

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008249.D
 Acq On : 14 Jan 2019 16:11
 Operator : SY/VA
 Sample : K1135-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

Manual Integrations
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Quant Time: Jan 14 21:48:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	162893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	145963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60116	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	55683	51.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	51072	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
50) Toluene-d8	10.32	98	205581	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.62	95	64837	45.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.72%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	10264	34.977	ug/l	91
17) Carbon Disulfide	4.37	76	8148	2.493	ug/l	95
31) Cyclohexane	7.95	56	13102	5.797	ug/l #	91
39) Methylcyclohexane	9.34	83	43429	20.412	ug/l	96
40) Benzene	8.32	78	6326	1.390	ug/l	98
52) Toluene	10.39	92	7698	2.649	ug/l	96
65) Chlorobenzene	11.66	112	42440	13.724	ug/l	97
67) Ethyl Benzene	11.73	91	64642	11.425	ug/l	95
68) m/p-Xylenes	11.84	106	21054	9.749	ug/l	94
69) o-Xylene	12.17	106	17242	8.621	ug/l	99
73) Isopropylbenzene	12.46	105	34387	7.286	ug/l	98
78) n-propylbenzene	12.80	91	76045	13.150	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	56247	14.503	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	142764	35.690	ug/l	97
85) sec-Butylbenzene	13.39	105	24520	4.878	ug/l #	66
86) p-Isopropyltoluene	13.50	119	34538	7.957	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	2920m	1.443	ug/l	
88) 1,4-Dichlorobenzene	13.58	146	11386	5.610	ug/l	83
89) n-Butylbenzene	13.83	91	28722m	6.757	ug/l	
91) 1,2-Dichlorobenzene	13.87	146	83646	47.048	ug/l	99
95) Naphthalene	15.37	128	54259	24.618	ug/l	95

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

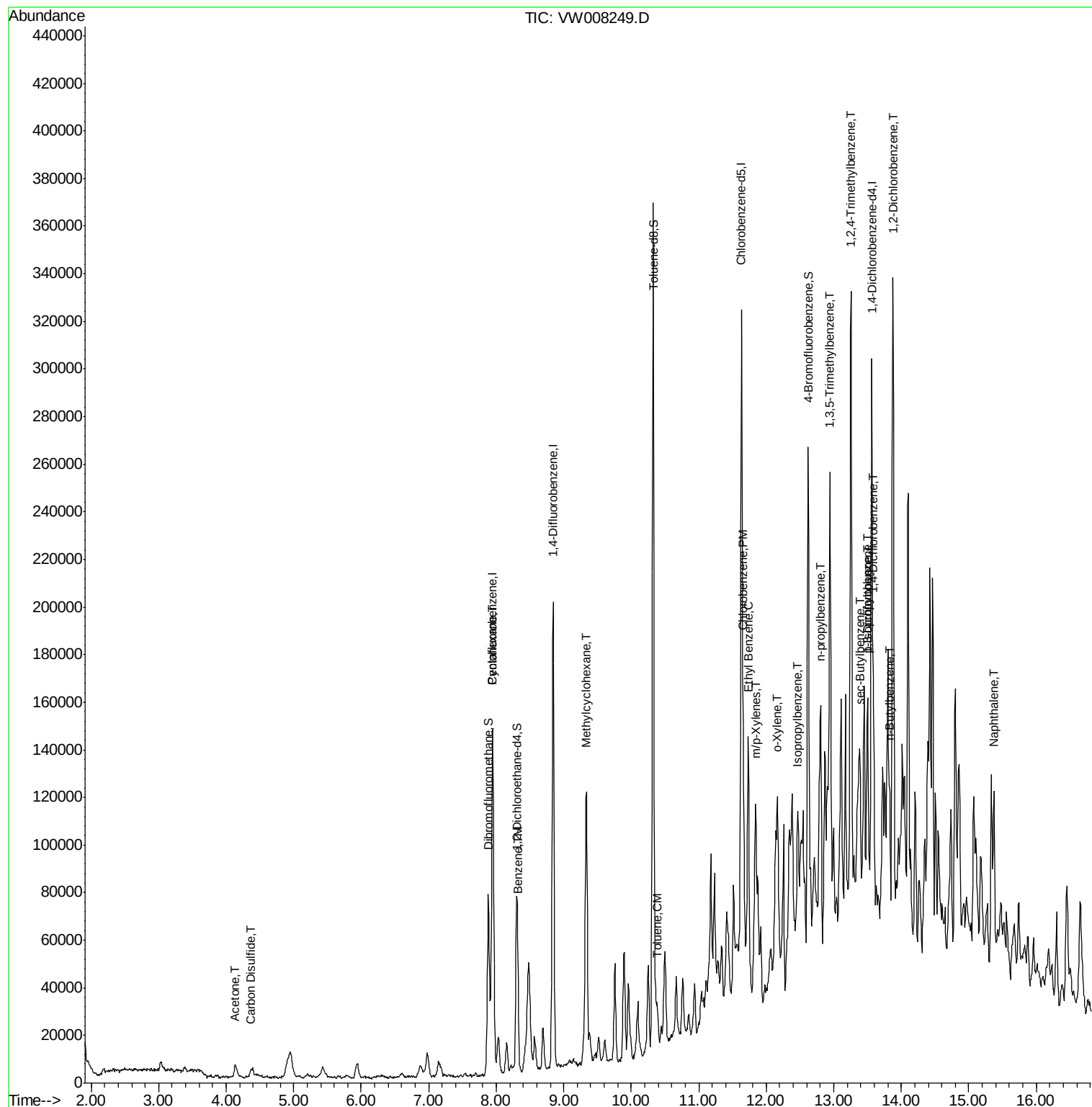
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008249.D
Acq On : 14 Jan 2019 16:11
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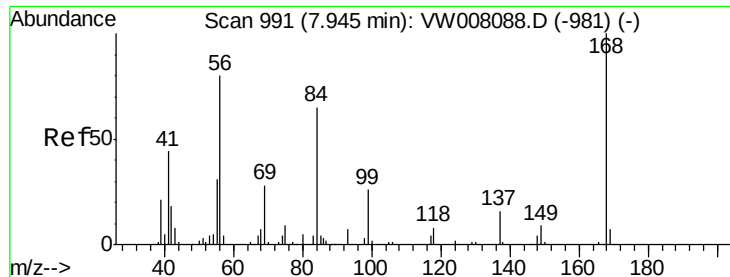
Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

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Quant Time: Jan 14 21:48:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion:168 Resp: 95557

Ion Ratio Lower Upper

168 100

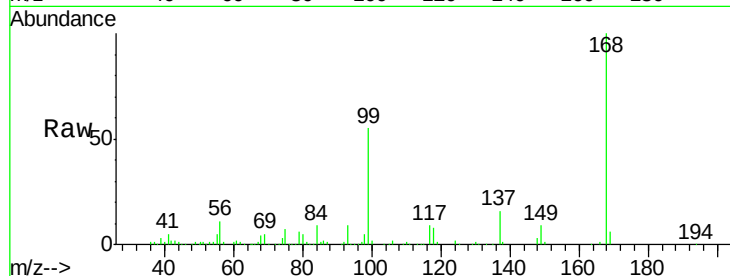
99 55.0 52.6 78.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

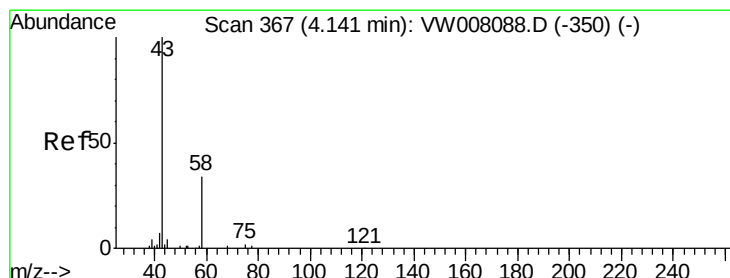
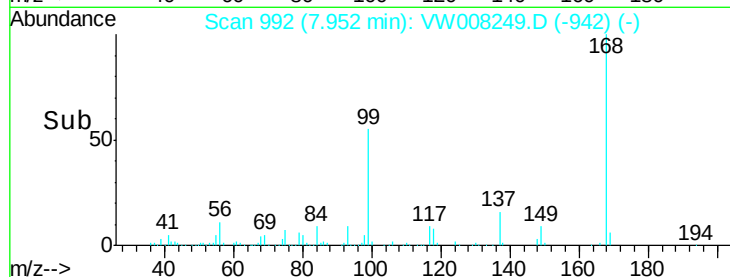
20000

10000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 34.977 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW008249.D

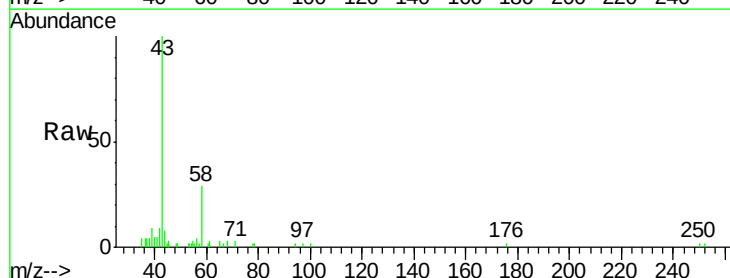
Acq: 14 Jan 2019 16:11

Tgt Ion: 43 Resp: 10264

Ion Ratio Lower Upper

43 100

58 29.5 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

3000

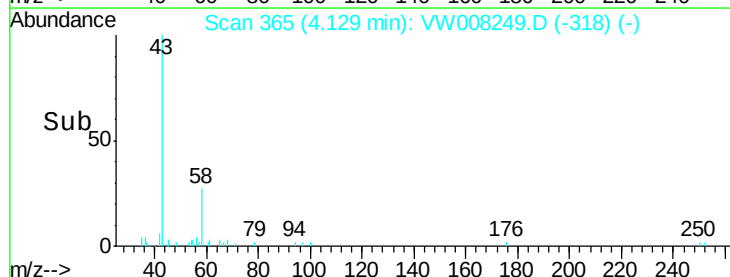
2000

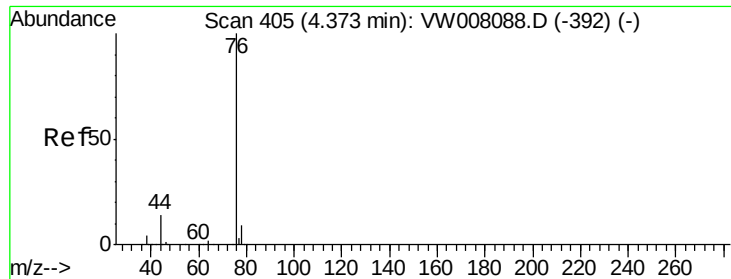
1000

0

4.00 4.10 4.20 4.30

Time-->





#17

Carbon Disulfide

Concen: 2.493 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion: 76 Resp: 8148

Ion Ratio Lower Upper

76 100

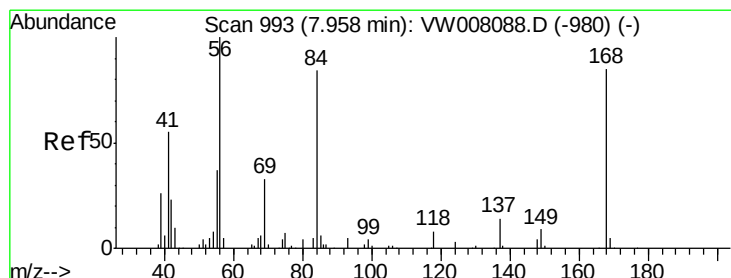
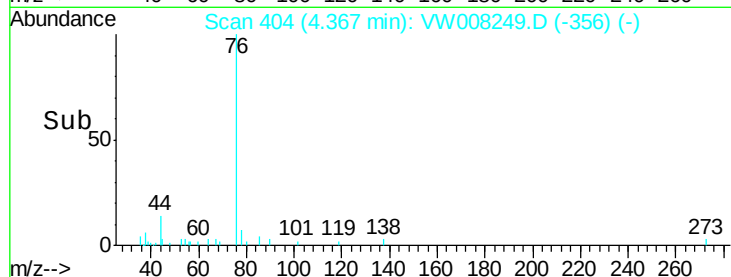
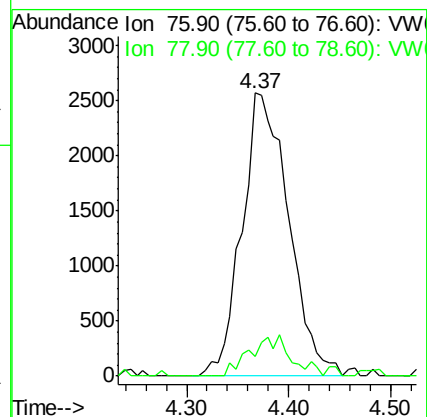
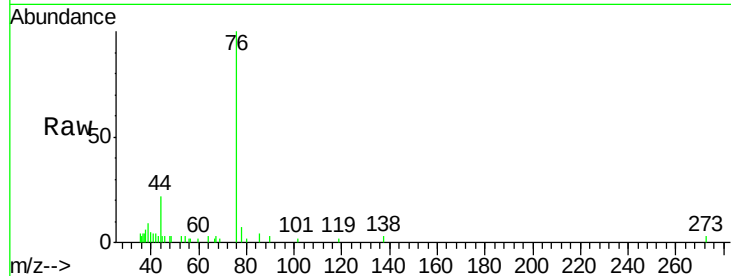
78 7.2 7.0 10.6

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#31

Cyclohexane

Concen: 5.797 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

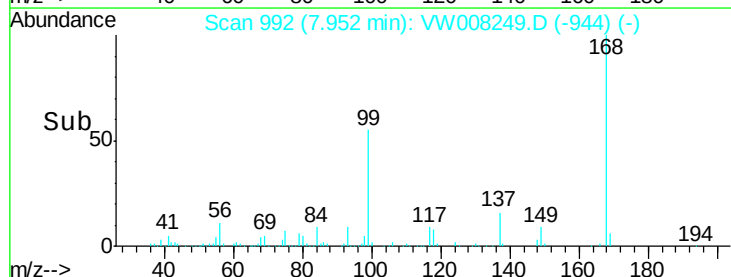
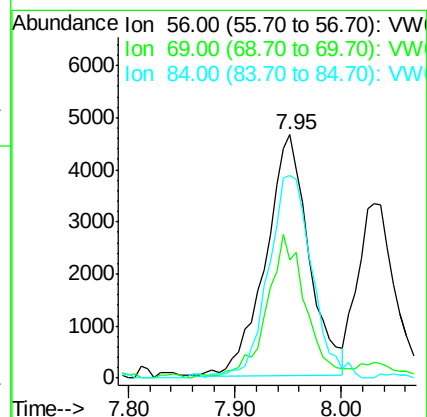
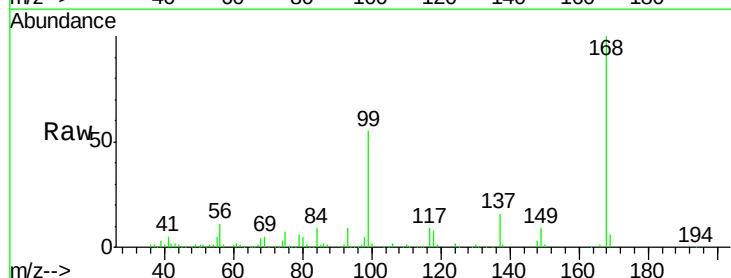
Tgt Ion: 56 Resp: 13102

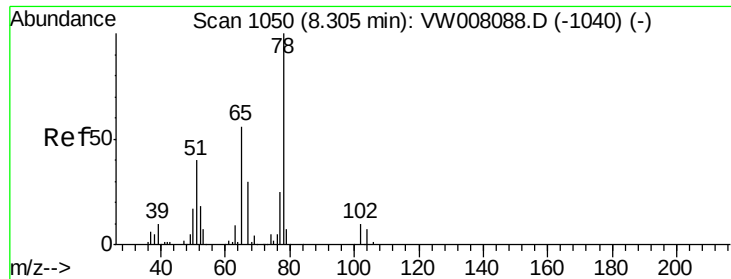
Ion Ratio Lower Upper

56 100

69 49.4 26.2 39.4#

84 82.7 67.4 101.2





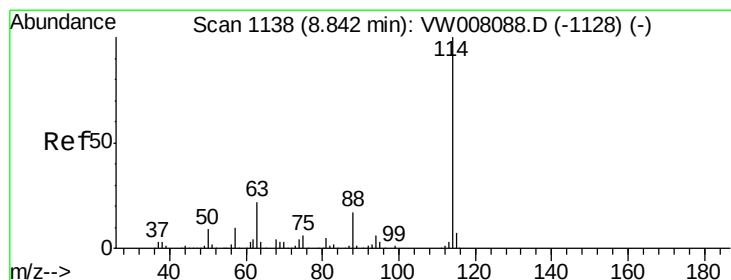
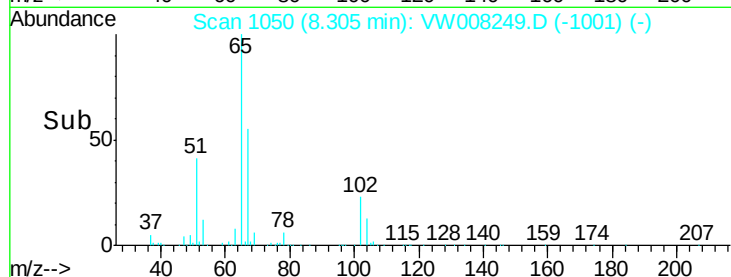
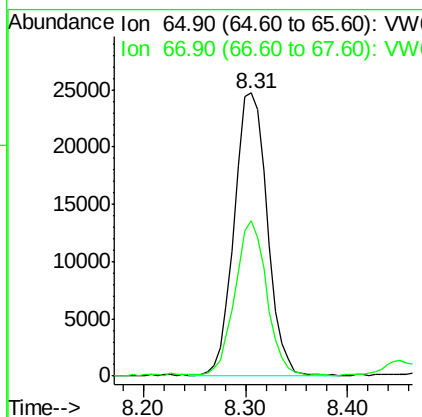
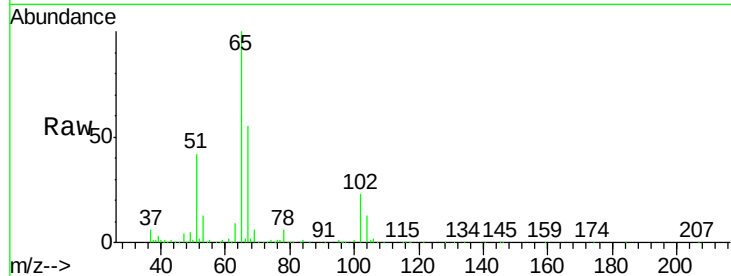
#33
 1,2-Dichloroethane-d4
 Concen: 51.847 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.8

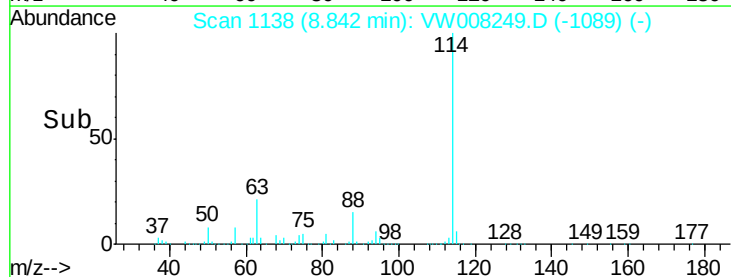
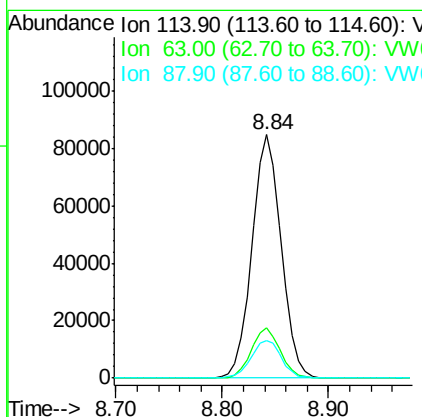
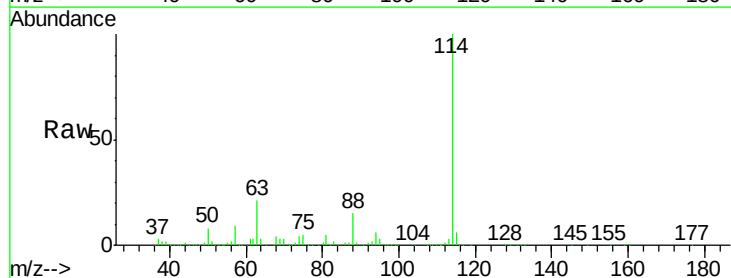
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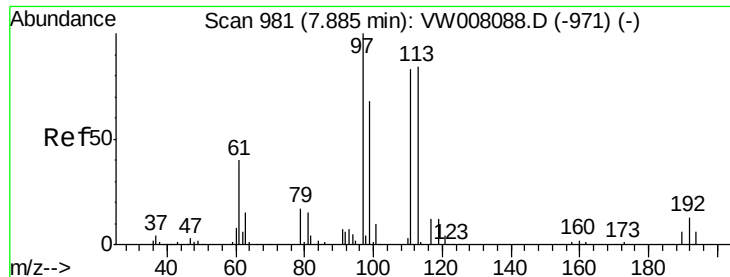
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.4
88	15.4	0.0	33.4





#35

Dibromofluoromethane

Concen: 53.757 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion:113 Resp: 51072

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

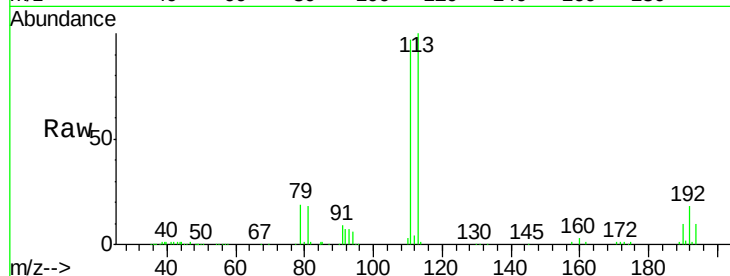
192 20.2 12.8 19.2#

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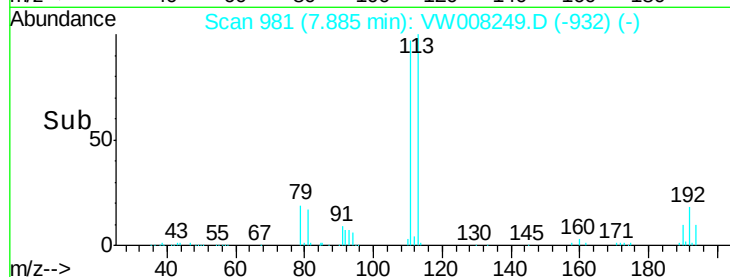


Abundance Ion 112.80 (112.50 to 113.50): V

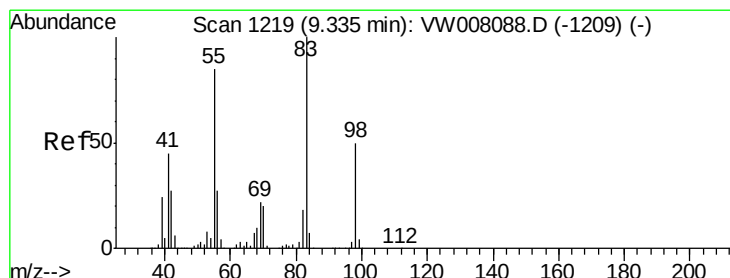
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#39

Methylcyclohexane

Concen: 20.412 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

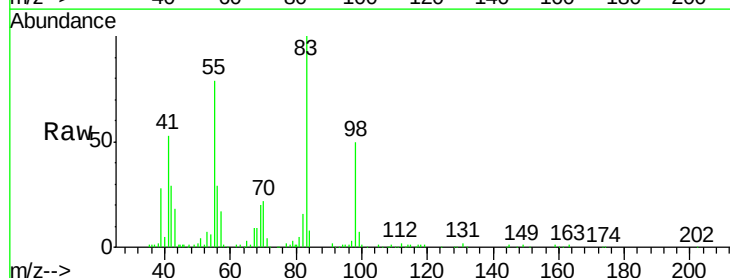
Tgt Ion: 83 Resp: 43429

Ion Ratio Lower Upper

83 100

55 78.5 67.8 101.6

98 50.7 40.2 60.4

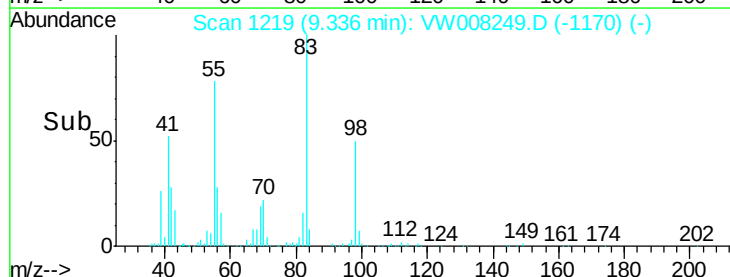


Abundance Ion 83.00 (82.70 to 83.70): VW

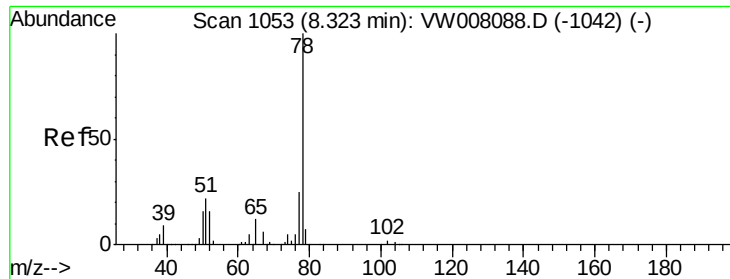
Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

Time-->



Time-->



#40

Benzene

Concen: 1.390 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion: 78 Resp: 6326

Ion Ratio Lower Upper

78 100

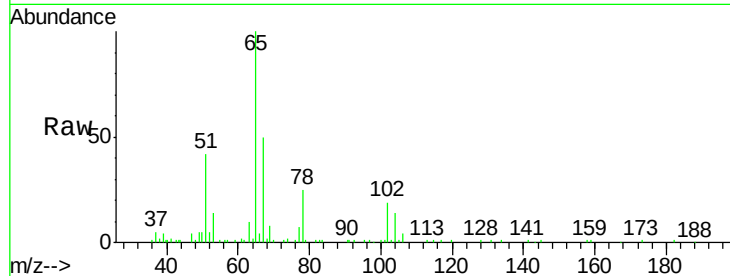
77 24.5 20.2 30.4

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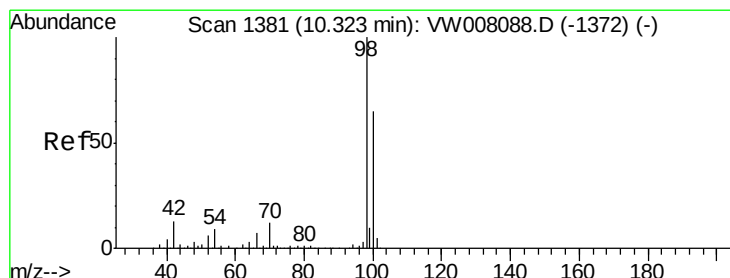
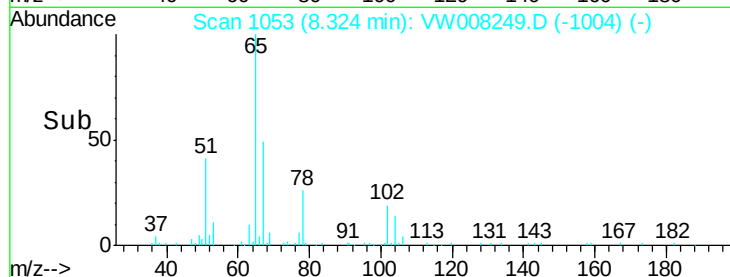
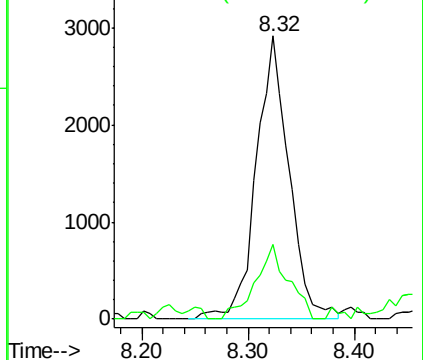
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Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 51.565 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008249.D

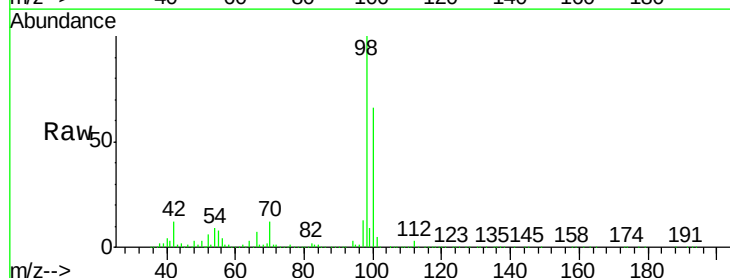
Acq: 14 Jan 2019 16:11

Tgt Ion: 98 Resp: 205581

Ion Ratio Lower Upper

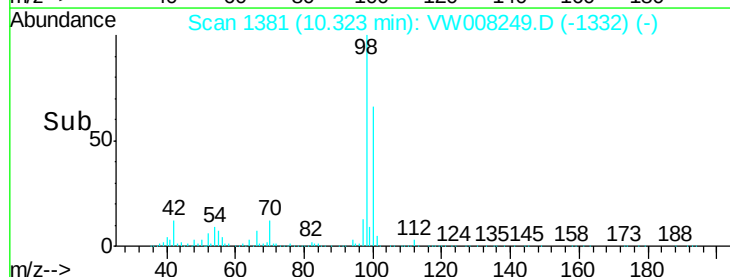
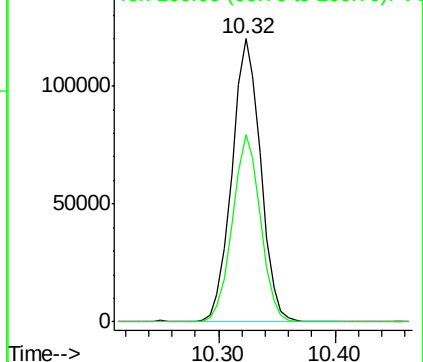
98 100

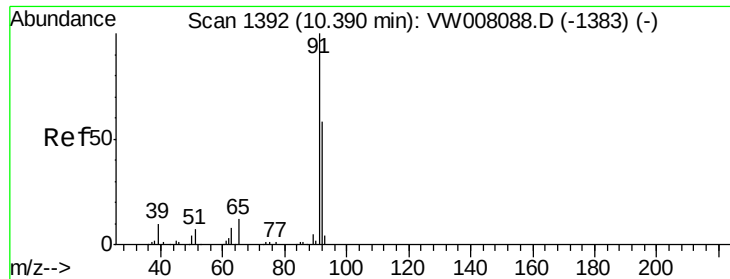
100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 2.649 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion: 92 Resp: 7698

Ion Ratio Lower Upper

92 100

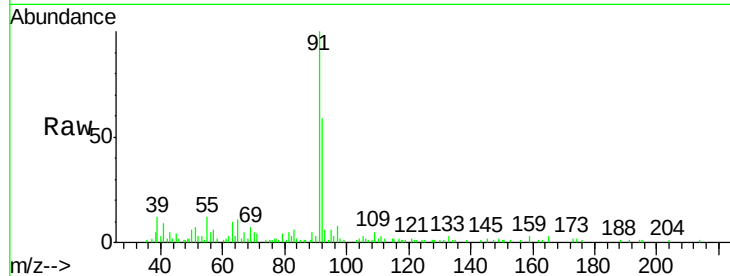
91 176.5 137.0 205.4

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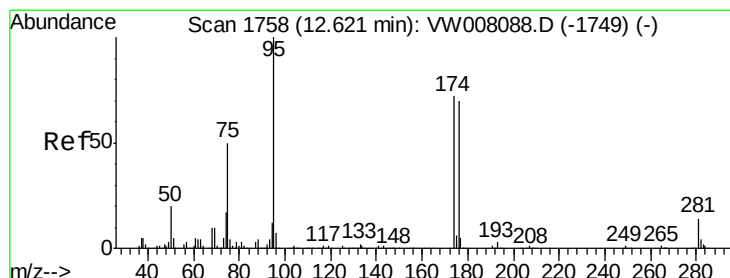
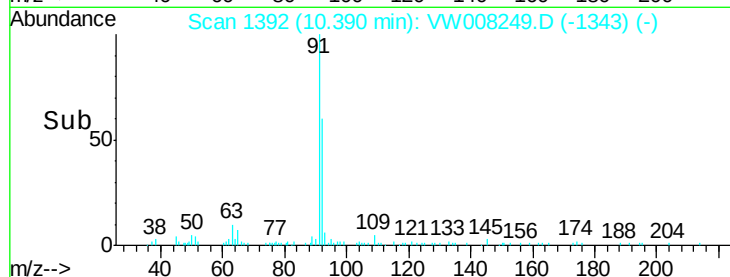
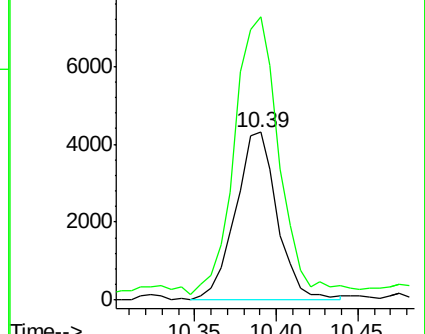
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 45.364 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

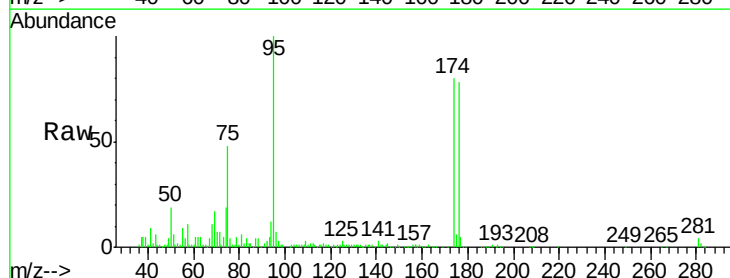
Tgt Ion: 95 Resp: 64837

Ion Ratio Lower Upper

95 100

174 80.2 0.0 143.0

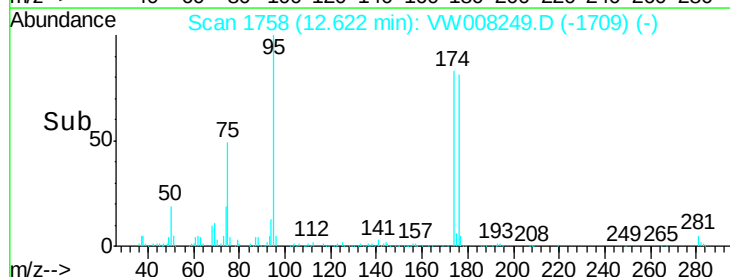
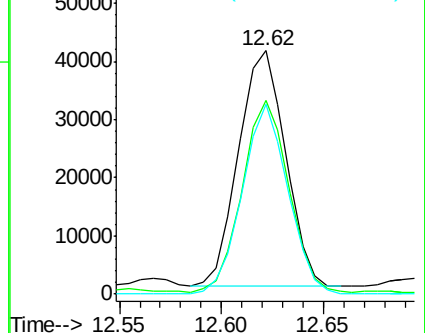
176 78.6 0.0 140.2

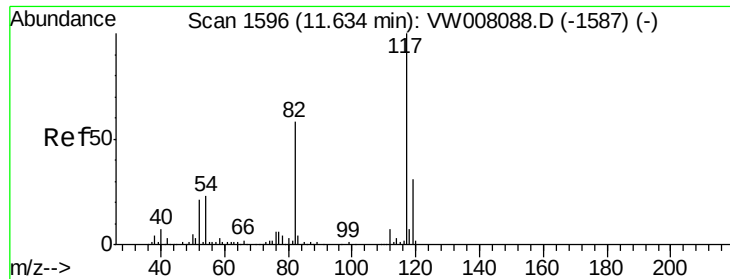


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





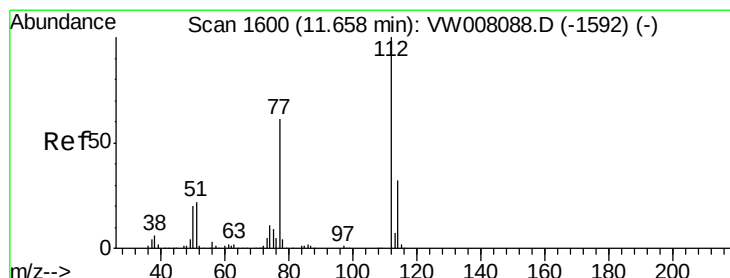
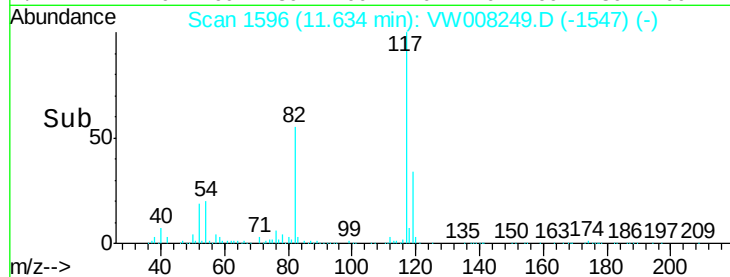
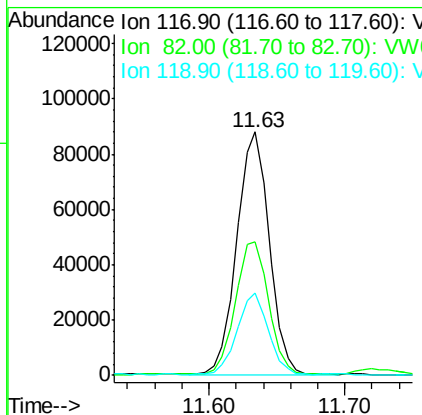
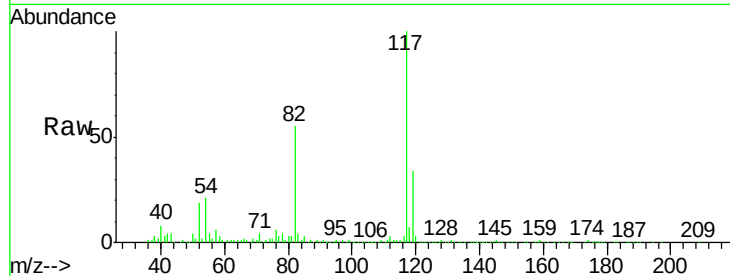
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	145963		
82	54.8	46.4	69.6	
119	33.5	24.7	37.1	

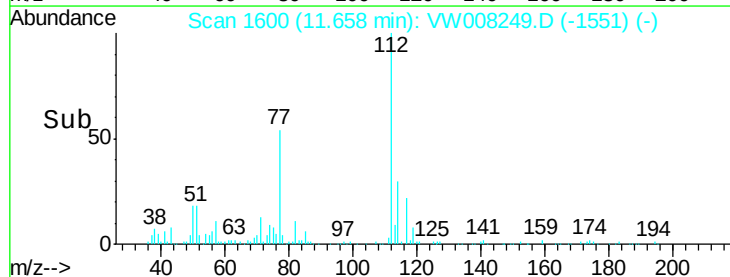
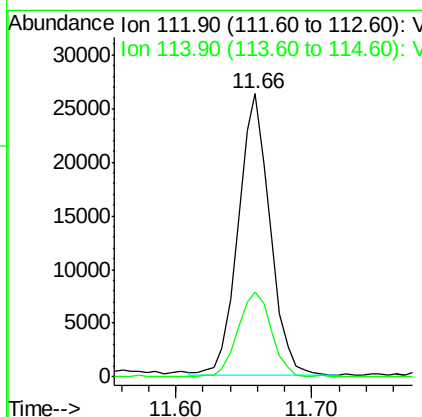
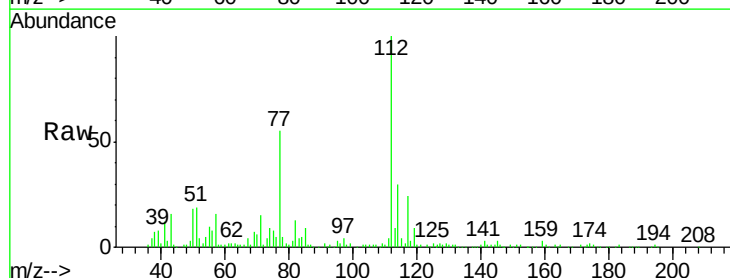
Manual Integrations
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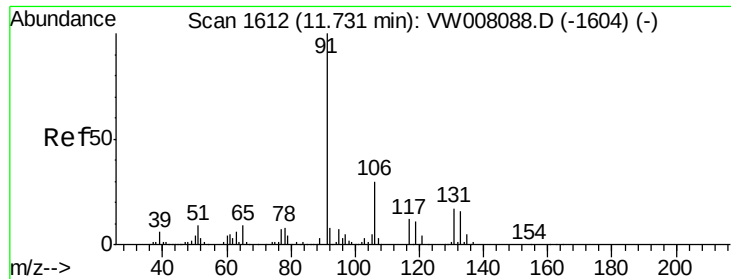
apatel
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#65
Chlorobenzene
Concen: 13.724 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	42440		
114	30.2	25.6	38.4	





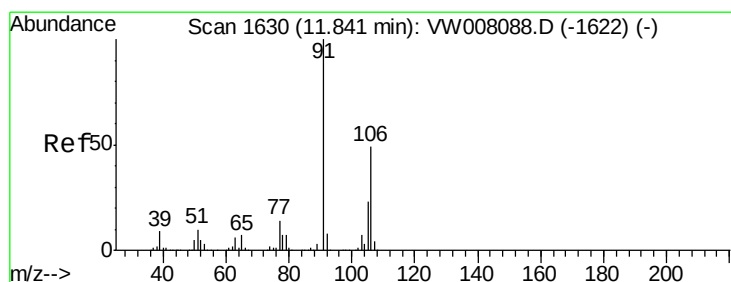
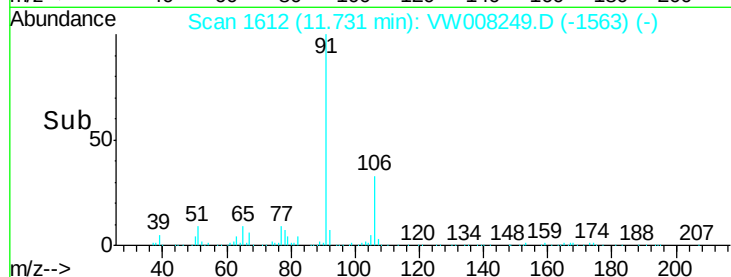
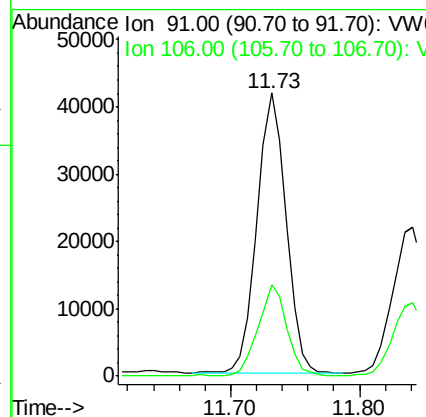
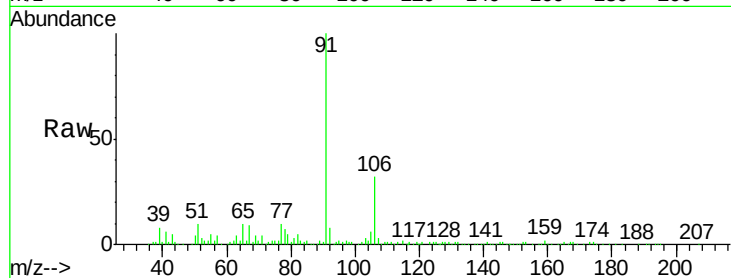
#67
Ethyl Benzene
Concen: 11.425 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

Tot Ion: 91 Resp: 64642
Ion Ratio Lower Upper
91 100
106 32.8 24.2 36.4

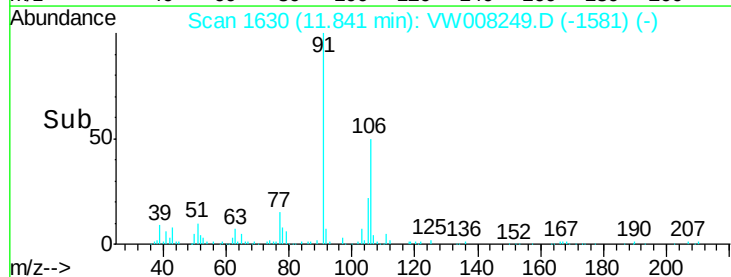
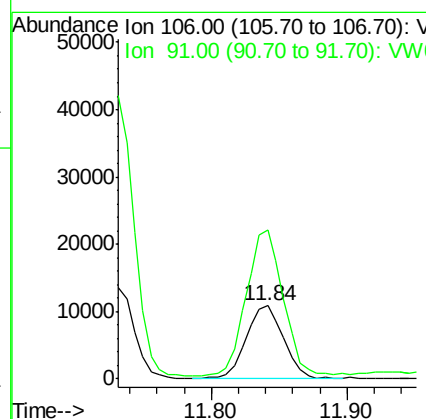
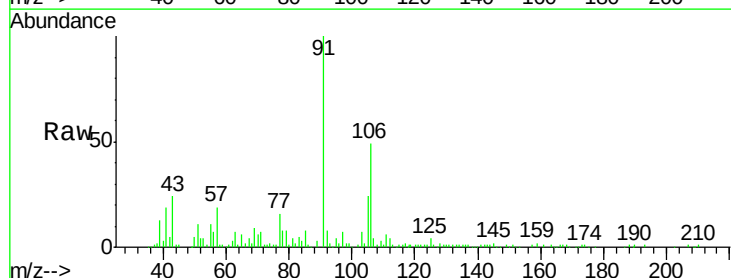
Manual Integrations
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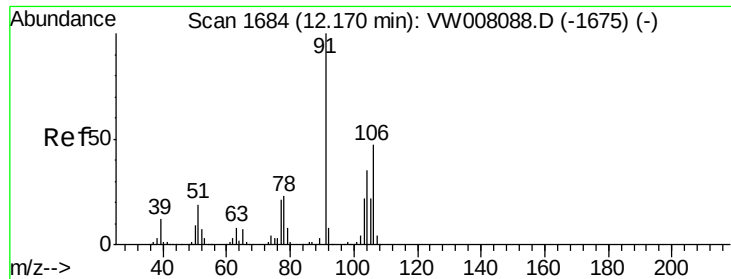
apatel
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#68
m/p-Xylenes
Concen: 9.749 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion: 106 Resp: 21054
Ion Ratio Lower Upper
106 100
91 193.9 162.4 243.6





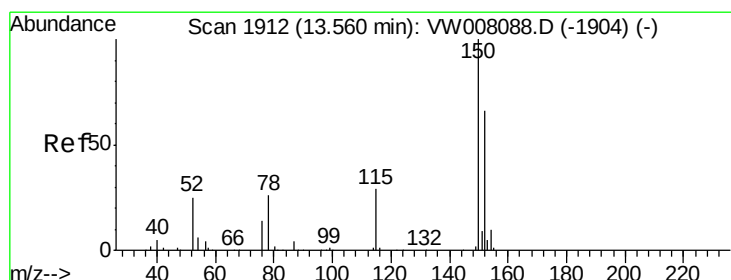
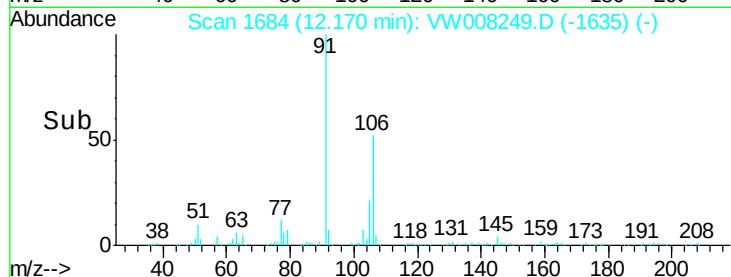
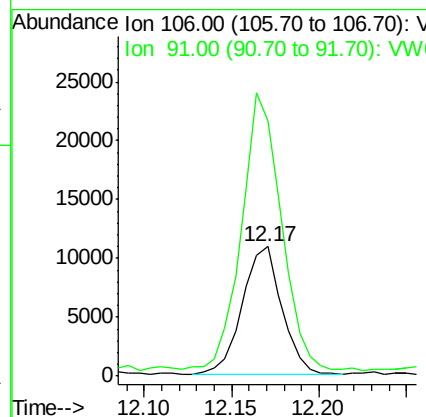
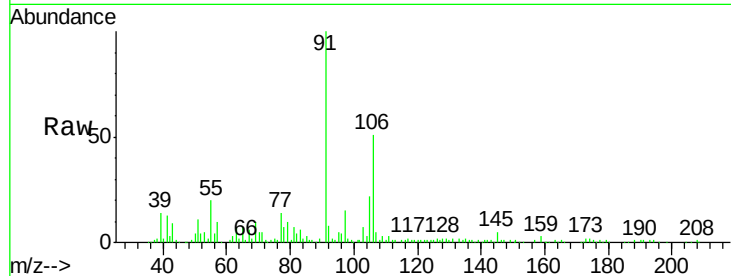
#69
o-Xylene
Concen: 8.621 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Instrument :
MSVOA_W
ClientSampleId :
CPSB-19(15-20)

Tot Ion:106 Resp: 17242
Ion Ratio Lower Upper
106 100
91 214.4 107.8 323.6

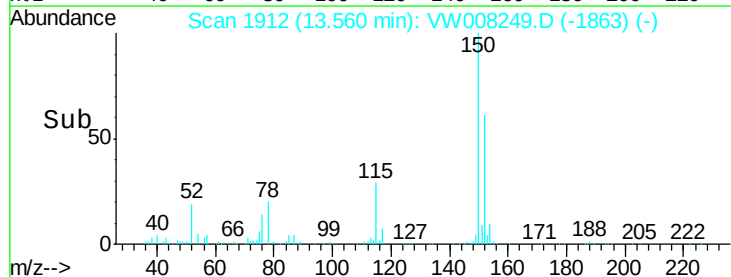
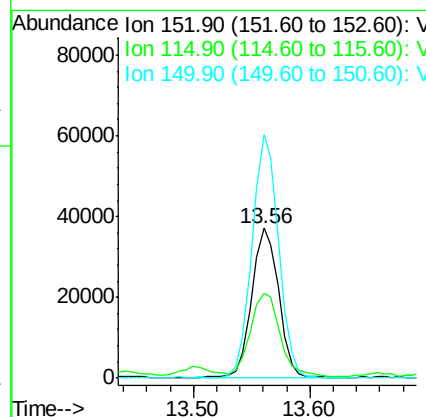
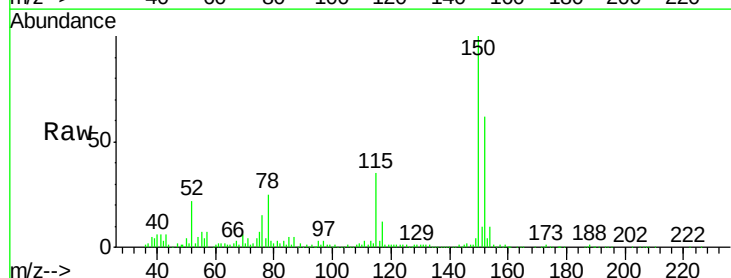
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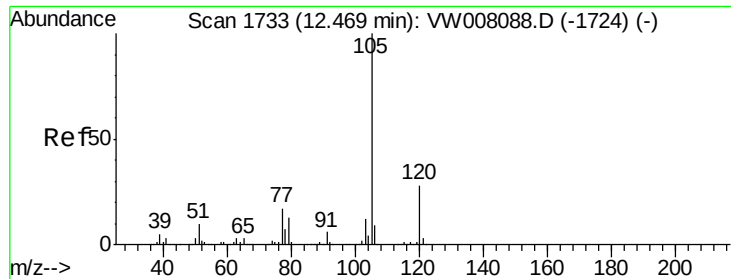
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008249.D
Acq: 14 Jan 2019 16:11

Tgt Ion:152 Resp: 60116
Ion Ratio Lower Upper
152 100
115 60.4 30.8 92.4
150 159.2 0.0 350.2





#73

Isopropylbenzene

Concen: 7.286 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion:105 Resp: 34387

Ion Ratio Lower Upper

105 100

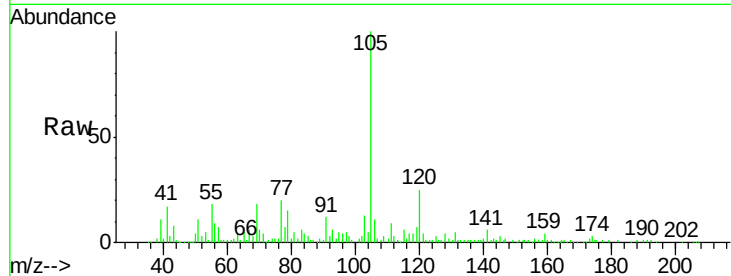
120 28.0 13.6 40.8

Manual Integrations

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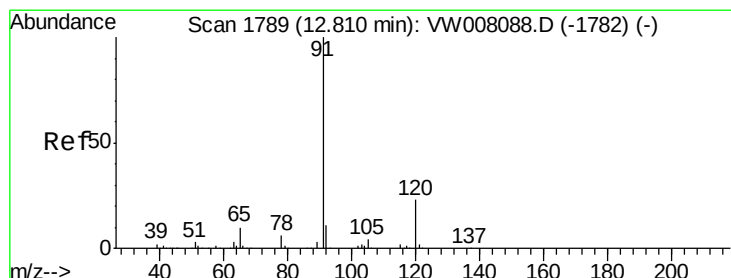
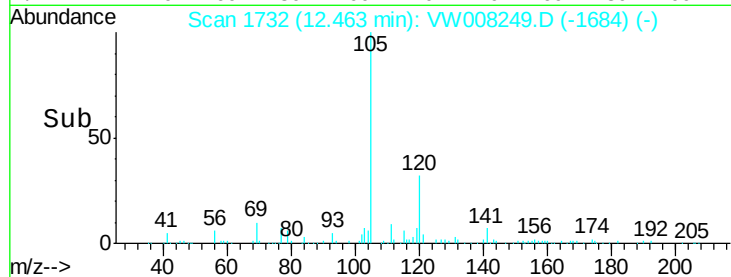
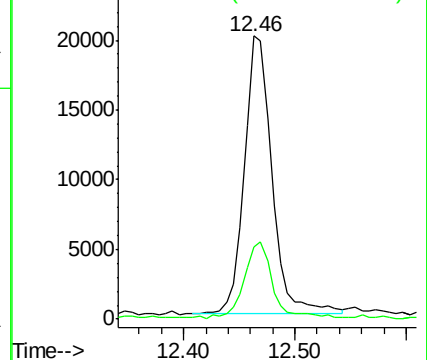
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 13.150 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008249.D

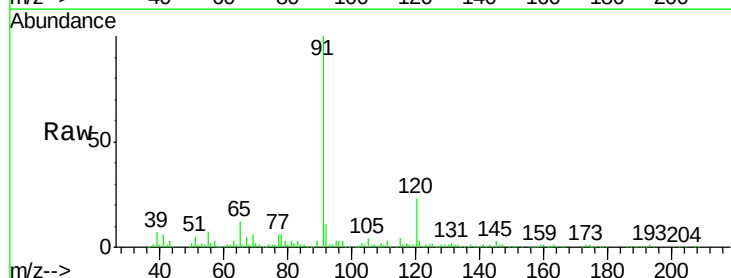
Acq: 14 Jan 2019 16:11

Tgt Ion: 91 Resp: 76045

Ion Ratio Lower Upper

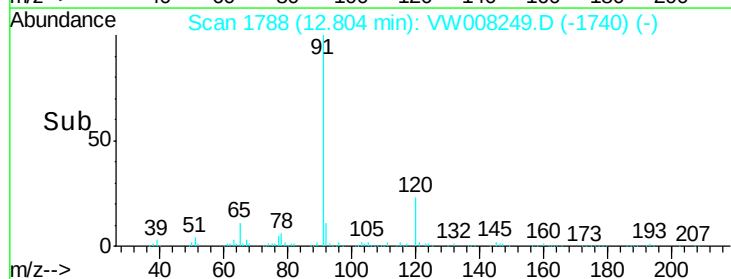
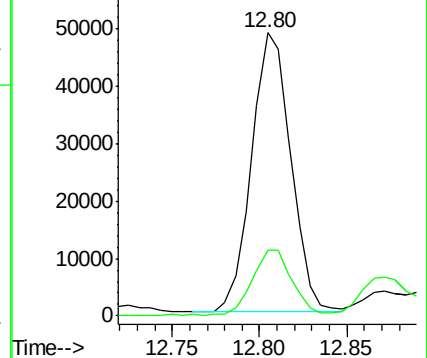
91 100

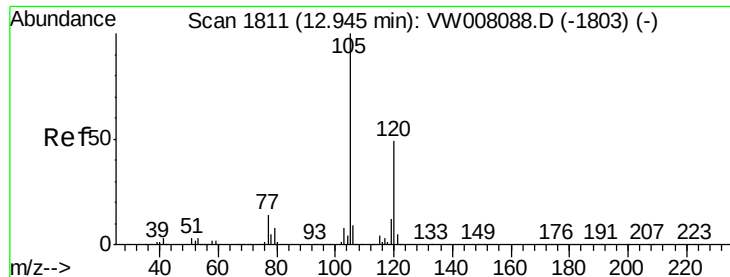
120 23.6 11.3 33.8



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: 14.503 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion:105 Resp: 56247

Ion Ratio Lower Upper

105 100

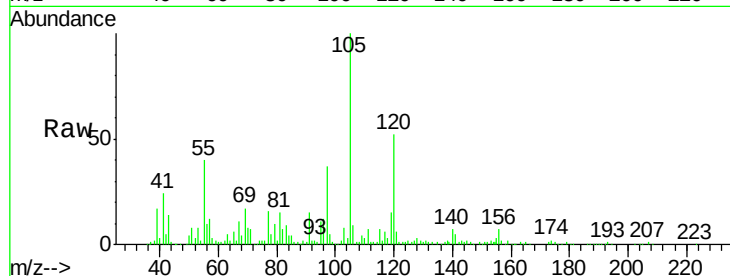
120 51.8 24.7 74.1

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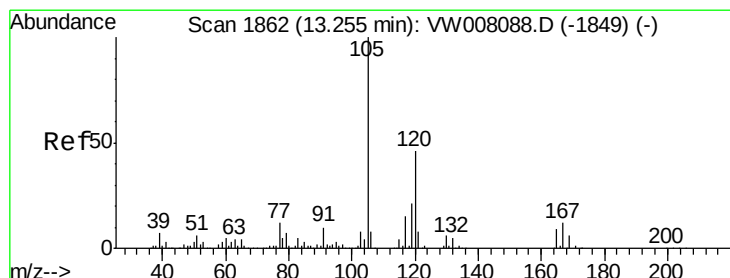
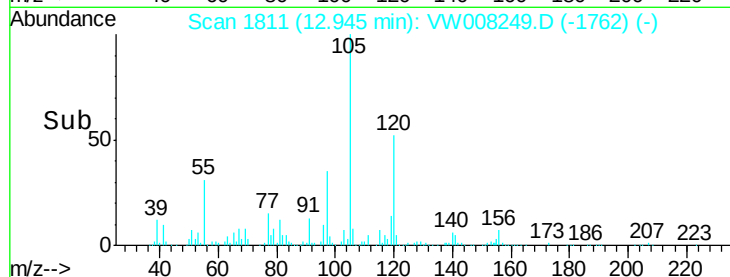
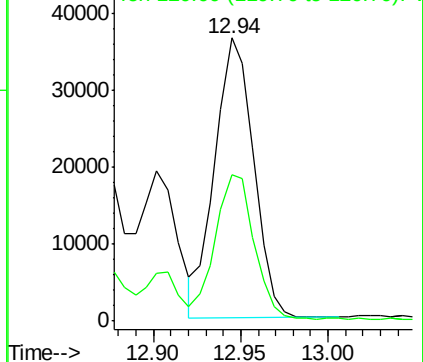
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 35.690 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008249.D

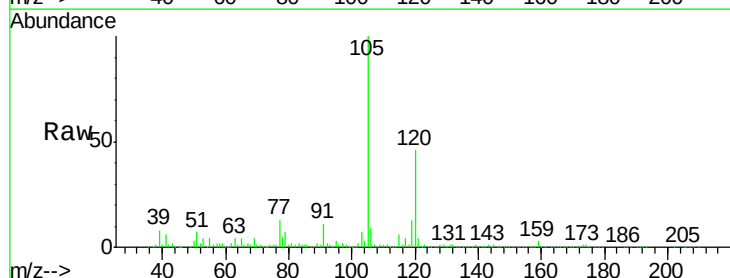
Acq: 14 Jan 2019 16:11

Tgt Ion:105 Resp: 142764

Ion Ratio Lower Upper

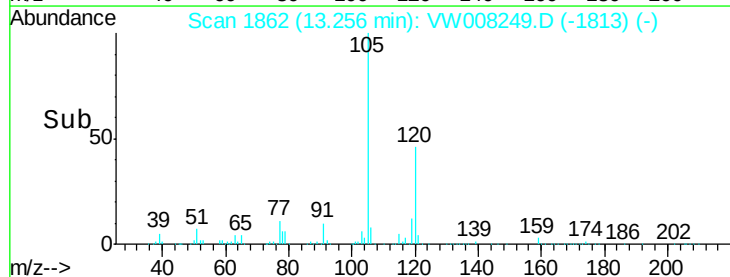
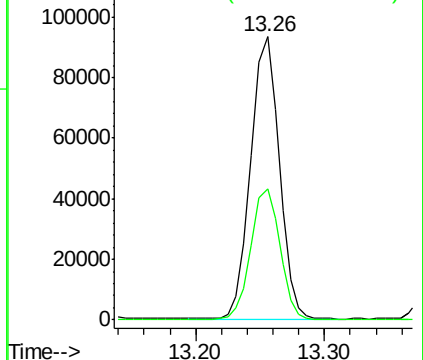
105 100

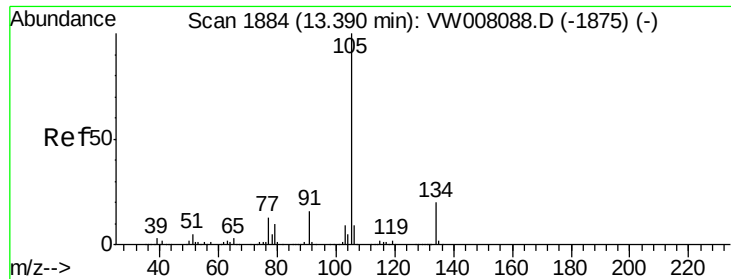
120 47.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.878 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

ClientSampleId :

CPSB-19(15-20)

Tot Ion:105 Resp: 24520

Ion Ratio Lower Upper

105 100

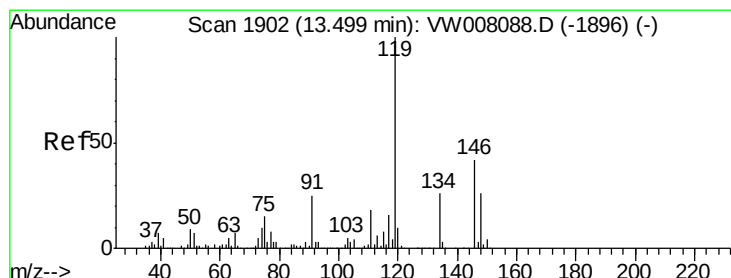
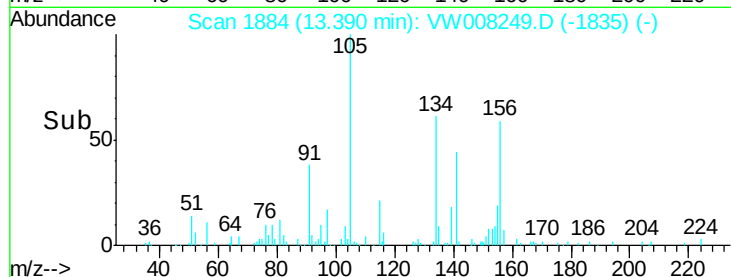
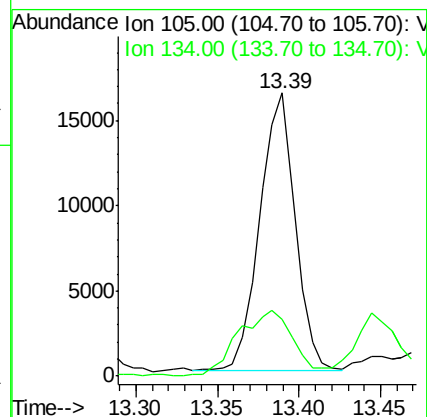
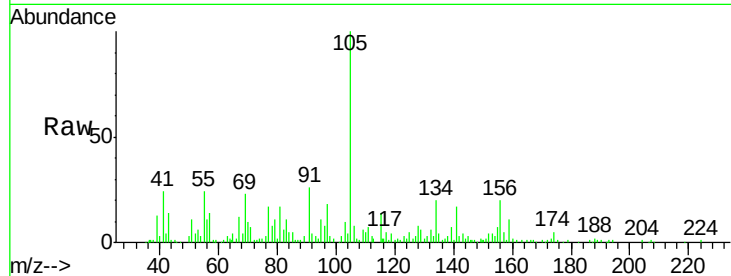
134 35.8 10.1 30.1#

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#86

p-Isopropyltoluene

Concen: 7.957 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

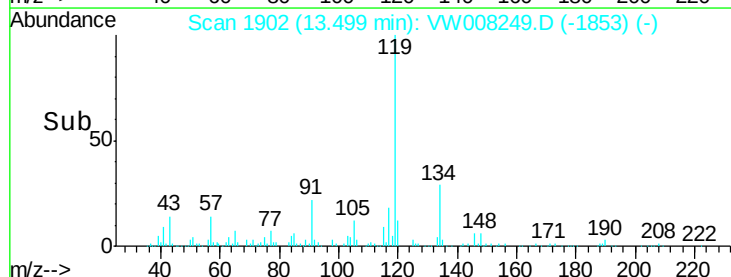
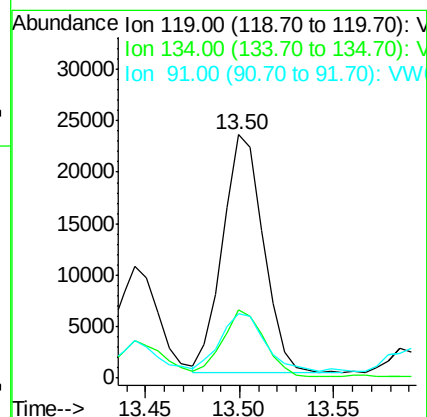
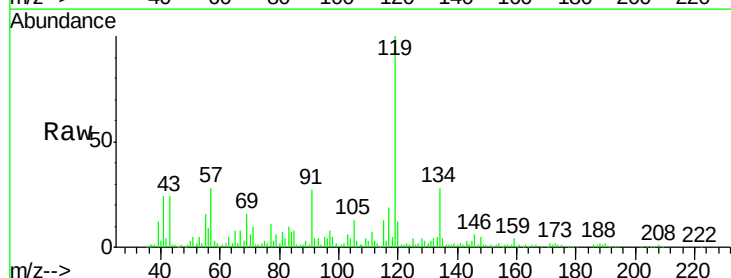
Tgt Ion:119 Resp: 34538

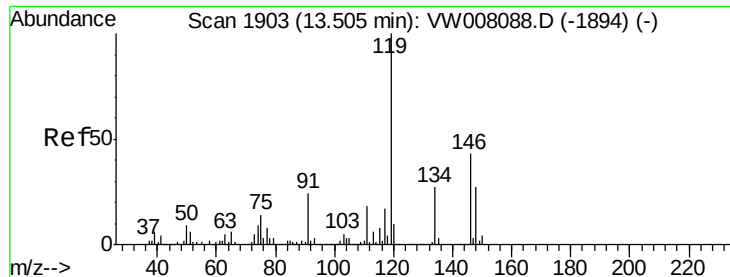
Ion Ratio Lower Upper

119 100

134 29.2 13.3 39.8

91 26.4 12.3 36.9





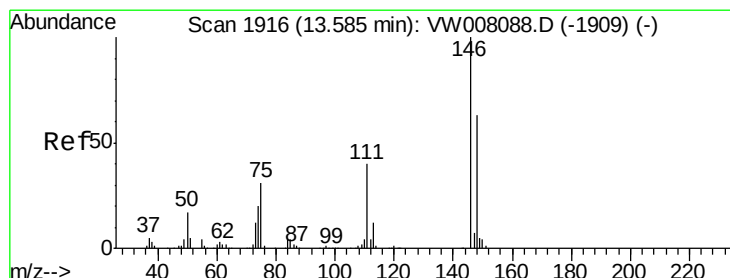
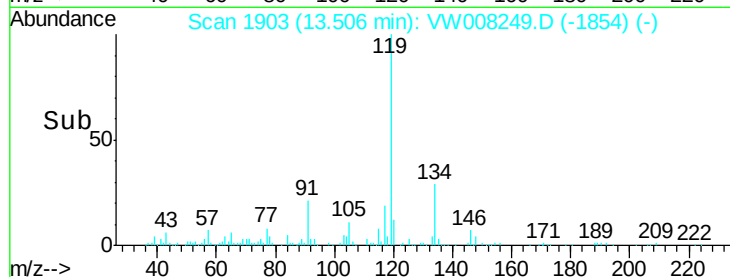
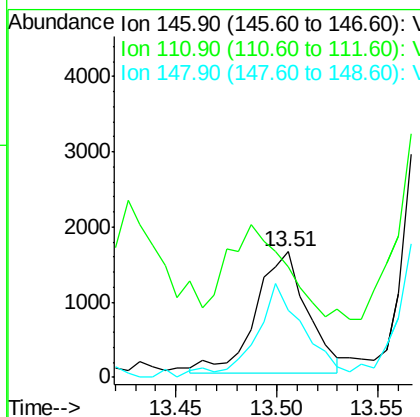
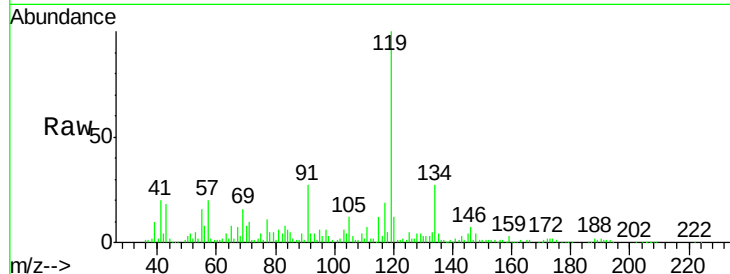
#87
 1,3-Dichlorobenzene
 Concen: 1.443 ug/l m
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

Tot Ion	Ratio	Lower	Upper
146	100		
111	236.7	21.1	63.1#
148	267.1	31.3	93.9#

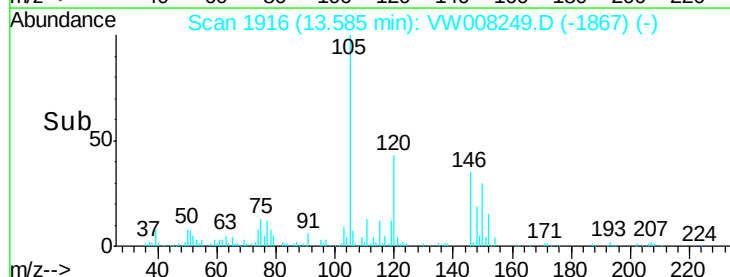
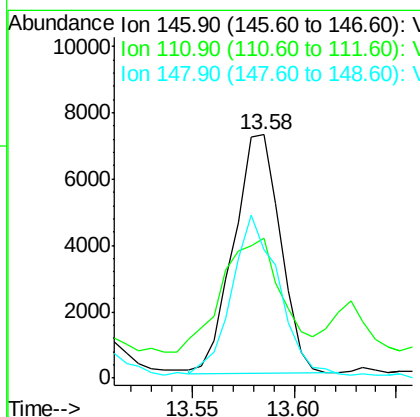
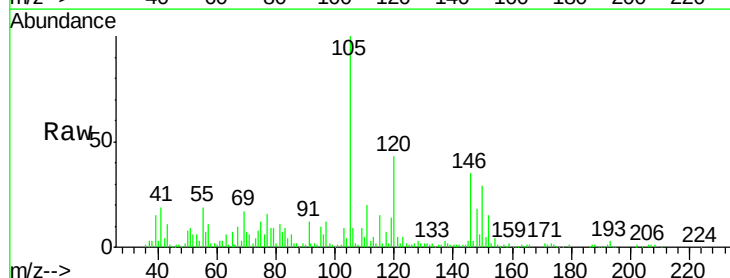
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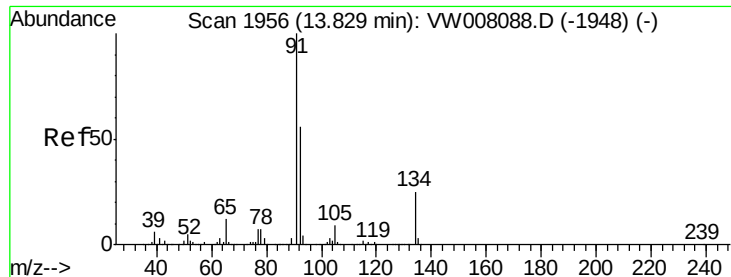
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#88
 1,4-Dichlorobenzene
 Concen: 5.610 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.7	20.5	61.5
148	68.8	31.6	94.8





#89

n-Butylbenzene

Concen: 6.757 ug/l m

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Instrument :

MSVOA_W

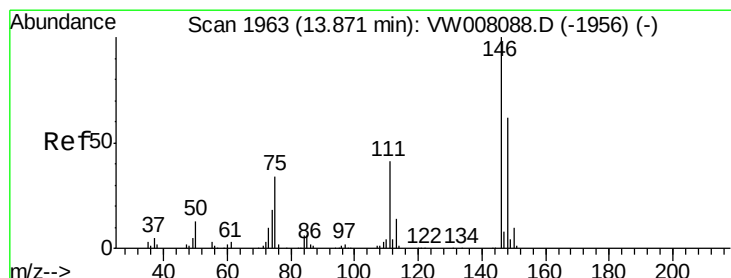
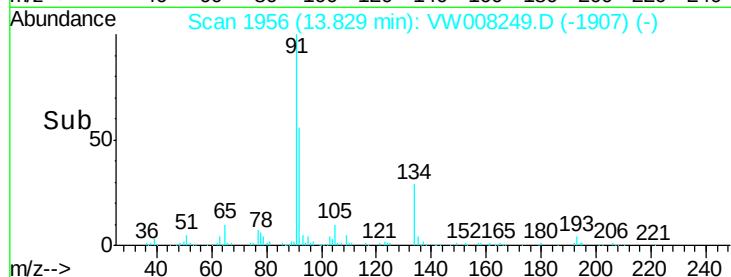
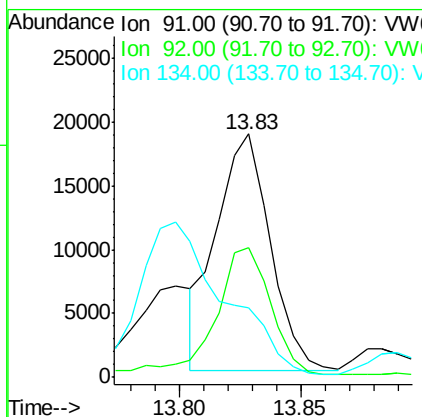
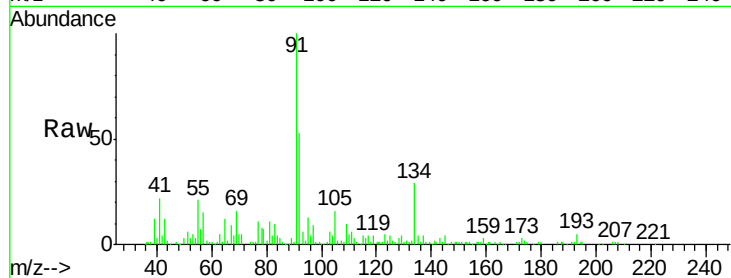
ClientSampleId :

CPSB-19(15-20)

Tot Ion:	91	Resp:	28722
Ion Ratio	Lower	Upper	
91	100		
92	55.2	27.4	82.2
134	0.0	12.6	37.8#

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#91

1,2-Dichlorobenzene

Concen: 47.048 ug/l

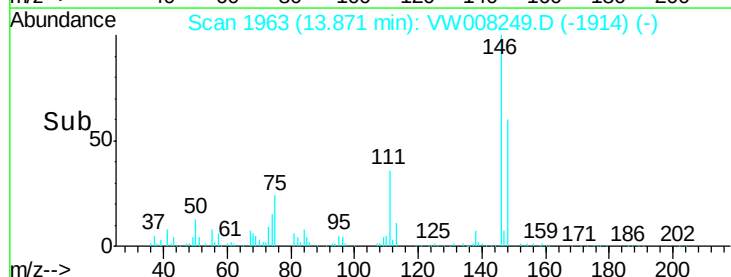
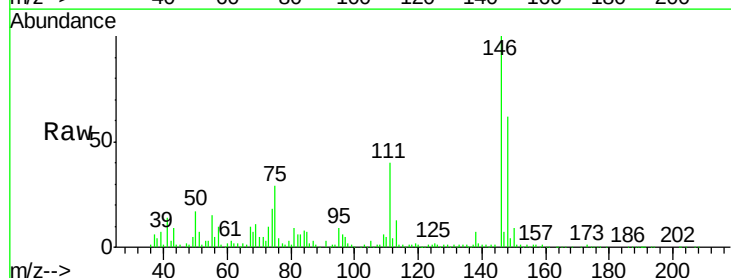
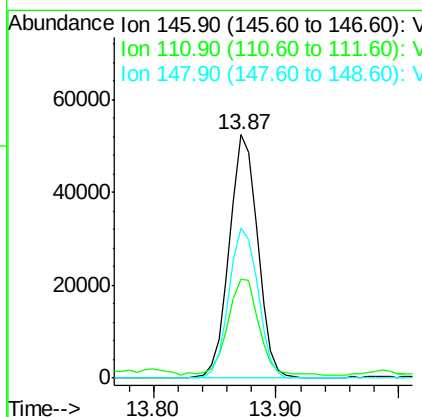
RT: 13.87 min Scan# 1963

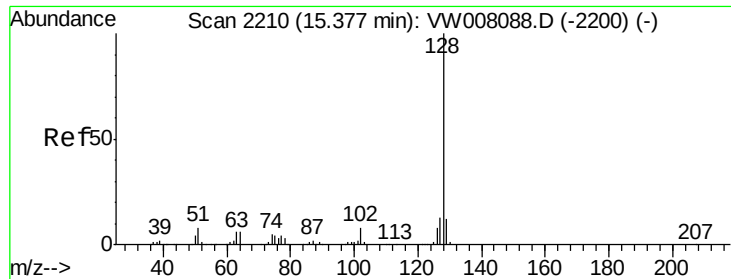
Delta R.T. 0.00 min

Lab File: VW008249.D

Acq: 14 Jan 2019 16:11

Tgt Ion:	146	Resp:	83646
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.3	63.7
148	63.8	31.5	94.5





#95
 Naphthalene
 Concen: 24.618 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW008249.D
 Acq: 14 Jan 2019 16:11

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-19(15-20)

Tot Ion:	128	Resp:	54259
Ion Ratio		Lower	Upper
128	100		
127	16.0	11.0	16.4
129	12.6	9.0	13.6

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