

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007752.D
 Acq On : 20 Dec 2018 17:32
 Operator : SY/AP
 Sample : J6392-12
 Misc : 6.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(22-24)

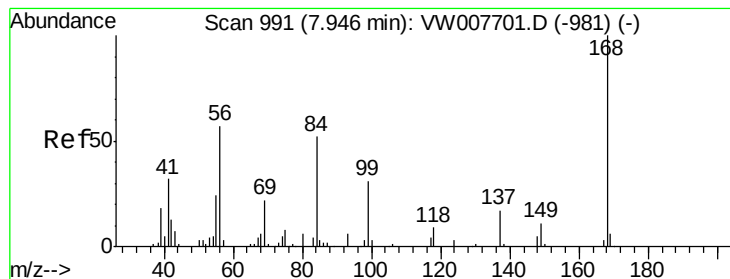
Manual Integrations
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apatel
 12/21/2018 11:02:50 AM

Quant Time: Dec 21 04:24:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	45032	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.87	114	85212	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.64	117	73409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21727	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	33657	68.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	136.38%	
35) Dibromofluoromethane	7.91	113	41819	80.45	ug/l	0.02
Spiked Amount 50.000			Recovery	=	160.90%	
50) Toluene-d8	10.39	98	446965	228.08	ug/l	0.07
Spiked Amount 50.000			Recovery	=	456.16%	
62) 4-Bromofluorobenzene	12.63	95	225798m	298.25	ug/l	0.01
Spiked Amount 50.000			Recovery	=	596.50%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.99	56	3535893	4812.450	ug/l #	68
39) Methylcyclohexane	9.37	83	9485459	9281.445	ug/l #	77
40) Benzene	8.35	78	4410983	2009.841	ug/l	100
52) Toluene	10.40	92	56562036m	38412.518	ug/l	
67) Ethyl Benzene	11.73	91	59585858m	21854.197	ug/l	
68) m/p-Xylenes	11.91	106	55197419m	52188.438	ug/l	
69) o-Xylene	12.24	106	30486121	30750.051	ug/l #	1
73) Isopropylbenzene	12.48	105	20880025	12713.745	ug/l	91
78) n-propylbenzene	12.82	91	31679844m	16570.995	ug/l	
80) 1,3,5-Trimethylbenzene	12.88	105	68544542m	48386.035	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	35294232m	24690.833	ug/l	
85) sec-Butylbenzene	13.40	105	2206415	1288.009	ug/l #	48
86) p-Isopropyltoluene	13.52	119	15246840	9788.087	ug/l	96
89) n-Butylbenzene	13.83	91	2558873	1791.662	ug/l #	79
95) Naphthalene	15.37	128	1425910	1660.594	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 998

Delta R.T. 0.04 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

Instrument :

MSVOA_W

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KY001SB104-121218-(22-24)

Tgt Ion:168 Resp: 45032

Ion Ratio Lower Upper

168 100

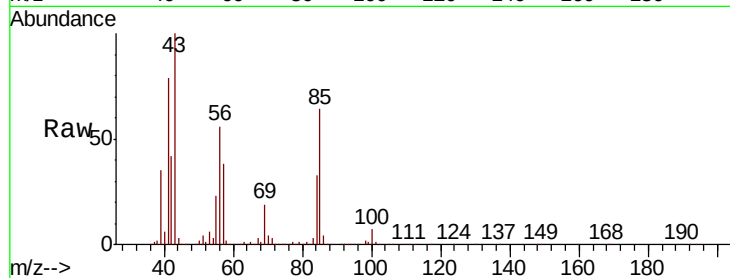
99 133.2 54.0 81.0#

Manual Integrations

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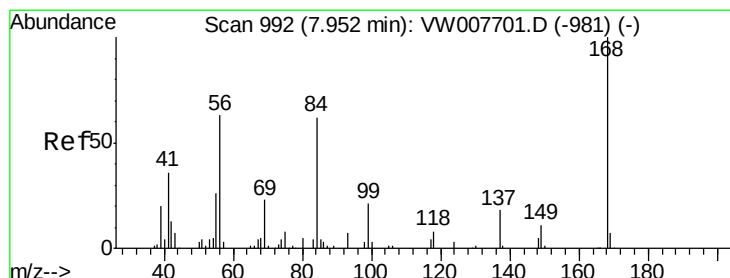
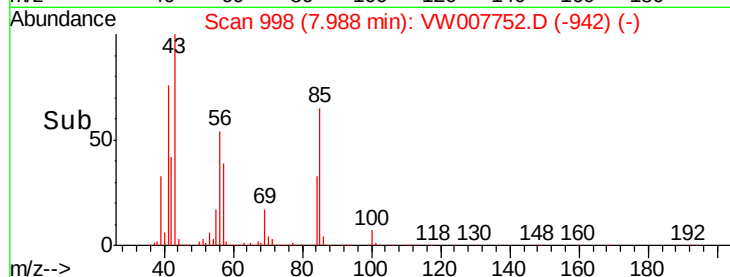
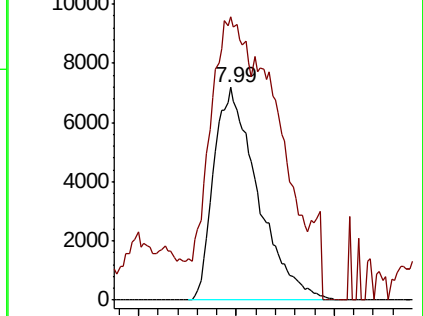
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#31

Cyclohexane

Concen: 4812.450 ug/l

RT: 7.99 min Scan# 998

Delta R.T. 0.04 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

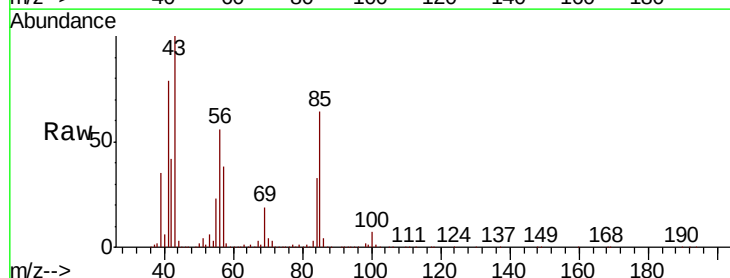
Tgt Ion: 56 Resp: 3535893

Ion Ratio Lower Upper

56 100

69 25.6 29.7 44.5#

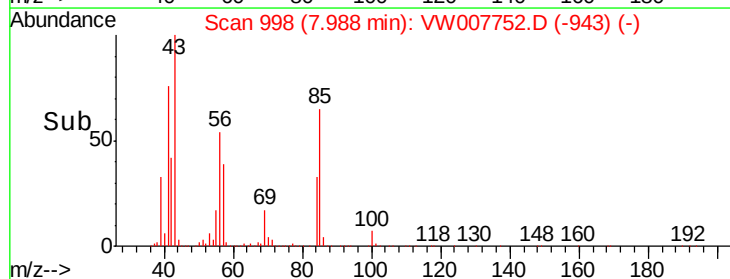
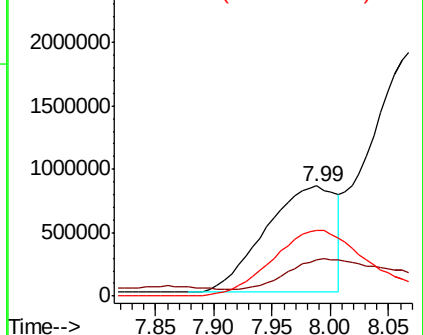
84 62.1 78.9 118.3#

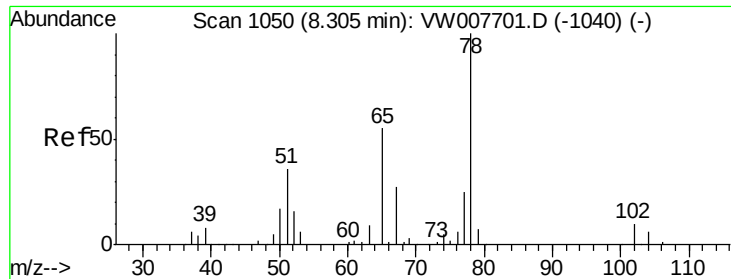


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW





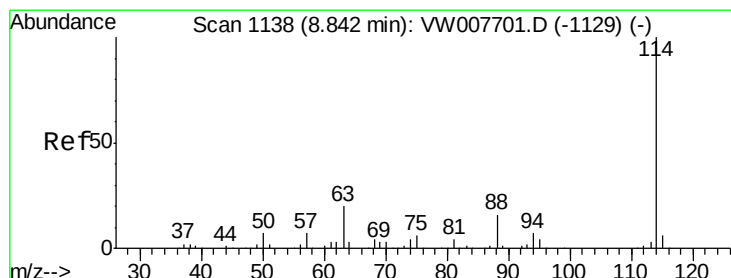
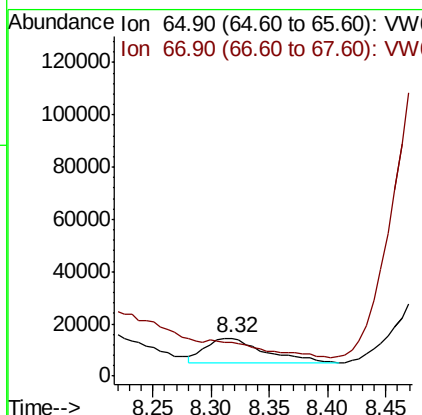
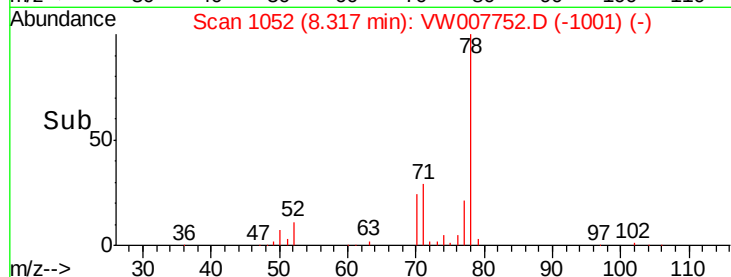
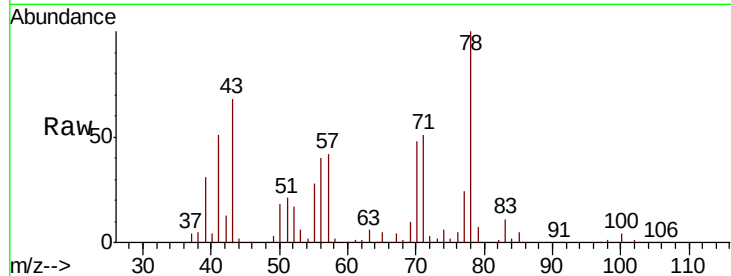
#33
 1,2-Dichloroethane-d4
 Concen: 68.191 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW007752.D
 Acq: 20 Dec 2018 17:32

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(22-24)

Tgt Ion: 65 Resp: 33657
 Ion Ratio Lower Upper
 65 100
 67 0.0 0.0 100.6

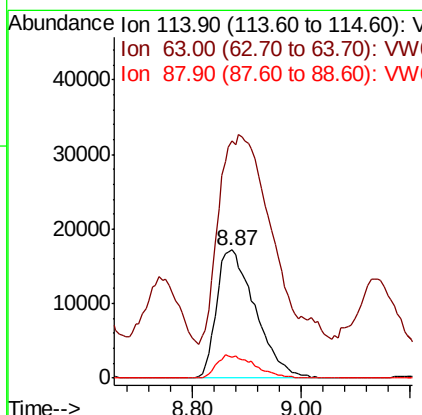
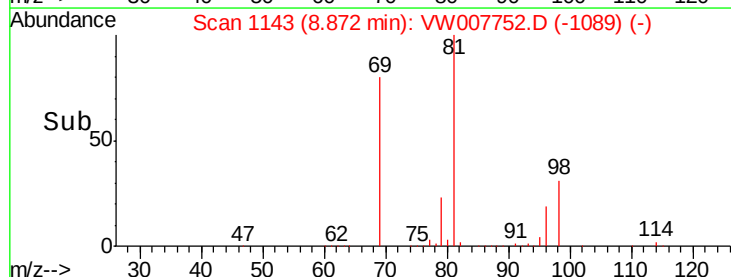
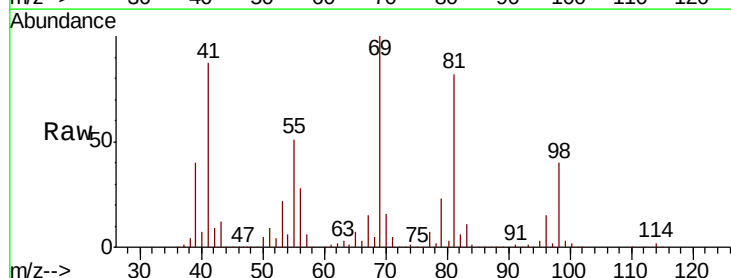
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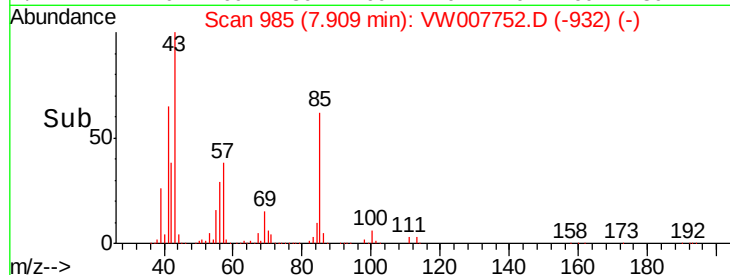
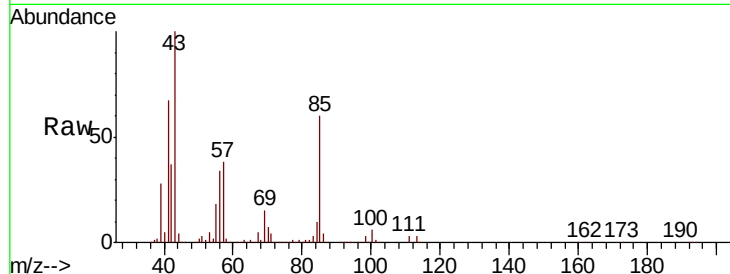
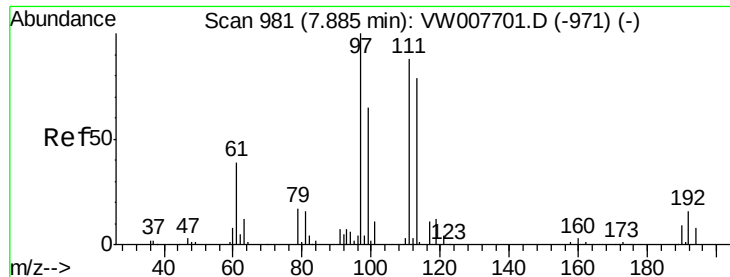
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1143
 Delta R.T. 0.03 min
 Lab File: VW007752.D
 Acq: 20 Dec 2018 17:32

Tgt Ion: 114 Resp: 85212
 Ion Ratio Lower Upper
 114 100
 63 153.7 0.0 40.0#
 88 16.7 0.0 32.6





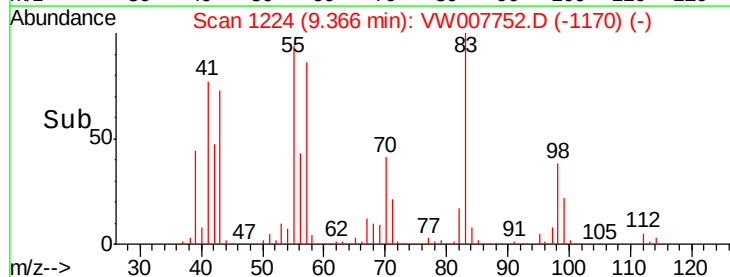
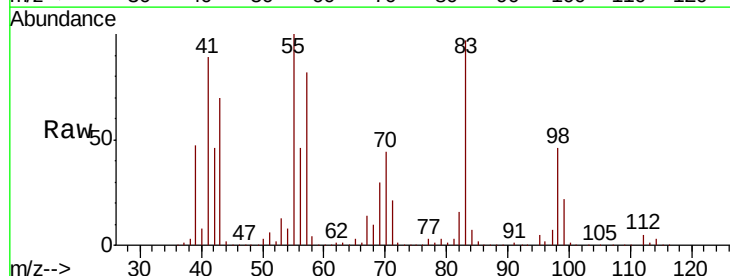
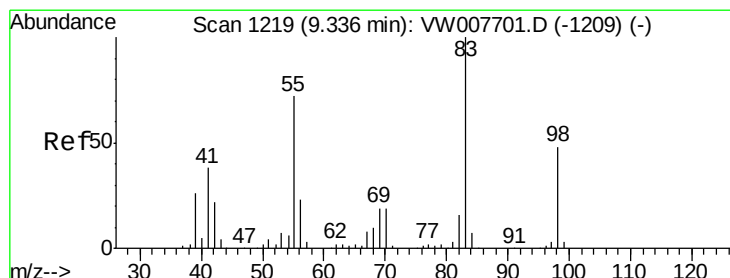
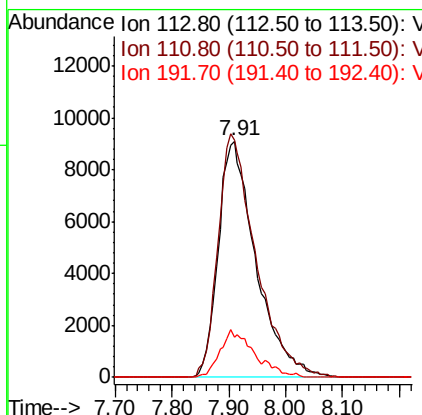
#35
Dibromofluoromethane
Concen: 80.446 ug/l
RT: 7.91 min Scan# 985
Delta R.T. 0.02 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	41819		
111	103.5	82.6	124.0	
192	18.5	15.5	23.3	

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(22-24)

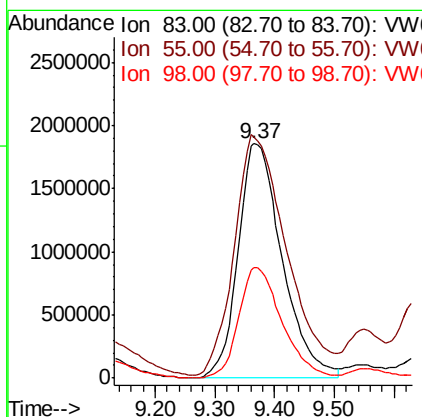
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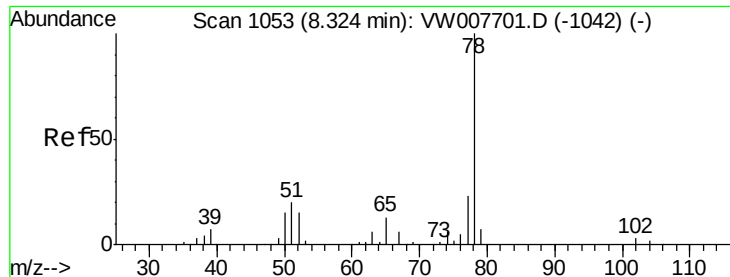
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#39
Methylcyclohexane
Concen: 9281.445 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.03 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9485459		
55	101.9	57.2	85.8#	
98	46.9	38.6	58.0	





#40

Benzene

Concen: 2009.841 ug/l

RT: 8.35 min Scan# 1058

Delta R.T. 0.03 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(22-24)

Tgt Ion: 78 Resp: 4410983

Ion Ratio Lower Upper

78 100

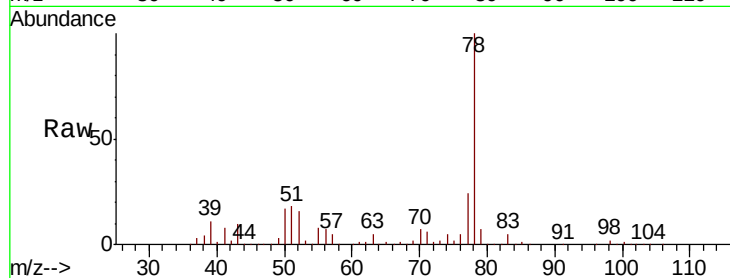
77 23.5 18.7 28.1

Manual Integrations

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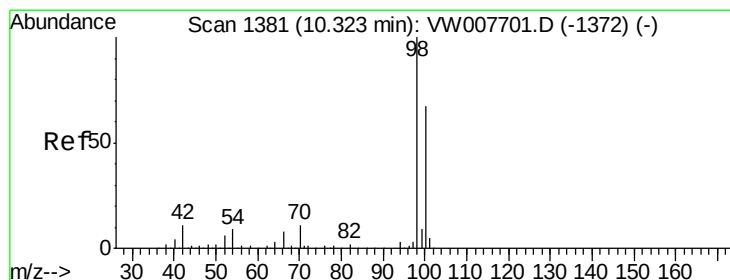
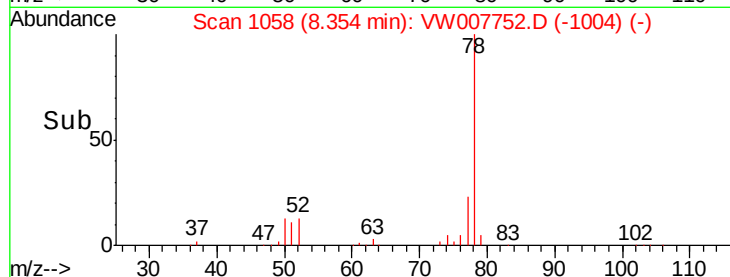
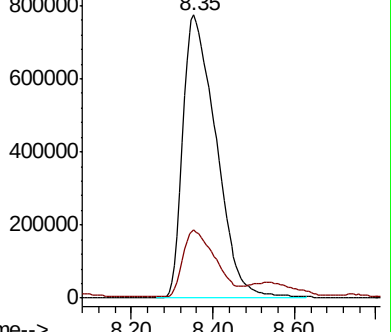
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Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 228.077 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.07 min

Lab File: VW007752.D

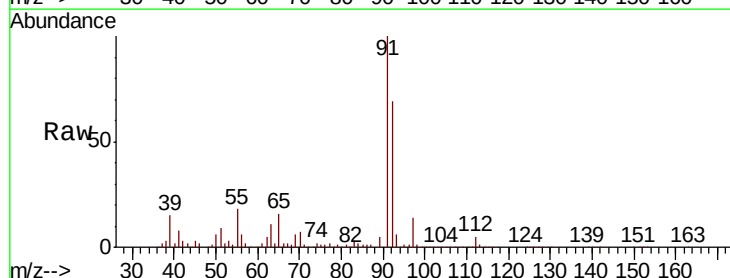
Acq: 20 Dec 2018 17:32

Tgt Ion: 98 Resp: 446965

Ion Ratio Lower Upper

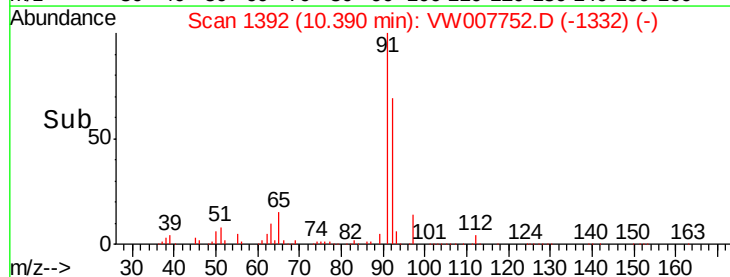
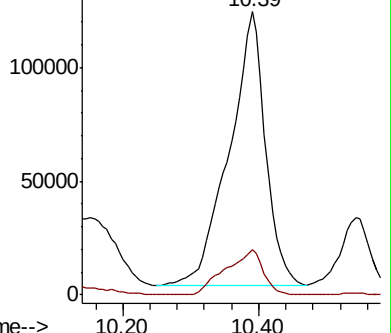
98 100

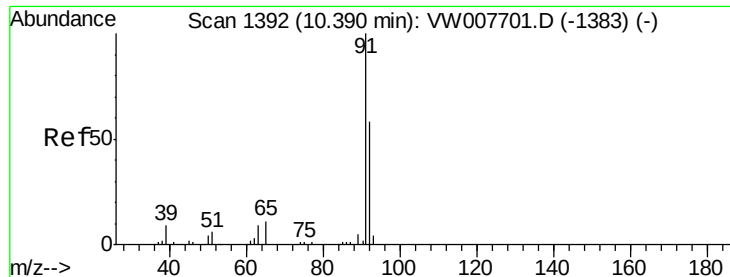
100 17.1 52.2 78.2#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 38412.518 ug/l m

RT: 10.40 min Scan# 1394

Delta R.T. 0.01 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(22-24)

Tgt Ion: 92 Resp: 56562036

Ion Ratio Lower Upper

92 100

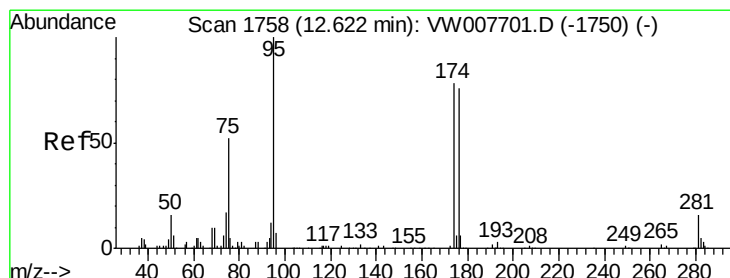
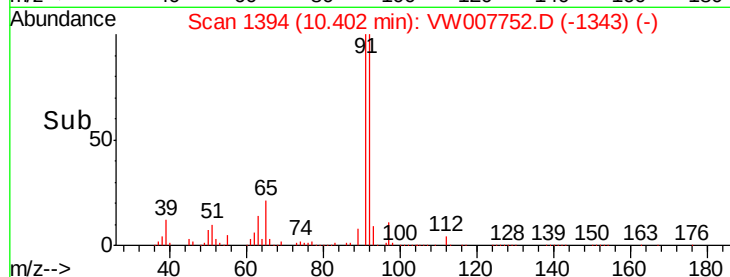
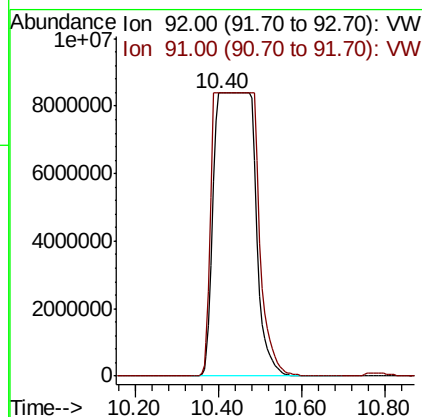
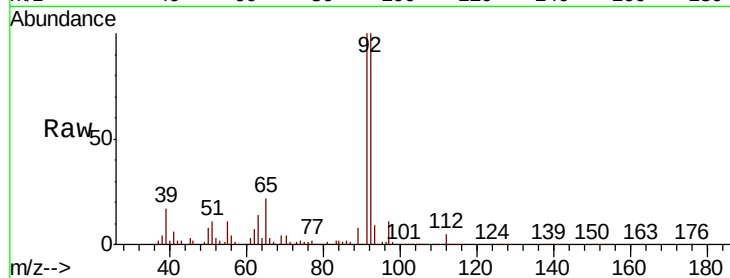
91 0.0 137.0 205.4#

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 298.249 ug/l m

RT: 12.63 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

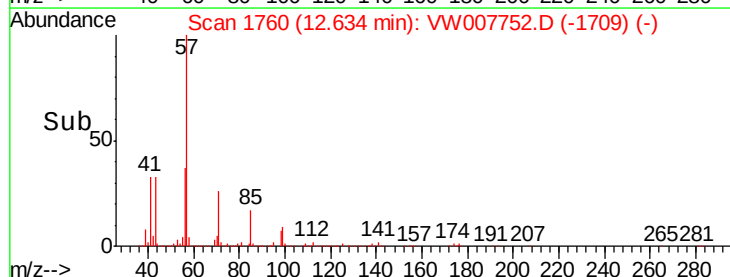
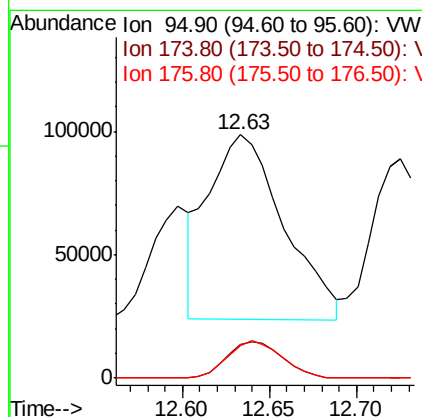
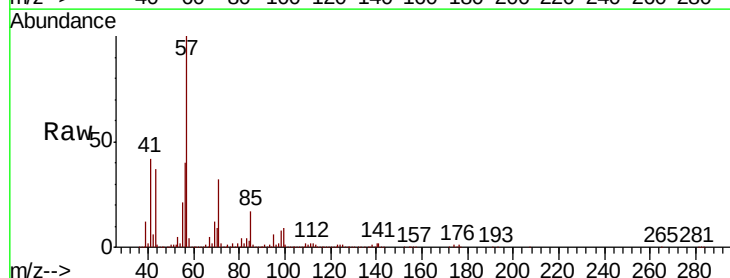
Tgt Ion: 95 Resp: 225798

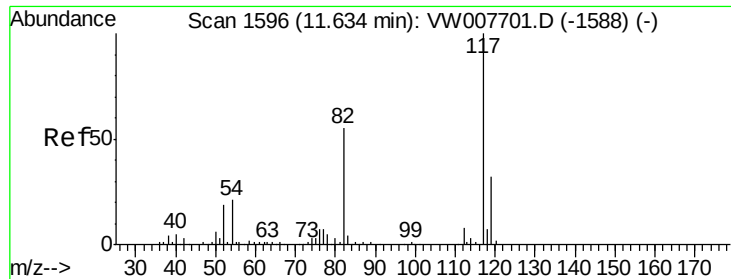
Ion Ratio Lower Upper

95 100

174 14.5 0.0 152.2

176 14.2 0.0 146.8





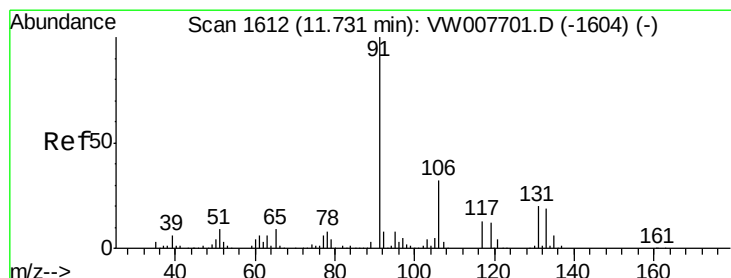
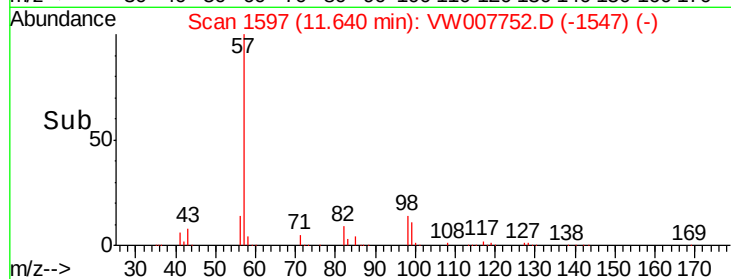
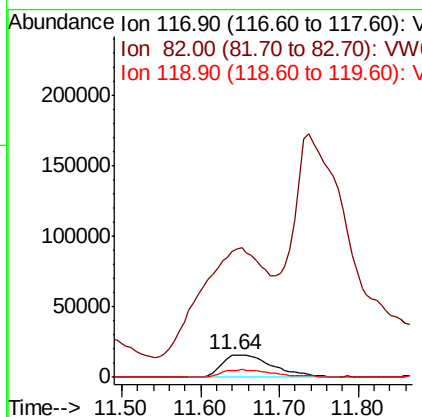
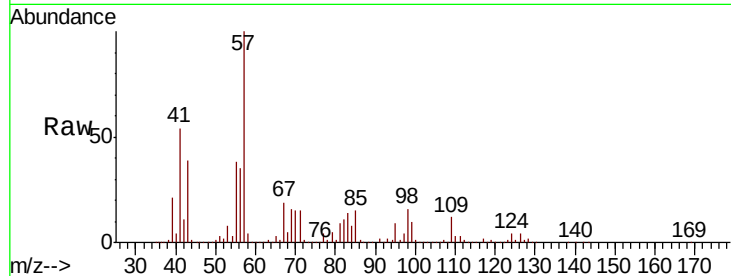
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(22-24)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	263.6	44.3	66.5#
119	32.5	25.7	38.5

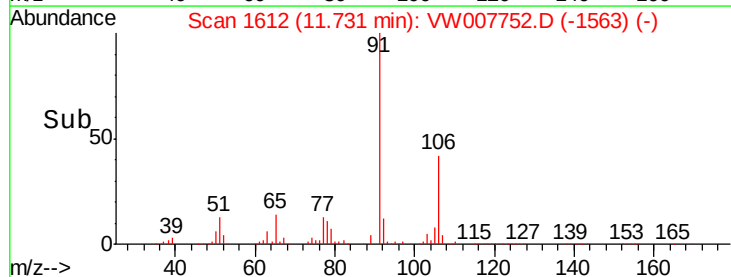
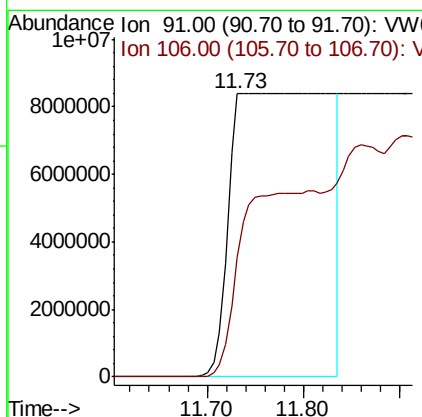
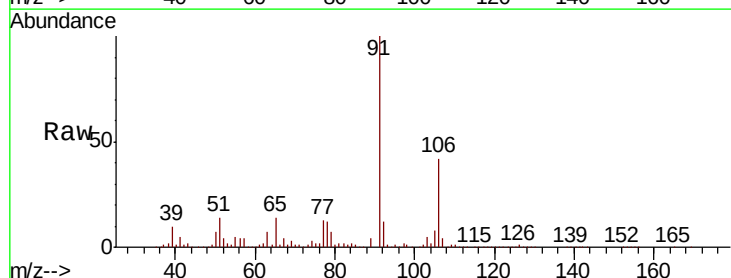
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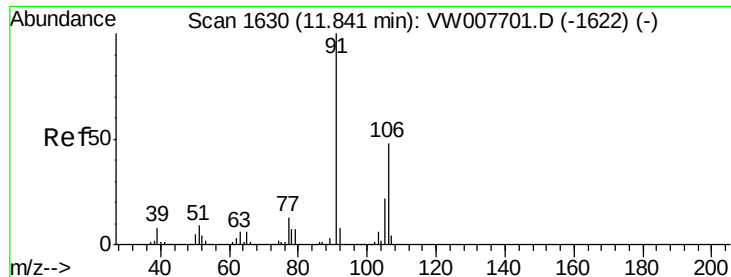
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#67
Ethyl Benzene
Concen: 21854.197 ug/l m
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	42.1	25.8	38.8#





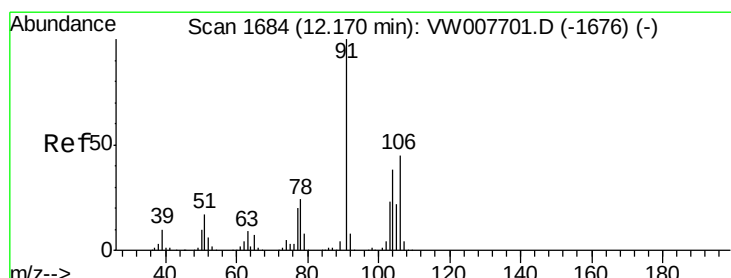
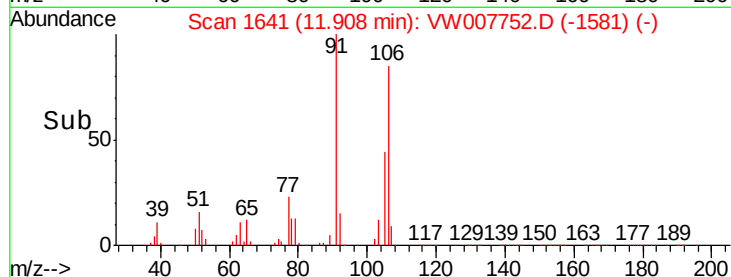
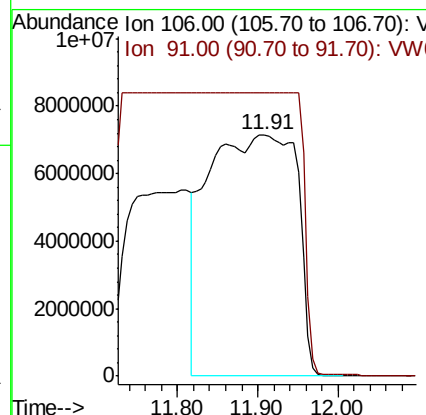
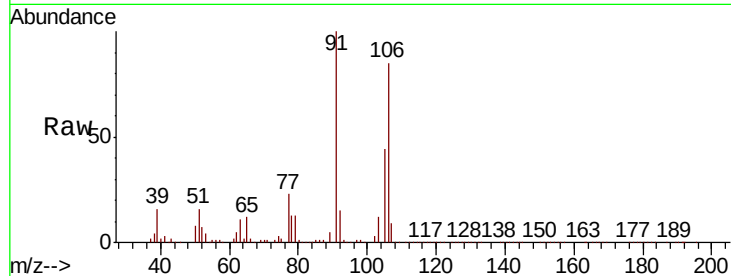
#68
m/p-Xylenes
Concen: 52188.438 ug/l m
RT: 11.91 min Scan# 1641
Delta R.T. 0.07 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(22-24)

Tgt Ion:106 Resp:55197419
Ion Ratio Lower Upper
106 100
91 0.0 165.2 247.8#

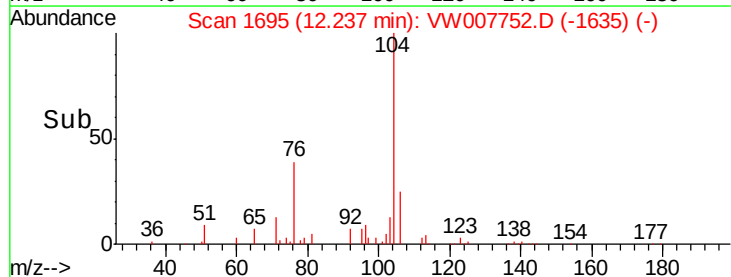
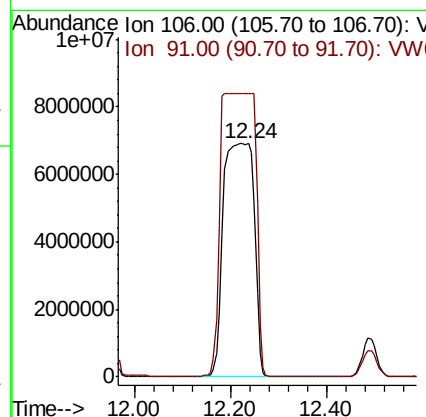
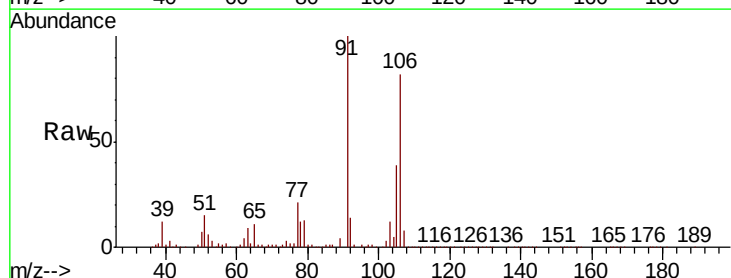
Manual Integrations
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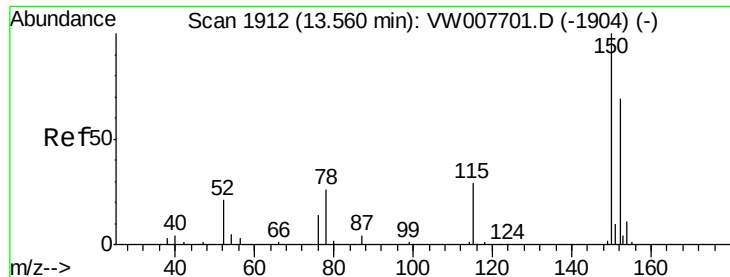
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#69
o-Xylene
Concen: 30750.051 ug/l
RT: 12.24 min Scan# 1695
Delta R.T. 0.07 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Tgt Ion:106 Resp:30486121
Ion Ratio Lower Upper
106 100
91 0.0 110.5 331.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.02 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(22-24)

Tgt Ion:152 Resp: 21727

Ion Ratio Lower Upper

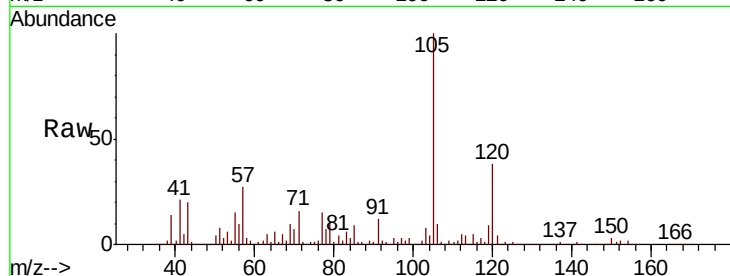
152 100

115 0.0 31.8 95.4#

150 101.9 0.0 350.8

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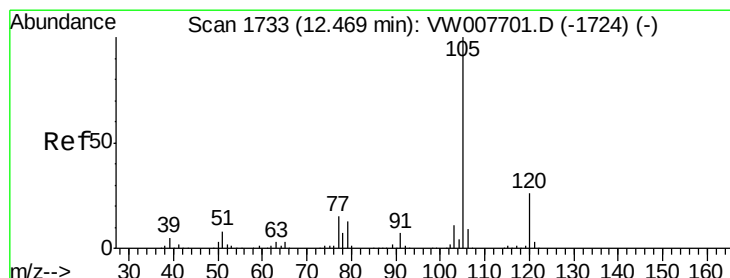
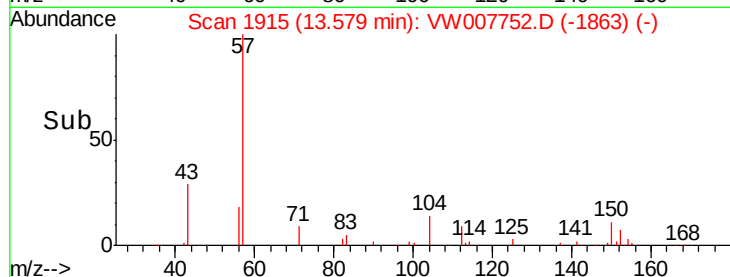
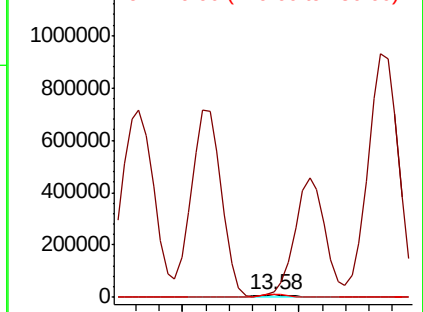


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 12713.745 ug/l

RT: 12.48 min Scan# 1735

Delta R.T. 0.01 min

Lab File: VW007752.D

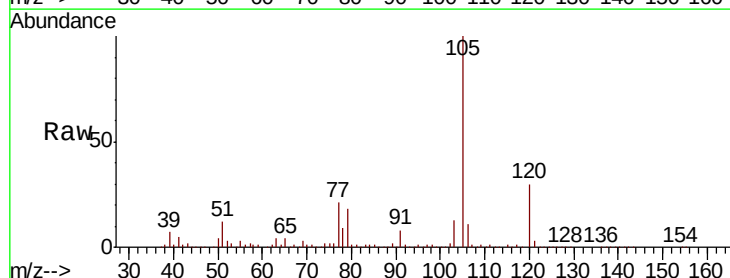
Acq: 20 Dec 2018 17:32

Tgt Ion:105 Resp:20880025

Ion Ratio Lower Upper

105 100

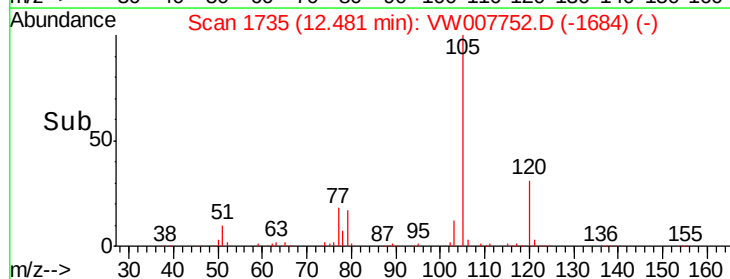
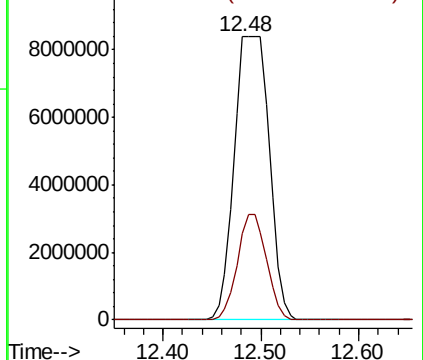
120 30.8 13.1 39.3

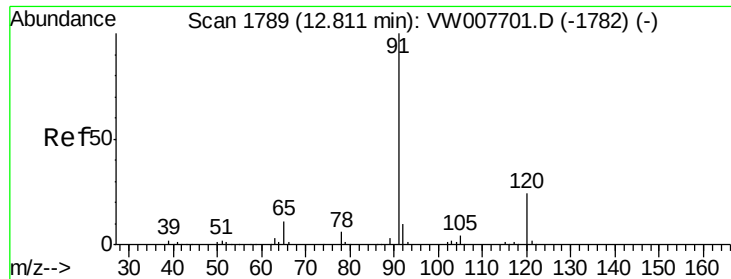


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 16570.995 ug/l m

RT: 12.82 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VW007752.D

Acq: 20 Dec 2018 17:32

Instrument :

MSVOA_W

ClientSampleId :

KY001SB104-121218-(22-24)

Tgt Ion: 91 Resp:31679844

Ion Ratio Lower Upper

91 100

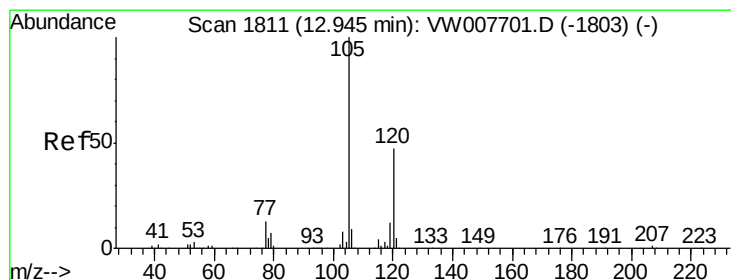
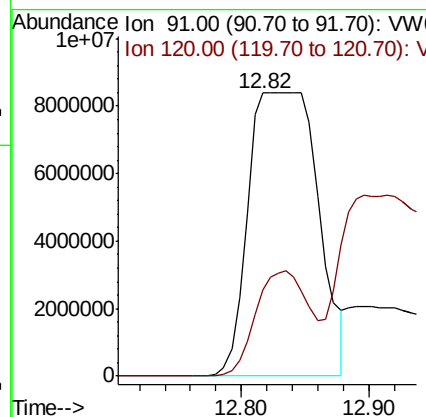
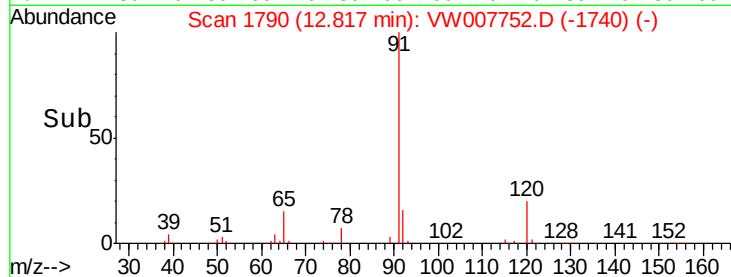
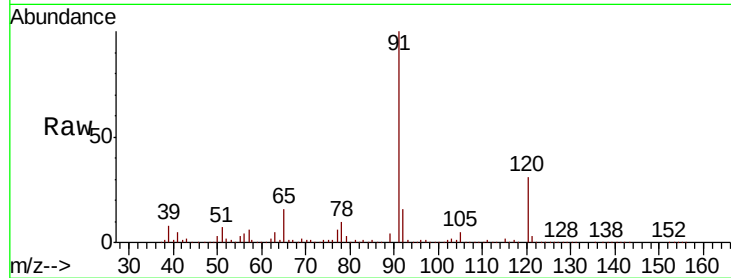
120 43.0 11.9 35.7#

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#80

1,3,5-Trimethylbenzene

Concen: 48386.035 ug/l m

RT: 12.88 min Scan# 1800

Delta R.T. -0.07 min

Lab File: VW007752.D

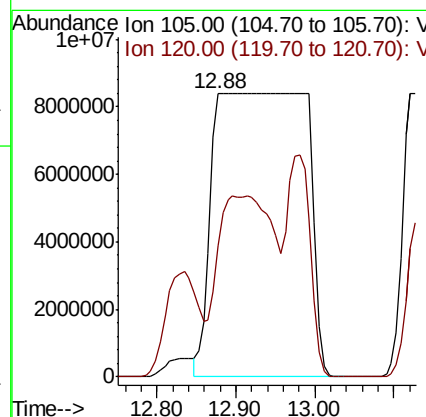
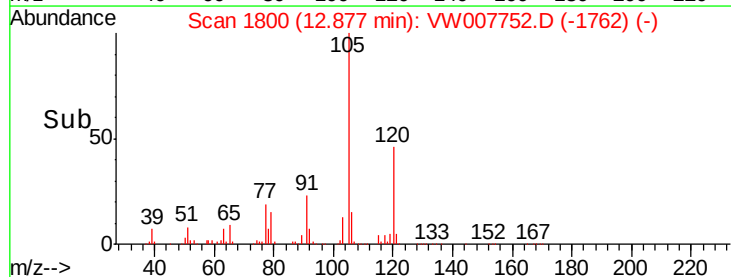
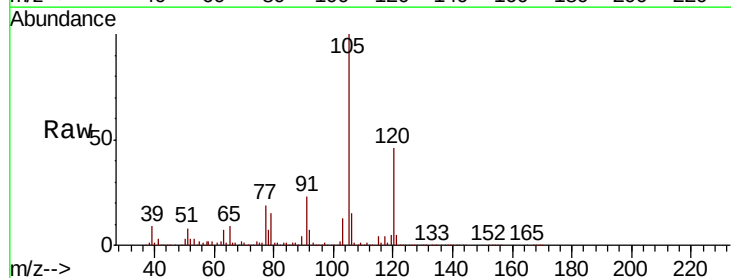
Acq: 20 Dec 2018 17:32

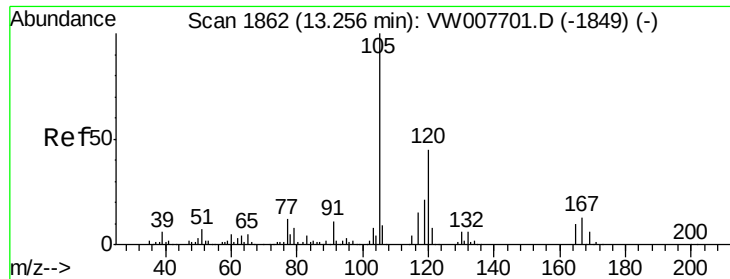
Tgt Ion:105 Resp:68544542

Ion Ratio Lower Upper

105 100

120 13.7 23.6 70.8#





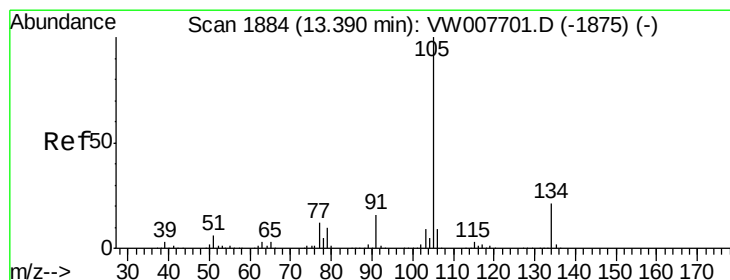
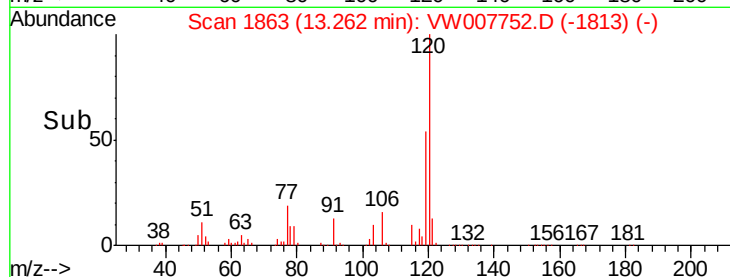
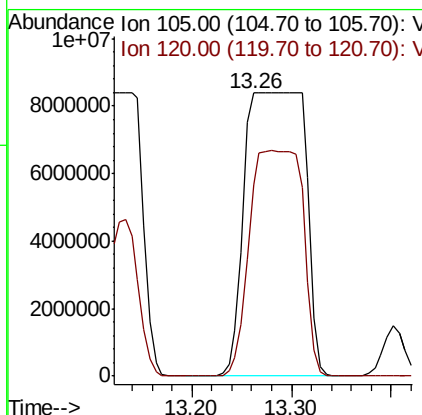
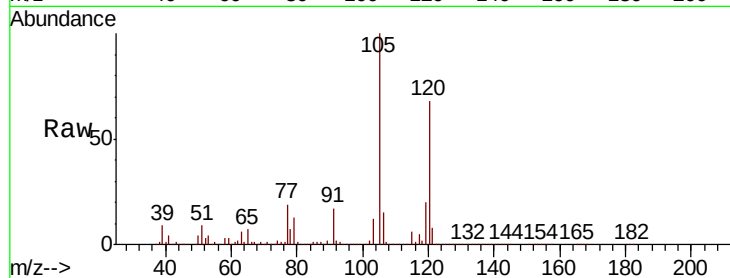
#84
 1,2,4-Trimethylbenzene
 Concen: 24690.833 ug/l m
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007752.D
 Acq: 20 Dec 2018 17:32

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB104-121218-(22-24)

Tgt Ion:105 Resp:35294232
 Ion Ratio Lower Upper
 105 100
 120 26.7 22.0 66.0

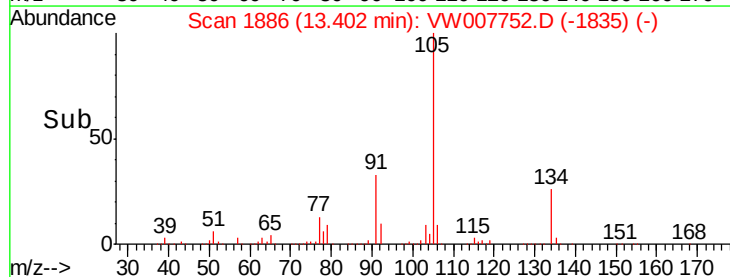
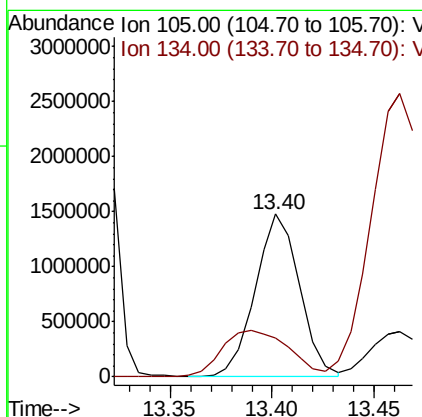
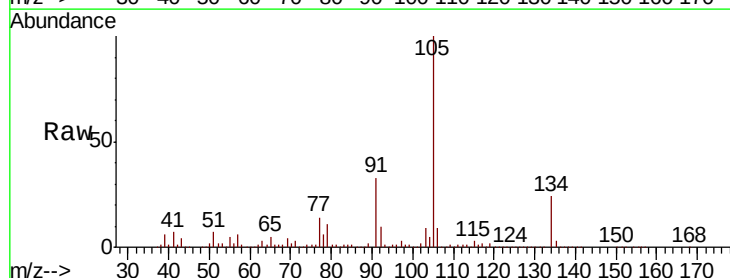
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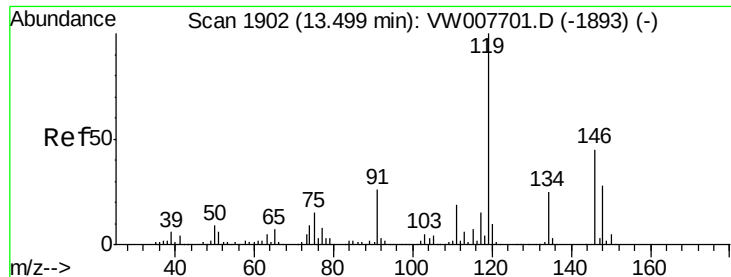
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#85
 sec-Butylbenzene
 Concen: 1288.009 ug/l
 RT: 13.40 min Scan# 1886
 Delta R.T. 0.01 min
 Lab File: VW007752.D
 Acq: 20 Dec 2018 17:32

Tgt Ion:105 Resp: 2206415
 Ion Ratio Lower Upper
 105 100
 134 44.3 10.2 30.4#





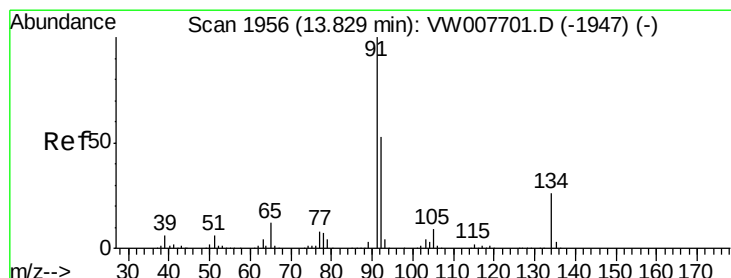
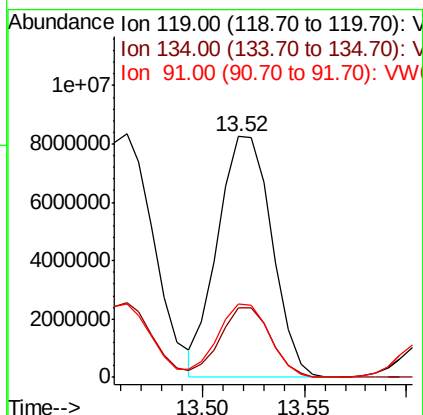
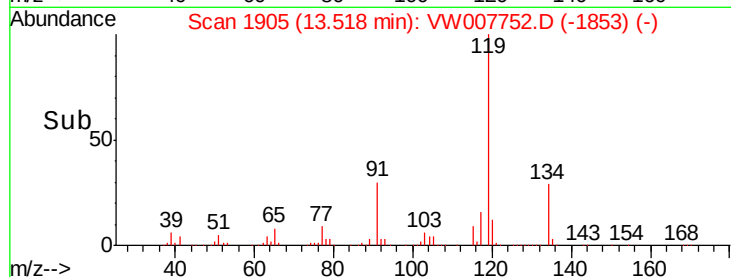
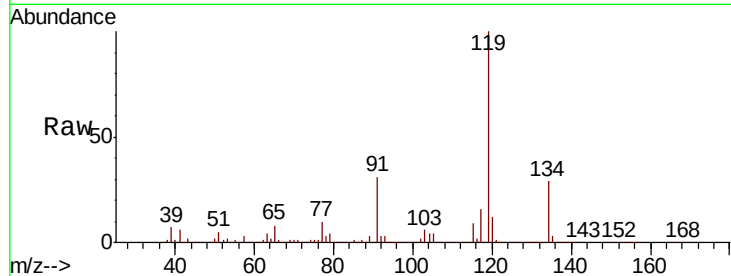
#86
p-Isopropyltoluene
Concen: 9788.087 ug/l
RT: 13.52 min Scan# 1905
Delta R.T. 0.02 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(22-24)

Tgt Ion: 119 Resp: 15246840
Ion Ratio Lower Upper
119 100
134 27.1 13.0 39.0
91 28.9 12.8 38.4

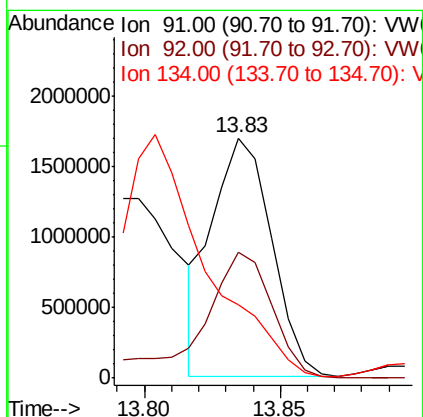
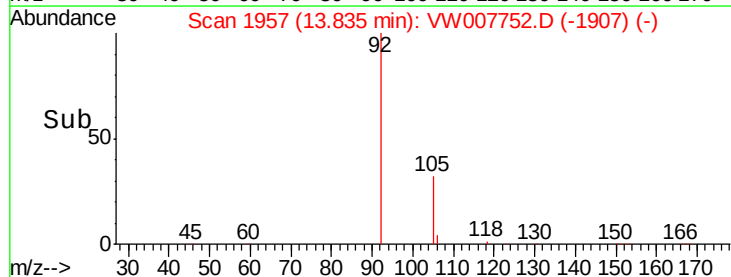
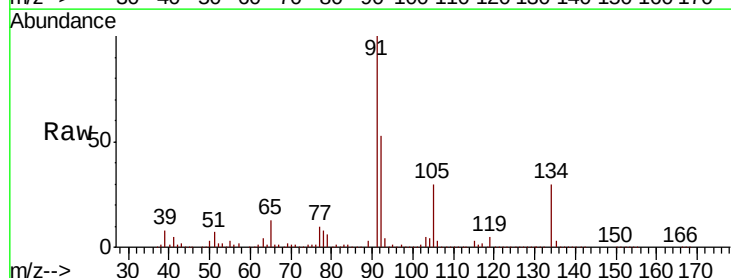
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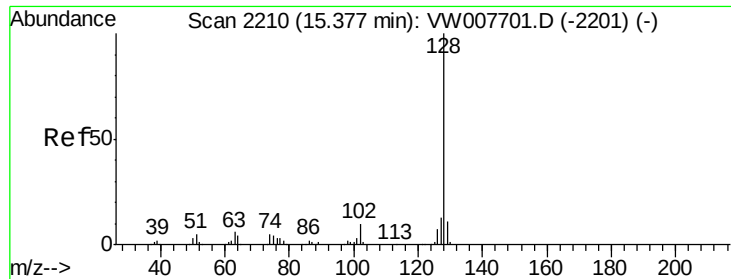
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#89
n-Butylbenzene
Concen: 1791.662 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Tgt Ion: 91 Resp: 2558873
Ion Ratio Lower Upper
91 100
92 55.9 26.4 79.2
134 0.0 13.7 41.0#





#95
Naphthalene
Concen: 1660.594 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007752.D
Acq: 20 Dec 2018 17:32

Instrument :
MSVOA_W
ClientSampleId :
KY001SB104-121218-(22-24)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.0	8.8	13.2

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