

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013263.D
 Acq On : 24 Sep 2019 07:14
 Operator : SY/VA
 Sample : K5008-03
 Misc : 5.76G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:53 AM

Quant Time: Sep 24 09:02:41 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	7.95	168	324936	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	511177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	377870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	234952m	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	152463	57.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.98%	
35) Dibromofluoromethane	7.88	113	144813	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
50) Toluene-d8	10.32	98	940566	79.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.88%	
62) 4-Bromofluorobenzene	12.61	95	700911	174.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	348.78%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	108901	182.095	ug/l #	85
17) Carbon Disulfide	4.37	76	39424	4.517	ug/l	98
29) Tetrahydrofuran	7.52	42	6494	11.795	ug/l #	89
31) Cyclohexane	7.95	56	474839	82.604	ug/l	98
39) Methylcyclohexane	9.33	83	1871623	294.155	ug/l	96
40) Benzene	8.32	78	127793	9.254	ug/l	97
52) Toluene	10.38	92	82617	9.334	ug/l	95
67) Ethyl Benzene	11.73	91	3922913	274.386	ug/l	99
69) o-Xylene	12.16	106	170762	33.713	ug/l	85
73) Isopropylbenzene	12.46	105	2711155	156.207	ug/l	100
78) n-propylbenzene	12.80	91	5639998	277.615	ug/l	99
83) tert-Butylbenzene	13.21	119	353173	27.580	ug/l	85
84) 1,2,4-Trimethylbenzene	13.26	105	146858m	10.116	ug/l	
85) sec-Butylbenzene	13.38	105	5140163	291.150	ug/l	81
86) p-Isopropyltoluene	13.50	119	191043m	11.667	ug/l	
89) n-Butylbenzene	13.83	91	3934140	263.119	ug/l #	82
95) Naphthalene	15.36	128	2684751	334.520	ug/l	98

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

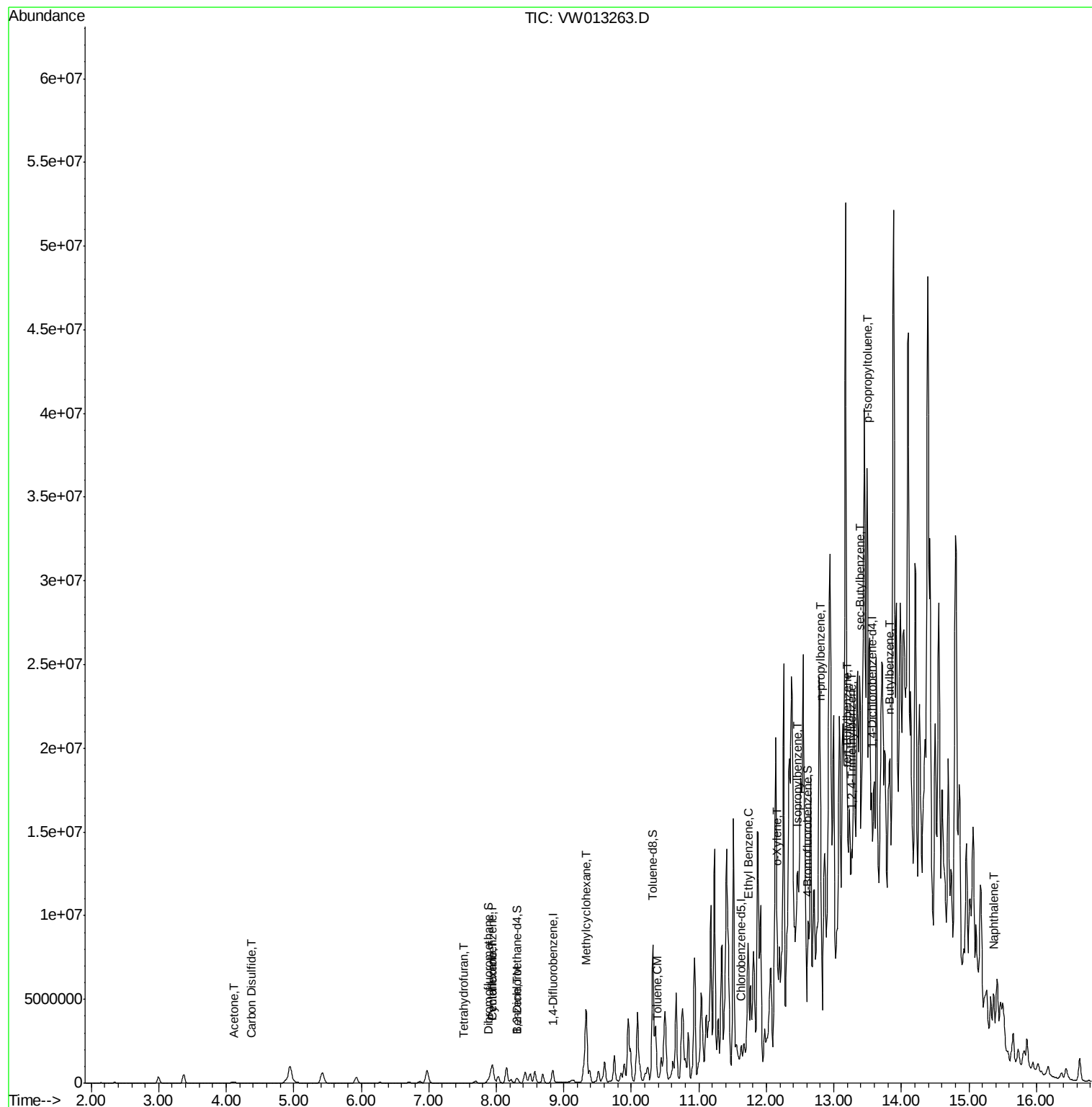
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013263.D
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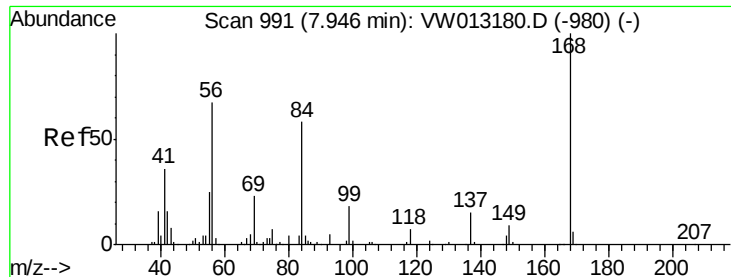
Instrument :
MSVOA_W
ClientSampleId :
SB-3

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Quant Time: Sep 24 09:02:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 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: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

Tot Ion:168 Resp: 324936

Ion Ratio Lower Upper

168 100

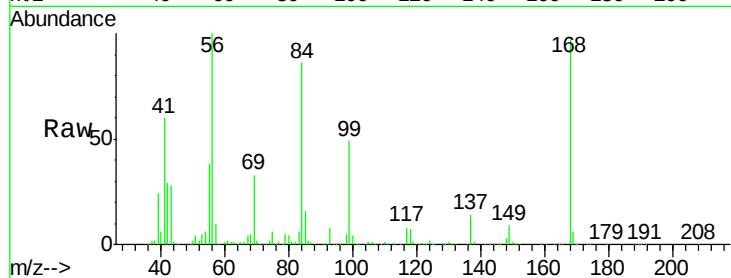
99 50.0 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

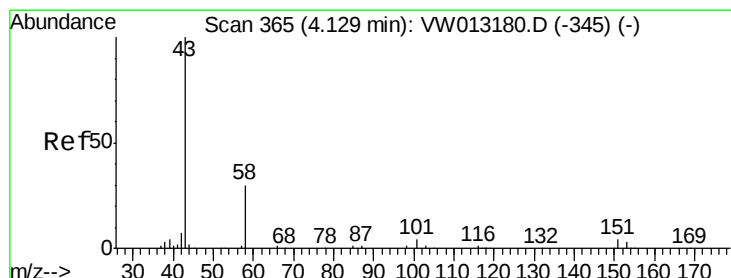
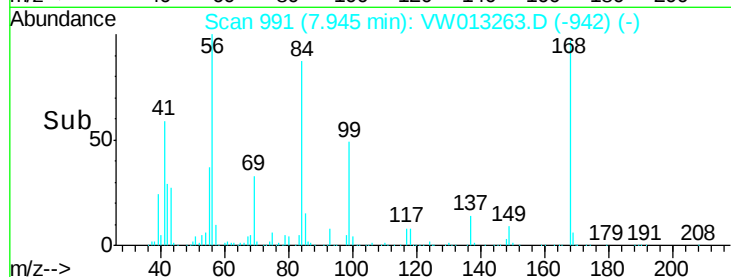
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 182.095 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013263.D

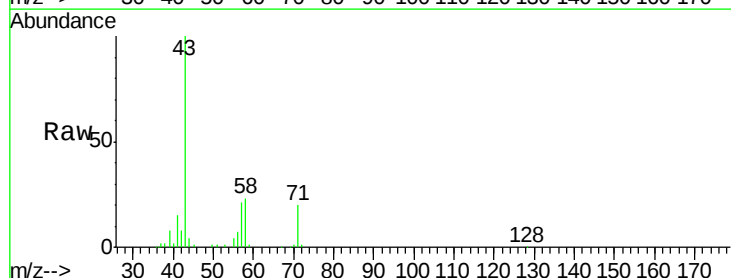
Acq: 24 Sep 2019 07:14

Tgt Ion: 43 Resp: 108901

Ion Ratio Lower Upper

43 100

58 22.1 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

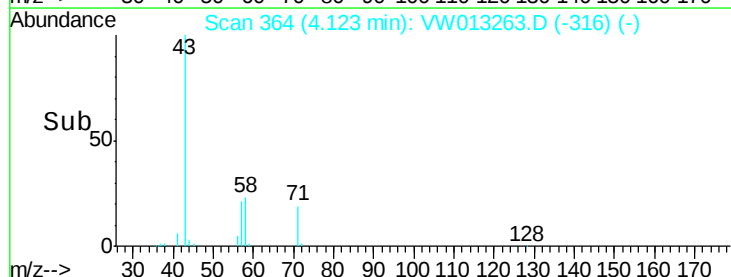
15000

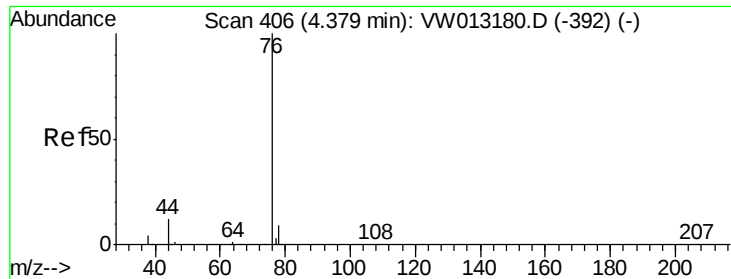
10000

5000

0

Time--> 3.90 4.00 4.10 4.20 4.30





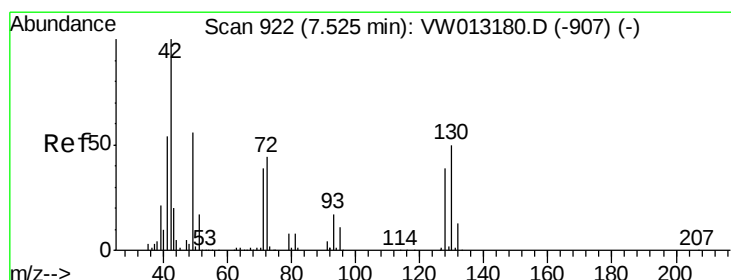
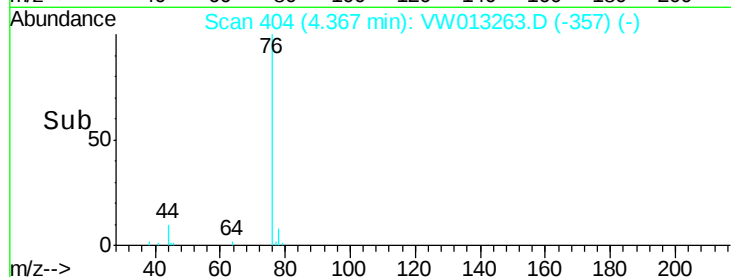
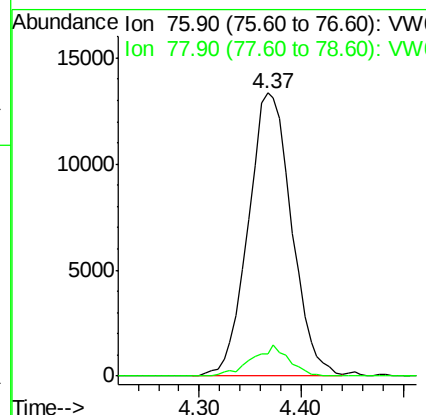
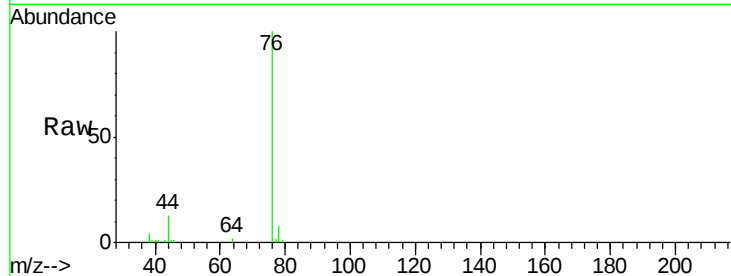
#17
Carbon Disulfide
Concen: 4.517 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4

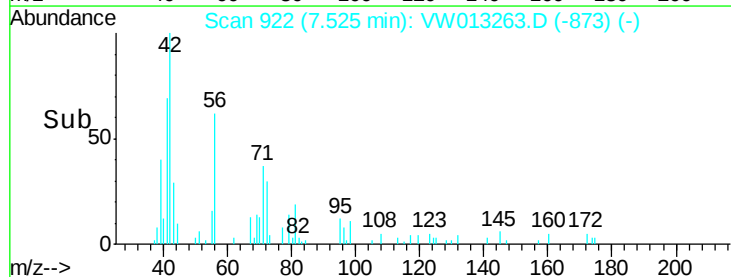
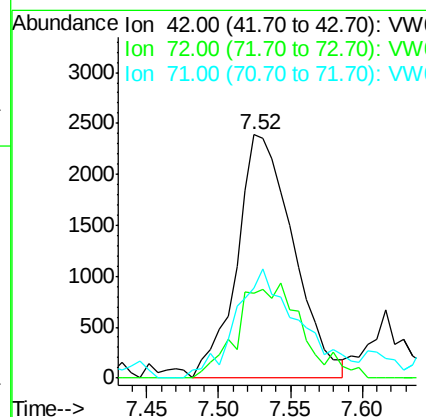
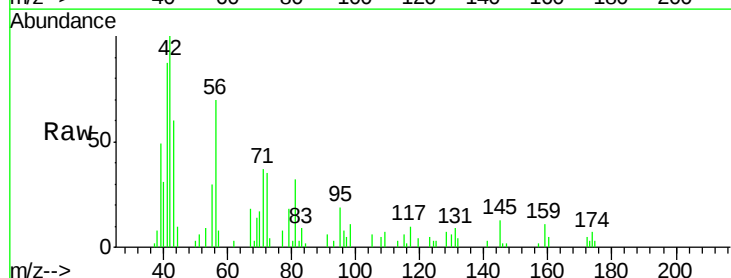
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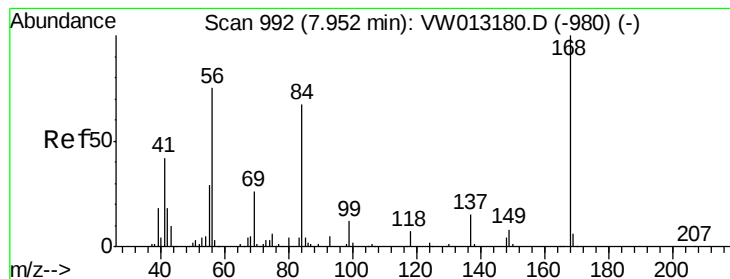
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#29
Tetrahydrofuran
Concen: 11.795 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.0	33.9	50.9
71	51.6	31.9	47.9#





#31

Cyclohexane

Concen: 82.604 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

SB-3

Tot Ion: 56 Resp: 474839

Ion Ratio Lower Upper

56 100

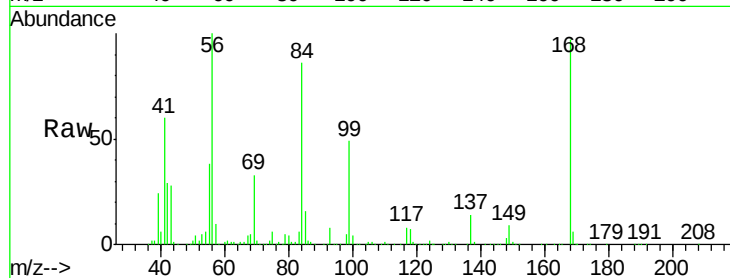
69 31.8 27.2 40.8

84 86.7 70.8 106.2

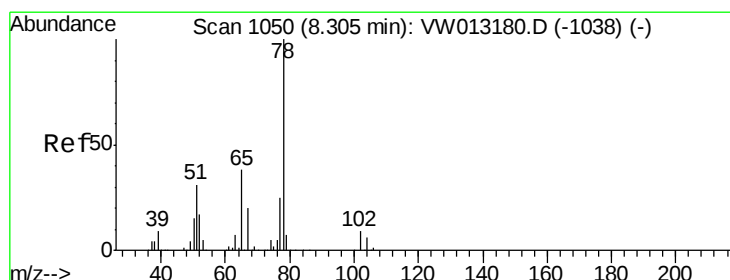
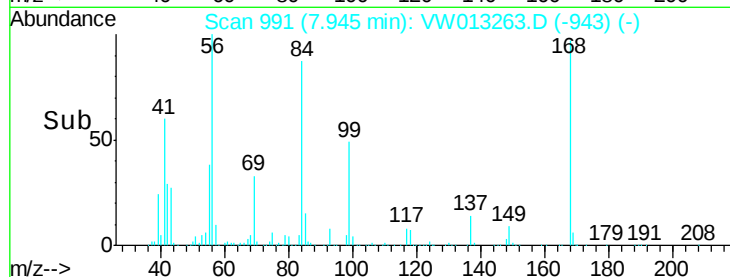
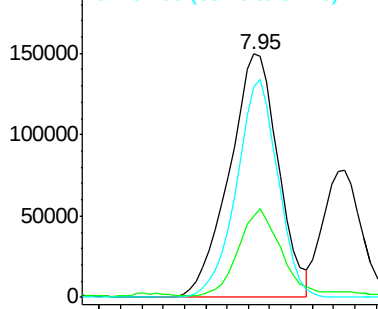
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 57.491 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013263.D

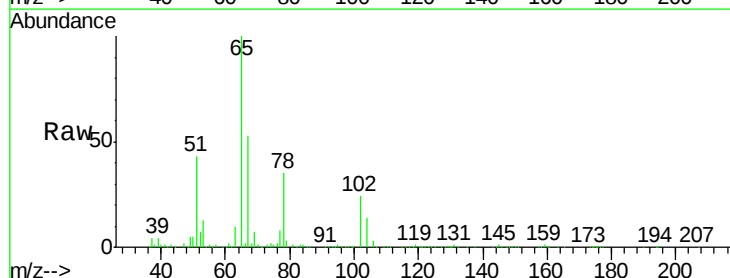
Acq: 24 Sep 2019 07:14

Tgt Ion: 65 Resp: 152463

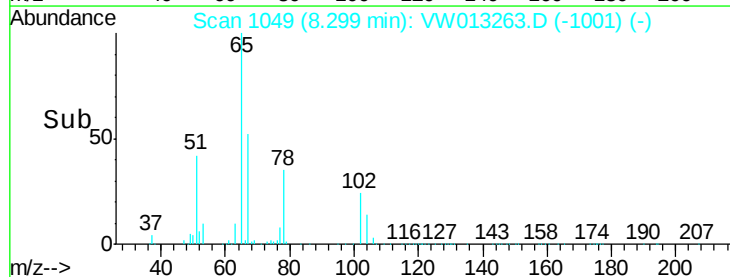
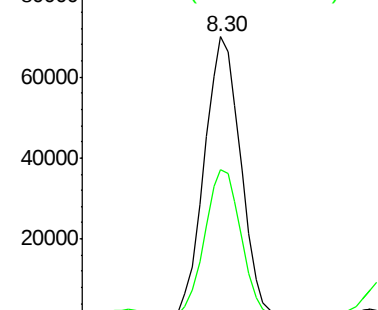
Ion Ratio Lower Upper

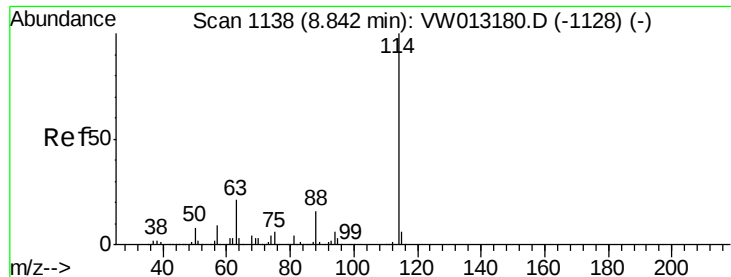
65 100

67 53.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





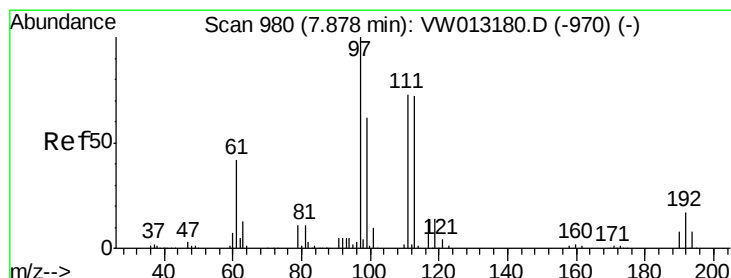
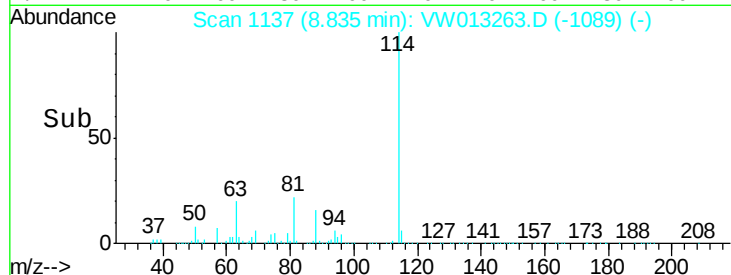
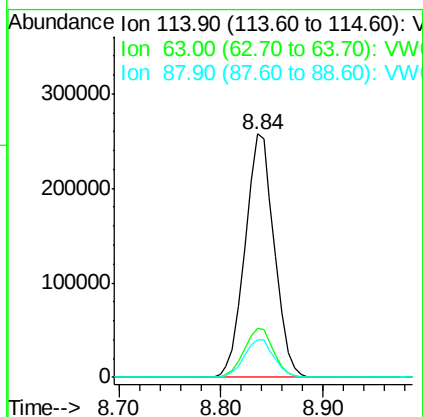
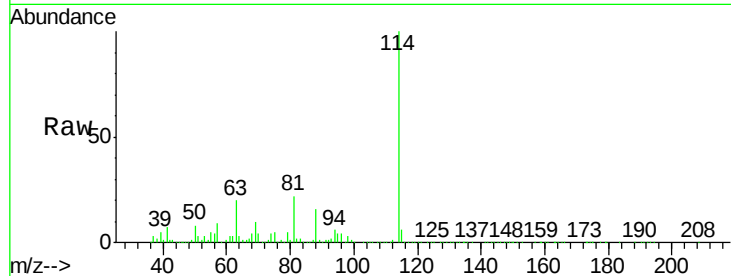
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampleId :
SB-3

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	20.1	0.0	41.4
88	15.6	0.0	32.0

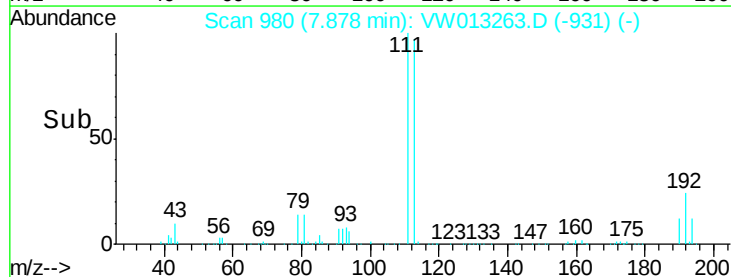
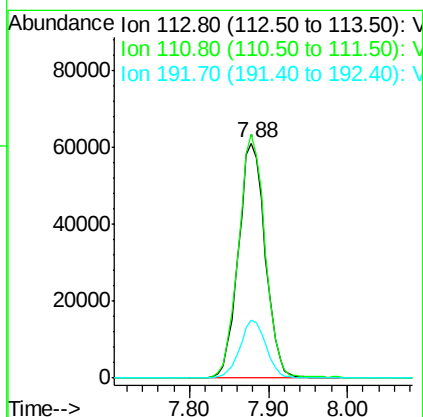
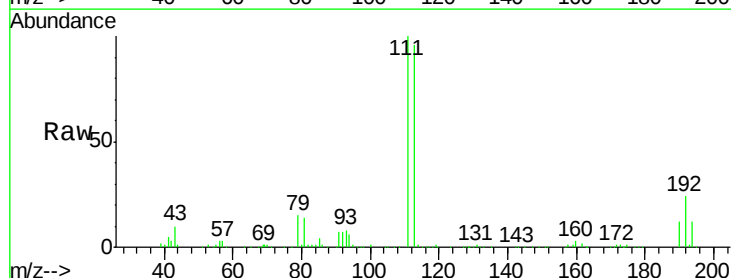
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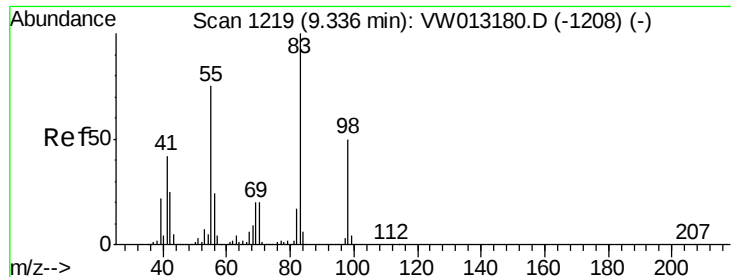
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#35
Dibromofluoromethane
Concen: 51.508 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.9	81.9	122.9
192	24.1	19.1	28.7





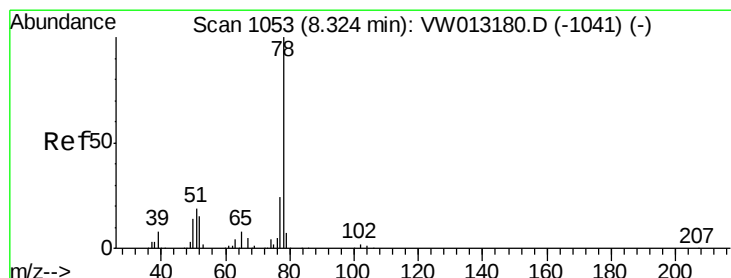
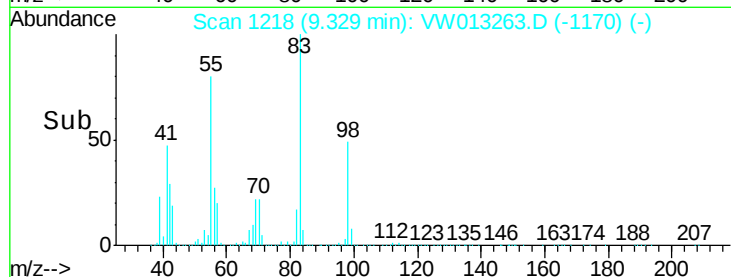
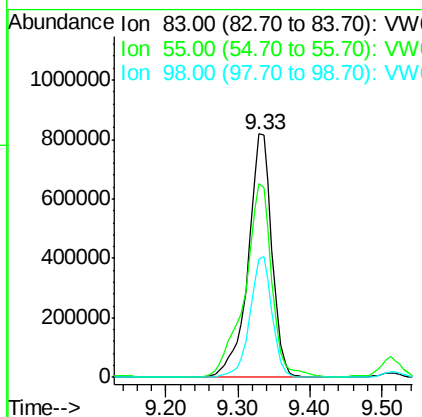
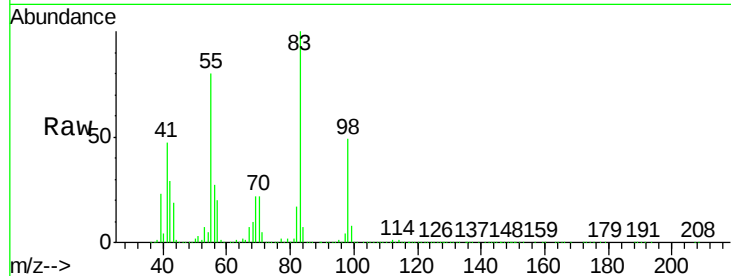
#39
Methvlcvclohexane
Concen: 294.155 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

Tot Ion: 83 Resp: 1871623
Ion Ratio Lower Upper
83 100
55 79.5 60.4 90.6
98 48.7 40.0 60.0

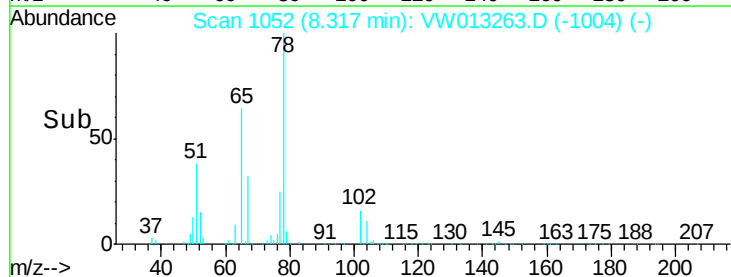
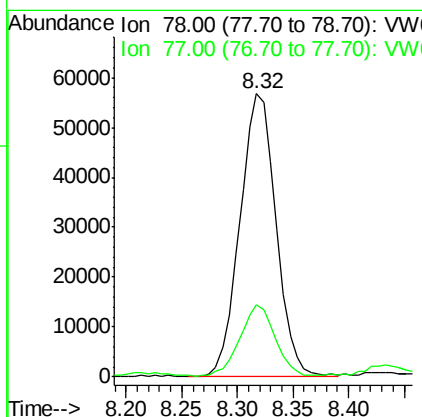
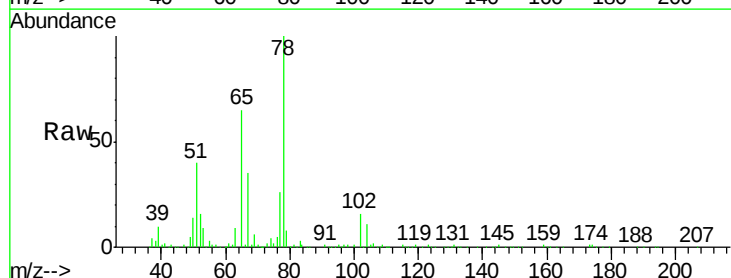
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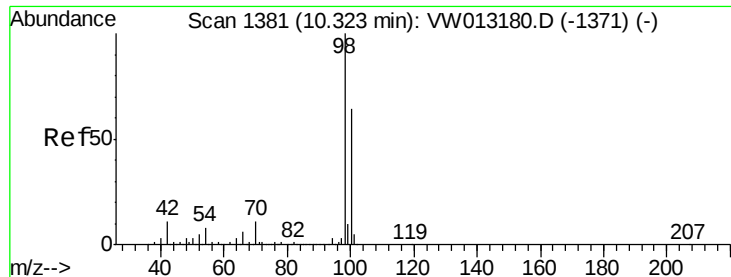
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#40
Benzene
Concen: 9.254 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 78 Resp: 127793
Ion Ratio Lower Upper
78 100
77 25.3 19.1 28.7





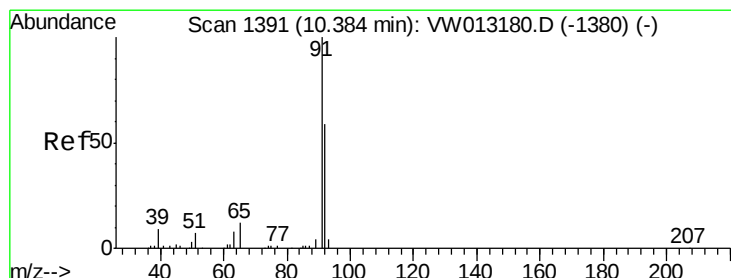
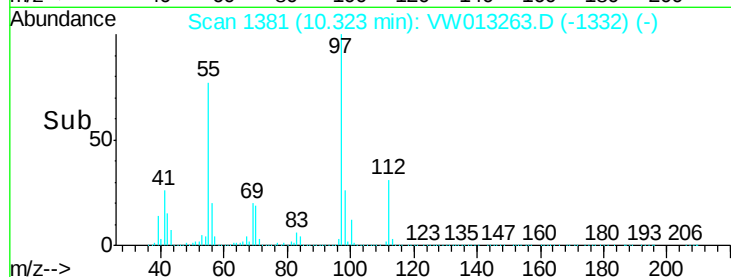
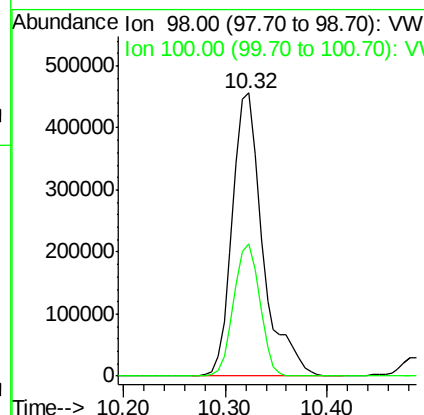
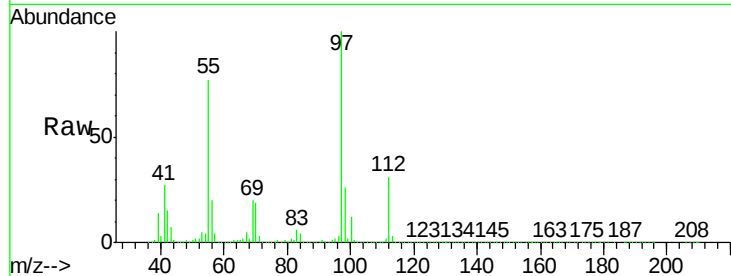
#50
Toluene-d8
Concen: 79.937 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

Tot Ion: 98 Resp: 940566
Ion Ratio Lower Upper
98 100
100 40.2 52.9 79.3#

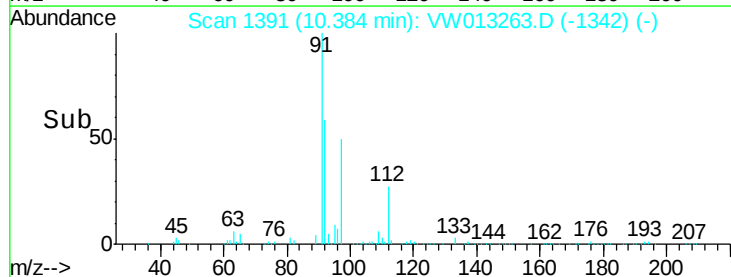
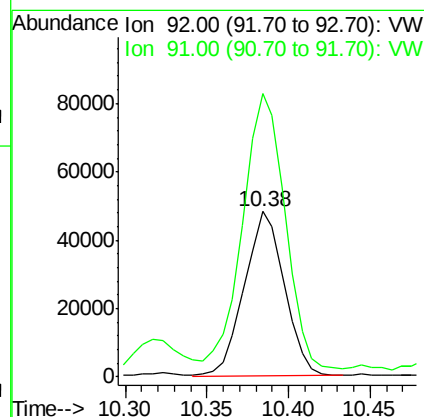
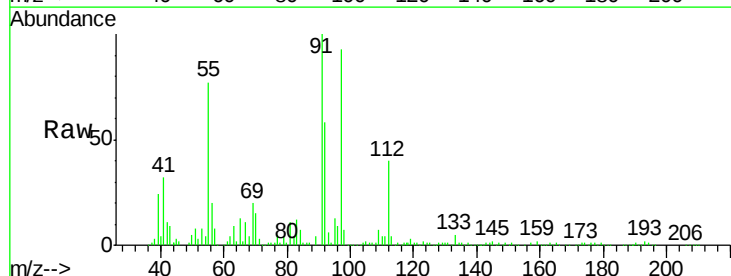
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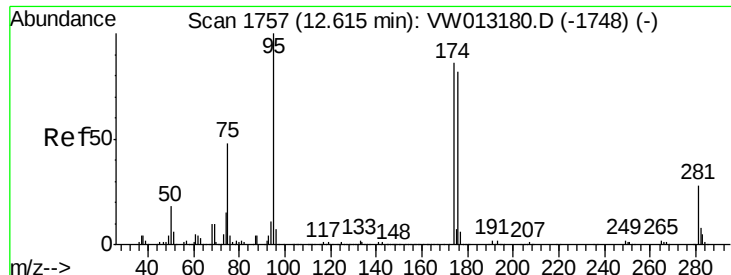
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#52
Toluene
Concen: 9.334 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 92 Resp: 82617
Ion Ratio Lower Upper
92 100
91 176.3 135.7 203.5





#62

4-Bromofluorobenzene

Concen: 174.387 ug/l

RT: 12.61 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

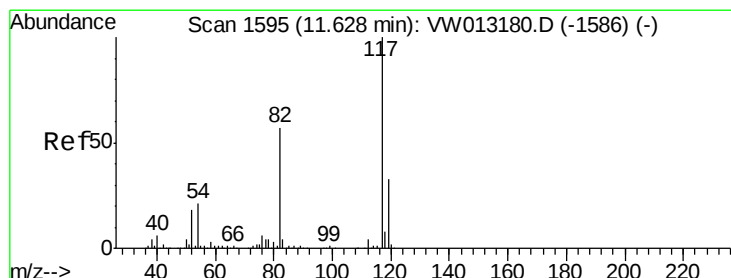
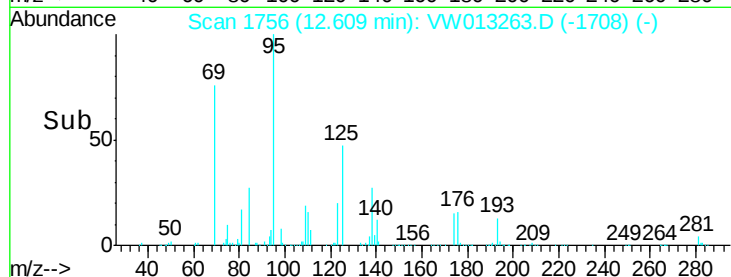
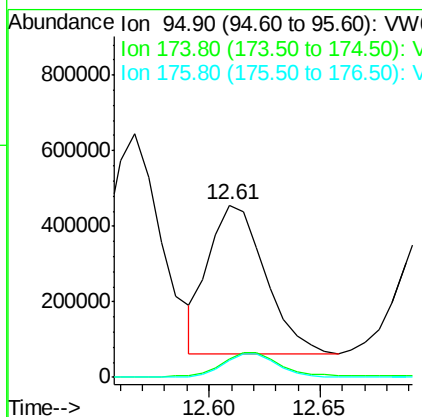
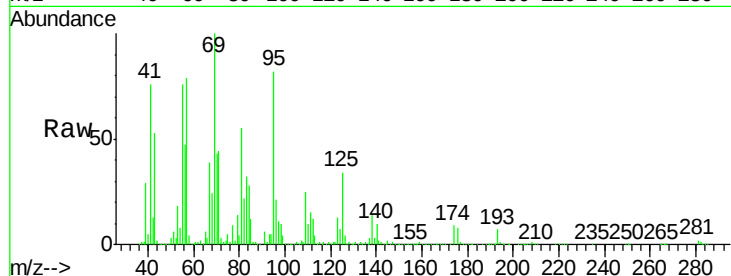
ClientSampled :

SB-3

Tot Ion:	95	Resp:	700911
Ion Ratio	Lower	Upper	
95	100		
174	17.7	0.0	178.4
176	15.0	0.0	172.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

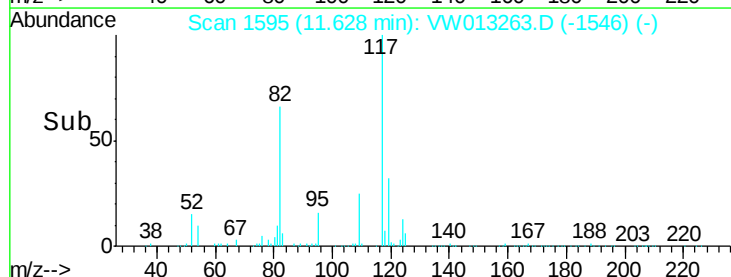
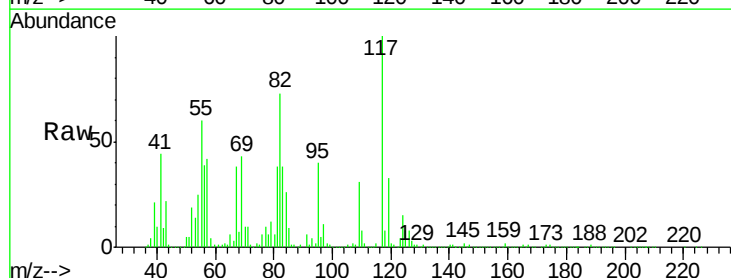
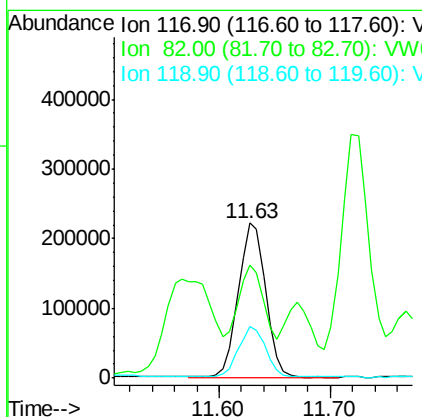
RT: 11.63 min Scan# 1595

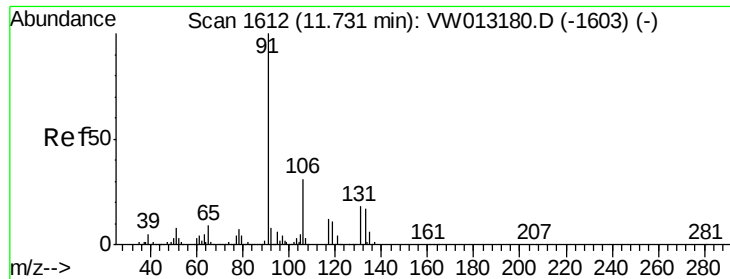
Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Tgt Ion:	117	Resp:	377870
Ion Ratio	Lower	Upper	
117	100		
82	11.2	45.9	68.9#
119	32.3	26.2	39.2





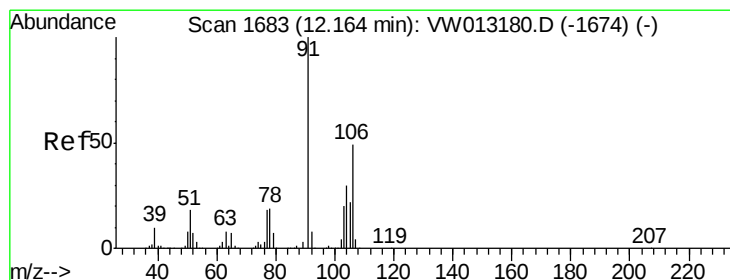
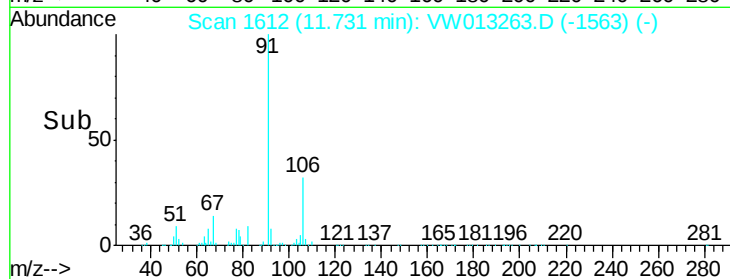
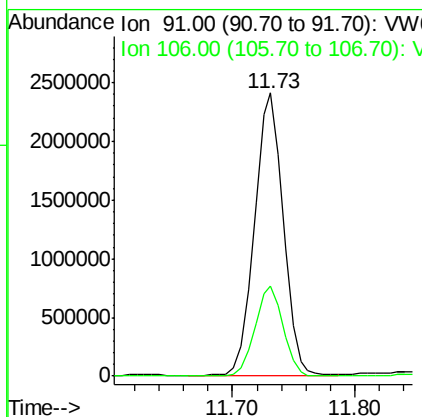
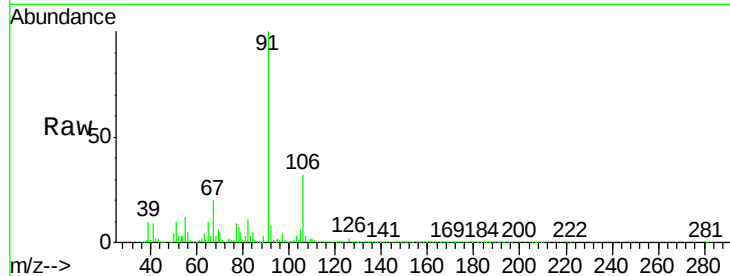
#67
Ethyl Benzene
Concen: 274.386 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampled :
SB-3

Tot Ion: 91 Resp: 3922913
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

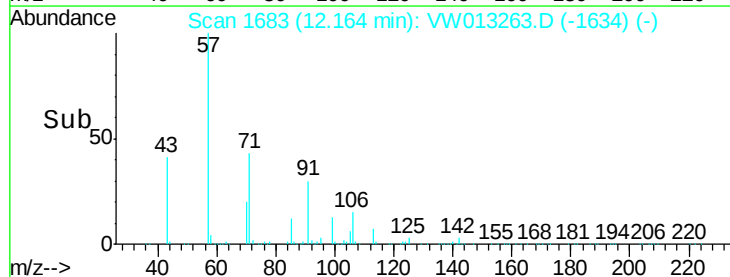
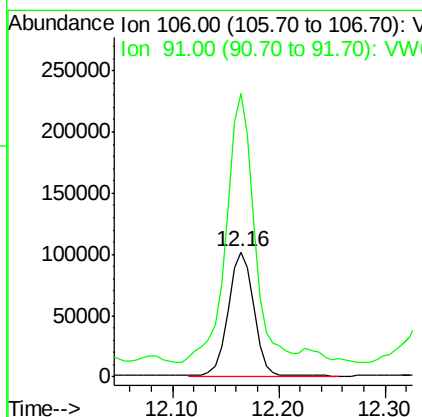
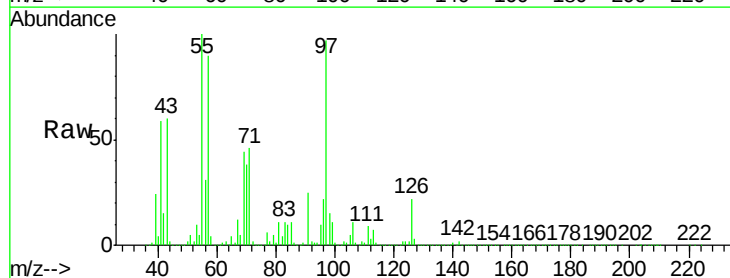
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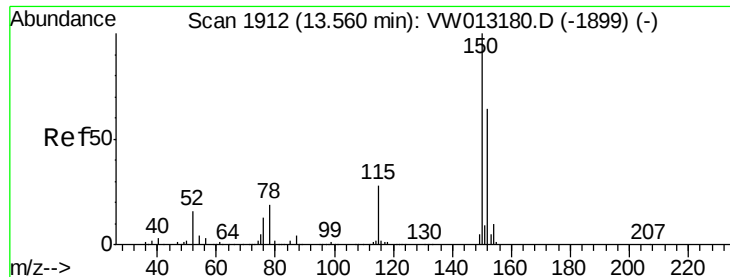
MMDadoda
9/25/2019 12:35:53 AM



#69
o-Xylene
Concen: 33.713 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion: 106 Resp: 170762
Ion Ratio Lower Upper
106 100
91 237.0 106.5 319.5





#72

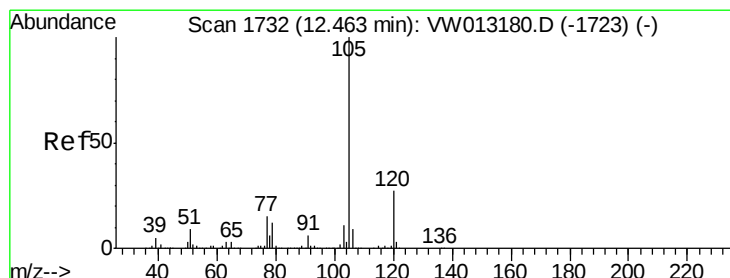
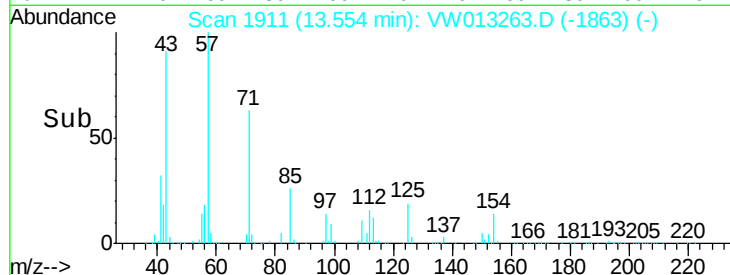
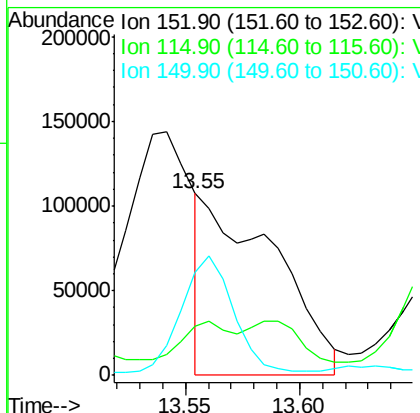
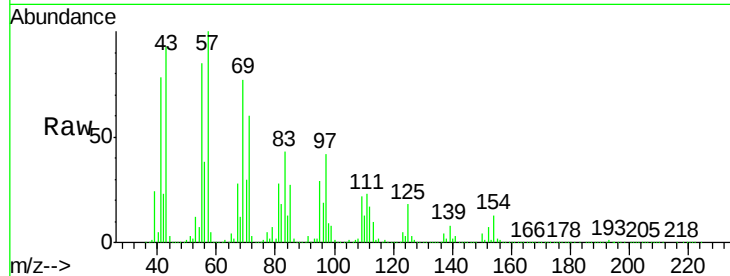
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampleId :
SB-3

Tot Ion	Ratio	Lower	Upper
152	100		
115	0.0	27.3	81.9#
150	45.6	0.0	349.0

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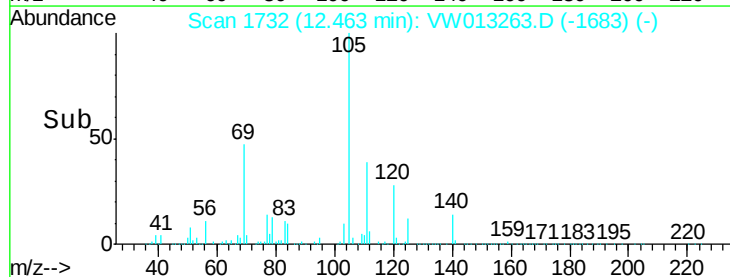
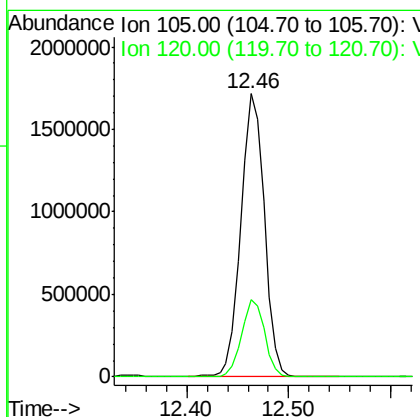
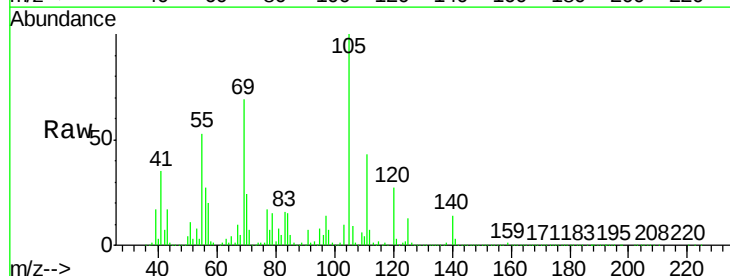
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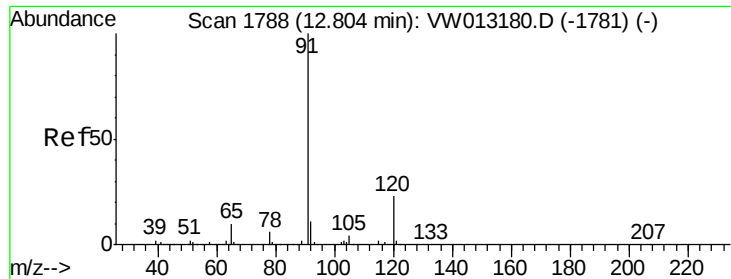


#73

Isopropylbenzene
Concen: 156.207 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.4	40.1





#78

n-propylbenzene

Concen: 277.615 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampleId :

SB-3

Tot Ion: 91 Resp: 5639998

Ion Ratio Lower Upper

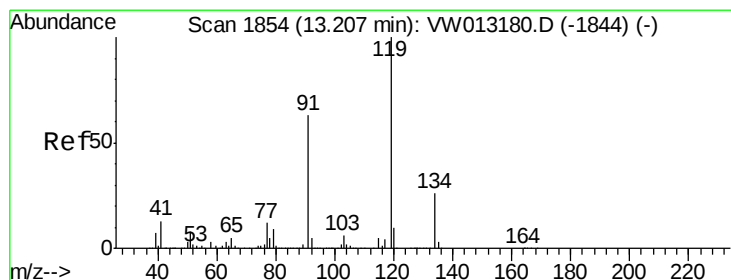
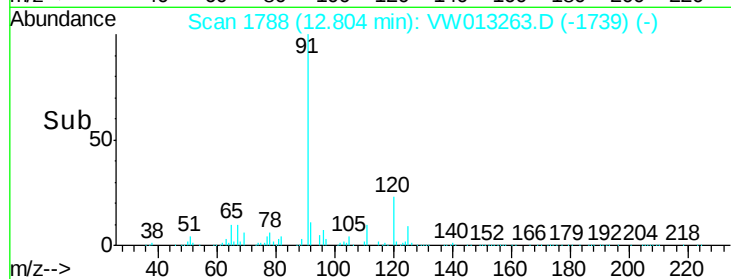
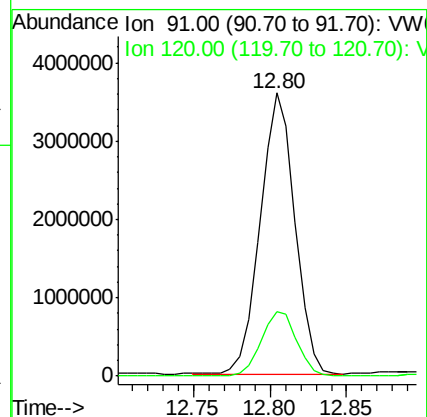
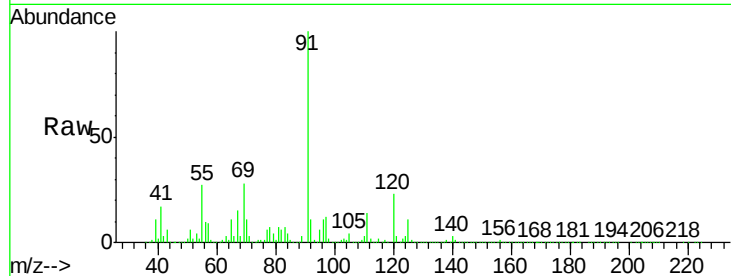
91 100

120 23.7 11.7 35.1

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#83

tert-Butylbenzene

Concen: 27.580 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

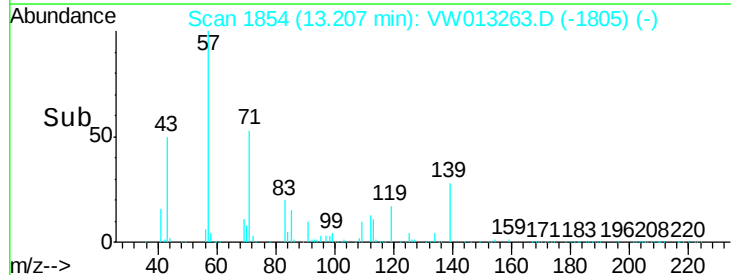
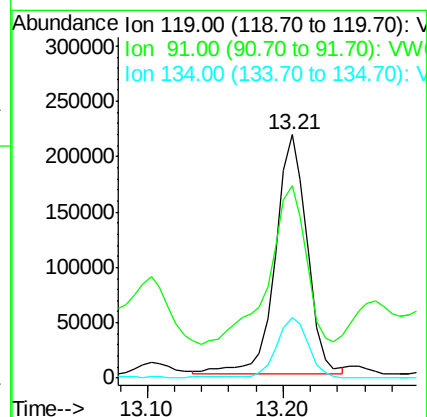
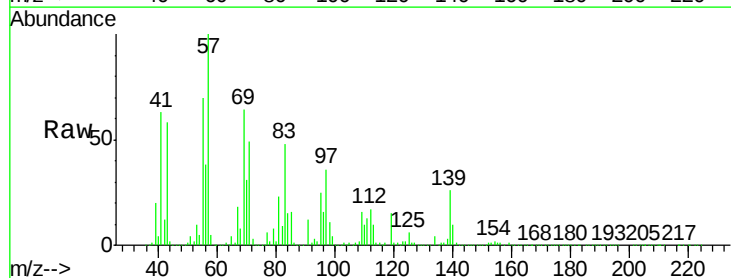
Tgt Ion: 119 Resp: 353173

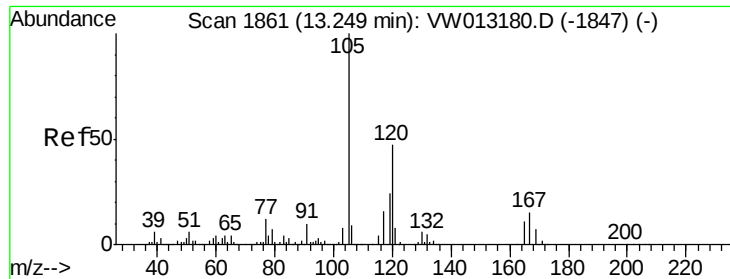
Ion Ratio Lower Upper

119 100

91 77.3 30.7 92.1

134 26.2 12.6 37.6





#84

1,2,4-Trimethylbenzene

Concen: 10.116 ug/l m

RT: 13.26 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

ClientSampled :

SB-3

Tot Ion:105 Resp: 146858

Ion Ratio Lower Upper

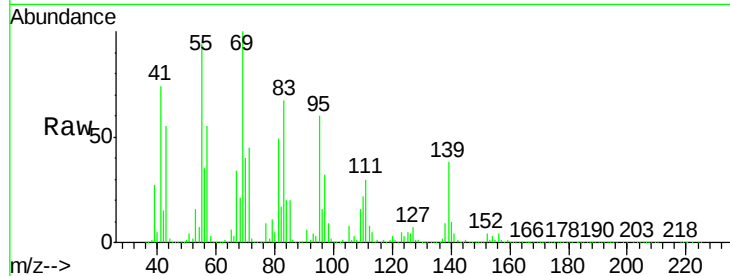
105 100

120 197.7 23.4 70.3#

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

20000

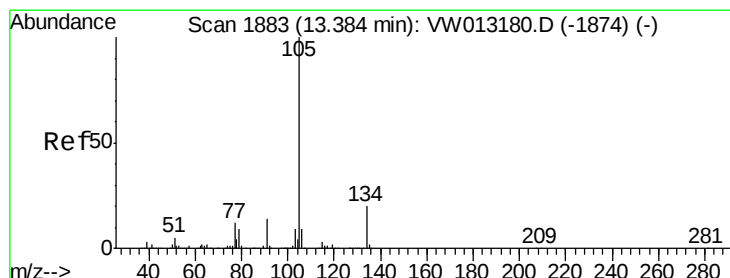
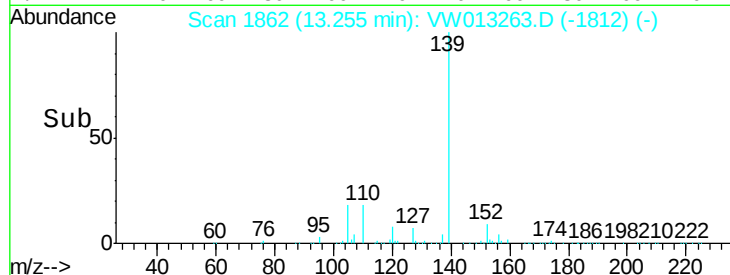
0

13.20

13.25

13.30

Time-->



#85

sec-Butylbenzene

Concen: 291.150 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013263.D

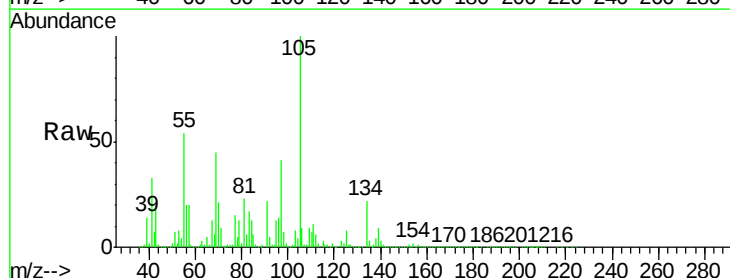
Acq: 24 Sep 2019 07:14

Tgt Ion:105 Resp: 5140163

Ion Ratio Lower Upper

105 100

134 29.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

3000000

2000000

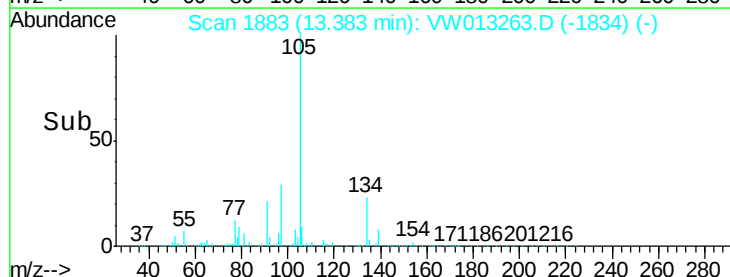
1000000

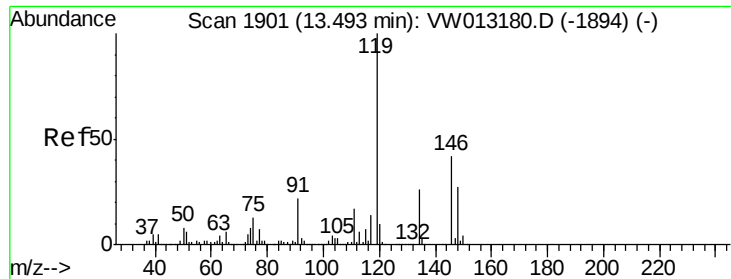
0

13.30

13.40

Time-->





#86

p-Isopropyltoluene

Concen: 11.667 ug/l m

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Instrument :

MSVOA_W

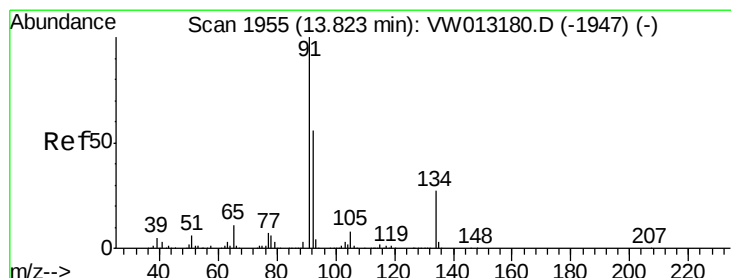
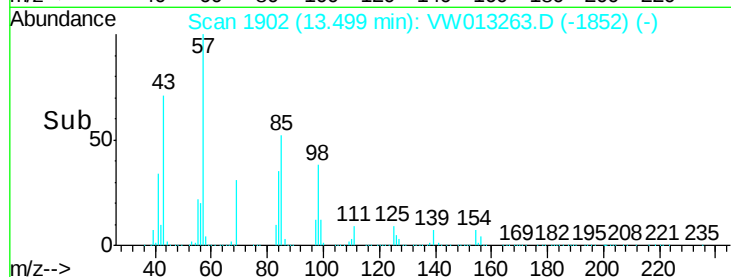
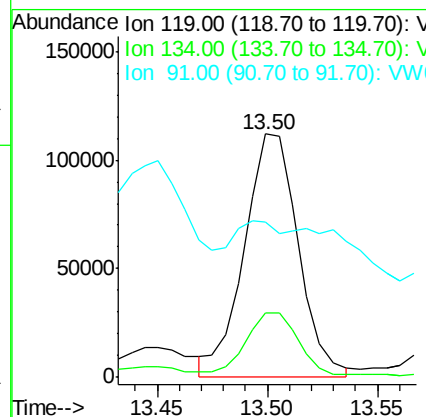
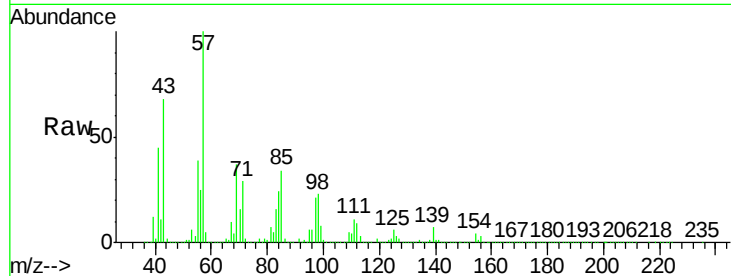
ClientSampled :

SB-3

Tot Ion:	119	Resp:	191043
Ion Ratio	Lower	Upper	
119	100		
134	149.3	13.3	39.8#
91	156.5	10.8	32.4#

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#89

n-Butylbenzene

Concen: 263.119 ug/l

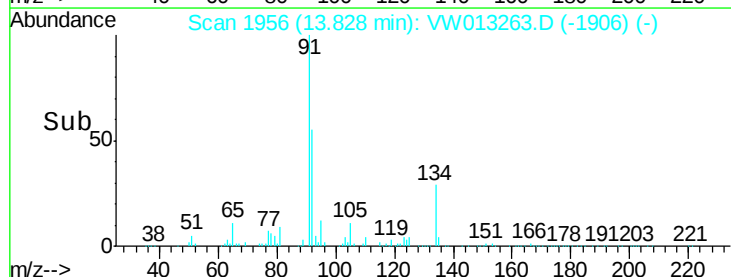
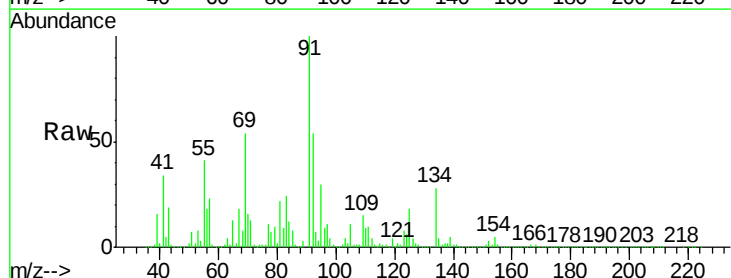
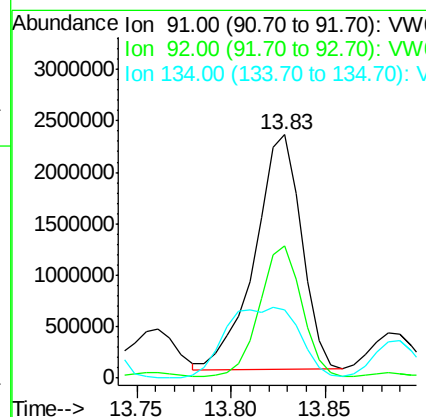
RT: 13.83 min Scan# 1956

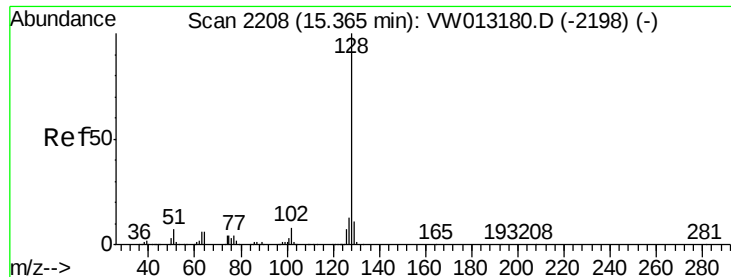
Delta R.T. 0.01 min

Lab File: VW013263.D

Acq: 24 Sep 2019 07:14

Tgt Ion:	91	Resp:	3934140
Ion Ratio	Lower	Upper	
91	100		
92	50.1	27.6	82.8
134	47.5	13.7	41.1#





#95
Naphthalene
Concen: 334.520 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013263.D
Acq: 24 Sep 2019 07:14

Instrument :
MSVOA_W
ClientSampleId :
SB-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	9.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:35:53 AM

