

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW053119\
 Data File : VW010641.D
 Acq On : 31 May 2019 17:19
 Operator : SY/VA
 Sample : K3097-18
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0438-PR-1(PASSAIC)

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 9:00:18 AM

Quant Time: Jun 11 04:43:10 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	158571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	280209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	252038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119165	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	91822	56.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.20%	
35) Dibromofluoromethane	7.88	113	84913	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.32	98	343861	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.62	95	127623	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	44643	133.625	ug/l	98
17) Carbon Disulfide	4.37	76	13703	2.743	ug/l	97
25) 2-Butanone	7.17	43	17581	36.771	ug/l	95
39) Methylcyclohexane	9.33	83	9250	2.645	ug/l	92
40) Benzene	8.33	78	38274	5.275	ug/l	98
65) Chlorobenzene	11.66	112	8313	1.548	ug/l	96
68) m/p-Xylenes	11.84	106	45446	12.217	ug/l	99
69) o-Xylene	12.17	106	102712	29.144	ug/l	99
73) Isopropylbenzene	12.46	105	37084	3.922	ug/l	100
78) n-propylbenzene	12.80	91	21205m	1.924	ug/l	
80) 1,3,5-Trimethylbenzene	12.94	105	44505	5.557	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	125857	15.778	ug/l	99
86) p-Isopropyltoluene	13.50	119	14946	1.687	ug/l	95
95) Naphthalene	15.37	128	1480771	274.076	ug/l	100

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

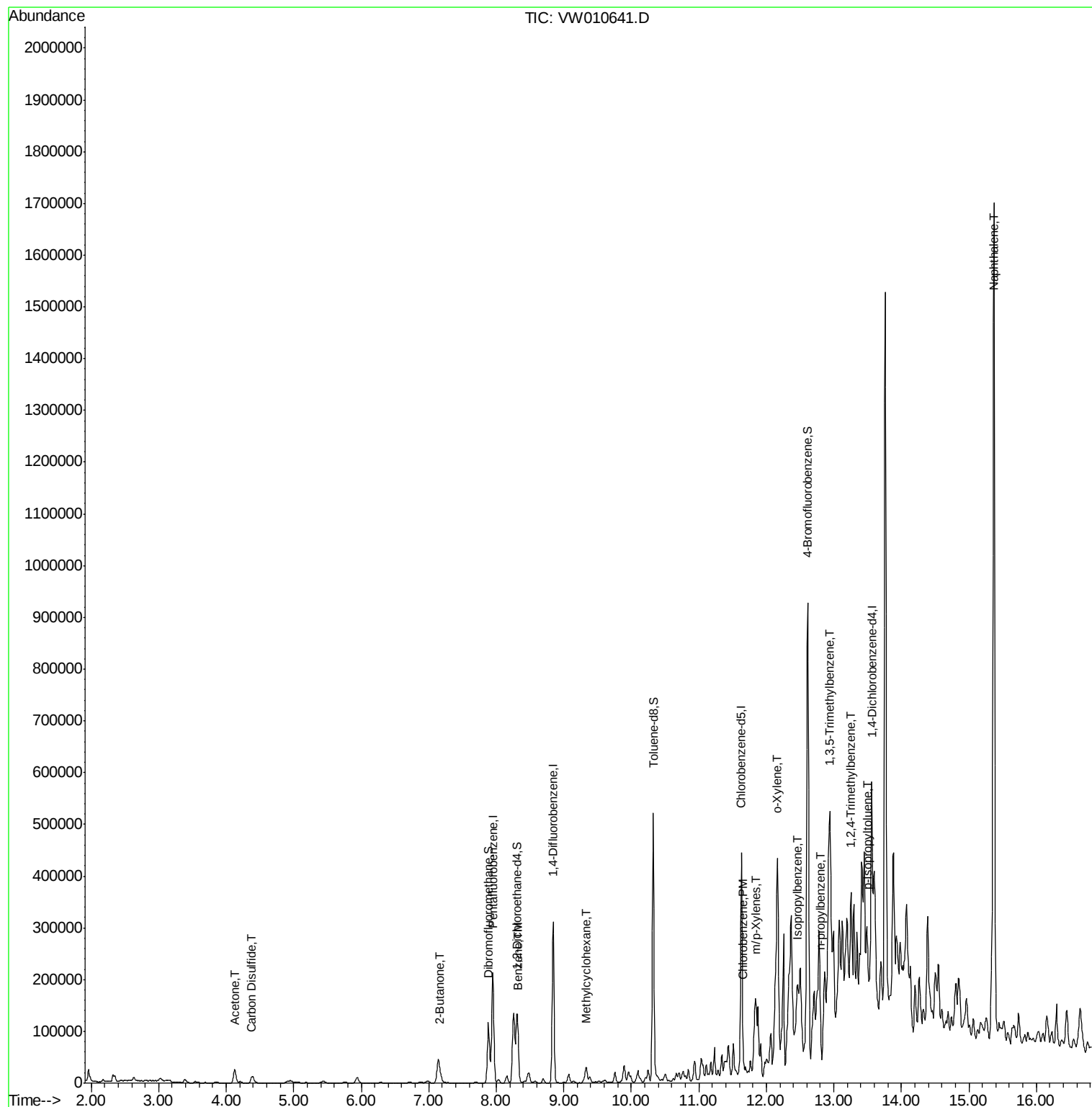
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW053119\
Data File : VW010641.D
Acq On : 31 May 2019 17:19
Operator : SY/VA
Sample : K3097-18
Misc : 5.07G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

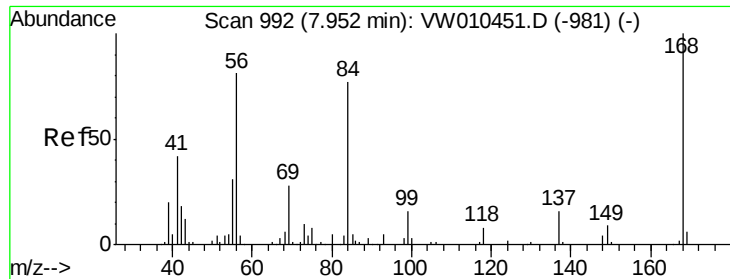
Instrument :
MSVOA_W
ClientSampleId :
0438-PR-1(PASSAIC)

Manual Integrations
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6/11/2019 9:00:18 AM

Quant Time: Jun 11 04:43:10 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010641.D

Acq: 31 May 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

0438-PR-1(PASSAIC)

Tot Ion:168 Resp: 158571

Ion Ratio Lower Upper

168 100

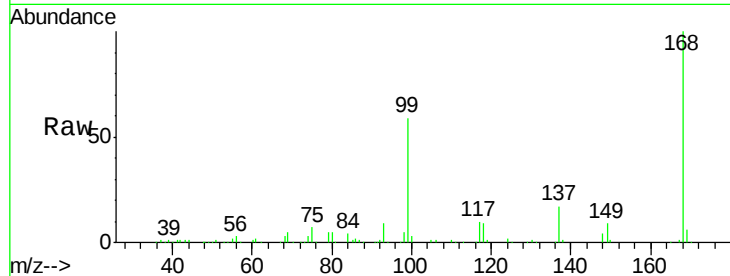
99 59.2 46.1 69.1

Manual Integrations

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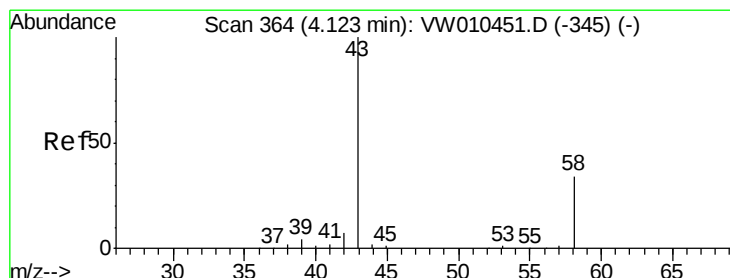
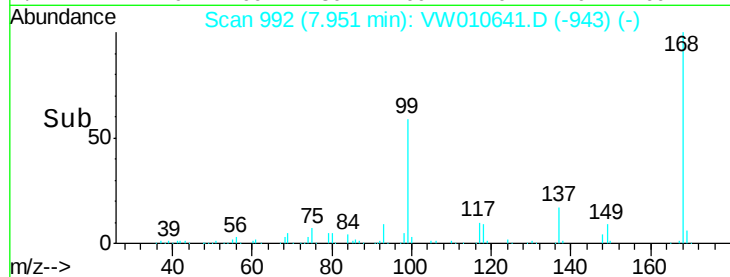
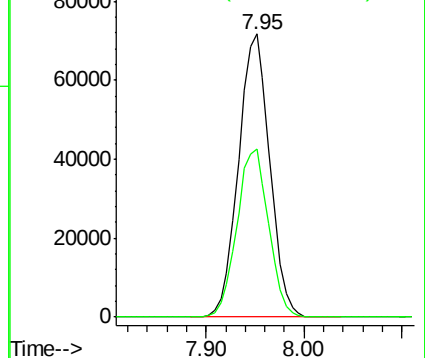
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 133.625 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010641.D

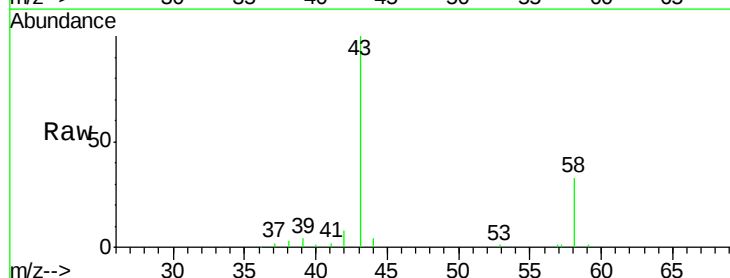
Acq: 31 May 2019 17:19

Tgt Ion: 43 Resp: 44643

Ion Ratio Lower Upper

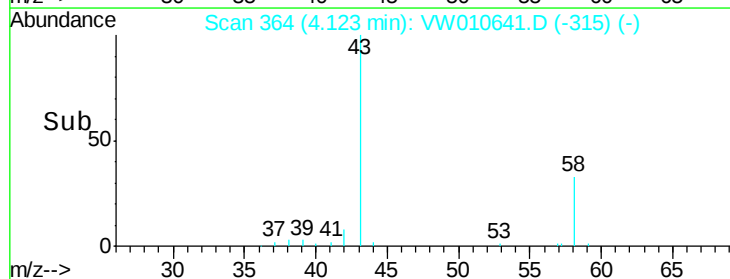
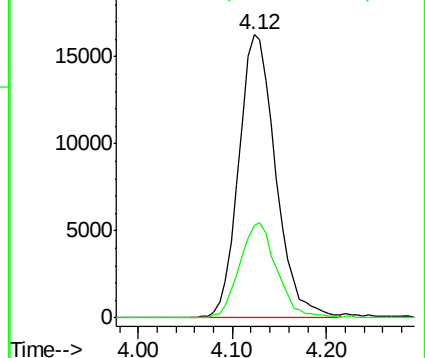
43 100

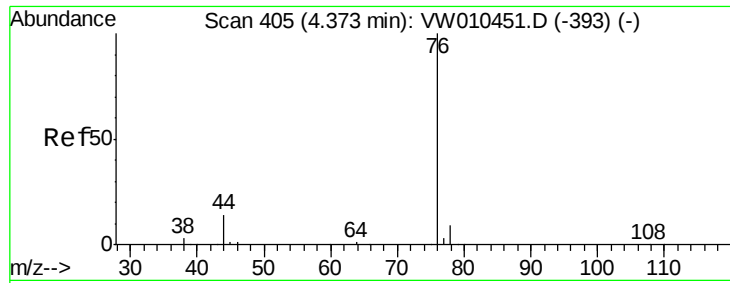
58 32.7 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 2.743 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW010641.D

Acq: 31 May 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

0438-PR-1(PASSAIC)

Tot Ion: 76 Resp: 13703

Ion Ratio Lower Upper

76 100

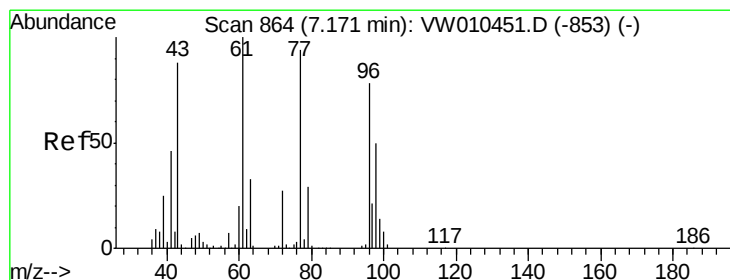
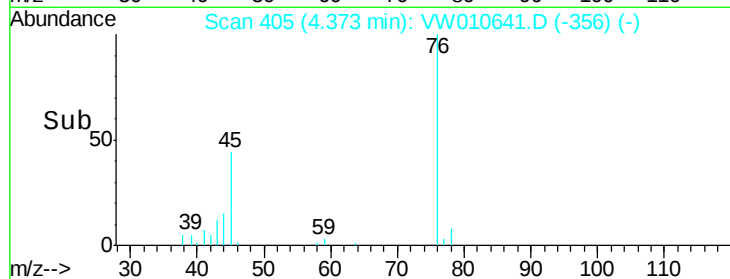
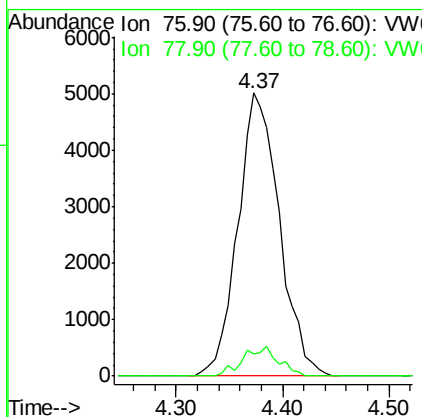
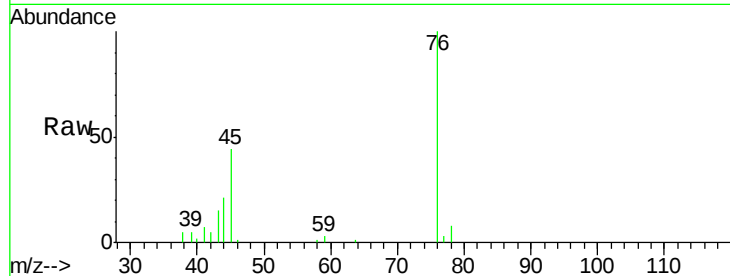
78 8.0 7.1 10.7

Manual Integrations

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#25

2-Butanone

Concen: 36.771 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010641.D

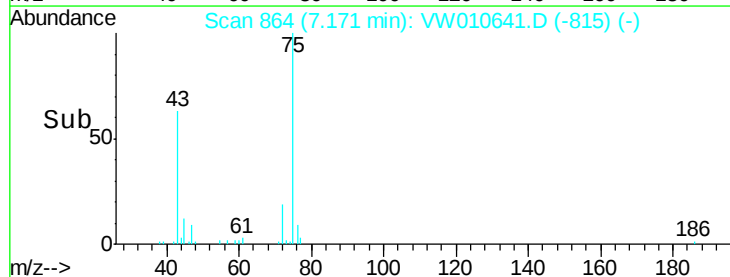
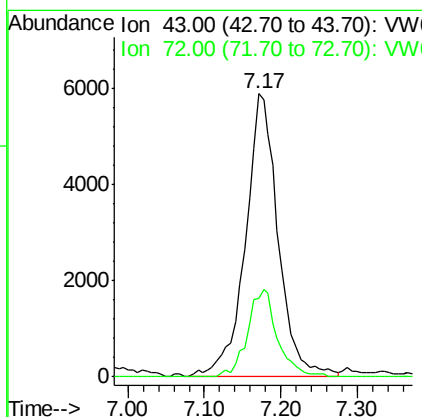
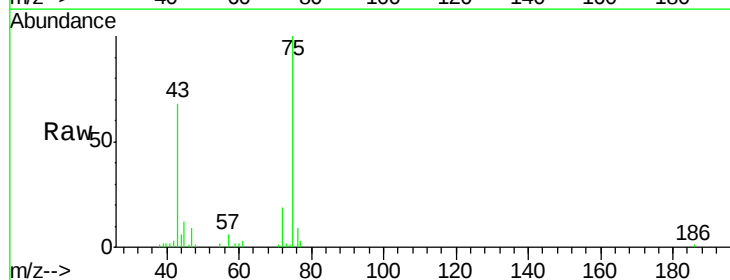
Acq: 31 May 2019 17:19

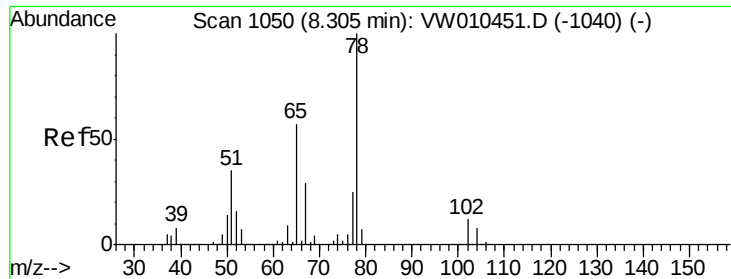
Tgt Ion: 43 Resp: 17581

Ion Ratio Lower Upper

43 100

72 27.6 24.1 36.1





#33

1,2-Dichloroethane-d4

Concen: 56.101 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010641.D

Acq: 31 May 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

0438-PR-1(PASSAIC)

Tot Ion: 65 Resp: 91822

Ion Ratio Lower Upper

65 100

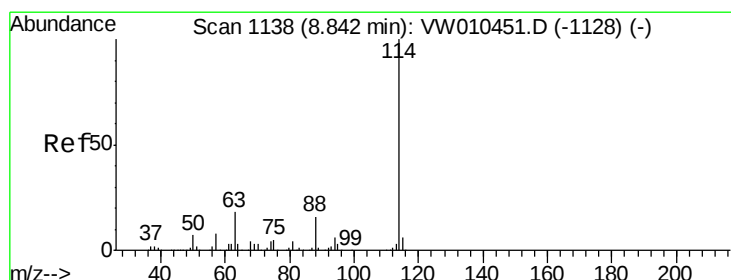
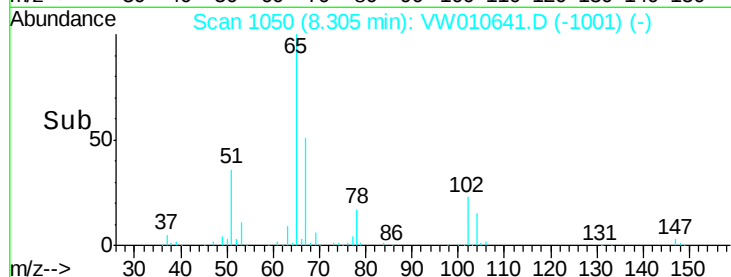
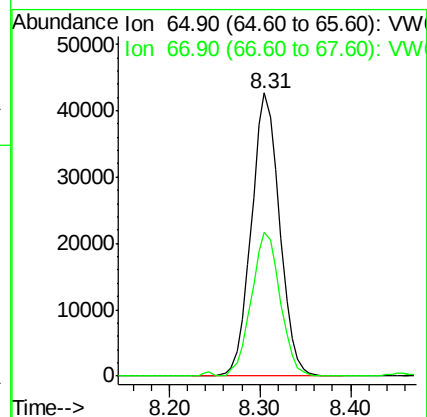
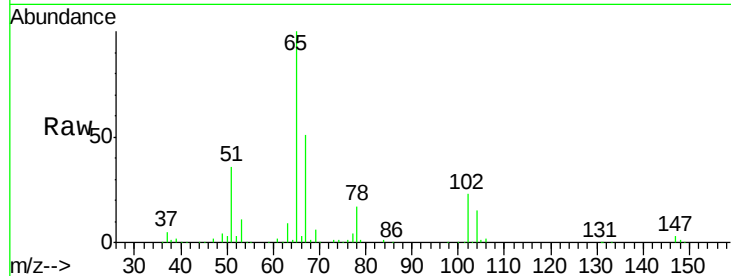
67 51.9 0.0 103.6

Manual Integrations

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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: VW010641.D

Acq: 31 May 2019 17:19

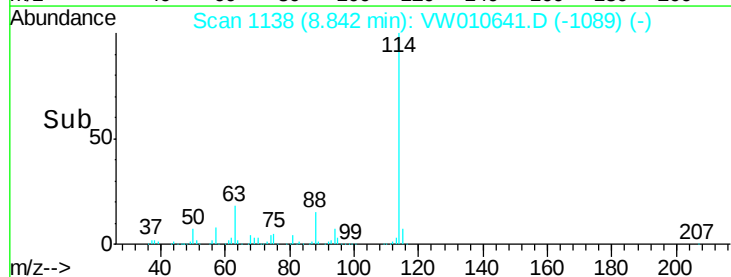
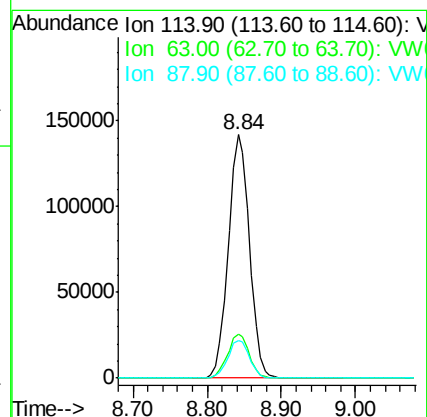
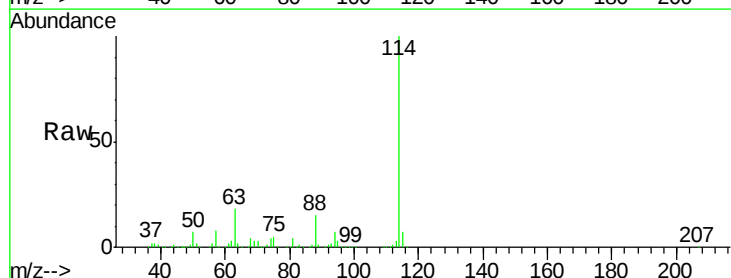
Tgt Ion: 114 Resp: 280209

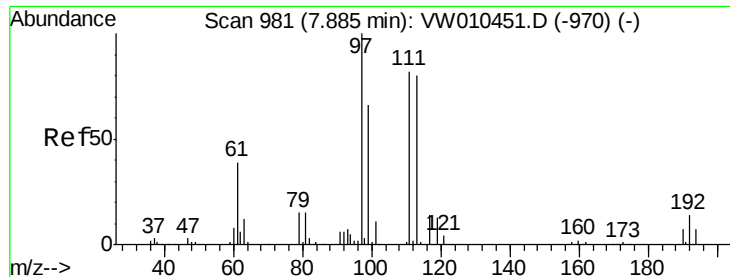
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.0

88 15.4 0.0 32.0





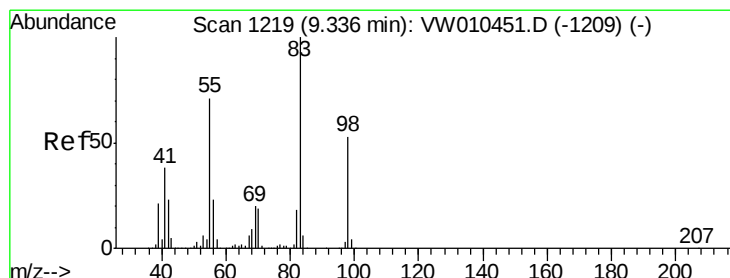
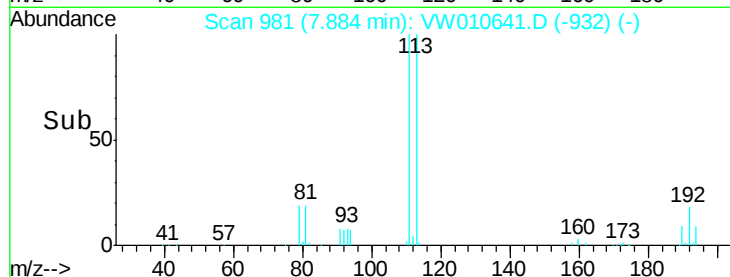
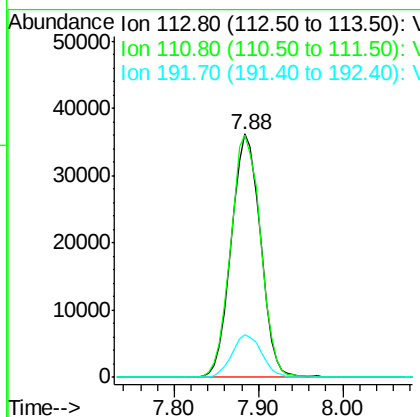
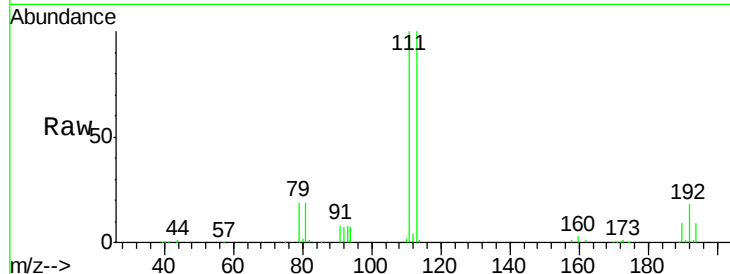
#35
 Dibromofluoromethane
 Concen: 49.941 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010641.D
 Acq: 31 May 2019 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 0438-PR-1(PASSAIC)

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	17.8	14.3	21.5

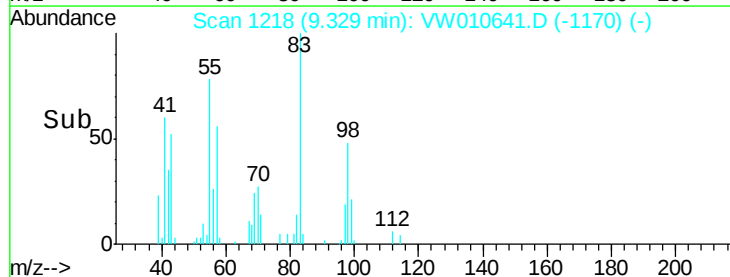
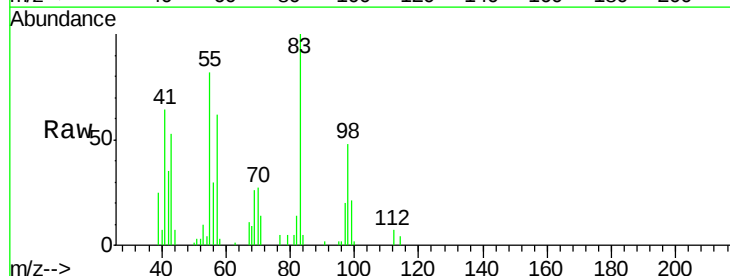
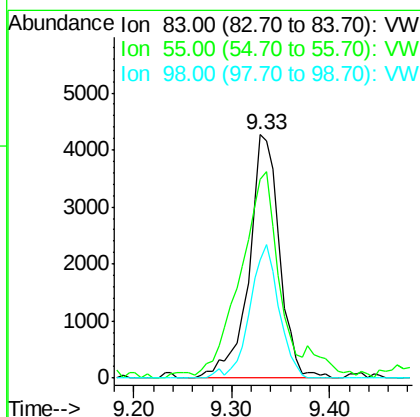
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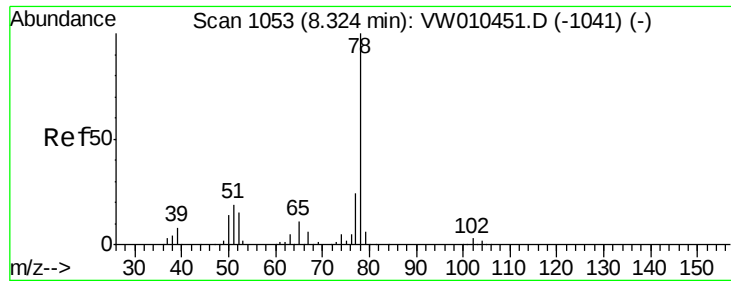
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 6/11/2019 9:00:18 AM



#39
 Methylcyclohexane
 Concen: 2.645 ug/l
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW010641.D
 Acq: 31 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.3	57.0	85.6
98	48.4	42.0	63.0





#40

Benzene

Concen: 5.275 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW010641.D

Acq: 31 May 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

0438-PR-1(PASSAIC)

Tot Ion: 78 Resp: 38274

Ion Ratio Lower Upper

78 100

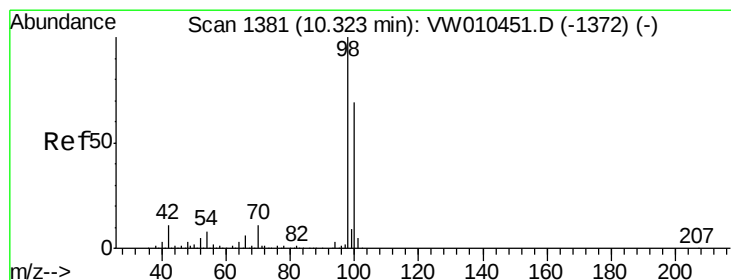
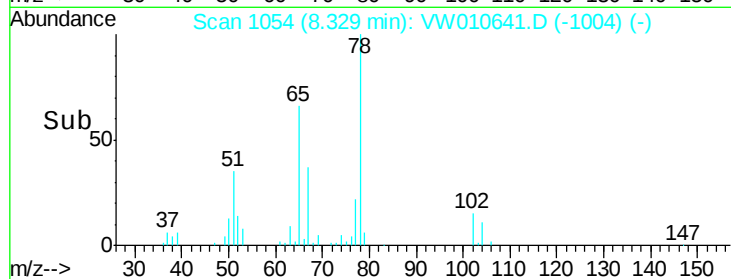
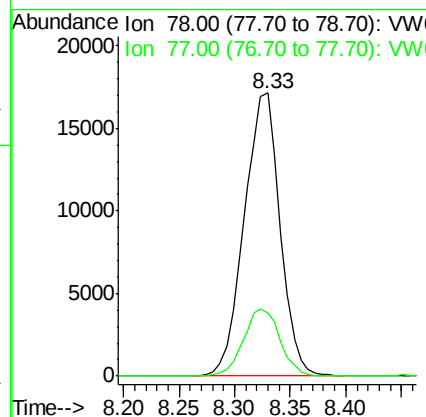
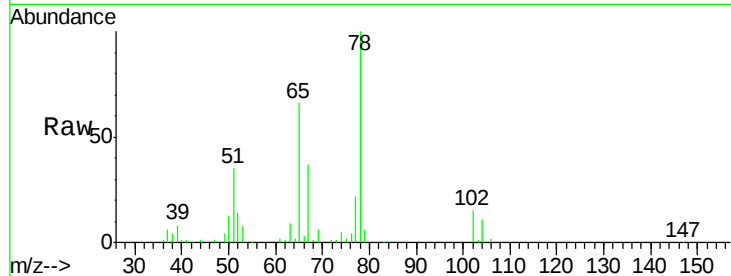
77 22.5 18.9 28.3

Manual Integrations

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#50

Toluene-d8

Concen: 52.939 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010641.D

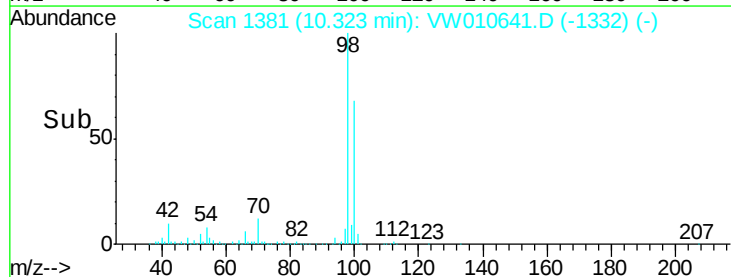
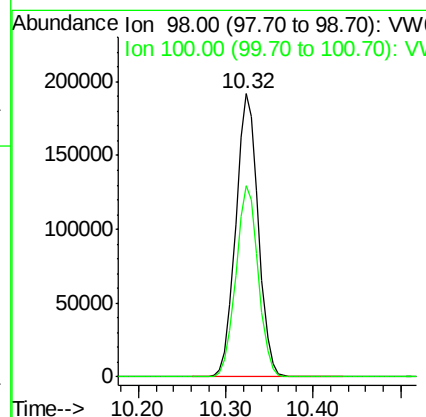
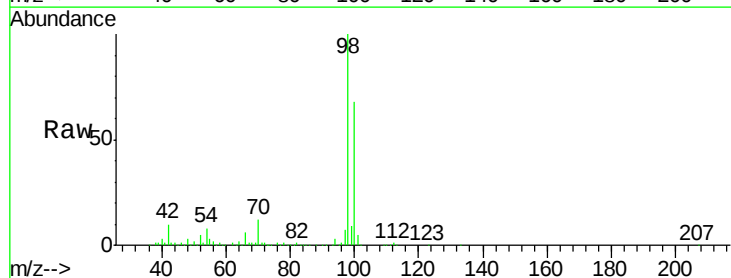
Acq: 31 May 2019 17:19

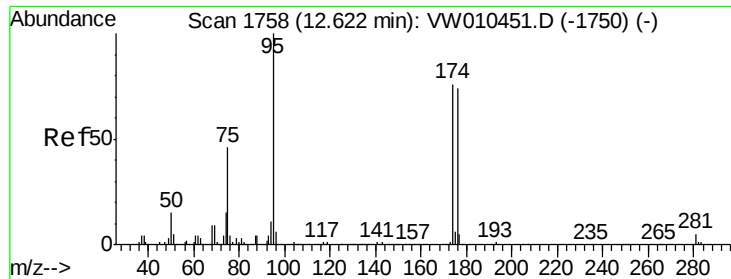
Tgt Ion: 98 Resp: 343861

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5





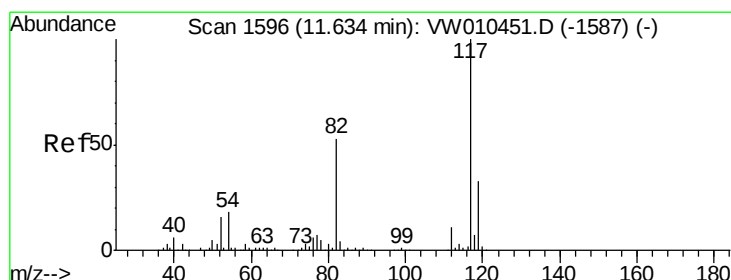
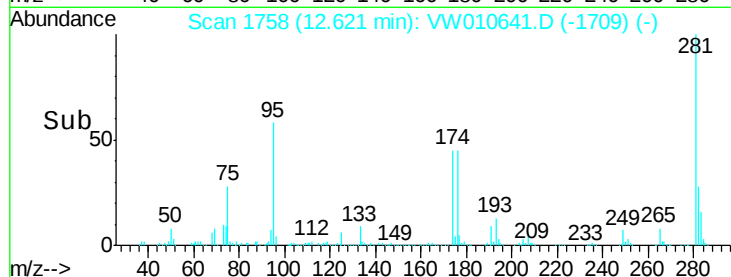
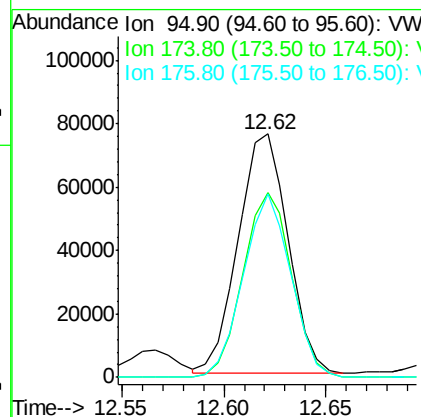
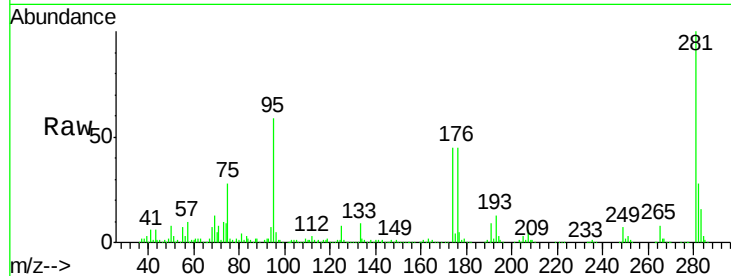
#62
4-Bromofluorobenzene
Concen: 49.329 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
0438-PR-1(PASSAIC)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	127623		
174	75.8	0.0	148.6	
176	73.3	0.0	144.2	

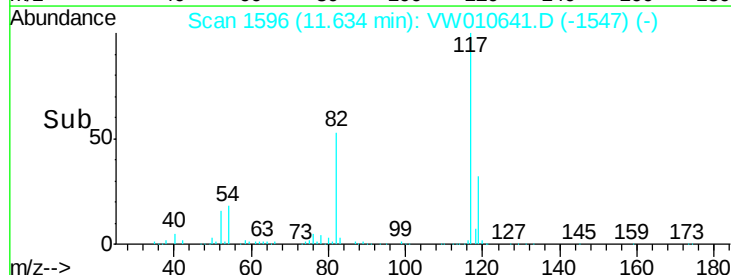
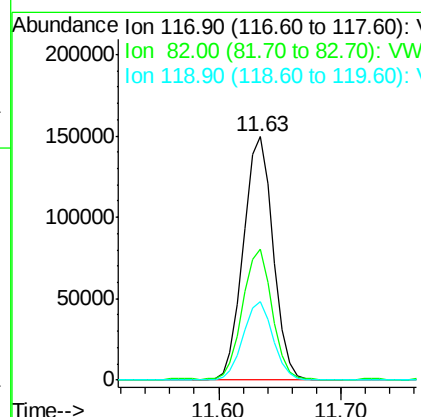
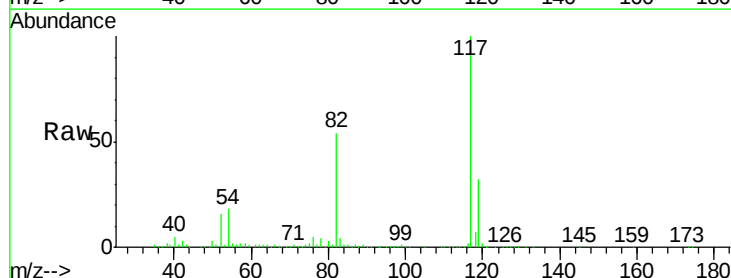
Manual Integrations
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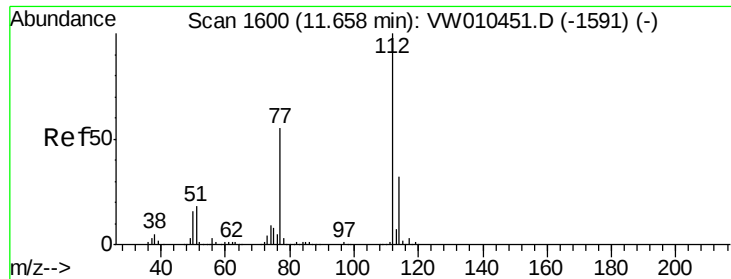
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	252038		
82	53.4	42.8	64.2	
119	32.2	26.3	39.5	





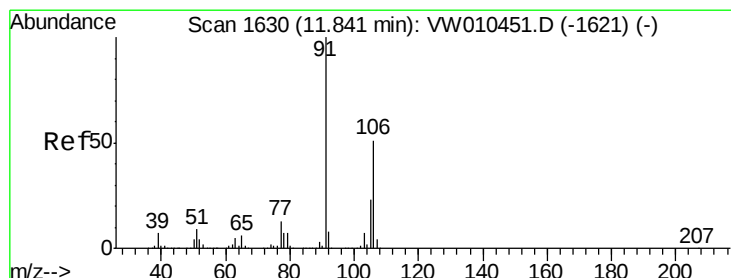
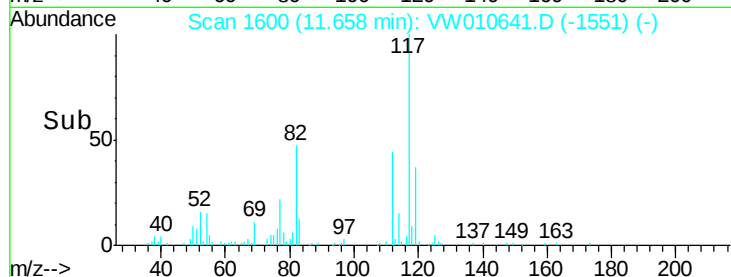
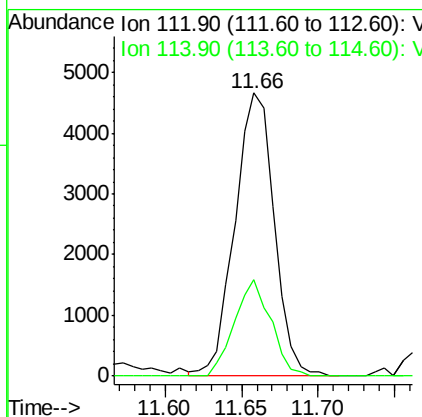
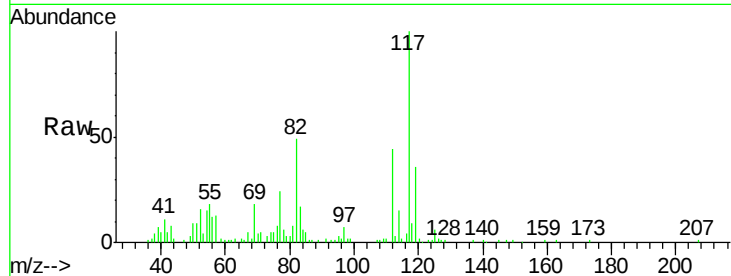
#65
Chlorobenzene
Concen: 1.548 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
0438-PR-1(PASSAIC)

Tot Ion:112 Resp: 8313
Ion Ratio Lower Upper
112 100
114 33.9 25.3 37.9

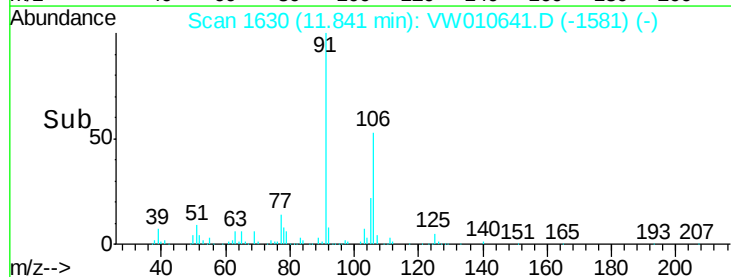
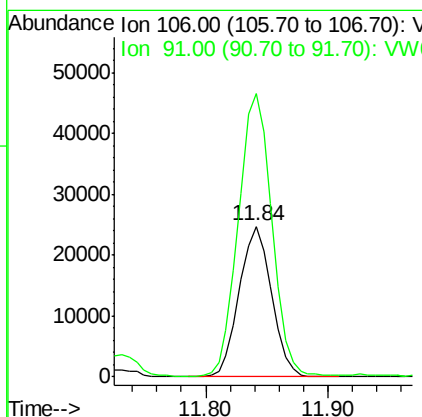
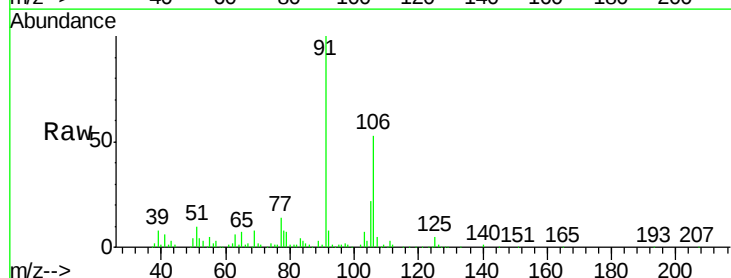
Manual Integrations
APPROVED

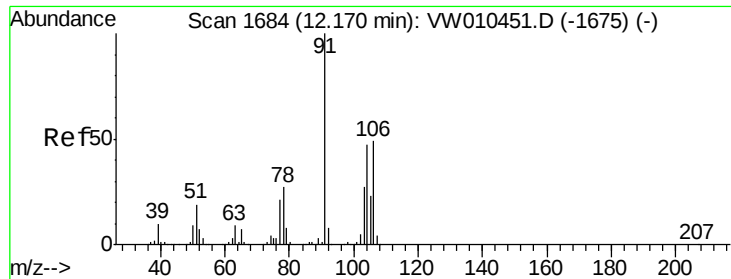
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#68
m/p-Xylenes
Concen: 12.217 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Tgt Ion:106 Resp: 45446
Ion Ratio Lower Upper
106 100
91 193.5 156.0 234.0





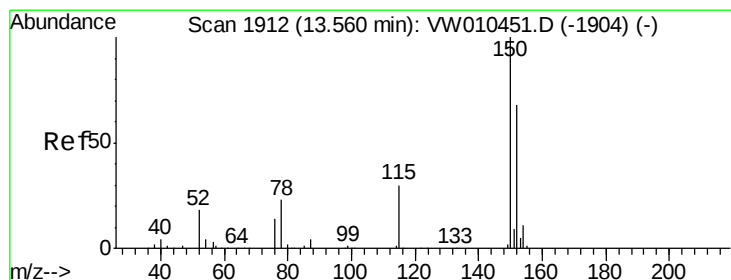
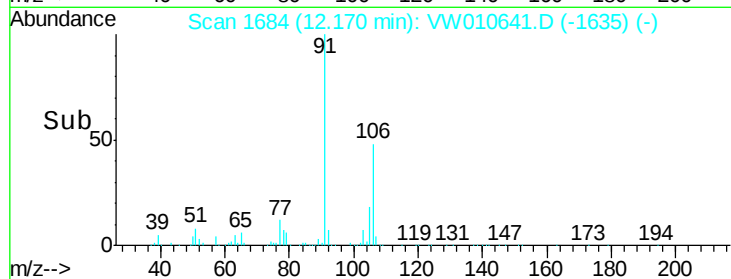
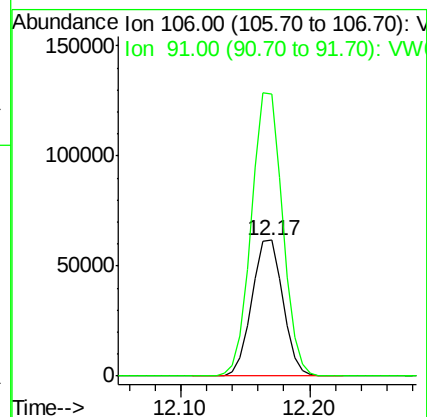
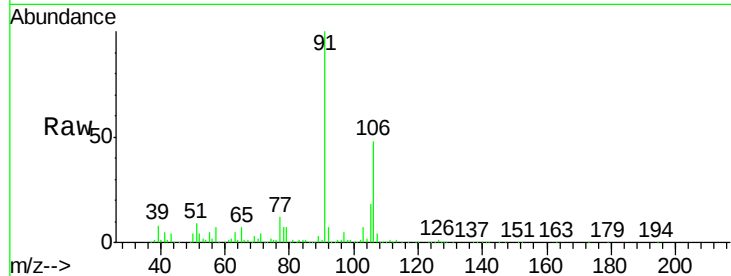
#69
o-Xylene
Concen: 29.144 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Instrument :
MSVOA_W
ClientSampleId :
0438-PR-1(PASSAIC)

Tot Ion	Ratio	Resp	Lower	Upper
106	100	102712		
91	208.2	103.2	309.4	

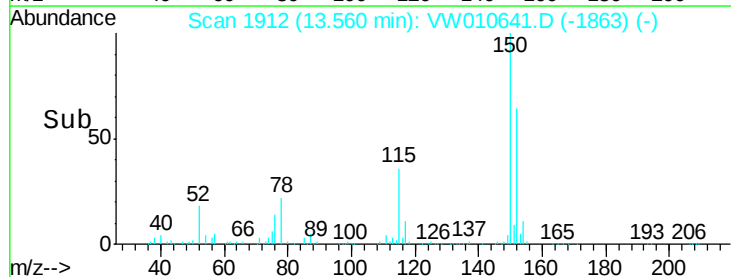
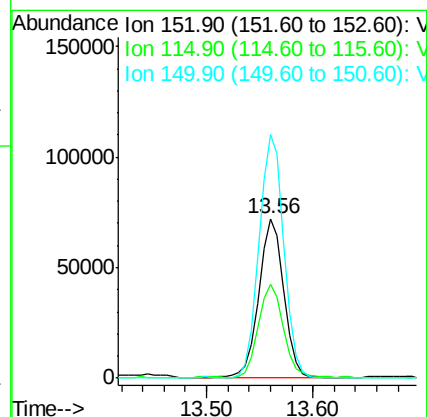
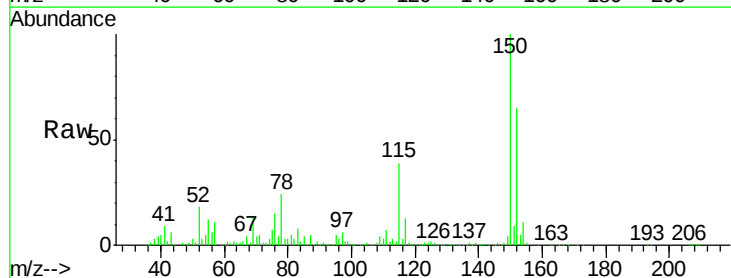
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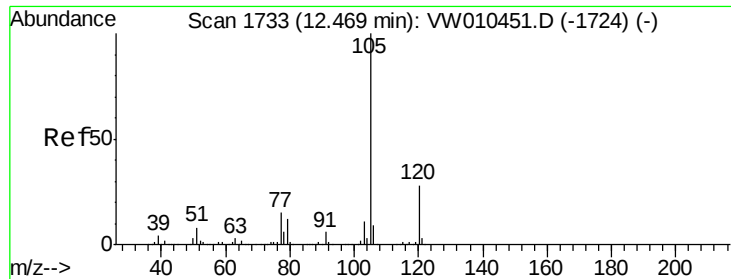
MMDadoda
6/11/2019 9:00:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	119165		
115	57.8	30.3	91.0	
150	150.4	0.0	349.8	





#73

Isopropylbenzene

Concen: 3.922 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010641.D

Acq: 31 May 2019 17:19

Instrument :

MSVOA_W

ClientSampleId :

0438-PR-1(PASSAIC)

Tot Ion:105 Resp: 37084

Ion Ratio Lower Upper

105 100

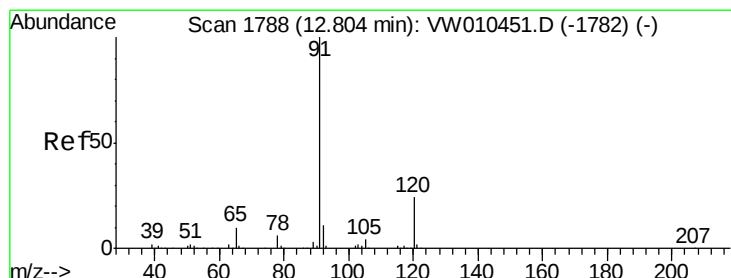
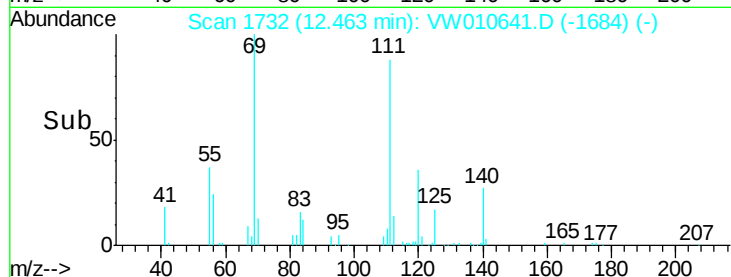
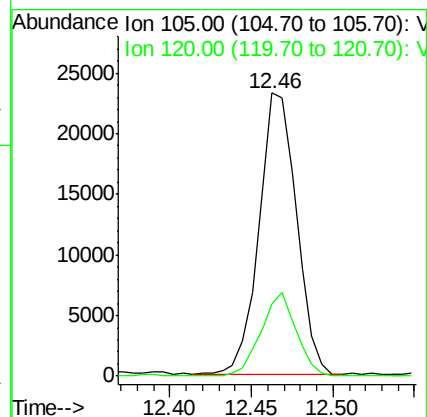
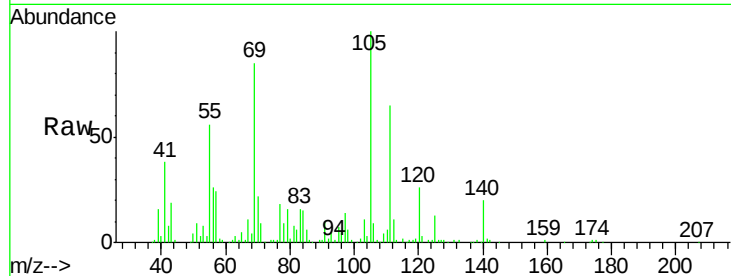
120 28.0 13.9 41.7

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#78

n-propylbenzene

Concen: 1.924 ug/l m

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010641.D

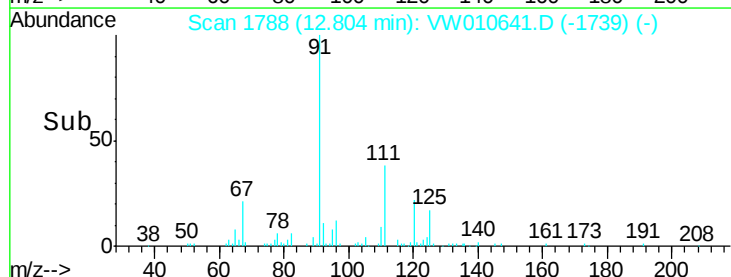
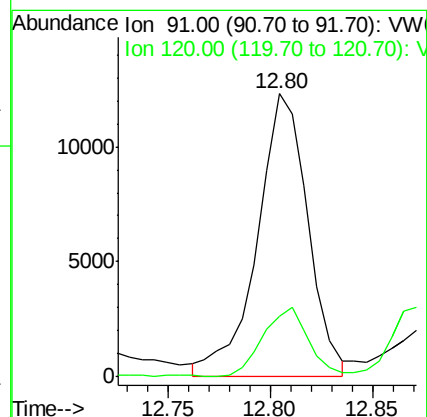
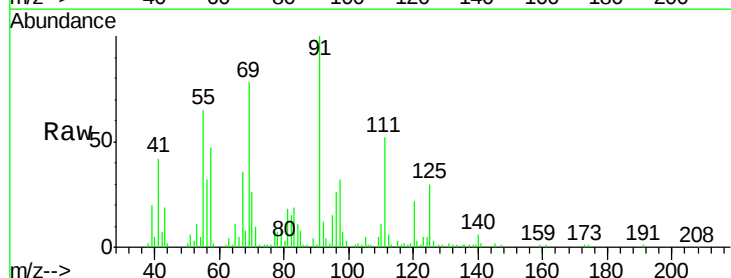
Acq: 31 May 2019 17:19

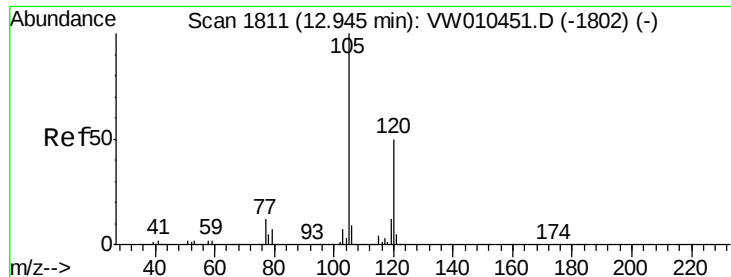
Tgt Ion: 91 Resp: 21205

Ion Ratio Lower Upper

91 100

120 0.0 12.3 36.8#





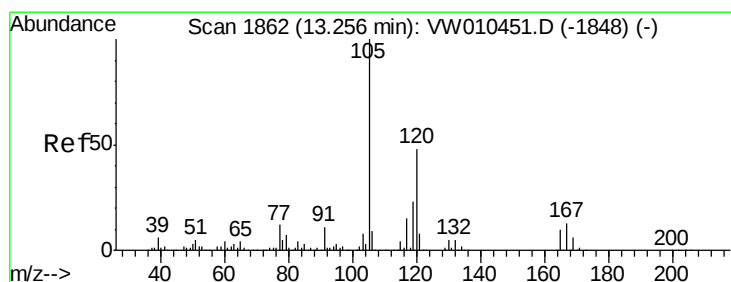
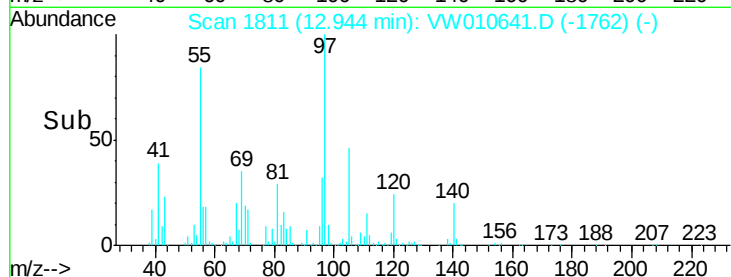
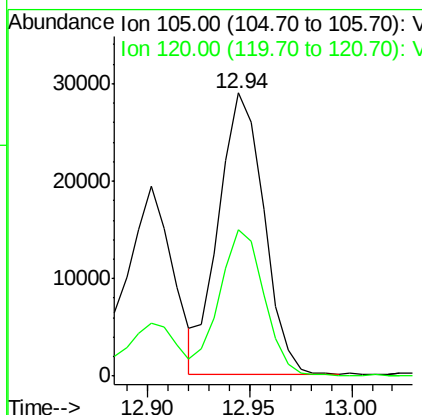
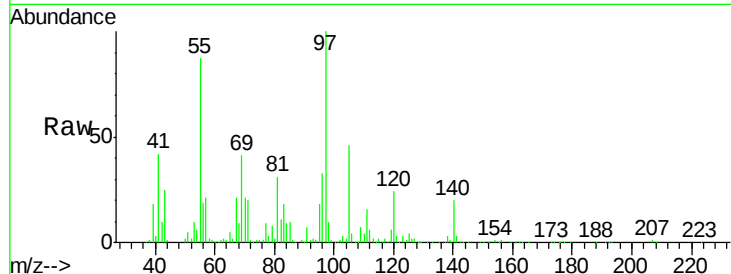
#80
 1,3,5-Trimethylbenzene
 Concen: 5.557 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW010641.D
 Acq: 31 May 2019 17:19

Instrument :
 MSVOA_W
 ClientSampleId :
 0438-PR-1(PASSAIC)

Tot Ion:105 Resp: 44505
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.2 75.6

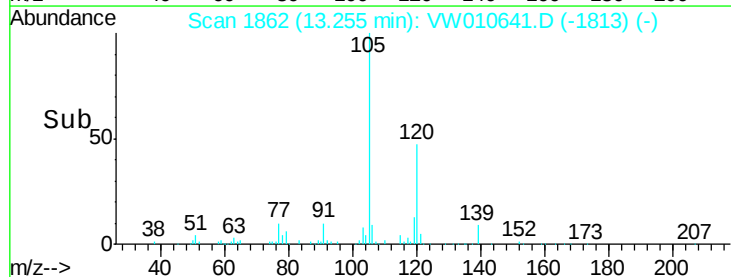
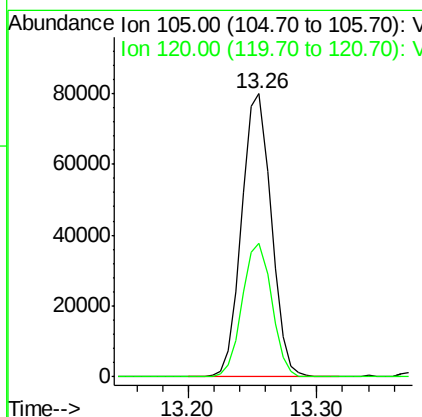
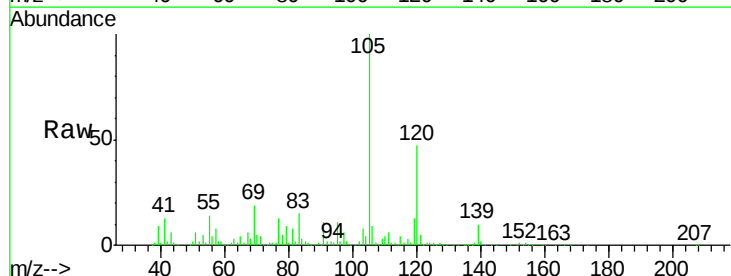
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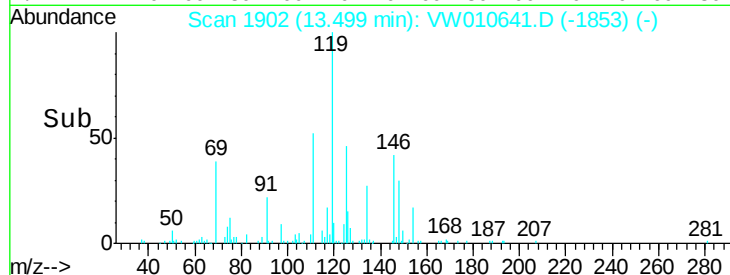
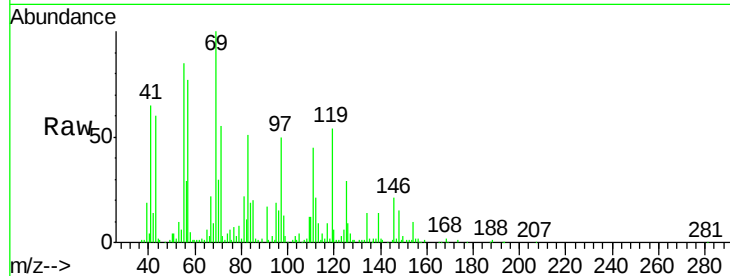
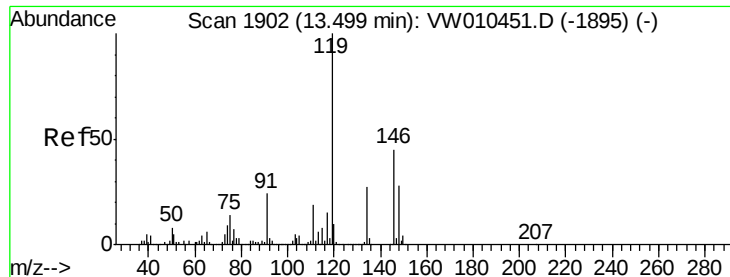
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 6/11/2019 9:00:18 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 15.778 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW010641.D
 Acq: 31 May 2019 17:19

Tgt Ion:105 Resp: 125857
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.4 70.2





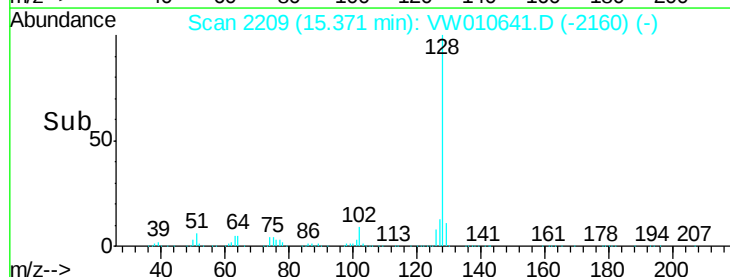
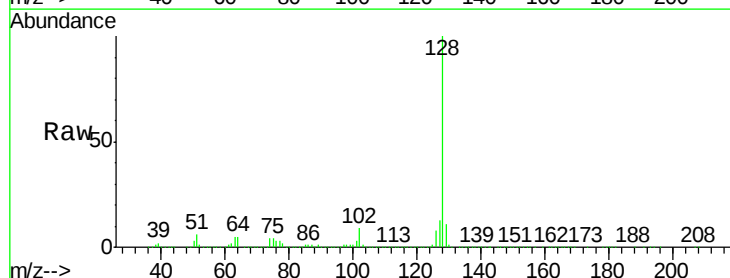
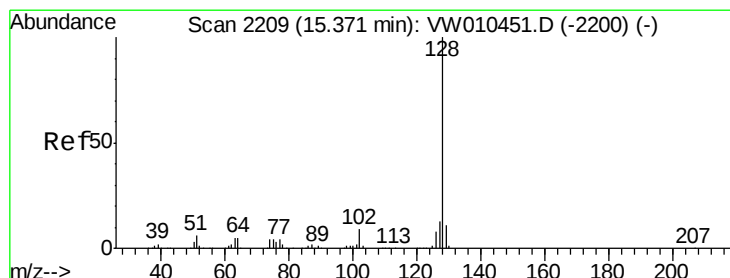
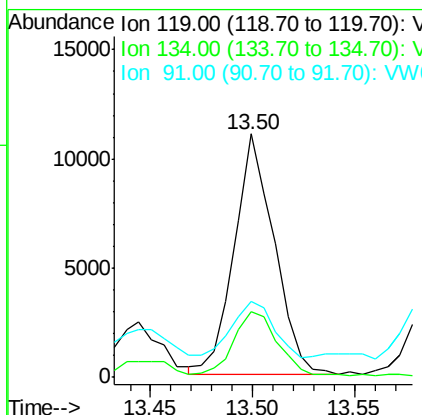
#86
p-Isopropyltoluene
Concen: 1.687 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Tot Ion:	119	Resp:	14946
Ion Ratio	Lower	Upper	
119	100		
134	31.4	13.6	40.7
91	23.6	11.9	35.7

Instrument :
MSVOA_W
ClientSampleId :
0438-PR-1(PASSAIC)

Manual Integrations
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#95
Naphthalene
Concen: 274.076 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010641.D
Acq: 31 May 2019 17:19

Tgt Ion:	128	Resp:	1480771
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.1	8.9	13.3

