

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013023.D
 Acq On : 15 Sep 2019 05:44
 Operator : SY/VA
 Sample : K4850-02
 Misc : 4.69G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AOC-7-(6)

Manual Integrations
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 9/16/2019 11:14:54 AM

Quant Time: Sep 16 09:36:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	320240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	154049	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	171612	58.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.04%	
35) Dibromofluoromethane	7.88	113	142678	53.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.06%	
50) Toluene-d8	10.32	98	598701	56.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.74%	
62) 4-Bromofluorobenzene	12.62	95	179378	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	100709	149.027	ug/l	92
17) Carbon Disulfide	4.37	76	48954	11.113	ug/l	96
18) Methyl Acetate	4.67	43	6996	4.152	ug/l	95
25) 2-Butanone	7.18	43	38713	41.164	ug/l	95
39) Methylcyclohexane	9.33	83	13717	3.160	ug/l	92
40) Benzene	8.32	78	132448	11.975	ug/l	99
52) Toluene	10.38	92	38103	5.422	ug/l	99
67) Ethyl Benzene	11.73	91	1148699	84.332	ug/l	99
68) m/p-Xylenes	11.84	106	163649	32.888	ug/l	99
69) o-Xylene	12.16	106	256245	54.928	ug/l	99
73) Isopropylbenzene	12.46	105	750026	73.454	ug/l	100
78) n-propylbenzene	12.80	91	165391	13.770	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	220582	25.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1149897	134.710	ug/l	98
85) sec-Butylbenzene	13.38	105	31360m	2.979	ug/l	
86) p-Isopropyltoluene	13.49	119	115235	11.923	ug/l	93
95) Naphthalene	15.36	128	2068099	423.817	ug/l	99

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

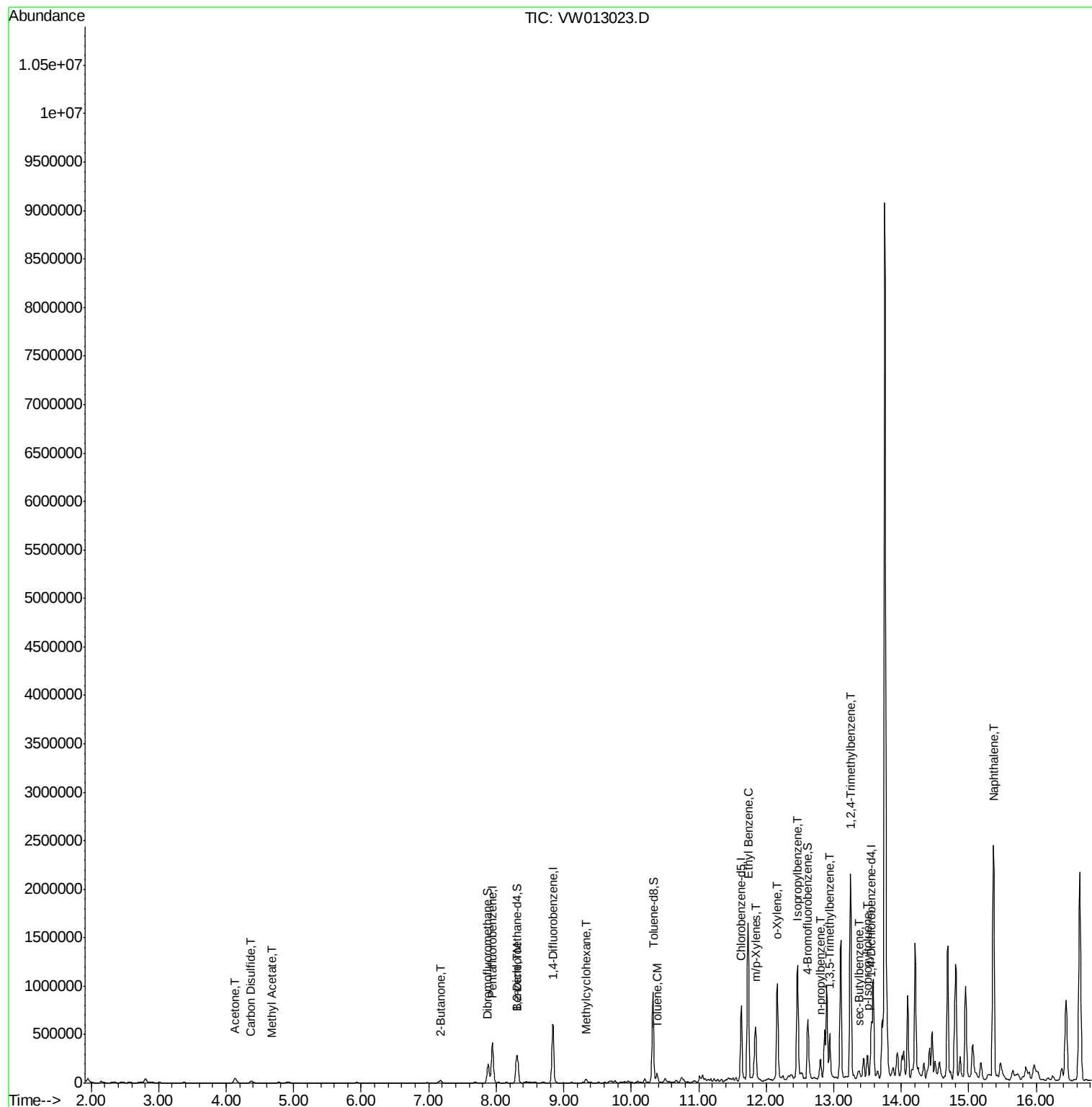
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
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Operator : SY/VA
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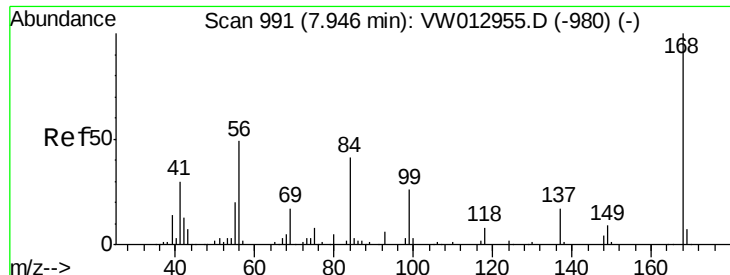
Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 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: VW013023.D

Acq: 15 Sep 2019 05:44

Instrument :

MSVOA_W

ClientSampleId :

AOC-7-(6)

Tot Ion:168 Resp: 320240

Ion Ratio Lower Upper

168 100

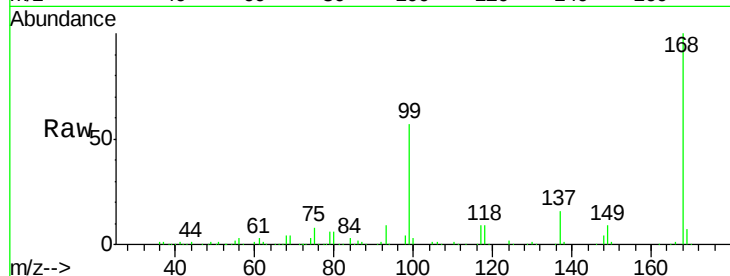
99 56.7 46.2 69.2

Manual Integrations

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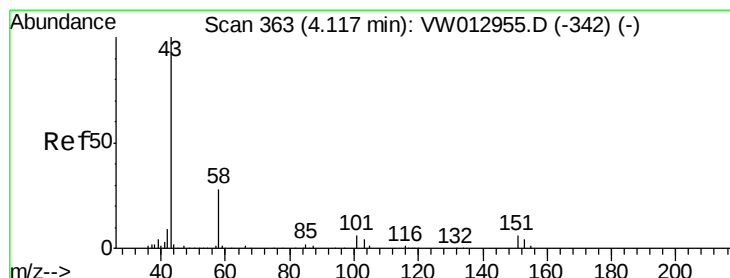
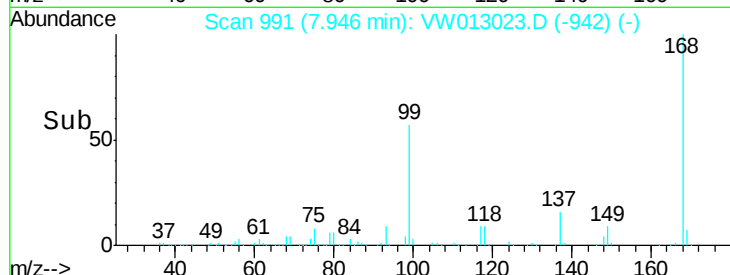
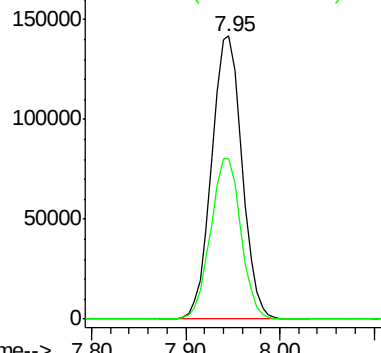
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 149.027 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013023.D

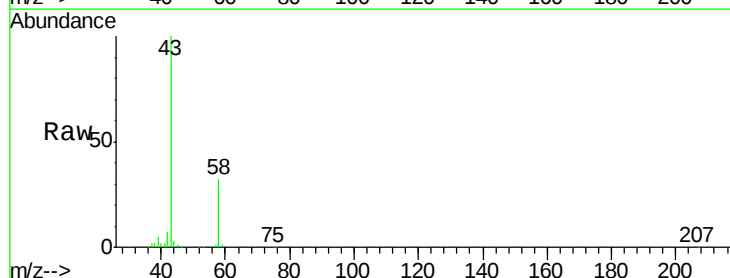
Acq: 15 Sep 2019 05:44

Tgt Ion: 43 Resp: 100709

Ion Ratio Lower Upper

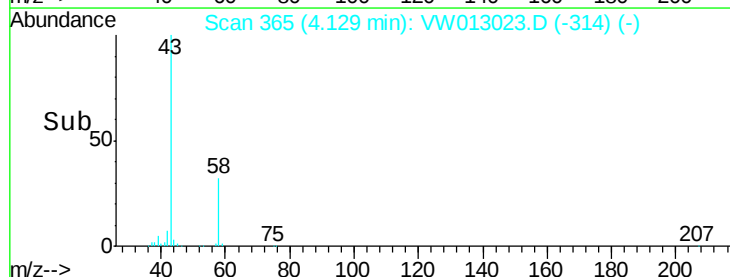
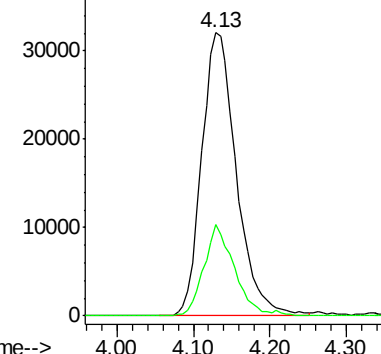
43 100

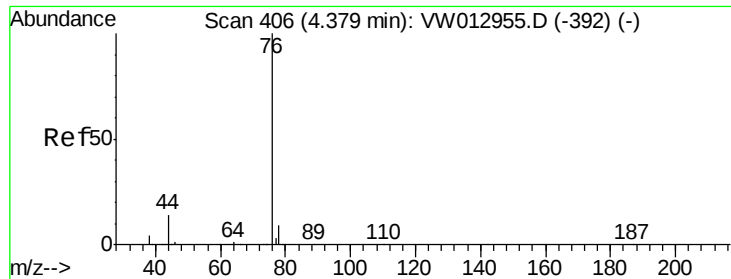
58 32.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





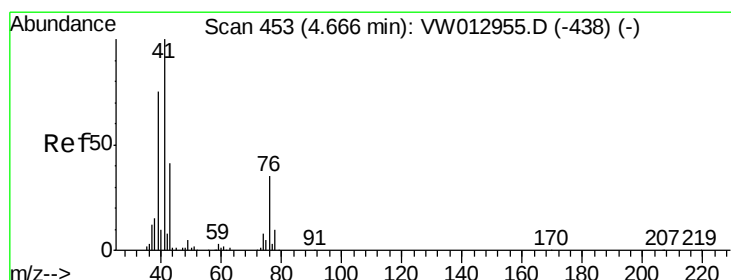
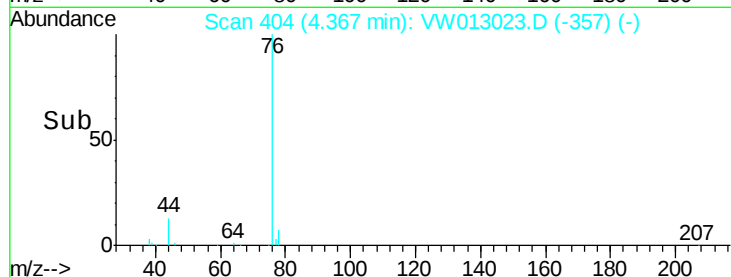
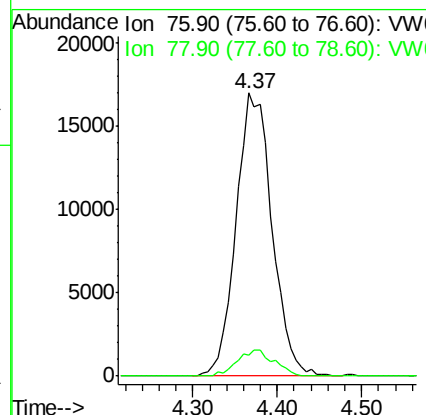
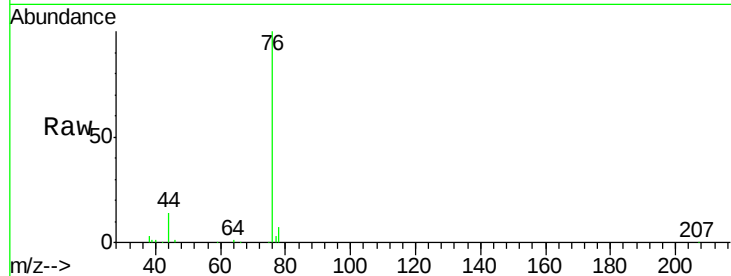
#17
Carbon Disulfide
Concen: 11.113 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.0	10.4

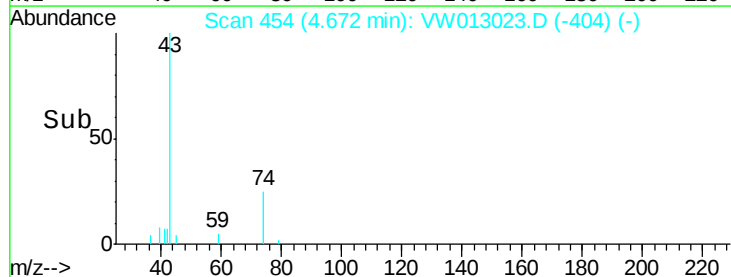
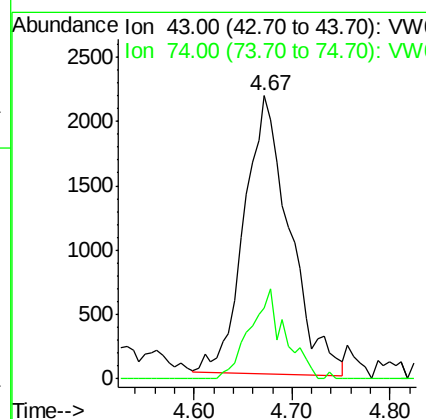
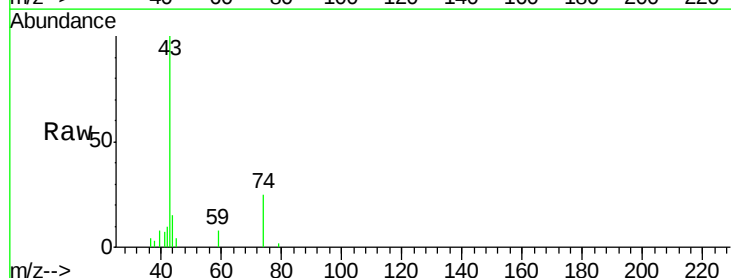
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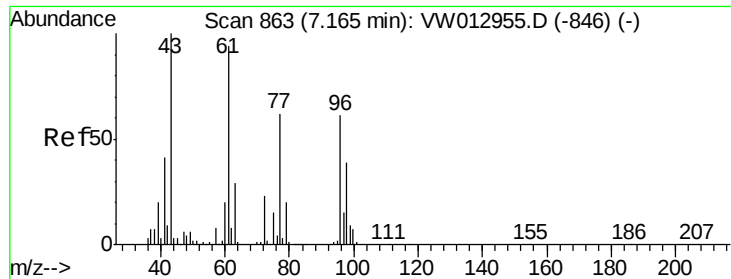
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#18
Methyl Acetate
Concen: 4.152 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.8	26.8





#25

2-Butanone

Concen: 41.164 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

Instrument :

MSVOA_W

ClientSampleId :

AOC-7-(6)

Tot Ion: 43 Resp: 38713

Ion Ratio Lower Upper

43 100

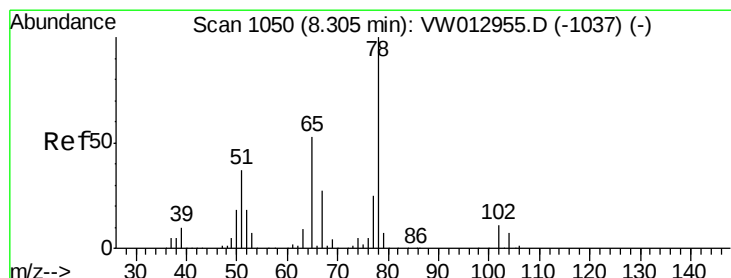
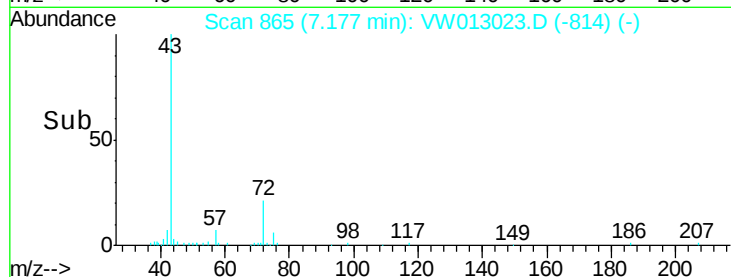
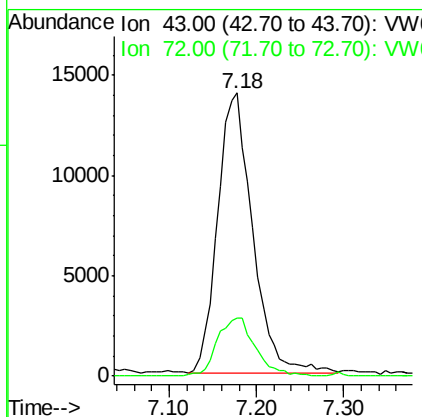
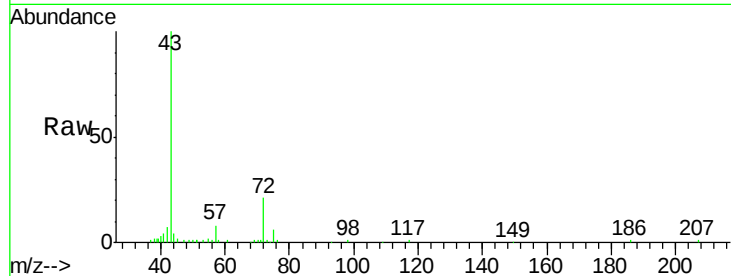
72 20.4 18.2 27.4

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#33

1,2-Dichloroethane-d4

Concen: 58.023 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013023.D

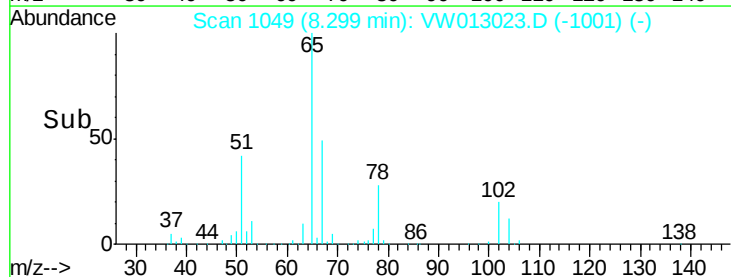
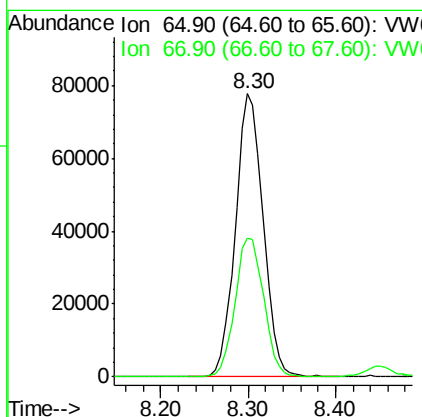
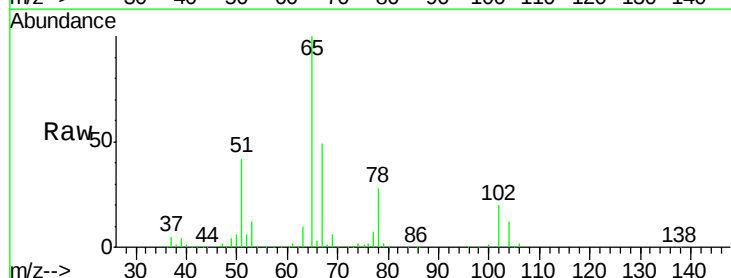
Acq: 15 Sep 2019 05:44

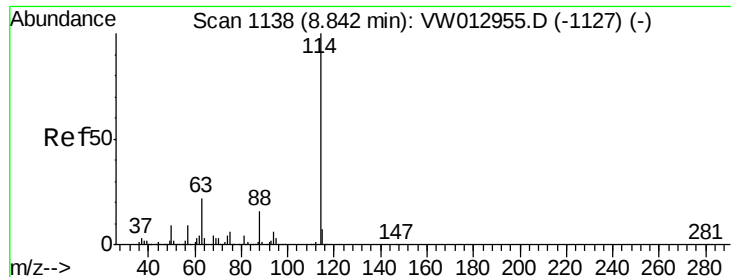
Tgt Ion: 65 Resp: 171612

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.2





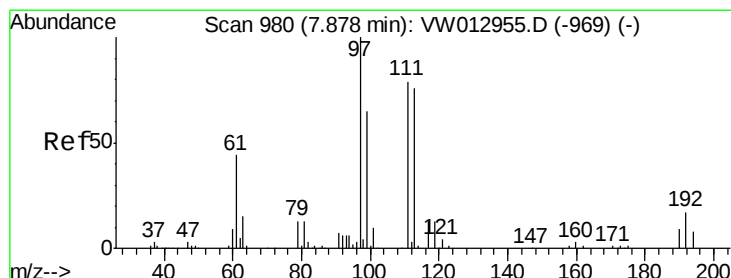
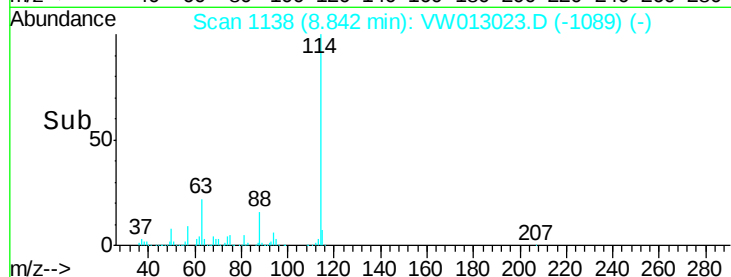
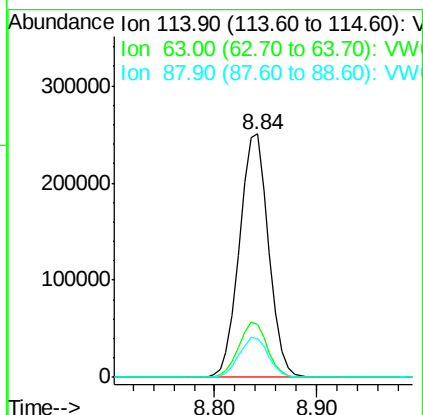
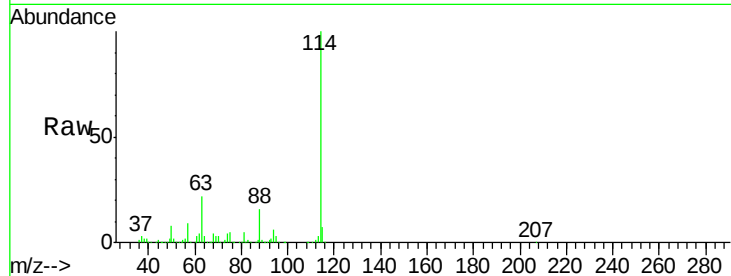
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	495799		
63	21.7		0.0	43.4
88	15.7		0.0	31.6

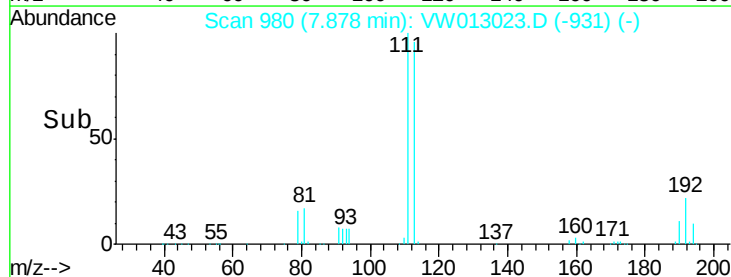
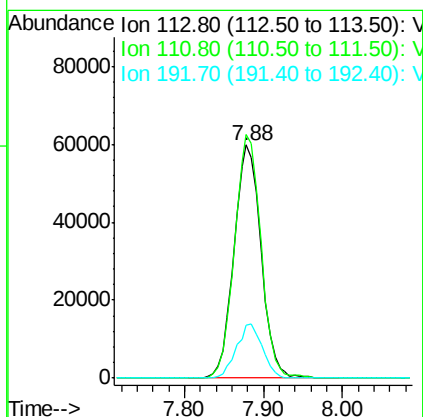
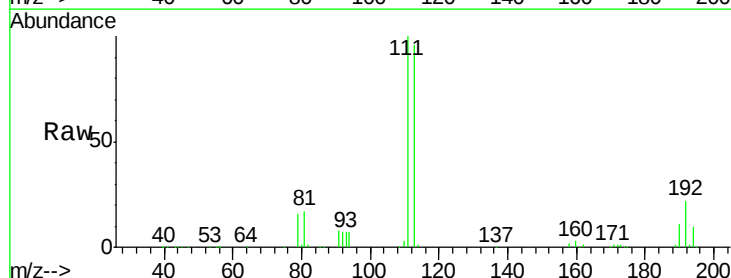
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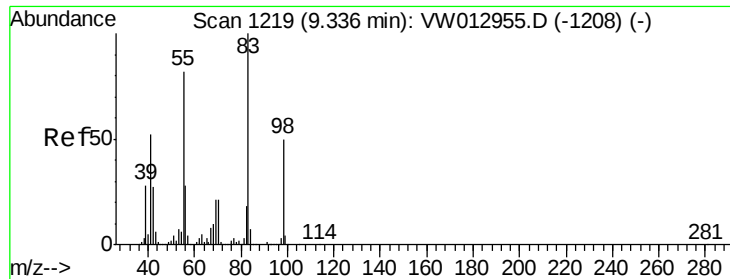
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#35
Dibromofluoromethane
Concen: 53.035 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	142678		
111	101.9		82.8	124.2
192	22.3		17.8	26.8





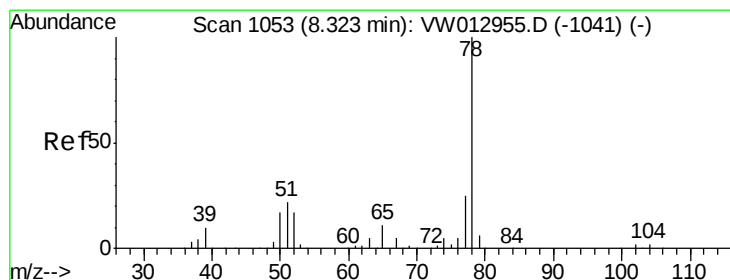
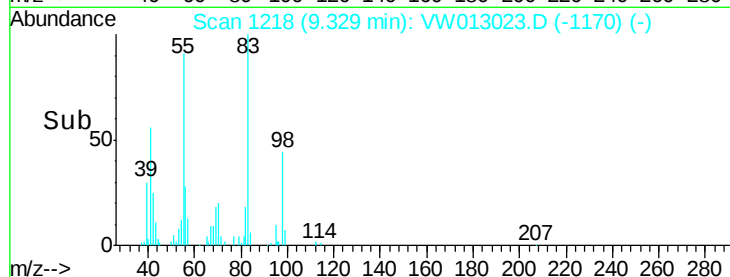
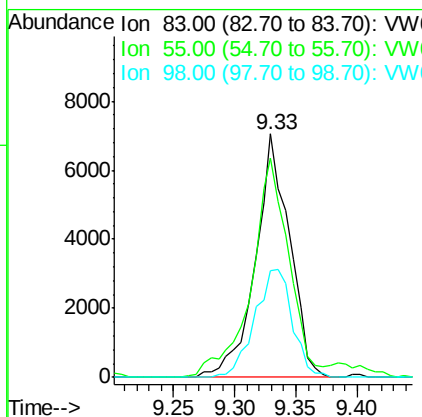
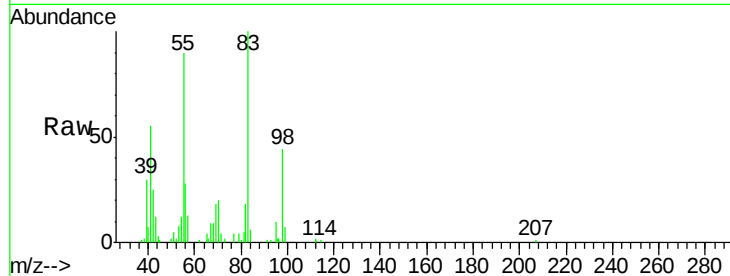
#39
Methvlcvclohexane
Concen: 3.160 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.1	65.9	98.9
98	43.9	39.6	59.4

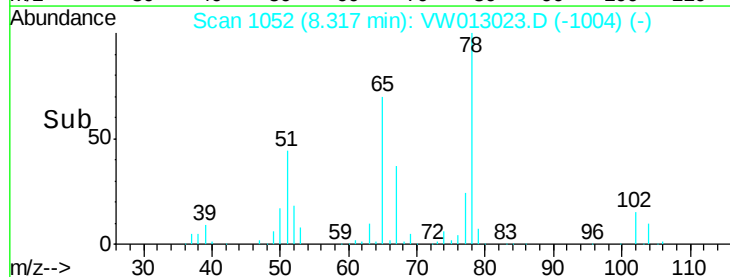
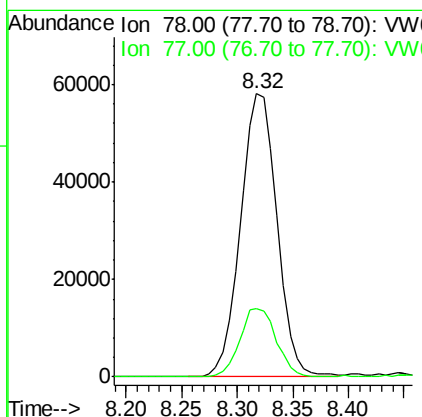
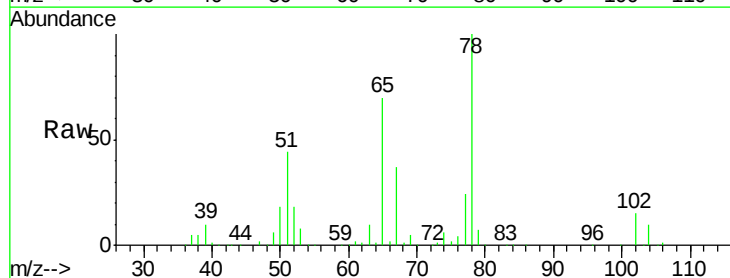
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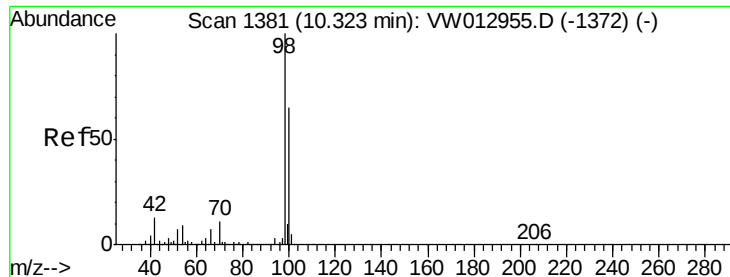
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#40
Benzene
Concen: 11.975 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





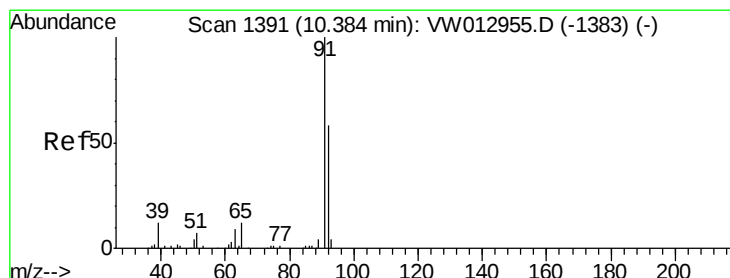
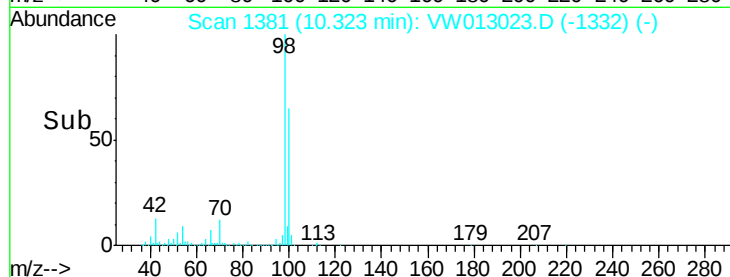
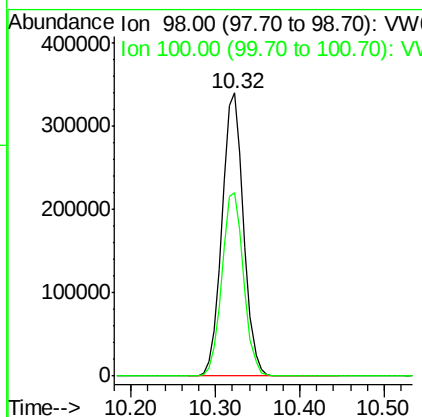
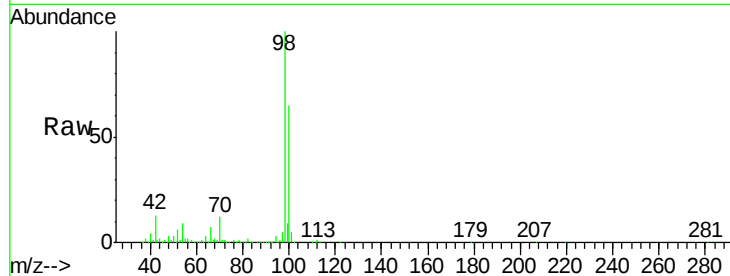
#50
Toluene-d8
Concen: 56.871 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion	98	Resp	598701
Ion Ratio	100	Lower	Upper
98	100	52.1	78.1
100	65.3		

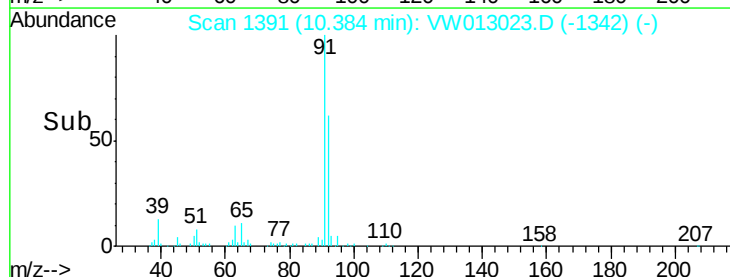
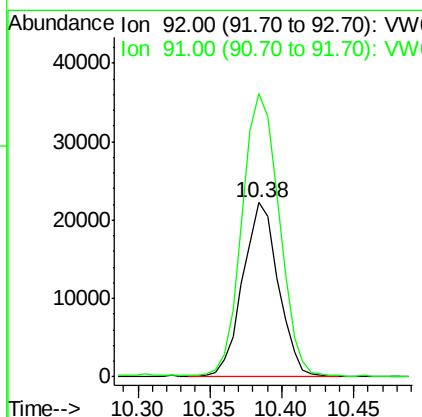
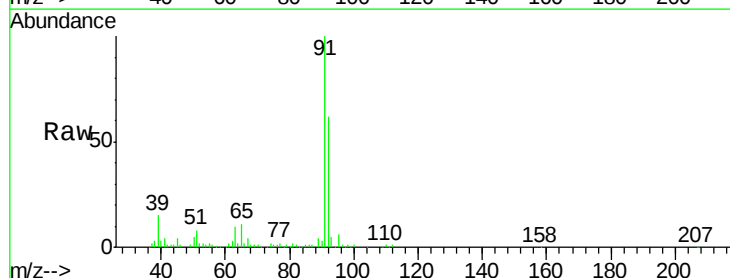
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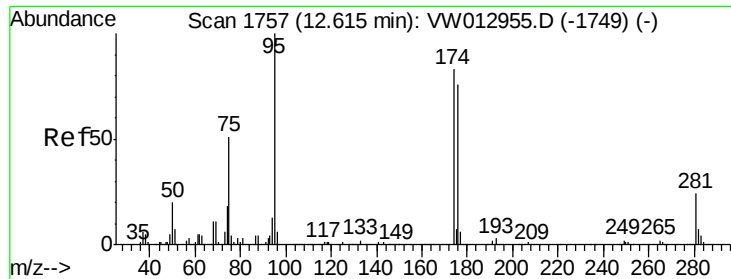
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#52
Toluene
Concen: 5.422 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion	92	Resp	38103
Ion Ratio	100	Lower	Upper
92	100	137.5	206.3
91	170.0		





#62

4-Bromofluorobenzene

Concen: 47.387 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

Instrument :

MSVOA_W

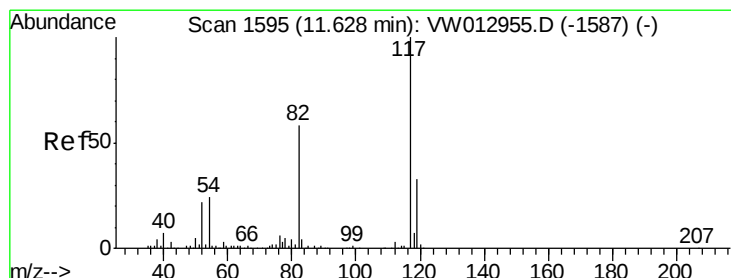
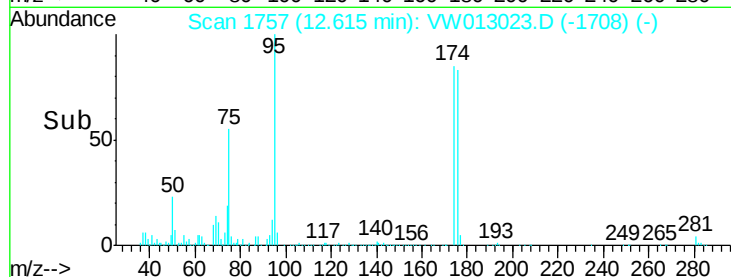
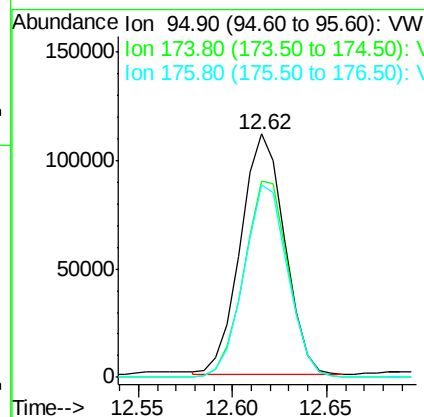
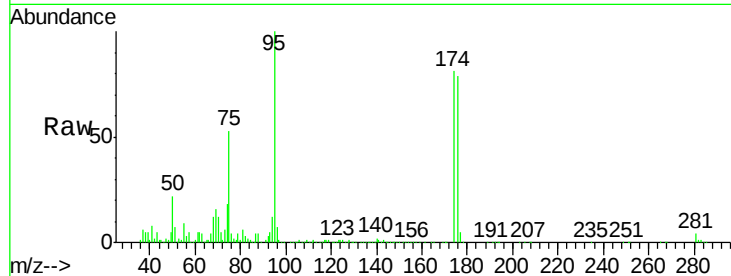
ClientSampled :

AOC-7-(6)

Tot Ion:	95	Resp:	179378
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	170.4
176	79.8	0.0	164.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

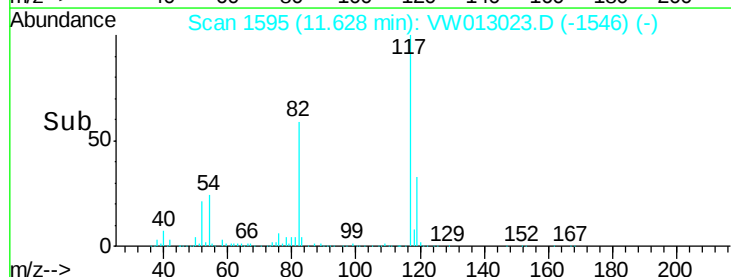
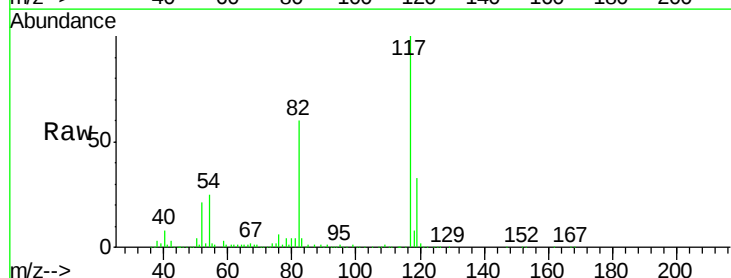
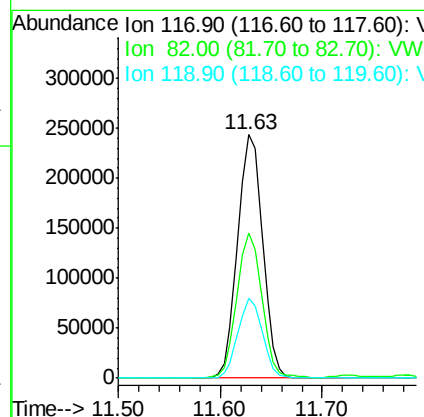
RT: 11.63 min Scan# 1595

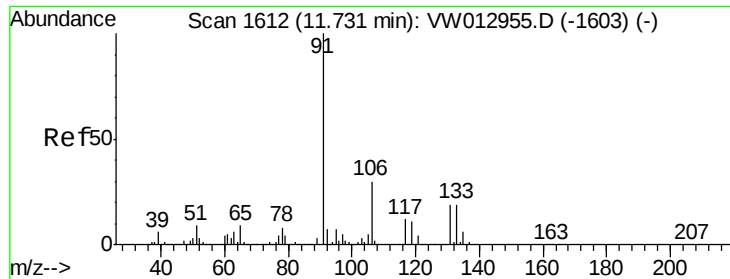
Delta R.T. 0.00 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

Tgt Ion:	117	Resp:	414052
Ion Ratio	Lower	Upper	
117	100		
82	59.4	46.3	69.5
119	32.5	26.2	39.4





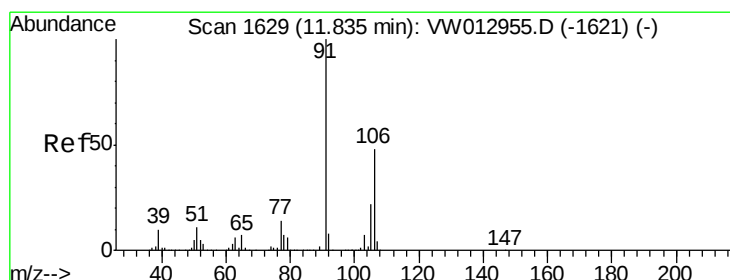
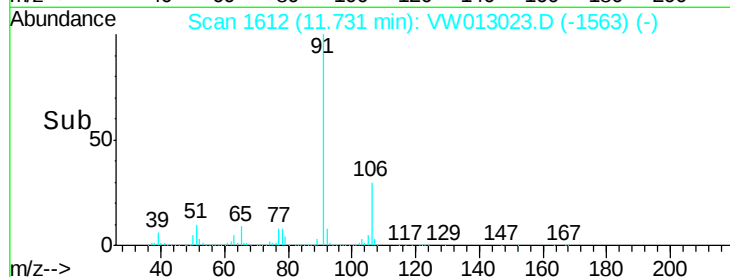
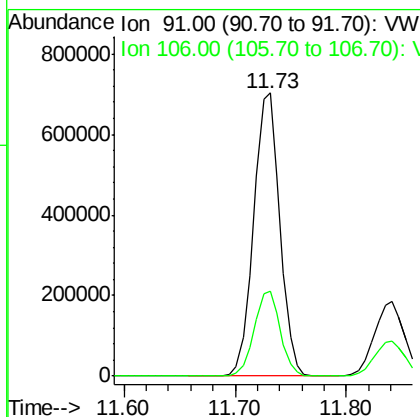
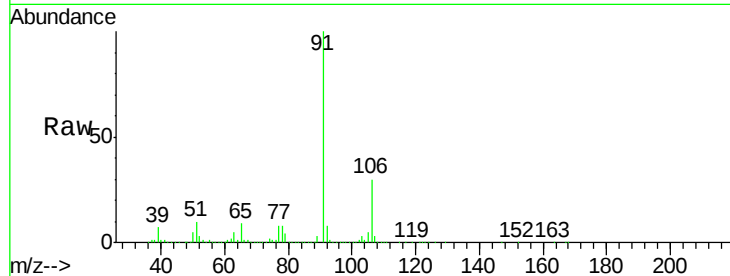
#67
Ethyl Benzene
Concen: 84.332 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion: 91 Resp: 1148699
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

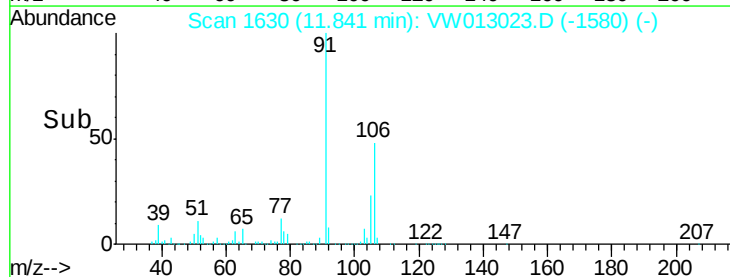
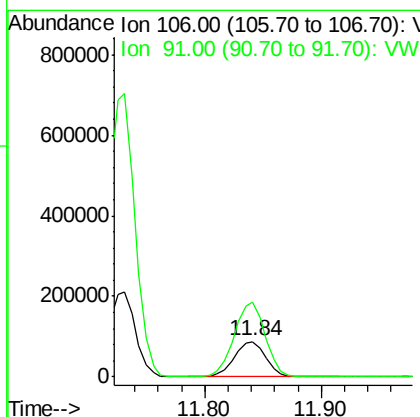
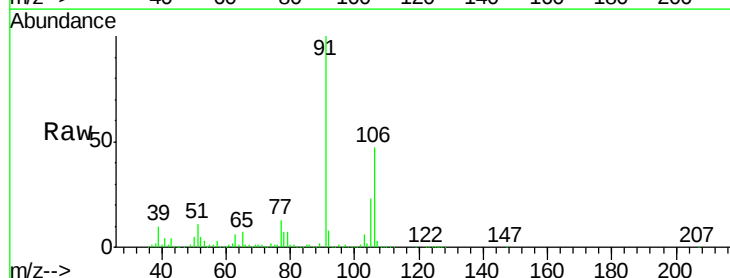
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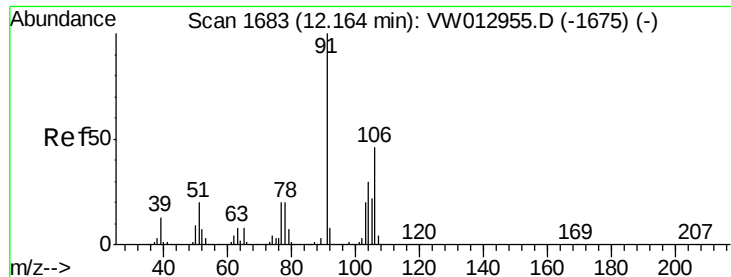
MMDadoda
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#68
m/p-Xylenes
Concen: 32.888 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion: 106 Resp: 163649
Ion Ratio Lower Upper
106 100
91 209.4 165.8 248.8





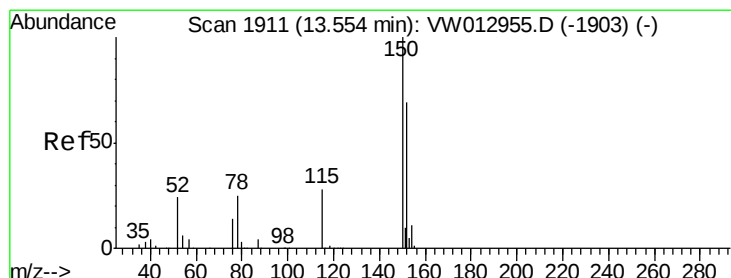
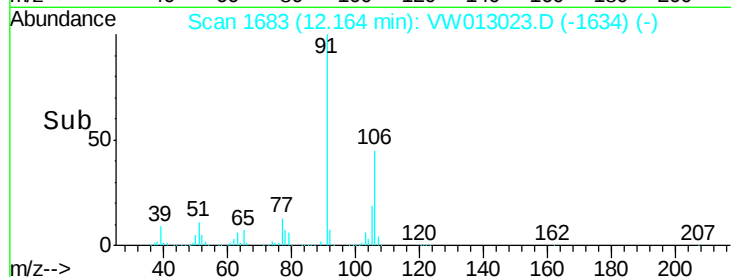
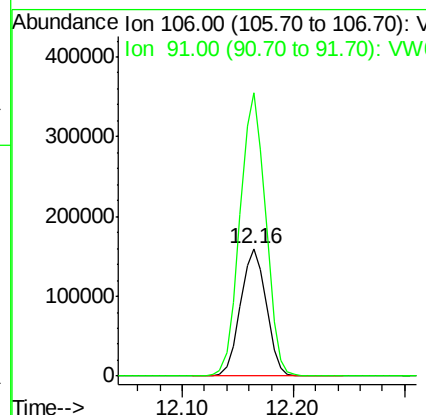
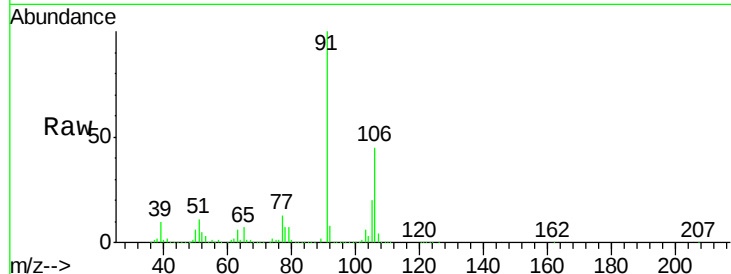
#69
o-Xylene
Concen: 54.928 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion:106 Resp: 256245
Ion Ratio Lower Upper
106 100
91 221.2 109.7 329.0

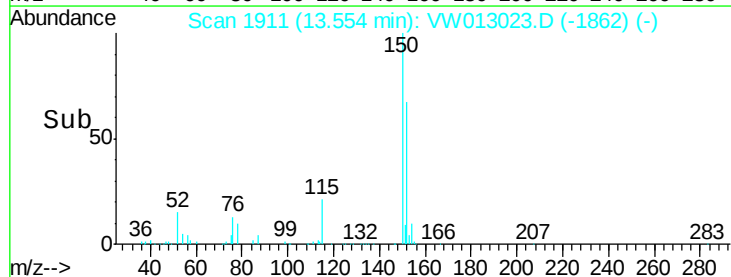
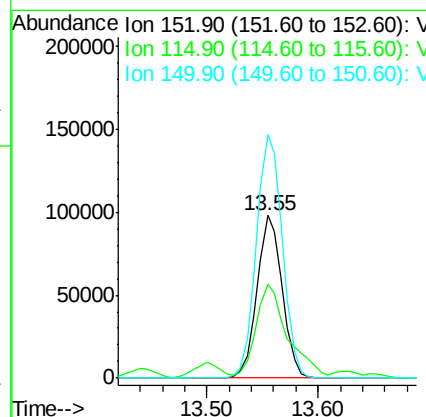
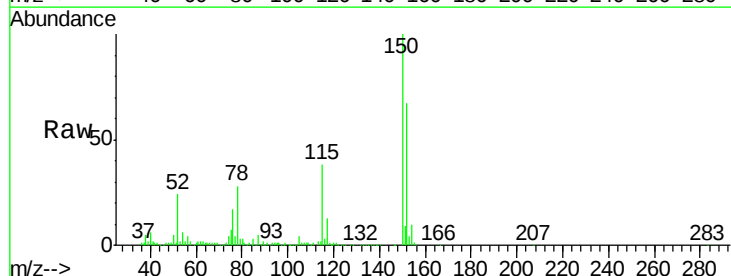
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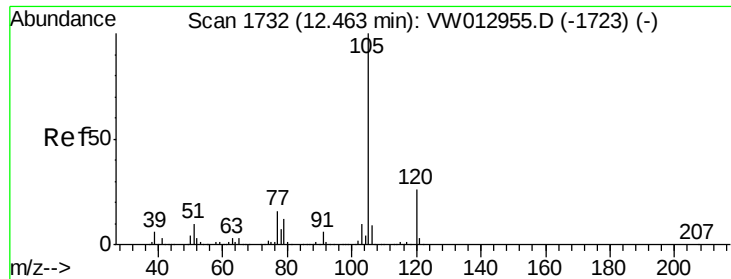
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Tgt Ion:152 Resp: 154049
Ion Ratio Lower Upper
152 100
115 68.0 28.8 86.4
150 155.1 0.0 340.2





#73

Isopropylbenzene

Concen: 73.454 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

Instrument :

MSVOA_W

ClientSampled :

AOC-7-(6)

Tot Ion:105 Resp: 750026

Ion Ratio Lower Upper

105 100

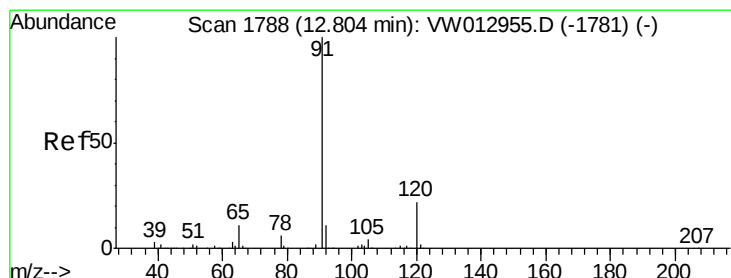
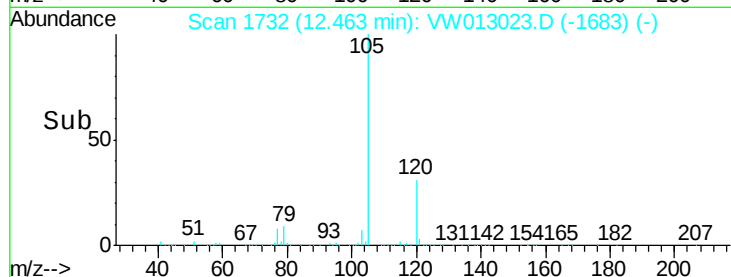
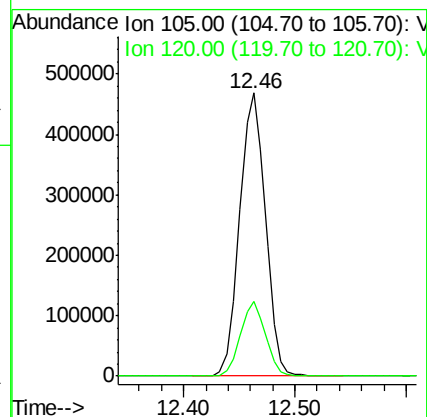
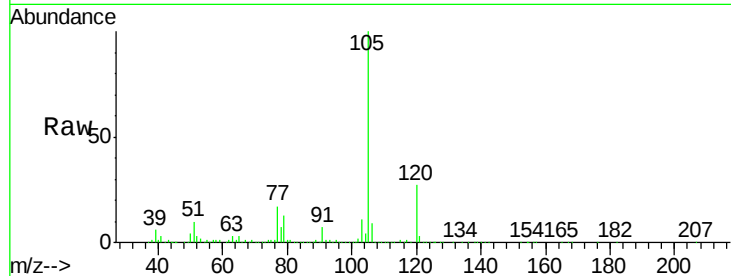
120 25.8 13.0 39.0

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#78

n-propylbenzene

Concen: 13.770 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013023.D

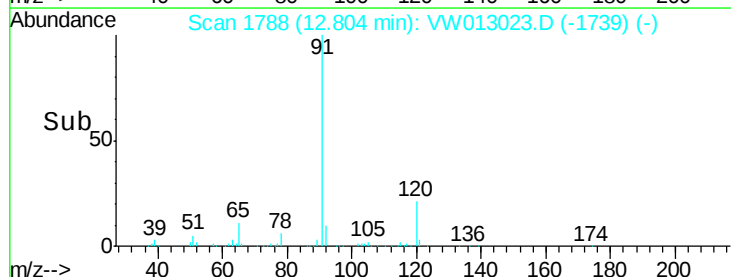
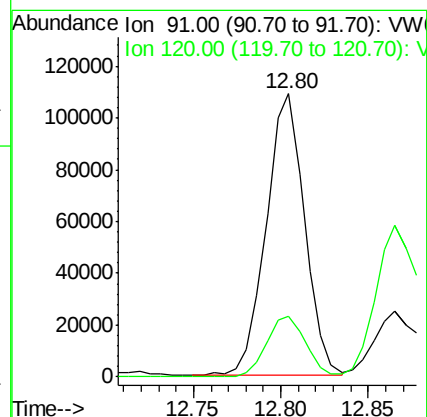
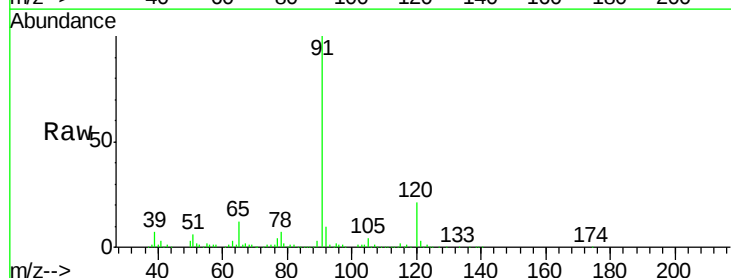
Acq: 15 Sep 2019 05:44

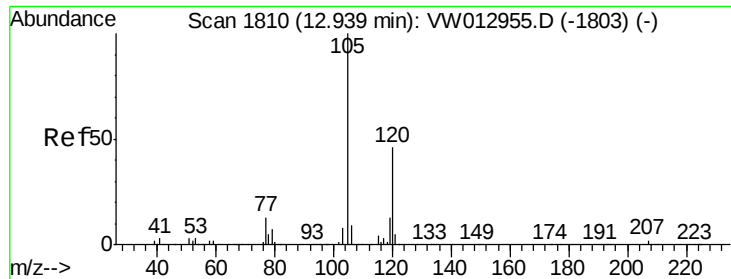
Tgt Ion: 91 Resp: 165391

Ion Ratio Lower Upper

91 100

120 22.2 11.2 33.5





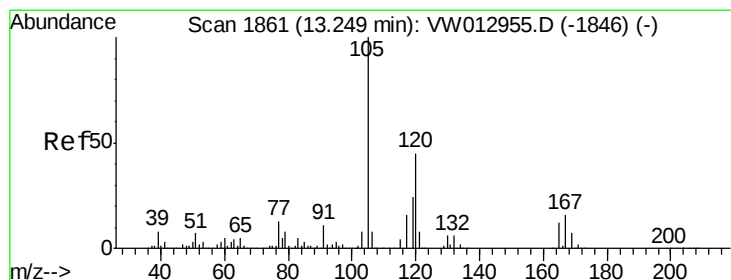
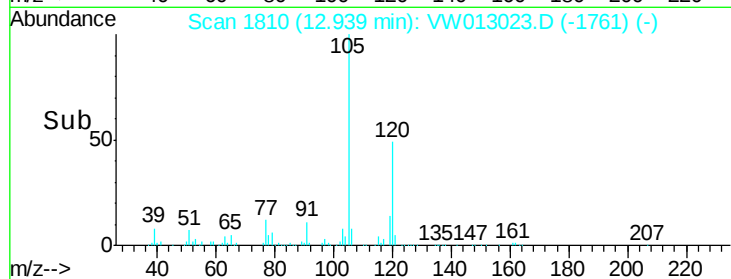
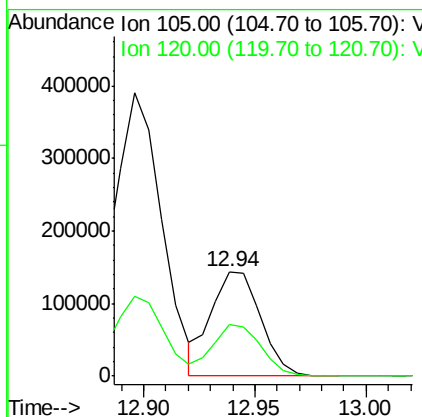
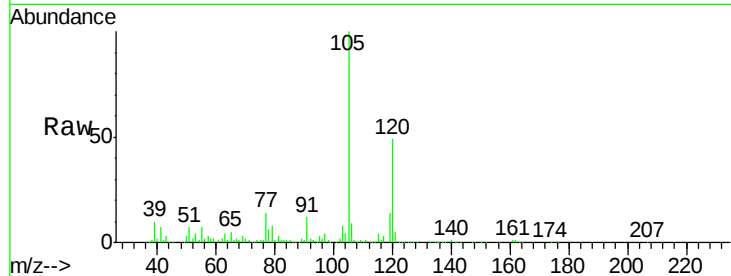
#80
 1,3,5-Trimethylbenzene
 Concen: 25.535 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW013023.D
 Acq: 15 Sep 2019 05:44

Instrument :
 MSVOA_W
 ClientSampled :
 AOC-7-(6)

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.8	24.2	72.6

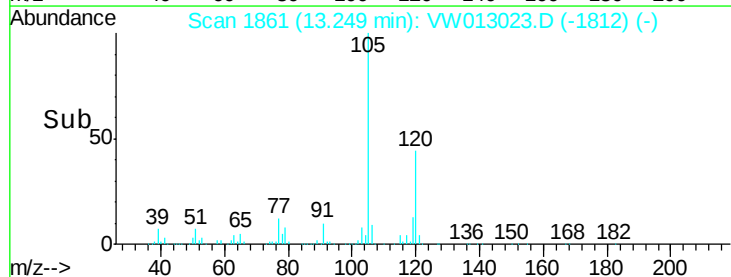
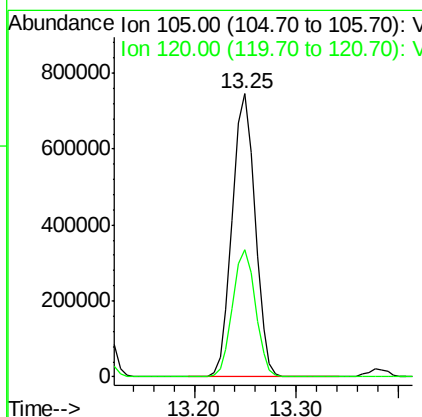
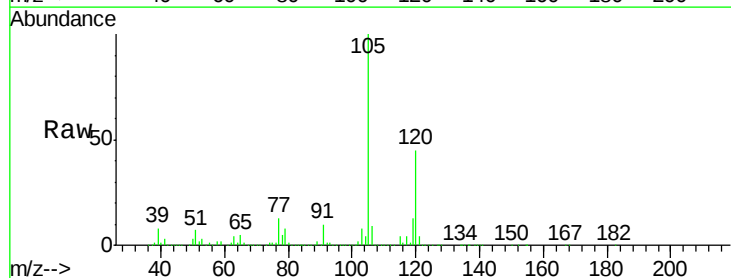
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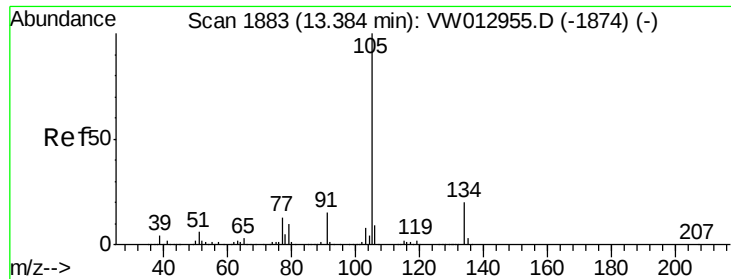
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#84
 1,2,4-Trimethylbenzene
 Concen: 134.710 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW013023.D
 Acq: 15 Sep 2019 05:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.7





#85

sec-Butylbenzene

Concen: 2.979 ug/l m

RT: 13.38 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

Instrument :

MSVOA_W

ClientSampleId :

AOC-7-(6)

Tot Ion:105 Resp: 31360

Ion Ratio Lower Upper

105 100

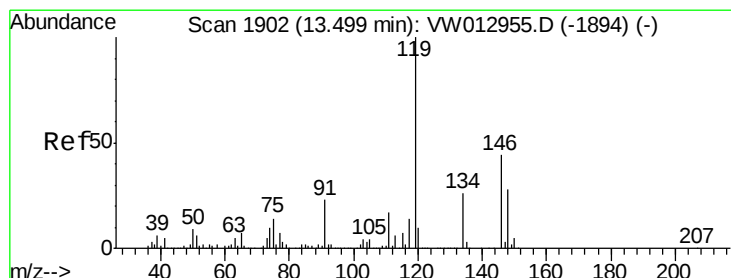
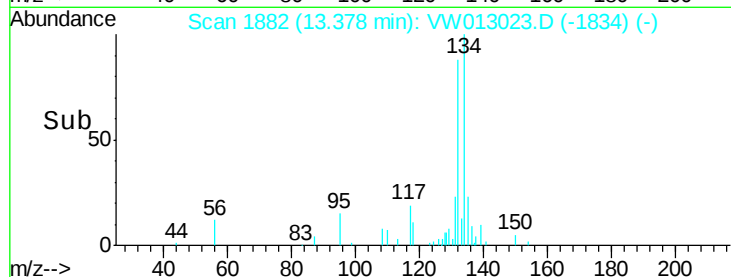
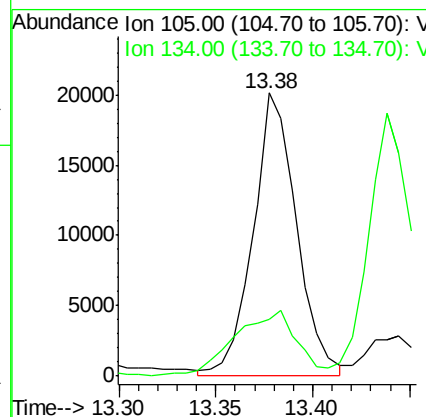
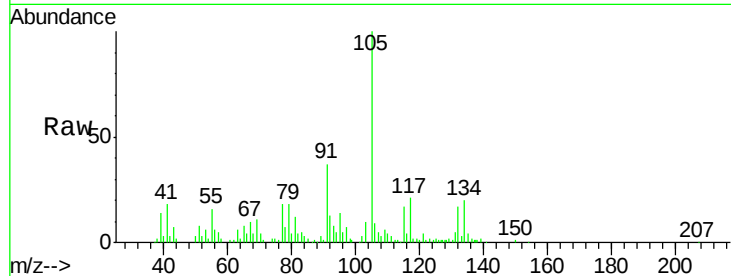
134 0.0 10.2 30.4#

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#86

p-Isopropyltoluene

Concen: 11.923 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013023.D

Acq: 15 Sep 2019 05:44

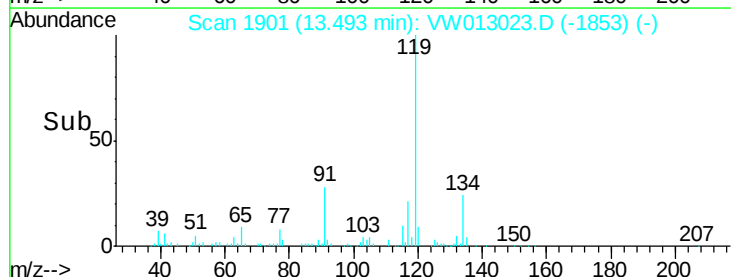
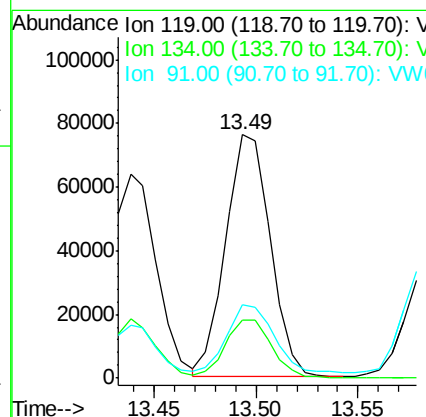
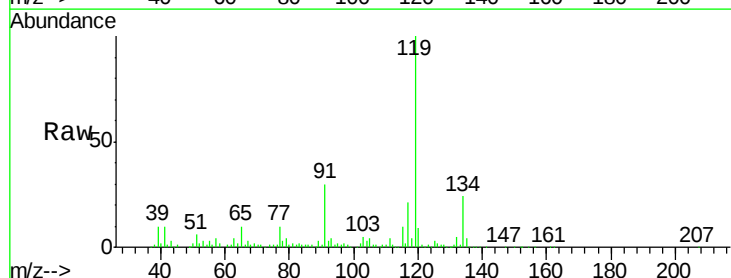
Tgt Ion:119 Resp: 115235

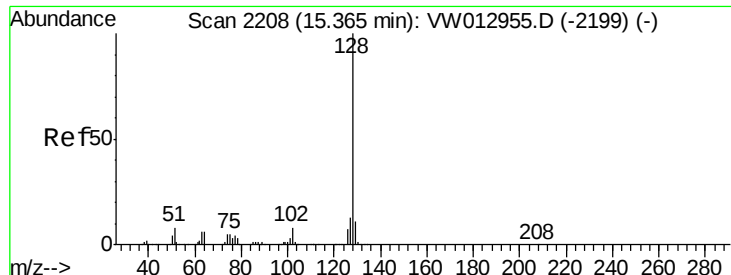
Ion Ratio Lower Upper

119 100

134 24.6 12.8 38.3

91 29.5 11.8 35.4





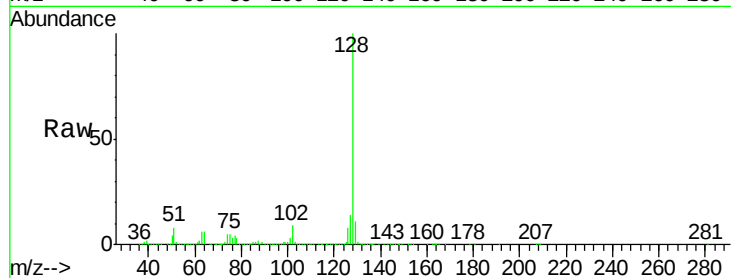
#95
Naphthalene
Concen: 423.817 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013023.D
Acq: 15 Sep 2019 05:44

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	11.1	8.6	12.8

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

