5

91 27.7 13.1 39.3

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#89

n-Butylbenzene

Concen: 59.175 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008052.D

Acq: 04 Jan 2019 17:16

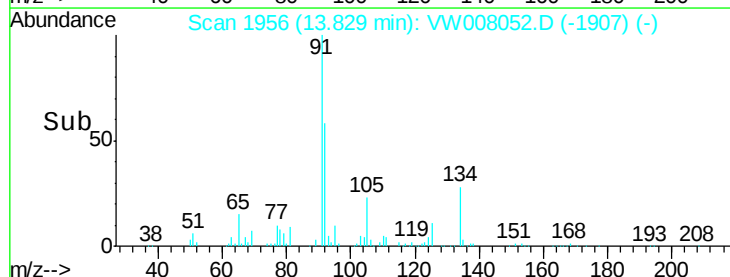
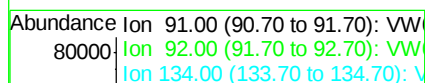
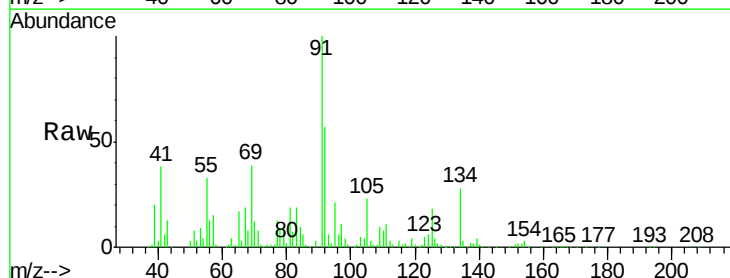
Tgt Ion: 91 Resp: 82831

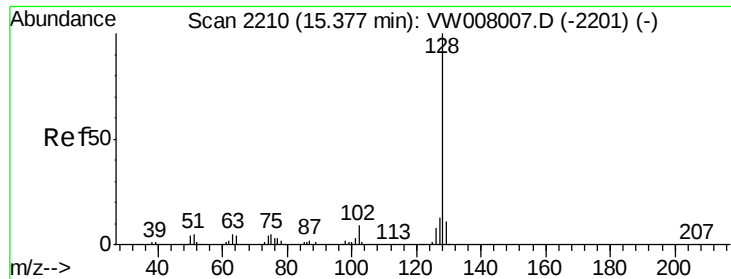
Ion Ratio Lower Upper

91 100

92 64.6 26.4 79.2

134 0.0 13.4 40.2#





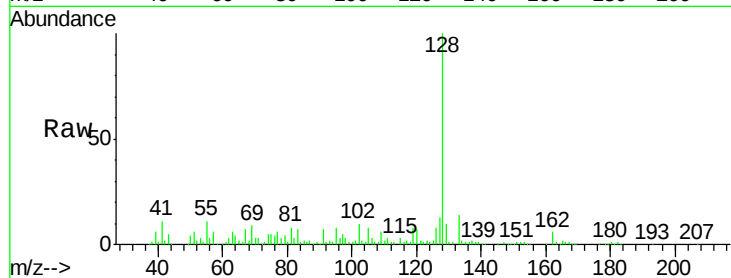
#95
Naphthalene
Concen: 223.931 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008052.D
Acq: 04 Jan 2019 17:16

Instrument :
MSVOA_W
ClientSampleId :
CPSB-09(10-15)

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	15.3	10.8	16.2
129	11.1	8.8	13.2

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

