

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007832.D
 Acq On : 22 Dec 2018 10:07
 Operator : SY/AP
 Sample : J6426-13
 Misc : 6.53G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3642-01

Manual Integrations
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MMDadoda
 12/26/2018 11:00:57 AM

Quant Time: Dec 25 01:28:34 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	7.95	168	66731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	72764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	19828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	31753	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	7.88	113	28288	41.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.02%	
50) Toluene-d8	10.32	98	89470	34.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.64%	
62) 4-Bromofluorobenzene	12.62	95	22412	22.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.16%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	8798	64.237	ug/l #	83
25) 2-Butanone	7.17	43	5244	32.689	ug/l #	85
31) Cyclohexane	7.95	56	29805	27.375	ug/l	96
39) Methylcyclohexane	9.34	83	75650	56.462	ug/l	98
40) Benzene	8.32	78	11876	4.127	ug/l	91
52) Toluene	10.39	92	40397	20.926	ug/l	100
65) Chlorobenzene	11.66	112	1355774	860.851	ug/l	98
67) Ethyl Benzene	11.73	91	41595	15.391	ug/l	99
68) m/p-Xylenes	11.83	106	627369	598.427	ug/l	97
69) o-Xylene	12.17	106	21123	21.495	ug/l	100
73) Isopropylbenzene	12.47	105	344536	229.878	ug/l	99
78) n-propylbenzene	12.81	91	514241	294.750	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	77297	59.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2181222	1672.063	ug/l	100
85) sec-Butylbenzene	13.39	105	36406m	23.288	ug/l	
86) p-Isopropyltoluene	13.51	119	73979	52.041	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	62437	91.553	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1259555	1846.376	ug/l	100
89) n-Butylbenzene	13.83	91	36480	27.989	ug/l #	74
95) Naphthalene	15.37	128	426206	543.891	ug/l	100

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

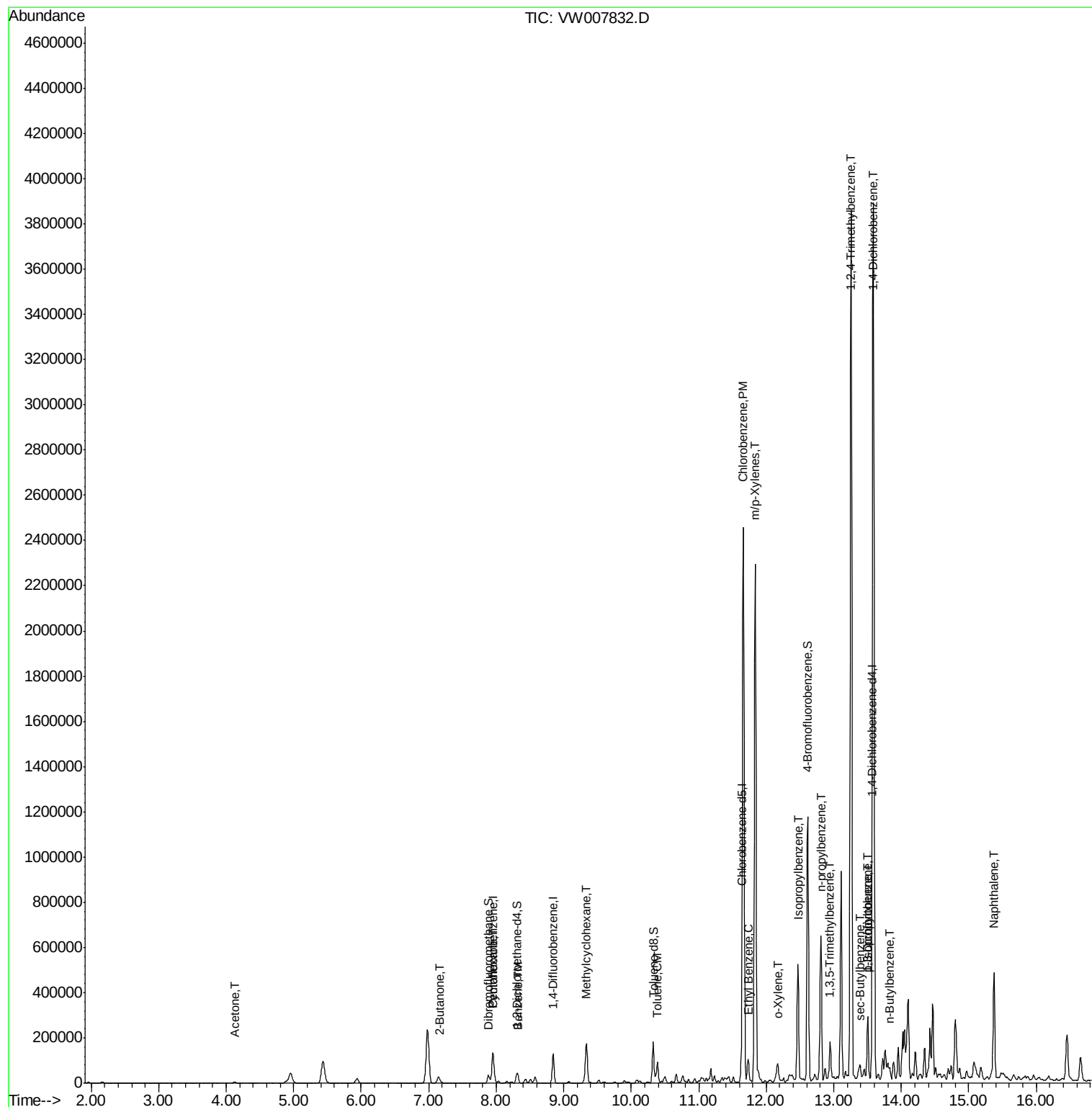
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007832.D
Acq On : 22 Dec 2018 10:07
Operator : SY/AP
Sample : J6426-13
Misc : 6.53G/5ML/MSVOA W/SOIL
ALS Vial : 43 Sample Multiplier: 1

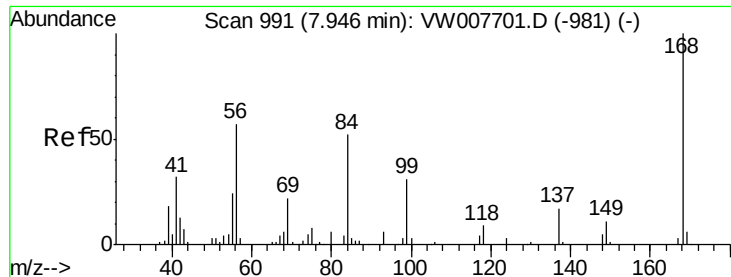
Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3642-01

Manual Integrations
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12/26/2018 11:00:57 AM

Quant Time: Dec 25 01:28:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
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: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion:168 Resp: 66731

Ion Ratio Lower Upper

168 100

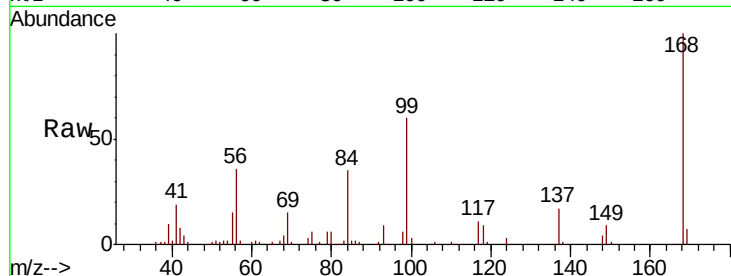
99 60.4 54.0 81.0

Manual Integrations

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12/26/2018 11:00:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

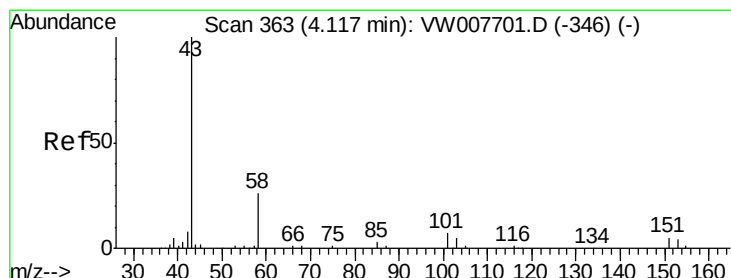
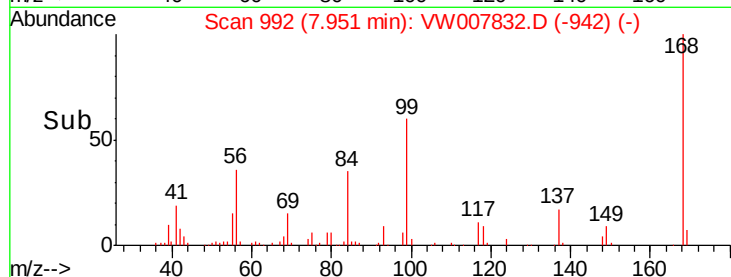
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#16

Acetone

Concen: 64.237 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007832.D

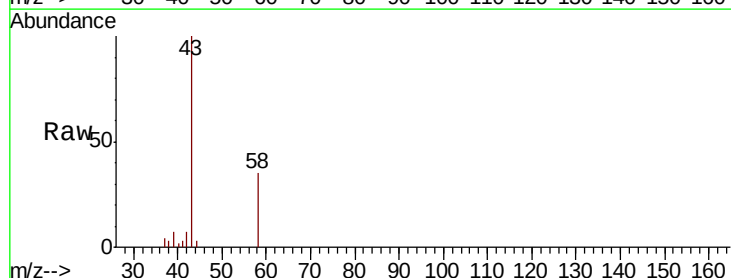
Acq: 22 Dec 2018 10:07

Tgt Ion: 43 Resp: 8798

Ion Ratio Lower Upper

43 100

58 35.3 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

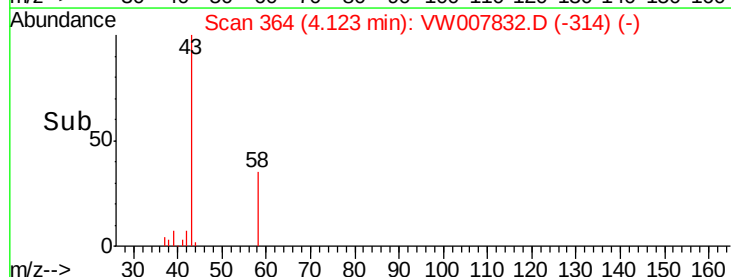
2000

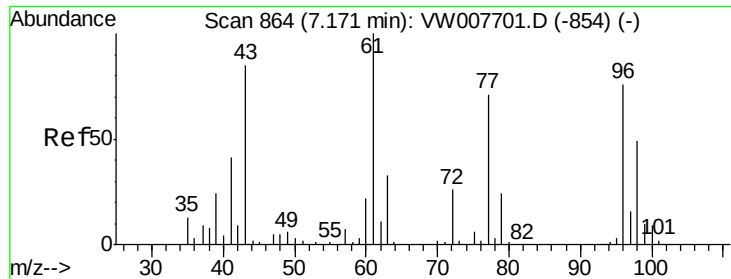
1000

0

4.00 4.10 4.20

Time-->





#25

2-Butanone

Concen: 32.689 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion: 43 Resp: 5244

Ion Ratio Lower Upper

43 100

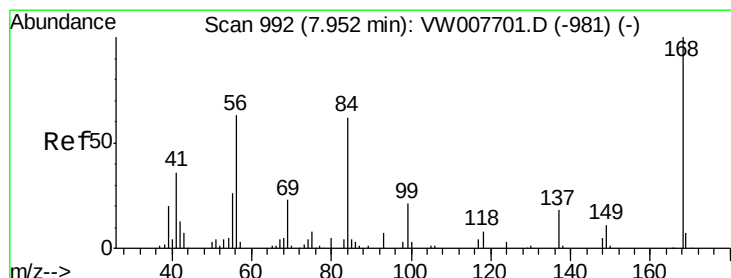
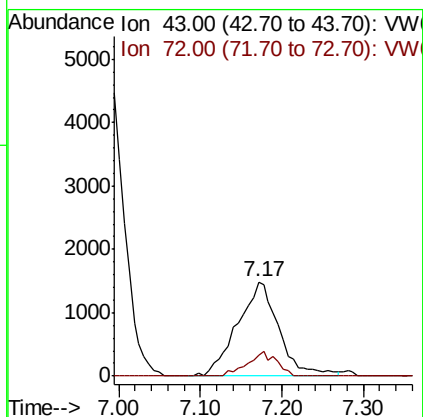
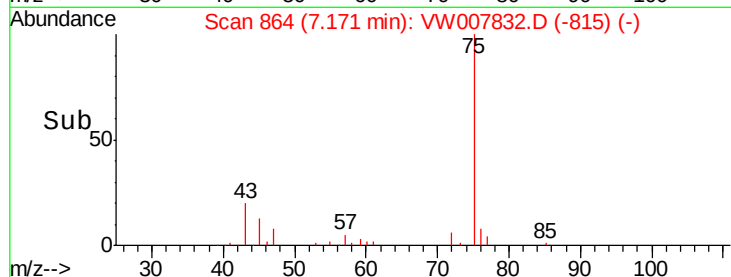
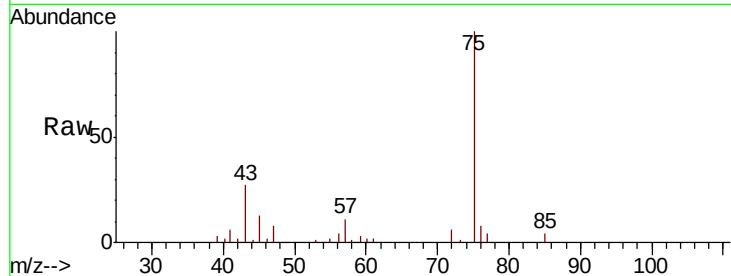
72 22.5 24.5 36.7#

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#31

Cyclohexane

Concen: 27.375 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

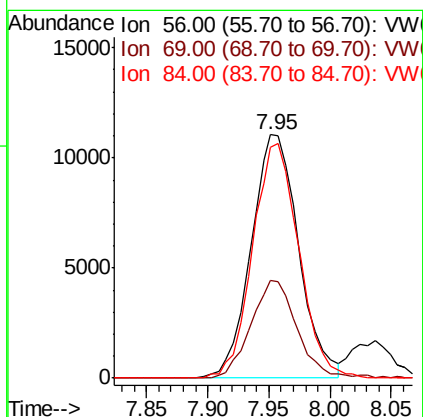
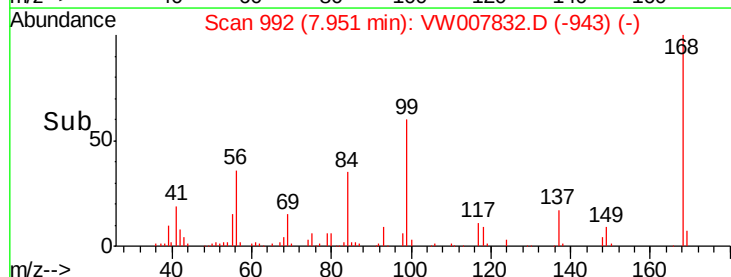
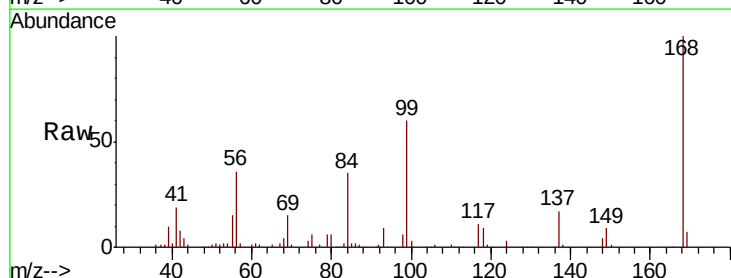
Tgt Ion: 56 Resp: 29805

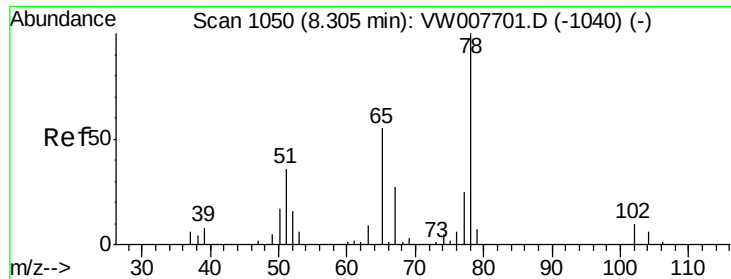
Ion Ratio Lower Upper

56 100

69 40.2 29.7 44.5

84 94.9 78.9 118.3





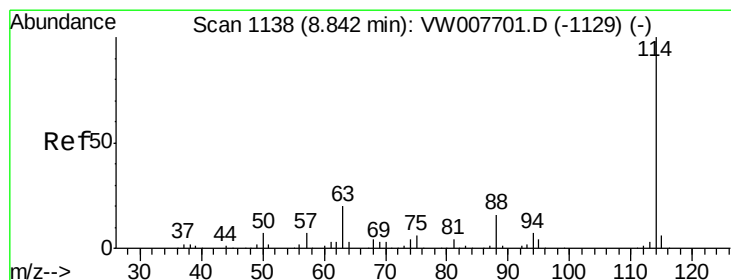
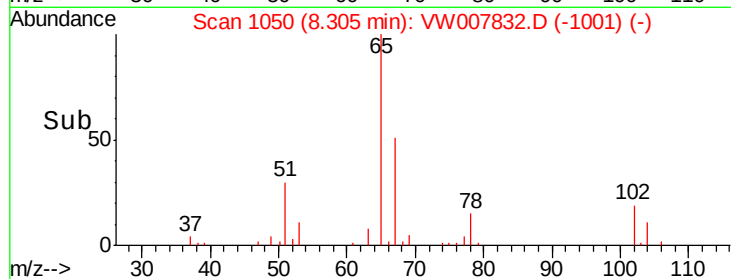
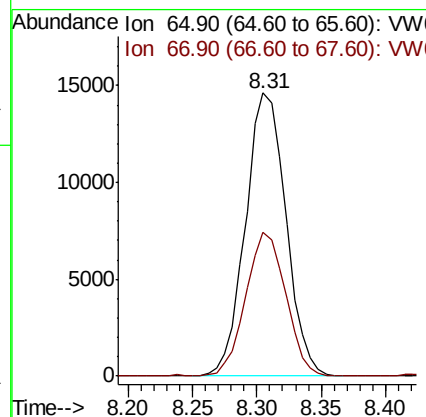
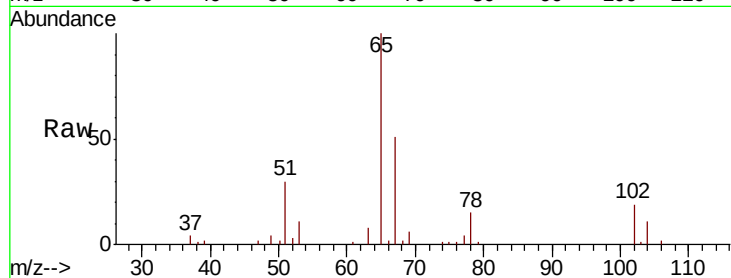
#33
 1,2-Dichloroethane-d4
 Concen: 43.414 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3642-01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	31753		
67	50.2	0.0	100.6	

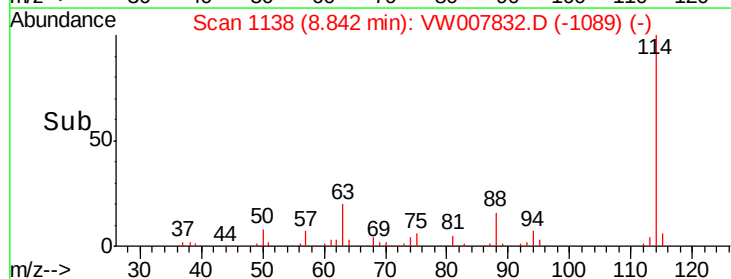
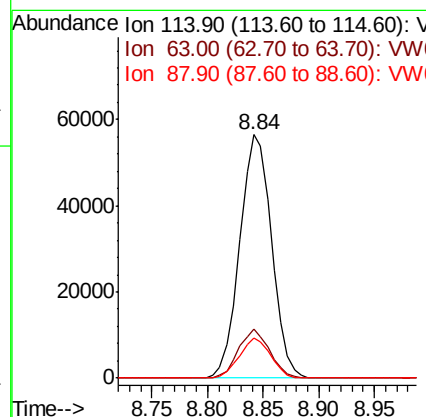
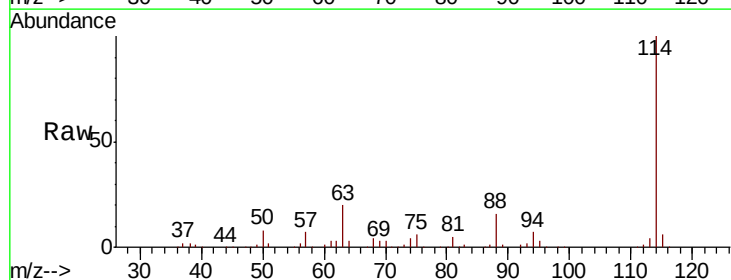
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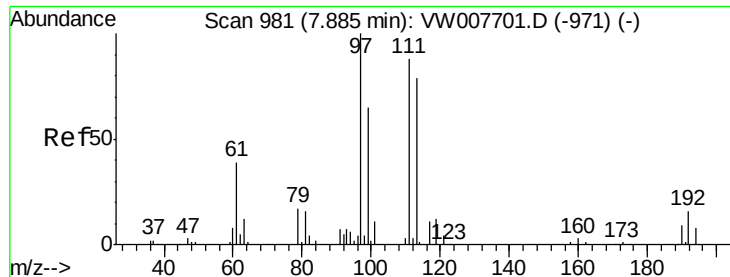
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 12/26/2018 11:00:57 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	111715		
63	20.1	0.0	40.0	
88	16.3	0.0	32.6	





#35

Dibromofluoromethane

Concen: 41.507 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion:113 Resp: 28288

Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

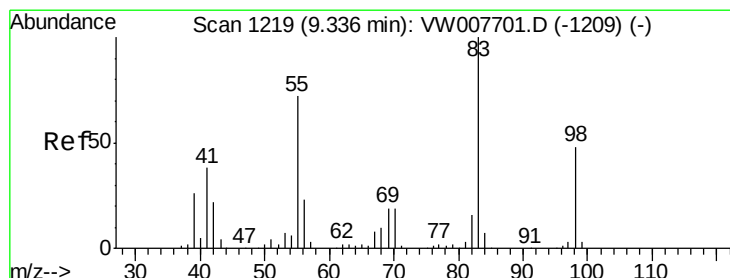
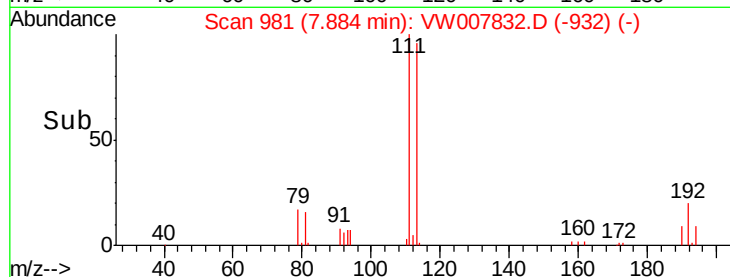
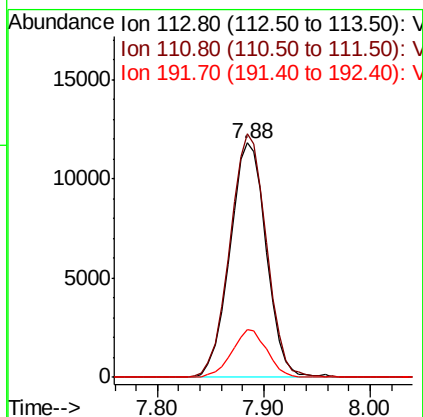
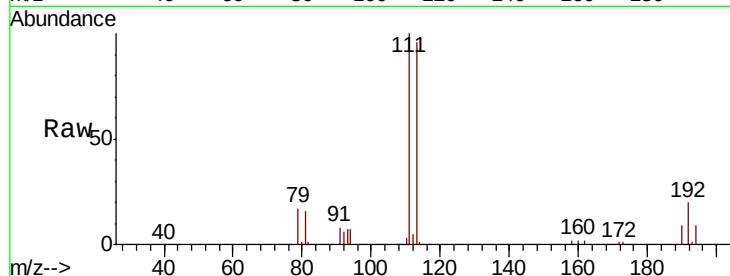
192 19.4 15.5 23.3

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#39

Methylcyclohexane

Concen: 56.462 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

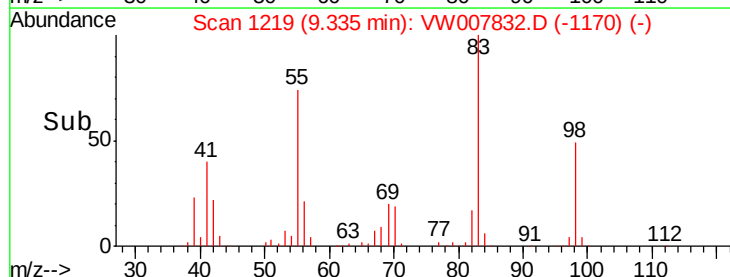
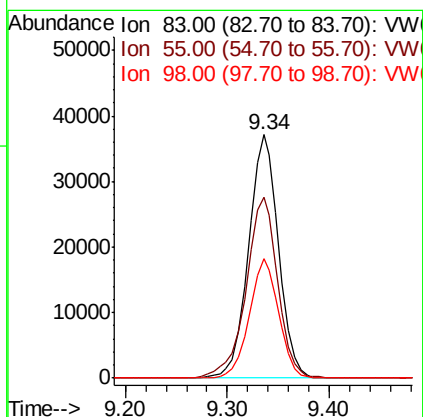
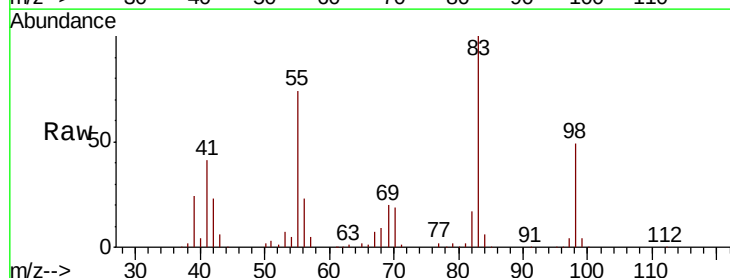
Tgt Ion: 83 Resp: 75650

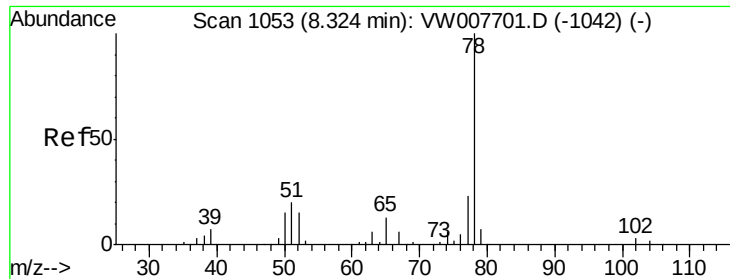
Ion Ratio Lower Upper

83 100

55 74.1 57.2 85.8

98 48.9 38.6 58.0





#40

Benzene

Concen: 4.127 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion: 78 Resp: 11876

Ion Ratio Lower Upper

78 100

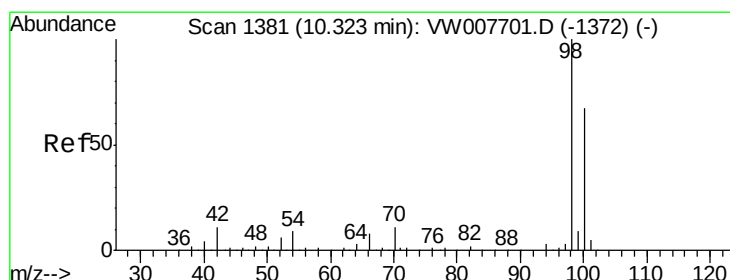
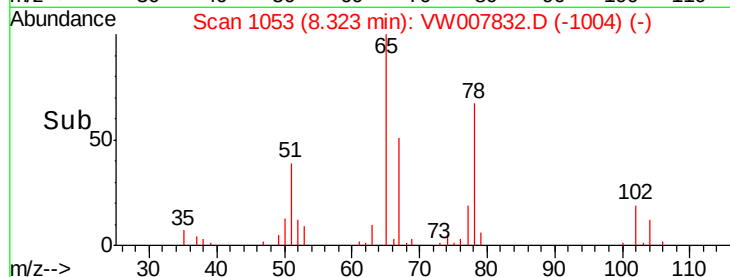
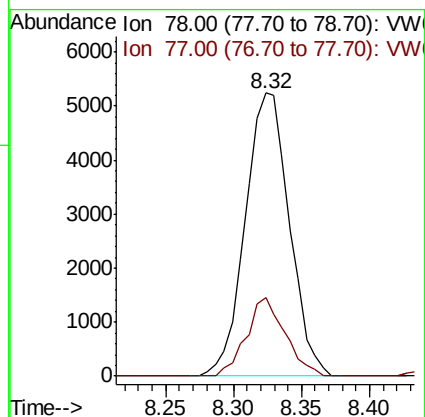
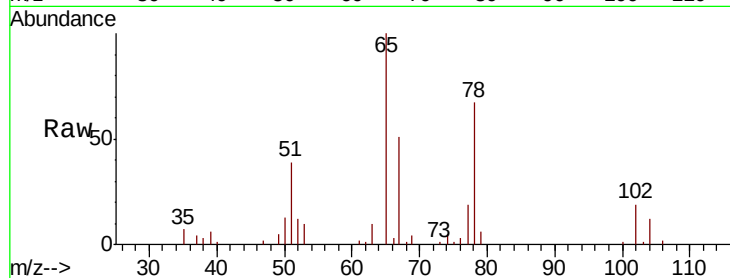
77 28.0 18.7 28.1

Manual Integrations

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#50

Toluene-d8

Concen: 34.824 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007832.D

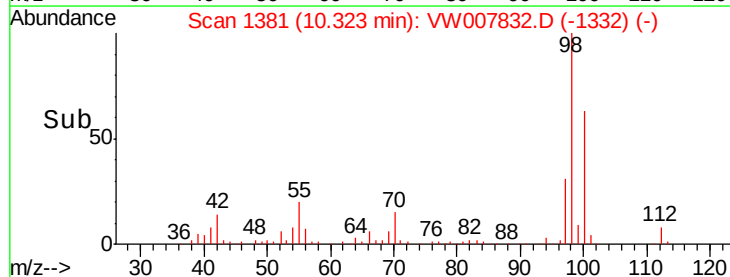
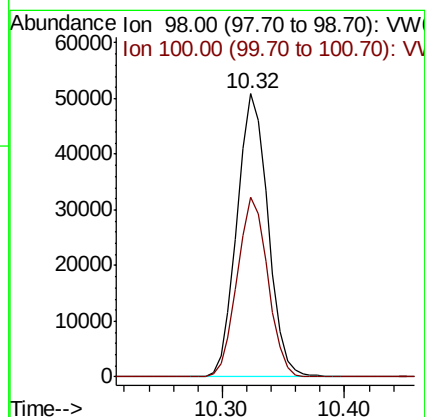
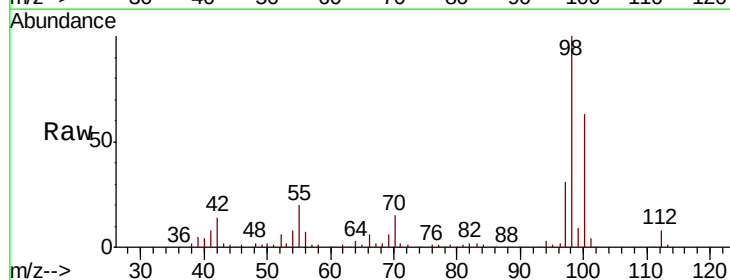
Acq: 22 Dec 2018 10:07

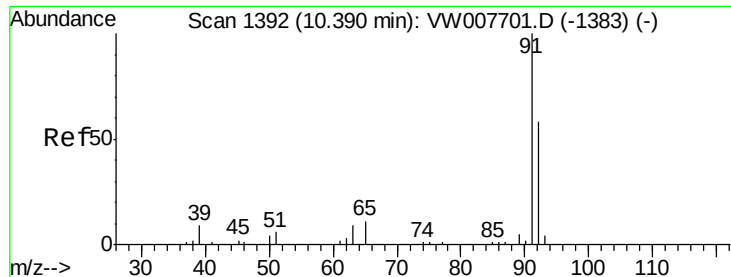
Tgt Ion: 98 Resp: 89470

Ion Ratio Lower Upper

98 100

100 62.4 52.2 78.2





#52

Toluene

Concen: 20.926 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion: 92 Resp: 40397

Ion Ratio Lower Upper

92 100

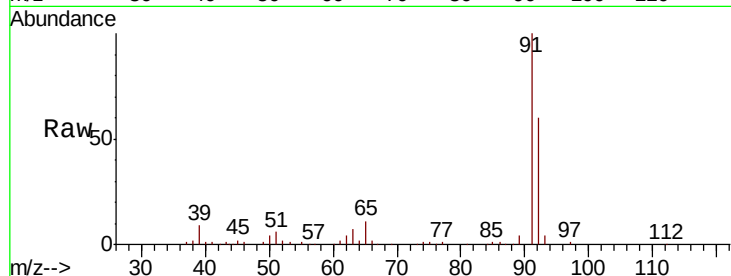
91 171.5 137.0 205.4

Manual Integrations

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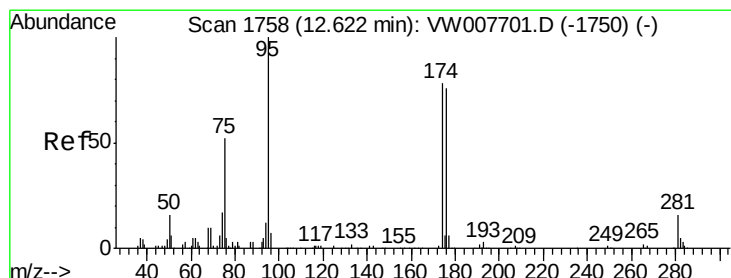
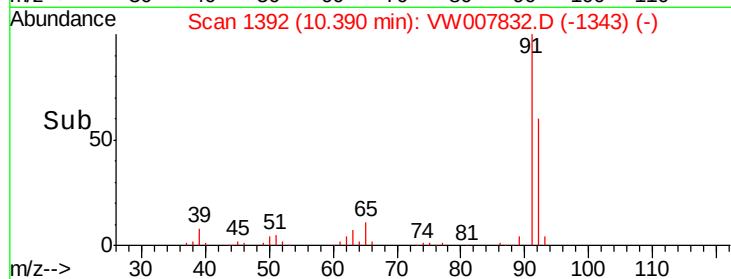
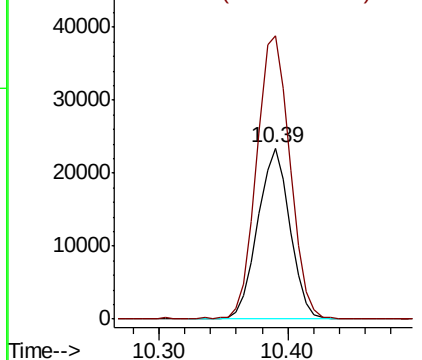
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Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#62

4-Bromofluorobenzene

Concen: 22.580 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

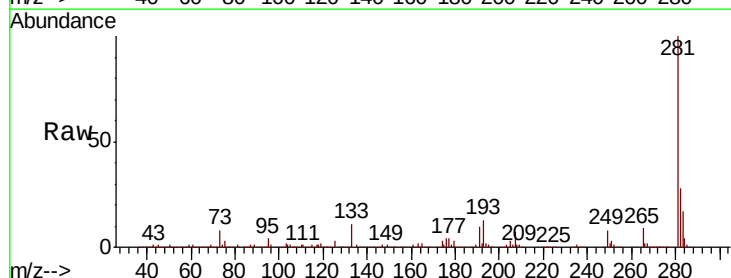
Tgt Ion: 95 Resp: 22412

Ion Ratio Lower Upper

95 100

174 73.7 0.0 152.2

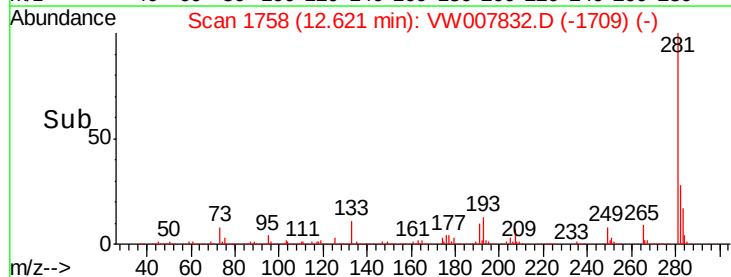
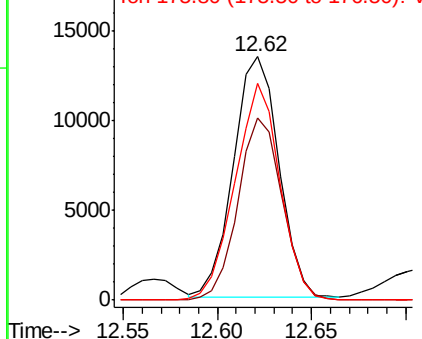
176 89.1 0.0 146.8

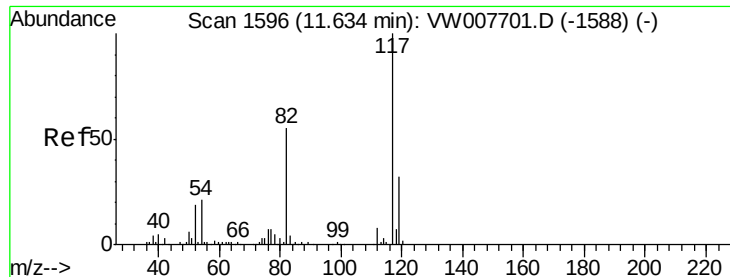


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





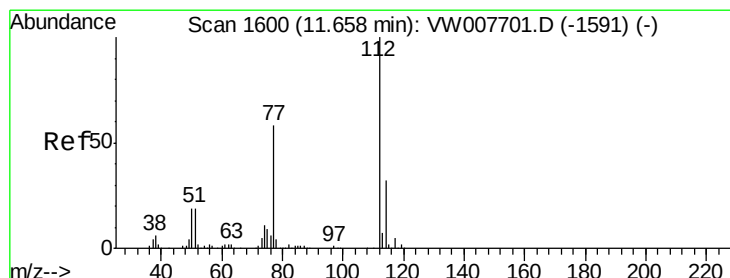
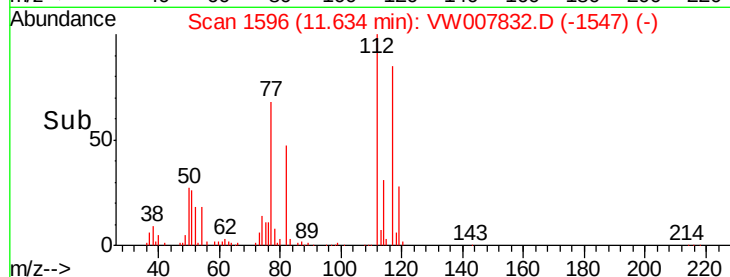
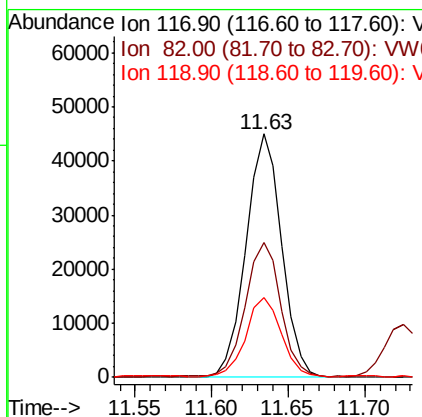
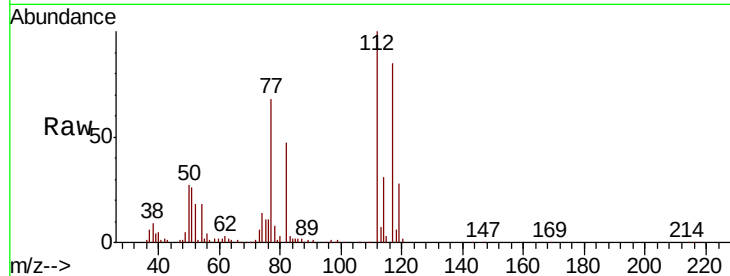
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3642-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.3	66.5
119	32.4	25.7	38.5

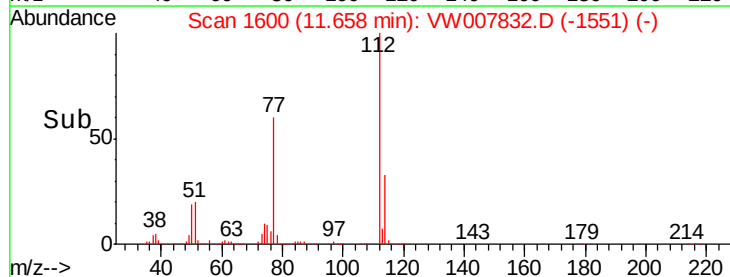
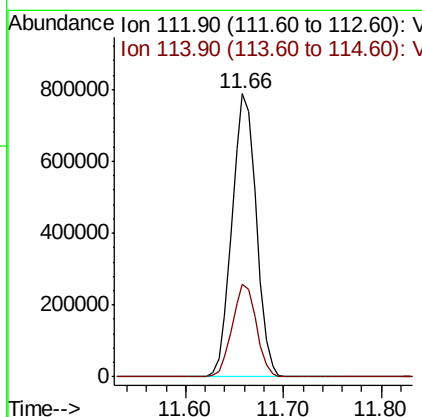
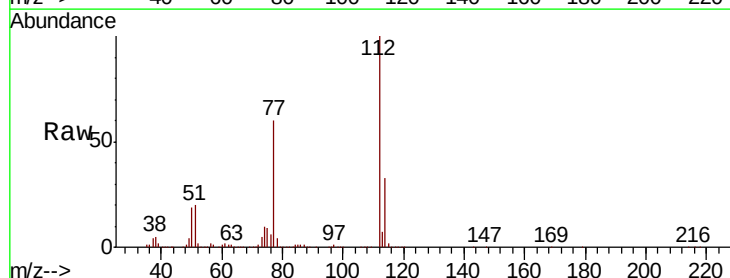
Manual Integrations
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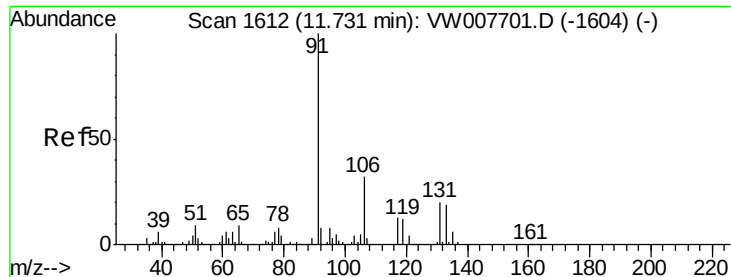
MMDadoda
12/26/2018 11:00:57 AM



#65
Chlorobenzene
Concen: 860.851 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.2	37.8





#67

Ethyl Benzene

Concen: 15.391 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion: 91 Resp: 41595

Ion Ratio Lower Upper

91 100

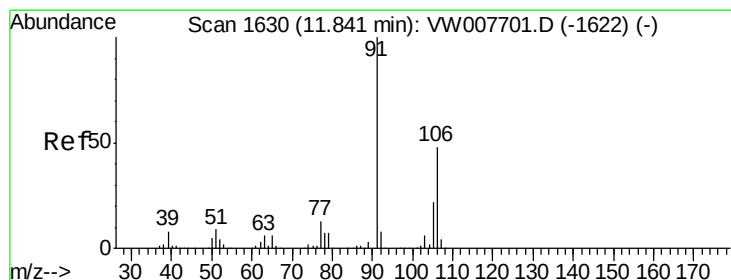
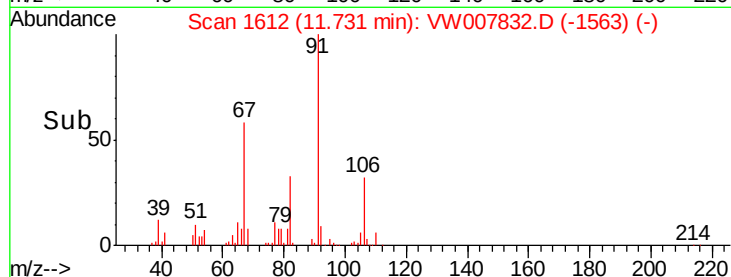
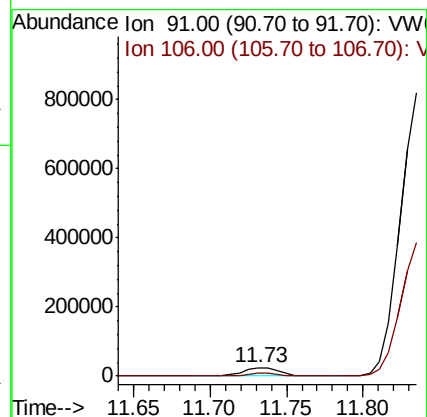
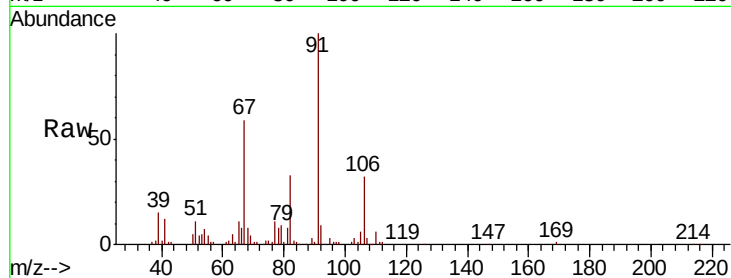
106 31.8 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 598.427 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW007832.D

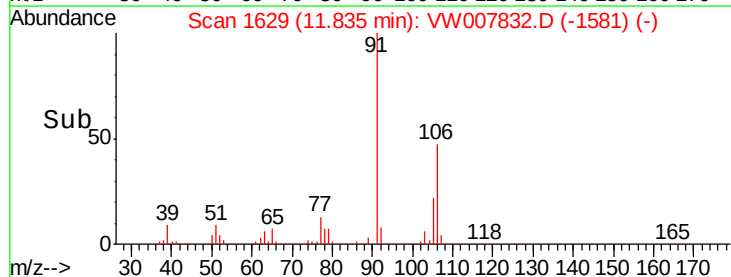
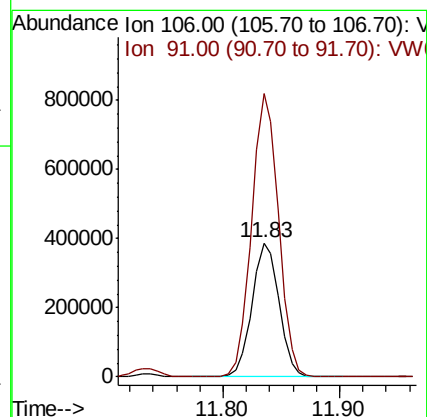
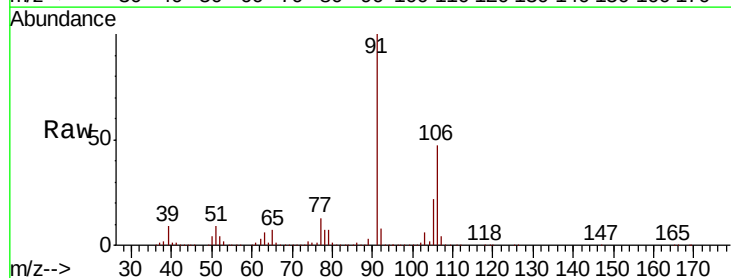
Acq: 22 Dec 2018 10:07

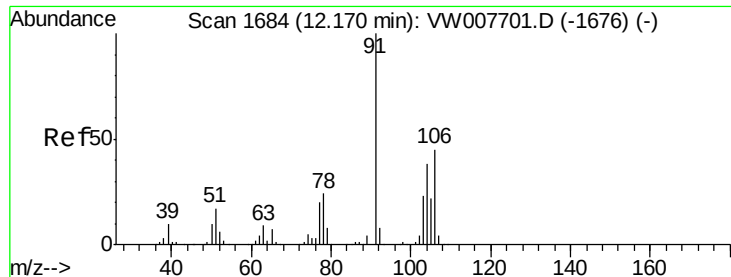
Tgt Ion: 106 Resp: 627369

Ion Ratio Lower Upper

106 100

91 210.4 165.2 247.8





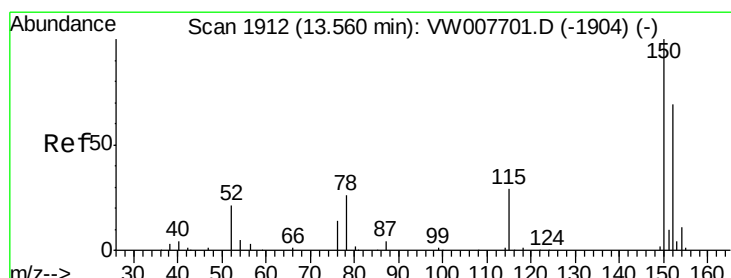
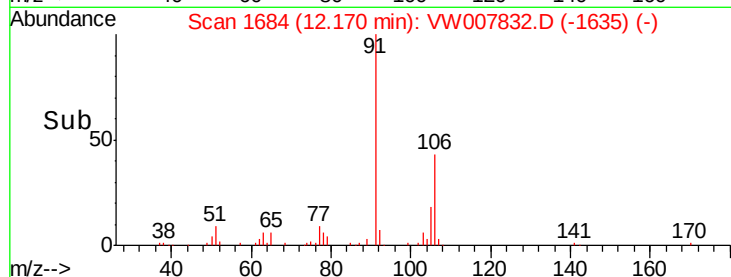
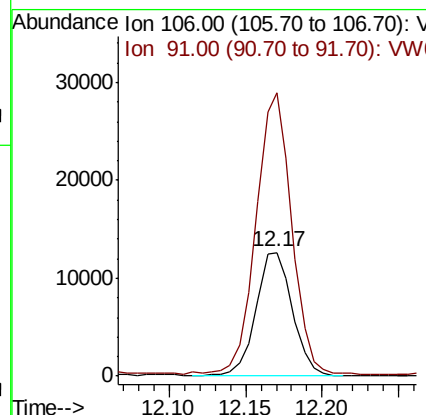
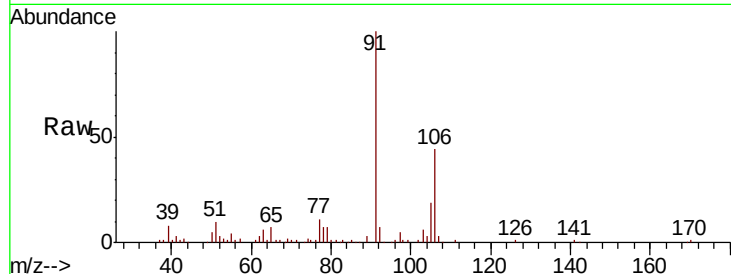
#69
o-Xylene
Concen: 21.495 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3642-01

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.7	110.5	331.4

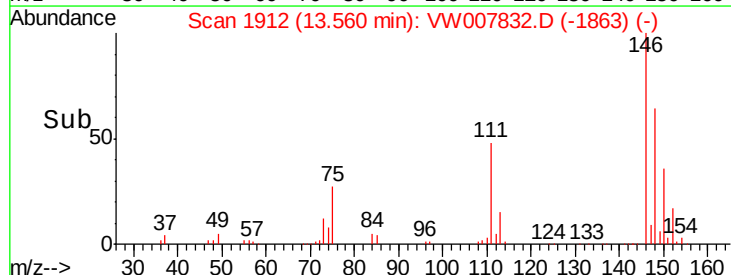
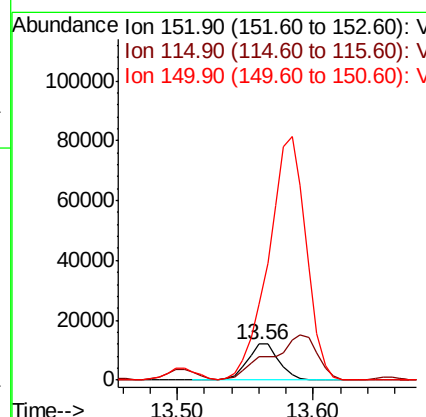
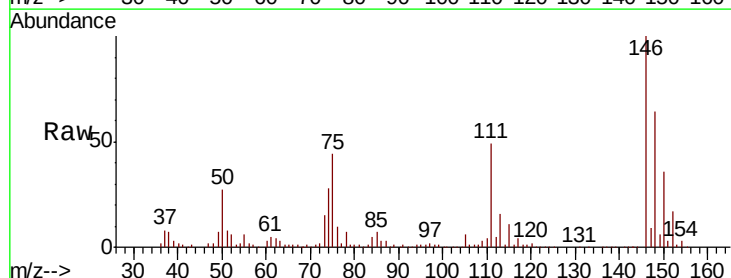
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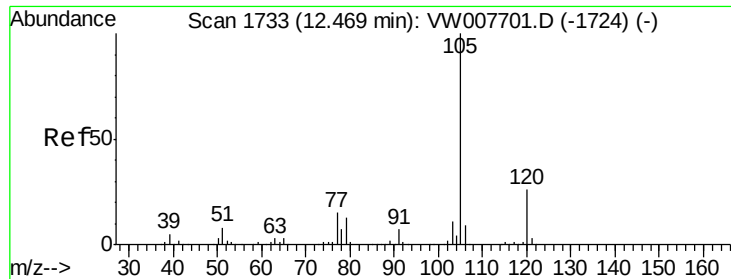
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	0.0	31.8	95.4#
150	0.0	0.0	350.8





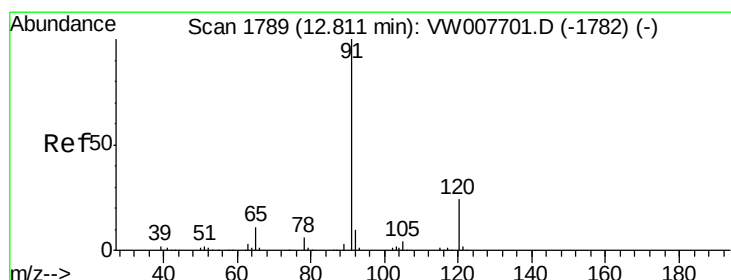
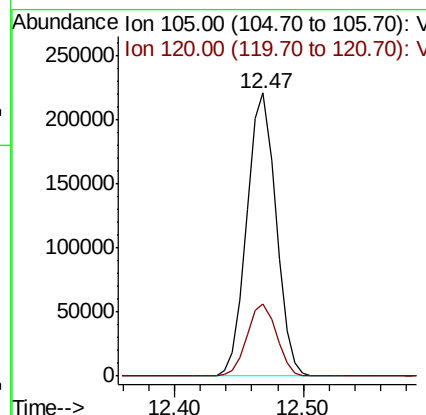
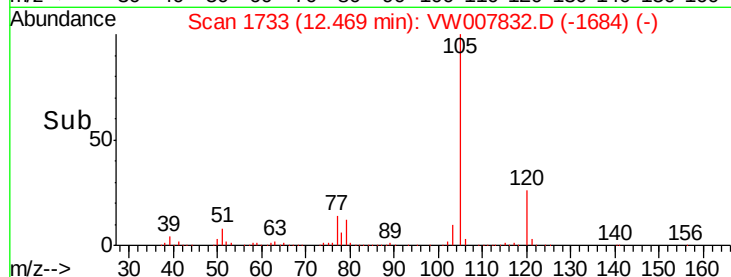
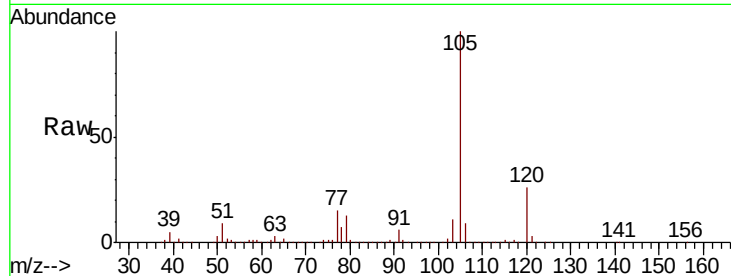
#73
Isopropylbenzene
Concen: 229.878 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3642-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.3

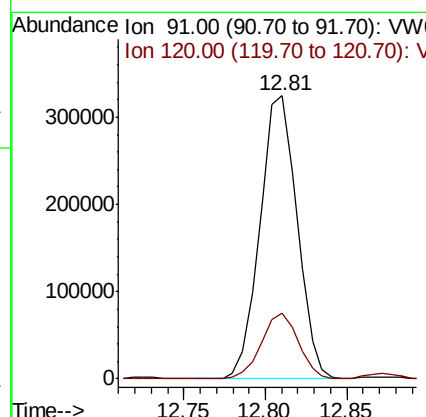
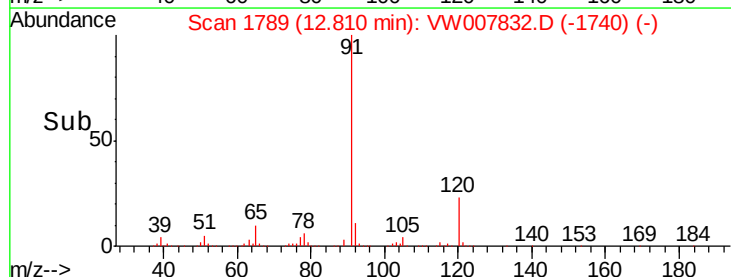
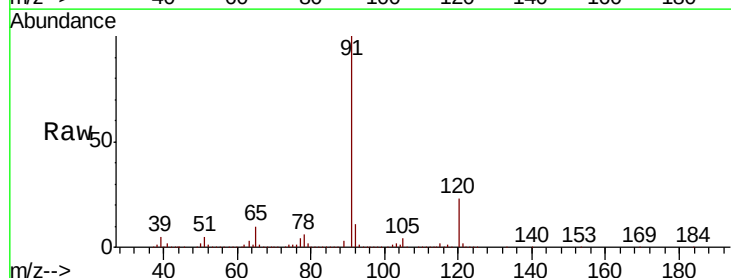
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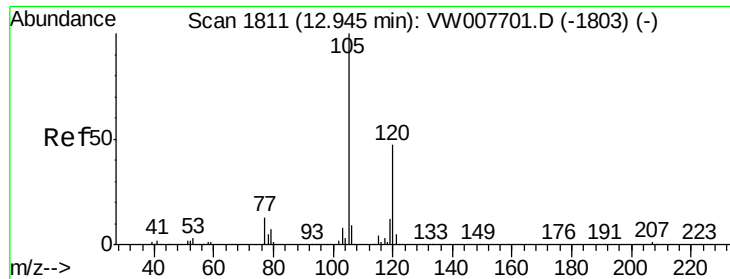
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#78
n-propylbenzene
Concen: 294.750 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.7





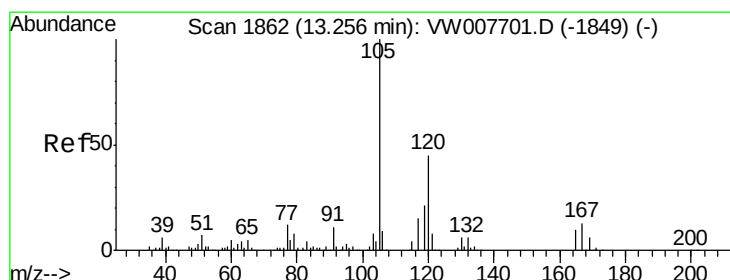
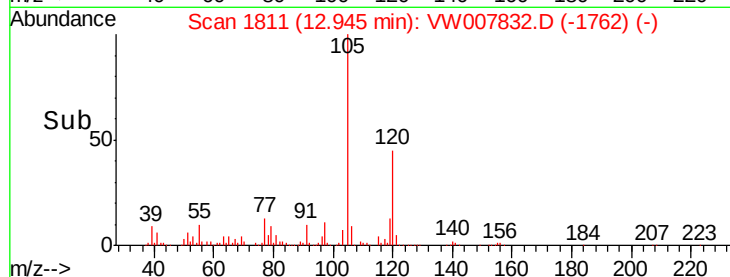
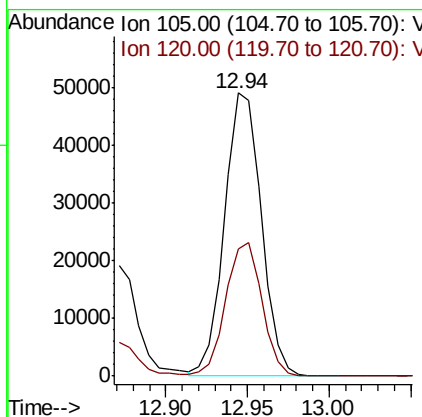
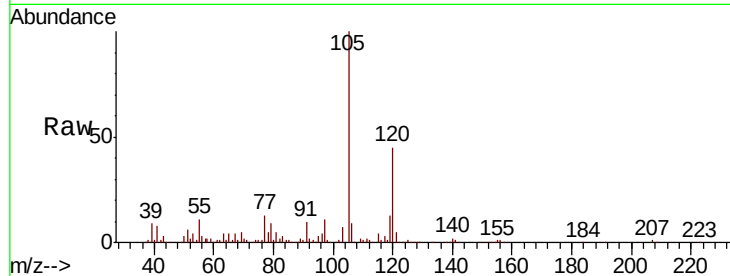
#80
 1,3,5-Trimethylbenzene
 Concen: 59.790 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3642-01

Tot Ion:105 Resp: 77297
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.6 70.8

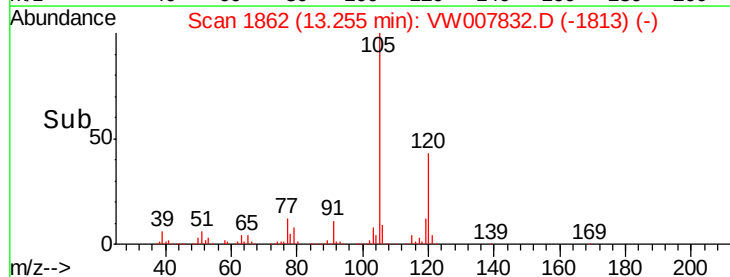
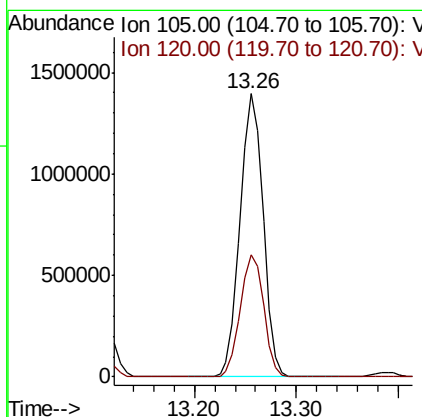
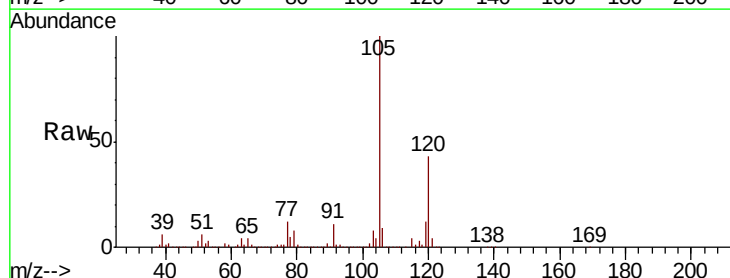
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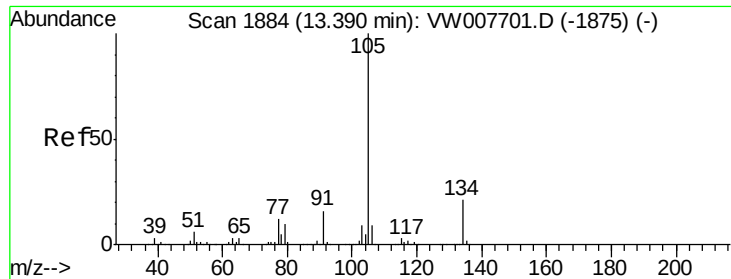
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#84
 1,2,4-Trimethylbenzene
 Concen: 1672.063 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Tgt Ion:105 Resp: 2181222
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 23.288 ug/l m

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

Instrument :

MSVOA_W

ClientSampleId :

P001-SS013B-3642-01

Tot Ion:105 Resp: 36406

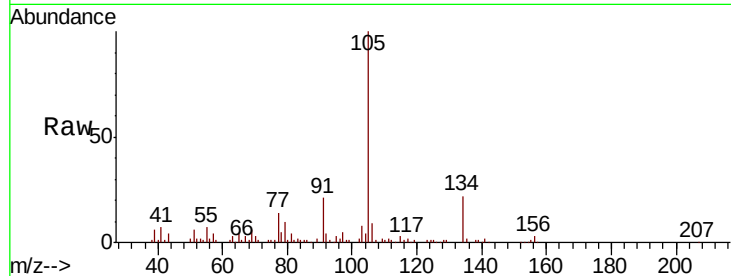
Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.4#

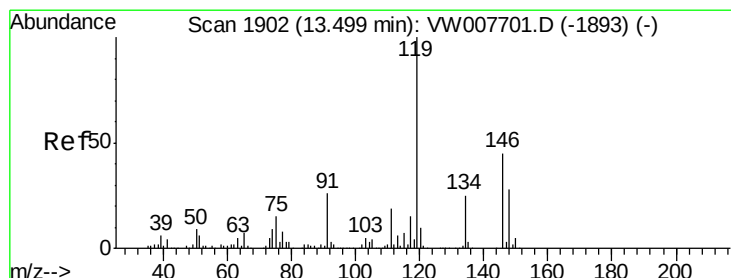
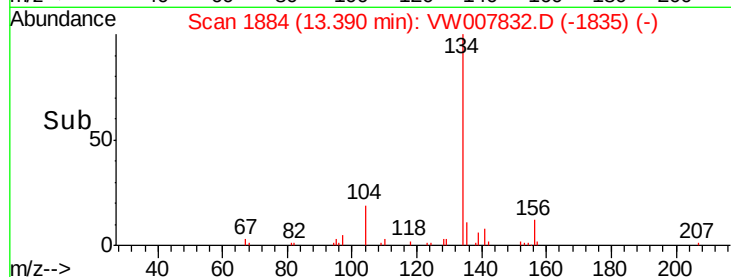
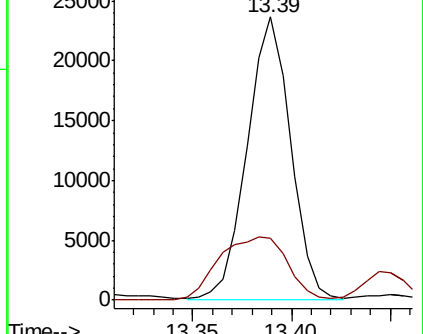
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.041 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007832.D

Acq: 22 Dec 2018 10:07

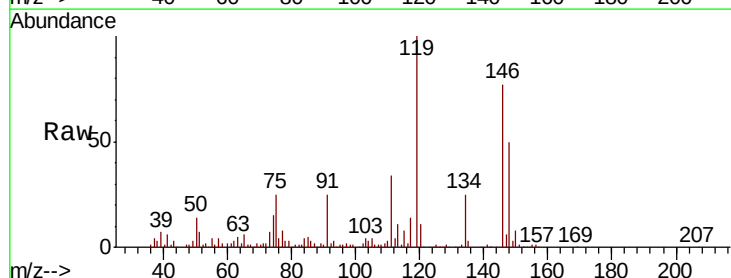
Tgt Ion:119 Resp: 73979

Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

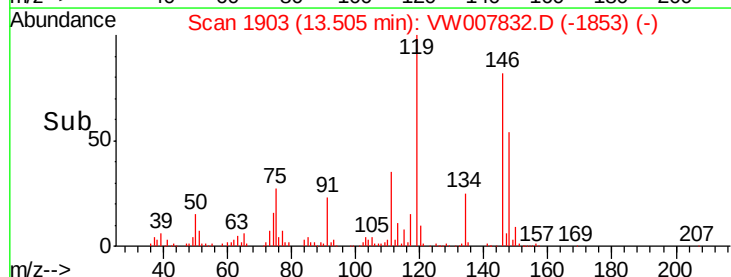
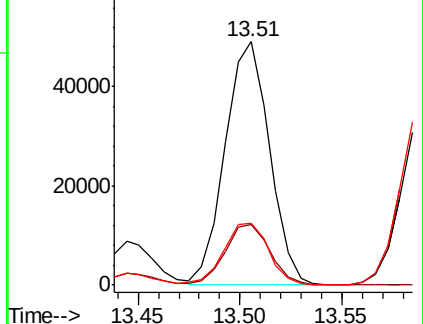
91 25.1 12.8 38.4

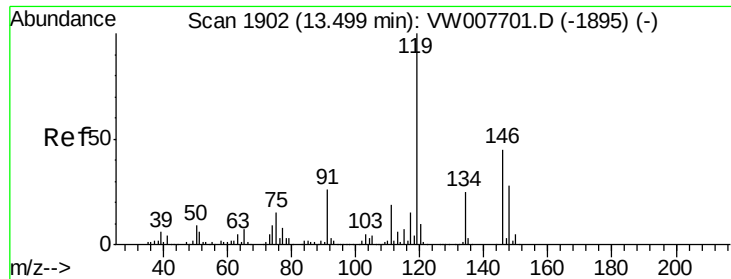


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





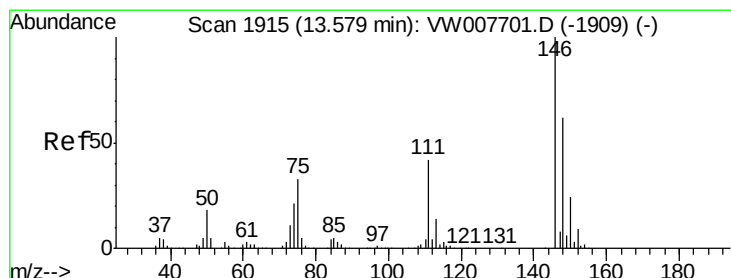
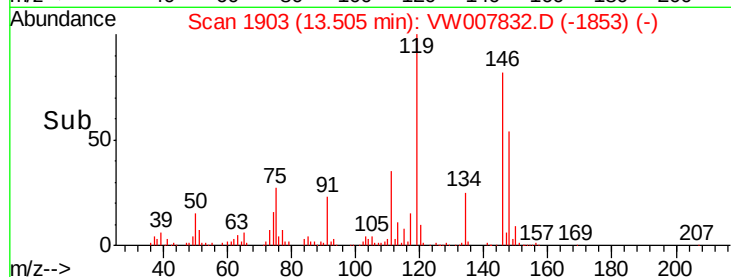
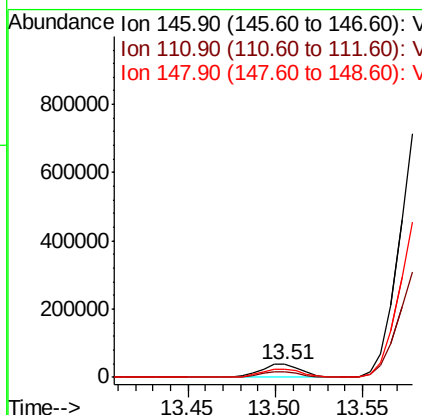
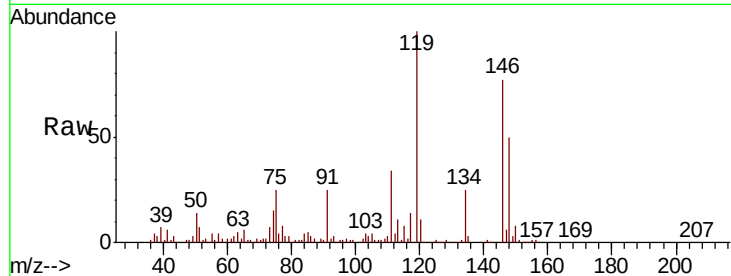
#87
 1,3-Dichlorobenzene
 Concen: 91.553 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS013B-3642-01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.4
148	64.4	32.1	96.5

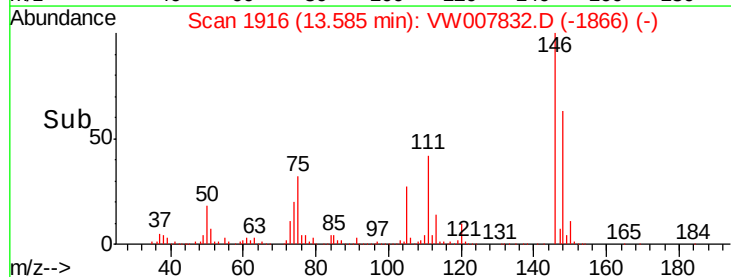
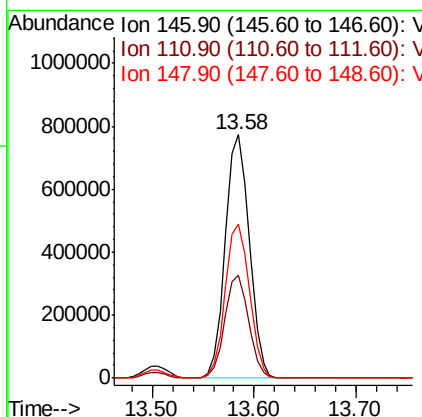
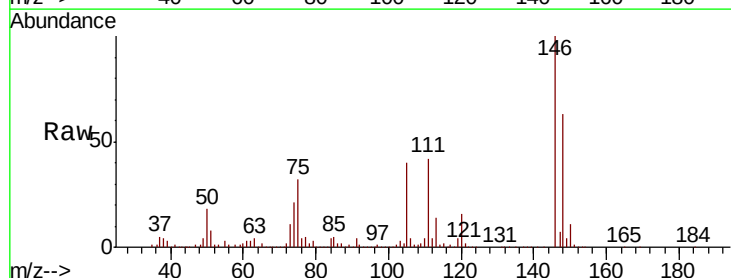
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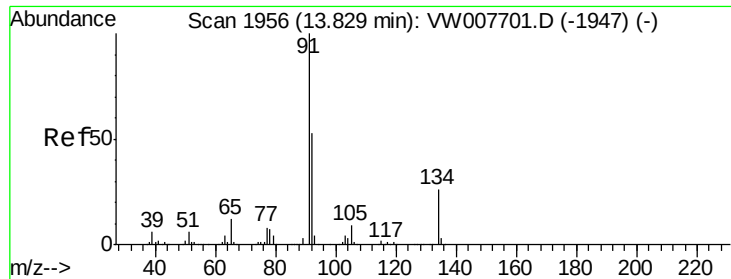
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#88
 1,4-Dichlorobenzene
 Concen: 1846.376 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007832.D
 Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.9	31.8	95.4





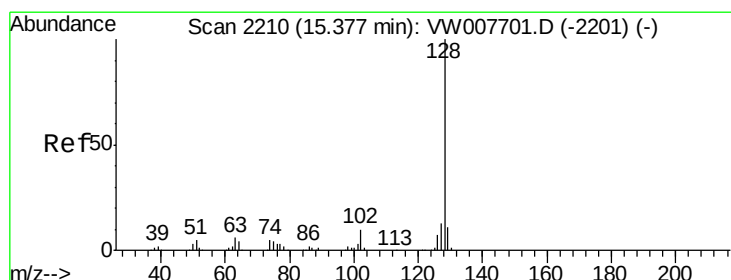
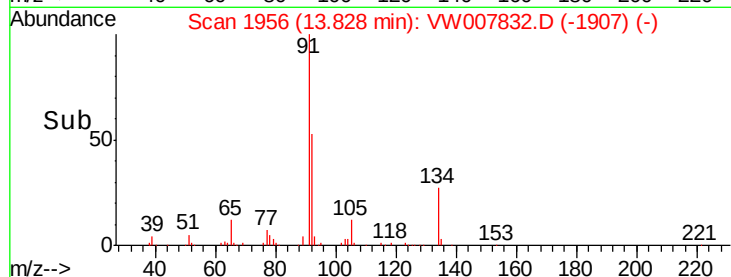
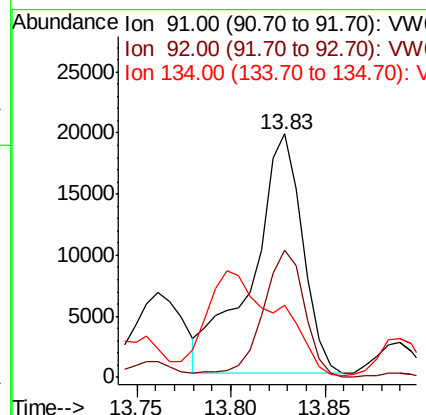
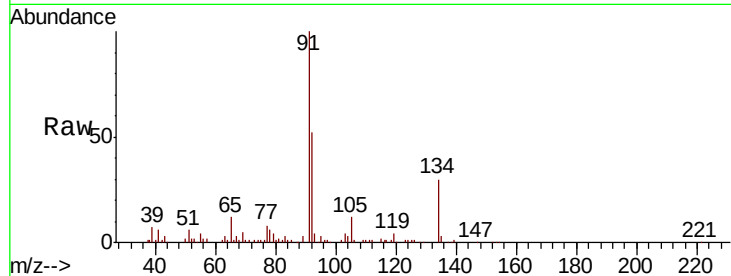
#89
n-Butylbenzene
Concen: 27.989 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Instrument :
MSVOA_W
ClientSampleId :
P001-SS013B-3642-01

Tot Ion	Ratio	Lower	Upper
91	100		
92	44.0	26.4	79.2
134	0.0	13.7	41.0#

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#95
Naphthalene
Concen: 543.891 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007832.D
Acq: 22 Dec 2018 10:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	11.2	8.8	13.2

