

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008603.D
 Acq On : 11 Feb 2019 17:49
 Operator : SY/VA
 Sample : K1458-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:43:11 PM

Quant Time: Feb 12 05:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	430682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	702856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	601945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	353881	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	247251	58.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.88%	
35) Dibromofluoromethane	7.88	113	223588	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
50) Toluene-d8	10.32	98	895166	54.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.64%	
62) 4-Bromofluorobenzene	12.62	95	428567	67.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.30%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	44383	46.712	ug/l	95
20) Methylene Chloride	4.90	84	32054	7.319	ug/l	87
25) 2-Butanone	7.17	43	20835	15.787	ug/l	93
31) Cyclohexane	7.95	56	33258	4.005	ug/l #	77
39) Methylcyclohexane	9.34	83	310593	35.611	ug/l	99
67) Ethyl Benzene	11.73	91	139375	6.171	ug/l	97
68) m/p-Xylenes	11.84	106	52632	6.006	ug/l	80
69) o-Xylene	12.16	106	89136	10.705	ug/l	81
73) Isopropylbenzene	12.46	105	142672	5.408	ug/l	99
78) n-propylbenzene	12.80	91	219549	6.929	ug/l	92
80) 1,3,5-Trimethylbenzene	12.94	105	1153529	52.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	686309	30.620	ug/l	100
85) sec-Butylbenzene	13.38	105	298388	10.647	ug/l	84
86) p-Isopropyltoluene	13.50	119	400252	16.305	ug/l	99
89) n-Butylbenzene	13.82	91	142311m	5.904	ug/l	
95) Naphthalene	15.37	128	362534	28.102	ug/l #	92

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

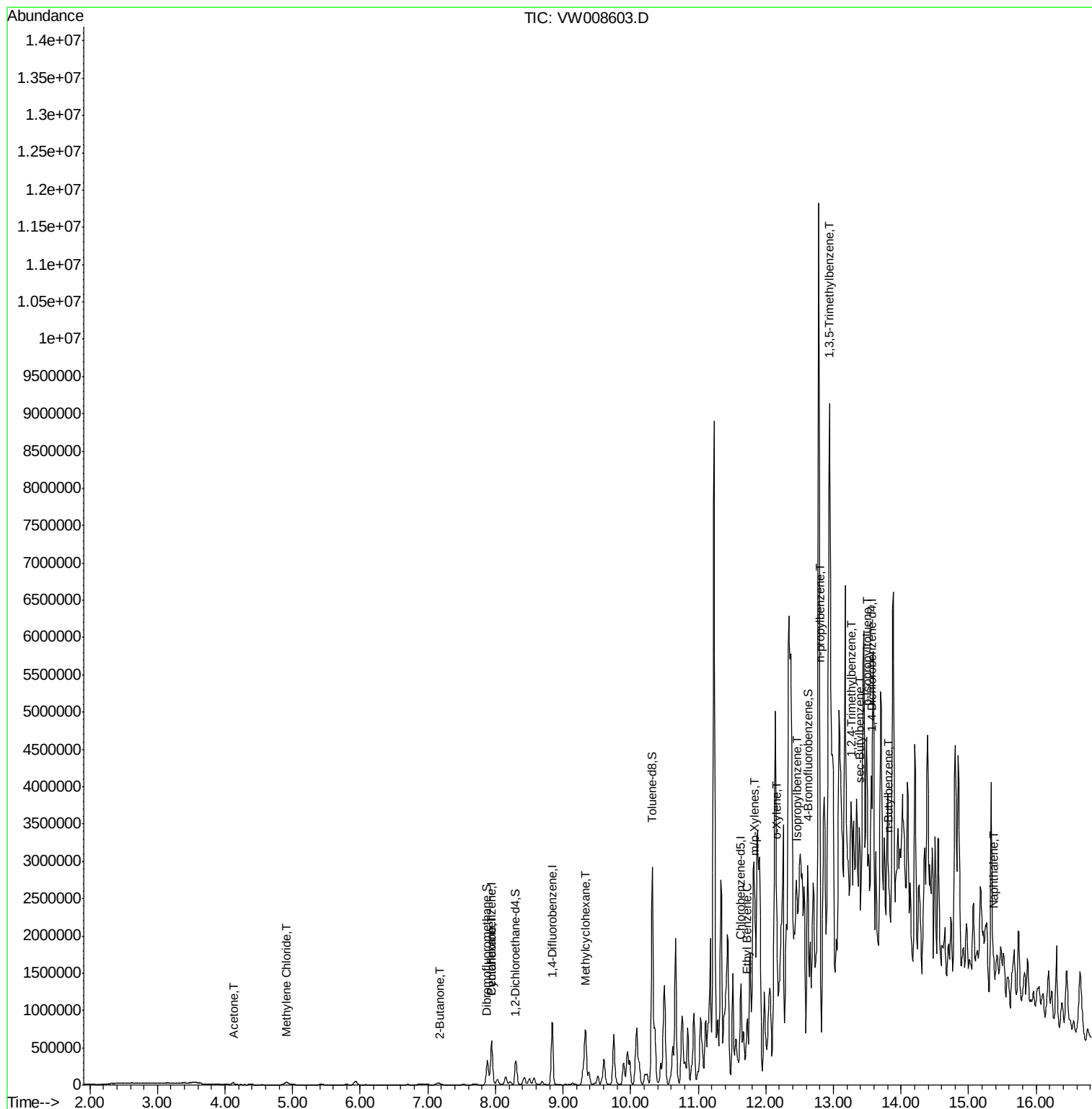
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021119\
Data File : VW008603.D
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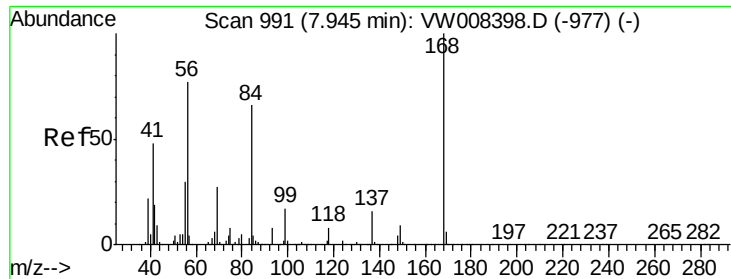
Instrument :
MSVOA_W
ClientSampleId :
SB-1

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Quant Time: Feb 12 05:20:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tot Ion:168 Resp: 430682

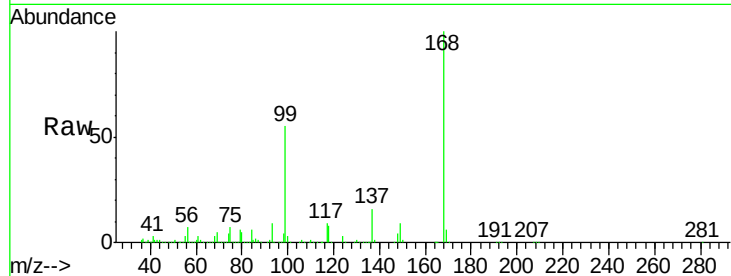
Ion Ratio Lower Upper

168 100

99 54.6 45.5 68.3

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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

200000

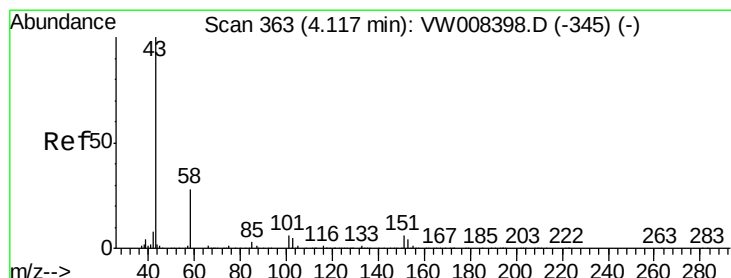
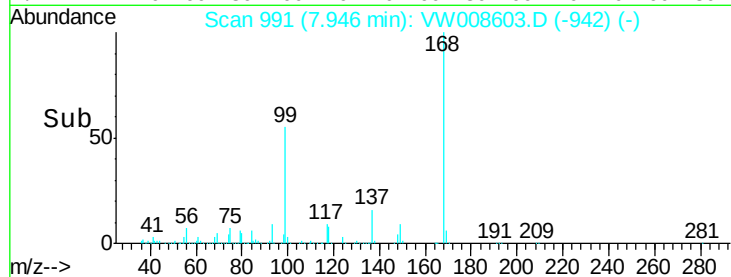
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 46.712 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008603.D

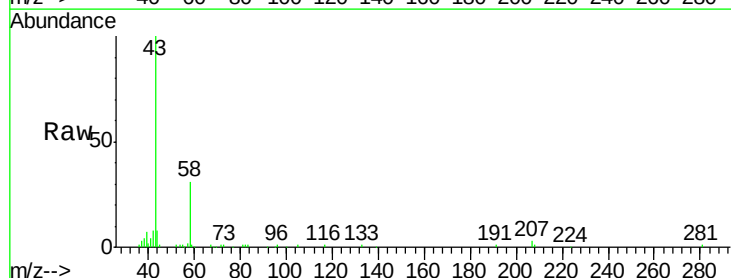
Acq: 11 Feb 2019 17:49

Tgt Ion: 43 Resp: 44383

Ion Ratio Lower Upper

43 100

58 31.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

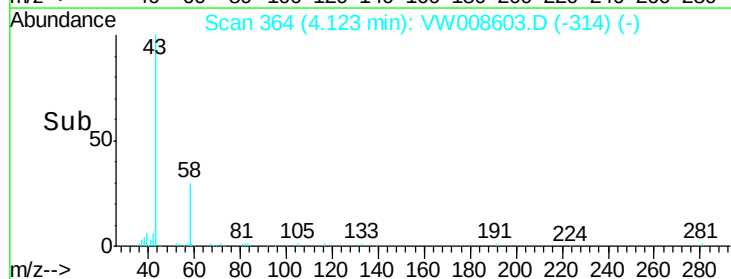
15000

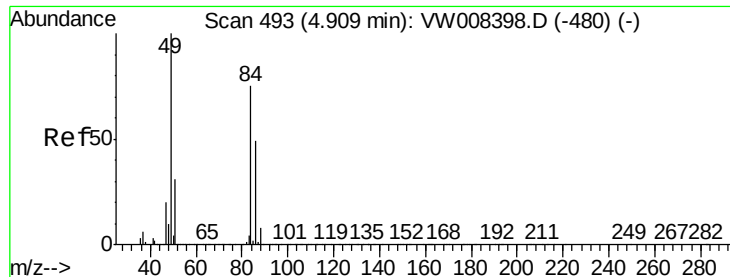
10000

5000

0

Time--> 4.00 4.10 4.20





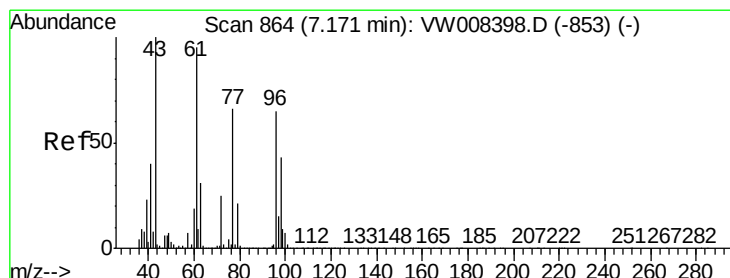
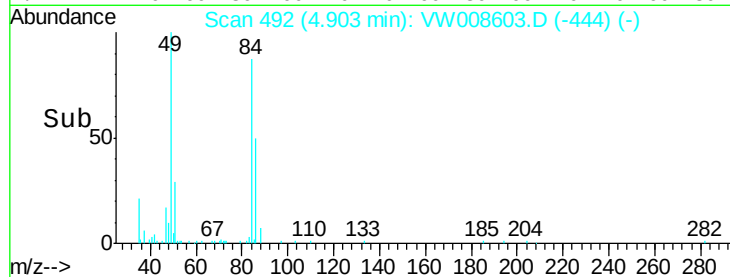
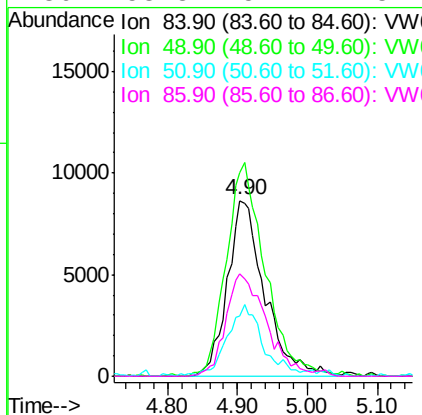
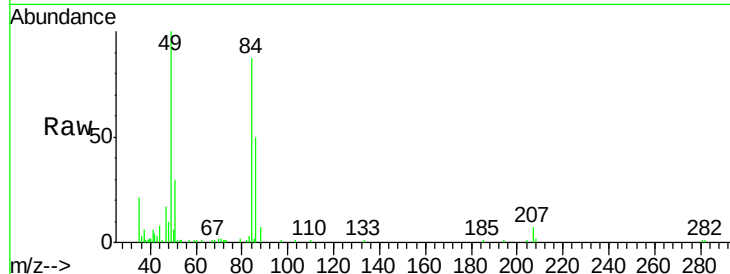
#20
Methylene Chloride
Concen: 7.319 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Instrument :
MSVOA_W
ClientSampleId :
SB-1

Tot Ion:	84	Resp:	32054
Ion Ratio	Lower	Upper	
84	100		
49	115.6	106.8	160.2
51	33.4	32.9	49.3
86	58.3	52.2	78.2

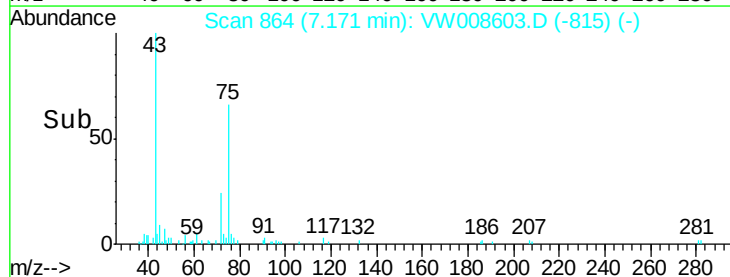
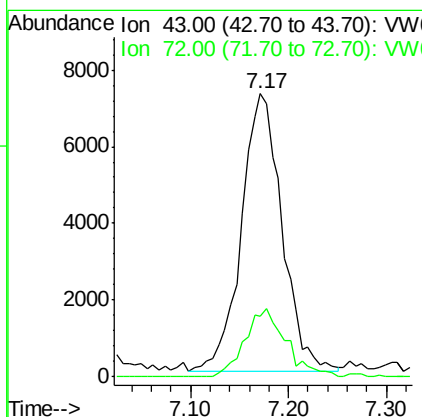
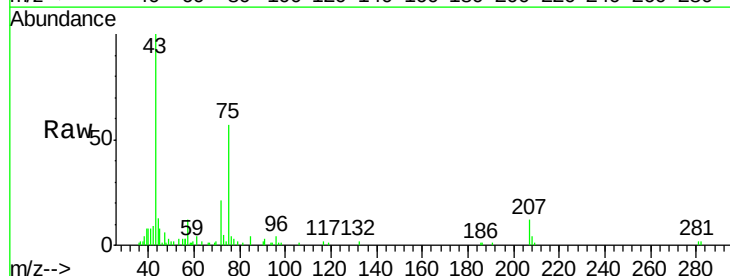
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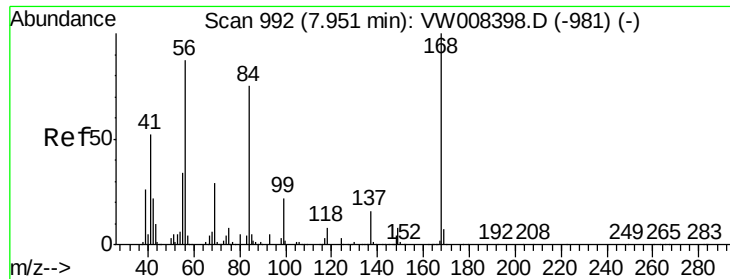
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#25
2-Butanone
Concen: 15.787 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Tgt Ion:	43	Resp:	20835
Ion Ratio	Lower	Upper	
43	100		
72	21.7	20.1	30.1





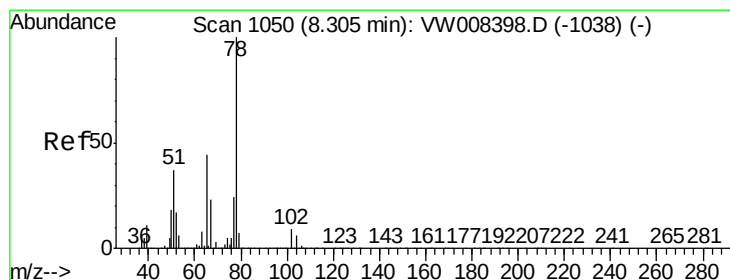
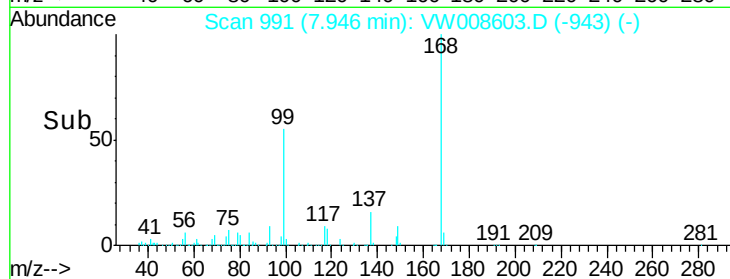
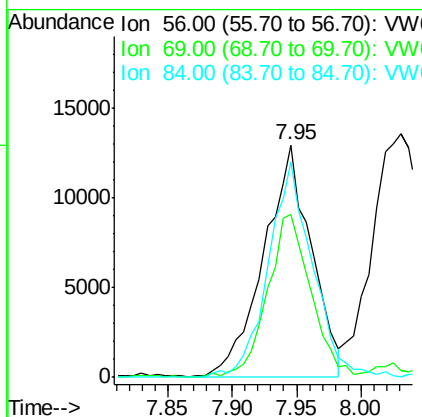
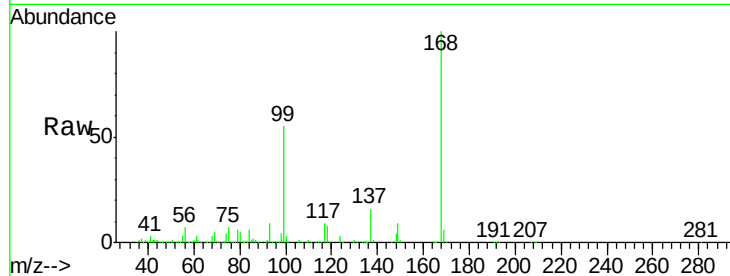
#31
Cyclohexane
Concen: 4.005 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Instrument :
MSVOA_W
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
56	100		
69	70.2	26.4	39.6#
84	92.7	69.1	103.7

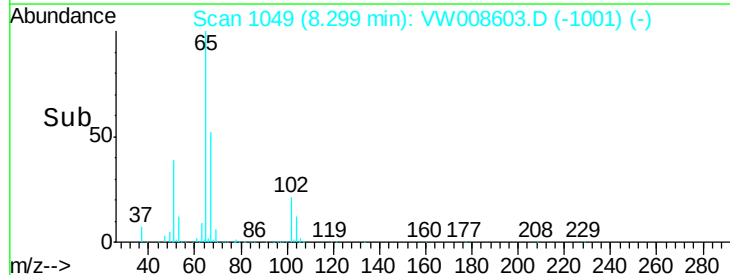
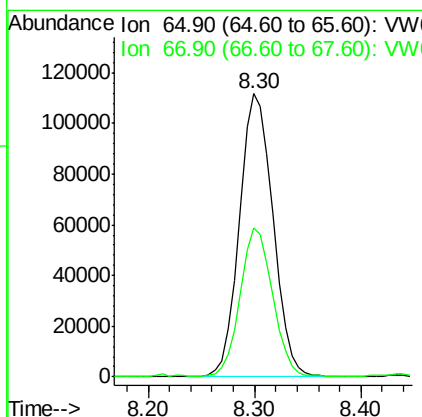
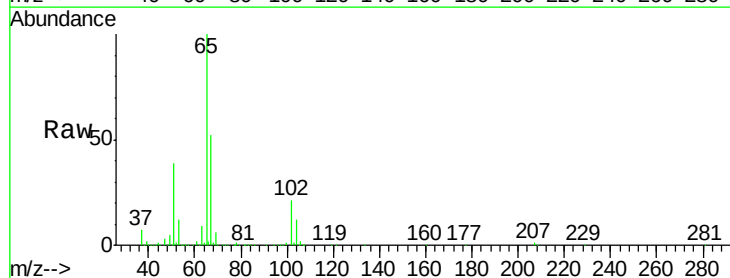
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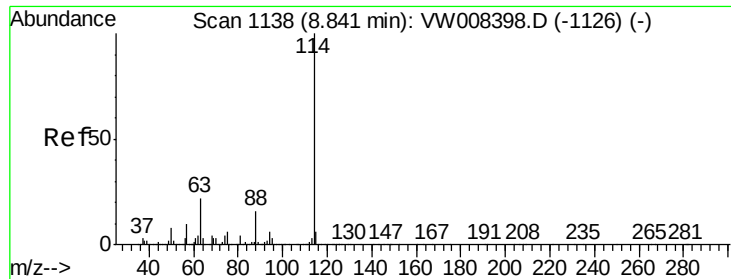
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#33
1,2-Dichloroethane-d4
Concen: 58.437 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Instrument :

MSVOA_W

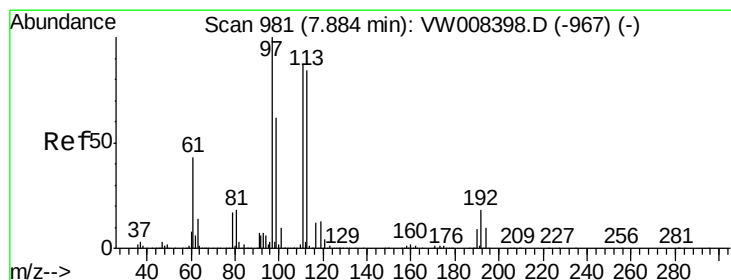
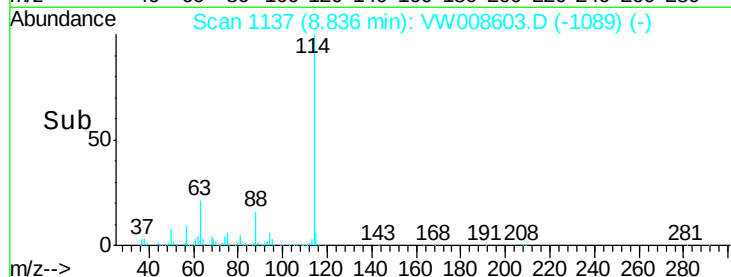
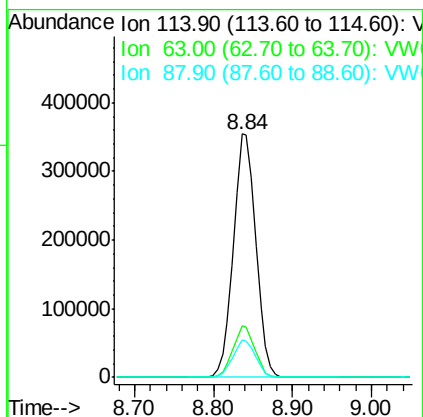
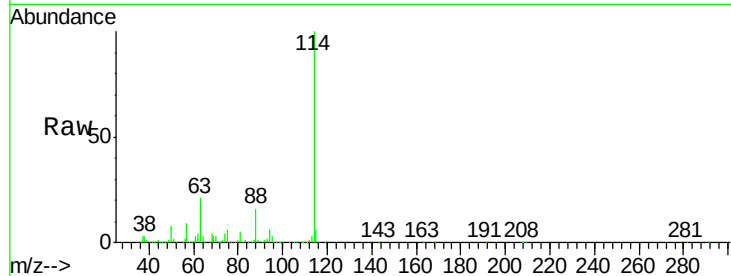
ClientSampleId :

SB-1

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.1	0.0	43.6
88	15.6	0.0	31.8

Manual Integrations
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#35

Dibromofluoromethane

Concen: 54.403 ug/l

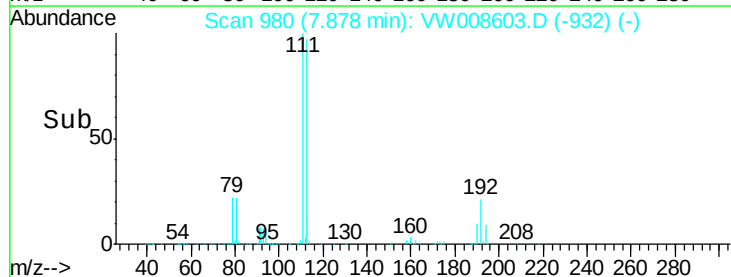
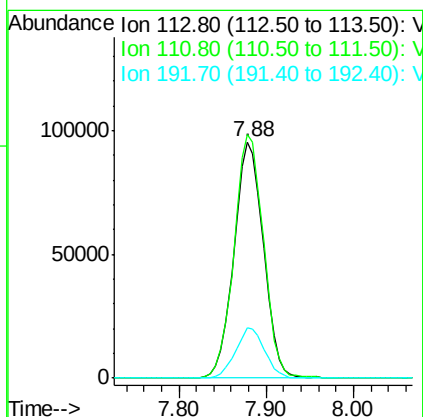
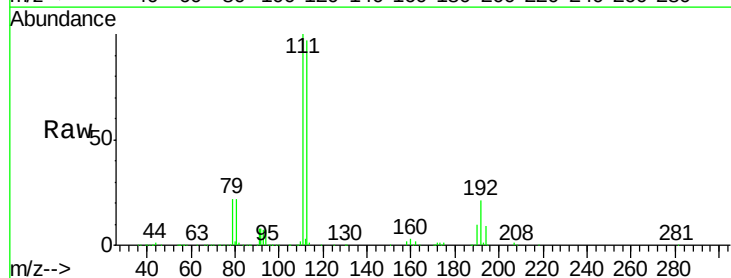
RT: 7.88 min Scan# 980

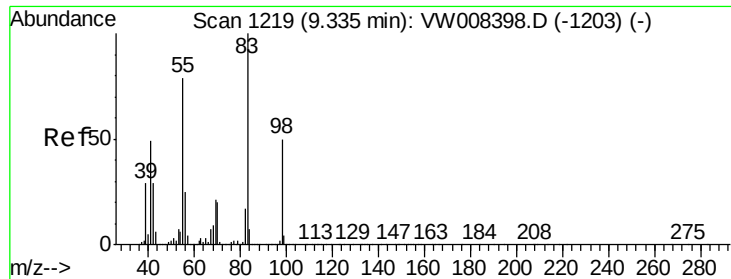
Delta R.T. -0.01 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.0	81.0	121.4
192	21.1	16.8	25.2





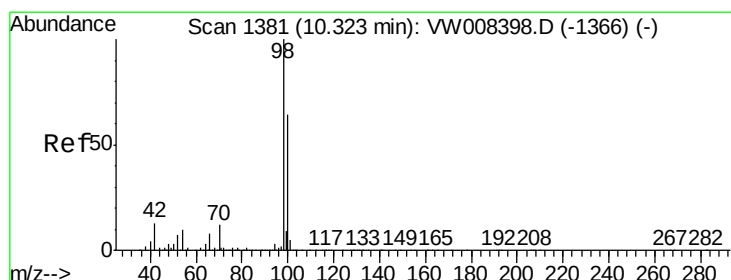
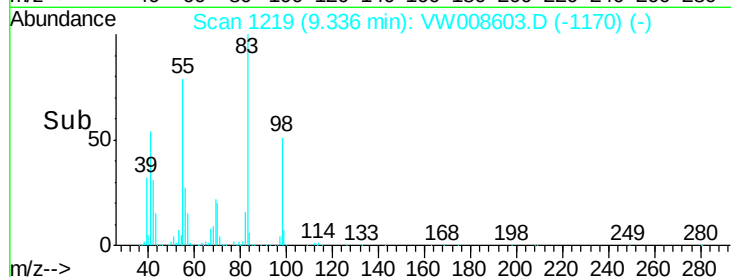
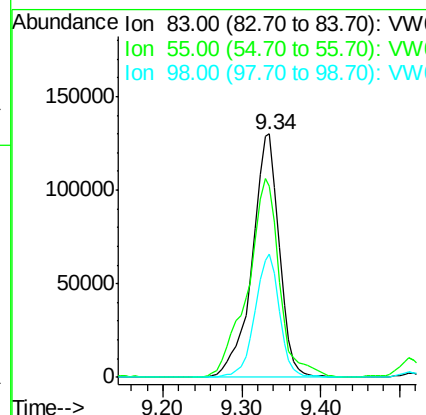
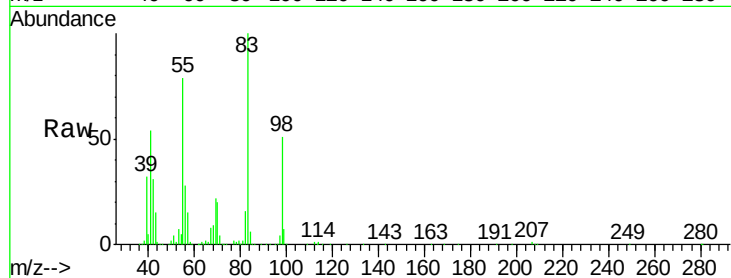
#39
Methylcyclohexane
Concen: 35.611 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Instrument :
MSVOA_W
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	63.3	94.9
98	50.8	39.7	59.5

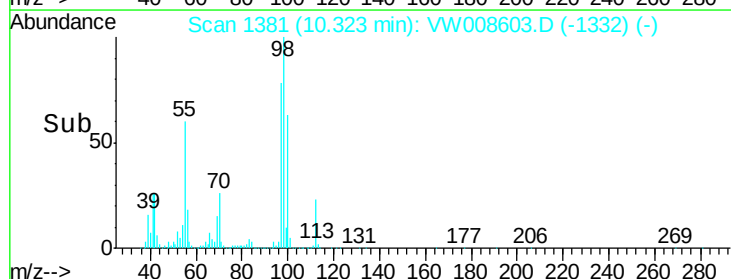
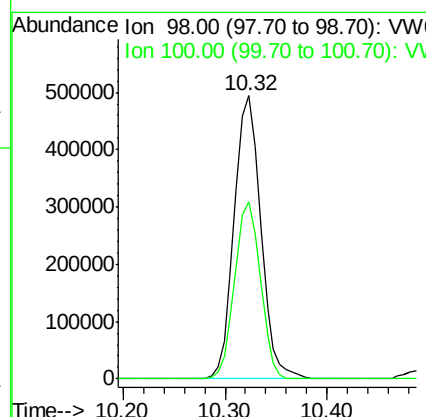
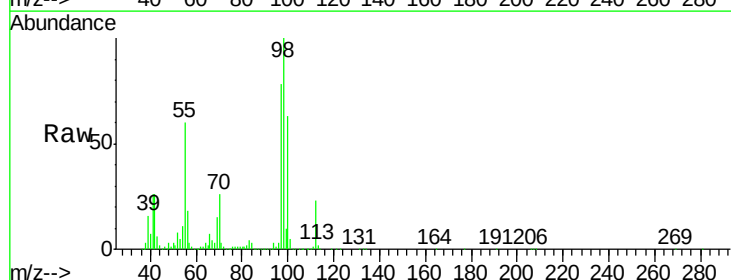
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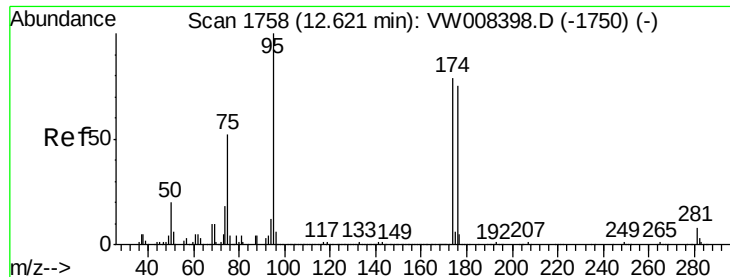
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#50
Toluene-d8
Concen: 54.316 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.1	52.6	78.8





#62

4-Bromofluorobenzene

Concen: 67.652 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tot Ion: 95 Resp: 428567

Ion Ratio Lower Upper

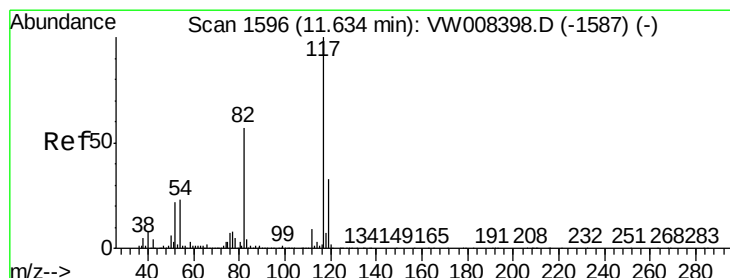
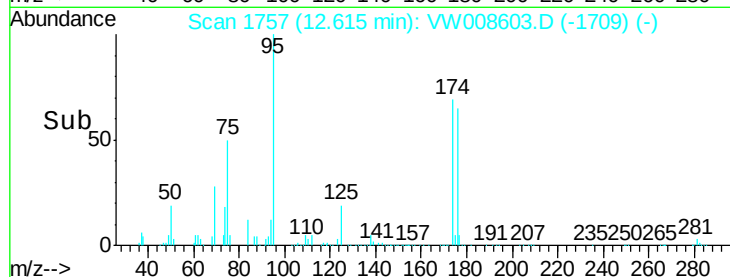
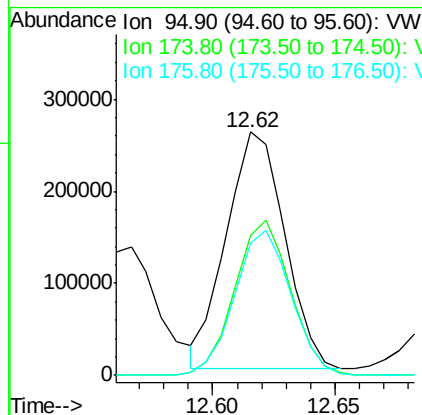
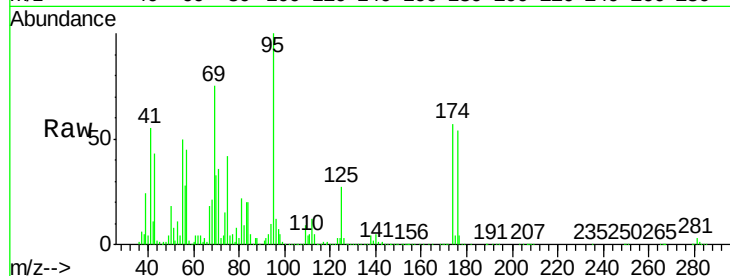
95 100

174 62.5 0.0 157.6

176 59.1 0.0 151.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

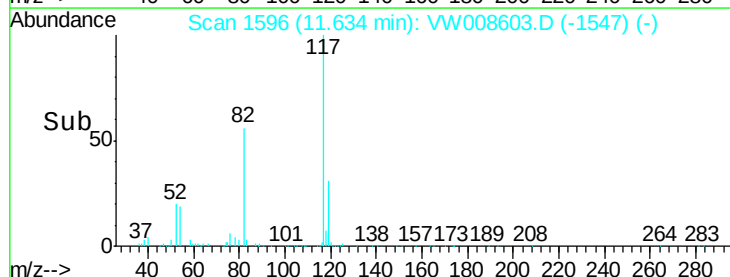
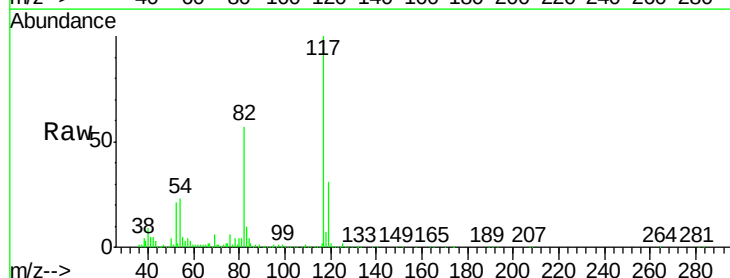
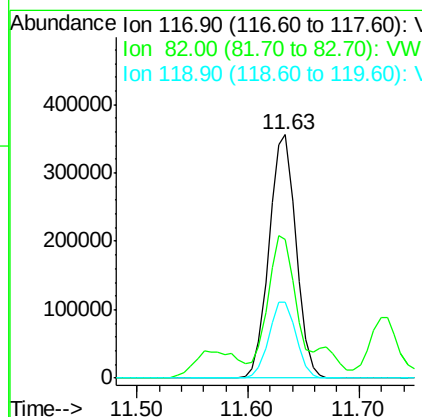
Tgt Ion: 117 Resp: 601945

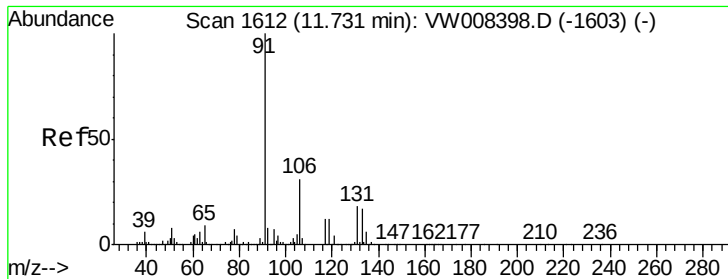
Ion Ratio Lower Upper

117 100

82 52.2 45.4 68.0

119 31.3 26.2 39.4





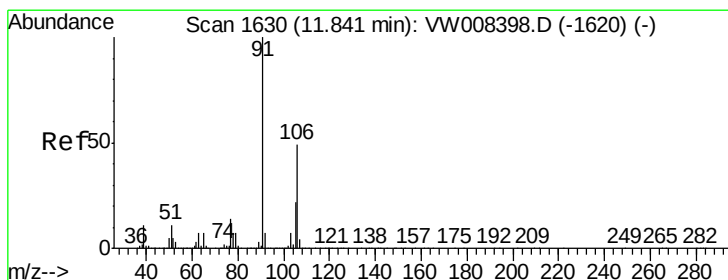
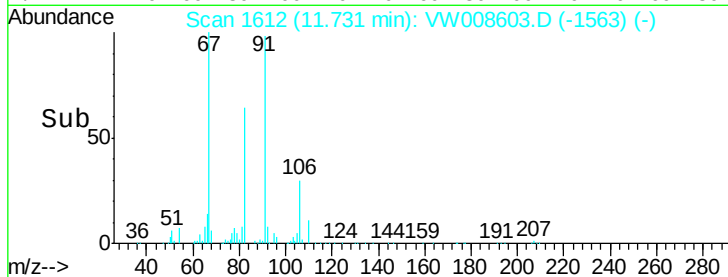
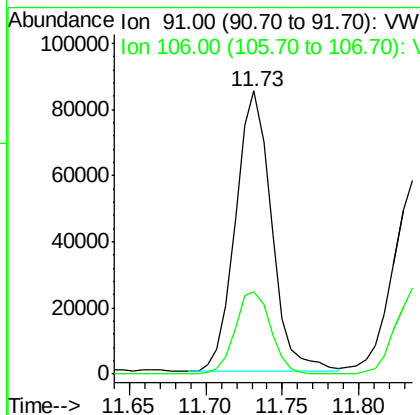
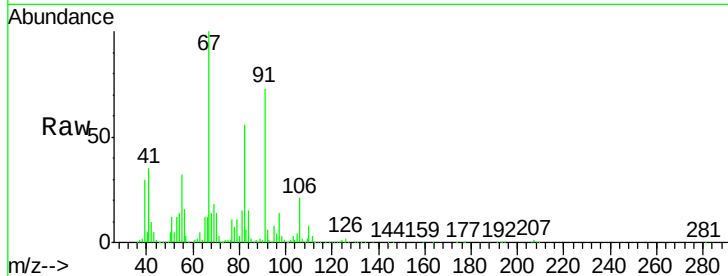
#67
Ethyl Benzene
Concen: 6.171 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Instrument :
MSVOA_W
ClientSampleId :
SB-1

Tot Ion: 91 Resp: 139375
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1

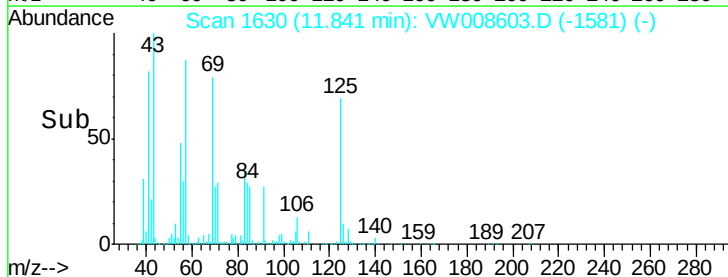
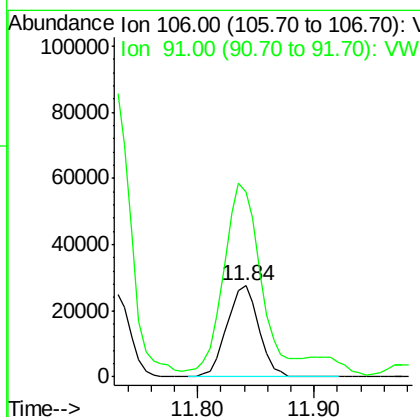
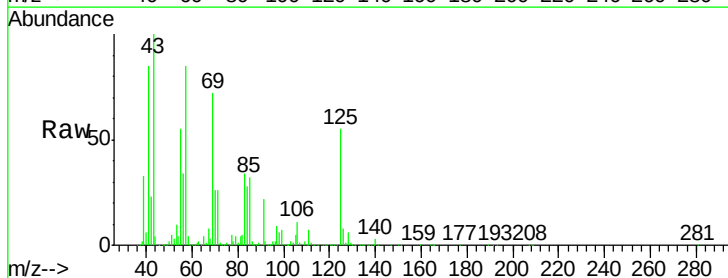
Manual Integrations
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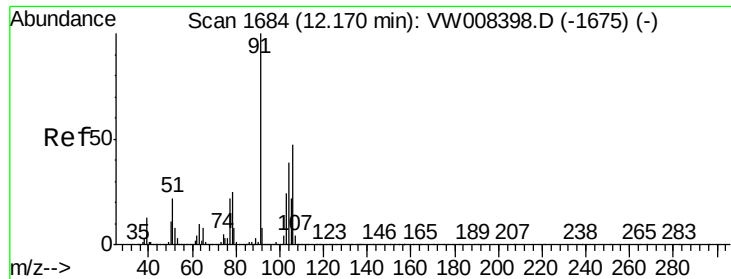
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#68
m/p-Xylenes
Concen: 6.006 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Tgt Ion: 106 Resp: 52632
Ion Ratio Lower Upper
106 100
91 233.9 162.9 244.3





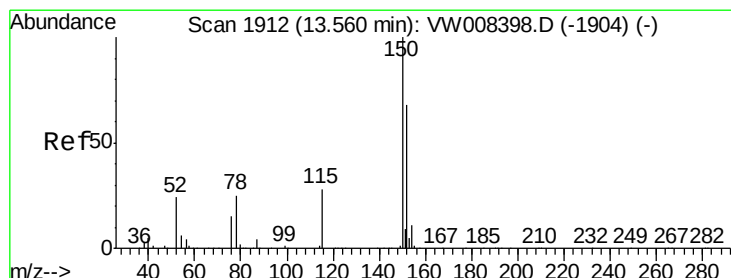
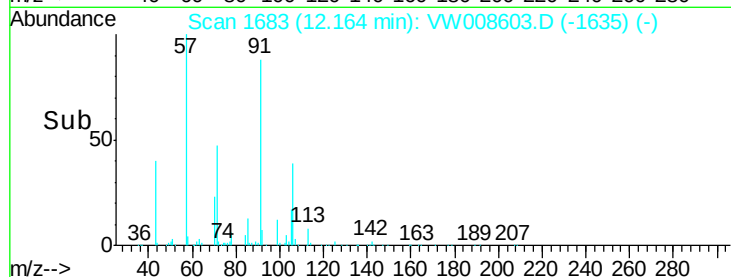
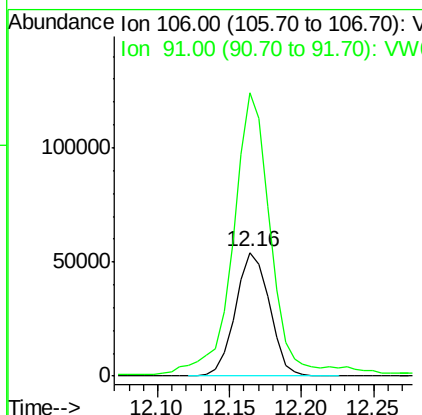
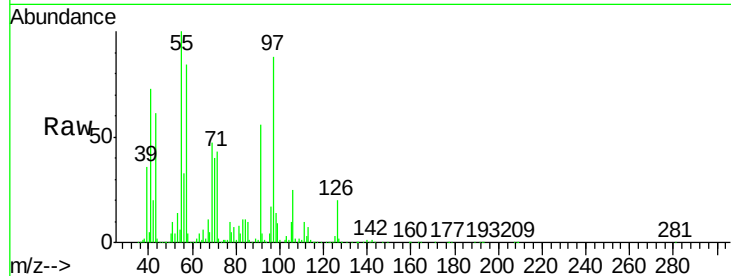
#69
o-Xylene
Concen: 10.705 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Instrument :
MSVOA_W
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
106	100		
91	245.0	107.5	322.4

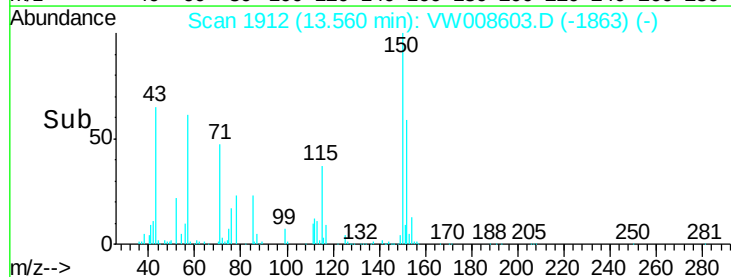
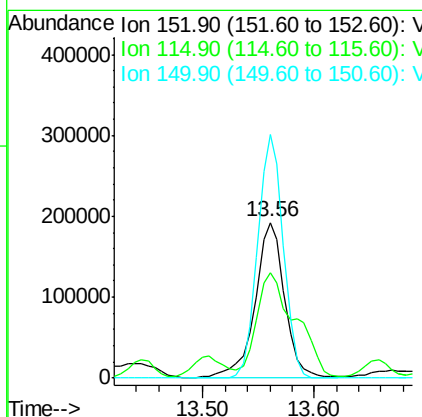
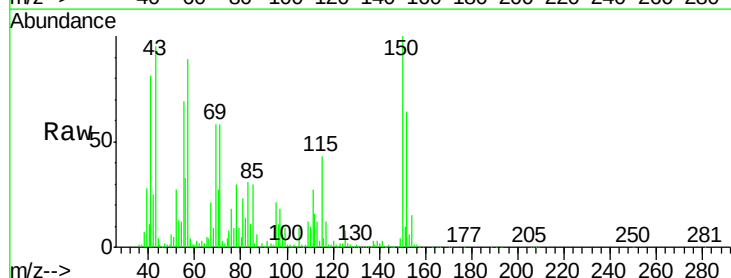
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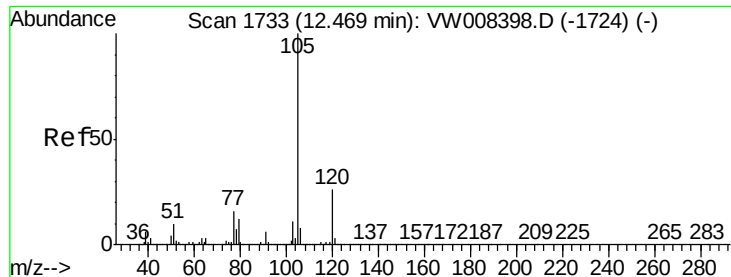
MMDadoda
2/12/2019 1:43:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008603.D
Acq: 11 Feb 2019 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	87.9	29.9	89.7
150	136.6	0.0	351.4





#73

Isopropylbenzene

Concen: 5.408 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Instrument :

MSVOA_W

ClientSampled :

SB-1

Tot Ion: 105 Resp: 142672

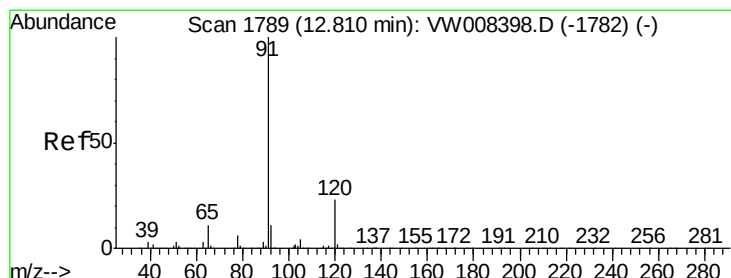
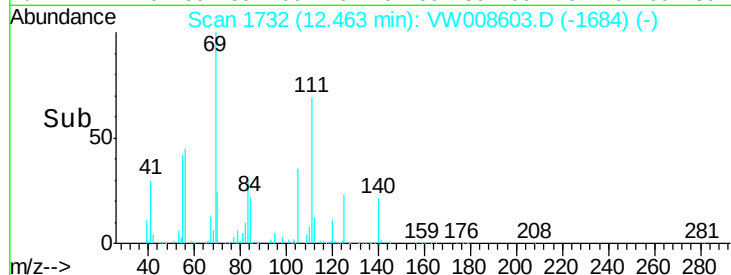
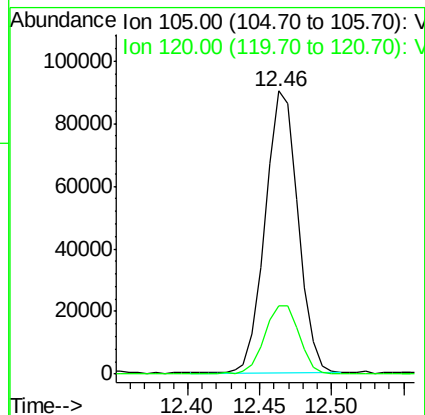
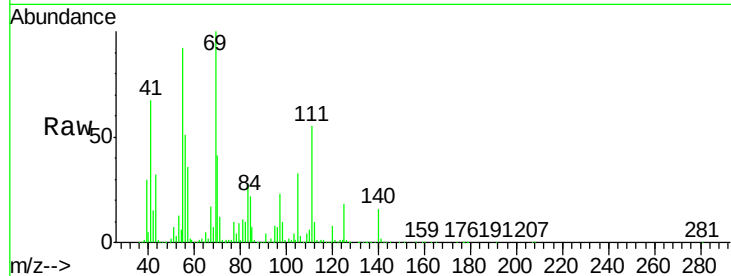
Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.8

Manual Integrations
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2/12/2019 1:43:11 PM



#78

n-propylbenzene

Concen: 6.929 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008603.D

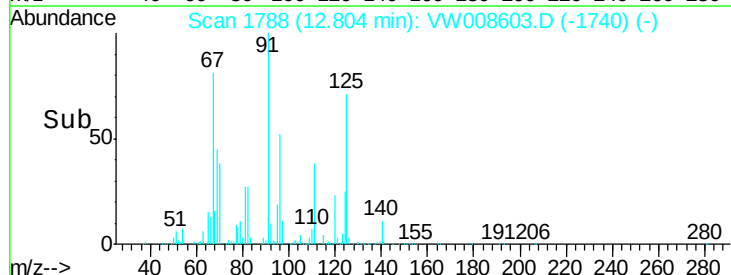
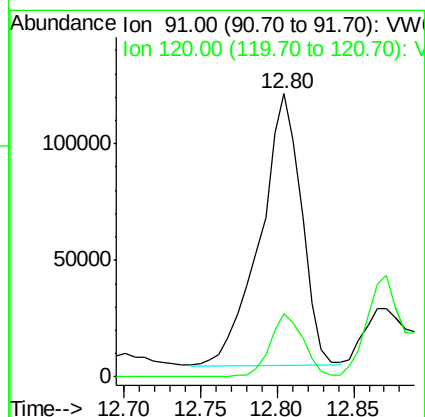
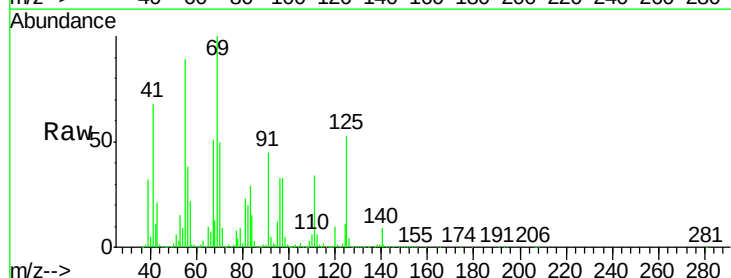
Acq: 11 Feb 2019 17:49

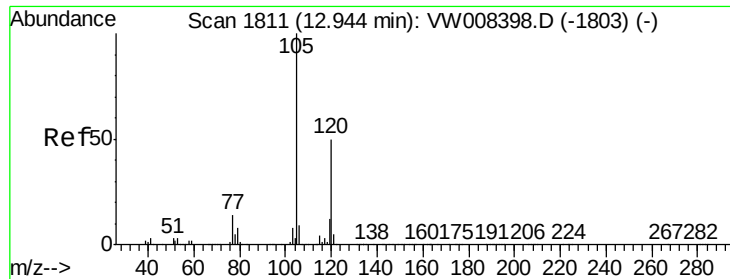
Tgt Ion: 91 Resp: 219549

Ion Ratio Lower Upper

91 100

120 18.8 11.4 34.1





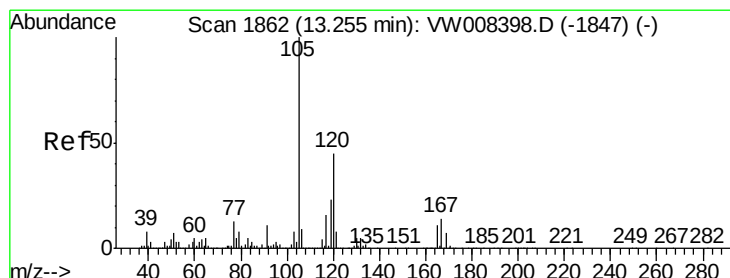
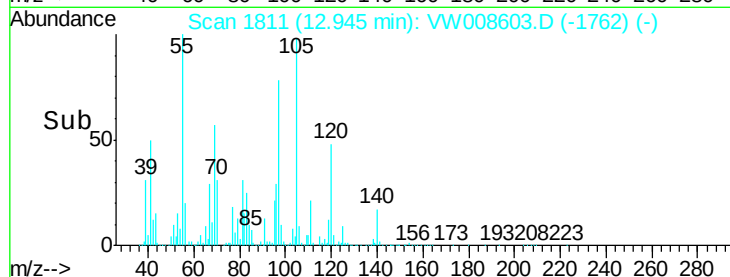
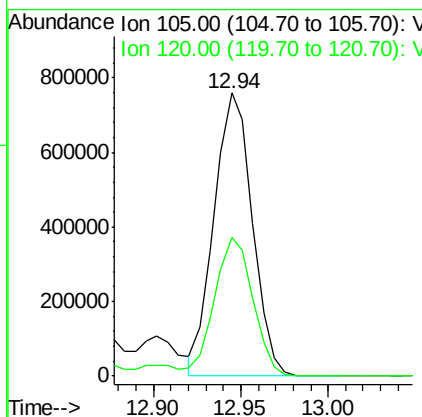
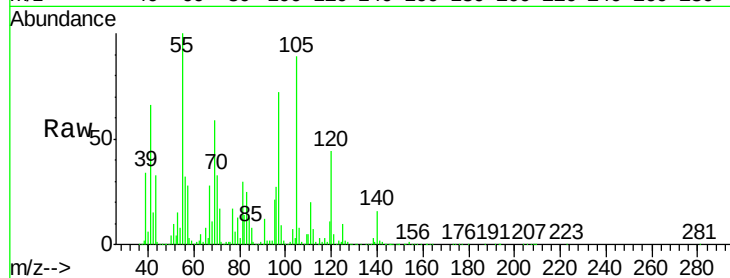
#80
 1,3,5-Trimethylbenzene
 Concen: 52.311 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008603.D
 Acq: 11 Feb 2019 17:49

Instrument :
 MSVOA_W
 ClientSampled :
 SB-1

Tot Ion:105 Resp: 1153529
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.8

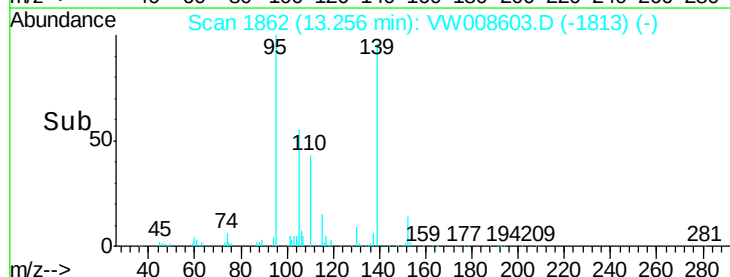
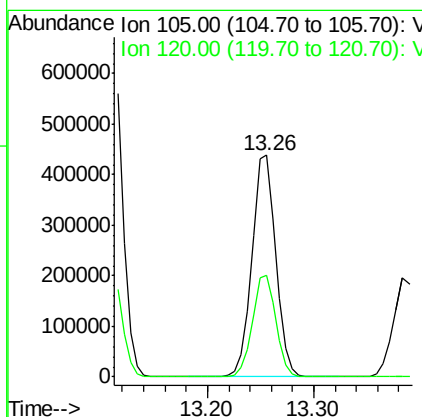
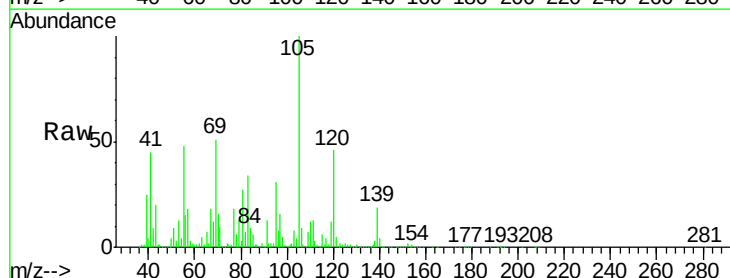
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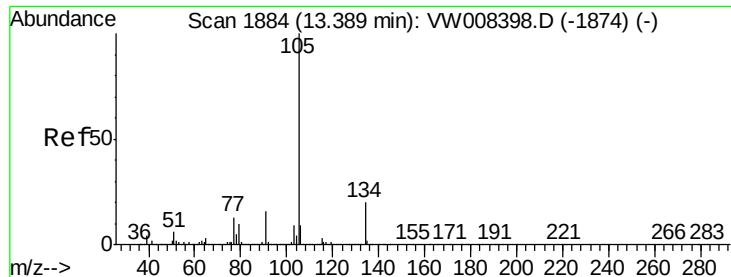
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 30.620 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008603.D
 Acq: 11 Feb 2019 17:49

Tgt Ion:105 Resp: 686309
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.1 69.2





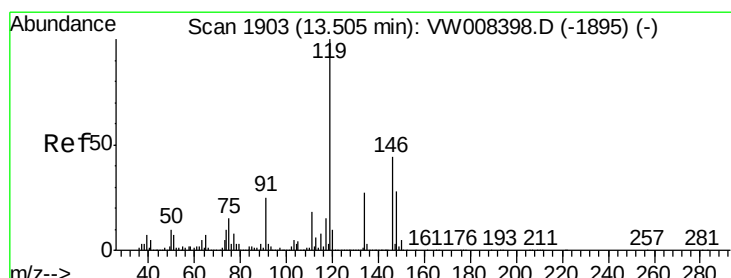
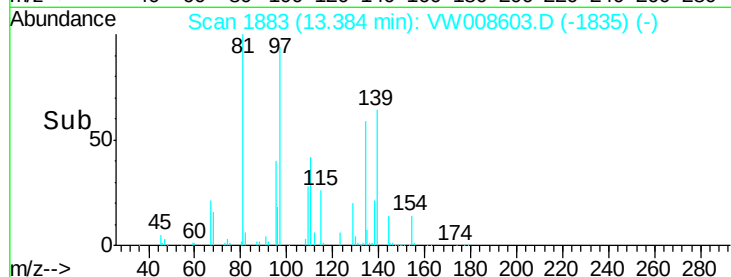
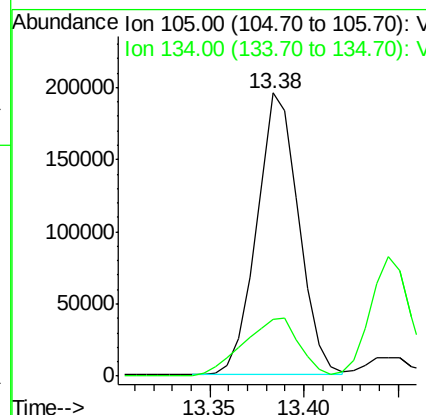
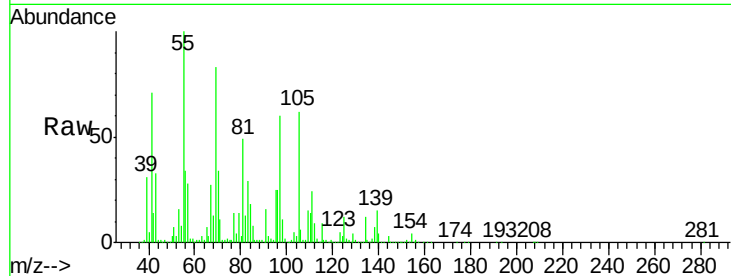
#85
 sec-Butylbenzene
 Concen: 10.647 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008603.D
 Acq: 11 Feb 2019 17:49

Instrument :
 MSVOA_W
 ClientSampled :
 SB-1

Tot Ion	Ratio	Lower	Upper
105	100		
134	27.8	10.2	30.6

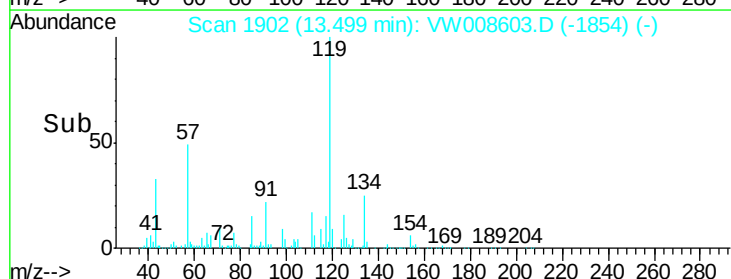
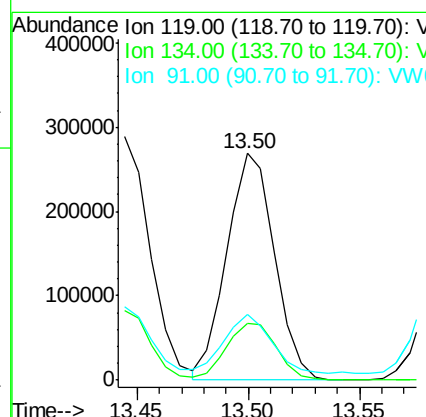
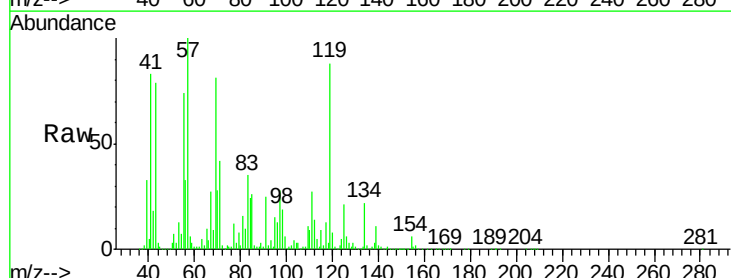
Manual Integrations
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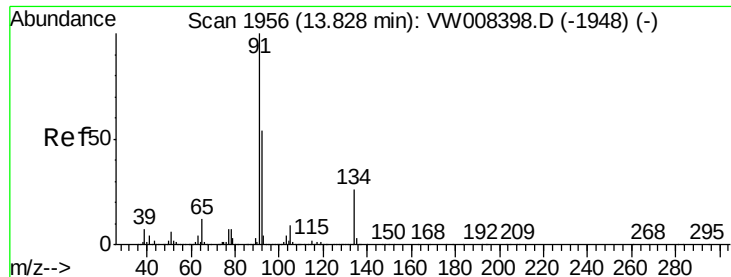
MMDadoda
 2/12/2019 1:43:11 PM



#86
 p-Isopropyltoluene
 Concen: 16.305 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008603.D
 Acq: 11 Feb 2019 17:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.4	40.2
91	25.4	12.6	37.6





#89

n-Butylbenzene

Concen: 5.904 ug/l m

RT: 13.82 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Instrument :

MSVOA_W

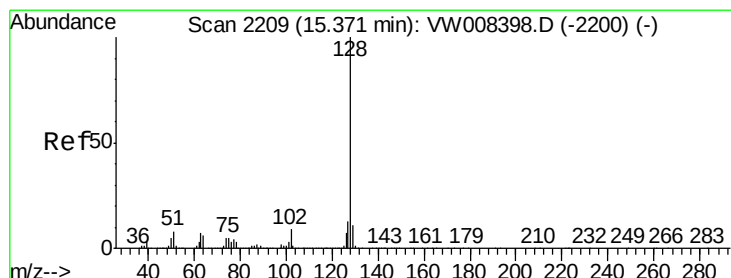
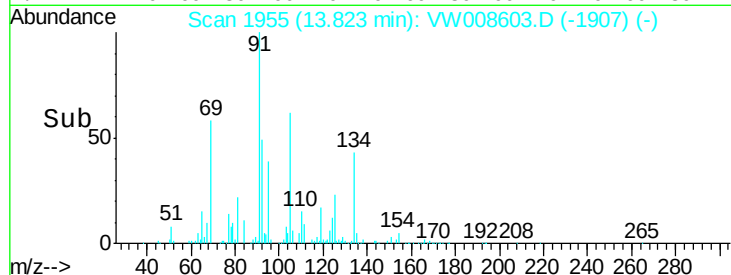
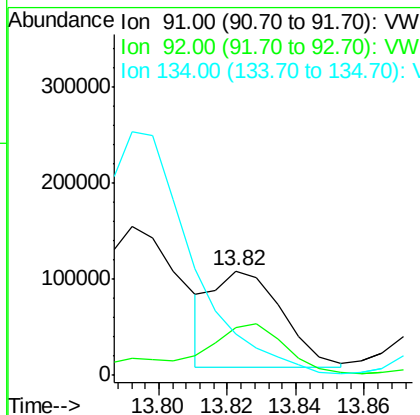
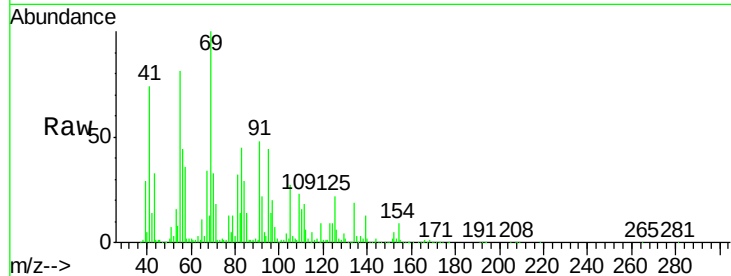
ClientSampled :

SB-1

Tot Ion:	91	Resp:	142311
Ion Ratio	Lower	Upper	
91	100		
92	0.0	27.4	82.2#
134	336.1	13.0	39.0#

Manual Integrations
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2/12/2019 1:43:11 PM



#95

Naphthalene

Concen: 28.102 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008603.D

Acq: 11 Feb 2019 17:49

Tgt Ion:	128	Resp:	362534
Ion Ratio	Lower	Upper	
128	100		
127	19.1	10.6	15.8#
129	11.0	8.7	13.1

