

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010656.D
 Acq On : 03 Jun 2019 13:42
 Operator : SY/VA
 Sample : K3146-01RE
 Misc : 1.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-DEBRI-DRUMRE

Manual Integrations
 APPROVED

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 6/4/2019 12:12:56 PM

Quant Time: Jun 04 07:57:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	85517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	149270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	85615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	27122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	54315	61.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.06%	
35) Dibromofluoromethane	7.88	113	50910	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
50) Toluene-d8	10.32	98	134164	38.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.54%	
62) 4-Bromofluorobenzene	12.62	95	38777	28.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	56.28%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	2705	15.013	ug/l #	87
52) Toluene	10.39	92	3927	1.513	ug/l	96
67) Ethyl Benzene	11.73	91	14918	4.631	ug/l	99
68) m/p-Xylenes	11.83	106	28933	22.898	ug/l	96
69) o-Xylene	12.17	106	22864	19.098	ug/l	99
73) Isopropylbenzene	12.46	105	20896	9.709	ug/l	98
78) n-propylbenzene	12.80	91	110994	44.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	275573	151.181	ug/l	99
83) tert-Butylbenzene	13.21	119	3346m	2.101	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	1444577	795.709	ug/l	99
85) sec-Butylbenzene	13.39	105	117542	52.752	ug/l	80
86) p-Isopropyltoluene	13.50	119	124218	61.591	ug/l	100
89) n-Butylbenzene	13.83	91	194983	101.640	ug/l #	80
95) Naphthalene	15.37	128	284709	231.532	ug/l	98

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

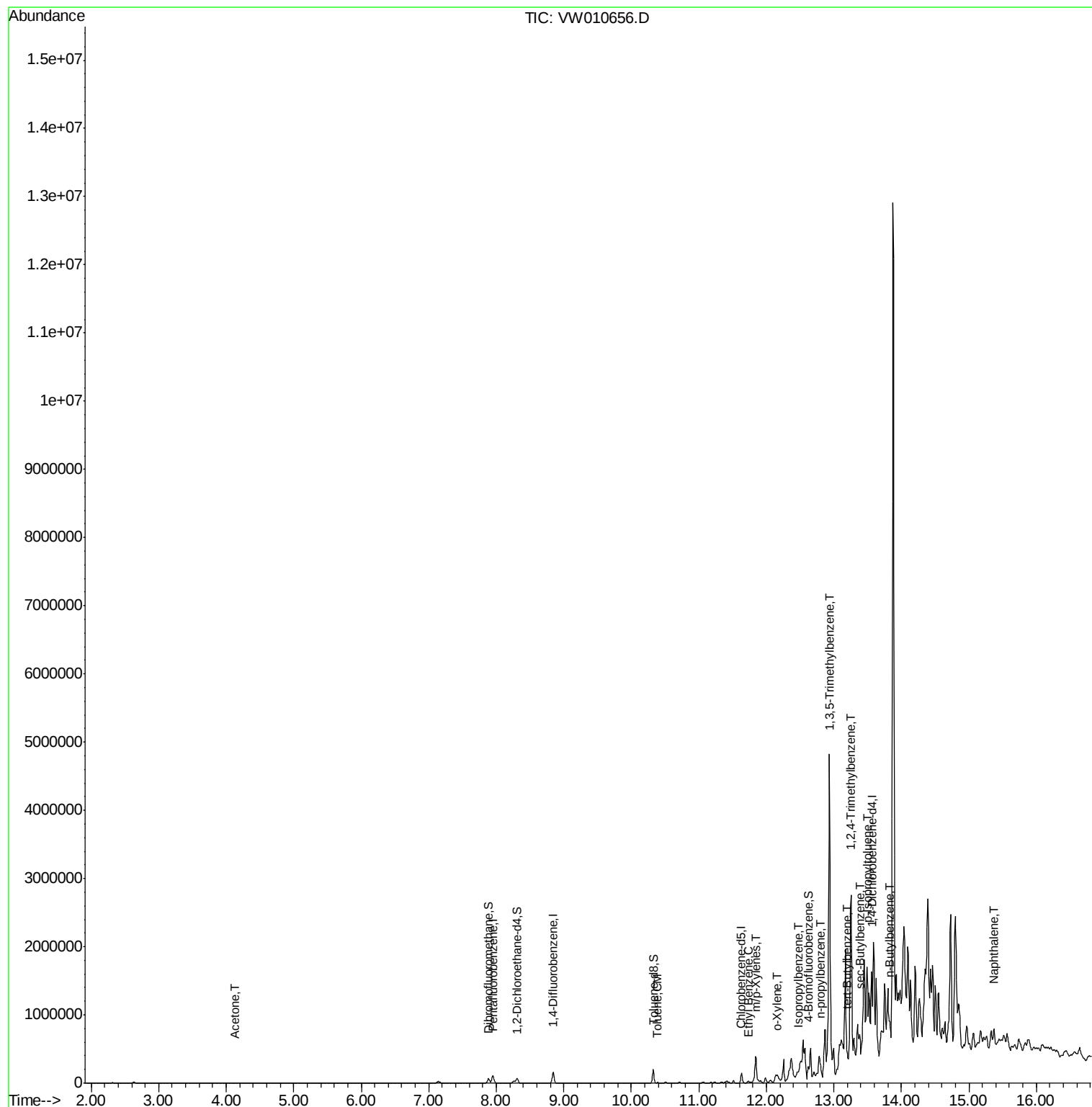
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW060319\
Data File : VW010656.D
Acq On : 03 Jun 2019 13:42
Operator : SY/VA
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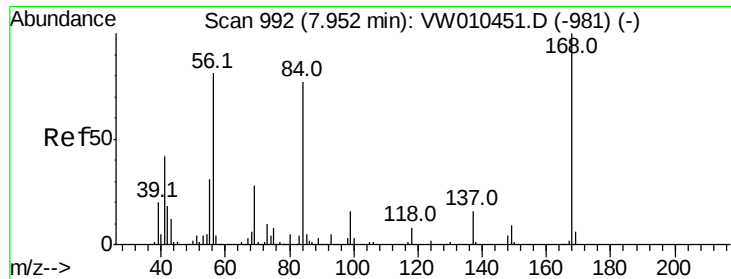
Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Quant Time: Jun 04 07:57:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260
QLast Update : Tue May 21 06:38:43 2019
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRI-DRUMRE

Tot Ion:168 Resp: 85517

Ion Ratio Lower Upper

168 100

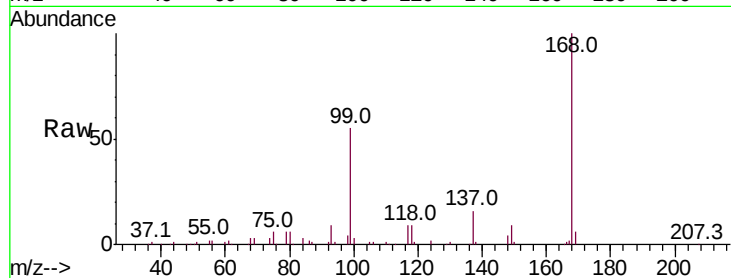
99 54.9 46.1 69.1

Manual Integrations

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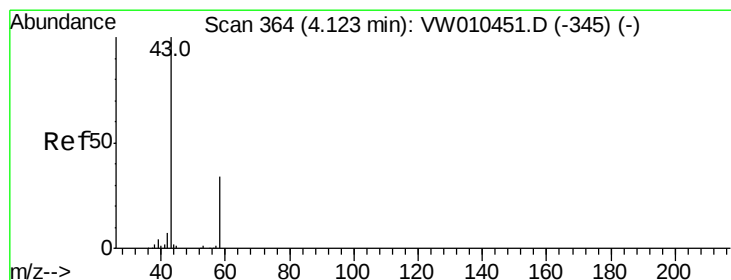
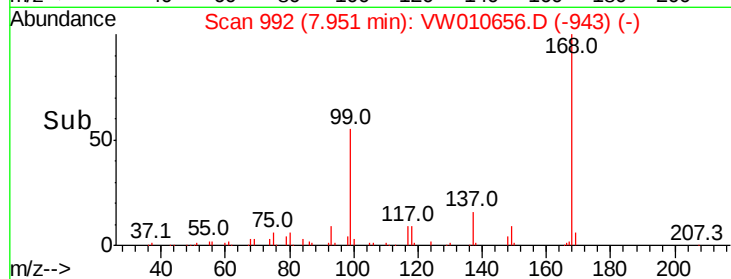
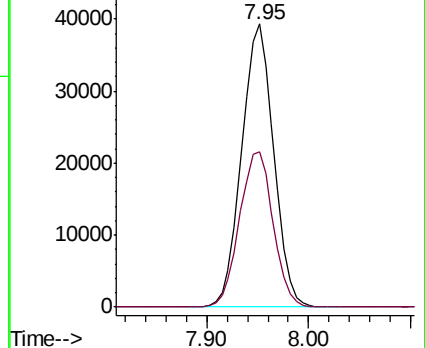
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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 15.013 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010656.D

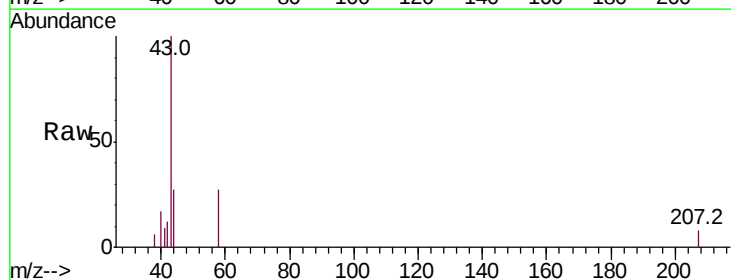
Acq: 03 Jun 2019 13:42

Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

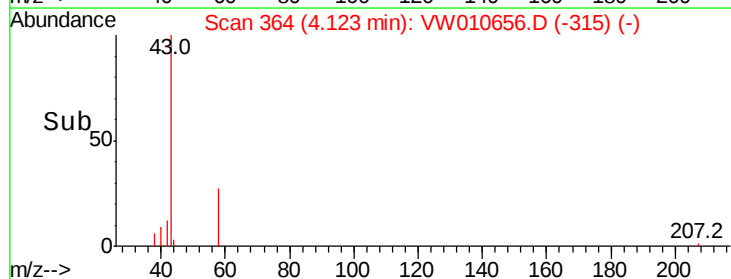
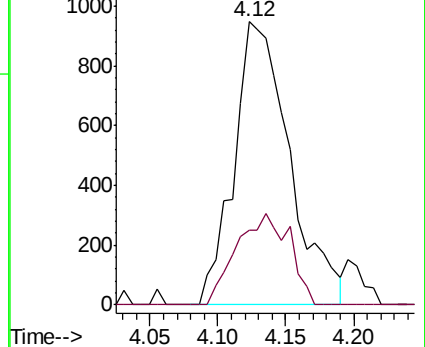
43 100

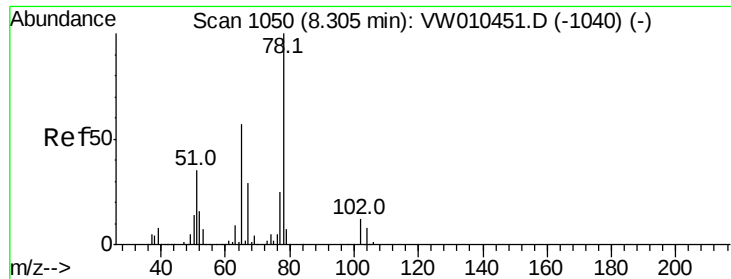
58 26.5 27.0 40.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#33

1,2-Dichloroethane-d4

Concen: 61.534 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRI-DRUMRE

Tot Ion: 65 Resp: 54315

Ion Ratio Lower Upper

65 100

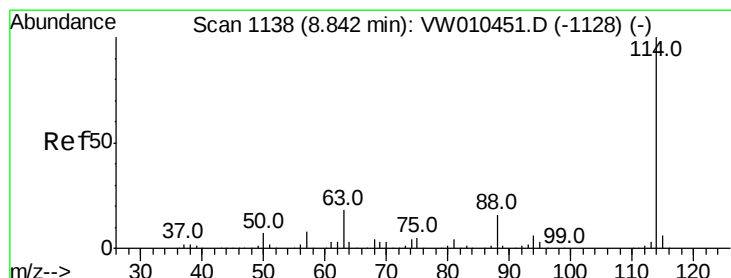
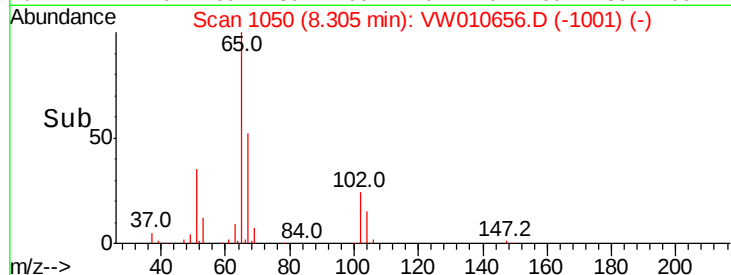
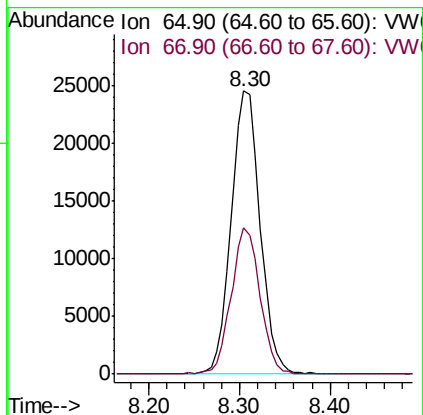
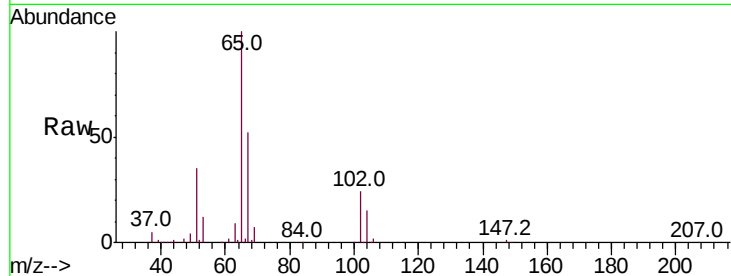
67 51.5 0.0 103.6

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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: VW010656.D

Acq: 03 Jun 2019 13:42

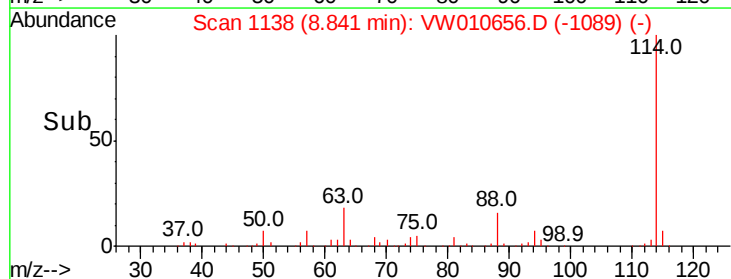
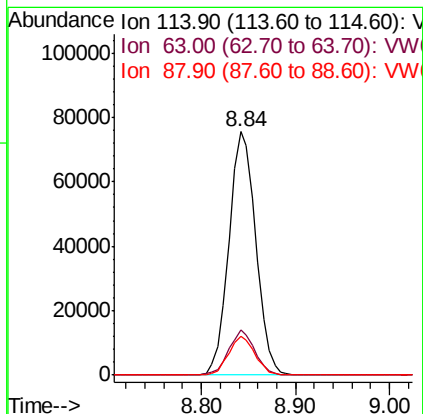
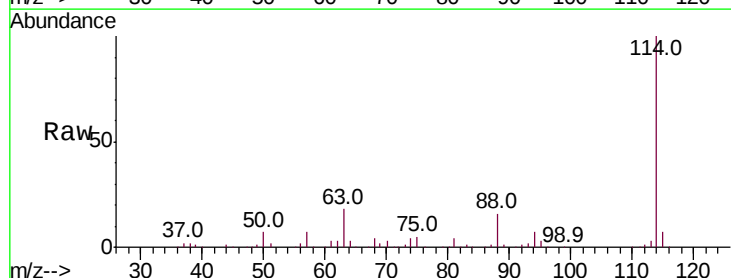
Tgt Ion: 114 Resp: 149270

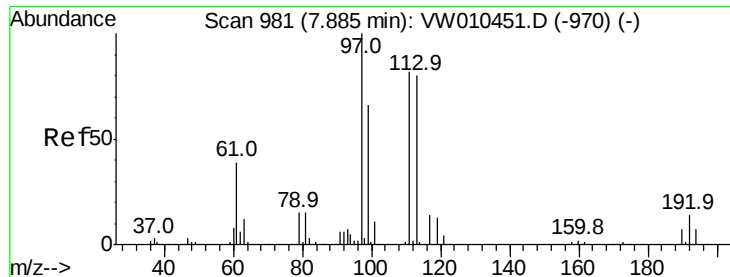
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

88 15.9 0.0 32.0





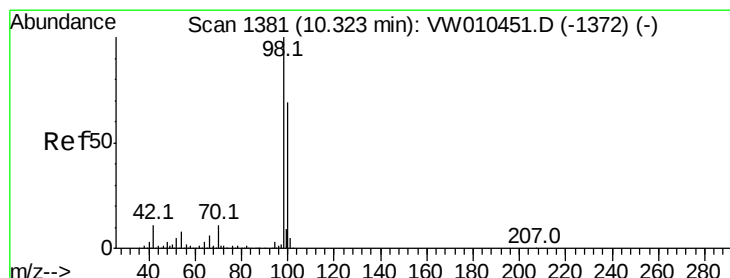
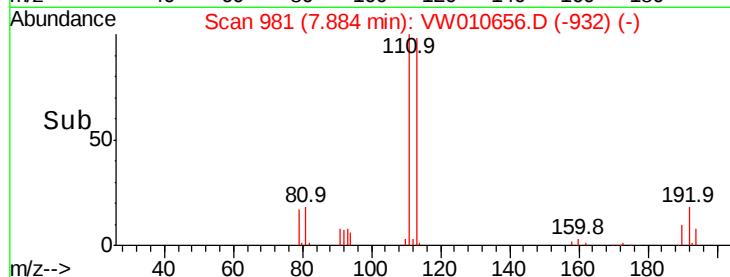
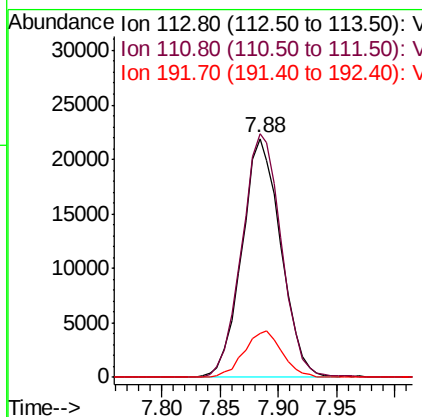
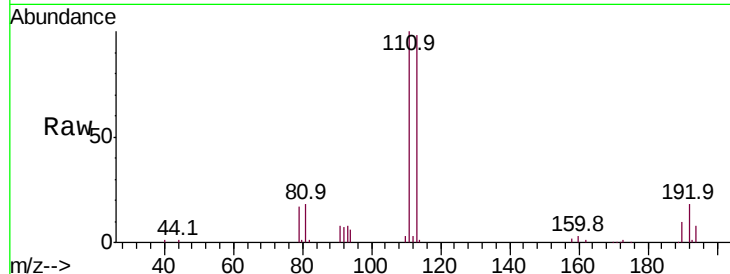
#35
 Dibromofluoromethane
 Concen: 56.208 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010656.D
 Acq: 03 Jun 2019 13:42

Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-DEBRI-DRUMRE

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	18.9	14.3	21.5

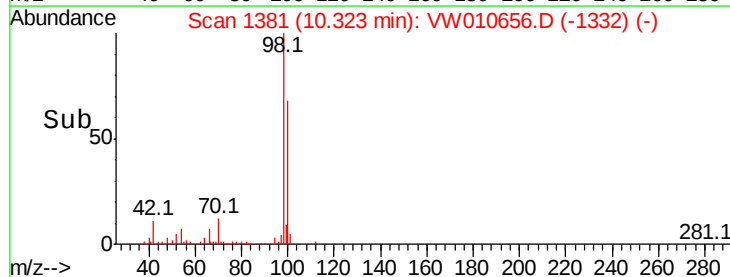
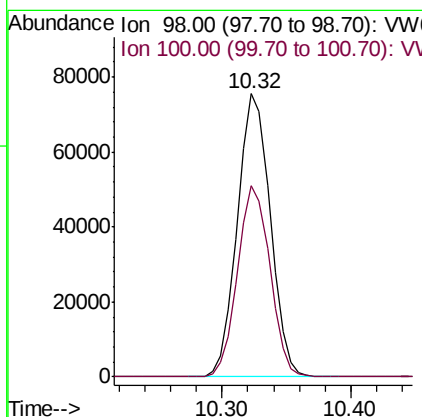
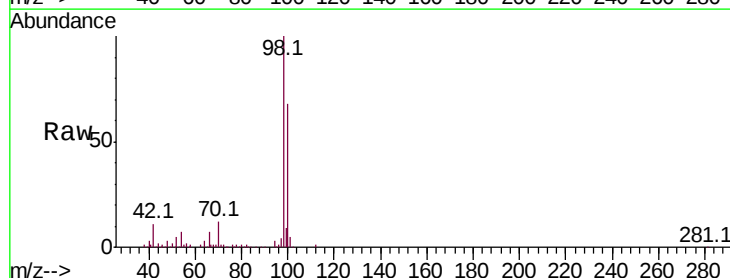
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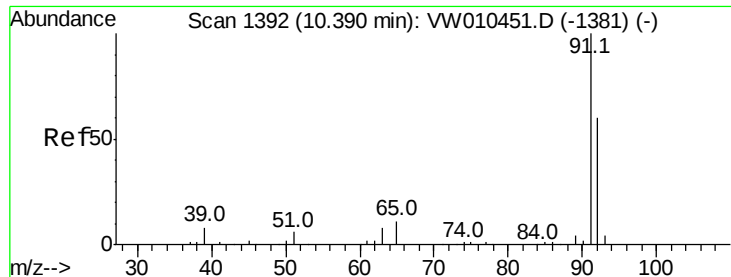
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#50
 Toluene-d8
 Concen: 38.774 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW010656.D
 Acq: 03 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.7	80.5





#52

Toluene

Concen: 1.513 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRI-DRUMRE

Tot Ion: 92 Resp: 3927

Ion Ratio Lower Upper

92 100

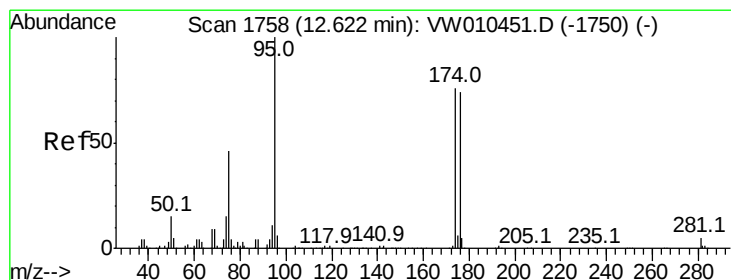
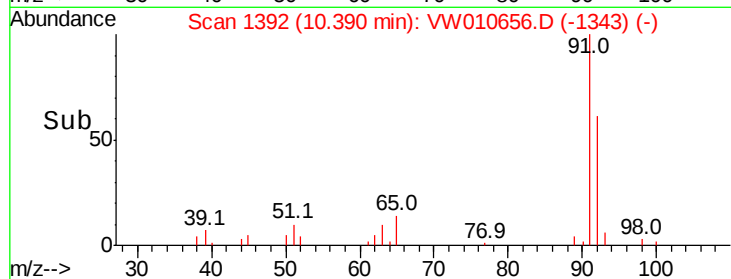
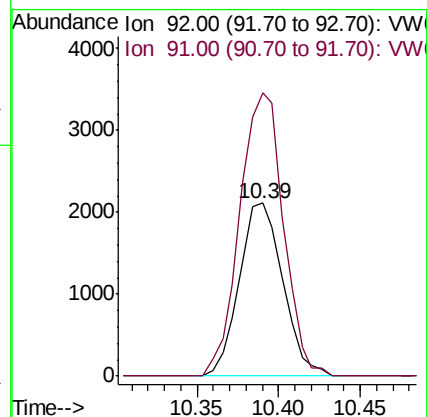
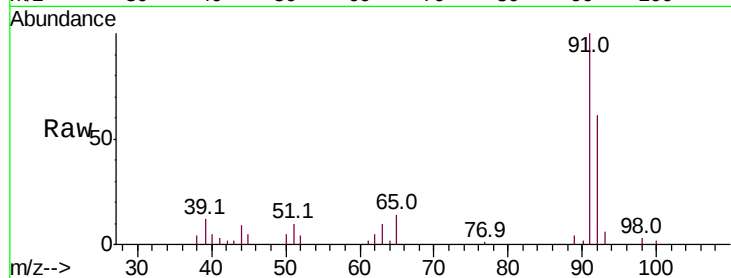
91 164.4 135.4 203.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 28.135 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

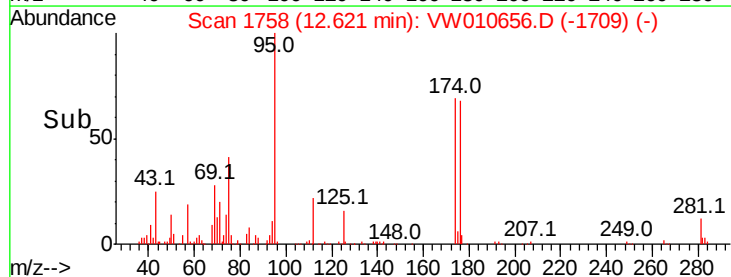
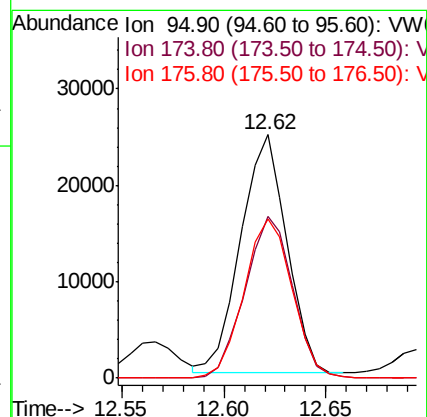
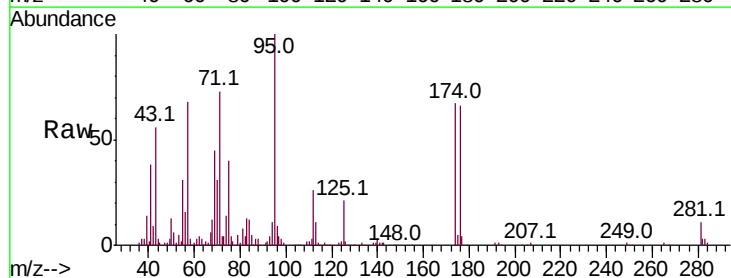
Tgt Ion: 95 Resp: 38777

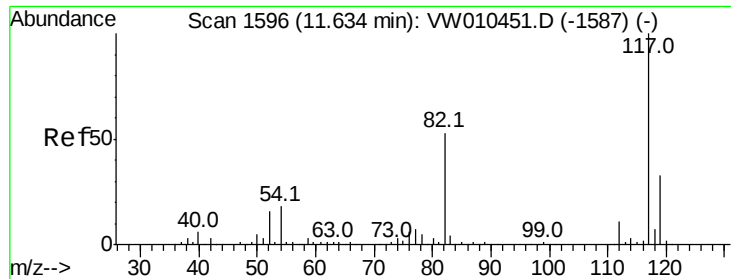
Ion Ratio Lower Upper

95 100

174 70.3 0.0 148.6

176 69.9 0.0 144.2





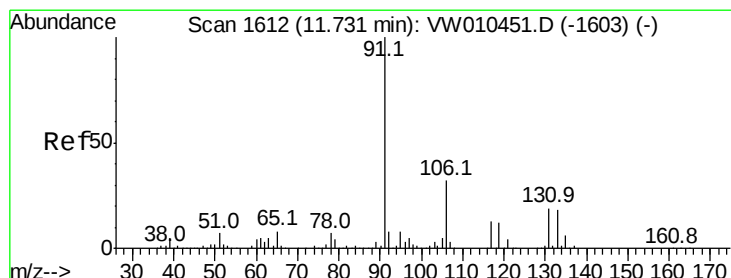
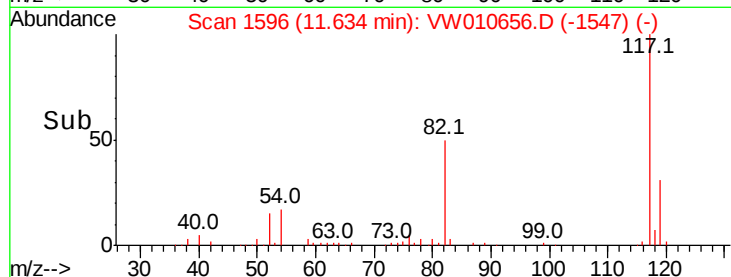
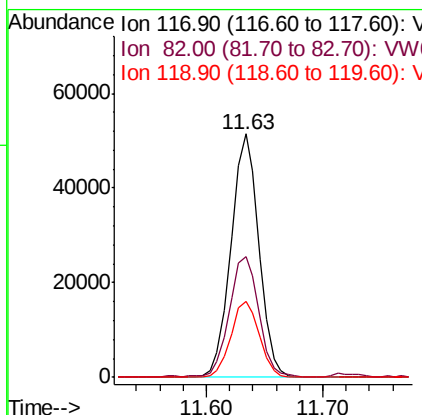
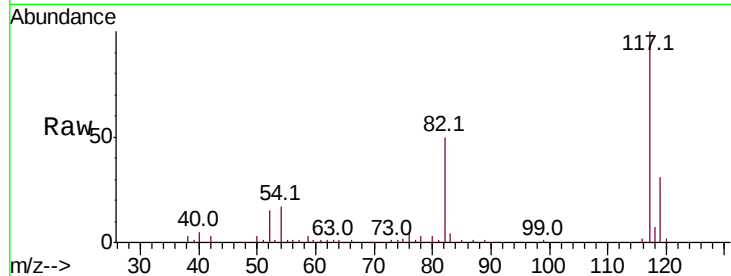
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.0	42.8	64.2
119	31.3	26.3	39.5

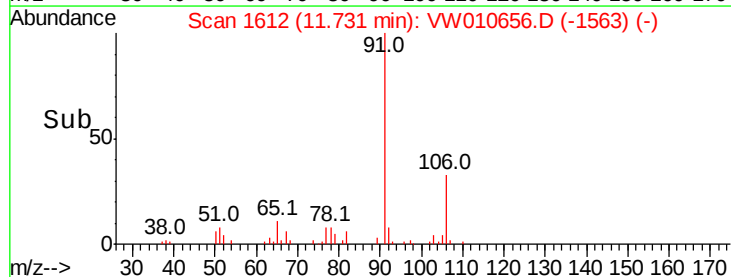
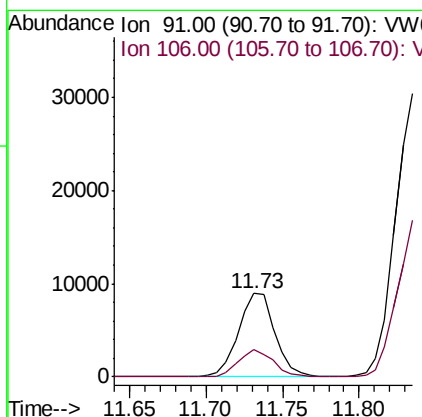
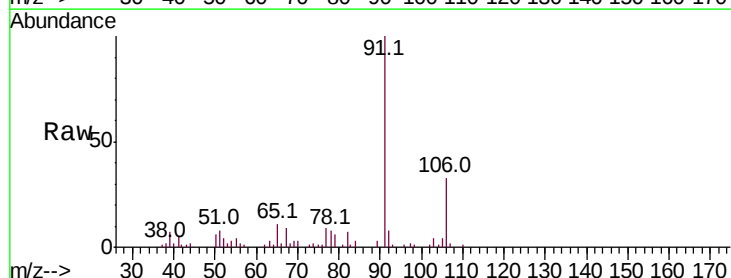
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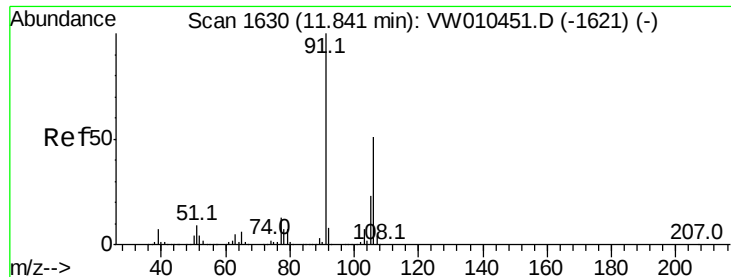
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#67
Ethyl Benzene
Concen: 4.631 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	25.9	38.9





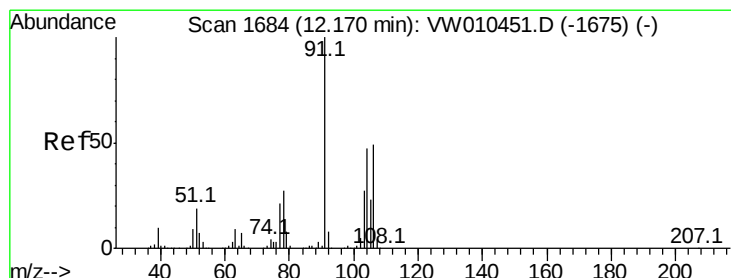
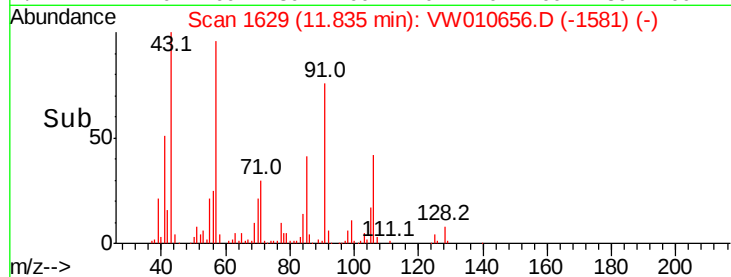
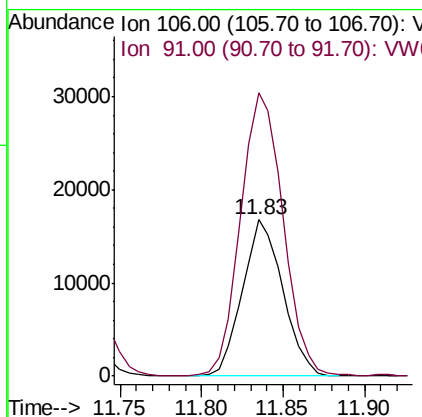
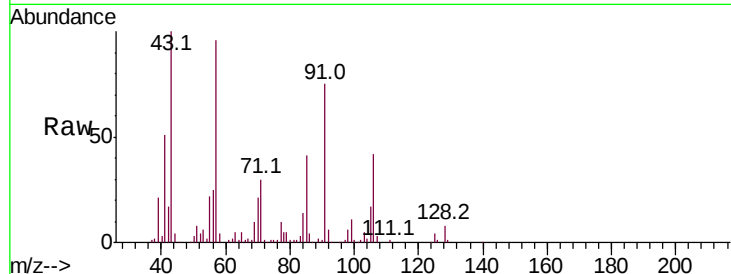
#68
m/p-Xvlenes
Concen: 22.898 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Tot Ion:106 Resp: 28933
Ion Ratio Lower Upper
106 100
91 189.1 156.0 234.0

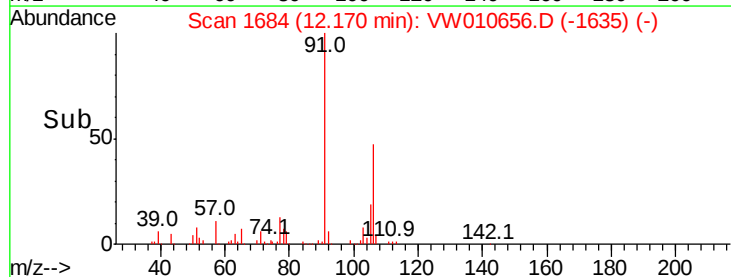
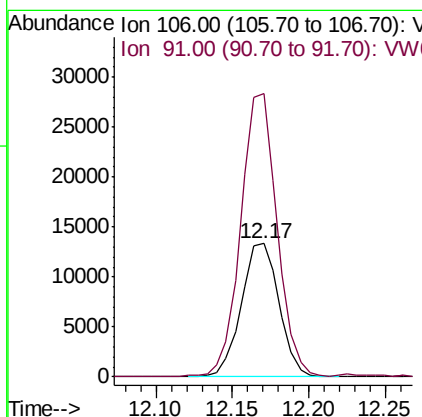
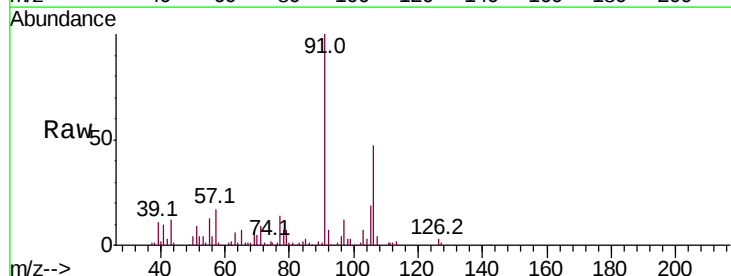
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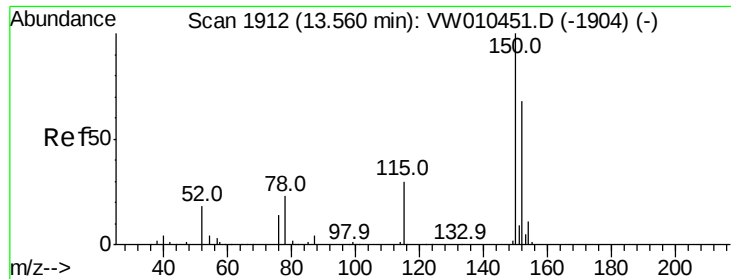
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#69
o-Xylene
Concen: 19.098 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Tgt Ion:106 Resp: 22864
Ion Ratio Lower Upper
106 100
91 204.6 103.2 309.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRI-DRUMRE

Tot Ion:152 Resp: 27122

Ion Ratio Lower Upper

152 100

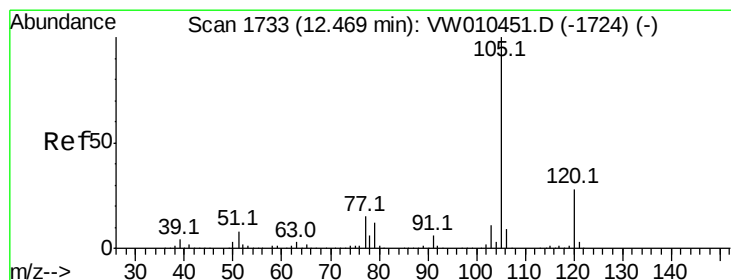
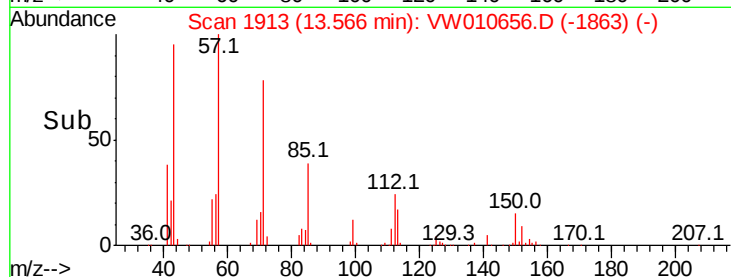
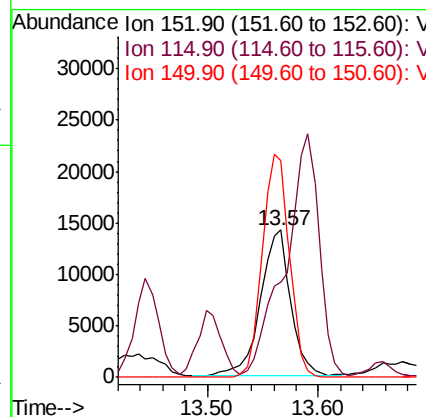
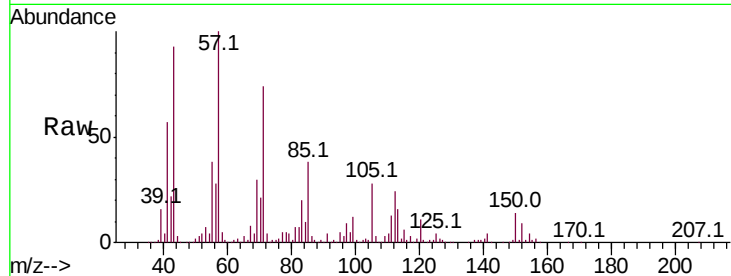
115 0.0 30.3 91.0#

150 135.6 0.0 349.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 9.709 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010656.D

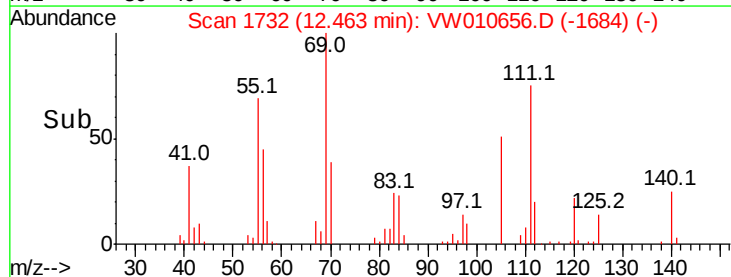
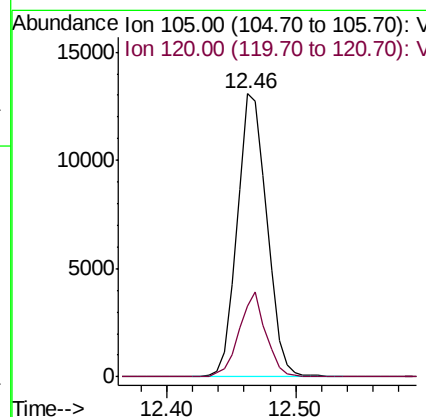
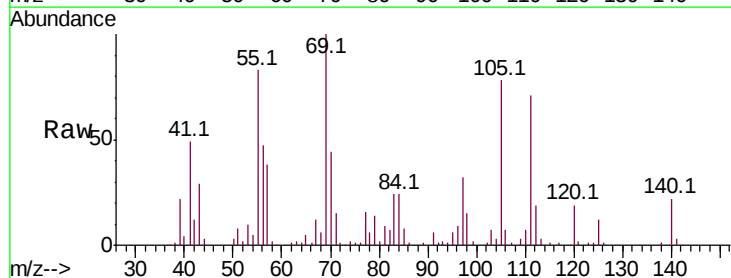
Acq: 03 Jun 2019 13:42

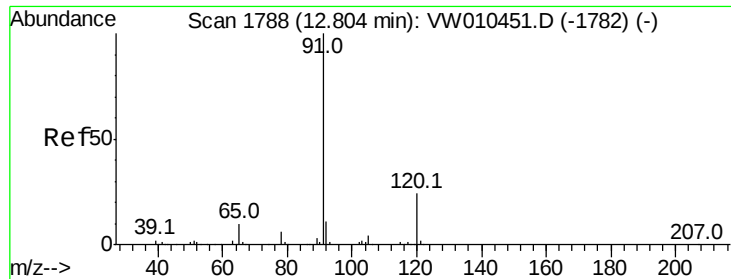
Tgt Ion:105 Resp: 20896

Ion Ratio Lower Upper

105 100

120 26.8 13.9 41.7





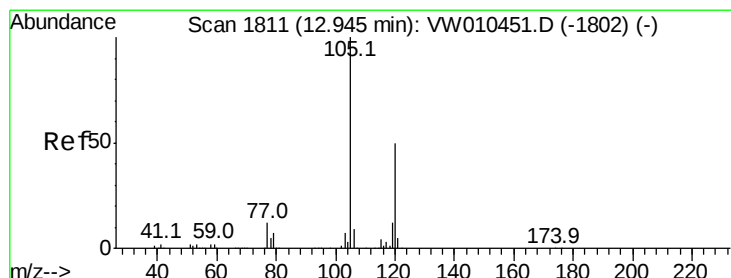
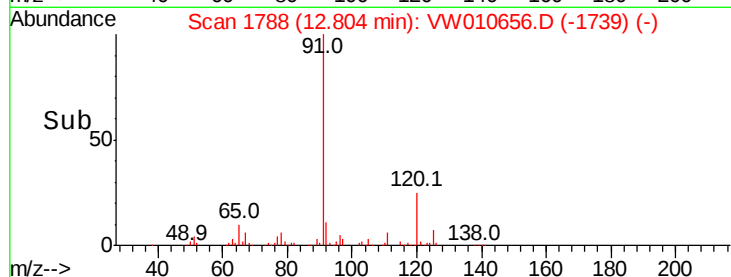
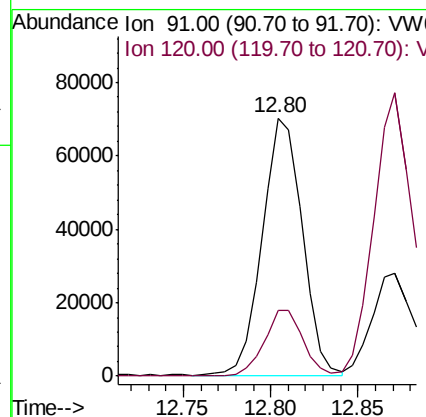
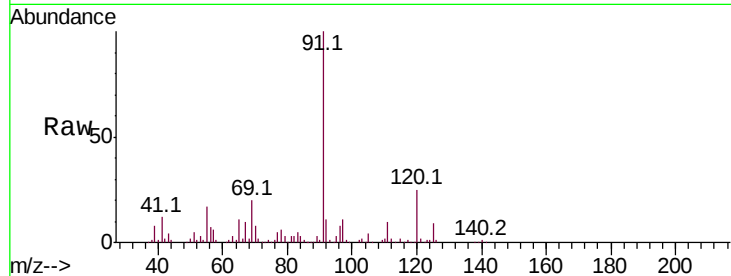
#78
n-propylbenzene
Concen: 44.253 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Tot Ion	Ratio	Lower	Upper
91	100		
120	24.9	12.3	36.8

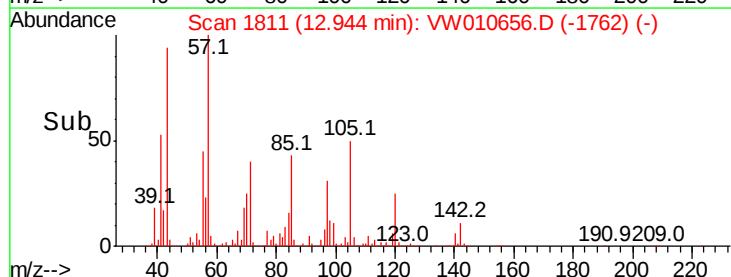
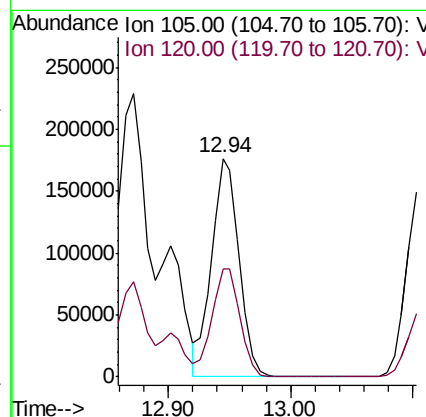
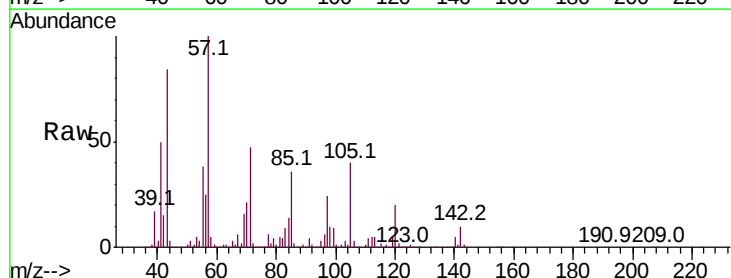
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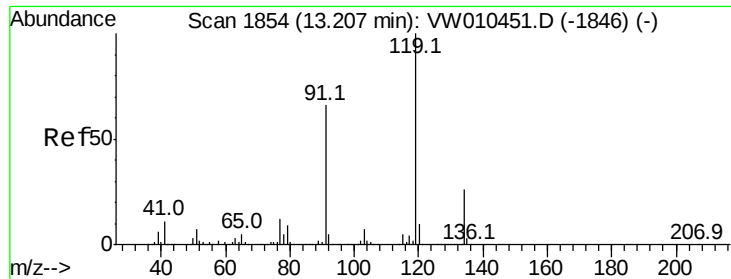
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 151.181 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	25.2	75.6





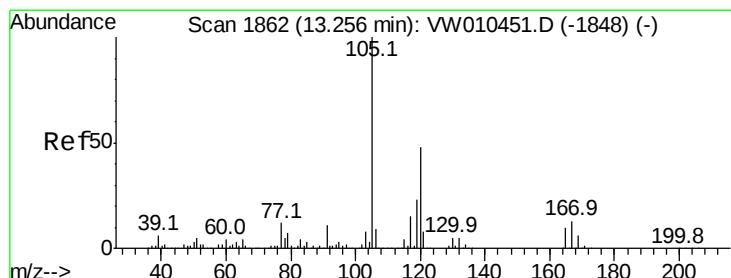
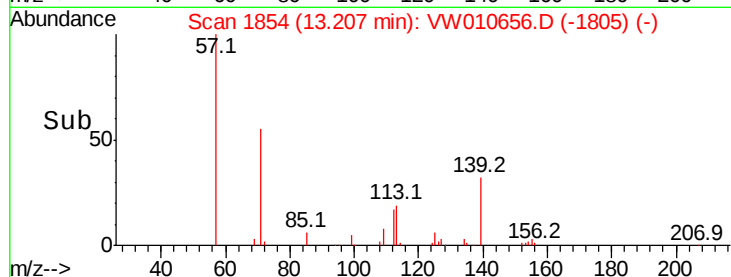
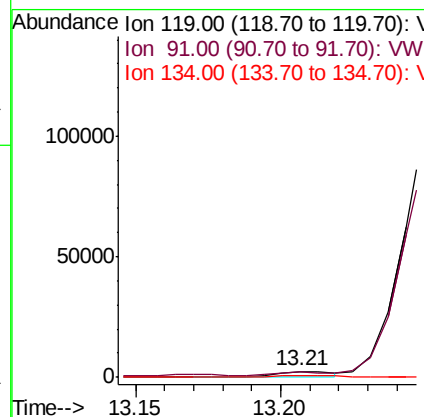
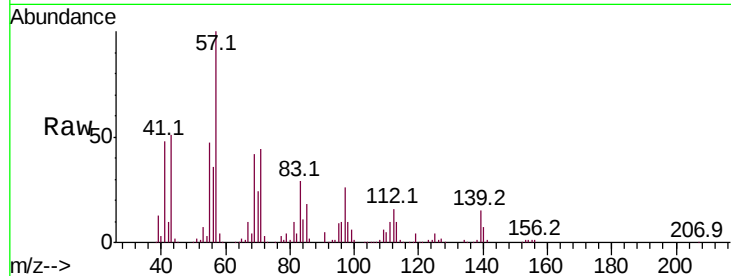
#83
tert-Butylbenzene
Concen: 2.101 ug/l m
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Tot Ion:119 Resp: 3346
Ion Ratio Lower Upper
119 100
91 4387.1 33.1 99.5
134 0.0 13.9 41.6#

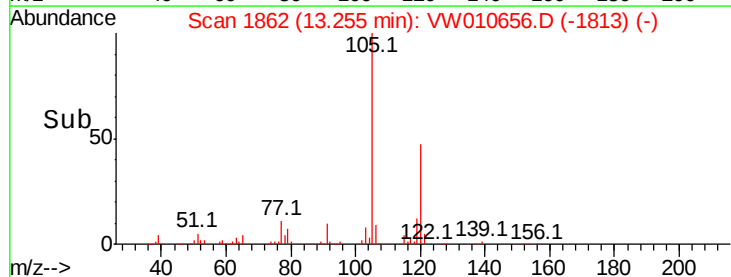
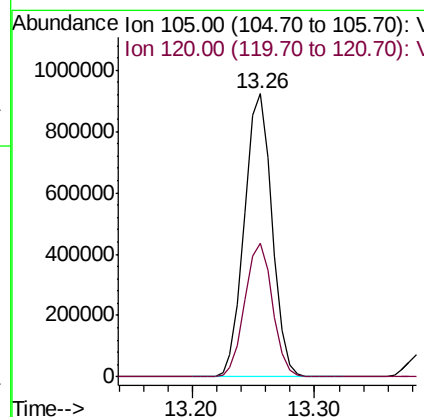
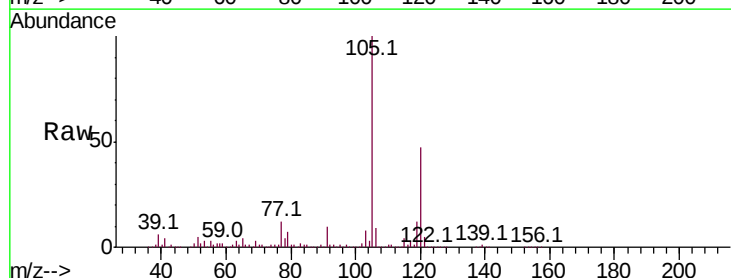
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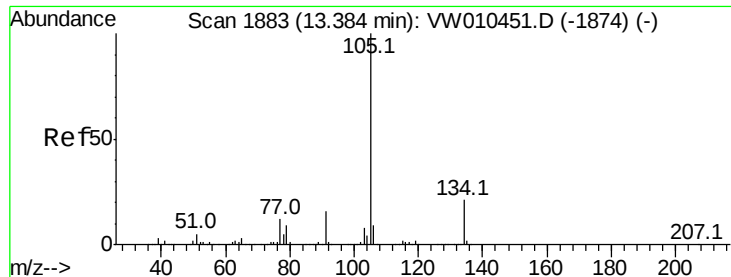
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#84
1,2,4-Trimethylbenzene
Concen: 795.709 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Tgt Ion:105 Resp: 1444577
Ion Ratio Lower Upper
105 100
120 47.4 23.4 70.2





#85

sec-Butylbenzene

Concen: 52.752 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRI-DRUMRE

Tot Ion:105 Resp: 117542

Ion Ratio Lower Upper

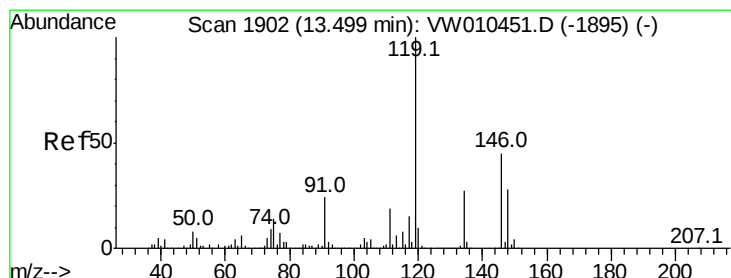
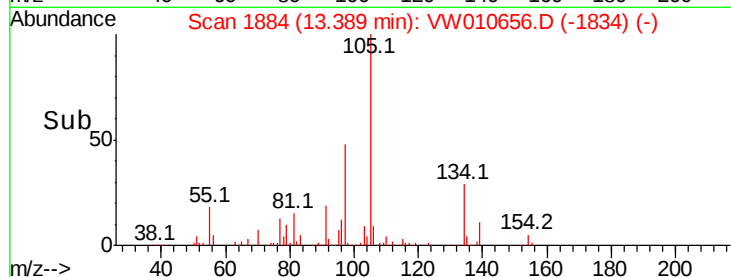
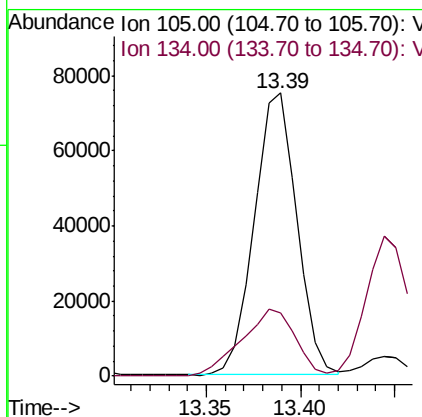
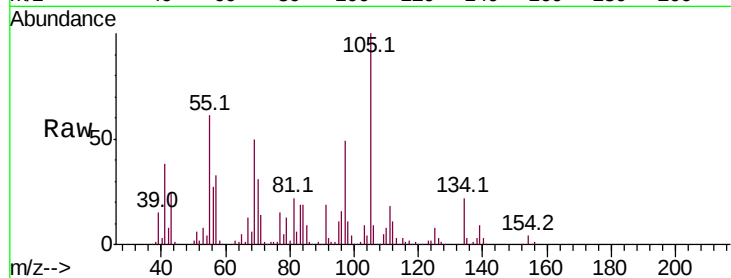
105 100

134 30.3 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 61.591 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010656.D

Acq: 03 Jun 2019 13:42

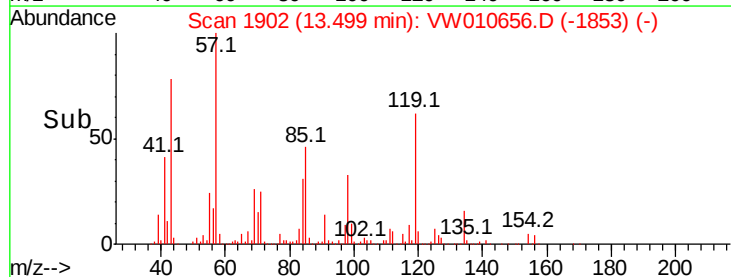
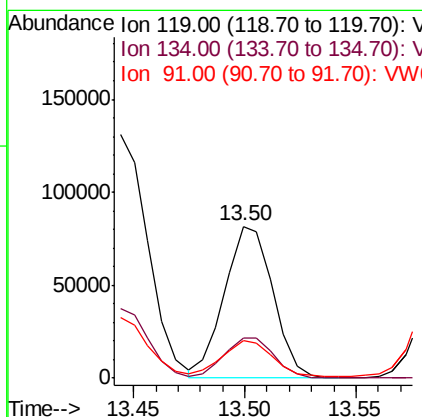
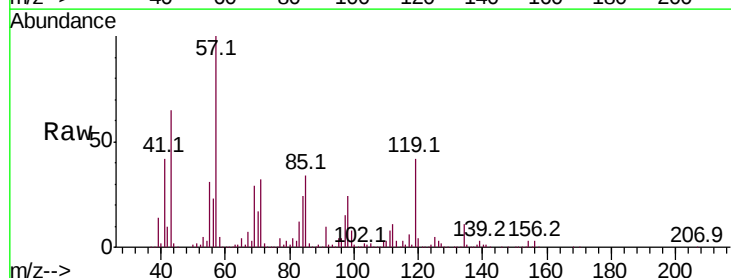
Tgt Ion:119 Resp: 124218

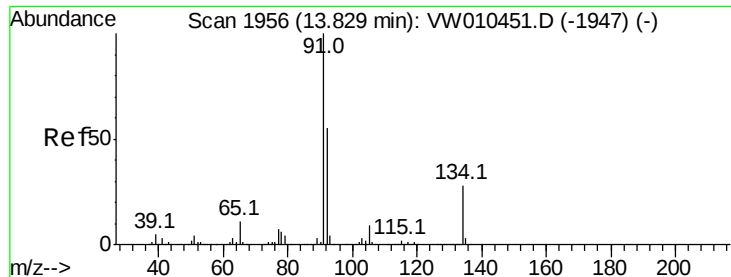
Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.7

91 23.7 11.9 35.7





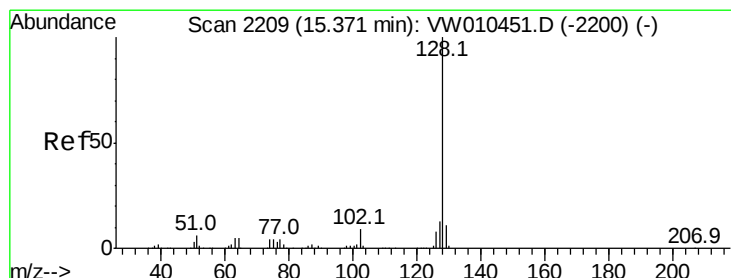
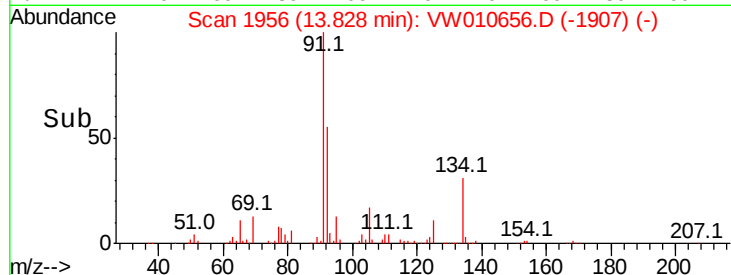
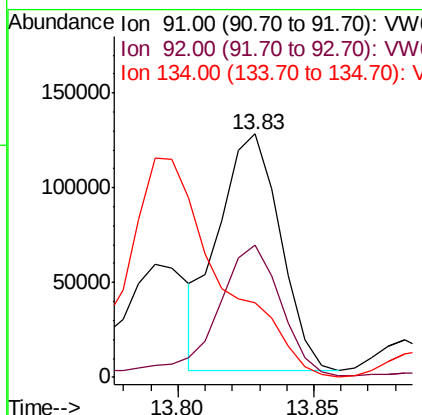
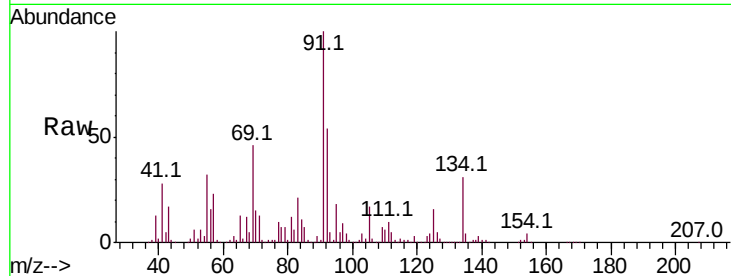
#89
n-Butylbenzene
Concen: 101.640 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRI-DRUMRE

Tot Ion	Ratio	Resp	Lower	Upper
91	100	194983		
92	57.9	27.7	83.1	
134	0.0	13.9	41.6#	

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#95
Naphthalene
Concen: 231.532 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010656.D
Acq: 03 Jun 2019 13:42

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	284709		
127	14.1	10.6	15.8	
129	10.9	8.9	13.3	

