

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100419\
 Data File : VW013445.D
 Acq On : 04 Oct 2019 17:54
 Operator : SY/VA
 Sample : K5215-11
 Misc : 5.25G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 13933

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 11:48:01 AM

Quant Time: Oct 05 06:44:22 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	318499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166548	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121631	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.88	113	129764	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	610774	60.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.22%	
62) 4-Bromofluorobenzene	12.62	95	195403	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
Target Compounds						
						Qvalue
16) Acetone	4.11	43	41462463m	56879.995	ug/l	
31) Cyclohexane	7.92	56	1849183	339.877	ug/l #	45
39) Methylcyclohexane	9.34	83	976751	171.119	ug/l	98
40) Benzene	8.32	78	24774	2.019	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	41652	22.020	ug/l	96
52) Toluene	10.38	92	23819089m	3009.887	ug/l	
67) Ethyl Benzene	11.73	91	2496897	177.051	ug/l	99
68) m/p-Xylenes	11.84	106	3341739	613.895	ug/l	98
69) o-Xylene	12.16	106	1710426	339.844	ug/l	98
73) Isopropylbenzene	12.46	105	639997	52.534	ug/l	99
78) n-propylbenzene	12.80	91	1988987	141.934	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1697231	167.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	6286353	624.859	ug/l	98
85) sec-Butylbenzene	13.38	105	579453	47.546	ug/l	88
86) p-Isopropyltoluene	13.50	119	306862	27.169	ug/l	99
89) n-Butylbenzene	13.82	91	584467m	57.398	ug/l	
95) Naphthalene	15.36	128	287771	48.859	ug/l	98

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

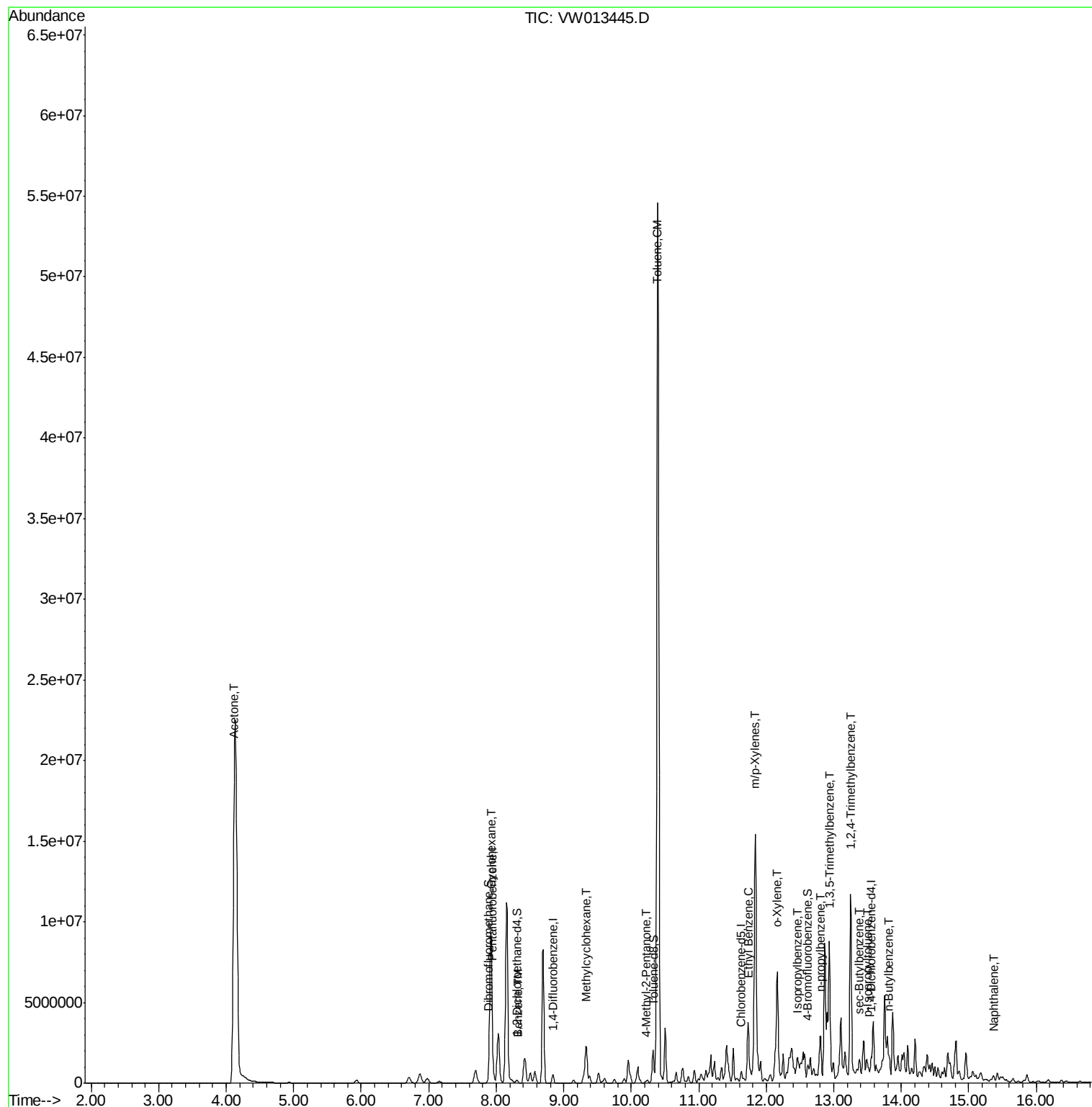
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100419\
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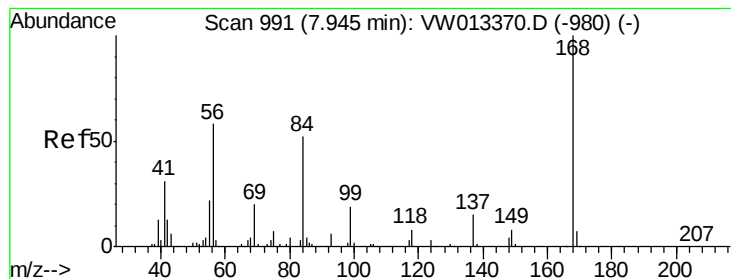
Instrument :
MSVOA_W
ClientSampleId :
13933

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Quant Time: Oct 05 06:44:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
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: VW013445.D

Acq: 04 Oct 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :

13933

Tot Ion:168 Resp: 318499

Ion Ratio Lower Upper

168 100

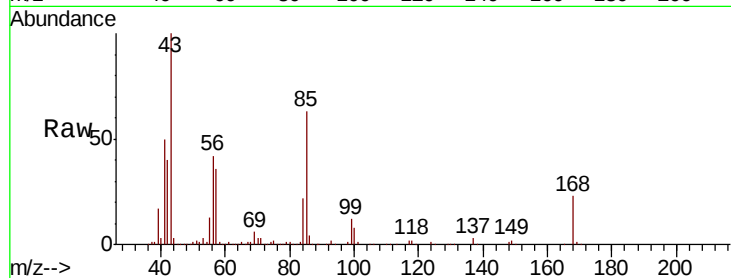
99 49.5 40.2 60.4

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

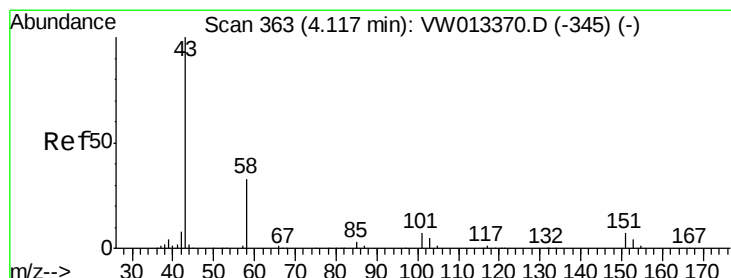
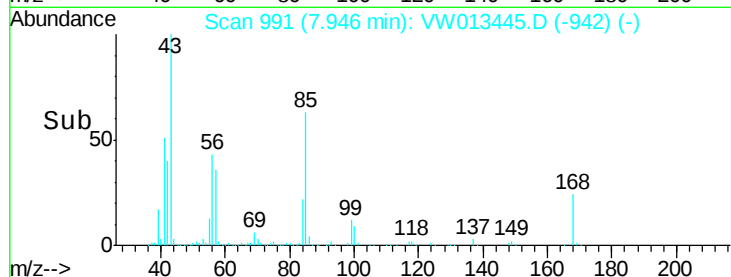
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 56879.995 ug/l m

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW013445.D

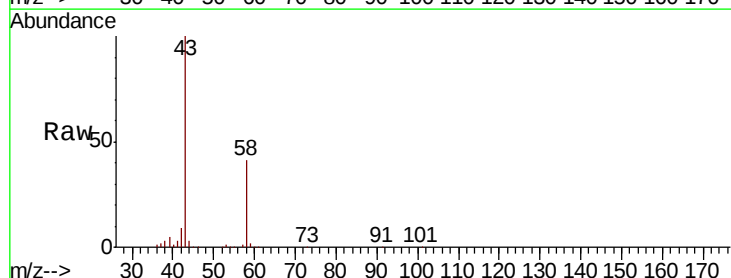
Acq: 04 Oct 2019 17:54

Tgt Ion: 43 Resp:41462463

Ion Ratio Lower Upper

43 100

58 40.9 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.11

8000000

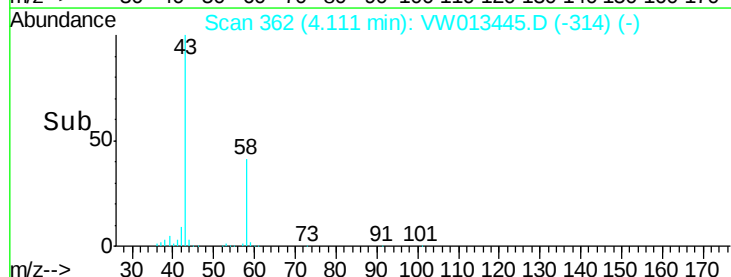
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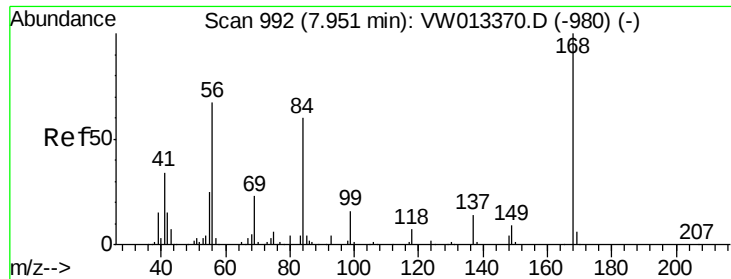
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2000000

0

Time--> 4.00 4.20 4.40





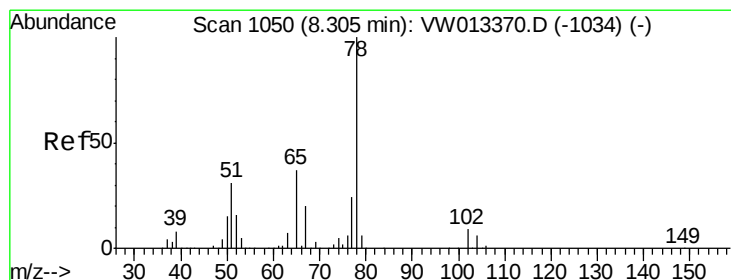
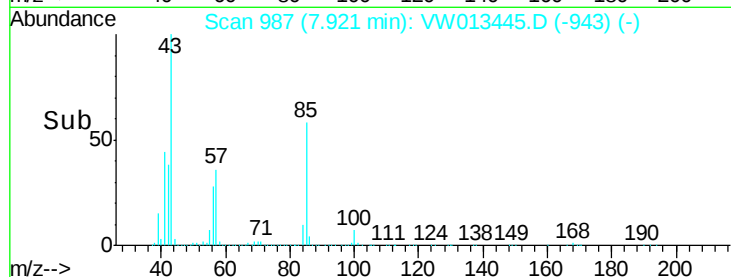
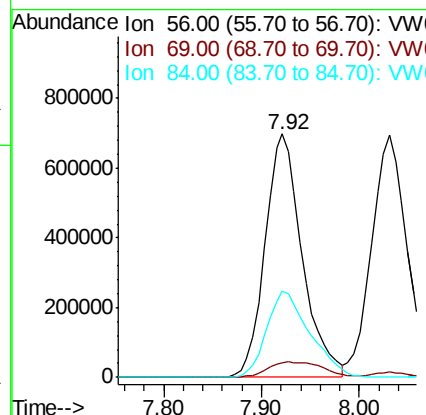
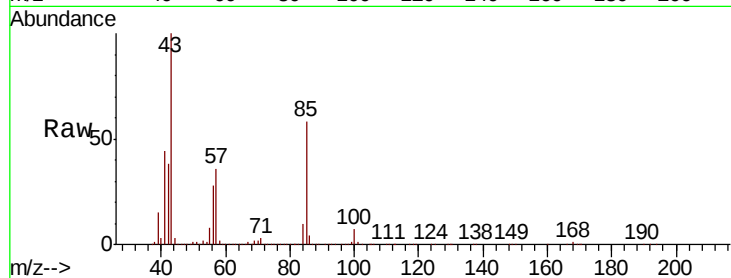
#31
Cyclohexane
Concen: 339.877 ug/l
RT: 7.92 min Scan# 987
Delta R.T. -0.03 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampled :
13933

Tot Ion	56	Resp	1849183
Ion Ratio	100	Lower	Upper
56	100		
69	6.2	27.2	40.8#
84	35.2	70.8	106.2#

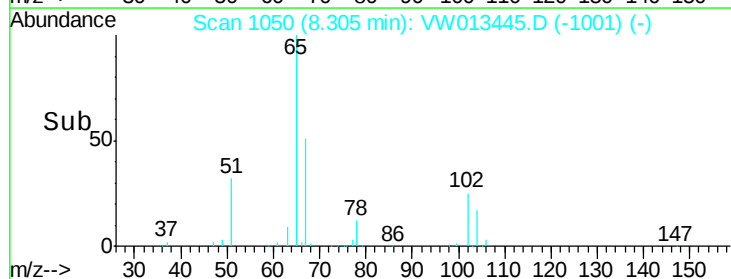
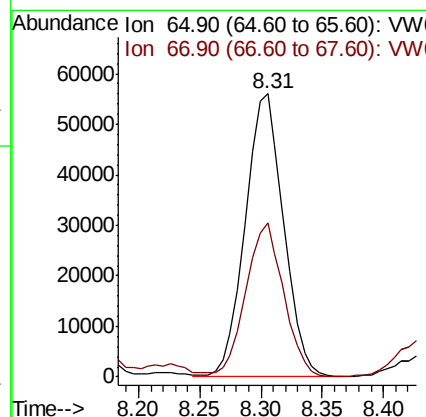
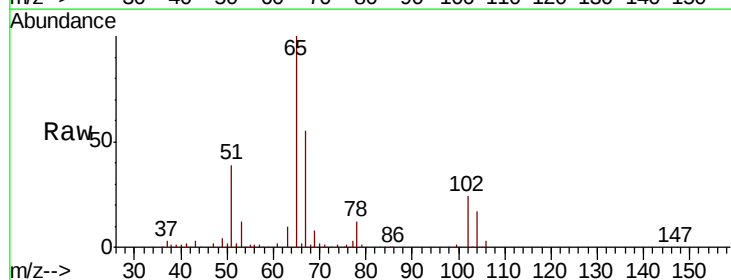
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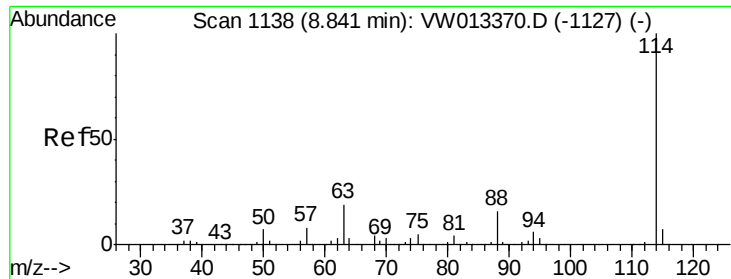
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#33
1,2-Dichloroethane-d4
Concen: 51.145 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion	65	Resp	121631
Ion Ratio	100	Lower	Upper
65	100		
67	53.7	0.0	106.2





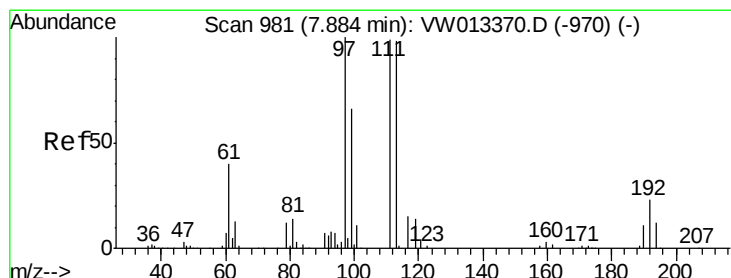
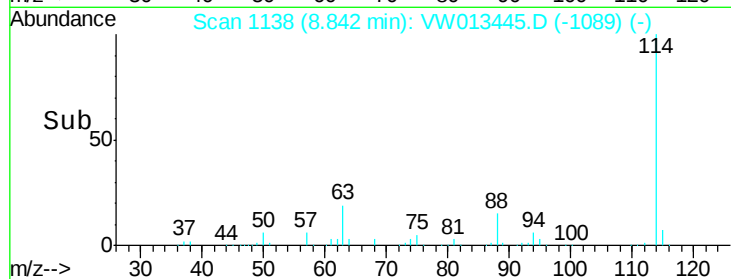
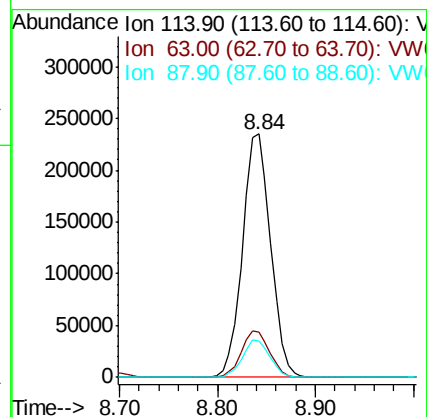
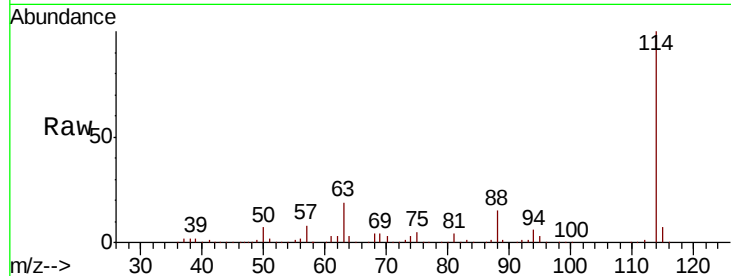
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013445.D
 Acq: 04 Oct 2019 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 13933

Tot Ion	Ratio	Resp	Lower	Upper
114	100	466640		
63	18.6		0.0	41.4
88	15.0		0.0	32.0

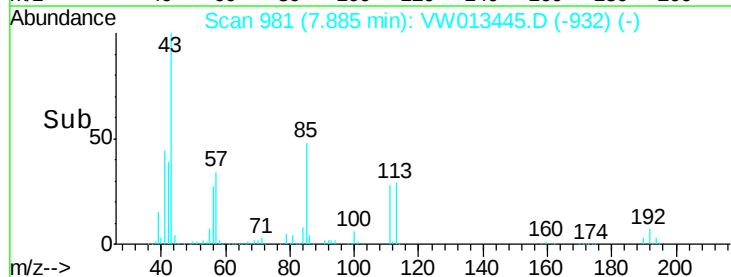
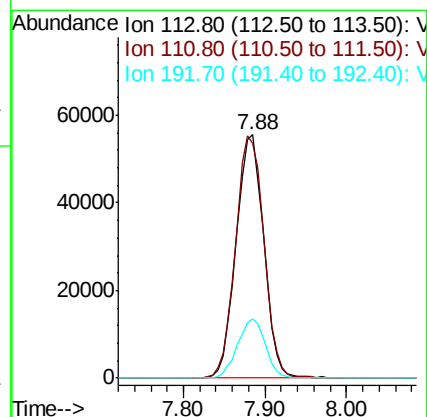
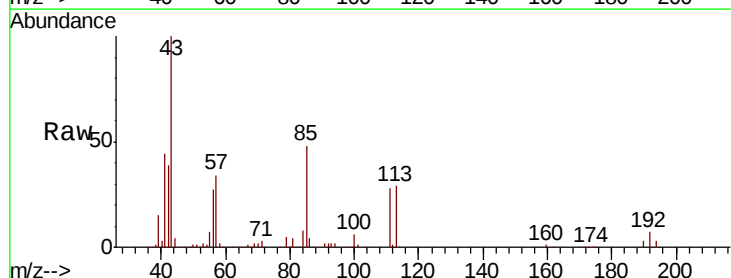
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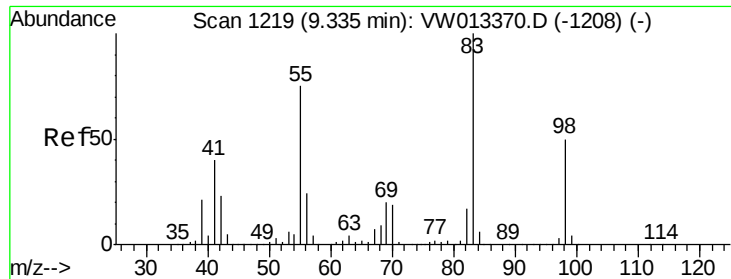
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#35
 Dibromofluoromethane
 Concen: 52.996 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013445.D
 Acq: 04 Oct 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	129764		
111	102.1		81.9	122.9
192	24.3		19.1	28.7





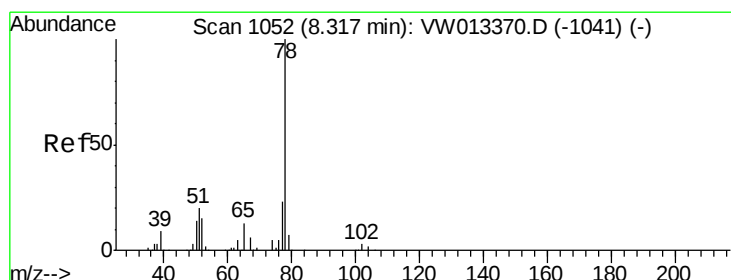
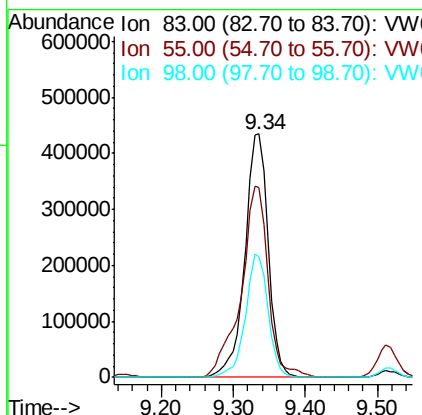
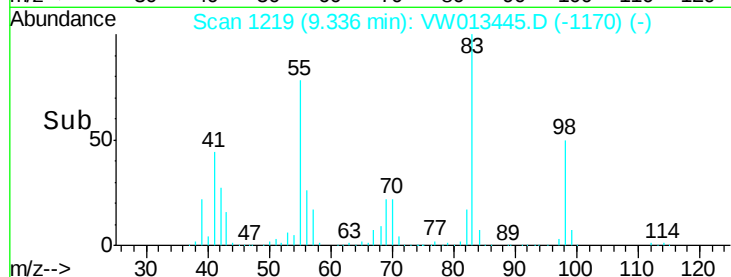
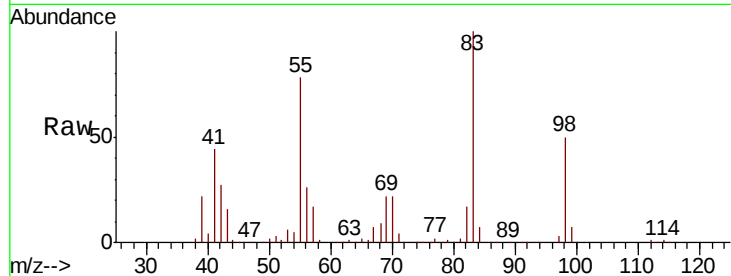
#39
Methvlcvclohexane
Concen: 171.119 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampled :
13933

Tot Ion	Ratio	Resp	Lower	Upper
83	100	976751		
55	77.8		60.4	90.6
98	49.8		40.0	60.0

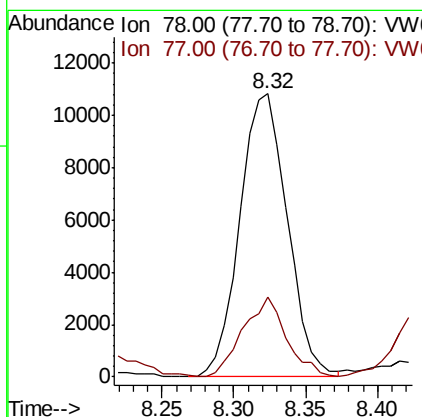
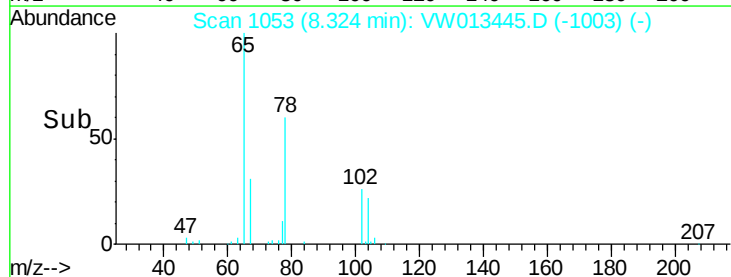
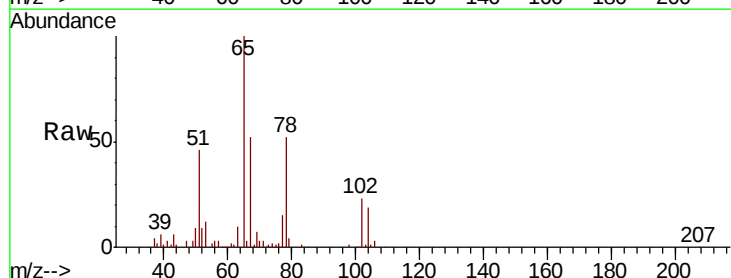
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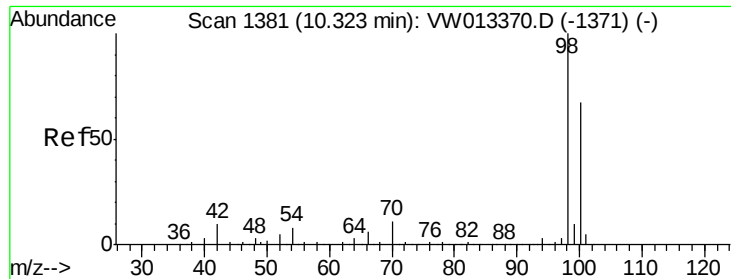
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#40
Benzene
Concen: 2.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	24774		
77	28.2		19.1	28.7





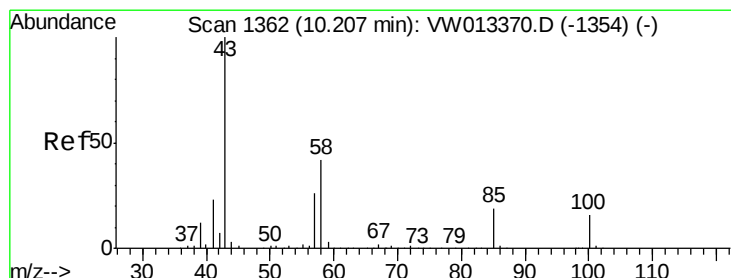
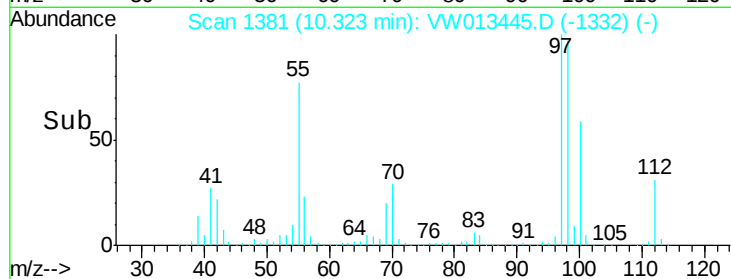
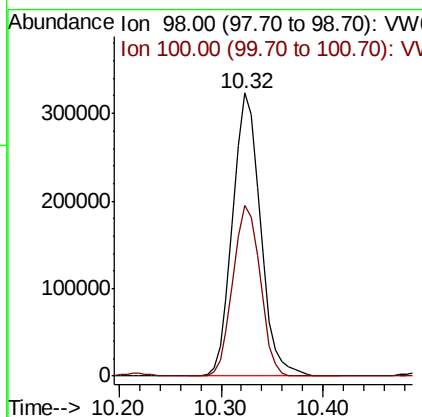
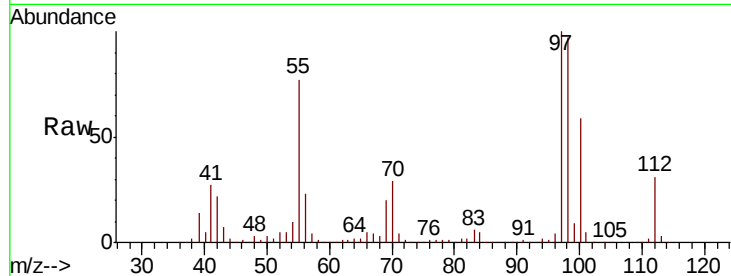
#50
Toluene-d8
Concen: 60.109 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampled :
13933

Tot Ion: 98 Resp: 610774
Ion Ratio Lower Upper
98 100
100 59.2 52.9 79.3

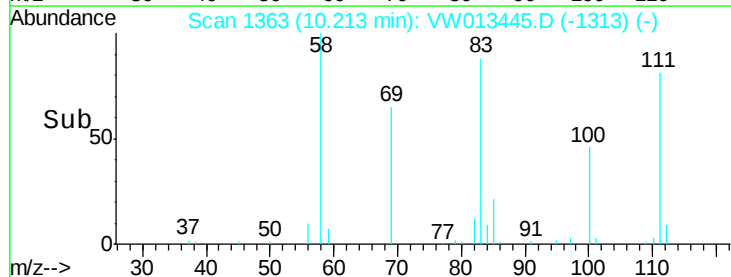
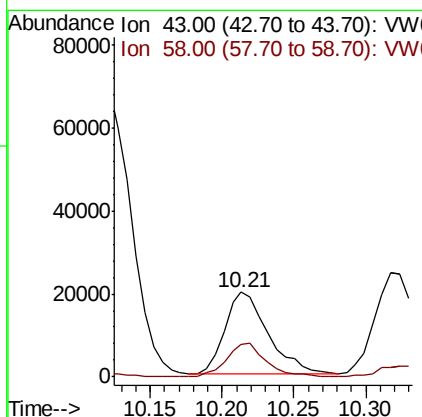
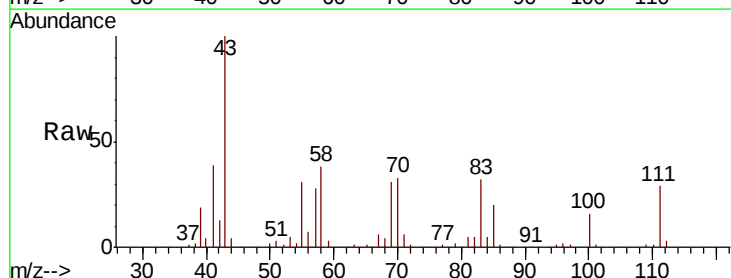
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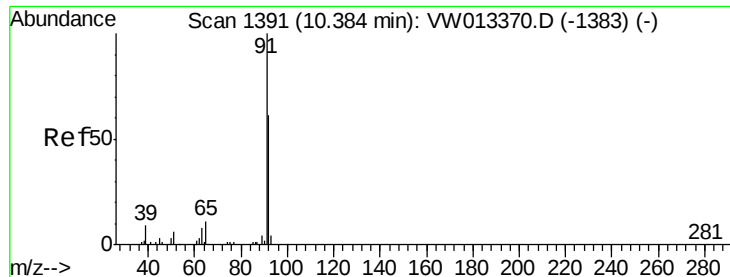
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#51
4-Methyl-2-Pentanone
Concen: 22.020 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion: 43 Resp: 41652
Ion Ratio Lower Upper
43 100
58 37.0 31.7 47.5





#52

Toluene

Concen: 3009.887 ug/l m

RT: 10.38 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VW013445.D

Acq: 04 Oct 2019 17:54

Instrument :

MSVOA_W

ClientSampleId :
13933

Tot Ion: 92 Resp: 23819089

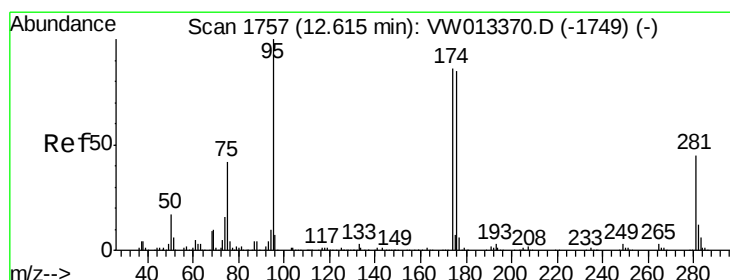
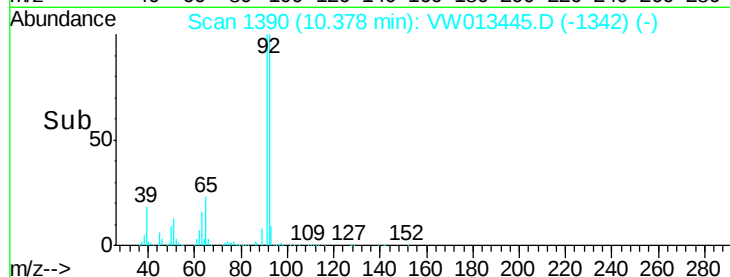
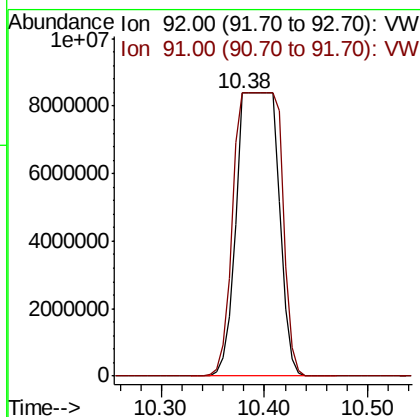
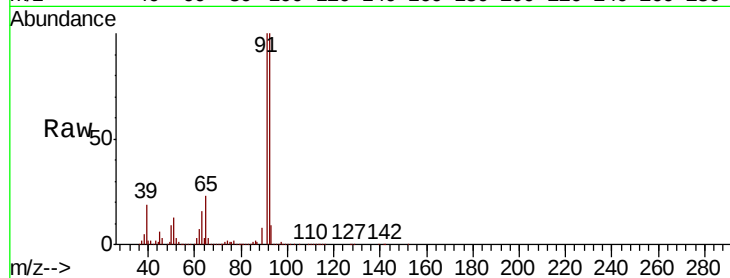
Ion Ratio Lower Upper

92 100

91 0.0 135.7 203.5#

Manual Integrations
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10/9/2019 11:48:01 AM



#62

4-Bromofluorobenzene

Concen: 57.587 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013445.D

Acq: 04 Oct 2019 17:54

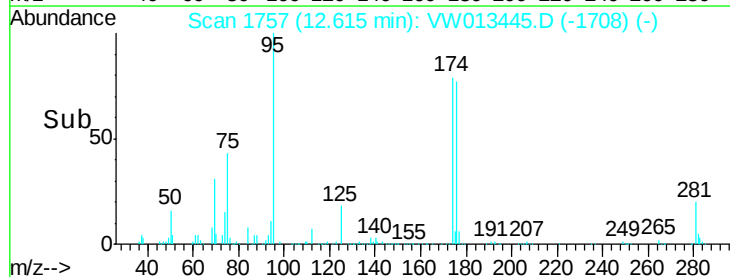
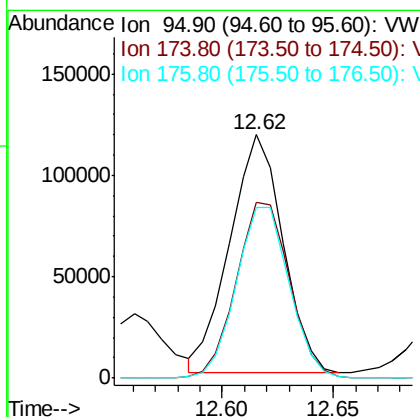
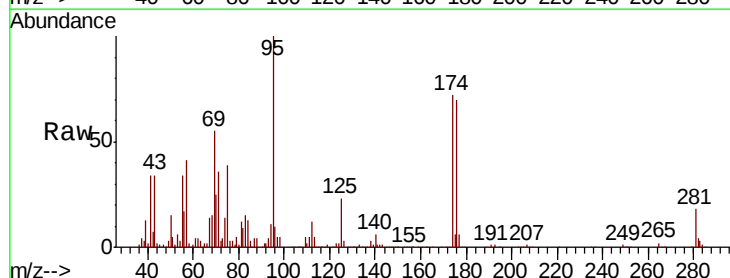
Tgt Ion: 95 Resp: 195403

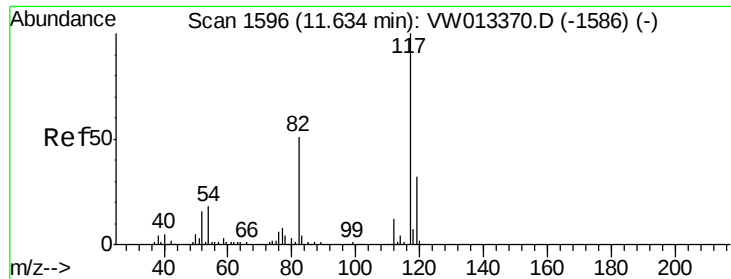
Ion Ratio Lower Upper

95 100

174 74.4 0.0 178.4

176 71.7 0.0 172.2





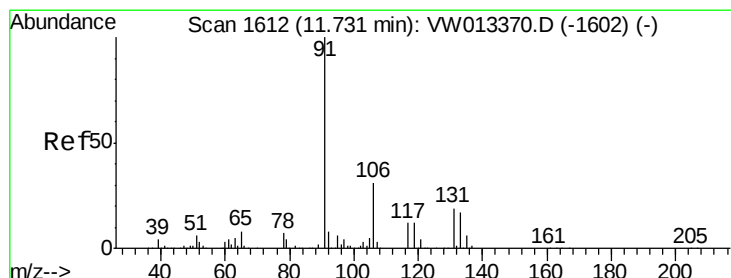
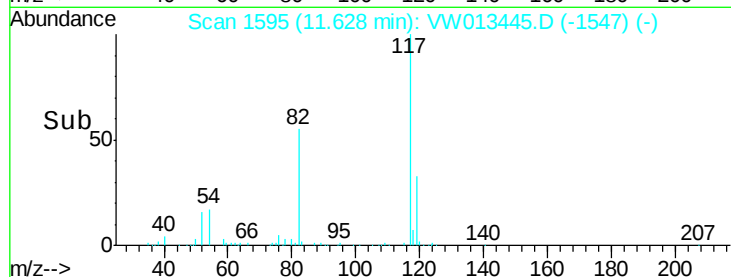
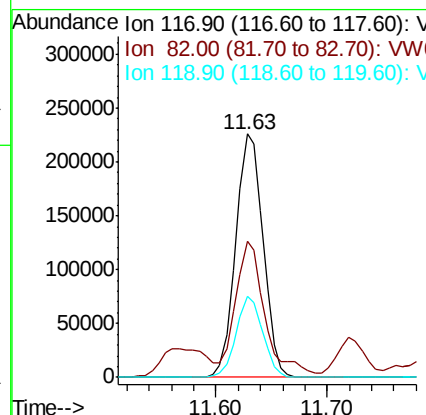
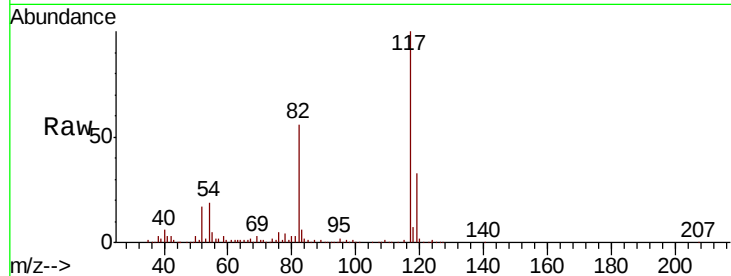
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampleId :
13933

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.7	45.9	68.9#
119	33.4	26.2	39.2

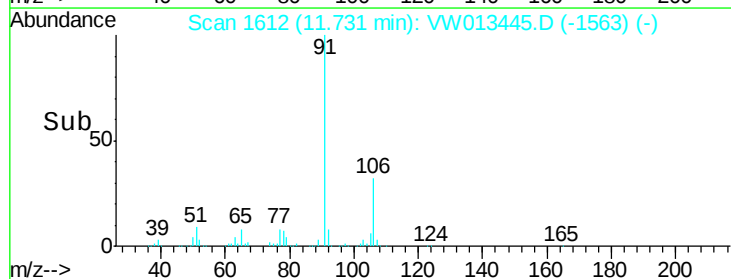
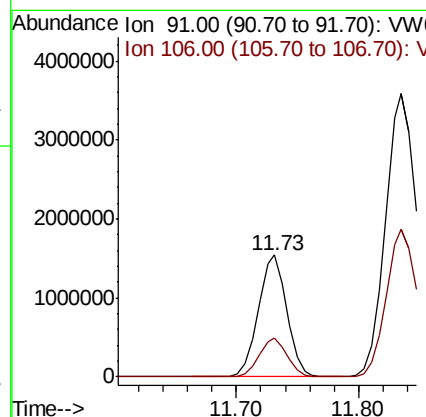
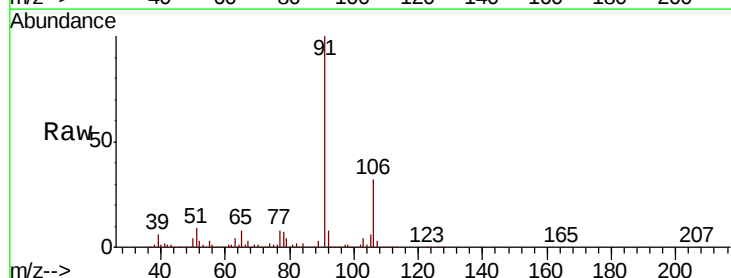
Manual Integrations
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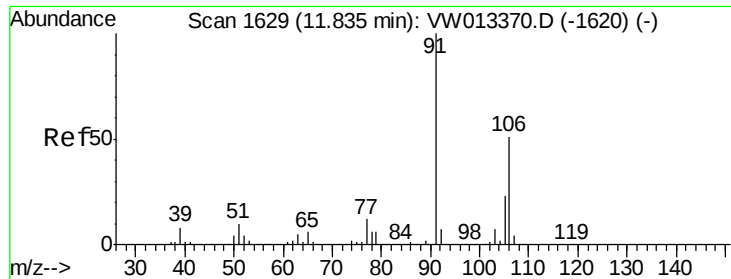
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#67
Ethyl Benzene
Concen: 177.051 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.9	37.3





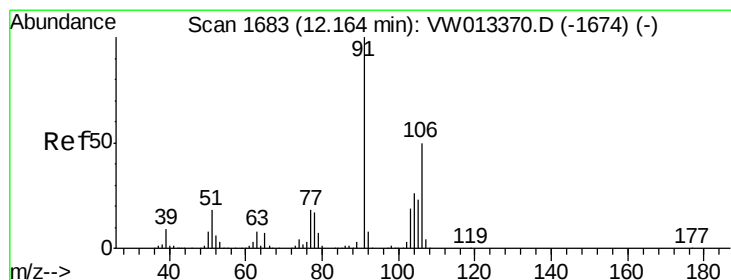
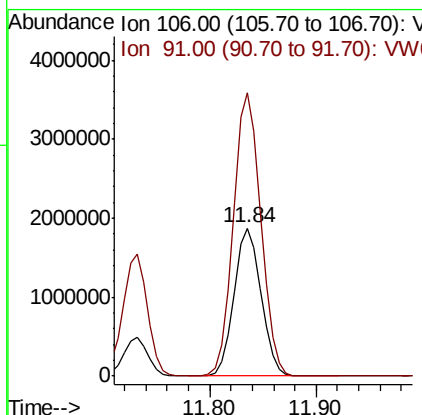
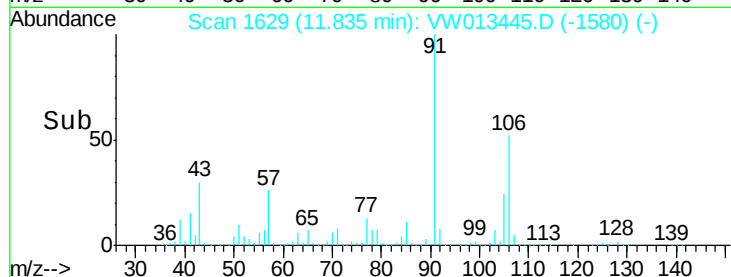
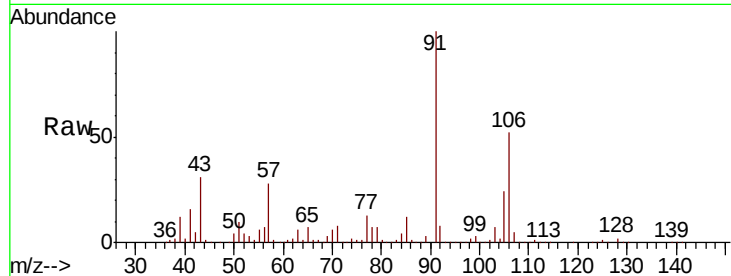
#68
m/p-Xylenes
Concen: 613.895 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampleId :
13933

Tot Ion:106 Resp: 3341739
Ion Ratio Lower Upper
106 100
91 194.2 157.9 236.9

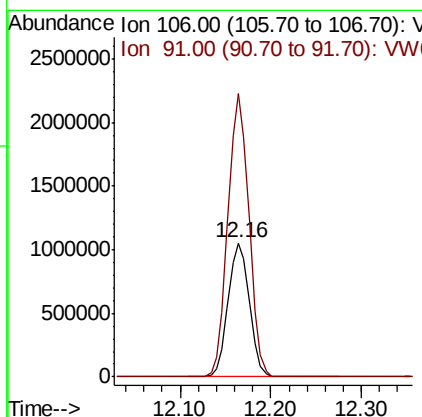
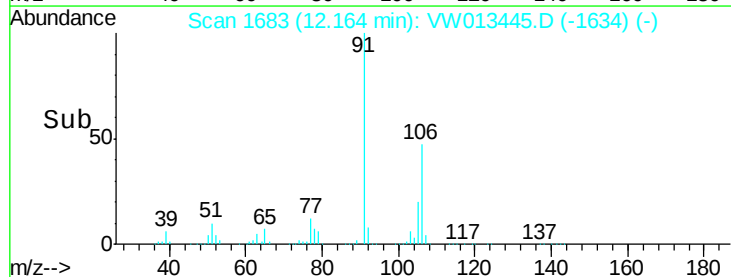
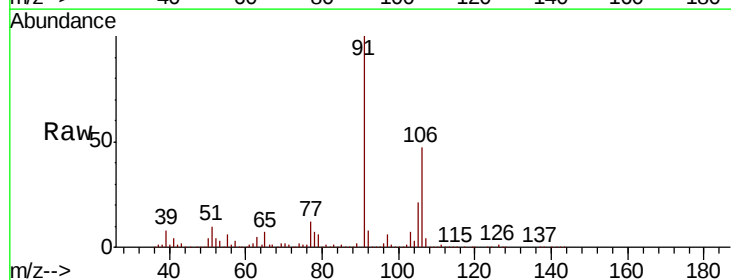
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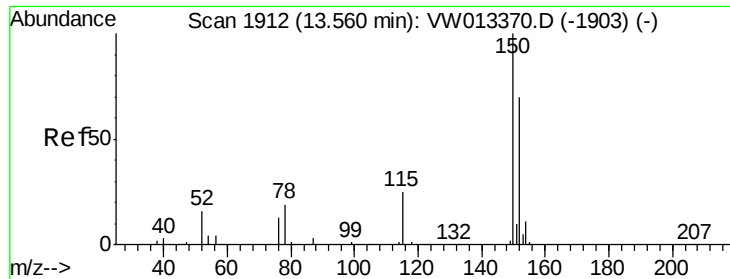
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#69
o-Xylene
Concen: 339.844 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion:106 Resp: 1710426
Ion Ratio Lower Upper
106 100
91 210.0 106.5 319.5





#72

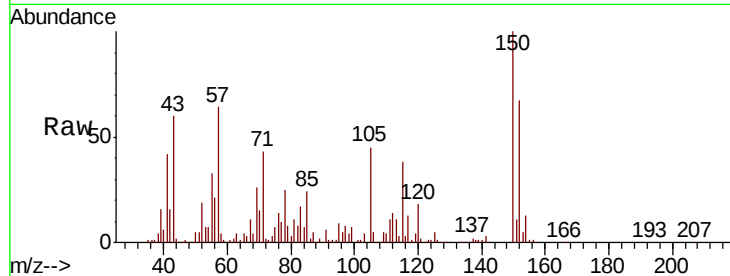
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampleId :
13933

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.3	81.9
150	149.0	0.0	349.0

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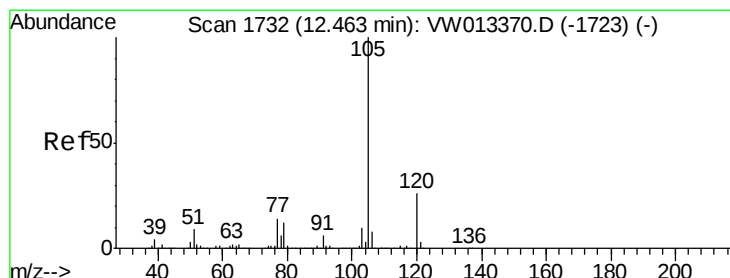
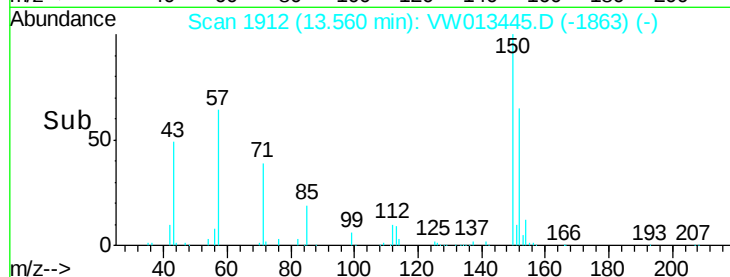
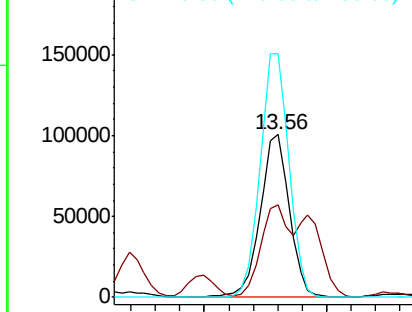


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

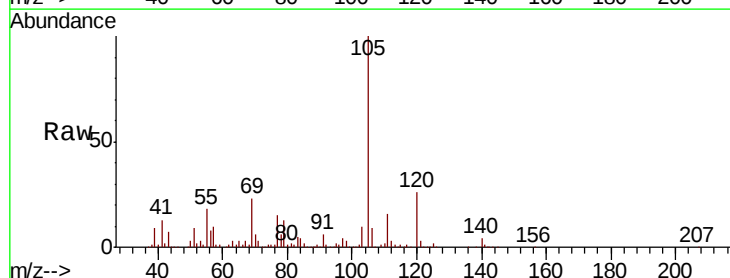
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 52.534 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

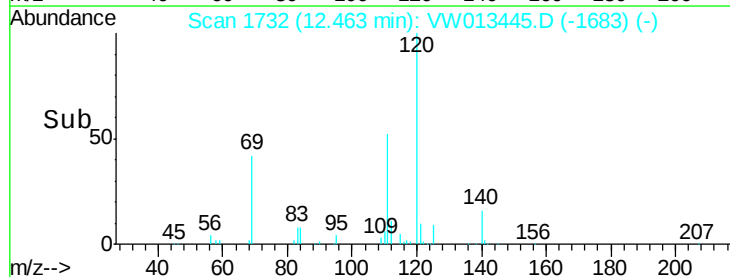
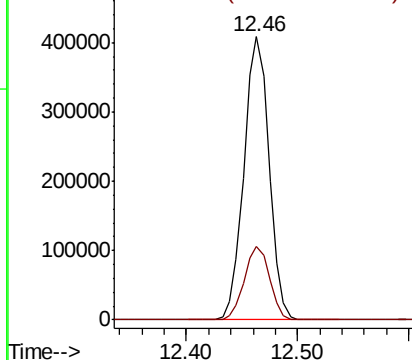
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.4	40.1

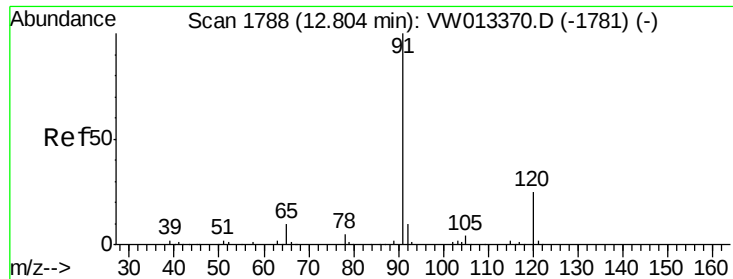


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





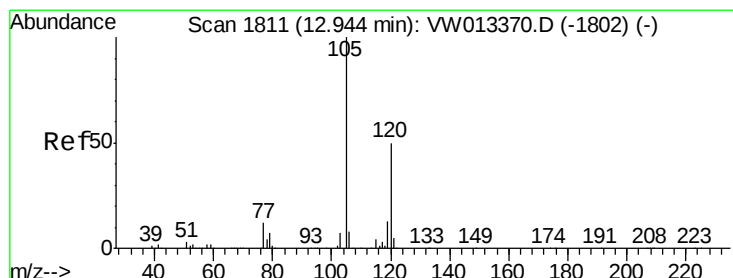
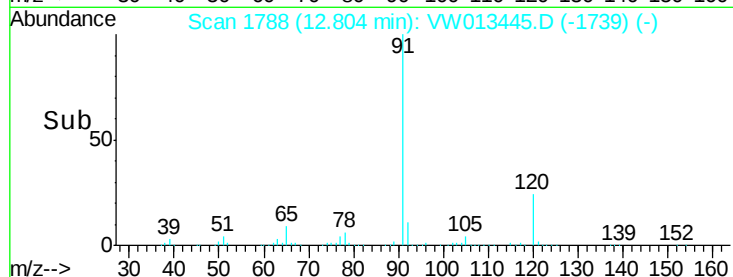
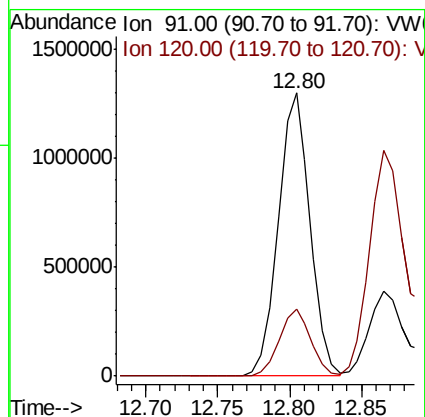
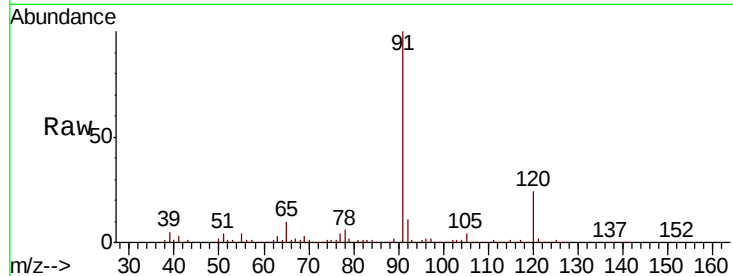
#78
n-propylbenzene
Concen: 141.934 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampled :
13933

Tot Ion: 91 Resp: 1988987
Ion Ratio Lower Upper
91 100
120 23.7 11.7 35.1

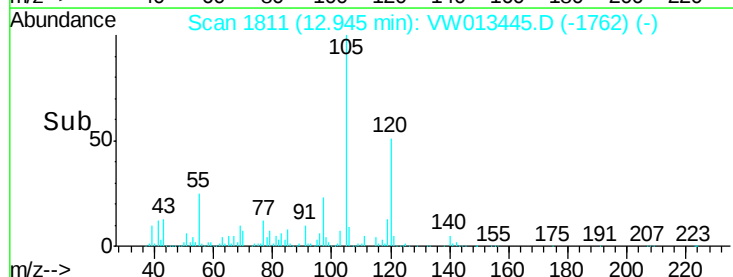
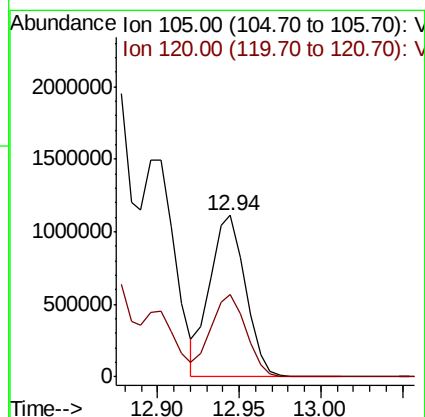
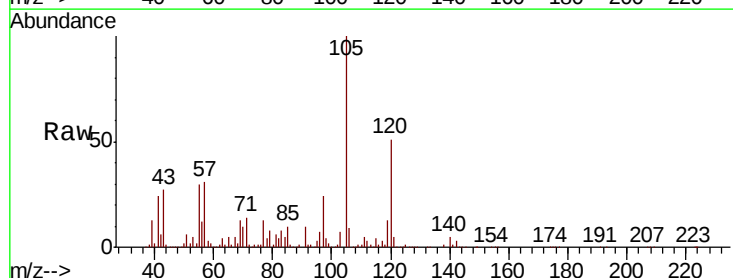
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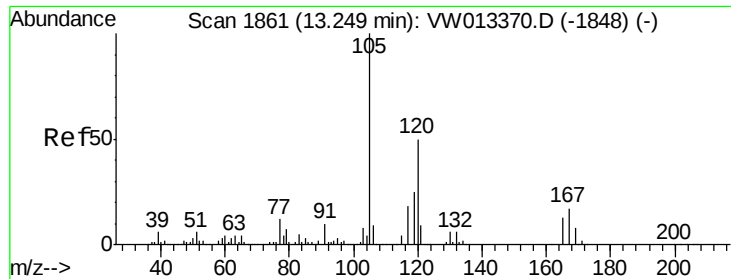
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#80
1,3,5-Trimethylbenzene
Concen: 167.711 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion: 105 Resp: 1697231
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.8





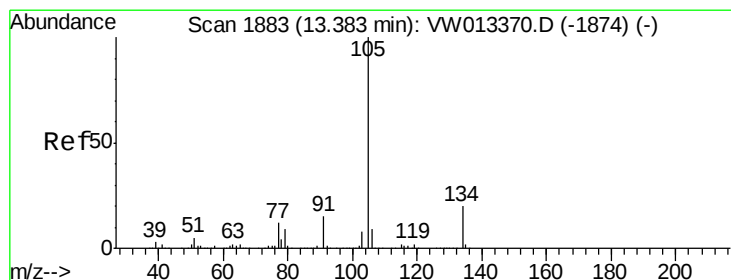
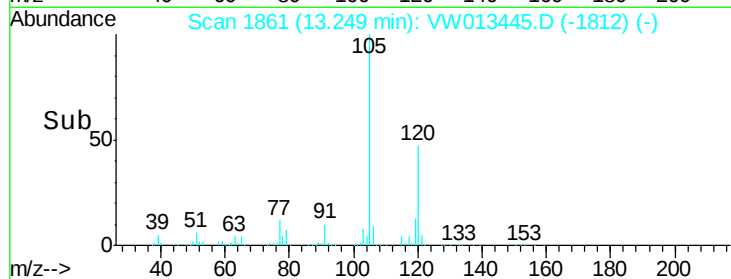
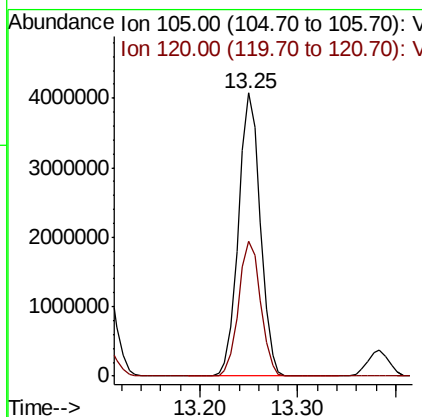
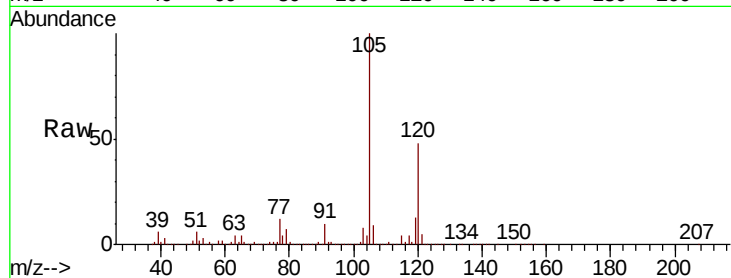
#84
 1,2,4-Trimethylbenzene
 Concen: 624.859 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013445.D
 Acq: 04 Oct 2019 17:54

Instrument :
 MSVOA_W
 ClientSampleId :
 13933

Tot Ion:105 Resp: 6286353
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.4 70.3

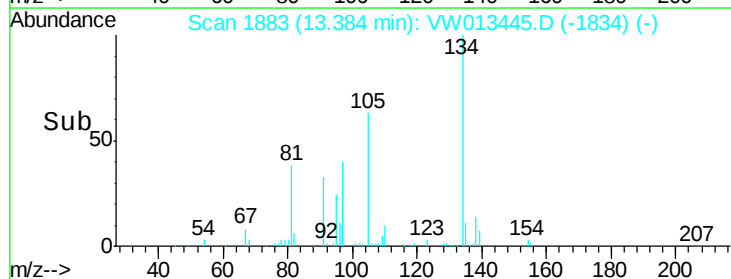
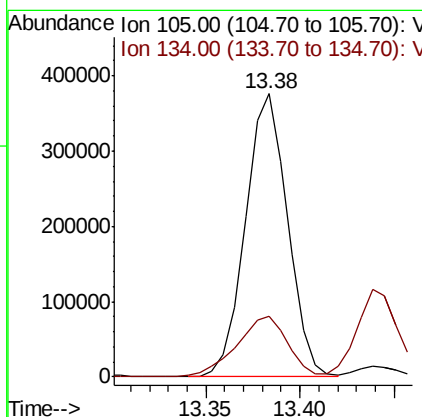
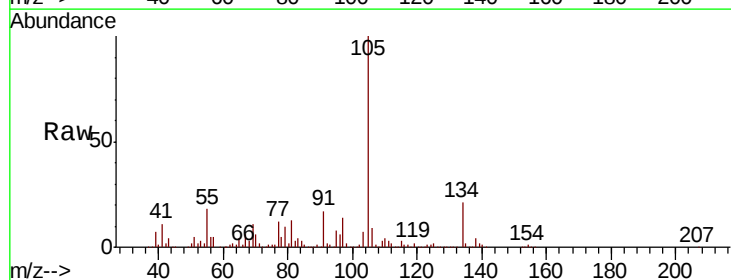
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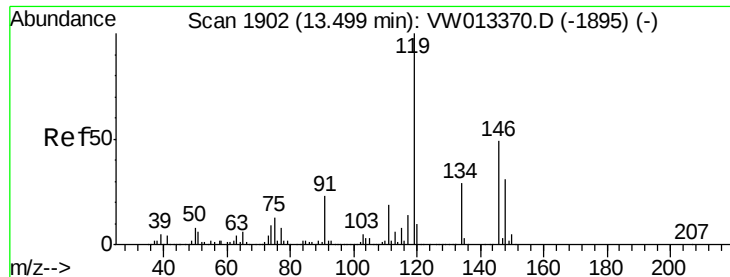
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#85
 sec-Butylbenzene
 Concen: 47.546 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013445.D
 Acq: 04 Oct 2019 17:54

Tgt Ion:105 Resp: 579453
 Ion Ratio Lower Upper
 105 100
 134 26.3 10.3 30.8





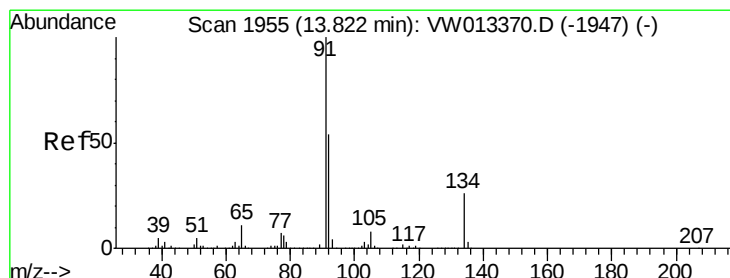
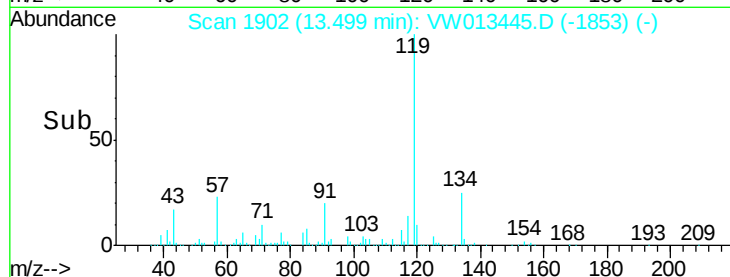
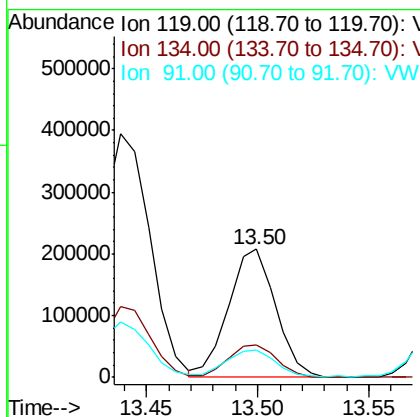
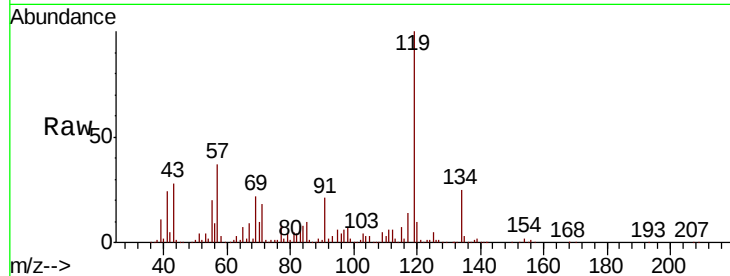
#86
p-Isopropyltoluene
Concen: 27.169 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Instrument :
MSVOA_W
ClientSampled :
13933

Tot Ion	Ratio	Resp	Lower	Upper
119	100	306862		
134	26.1	13.3	39.8	
91	21.0	10.8	32.4	

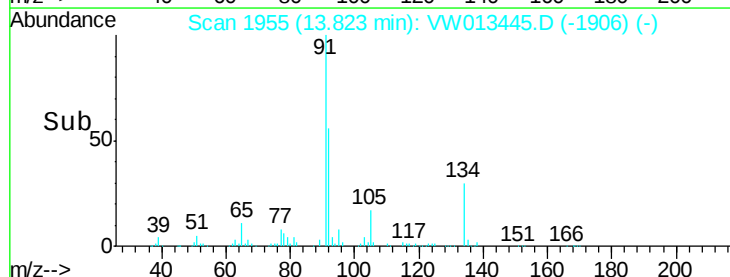
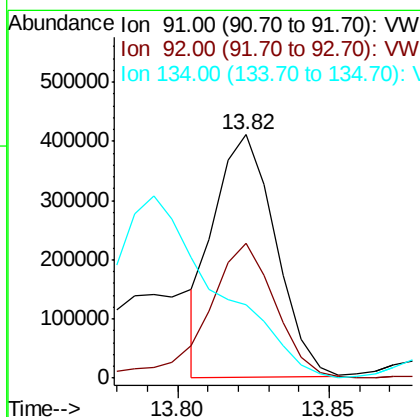
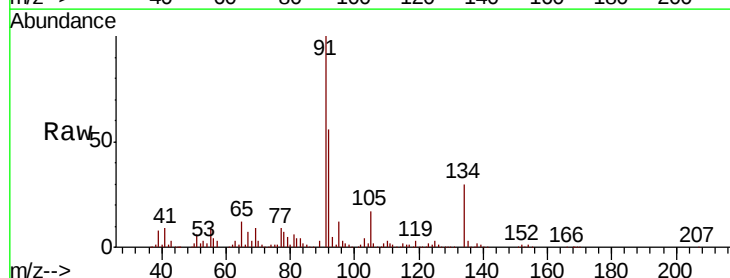
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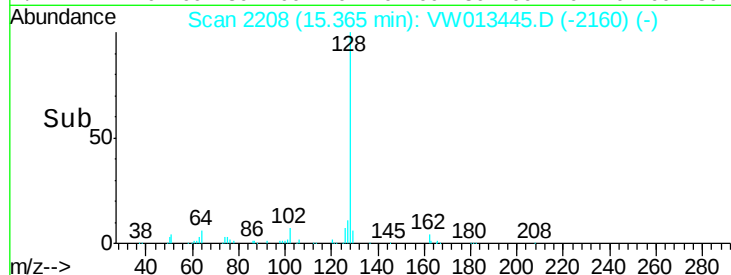
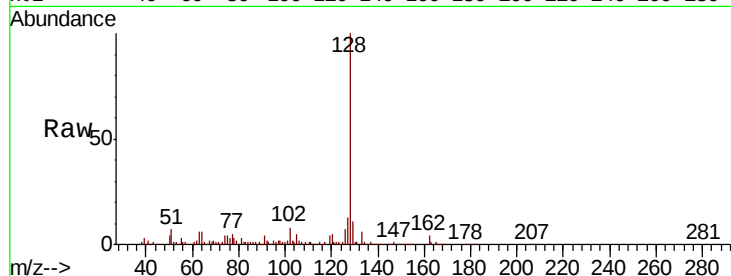
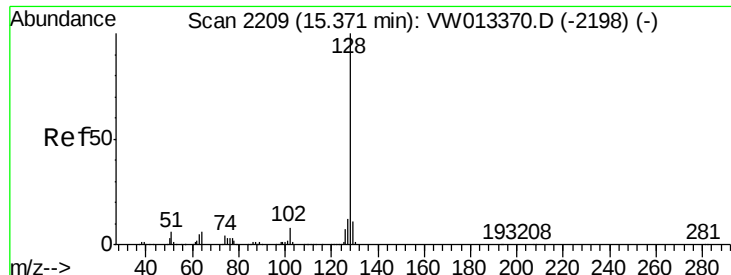
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#89
n-Butylbenzene
Concen: 57.398 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	584467		
92	59.9	27.6	82.8	
134	0.0	13.7	41.1#	





#95
Naphthalene
Concen: 48.859 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013445.D
Acq: 04 Oct 2019 17:54

Tot Ion:	128	Resp:	287771
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	12.0	8.7	13.1

Instrument :
MSVOA_W
ClientSampleId :
13933

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