

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100319\
 Data File : VW013421.D
 Acq On : 03 Oct 2019 16:10
 Operator : SY/VA
 Sample : K5176-01
 Misc : 1.49G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 40166

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:07:00 PM

Quant Time: Oct 04 09:41:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469516	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82465	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	129675	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.60%	
35) Dibromofluoromethane	7.88	113	72262	29.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	58.66%	
50) Toluene-d8	10.32	98	511991	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.62	95	114428	33.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.04%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.23	59	150617	721.436	ug/l	100
16) Acetone	4.13	43	264322	361.120	ug/l	98
25) 2-Butanone	7.17	43	105827	112.992	ug/l	92
39) Methylcyclohexane	9.34	83	9769	1.701	ug/l #	88
40) Benzene	8.32	78	327603	26.538	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	248802	130.729	ug/l	97
52) Toluene	10.38	92	535277	67.226	ug/l	99
59) 2-Hexanone	10.97	43	27927m	21.170	ug/l	
67) Ethyl Benzene	11.73	91	236941	20.317	ug/l	99
68) m/p-Xylenes	11.83	106	472696	105.007	ug/l	100
69) o-Xylene	12.16	106	355455	85.403	ug/l	98
73) Isopropylbenzene	12.46	105	49745	8.247	ug/l	86
78) n-propylbenzene	12.80	91	51553	7.430	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	184054	36.731	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	324513	65.146	ug/l	100
85) sec-Butylbenzene	13.38	105	17480m	2.897	ug/l	
86) p-Isopropyltoluene	13.50	119	12066	2.158	ug/l	92
95) Naphthalene	15.36	128	10907	3.740	ug/l #	95

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

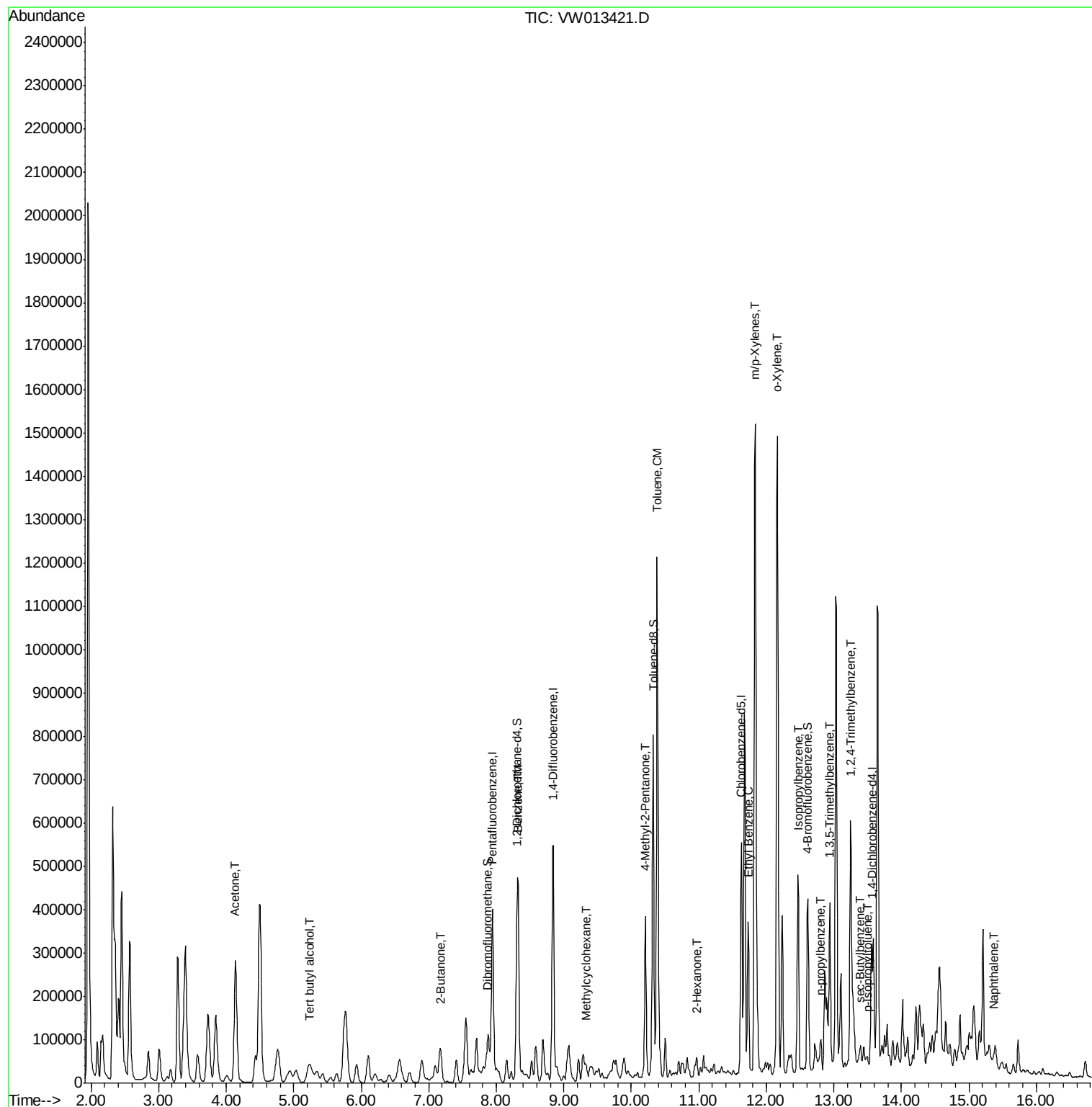
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100319\
Data File : VW013421.D
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Misc : 1.49G/5ML/MSVOA W/SOIL
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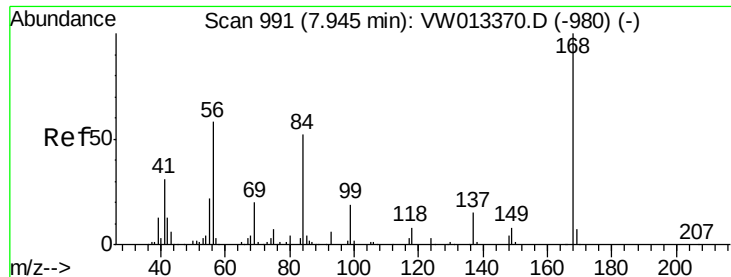
Instrument :
MSVOA_W
ClientSampleId :
40166

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Quant Time: Oct 04 09:41:28 2019
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Quant Title : SW846 8260
QLast Update : Wed Oct 02 11:49:57 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: VW013421.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

40166

Tot Ion:168 Resp: 319812

Ion Ratio Lower Upper

168 100

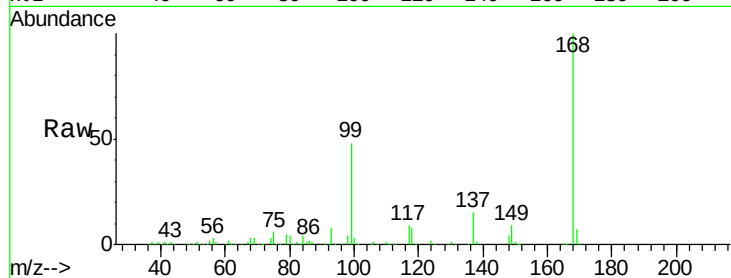
99 47.9 40.2 60.4

Manual Integrations

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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

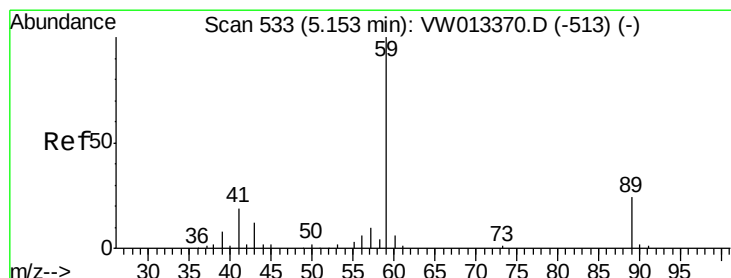
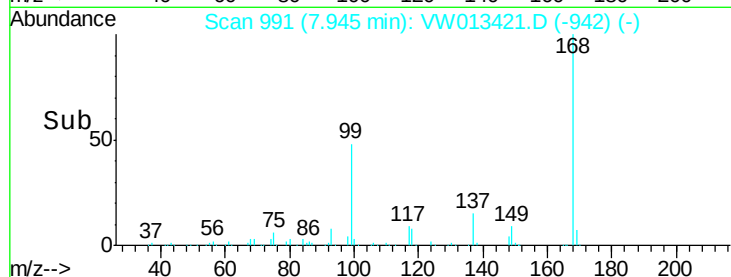
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 721.436 ug/l

RT: 5.23 min Scan# 546

Delta R.T. 0.08 min

Lab File: VW013421.D

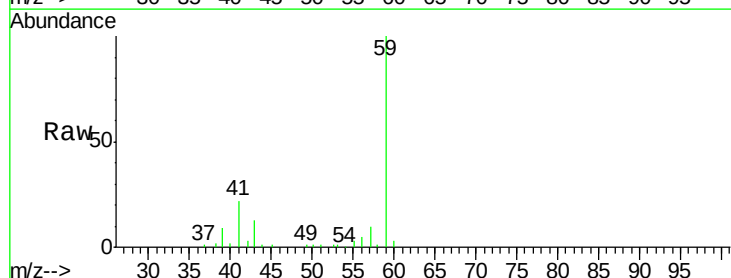
Acq: 03 Oct 2019 16:10

Tgt Ion: 59 Resp: 150617

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

25000

20000

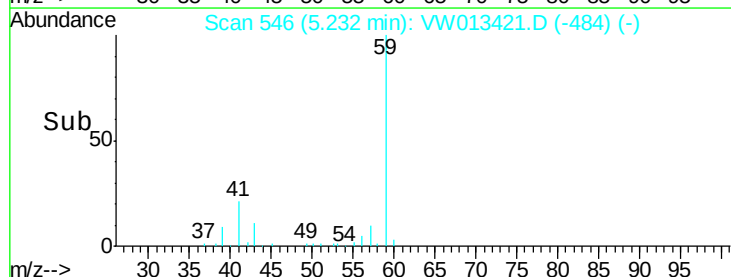
15000

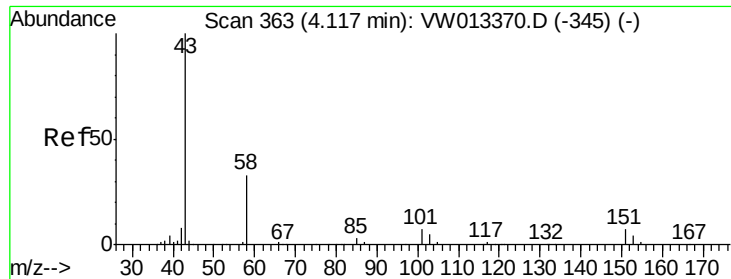
10000

5000

0

Time--> 5.00 5.20 5.40





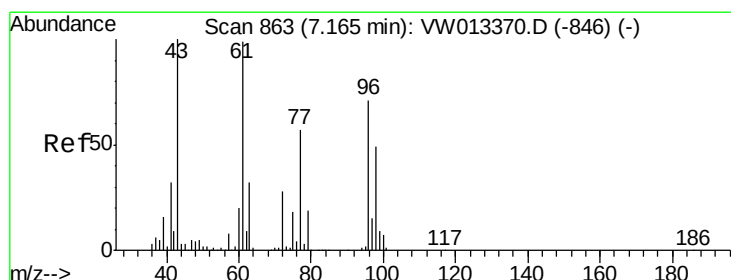
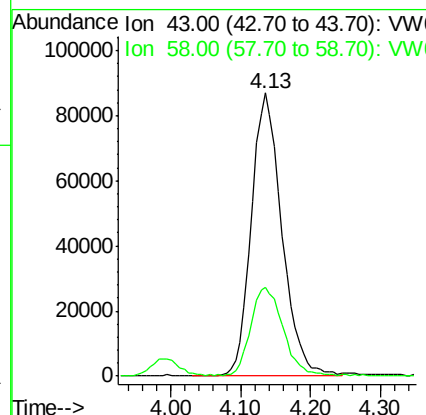
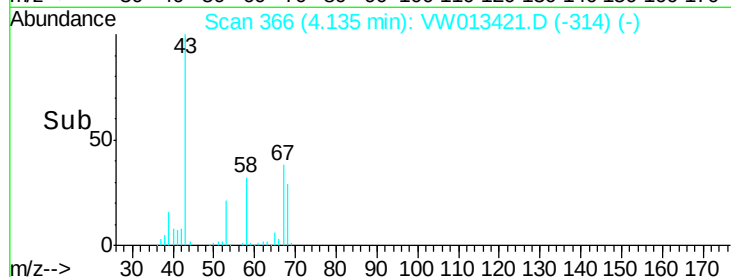
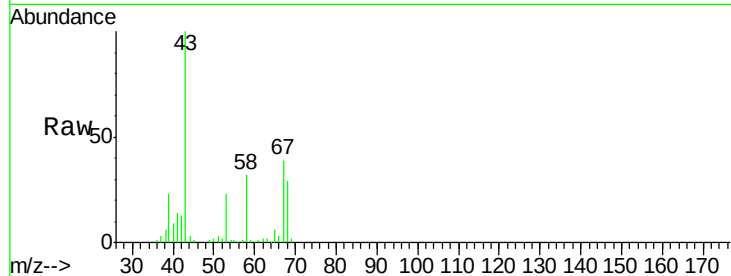
#16
Acetone
Concen: 361.120 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
40166

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.1	36.1

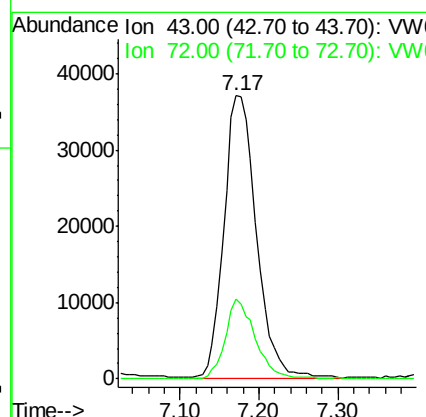
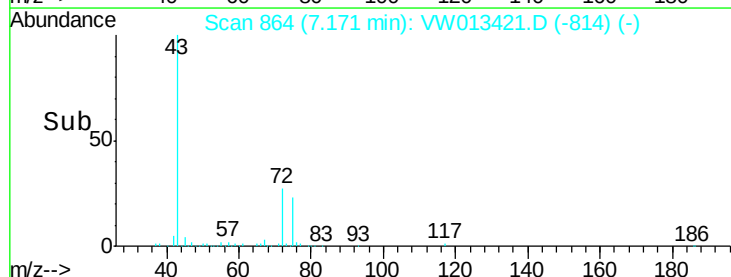
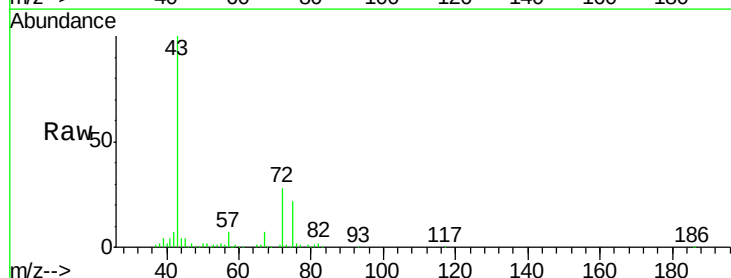
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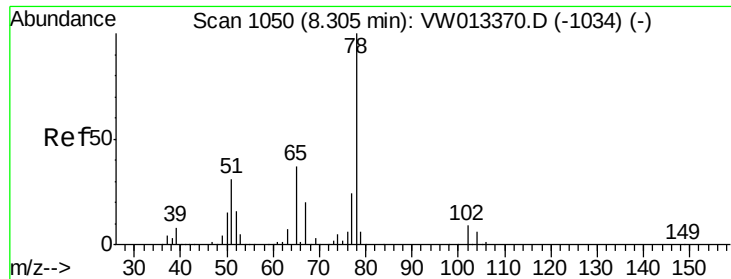
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#25
2-Butanone
Concen: 112.992 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.1	19.4	29.0





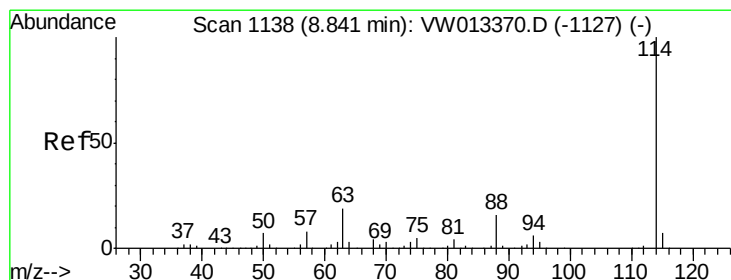
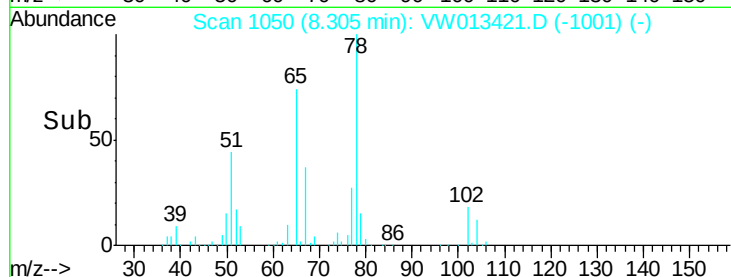
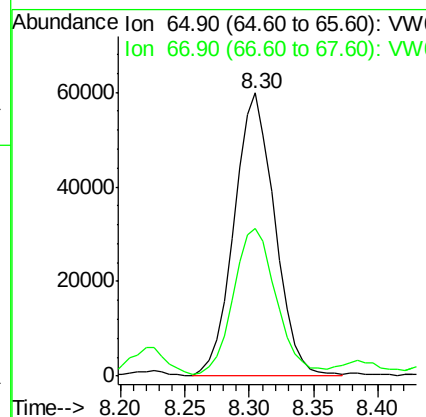
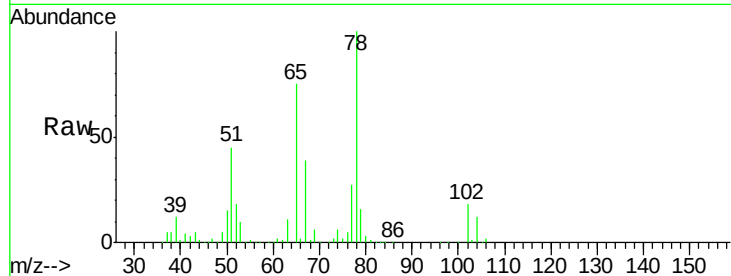
#33
 1,2-Dichloroethane-d4
 Concen: 54.304 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 40166

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129675		
67	56.0	0.0	106.2	

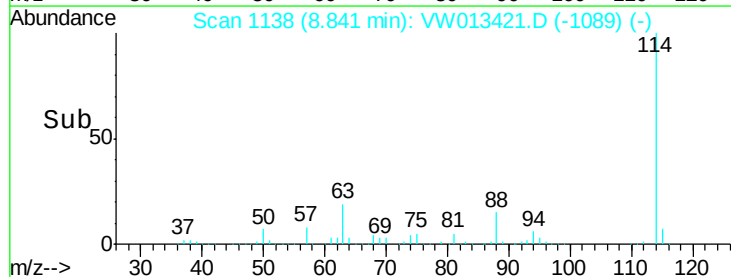
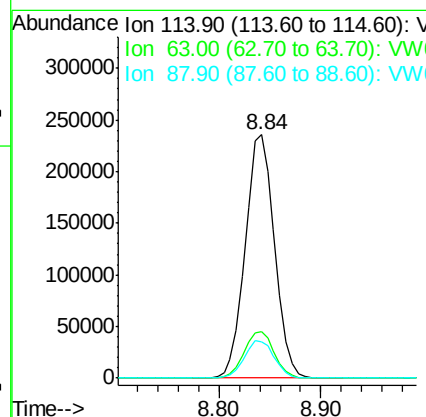
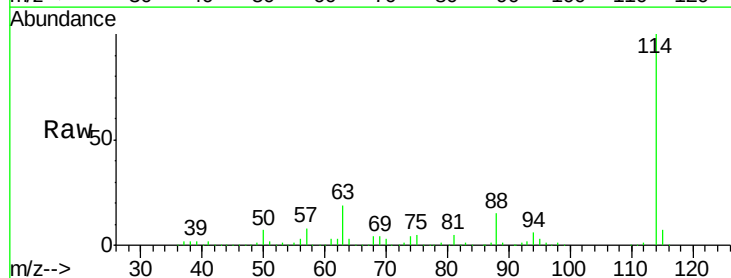
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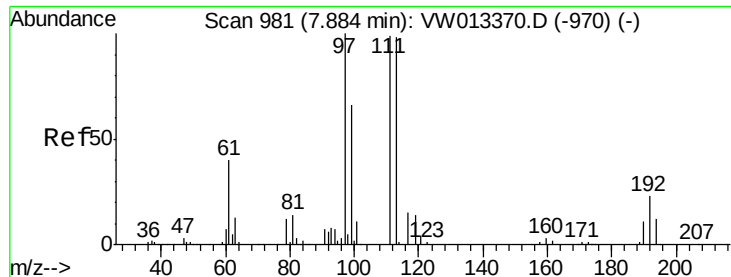
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	469516		
63	19.3	0.0	41.4	
88	15.1	0.0	32.0	





#35

Dibromofluoromethane

Concen: 29.331 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013421.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

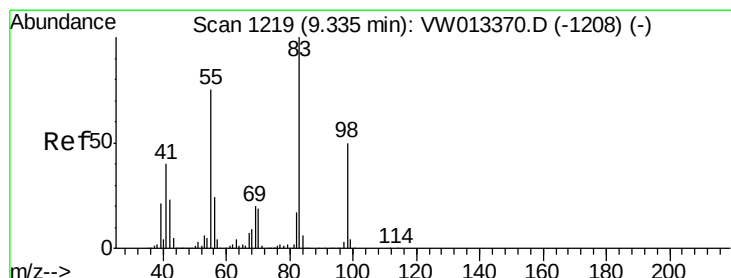
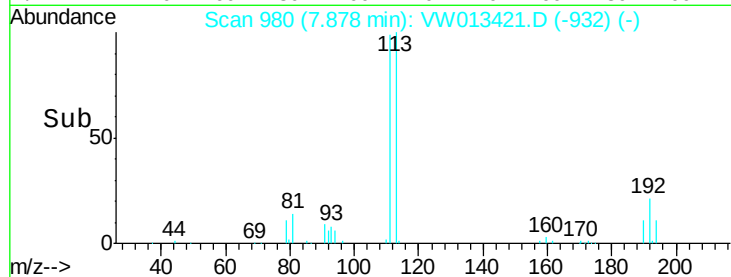
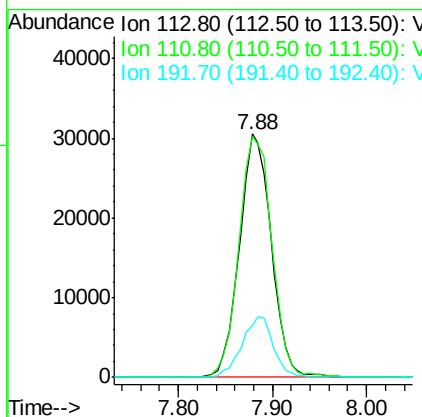
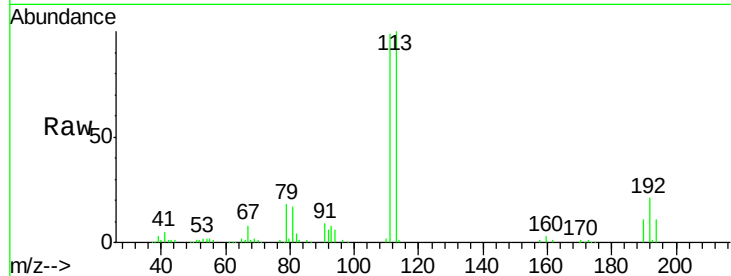
ClientSampleId :

40166

Tot Ion:	113	Resp:	72262
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	24.6	19.1	28.7

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#39

Methylcyclohexane

Concen: 1.701 ug/l

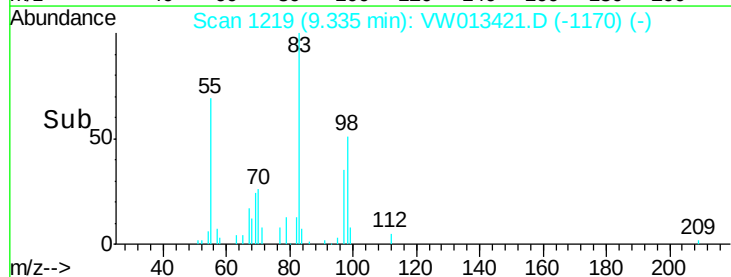
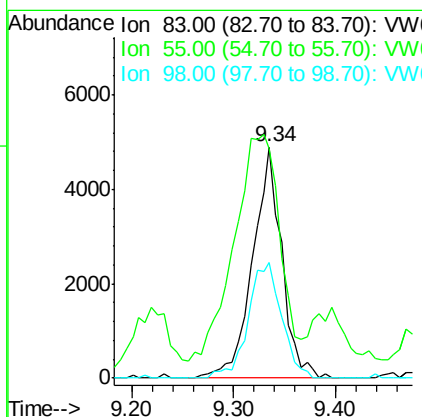
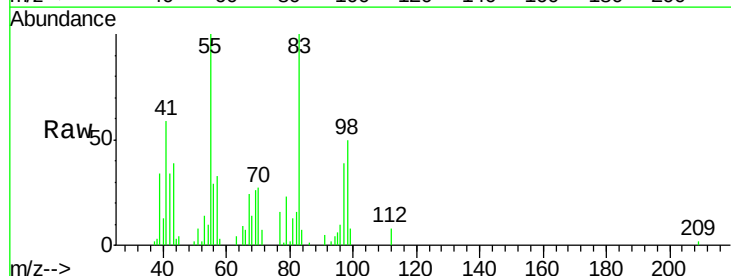
RT: 9.34 min Scan# 1219

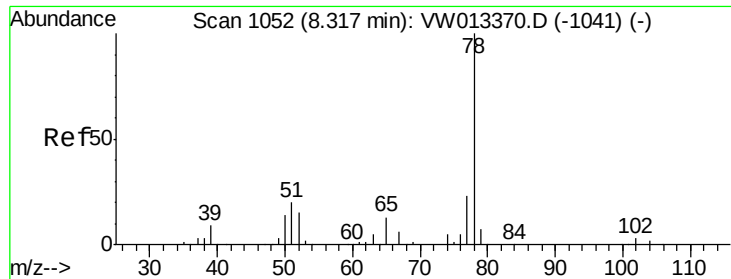
Delta R.T. -0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 16:10

Tgt Ion:	83	Resp:	9769
Ion	Ratio	Lower	Upper
83	100		
55	92.3	60.4	90.6#
98	49.9	40.0	60.0





#40

Benzene

Concen: 26.538 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW013421.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampleId :

40166

Tot Ion: 78 Resp: 327603

Ion Ratio Lower Upper

78 100

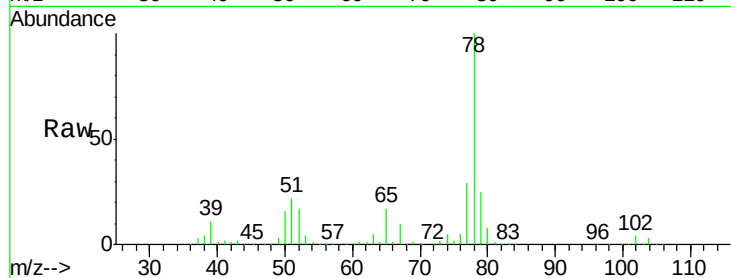
77 28.6 19.1 28.7

Manual Integrations

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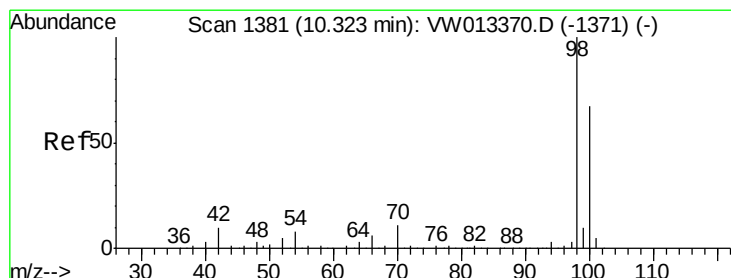
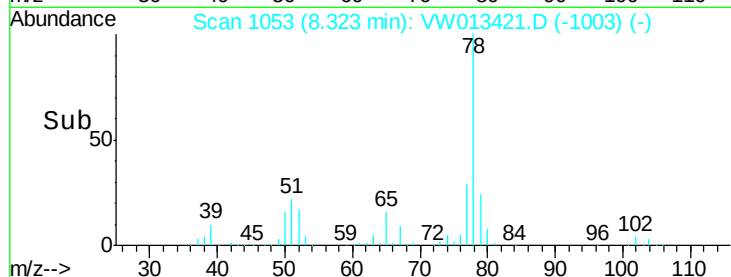
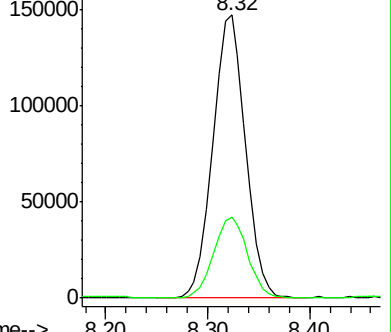
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Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#50

Toluene-d8

Concen: 50.079 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013421.D

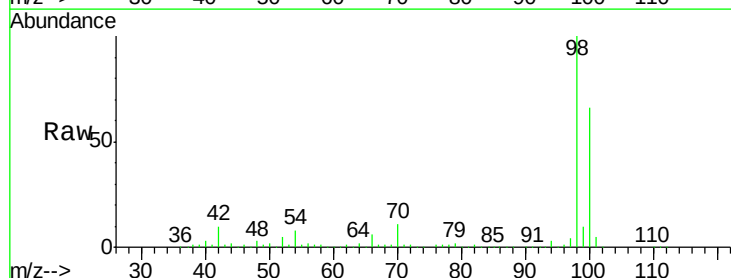
Acq: 03 Oct 2019 16:10

Tgt Ion: 98 Resp: 511991

Ion Ratio Lower Upper

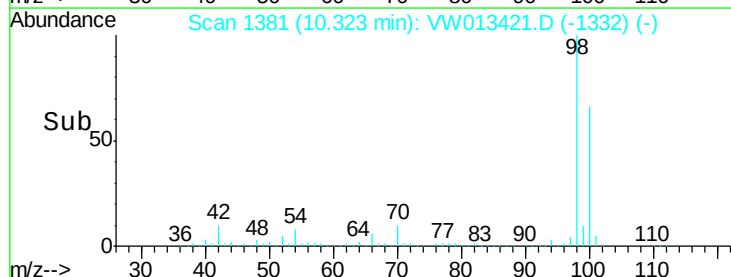
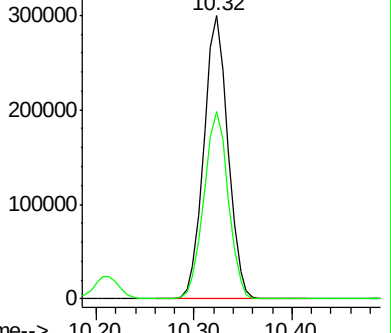
98 100

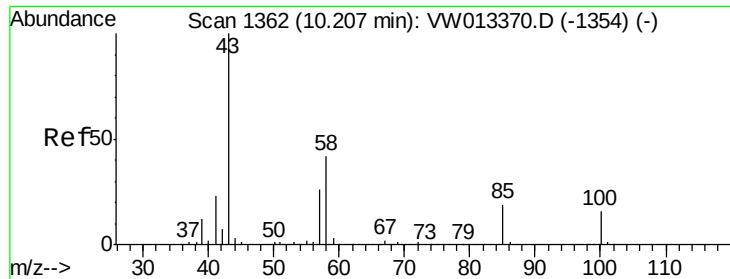
100 66.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 130.729 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013421.D

Acq: 03 Oct 2019 16:10

Instrument :

MSVOA_W

ClientSampled :

40166

Tot Ion: 43 Resp: 248802

Ion Ratio Lower Upper

43 100

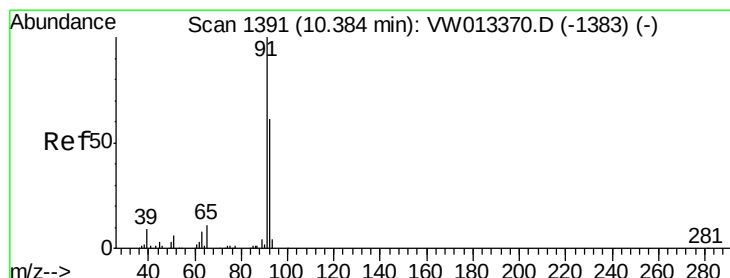
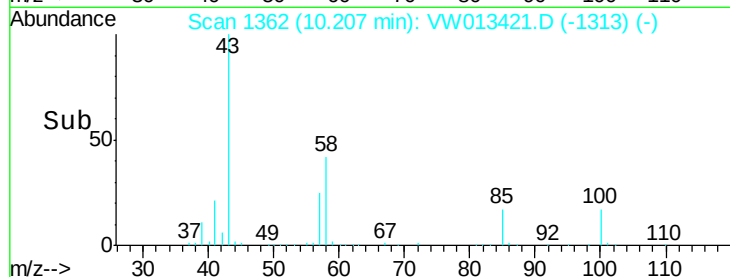
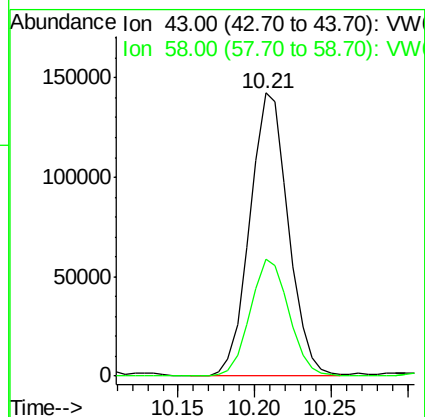
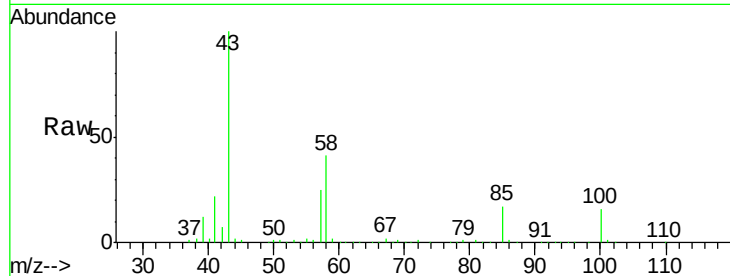
58 41.7 31.7 47.5

Manual Integrations

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#52

Toluene

Concen: 67.226 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013421.D

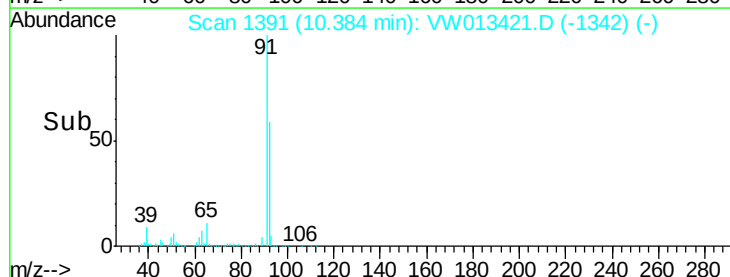
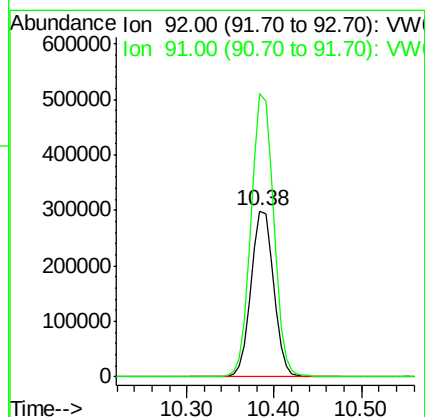
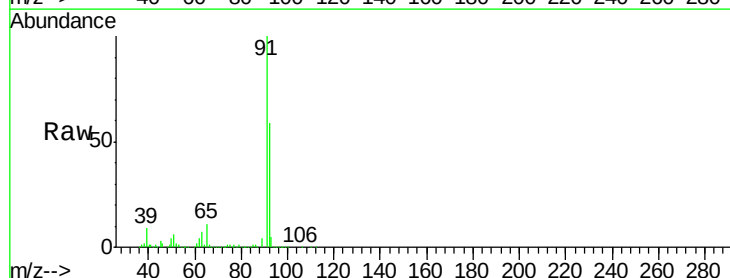
Acq: 03 Oct 2019 16:10

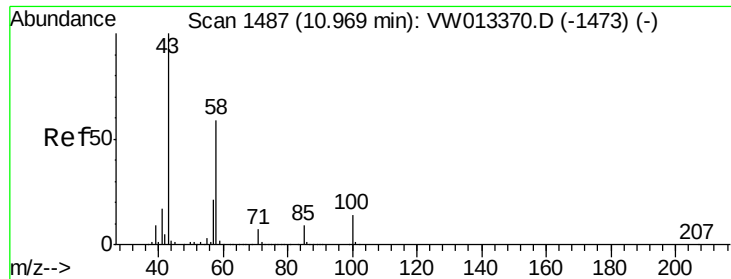
Tgt Ion: 92 Resp: 535277

Ion Ratio Lower Upper

92 100

91 171.2 135.7 203.5





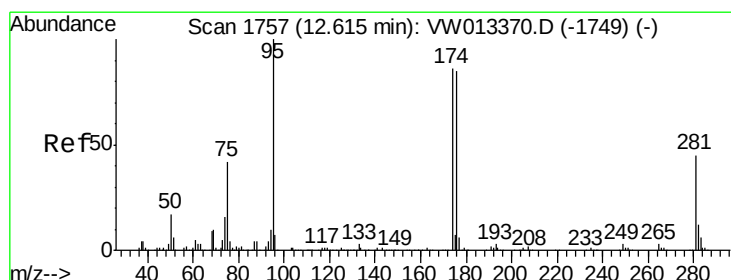
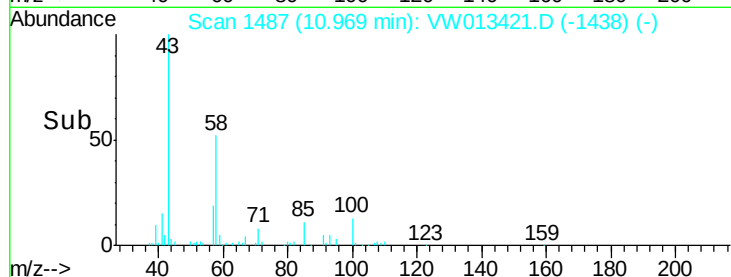
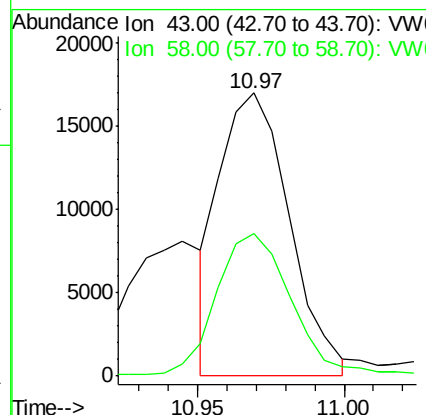
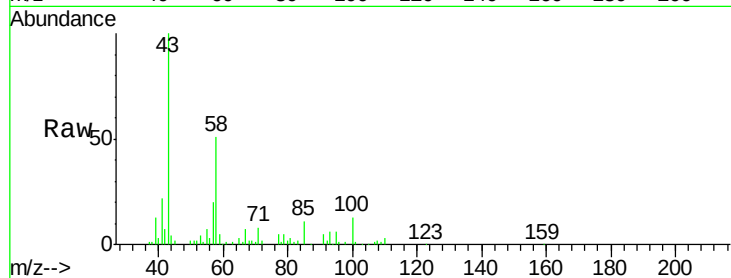
#59
2-Hexanone
Concen: 21.170 ug/l m
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
40166

Tot Ion: 43 Resp: 27927
Ion Ratio Lower Upper
43 100
58 55.5 28.1 84.2

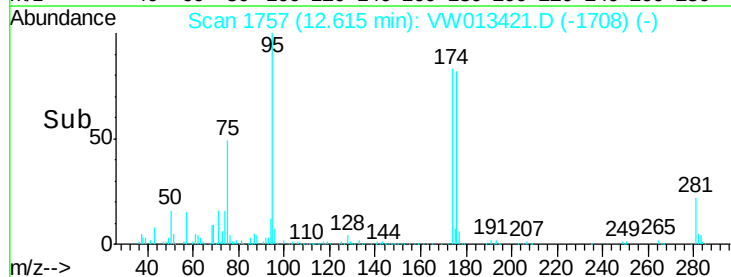
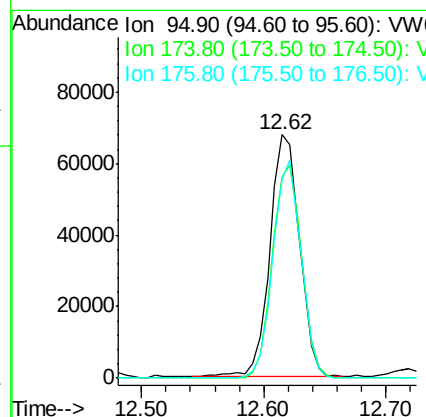
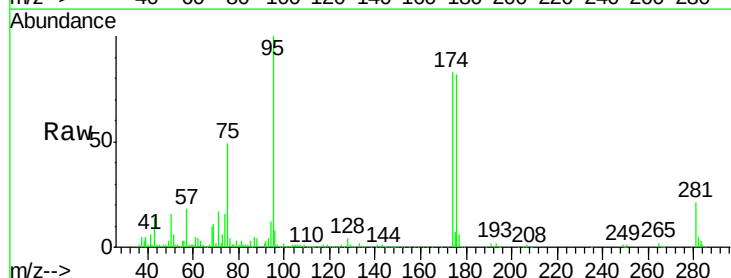
Manual Integrations
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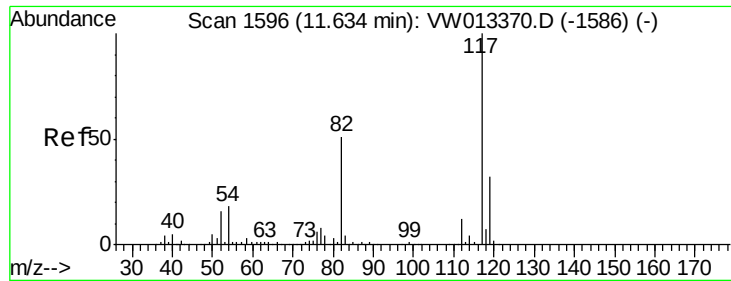
MMDadoda
10/4/2019 12:07:00 PM



#62
4-Bromofluorobenzene
Concen: 33.516 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 95 Resp: 114428
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.4
176 85.2 0.0 172.2





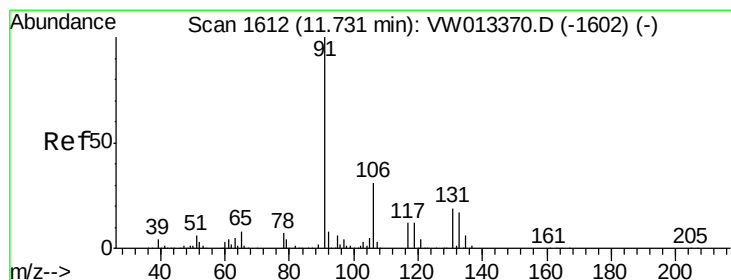
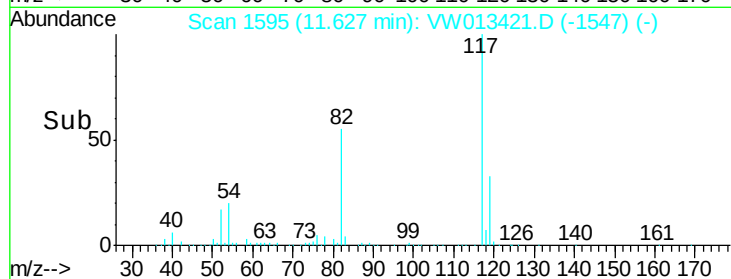
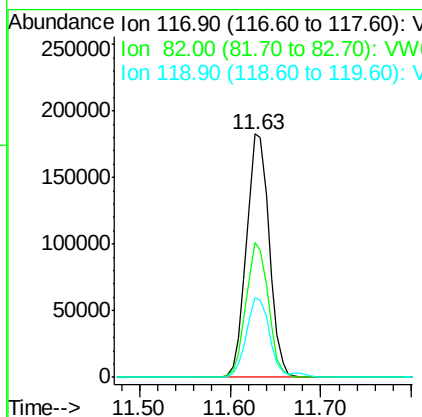
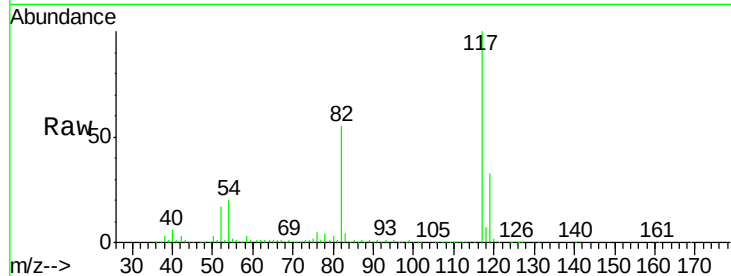
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
40166

Tot Ion	Ratio	Resp	Lower	Upper
117	100	317625		
82	55.1	45.9	68.9	
119	32.7	26.2	39.2	

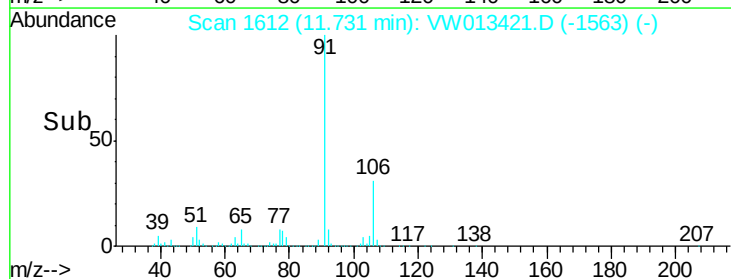
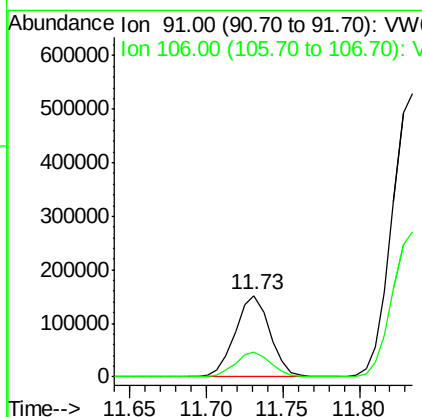
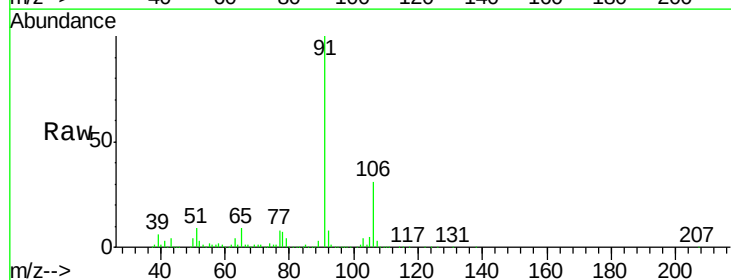
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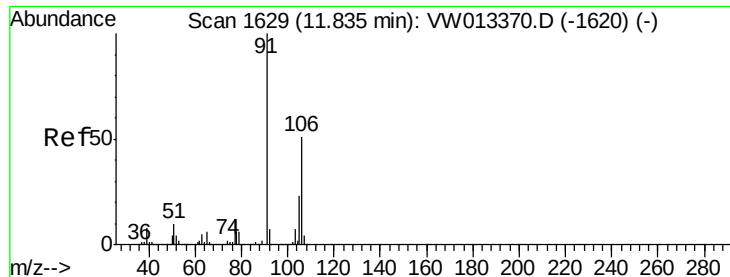
MMDadoda
10/4/2019 12:07:00 PM



#67
Ethyl Benzene
Concen: 20.317 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	236941		
106	30.6	24.9	37.3	





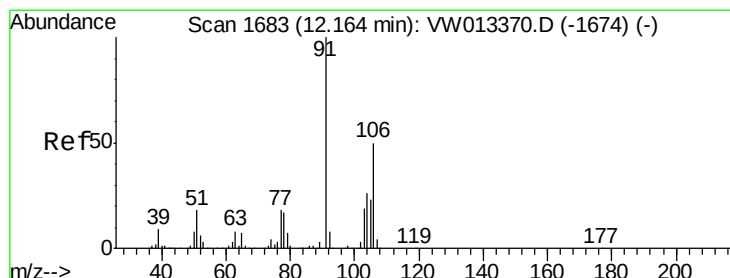
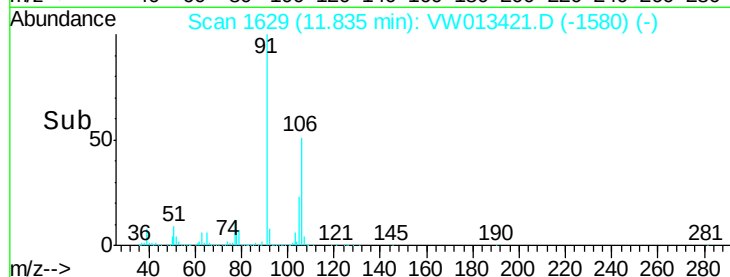
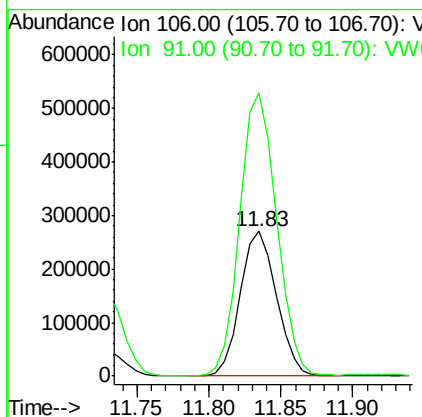
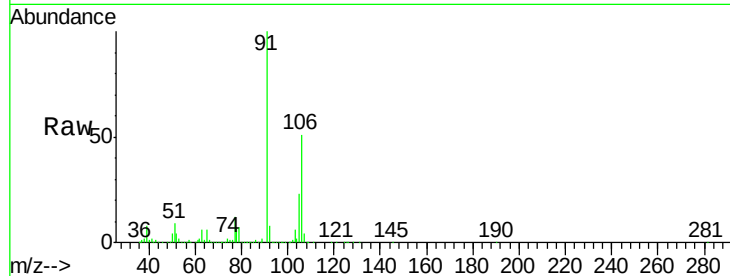
#68
m/p-Xylenes
Concen: 105.007 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampleId :
40166

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		472696		
91	197.9	157.9	236.9		

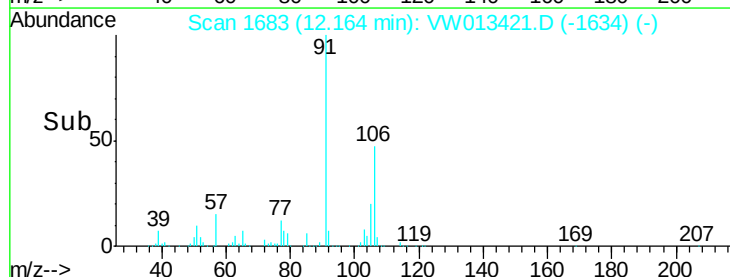
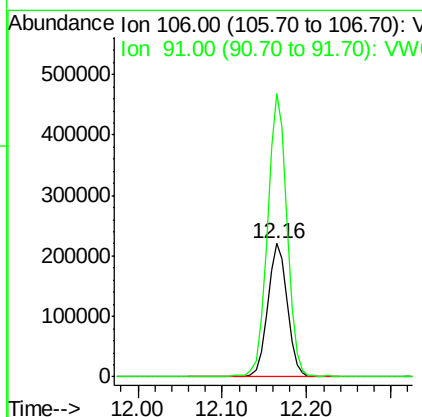
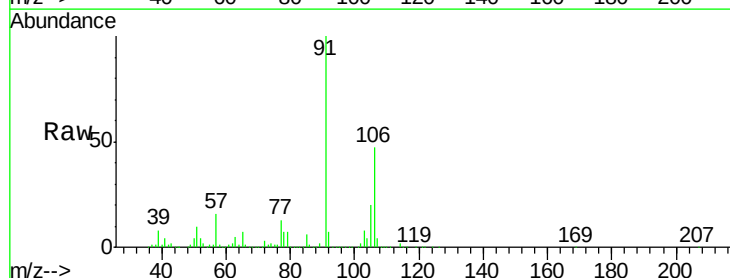
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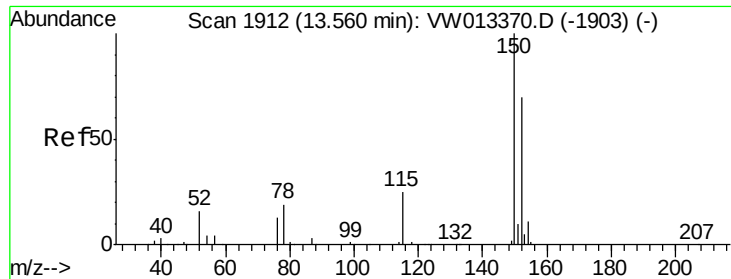
MMDadoda
10/4/2019 12:07:00 PM



#69
o-Xylene
Concen: 85.403 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		355455		
91	209.8	106.5	319.5		





#72

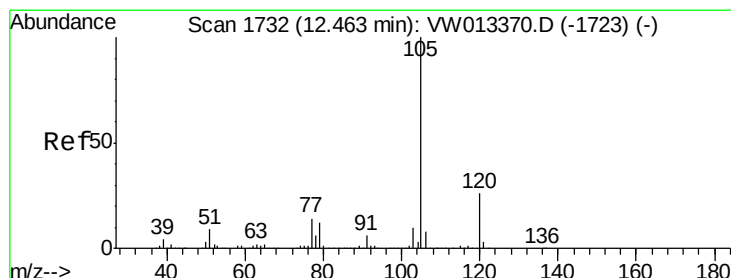
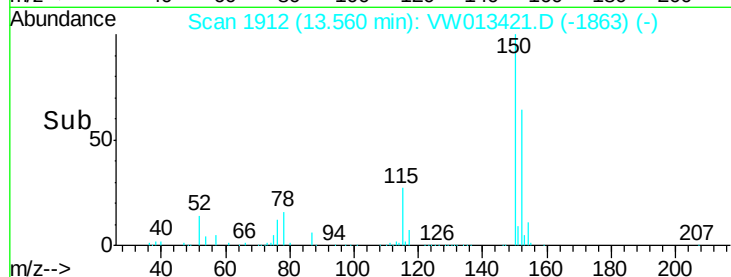
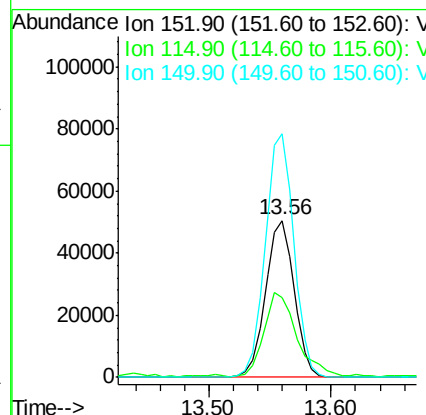
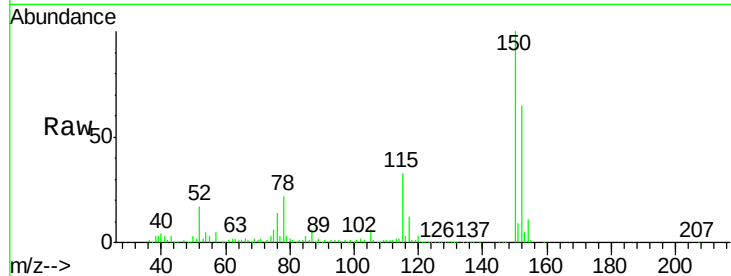
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampled :
40166

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.5	27.3	81.9
150	154.5	0.0	349.0

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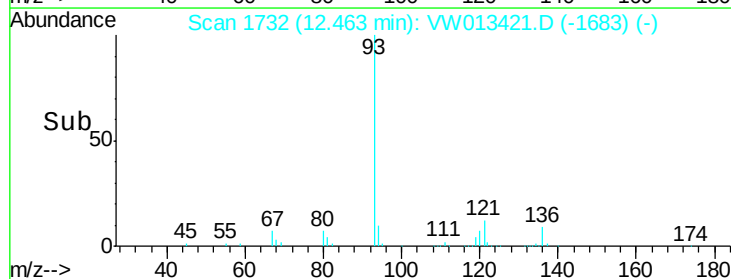
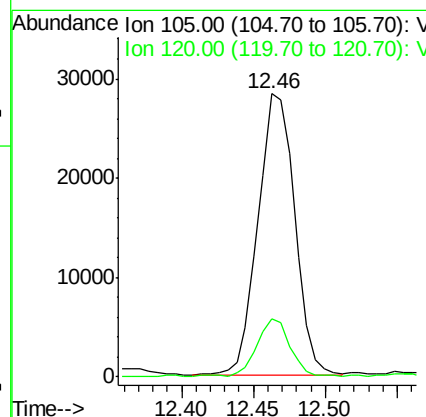
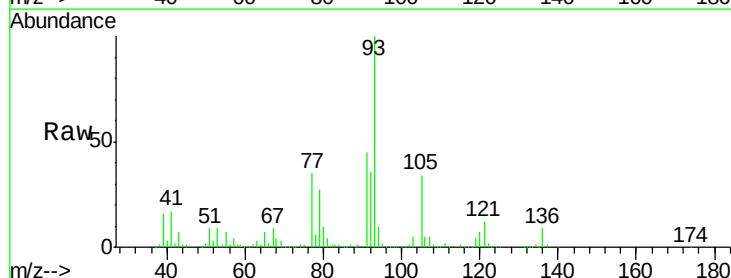
MMDadoda
10/4/2019 12:07:00 PM

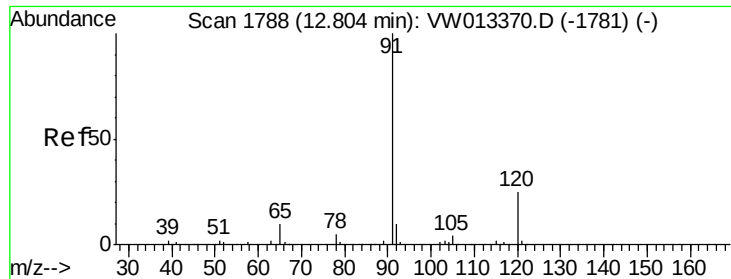


#73

Isopropylbenzene
Concen: 8.247 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	19.6	13.4	40.1





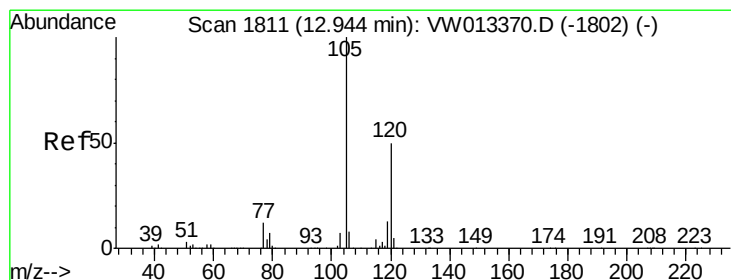
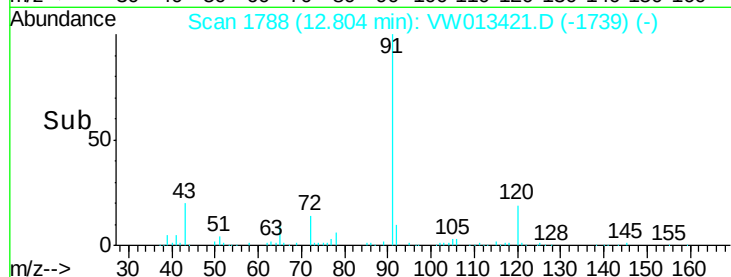
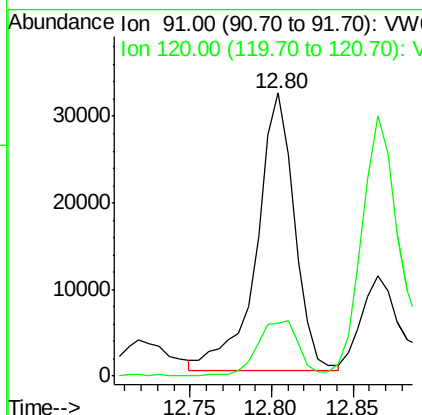
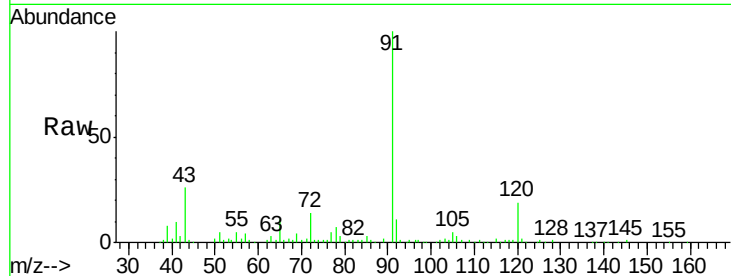
#78
n-propylbenzene
Concen: 7.430 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Instrument :
MSVOA_W
ClientSampled :
40166

Tot Ion: 91 Resp: 51553
Ion Ratio Lower Upper
91 100
120 21.6 11.7 35.1

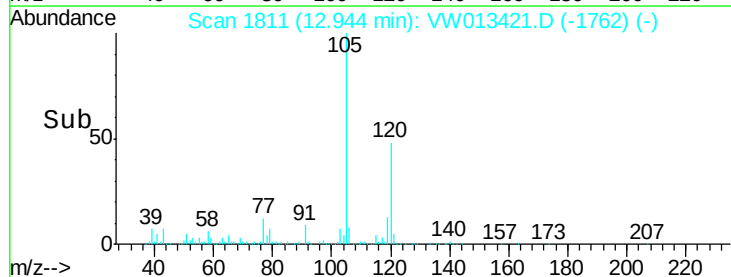
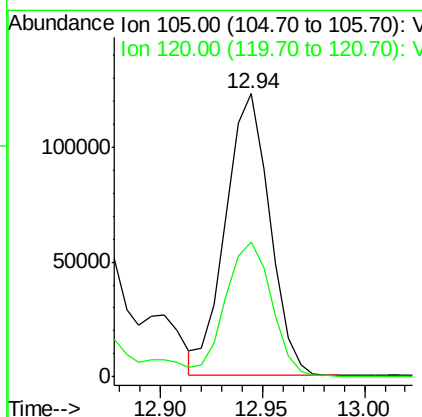
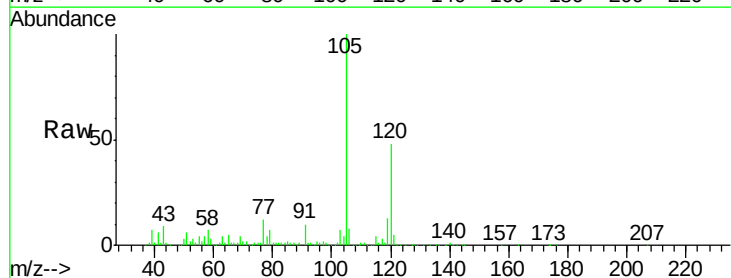
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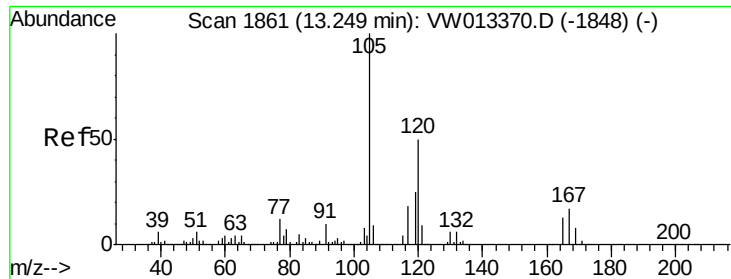
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#80
1,3,5-Trimethylbenzene
Concen: 36.731 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW013421.D
Acq: 03 Oct 2019 16:10

Tgt Ion: 105 Resp: 184054
Ion Ratio Lower Upper
105 100
120 49.8 24.9 74.8





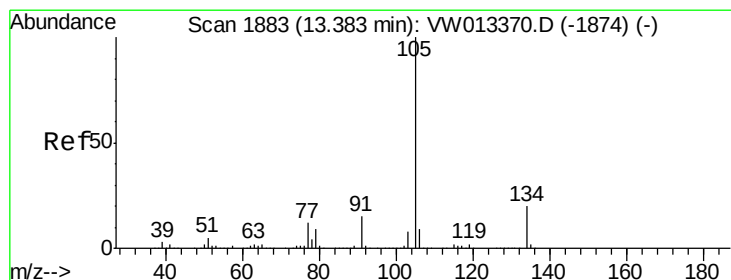
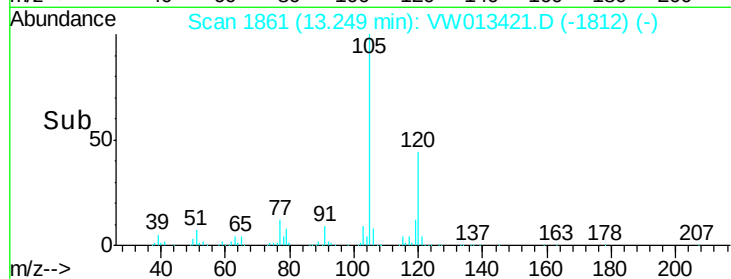
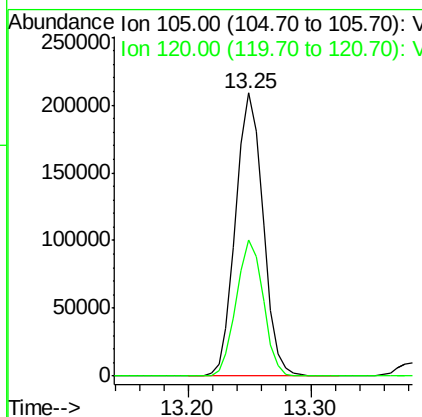
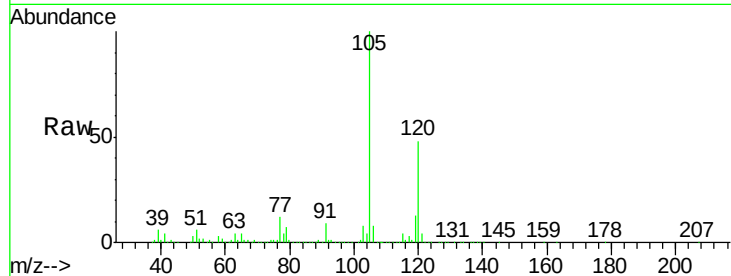
#84
 1,2,4-Trimethylbenzene
 Concen: 65.146 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 40166

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.4	70.3

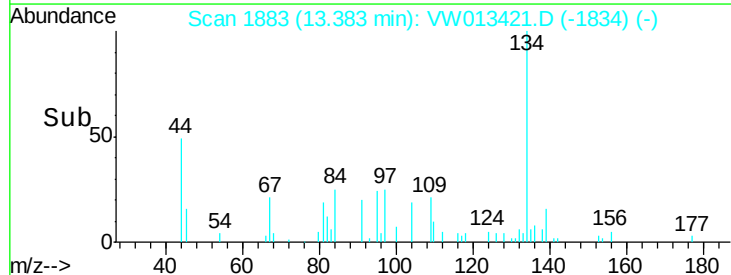
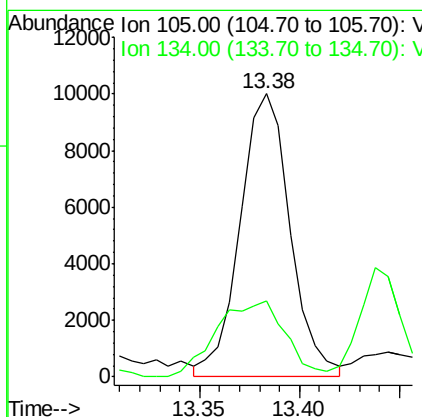
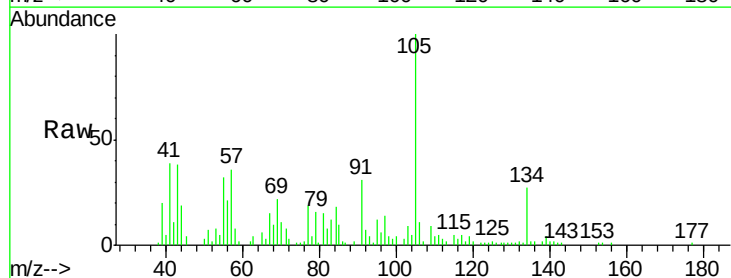
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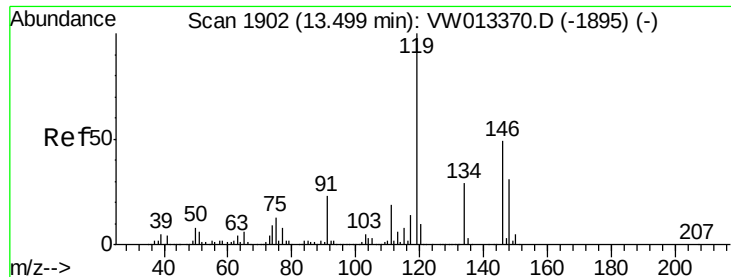
MMDadoda
 10/4/2019 12:07:00 PM



#85
 sec-Butylbenzene
 Concen: 2.897 ug/l m
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.3	30.8#





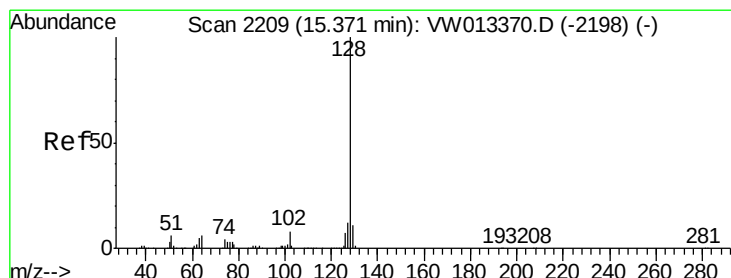
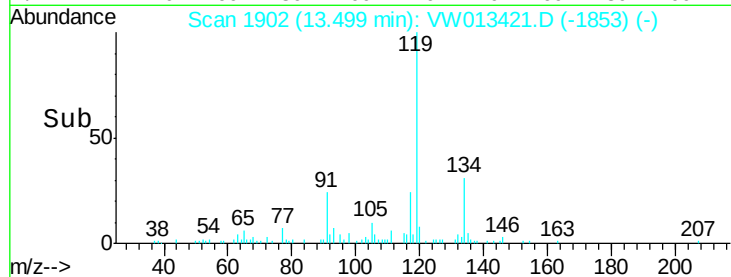
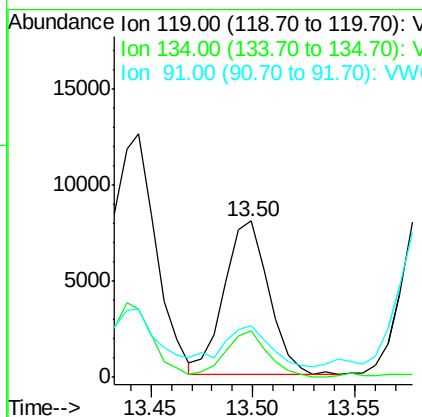
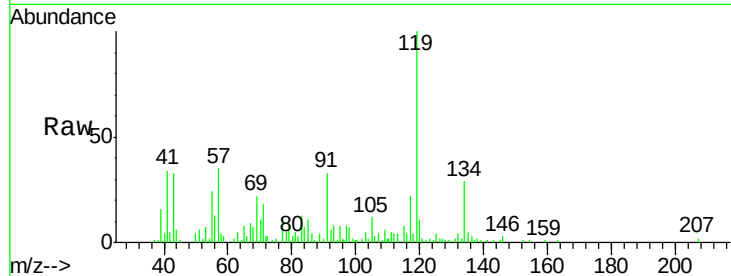
#86
 p-Isopropyltoluene
 Concen: 2.158 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Instrument :
 MSVOA_W
 ClientSampleId :
 40166

Tot Ion:	119	Resp:	12066
Ion Ratio	Lower	Upper	
119	100		
134	29.1	13.3	39.8
91	26.8	10.8	32.4

Manual Integrations
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 10/4/2019 12:07:00 PM



#95
 Naphthalene
 Concen: 3.740 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: VW013421.D
 Acq: 03 Oct 2019 16:10

Tgt Ion:	128	Resp:	10907
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.6	15.8
129	14.0	8.7	13.1#

