

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013262.D
 Acq On : 24 Sep 2019 06:48
 Operator : SY/VA
 Sample : K5008-02
 Misc : 4.93G/5ML/MSVOA W/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-2

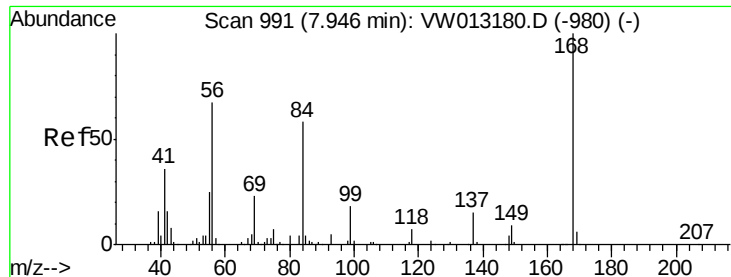
Manual Integrations
 APPROVED

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 9/25/2019 12:35:50 AM

Quant Time: Sep 24 08:58:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	356337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	535804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	461052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	157121	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.88	113	143782	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.32	98	674578	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.62	95	233816	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	110427	168.375	ug/l	92
31) Cyclohexane	7.95	56	259409	41.151	ug/l	95
39) Methylcyclohexane	9.33	83	489448	73.389	ug/l	98
40) Benzene	8.32	78	47605	3.289	ug/l	97
52) Toluene	10.38	92	34633	3.733	ug/l	97
67) Ethyl Benzene	11.73	91	156718	8.984	ug/l	100
68) m/p-Xylenes	11.83	106	70909	10.667	ug/l	93
69) o-Xylene	12.16	106	55276	8.944	ug/l	90
73) Isopropylbenzene	12.46	105	69347	5.492	ug/l	94
78) n-propylbenzene	12.80	91	141587	9.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	14737	1.388	ug/l	97
83) tert-Butylbenzene	13.21	119	35592	3.820	ug/l	83
84) 1,2,4-Trimethylbenzene	13.25	105	201390	19.066	ug/l	98
85) sec-Butylbenzene	13.38	105	91480	7.122	ug/l	80
86) p-Isopropyltoluene	13.50	119	65001	5.456	ug/l	90
89) n-Butylbenzene	13.82	91	90444m	8.314	ug/l	
95) Naphthalene	15.36	128	274435	47.000	ug/l #	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW013262.D

Acq: 24 Sep 2019 06:48

Instrument :

MSVOA_W

ClientSampleID :

SB-2

Tot Ion:168 Resp: 356337

Ion Ratio Lower Upper

168 100

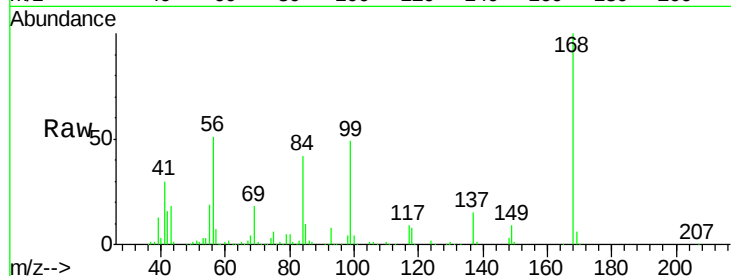
99 49.1 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

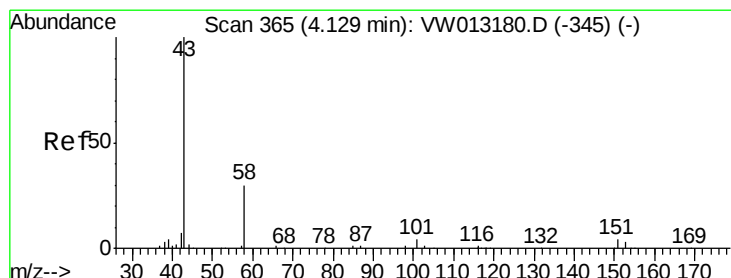
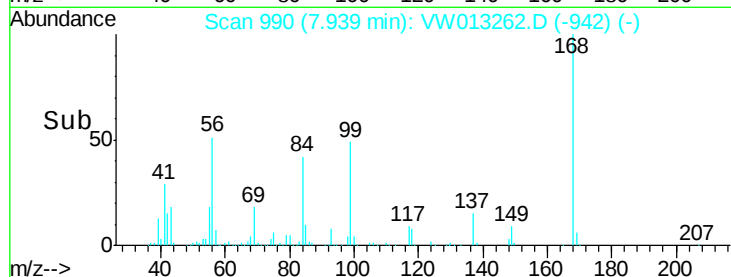
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 168.375 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013262.D

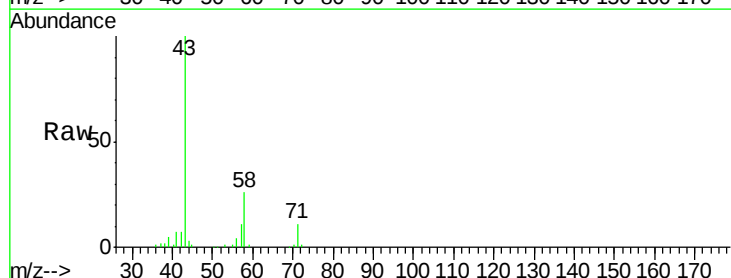
Acq: 24 Sep 2019 06:48

Tgt Ion: 43 Resp: 110427

Ion Ratio Lower Upper

43 100

58 25.7 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

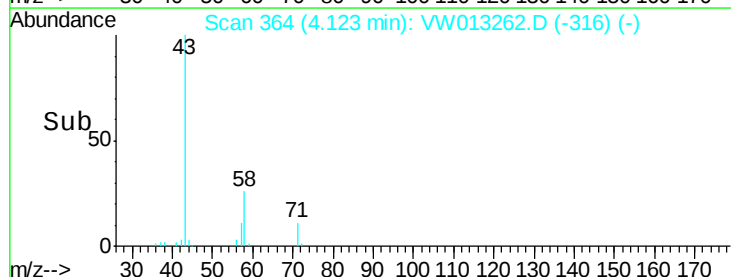
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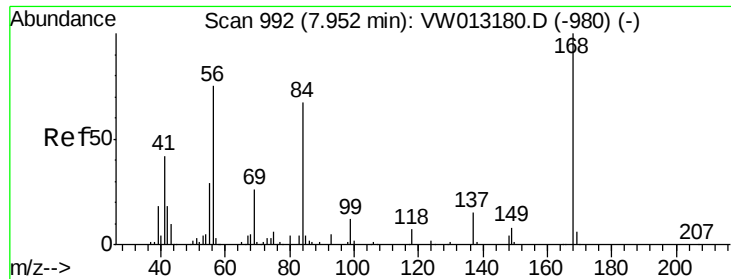
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





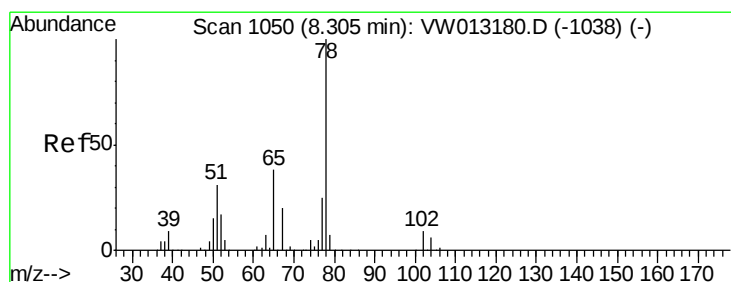
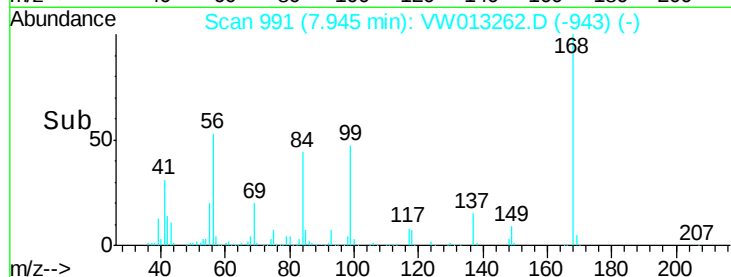
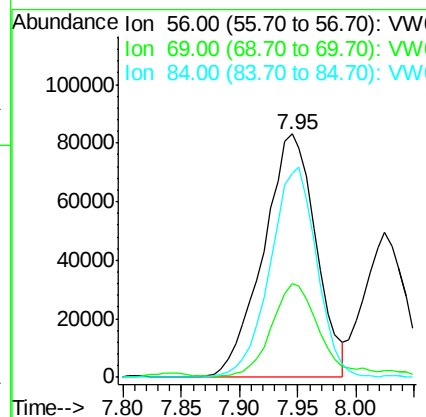
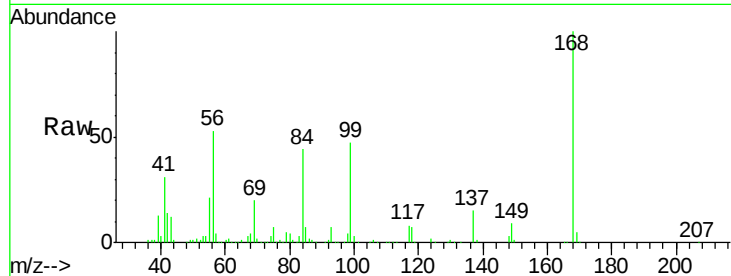
#31
Cyclohexane
Concen: 41.151 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.2	40.8
84	83.8	70.8	106.2

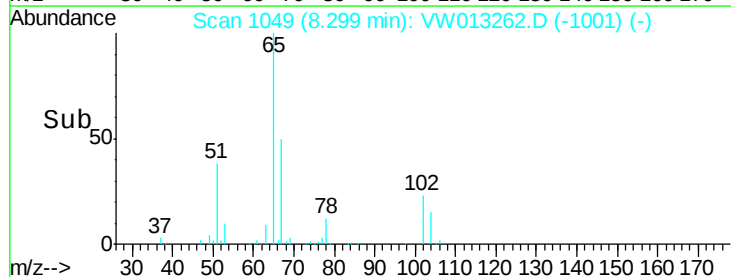
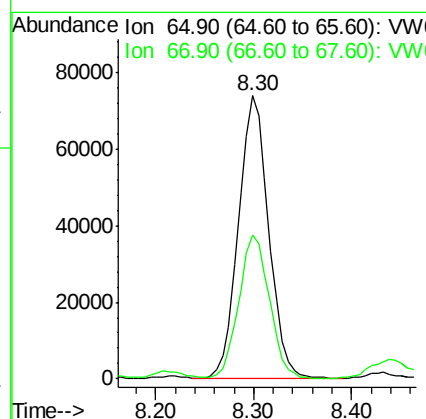
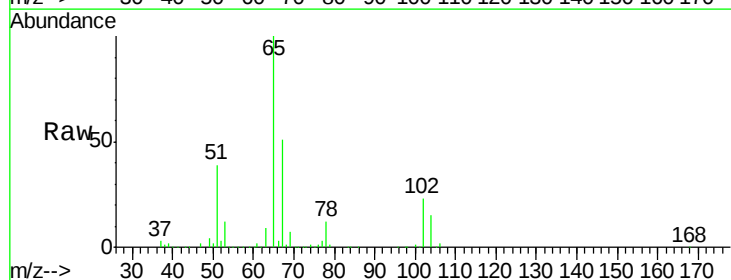
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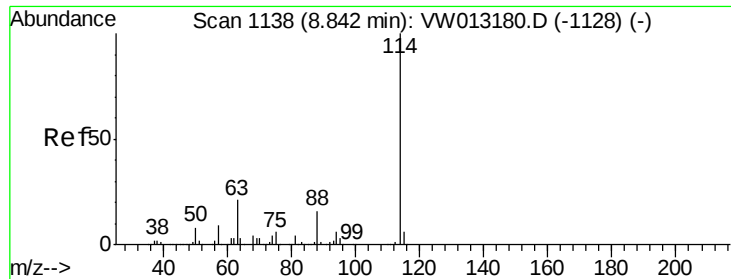
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#33
1,2-Dichloroethane-d4
Concen: 54.026 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW013262.D

Acq: 24 Sep 2019 06:48

Instrument :

MSVOA_W

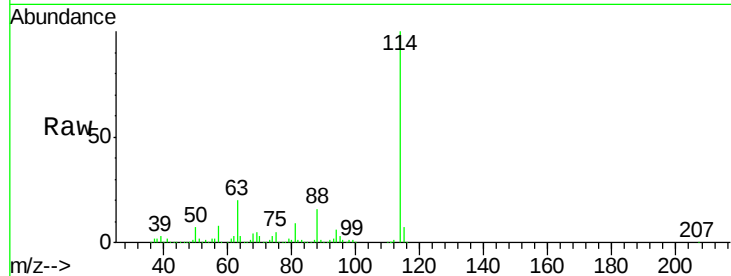
ClientSampleId :

SB-2

Tot Ion:	114	Resp:	535804
Ion Ratio	Lower	Upper	
114	100		
63	20.1	0.0	41.4
88	15.7	0.0	32.0

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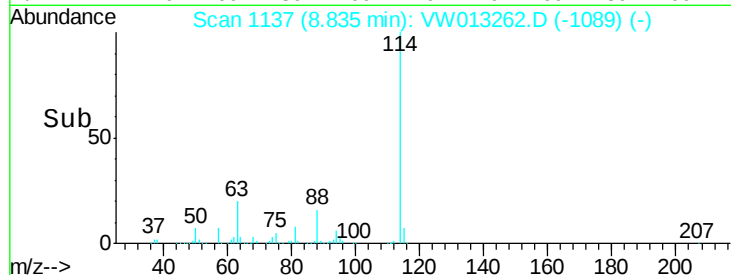


Abundance Ion 113.90 (113.60 to 114.60): V

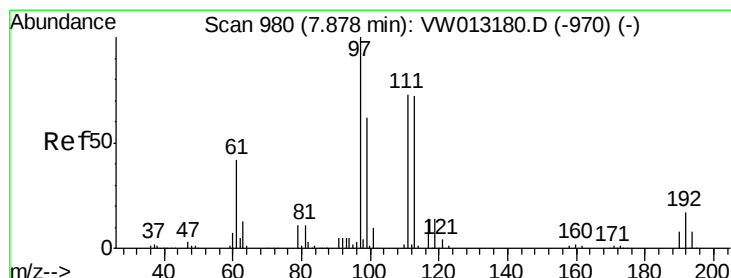
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 48.791 ug/l

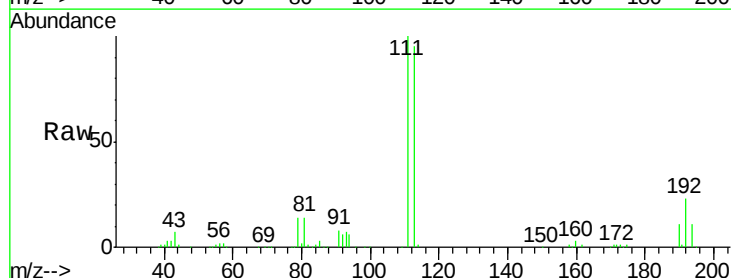
RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013262.D

Acq: 24 Sep 2019 06:48

Tgt Ion:	113	Resp:	143782
Ion Ratio	Lower	Upper	
113	100		
111	104.4	81.9	122.9
192	24.3	19.1	28.7

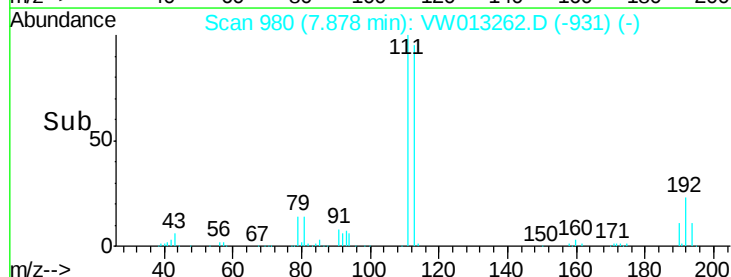


Abundance Ion 112.80 (112.50 to 113.50): V

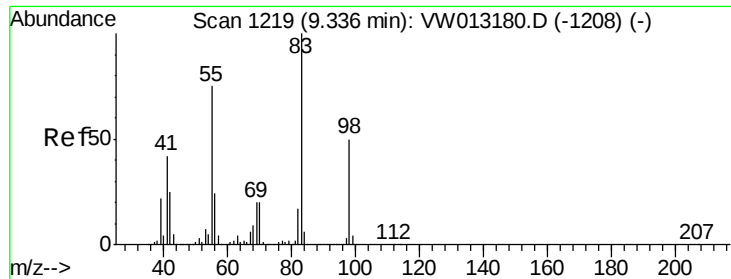
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



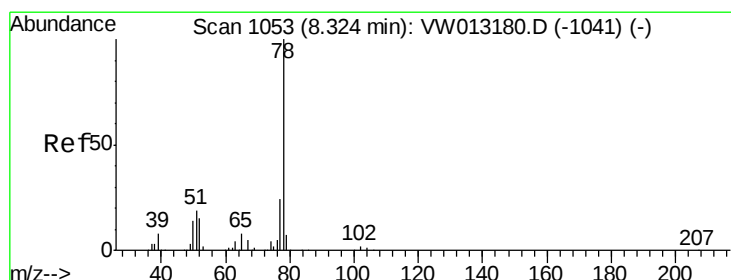
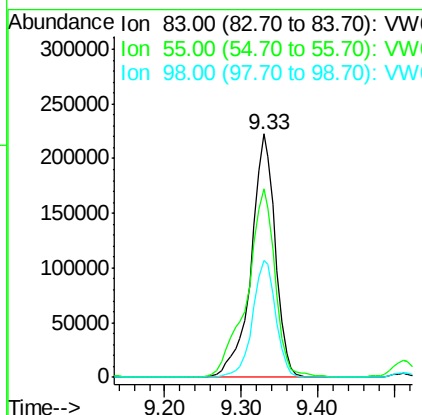
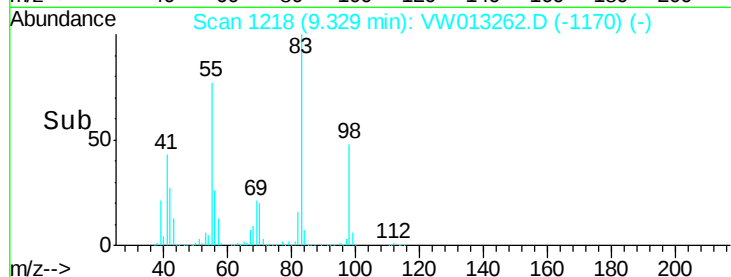
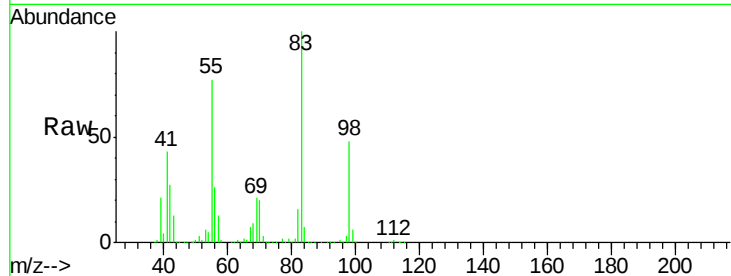
#39
Methvlcvclohexane
Concen: 73.389 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
83	100	489448		
55	77.5		60.4	90.6
98	48.2		40.0	60.0

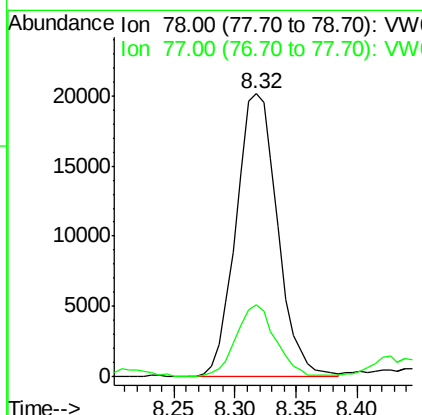
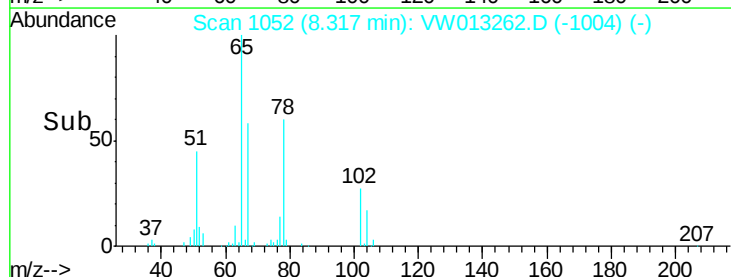
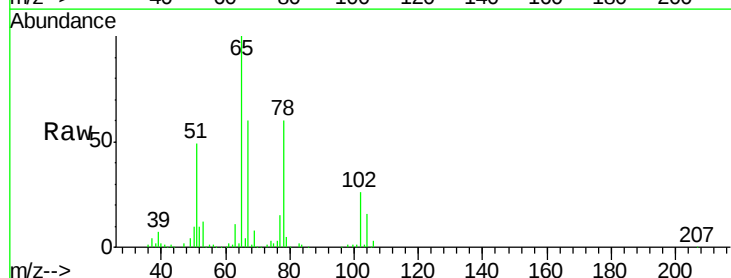
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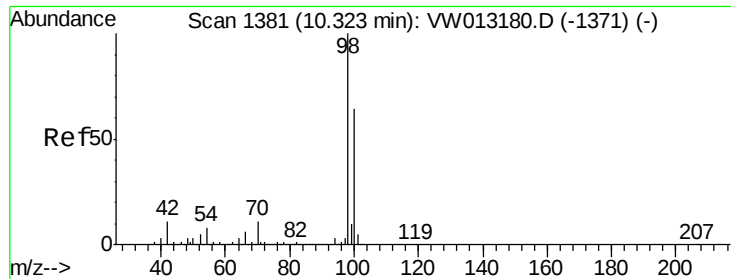
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#40
Benzene
Concen: 3.289 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	47605		
77	25.6		19.1	28.7





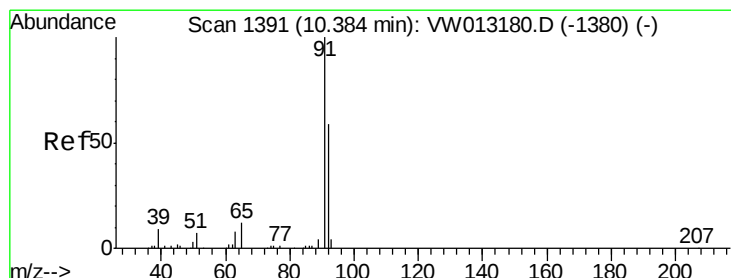
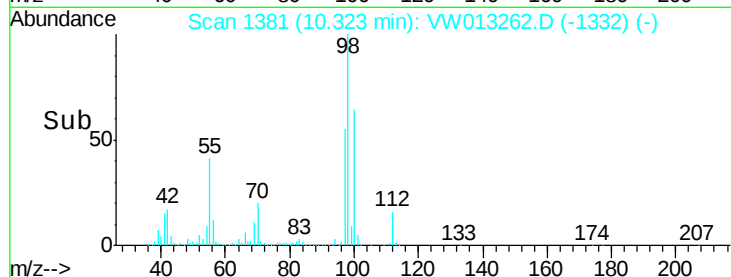
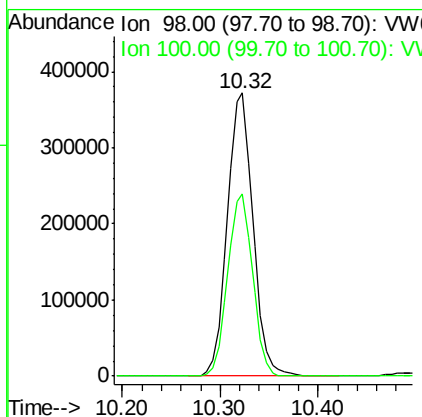
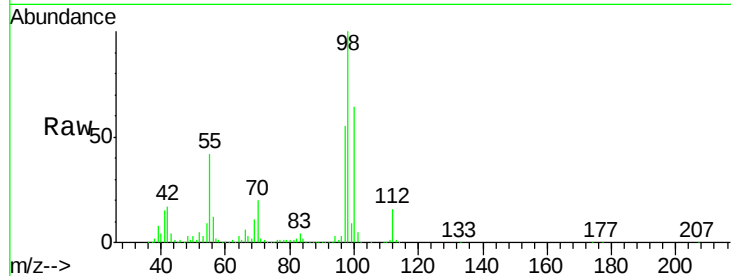
#50
Toluene-d8
Concen: 54.696 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tot Ion: 98 Resp: 674578
Ion Ratio Lower Upper
98 100
100 62.7 52.9 79.3

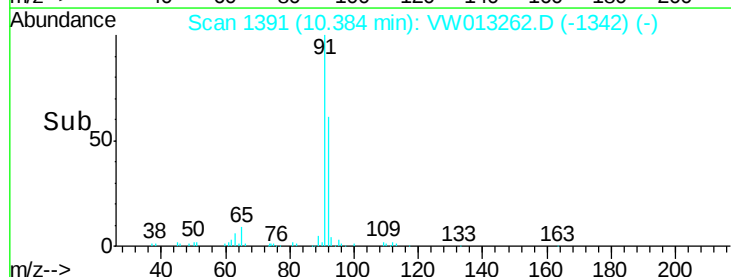
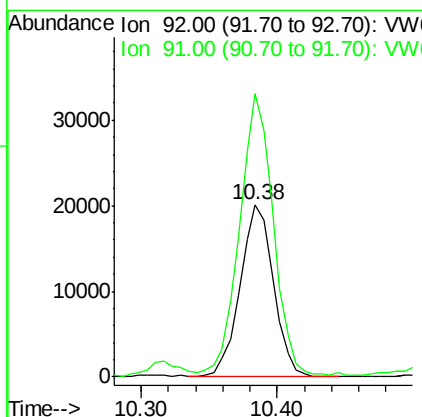
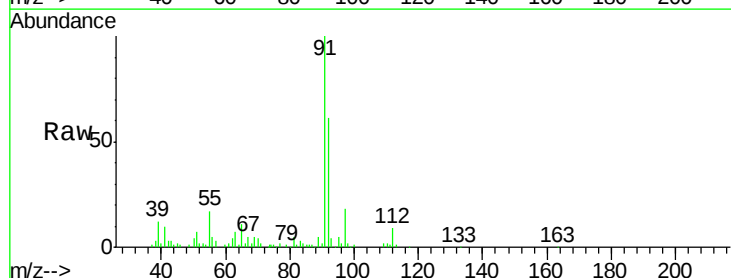
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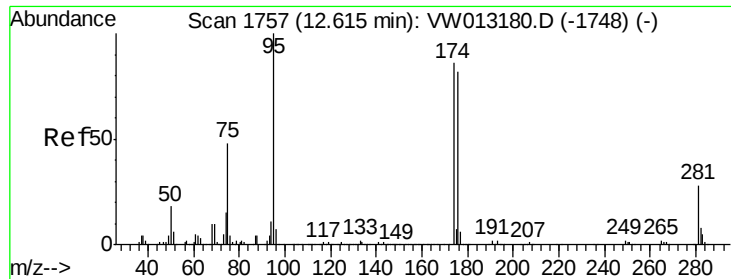
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#52
Toluene
Concen: 3.733 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion: 92 Resp: 34633
Ion Ratio Lower Upper
92 100
91 165.3 135.7 203.5





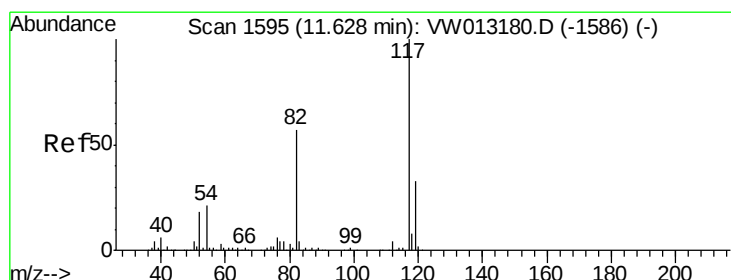
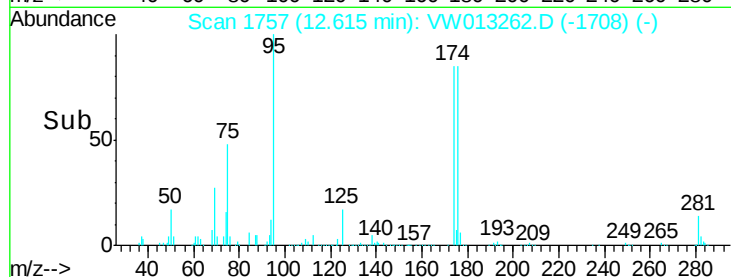
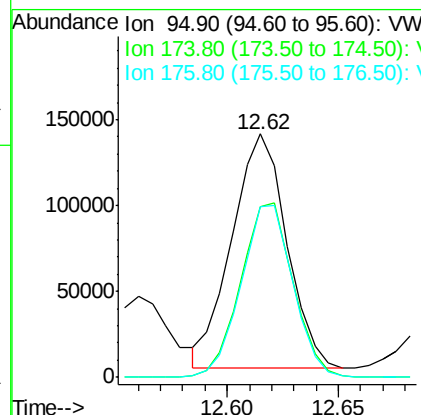
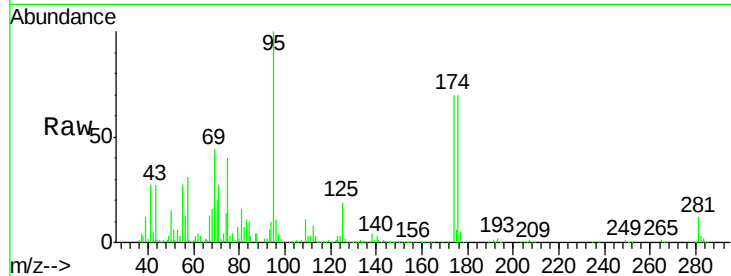
#62
4-Bromofluorobenzene
Concen: 55.500 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	233816		
174	71.2	0.0	178.4	
176	69.6	0.0	172.2	

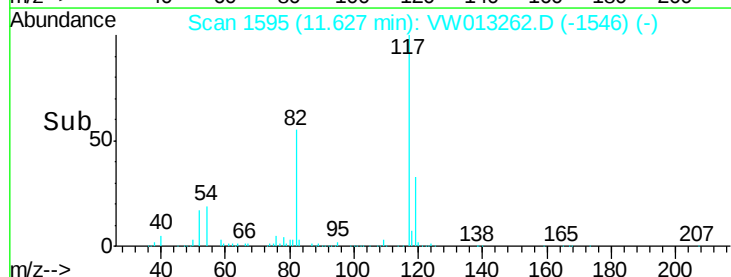
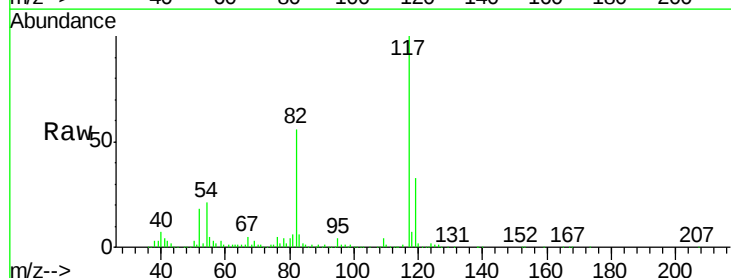
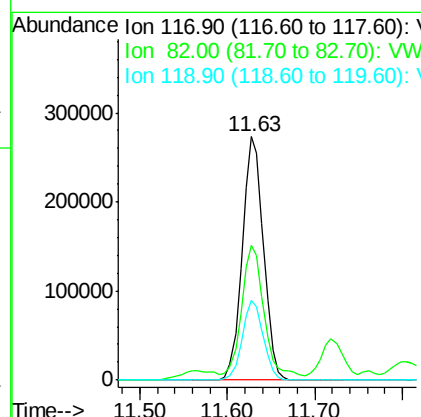
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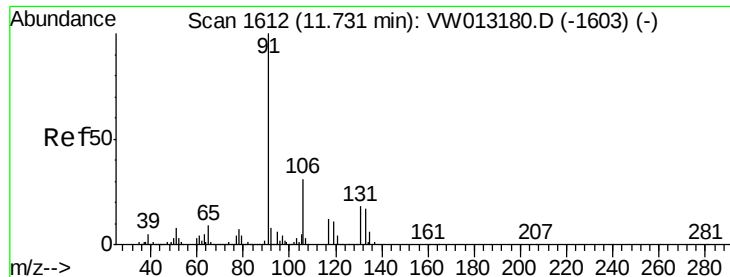
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	461052		
82	51.7	45.9	68.9	
119	32.6	26.2	39.2	





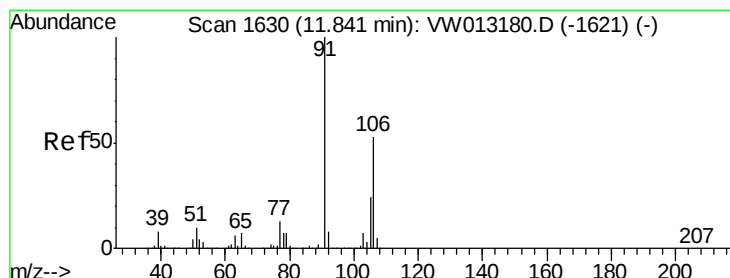
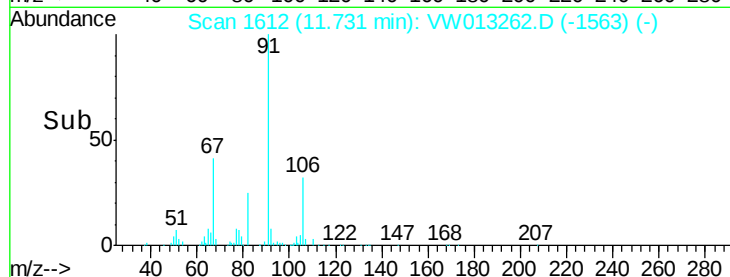
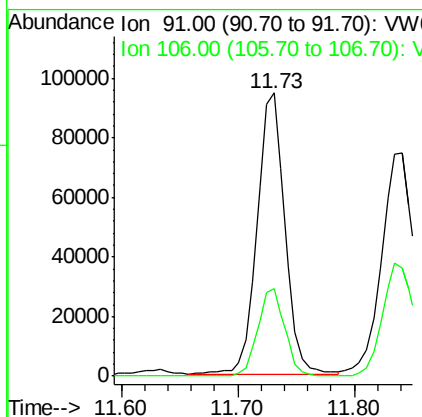
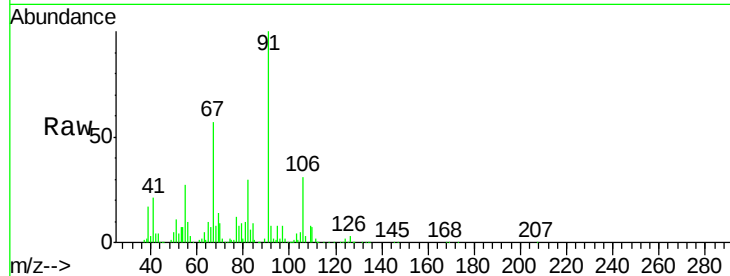
#67
Ethyl Benzene
Concen: 8.984 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion: 91 Resp: 156718
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

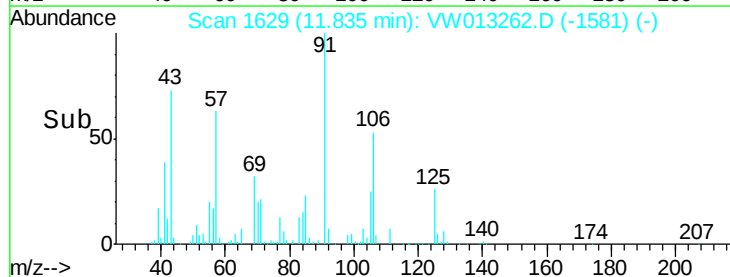
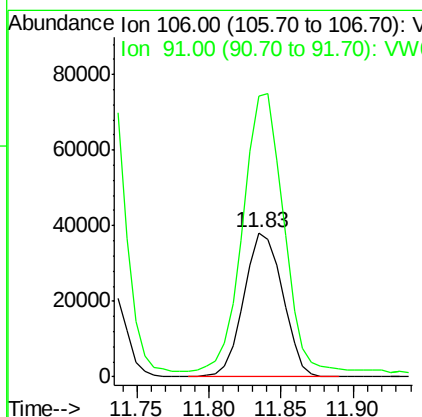
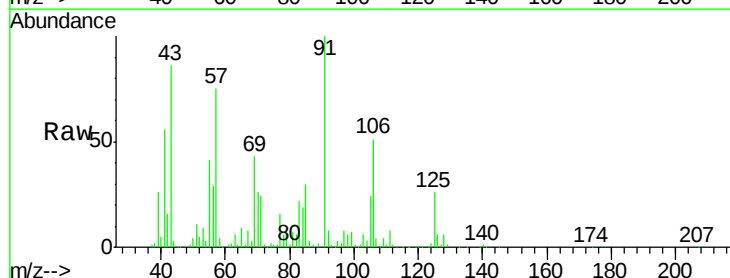
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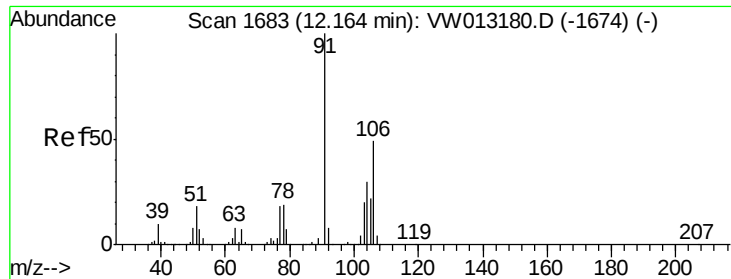
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#68
m/p-Xylenes
Concen: 10.667 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion: 106 Resp: 70909
Ion Ratio Lower Upper
106 100
91 207.6 157.9 236.9





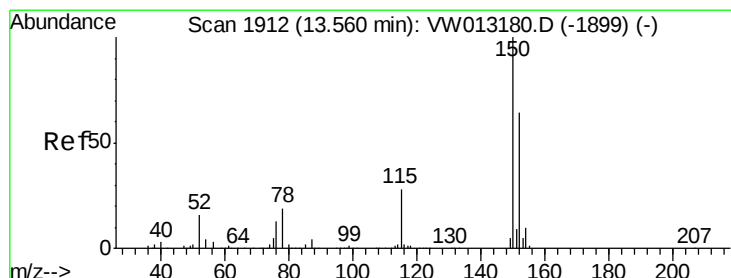
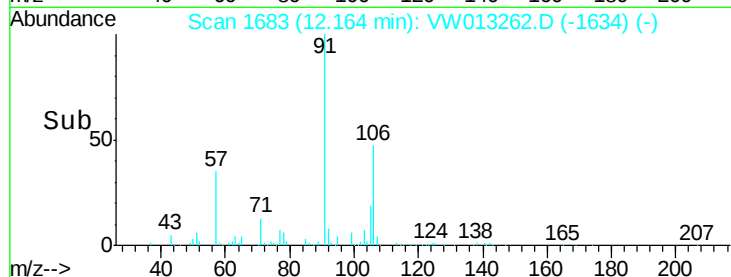
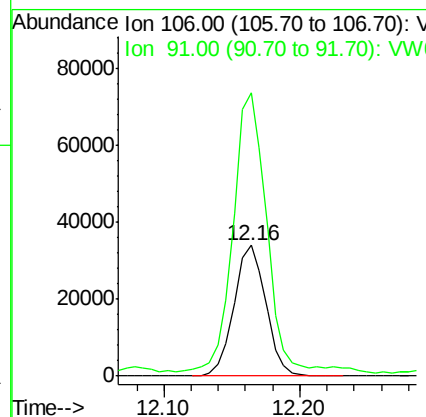
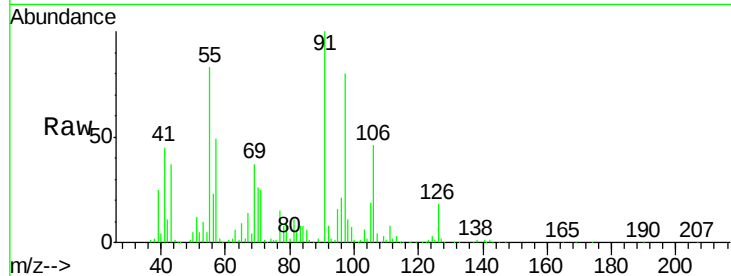
#69
o-Xylene
Concen: 8.944 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion:106 Resp: 55276
Ion Ratio Lower Upper
106 100
91 228.3 106.5 319.5

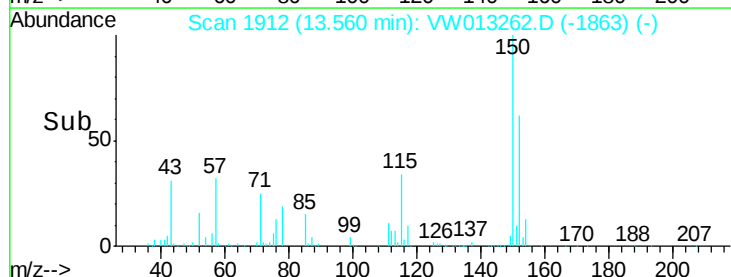
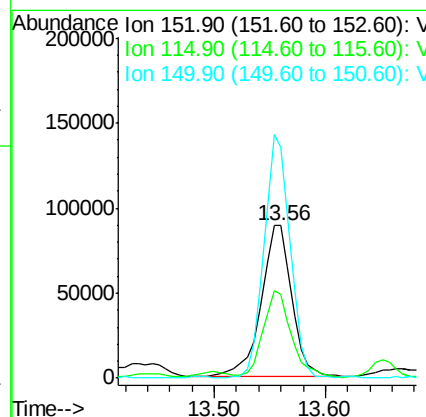
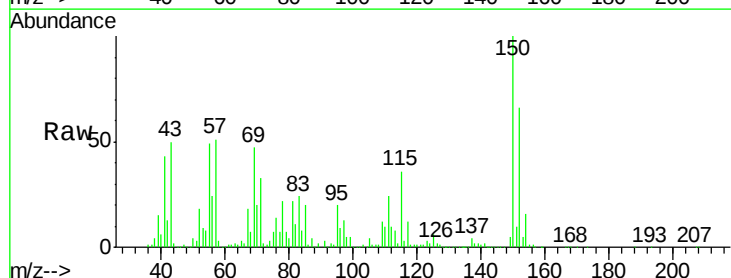
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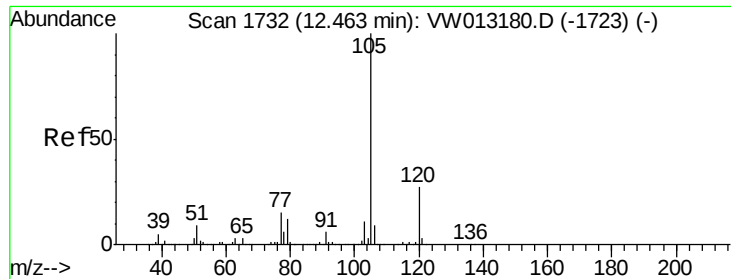
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion:152 Resp: 170939
Ion Ratio Lower Upper
152 100
115 52.3 27.3 81.9
150 136.3 0.0 349.0





#73

Isopropylbenzene

Concen: 5.492 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013262.D

Acq: 24 Sep 2019 06:48

Instrument :

MSVOA_W

ClientSampled :

SB-2

Tot Ion:105 Resp: 69347

Ion Ratio Lower Upper

105 100

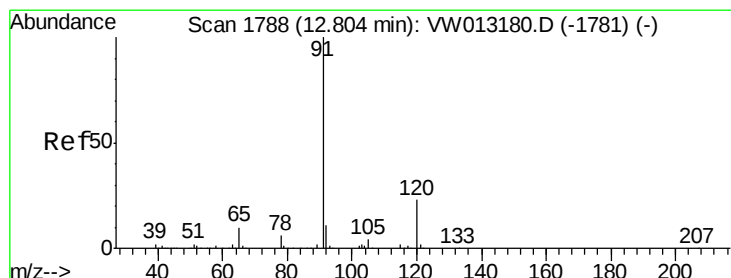
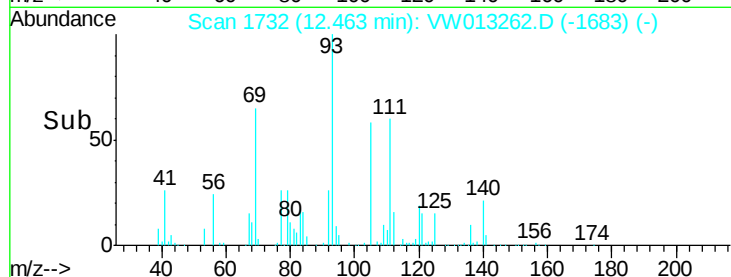
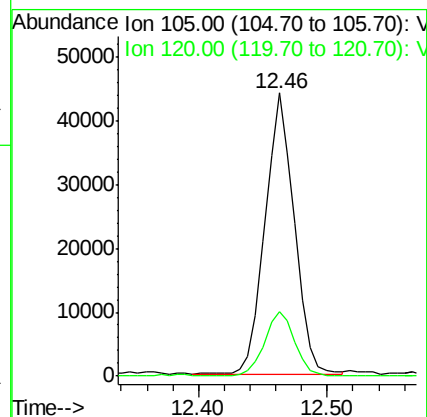
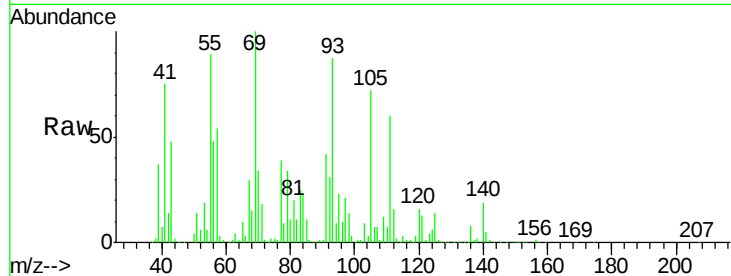
120 23.6 13.4 40.1

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#78

n-propylbenzene

Concen: 9.579 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013262.D

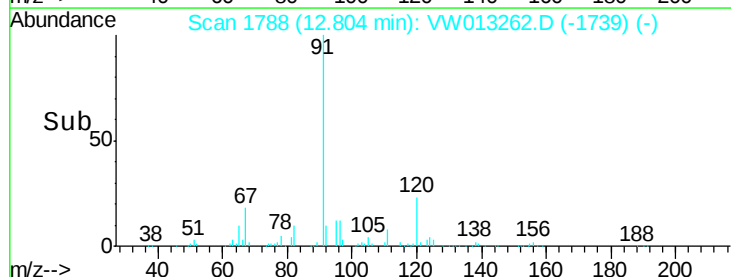
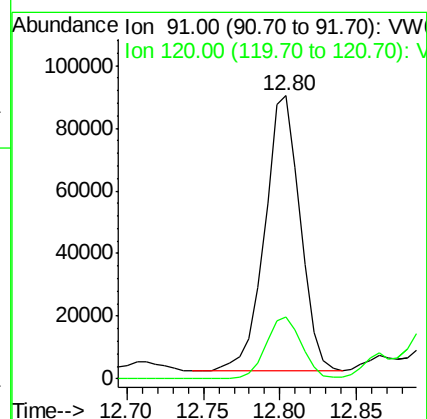
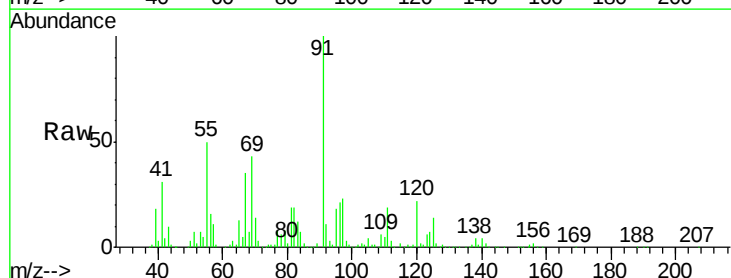
Acq: 24 Sep 2019 06:48

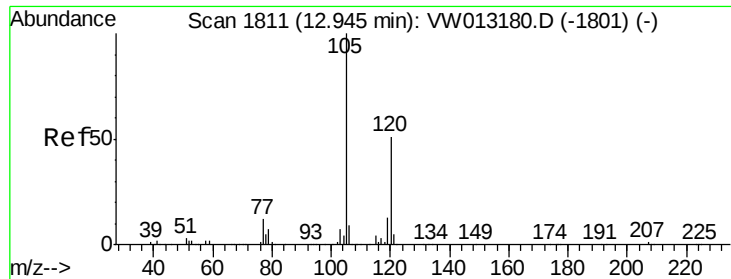
Tgt Ion: 91 Resp: 141587

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.1





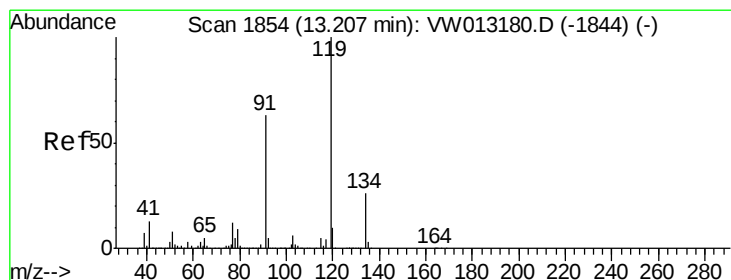
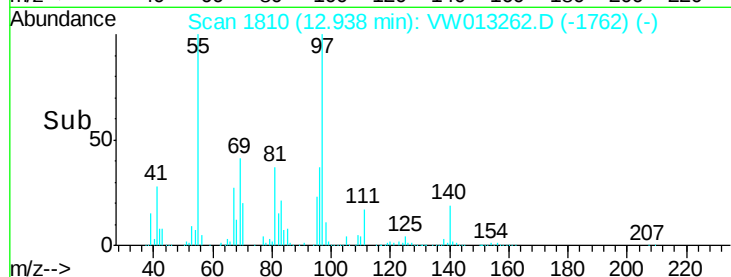
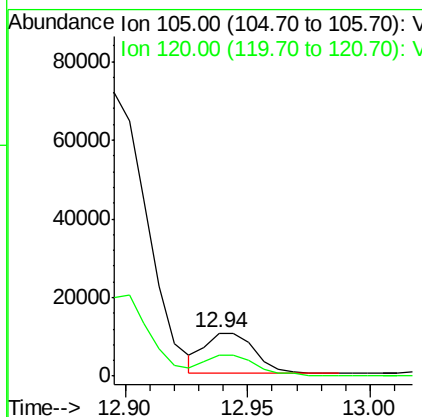
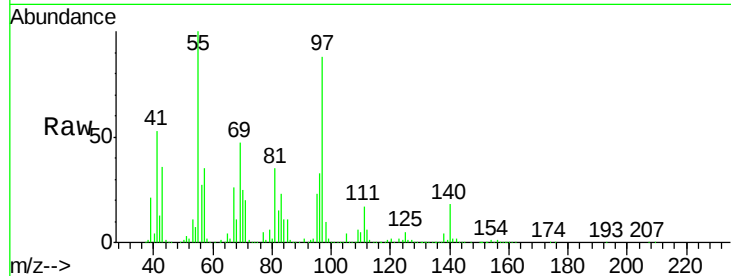
#80
1,3,5-Trimethylbenzene
Concen: 1.388 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.8	24.9	74.8

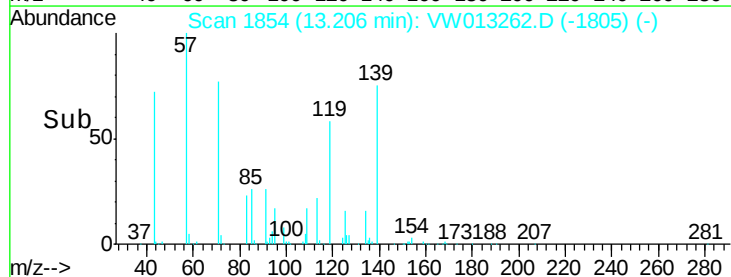
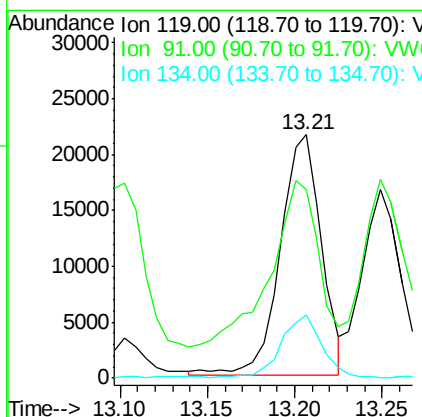
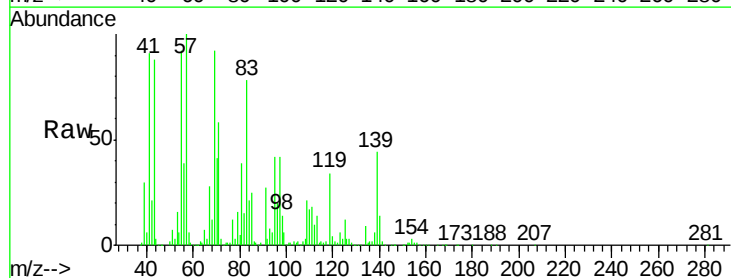
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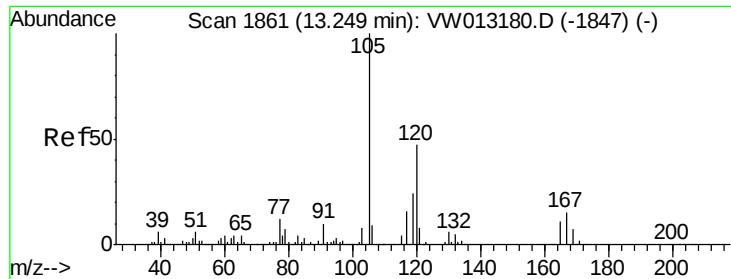
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#83
tert-Butylbenzene
Concen: 3.820 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.3	30.7	92.1
134	25.3	12.6	37.6





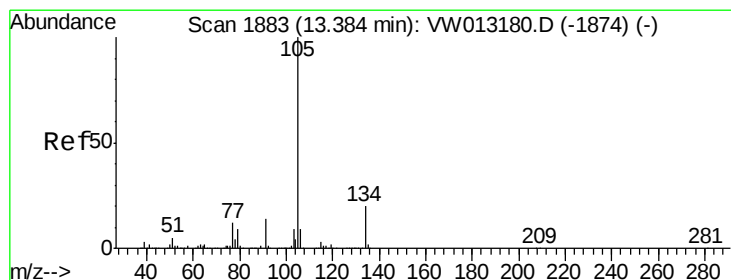
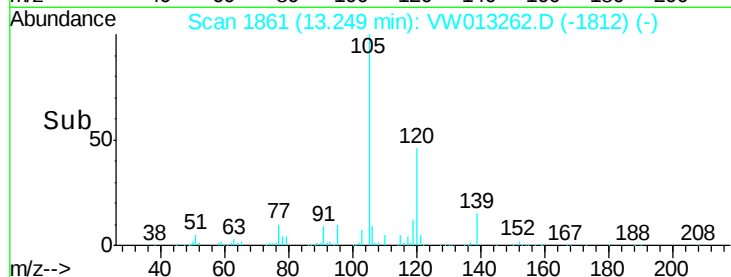
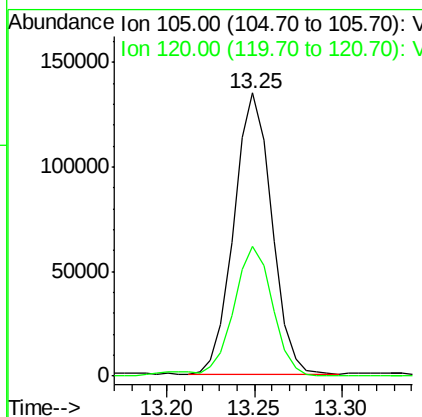
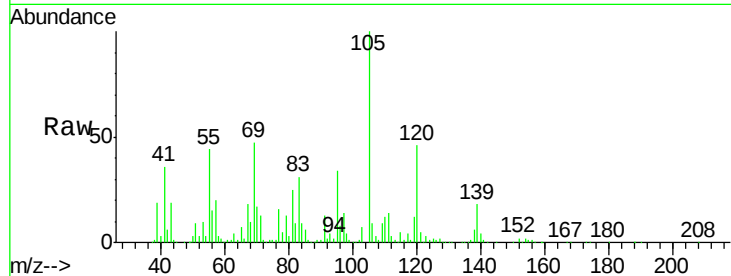
#84
1,2,4-Trimethylbenzene
Concen: 19.066 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.4	70.3

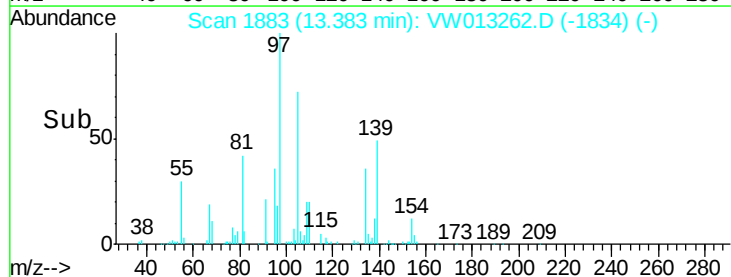
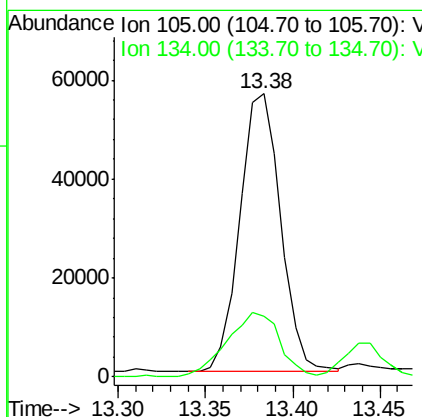
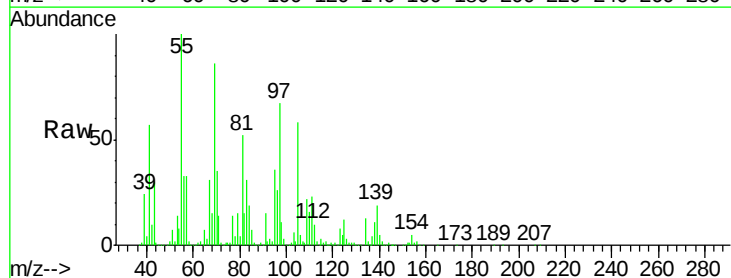
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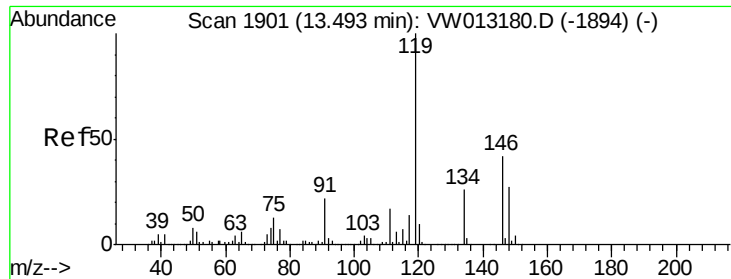
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#85
sec-Butylbenzene
Concen: 7.122 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Lower	Upper
105	100		
134	29.9	10.3	30.8





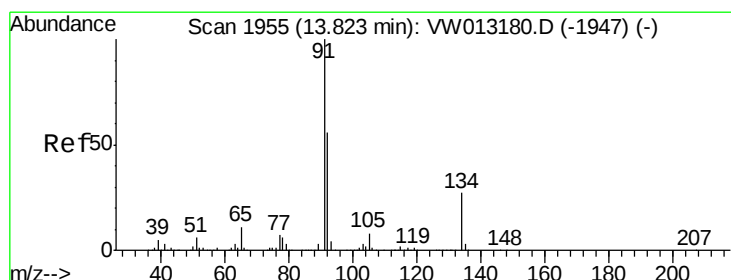
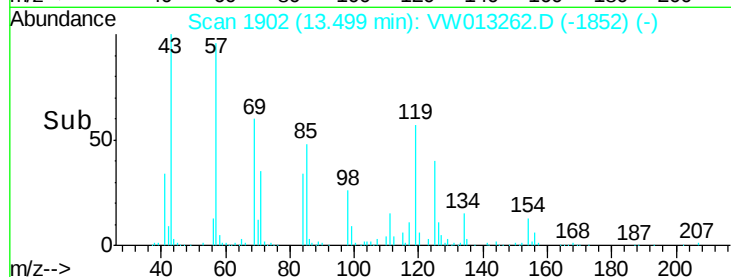
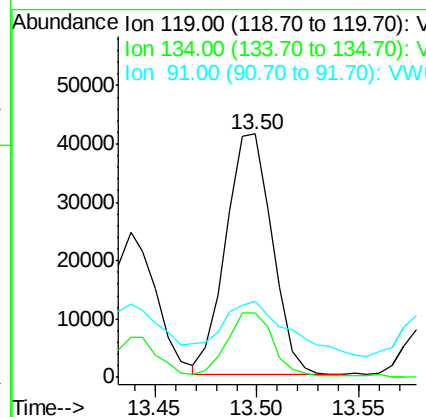
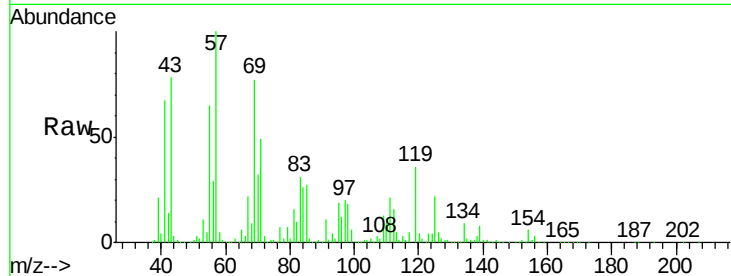
#86
p-Isopropyltoluene
Concen: 5.456 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.01 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	31.5	10.8	32.4

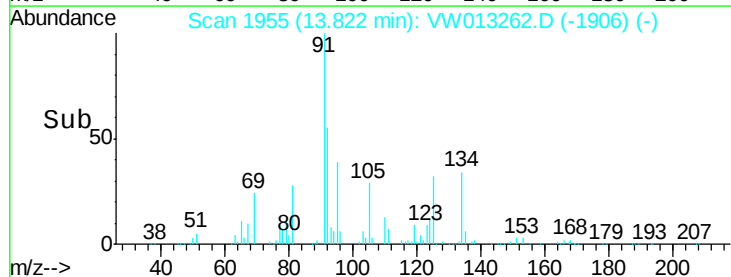
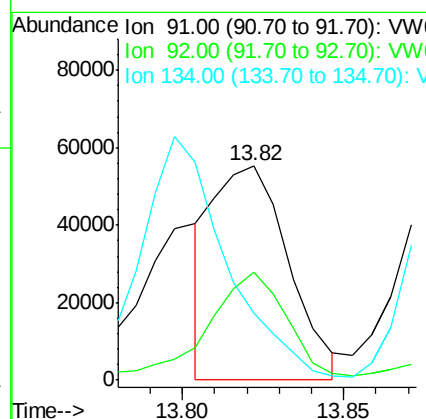
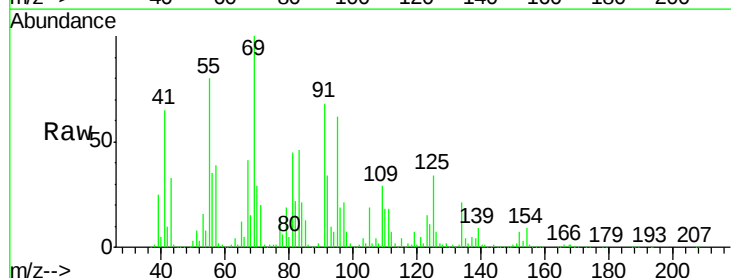
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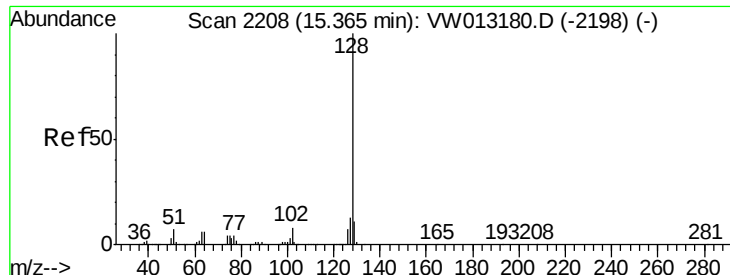
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#89
n-Butylbenzene
Concen: 8.314 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.0	27.6	82.8
134	0.0	13.7	41.1#





#95
Naphthalene
Concen: 47.000 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013262.D
Acq: 24 Sep 2019 06:48

Instrument :
MSVOA_W
ClientSampleId :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	274435		
127	9.6	10.6	15.8#	
129	7.8	8.7	13.1#	

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