

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009101.D
 Acq On : 11 Mar 2019 21:46
 Operator : SY/VA
 Sample : K1822-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 3-8-BOD

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:16:03 PM

Quant Time: Mar 12 09:10:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	264048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	398897m	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	164370	61.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.74%	
35) Dibromofluoromethane	7.88	113	134223	53.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.90%	
50) Toluene-d8	10.32	98	538064	52.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.62	95	252339	62.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.30%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.34	83	88296	16.999	ug/l	99
40) Benzene	8.32	78	27511	2.363	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	90976	46.973	ug/l	100
52) Toluene	10.38	92	59812	7.576	ug/l	100
67) Ethyl Benzene	11.73	91	479789	39.665	ug/l	99
68) m/p-Xylenes	11.84	106	1590007	333.022	ug/l	98
69) o-Xylene	12.16	106	803418	180.851	ug/l	96
73) Isopropylbenzene	12.46	105	384653	13.466	ug/l	98
78) n-propylbenzene	12.80	91	1220675	34.692	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	4474272	181.711	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	11768072	472.457	ug/l	97
85) sec-Butylbenzene	13.39	105	854975	27.787	ug/l #	77
86) p-Isopropyltoluene	13.51	119	891538	32.390	ug/l	99
95) Naphthalene	15.37	128	5722932	427.761	ug/l	100

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

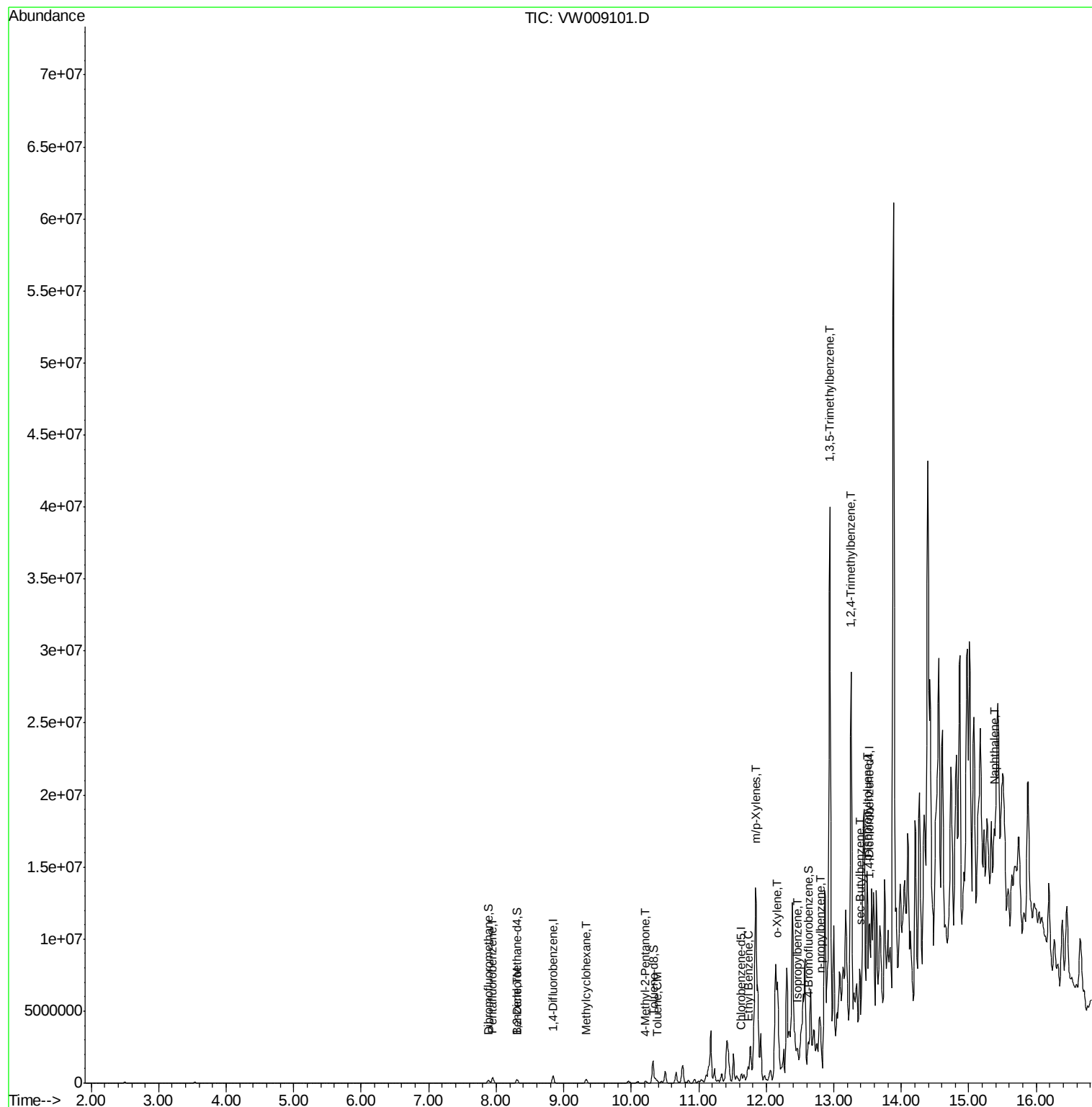
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031119\
Data File : VW009101.D
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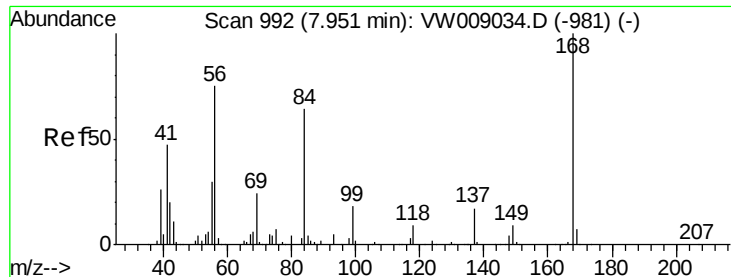
Instrument :
MSVOA_W
ClientSampled :
3-8-BOD

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Quant Time: Mar 12 09:10:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

3-8-BOD

Tot Ion:168 Resp: 264048

Ion Ratio Lower Upper

168 100

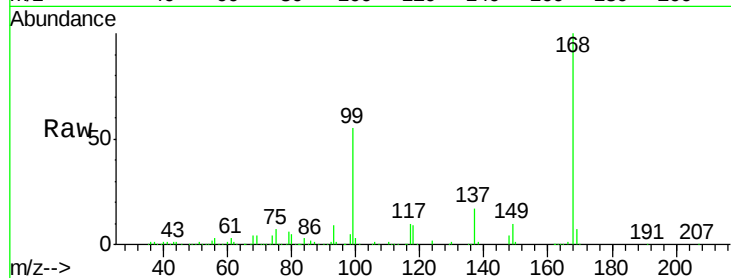
99 55.0 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

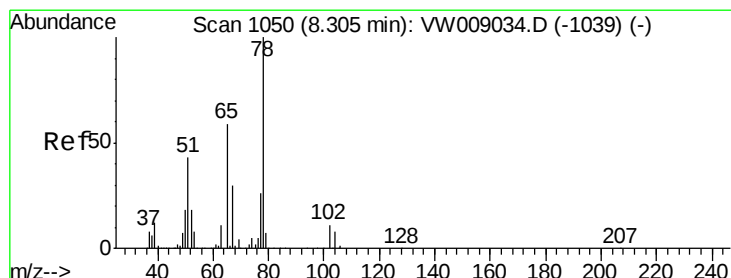
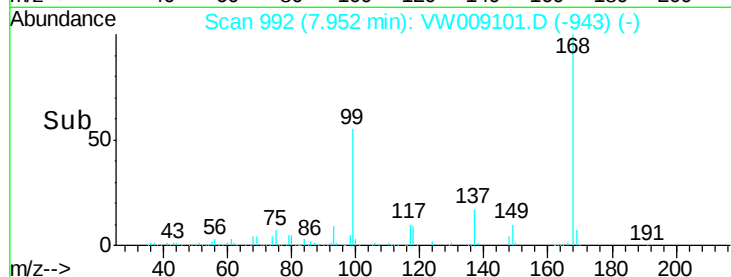
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#33

1,2-Dichloroethane-d4

Concen: 61.873 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009101.D

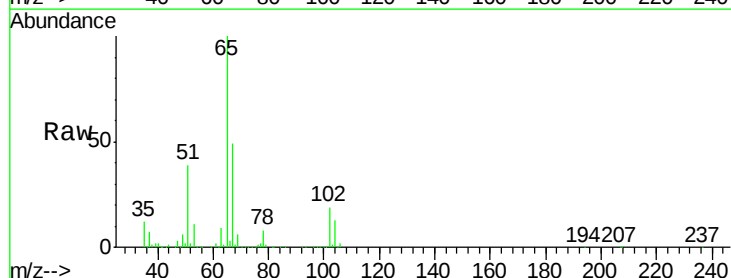
Acq: 11 Mar 2019 21:46

Tgt Ion: 65 Resp: 164370

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

80000

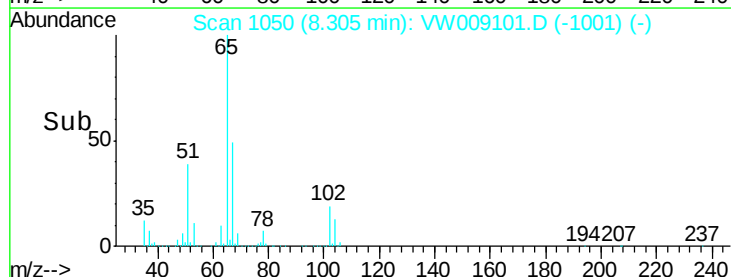
60000

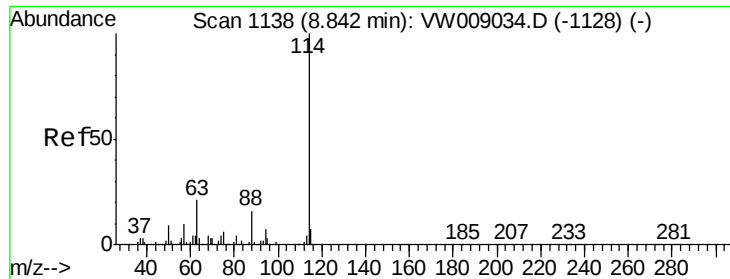
40000

20000

0

Time--> 8.20 8.30 8.40





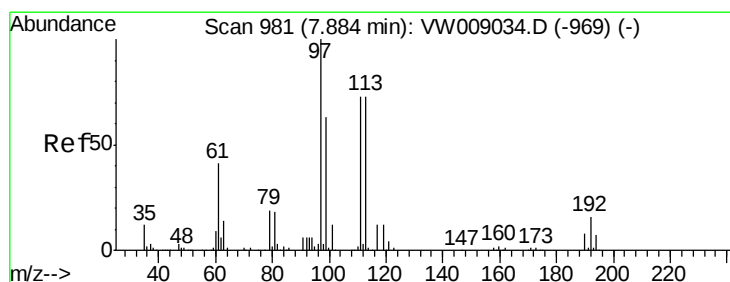
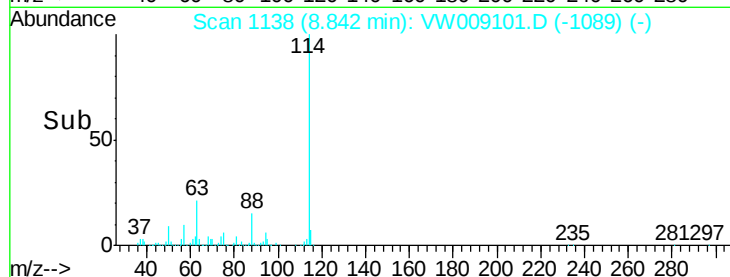
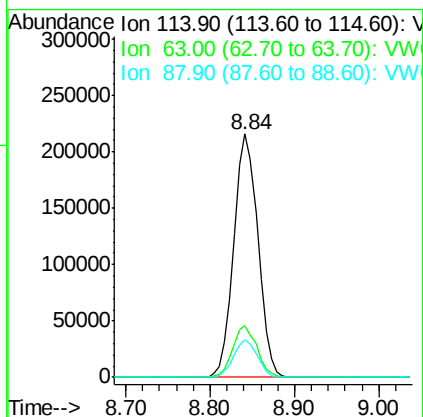
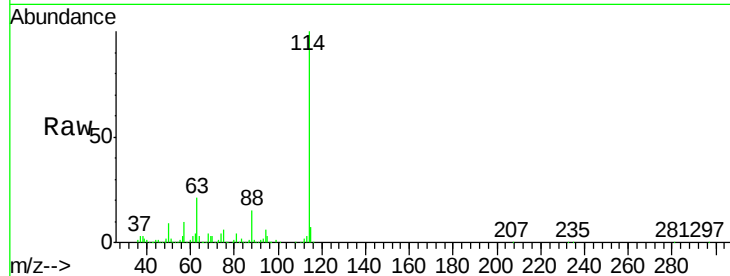
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampled :
3-8-BOD

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.3	0.0	41.2
88	15.5	0.0	31.2

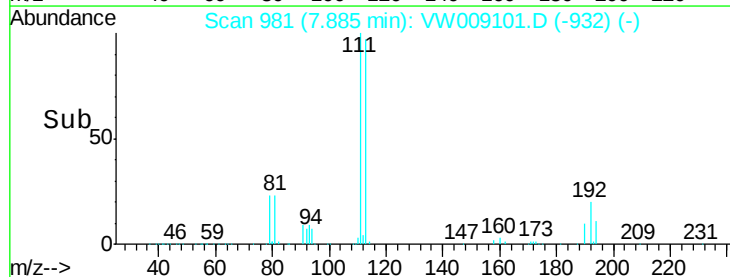
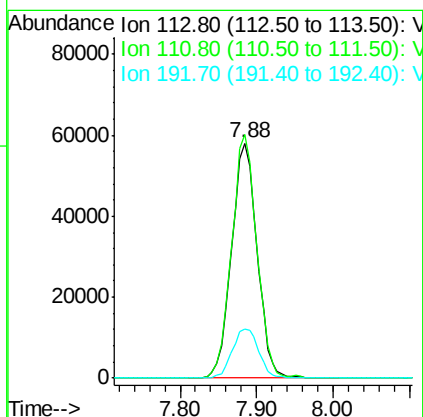
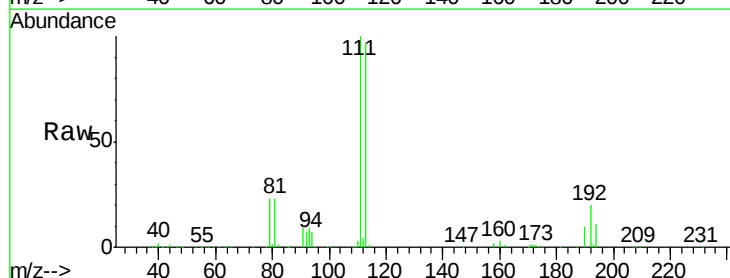
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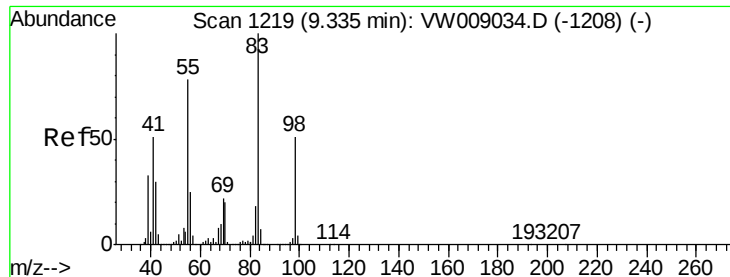
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#35
Dibromofluoromethane
Concen: 53.452 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.5	81.0	121.4
192	21.6	17.1	25.7





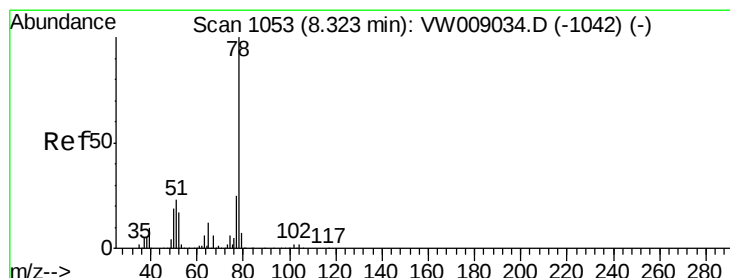
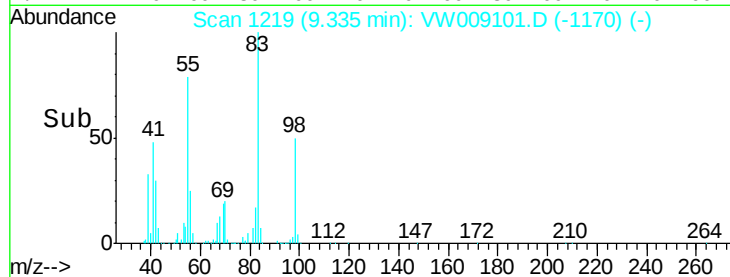
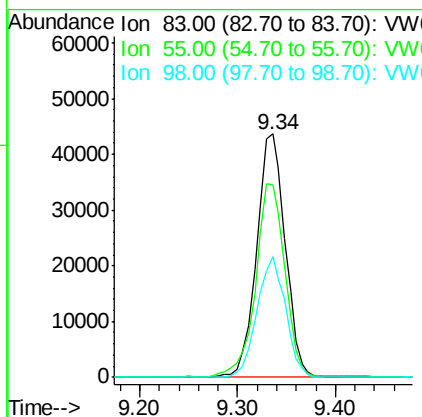
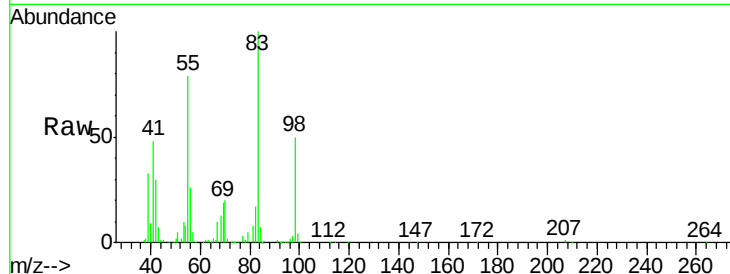
#39
Methvlcvclohexane
Concen: 16.999 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.5	62.7	94.1
98	49.5	40.8	61.2

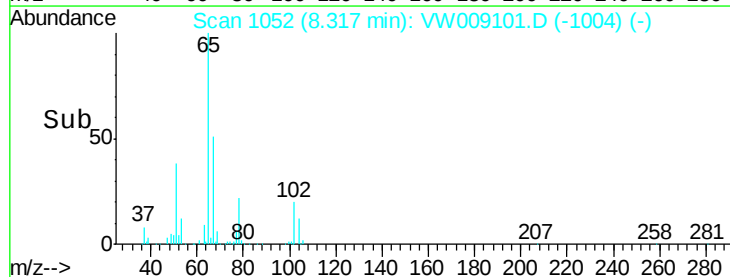
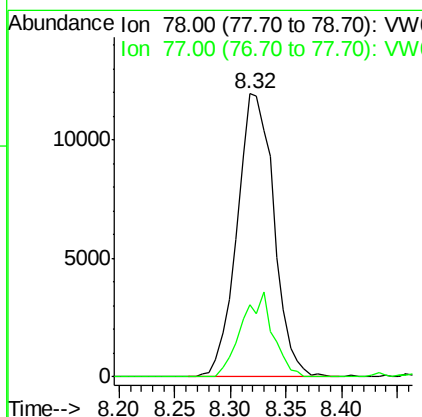
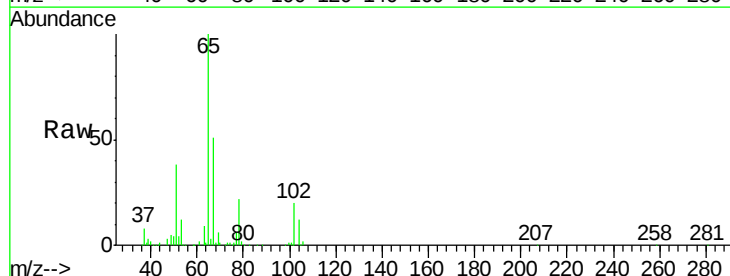
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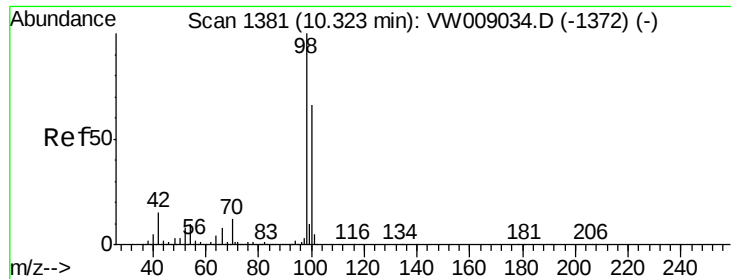
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#40
Benzene
Concen: 2.363 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	20.2	30.4





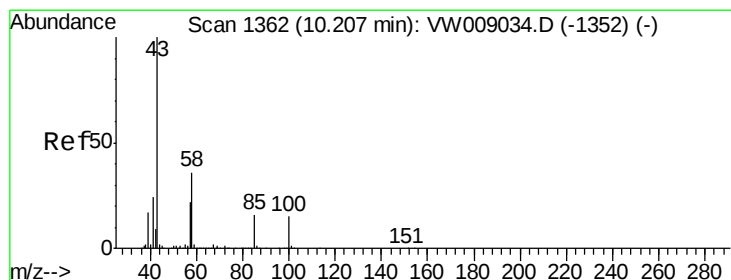
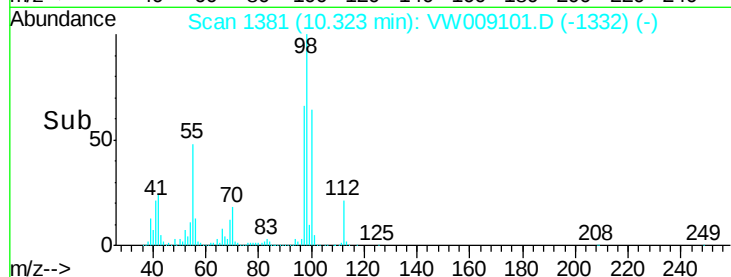
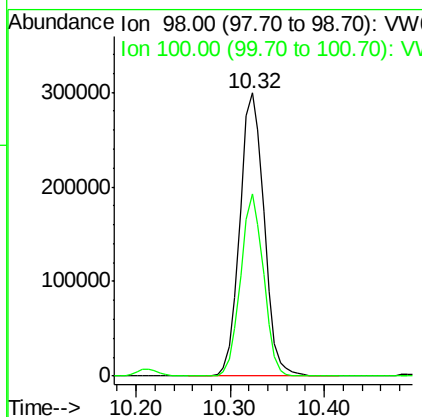
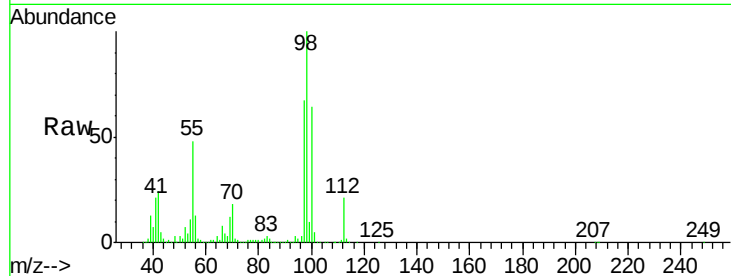
#50
Toluene-d8
Concen: 52.171 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion: 98 Resp: 538064
Ion Ratio Lower Upper
98 100
100 60.7 51.9 77.9

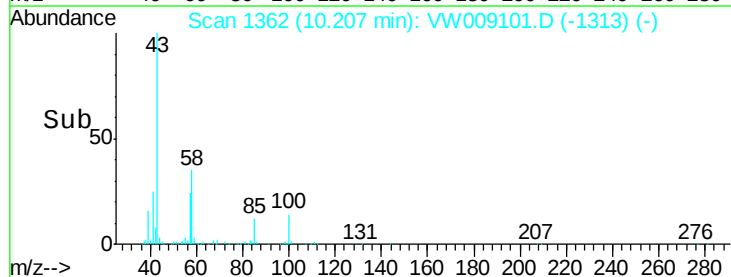
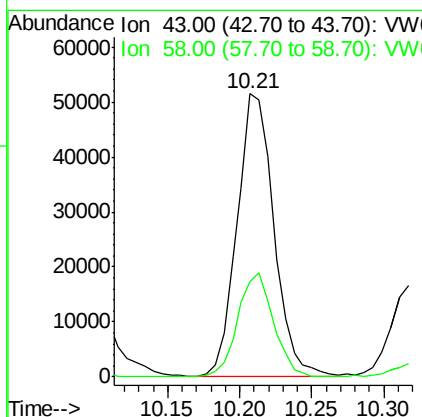
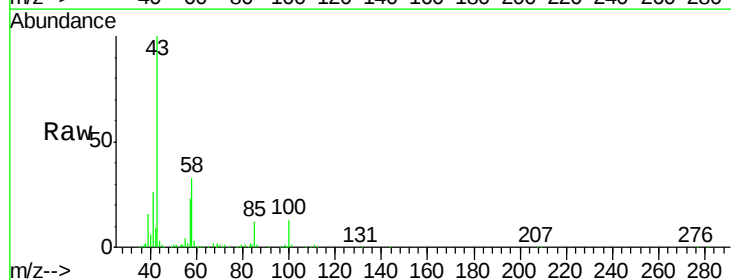
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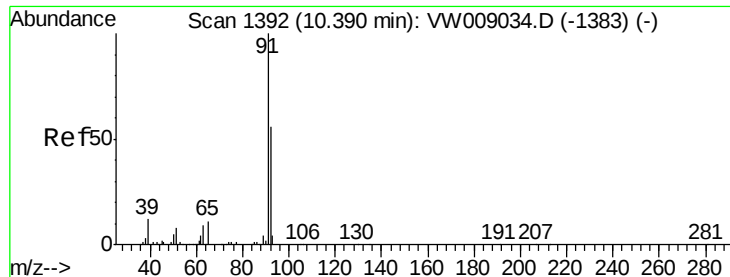
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#51
4-Methyl-2-Pentanone
Concen: 46.973 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion: 43 Resp: 90976
Ion Ratio Lower Upper
43 100
58 35.9 28.8 43.2





#52

Toluene

Concen: 7.576 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampleId :

3-8-BOD

Tot Ion: 92 Resp: 59812

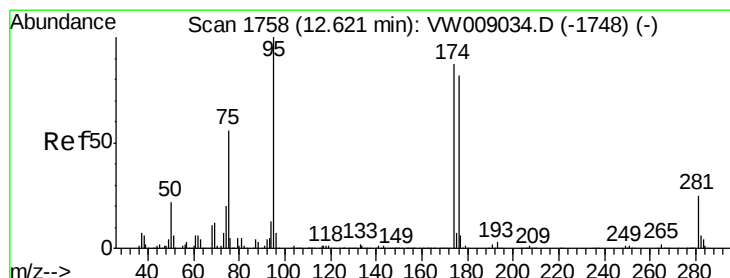
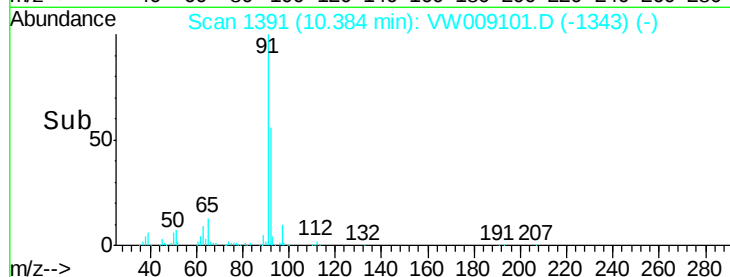
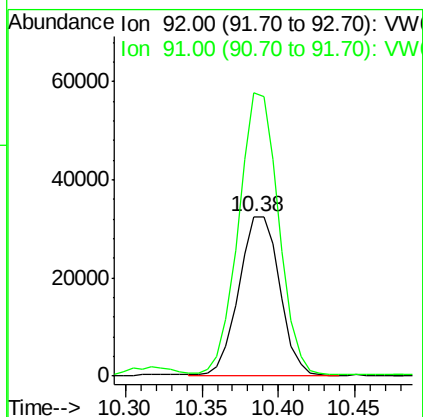
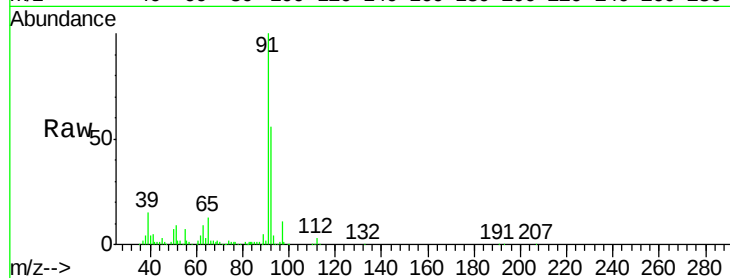
Ion Ratio Lower Upper

92 100

91 174.6 139.9 209.9

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 62.152 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

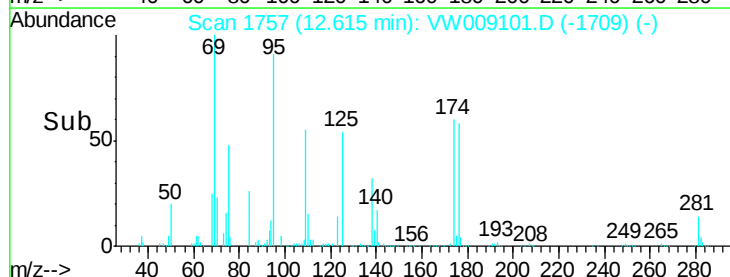
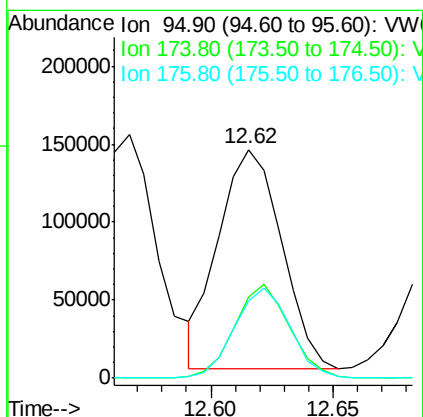
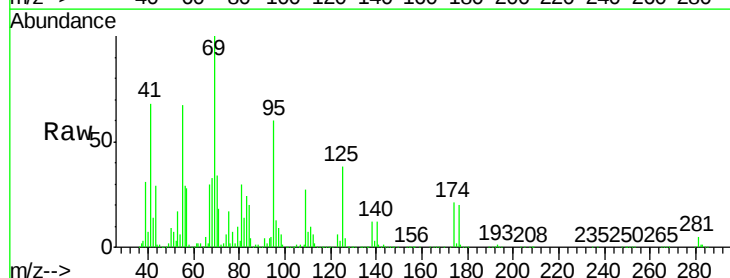
Tgt Ion: 95 Resp: 252339

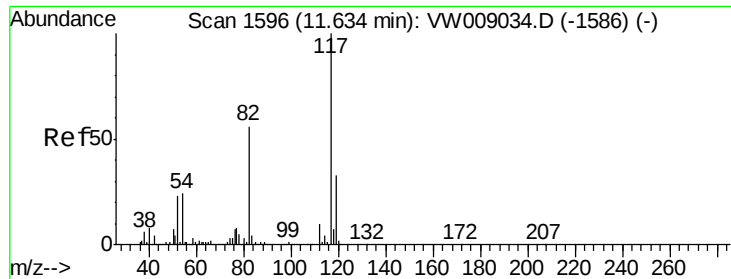
Ion Ratio Lower Upper

95 100

174 37.3 0.0 167.0

176 36.4 0.0 159.4





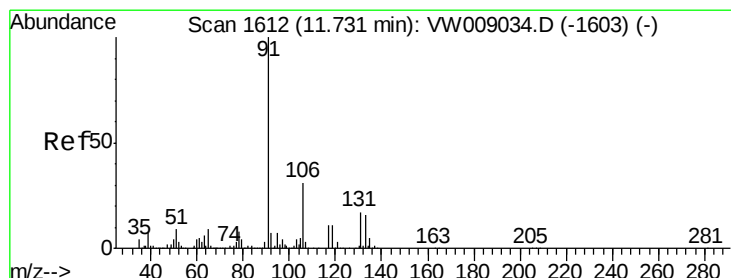
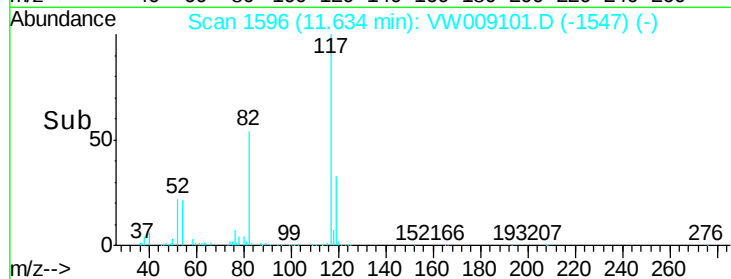
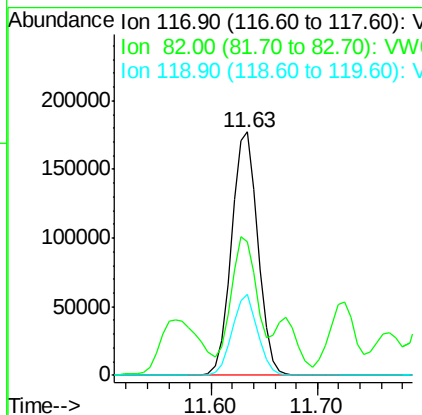
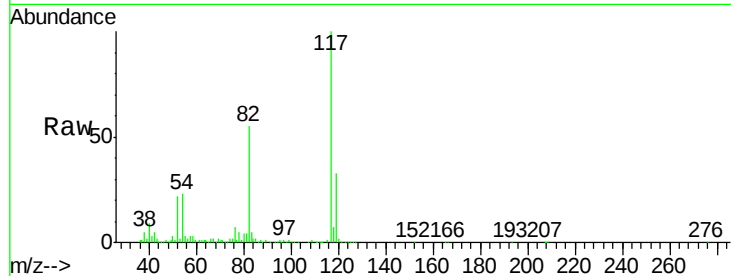
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion	Ratio	Lower	Upper
117	100		
82	35.3	45.0	67.6#
119	33.1	26.6	39.8

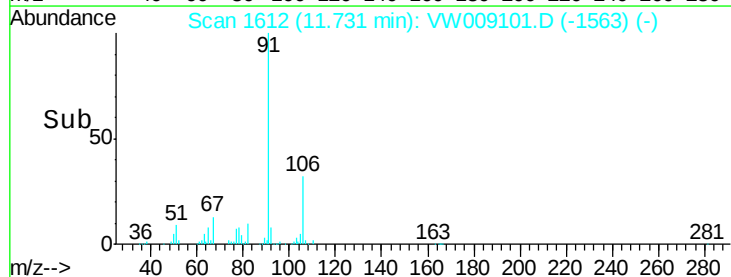
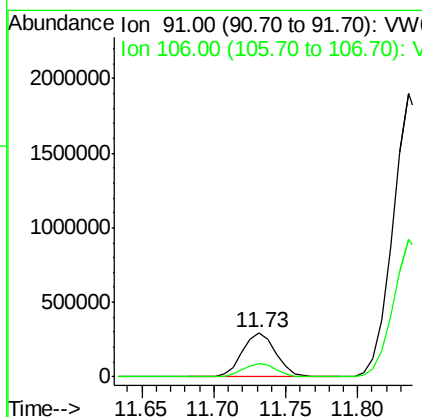
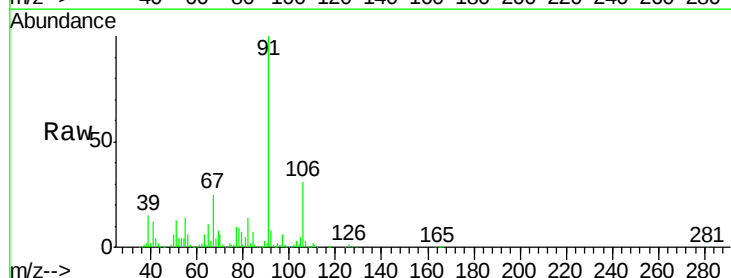
Manual Integrations
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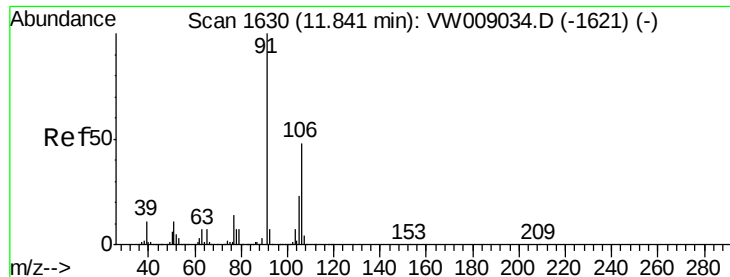
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#67
Ethyl Benzene
Concen: 39.665 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.4





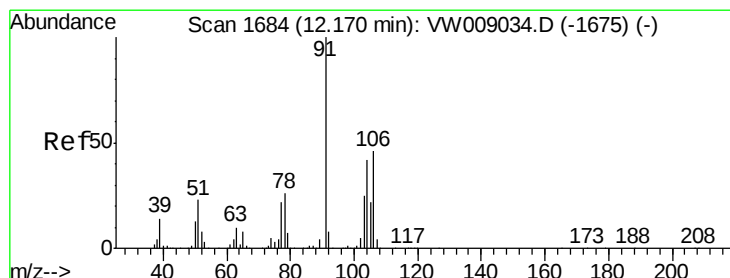
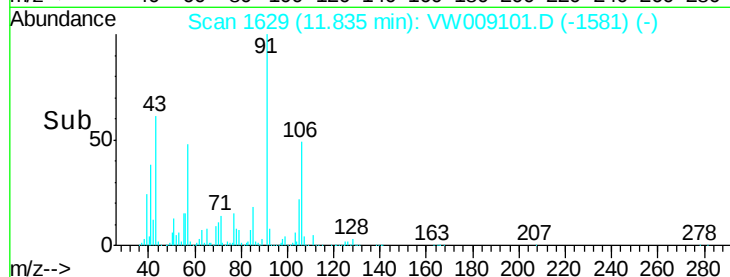
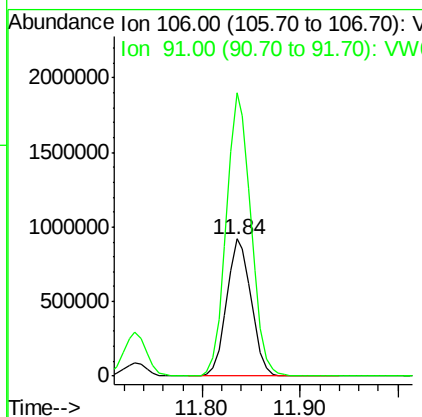
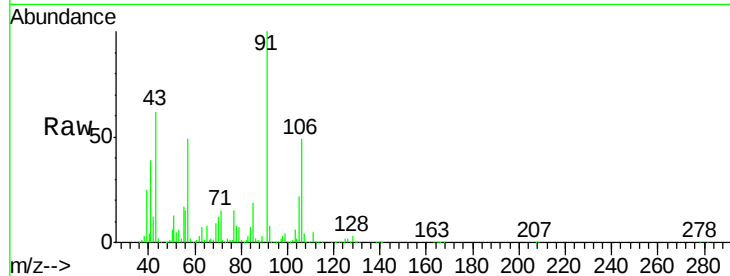
#68
m/p-Xylenes
Concen: 333.022 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion:106 Resp: 1590007
Ion Ratio Lower Upper
106 100
91 207.6 163.2 244.8

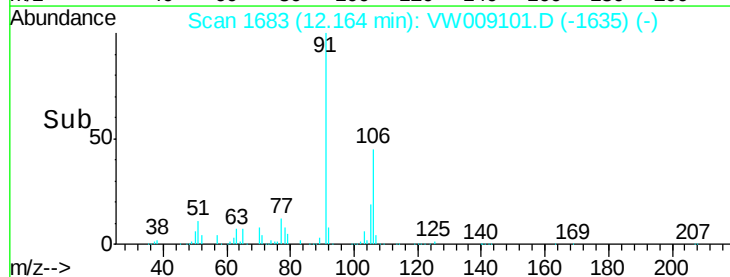
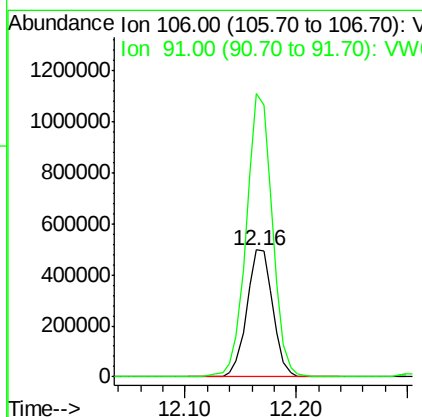
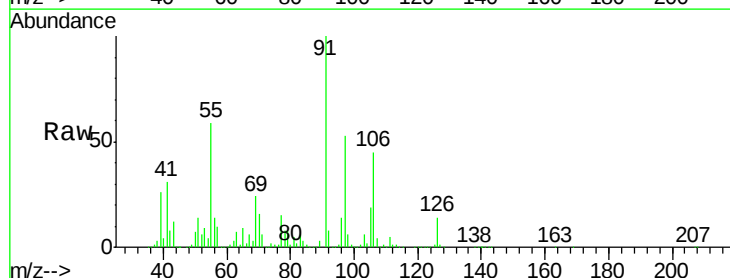
Manual Integrations
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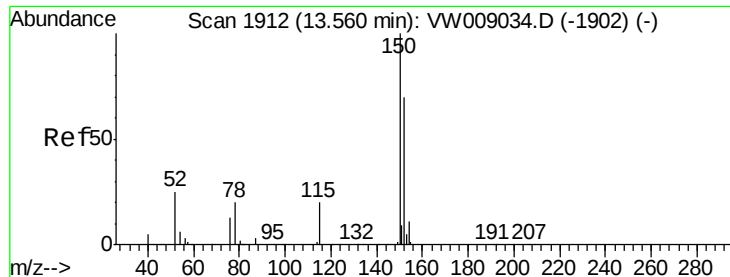
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#69
o-Xylene
Concen: 180.851 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:106 Resp: 803418
Ion Ratio Lower Upper
106 100
91 224.3 108.6 325.6





#72

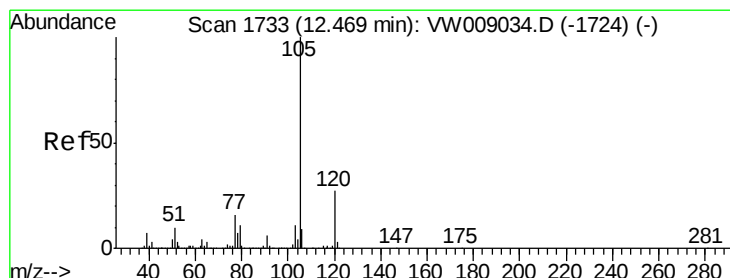
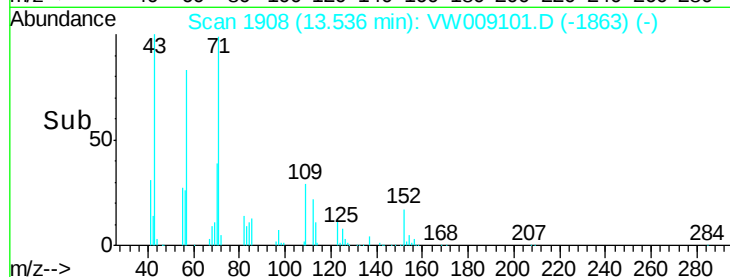
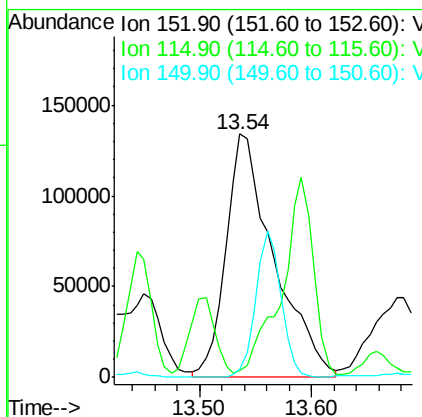
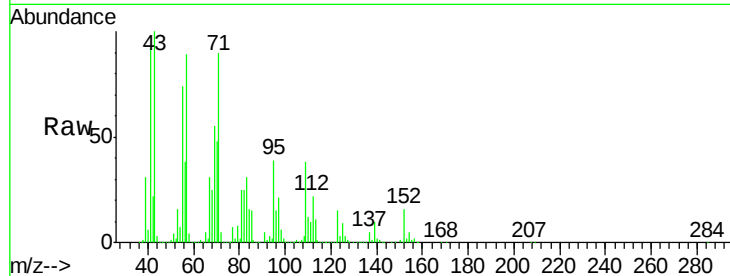
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.54 min Scan# 1908
Delta R.T. -0.02 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion	Ratio	Lower	Upper
152	100		
115	25.2	28.9	86.7#
150	1.6	0.0	349.2

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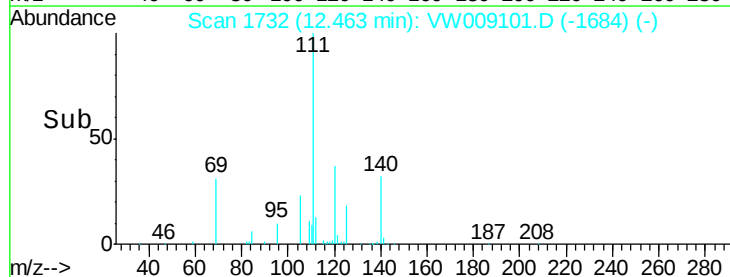
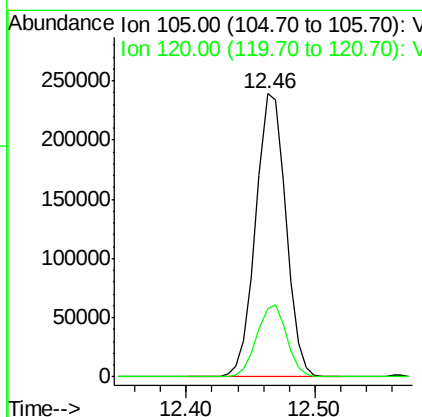
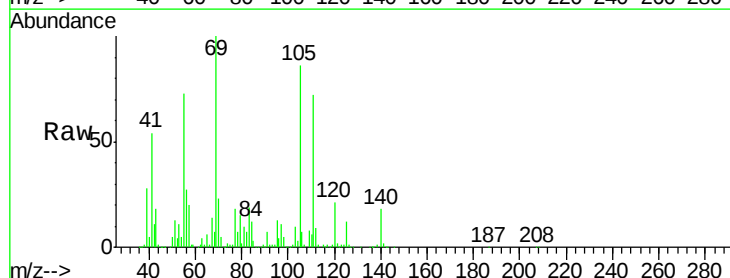
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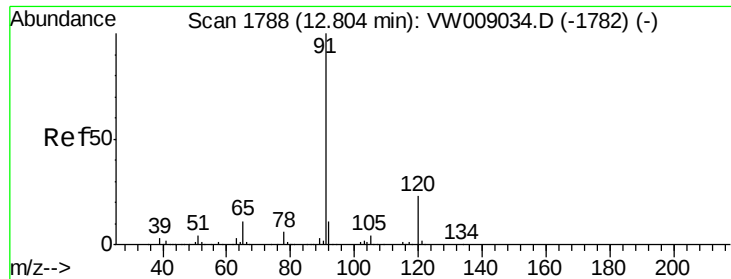


#73

Isopropylbenzene
Concen: 13.466 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.6





#78

n-propylbenzene

Concen: 34.692 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009101.D

Acq: 11 Mar 2019 21:46

Instrument :

MSVOA_W

ClientSampled :

3-8-BOD

Tot Ion: 91 Resp: 1220675

Ion Ratio Lower Upper

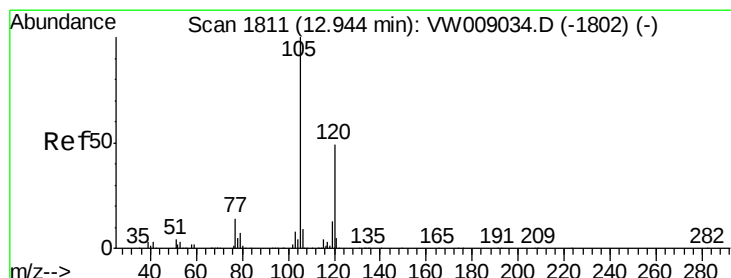
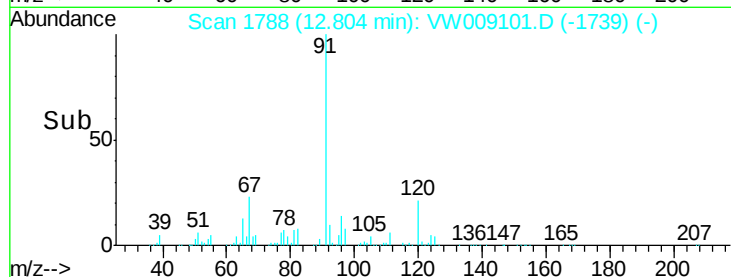
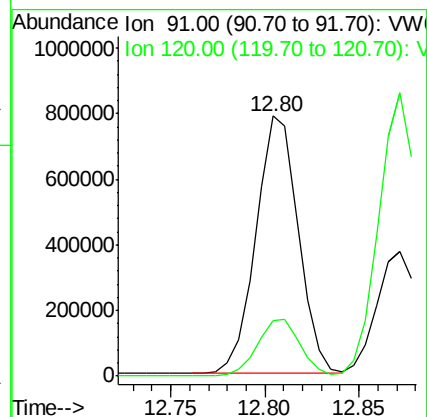
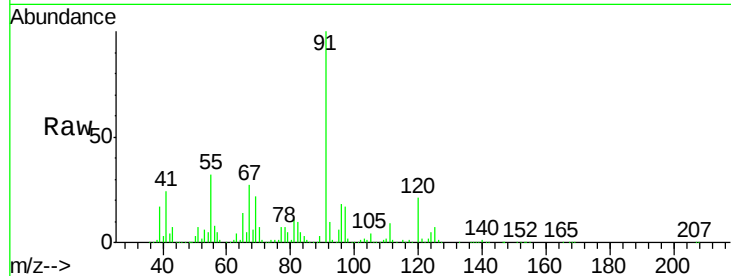
91 100

120 22.3 11.4 34.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 181.711 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009101.D

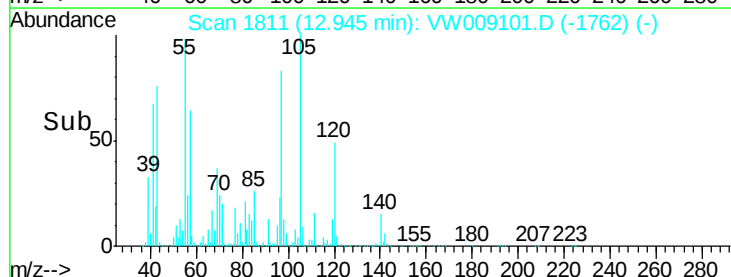
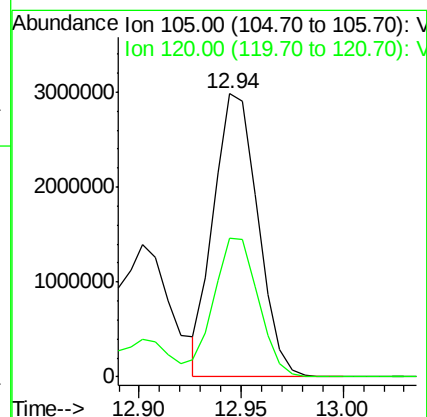
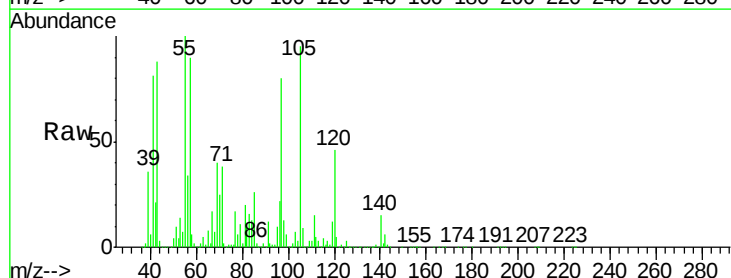
Acq: 11 Mar 2019 21:46

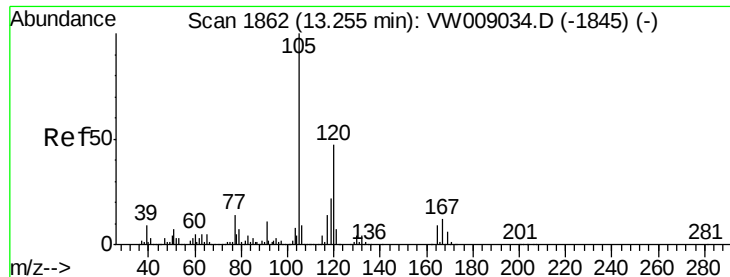
Tgt Ion: 105 Resp: 4474272

Ion Ratio Lower Upper

105 100

120 50.3 24.4 73.2





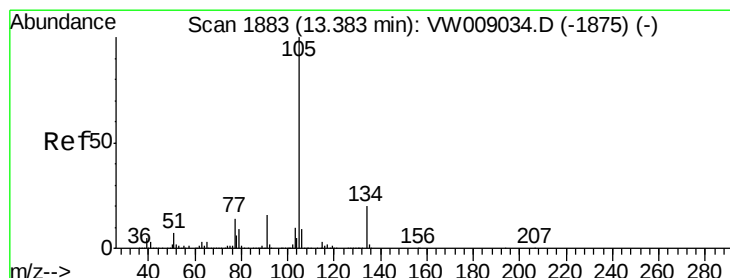
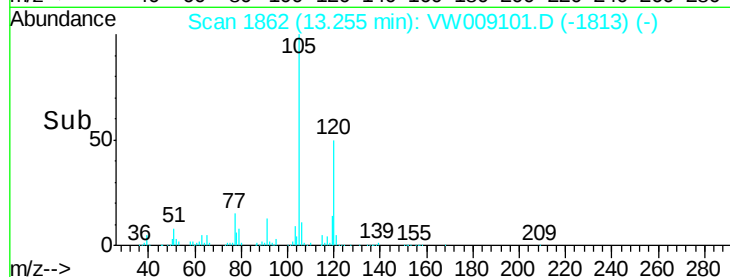
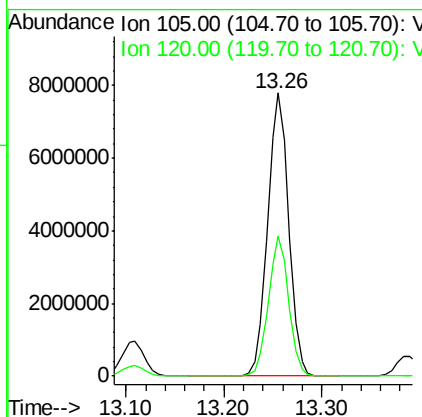
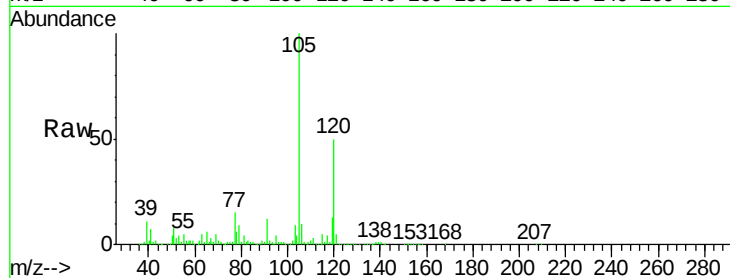
#84
1,2,4-Trimethylbenzene
Concen: 472.457 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion:105 Resp:11768072
Ion Ratio Lower Upper
105 100
120 47.6 22.8 68.4

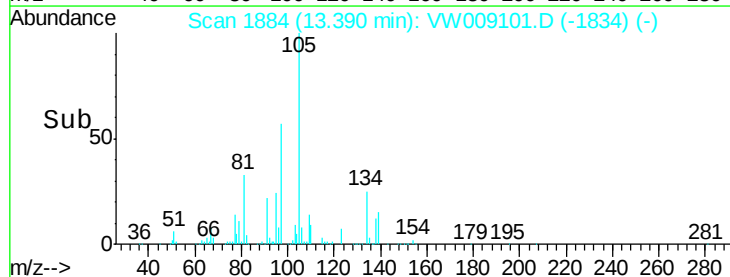
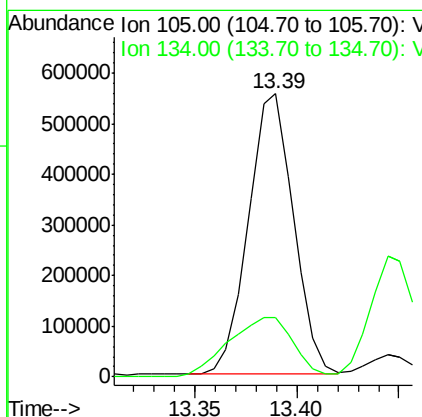
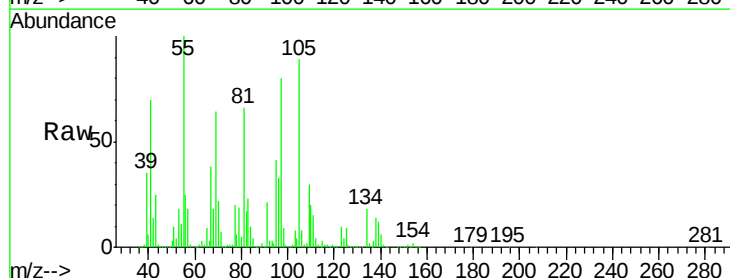
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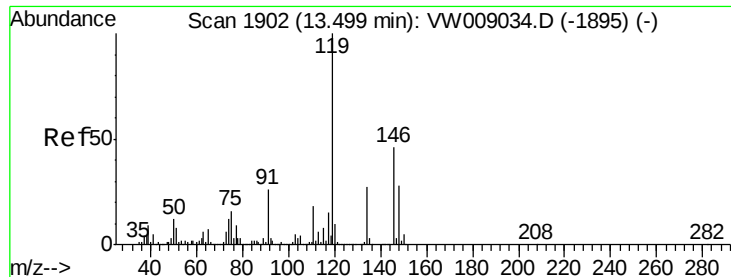
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3/12/2019 1:16:03 PM



#85
sec-Butylbenzene
Concen: 27.787 ug/l
RT: 13.39 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion:105 Resp: 854975
Ion Ratio Lower Upper
105 100
134 30.5 10.0 30.0#





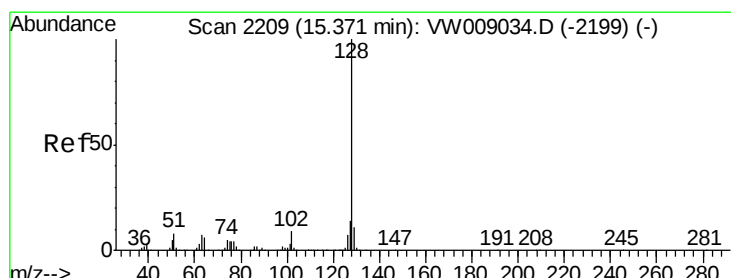
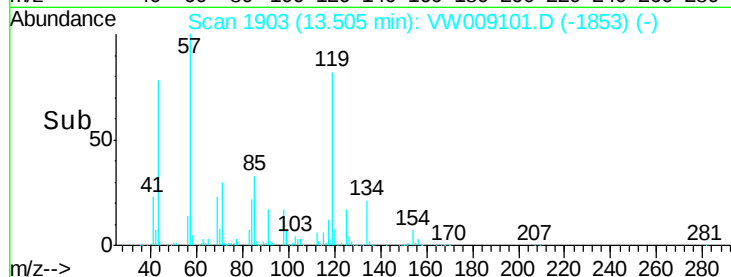
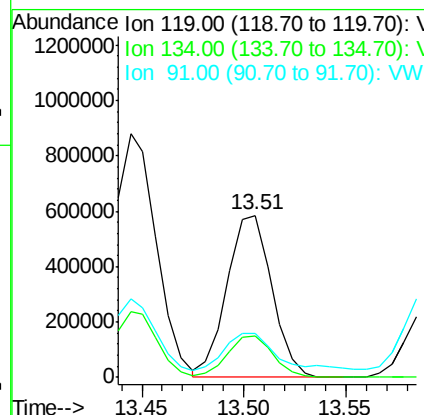
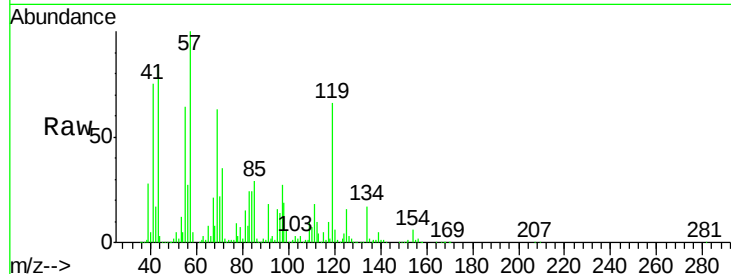
#86
p-Isopropyltoluene
Concen: 32.390 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. 0.01 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Instrument :
MSVOA_W
ClientSampleId :
3-8-BOD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.9
91	25.0	12.3	36.9

Manual Integrations
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#95
Naphthalene
Concen: 427.761 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009101.D
Acq: 11 Mar 2019 21:46

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	11.3	8.8	13.2

