

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122118\
 Data File : VW007715.D
 Acq On : 19 Dec 2018 22:11
 Operator : SY/AP
 Sample : J6392-06
 Misc : 6.50G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(20-22)

Manual Integrations
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 12/20/2018 11:20:06 AM

Quant Time: Dec 20 07:42:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	111393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	92816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	39346	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	35351	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.88	113	31817	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.32	98	148992	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	
62) 4-Bromofluorobenzene	12.62	95	69227	69.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.90%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	3894	77.564	ug/l #	73
16) Acetone	4.12	43	21268	152.608	ug/l #	81
17) Carbon Disulfide	4.38	76	2191	1.057	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	49237	51.194	ug/l #	1
31) Cyclohexane	7.93	56	390133	352.148	ug/l #	44
39) Methylcyclohexane	9.34	83	889931	666.126	ug/l	89
40) Benzene	8.32	78	465422	162.224	ug/l	99
52) Toluene	10.39	92	69064	35.879	ug/l	98
67) Ethyl Benzene	11.74	91	11883579	3447.191	ug/l	100
68) m/p-Xylenes	11.85	106	3517679	2630.499	ug/l	97
69) o-Xylene	12.17	106	382679	305.285	ug/l	98
73) Isopropylbenzene	12.47	105	3119906	1049.019	ug/l	99
78) n-propylbenzene	12.81	91	7744027	2236.823	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	8182029	3189.388	ug/l	99
83) tert-Butylbenzene	13.22	119	17549m	7.796	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	20474127	7909.273	ug/l	81
85) sec-Butylbenzene	13.39	105	718040	231.462	ug/l #	50
86) p-Isopropyltoluene	13.51	119	310134m	109.943	ug/l	
89) n-Butylbenzene	13.83	91	1091296	421.939	ug/l #	72
95) Naphthalene	15.38	128	5507250	3541.647	ug/l	99

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

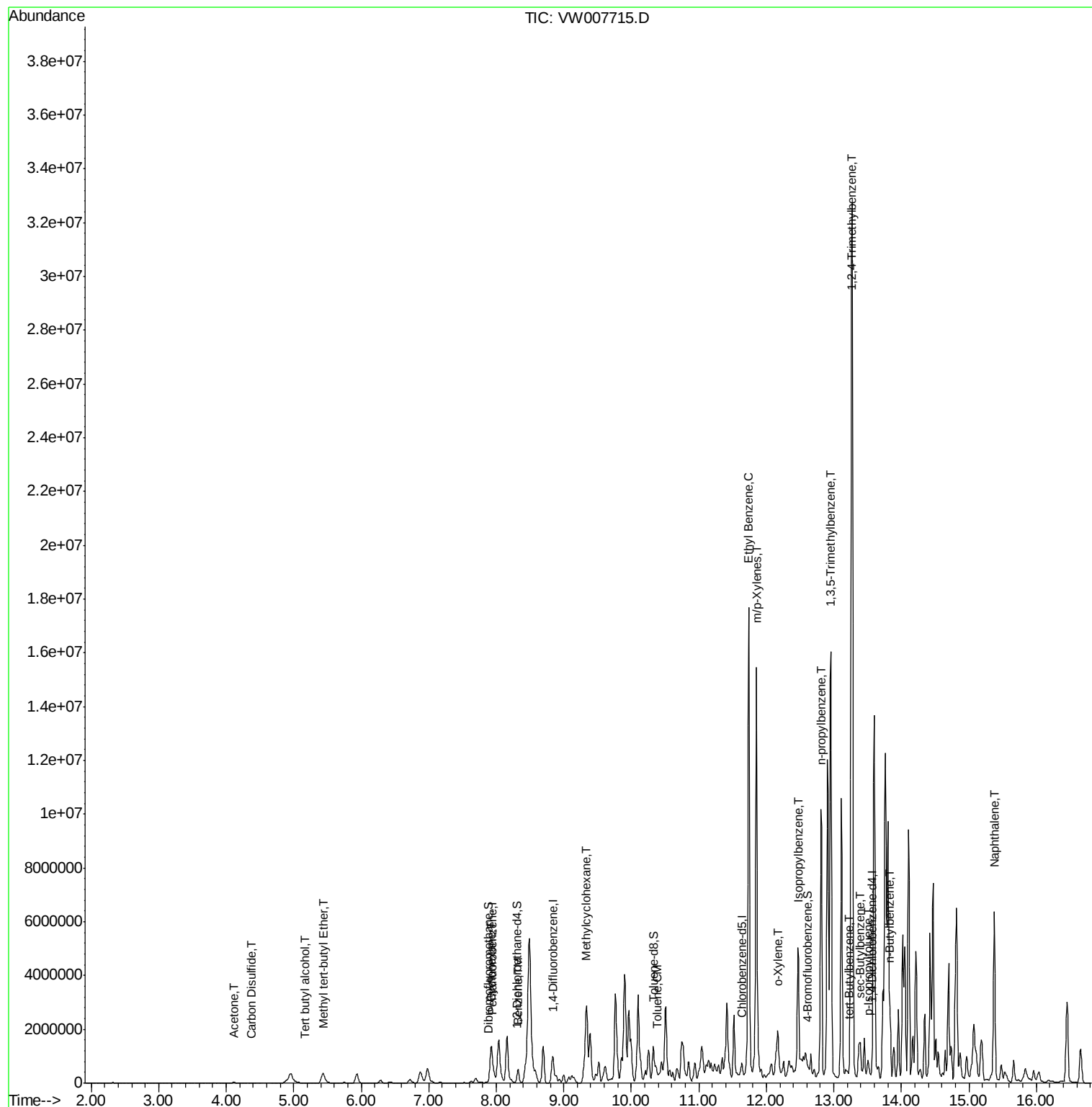
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122118\
Data File : VW007715.D
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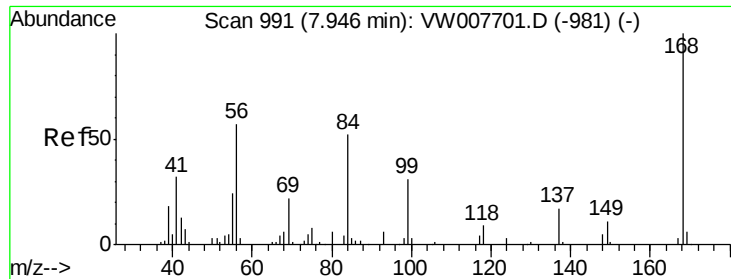
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

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Quant Time: Dec 20 07:42:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion:168 Resp: 67901

Ion Ratio Lower Upper

168 100

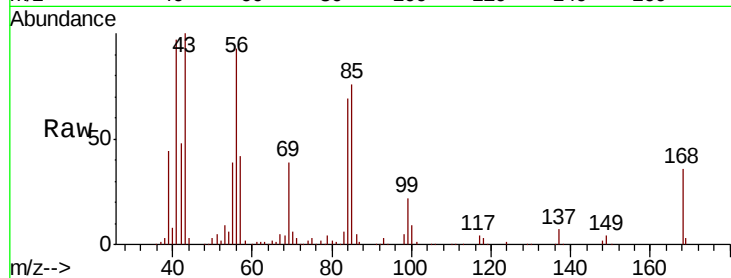
99 61.7 54.0 81.0

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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

30000

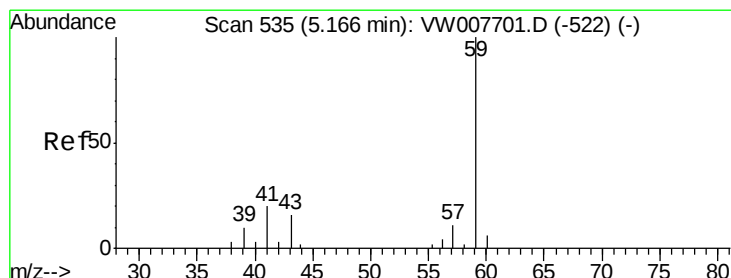
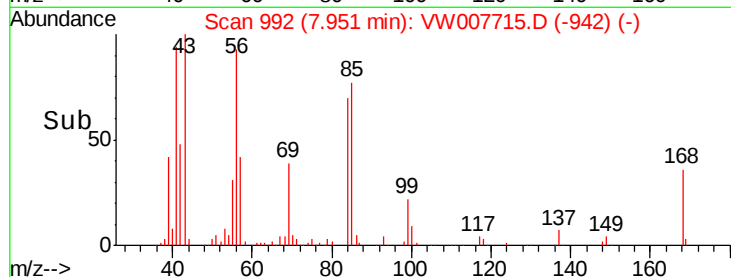
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 77.564 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007715.D

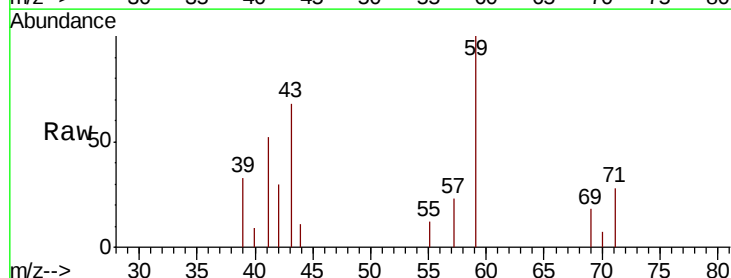
Acq: 19 Dec 2018 22:11

Tgt Ion: 59 Resp: 3894

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

2000

1500

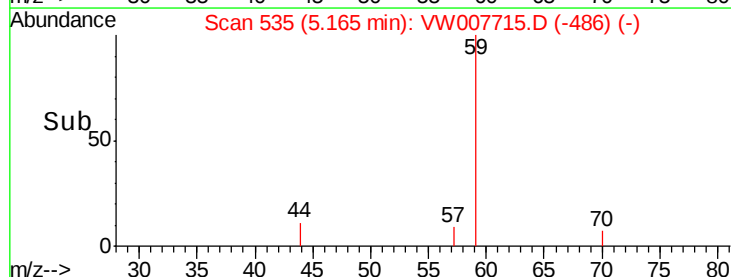
1000

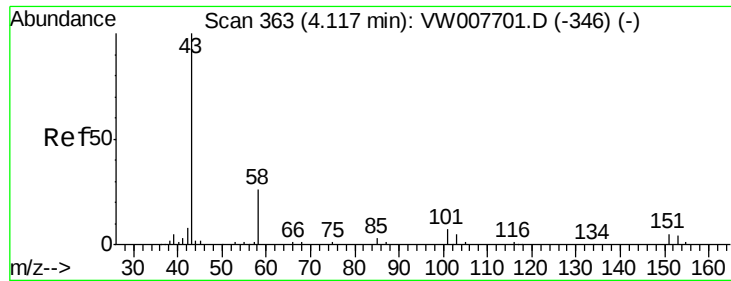
500

0

5.10 5.20 5.30

Time-->





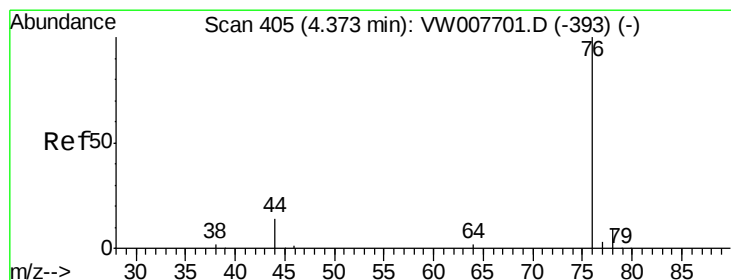
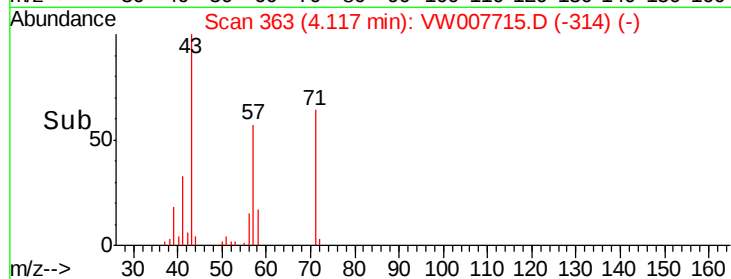
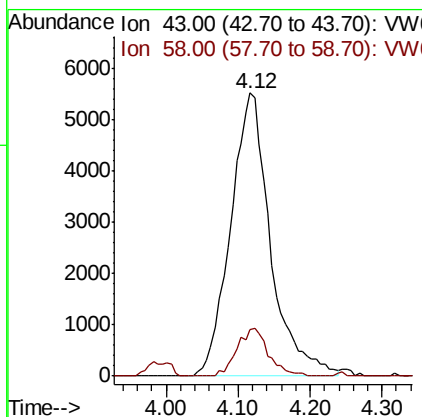
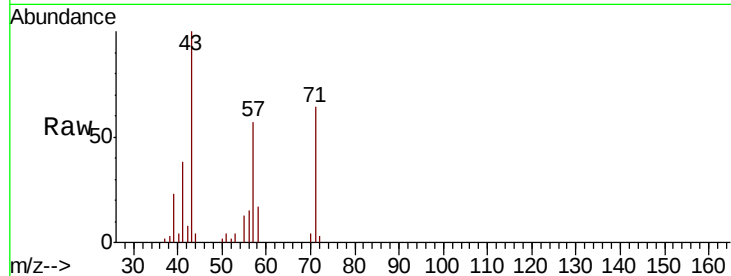
#16
Acetone
Concen: 152.608 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

Tot Ion: 43 Resp: 21268
Ion Ratio Lower Upper
43 100
58 16.6 21.2 31.8#

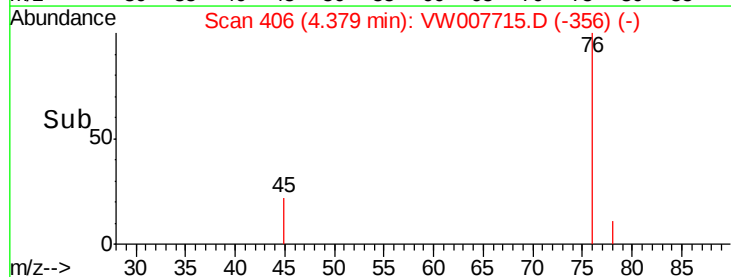
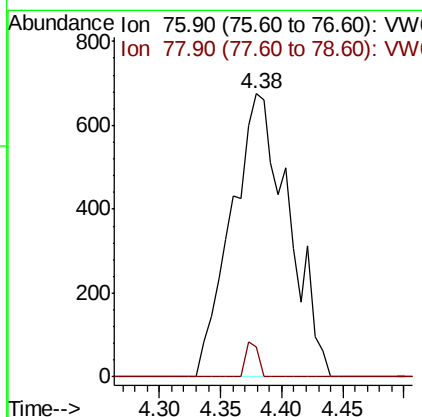
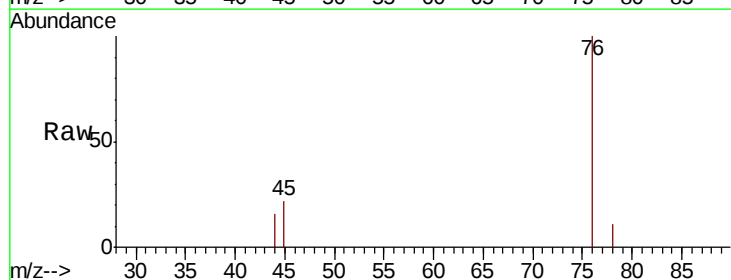
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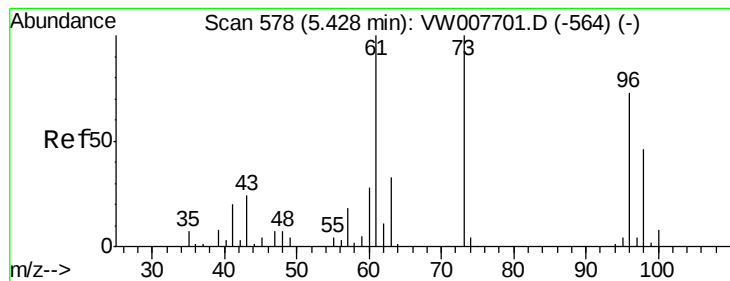
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#17
Carbon Disulfide
Concen: 1.057 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Tgt Ion: 76 Resp: 2191
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9





#19

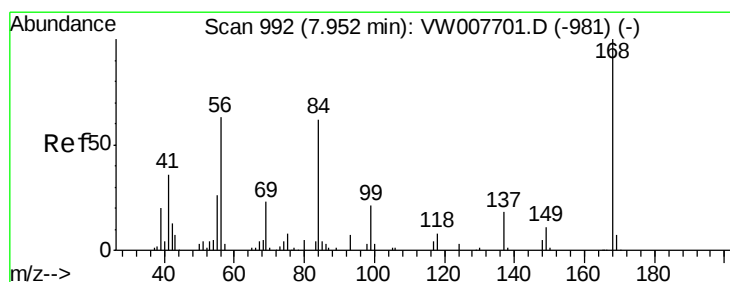
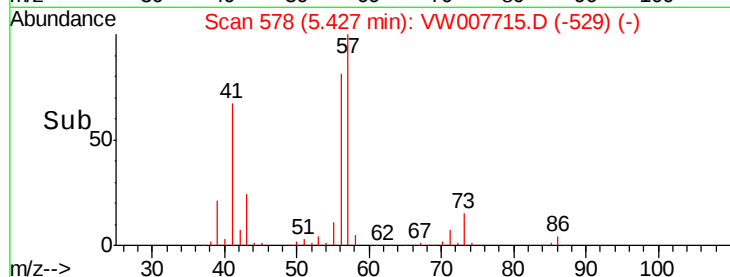
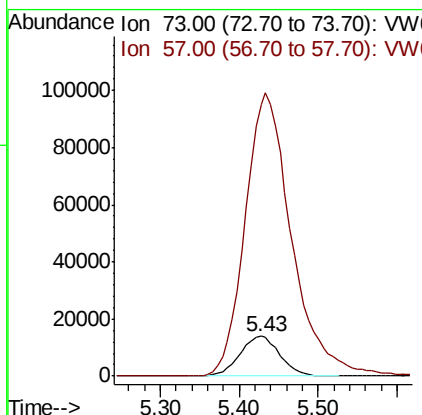
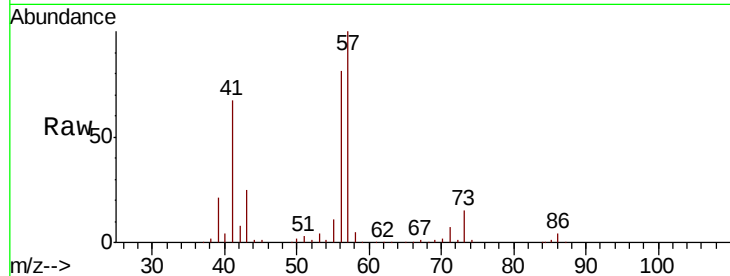
Methvl tert-butvl Ether
 Concen: 51.194 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(20-22)

Tot Ion	Ratio	Lower	Upper
73	100		
57	681.5	14.7	22.1#

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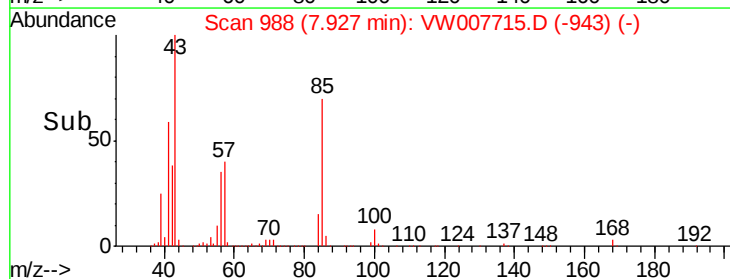
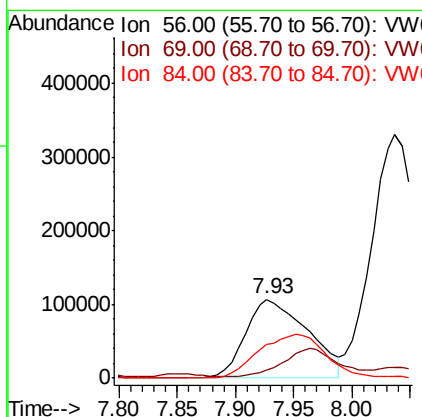
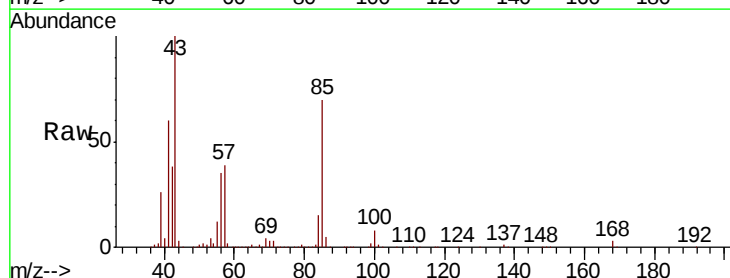
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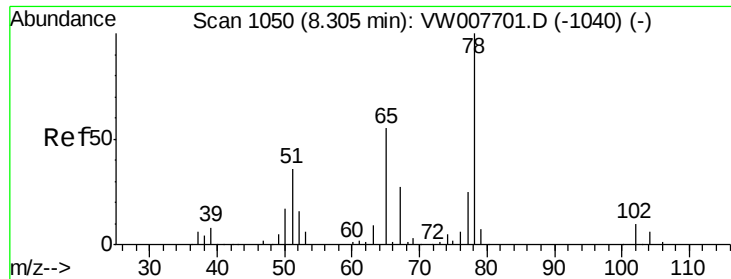


#31

Cyclohexane
 Concen: 352.148 ug/l
 RT: 7.93 min Scan# 988
 Delta R.T. -0.02 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	5.4	29.7	44.5#
84	42.5	78.9	118.3#





#33

1,2-Dichloroethane-d4

Concen: 47.500 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion: 65 Resp: 35351

Ion Ratio Lower Upper

65 100

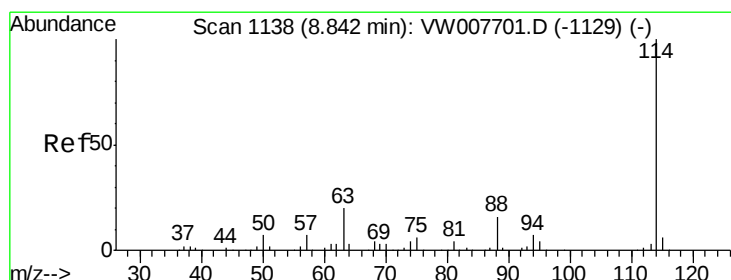
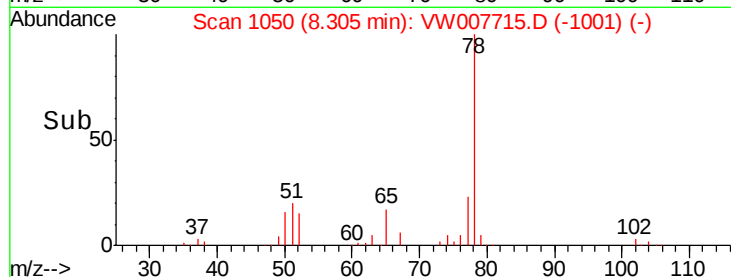
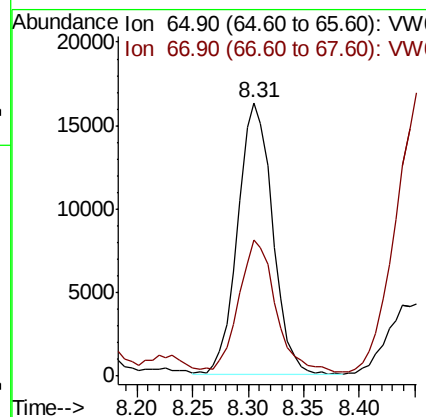
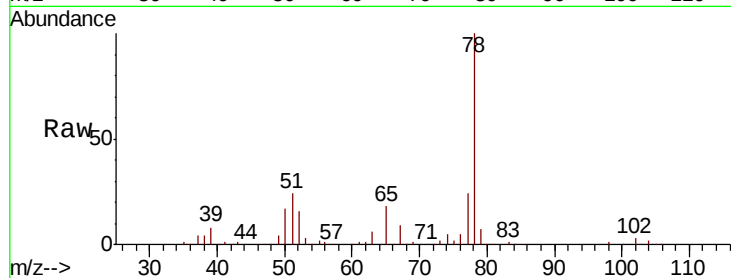
67 51.4 0.0 100.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

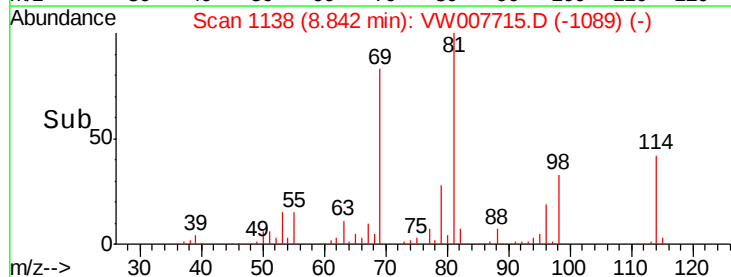
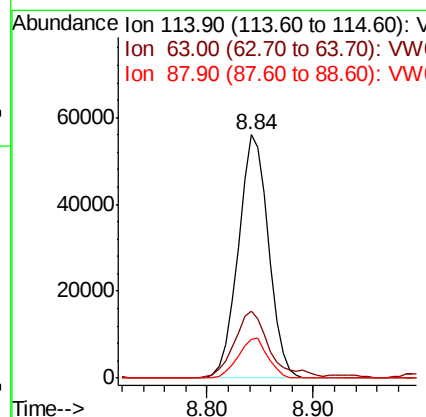
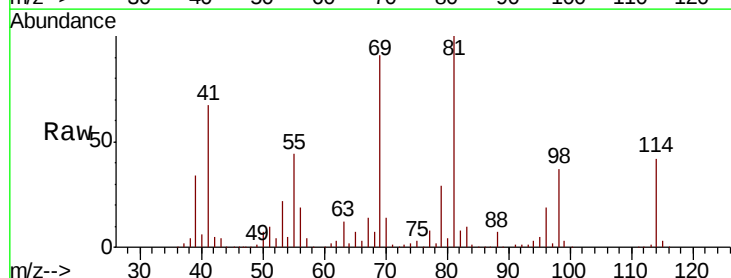
Tgt Ion: 114 Resp: 111393

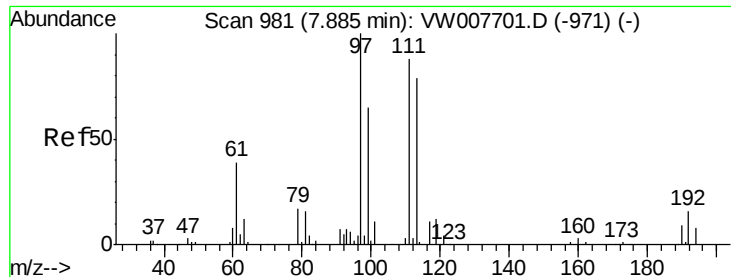
Ion Ratio Lower Upper

114 100

63 27.7 0.0 40.0

88 15.8 0.0 32.6





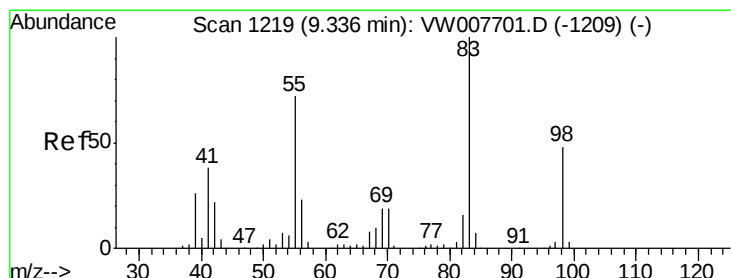
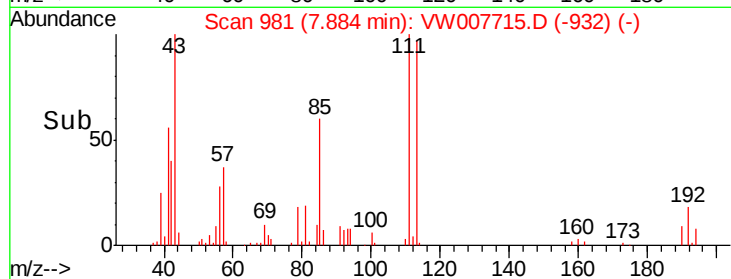
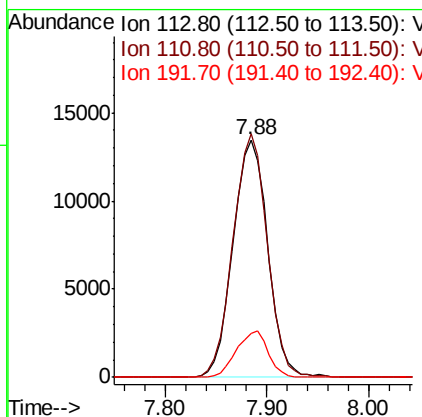
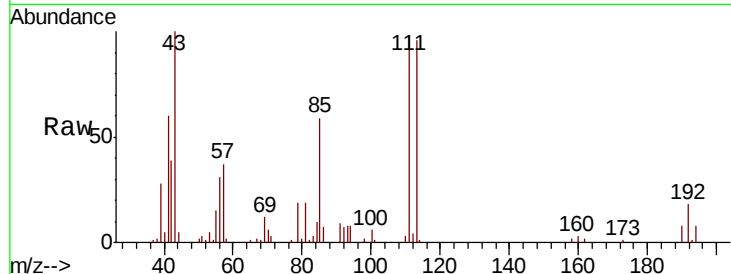
#35
Dibromofluoromethane
Concen: 46.820 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	17.9	15.5	23.3

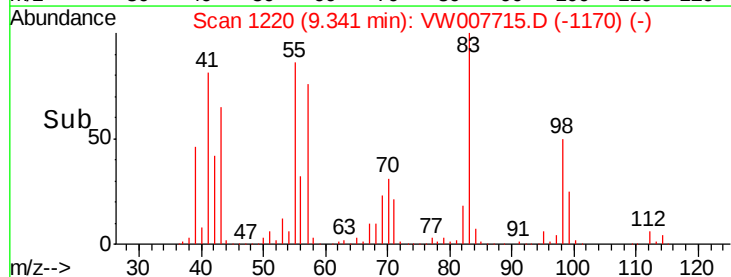
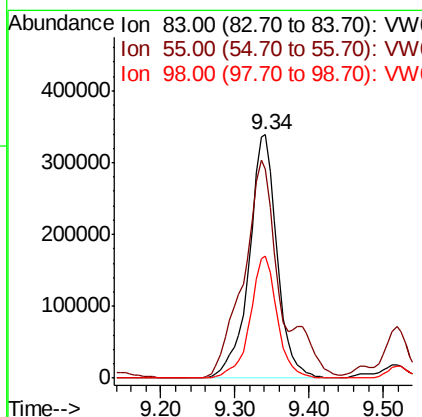
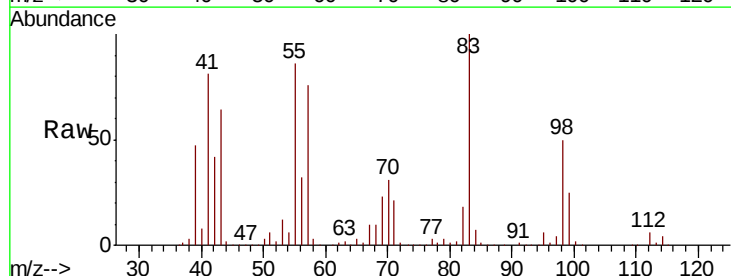
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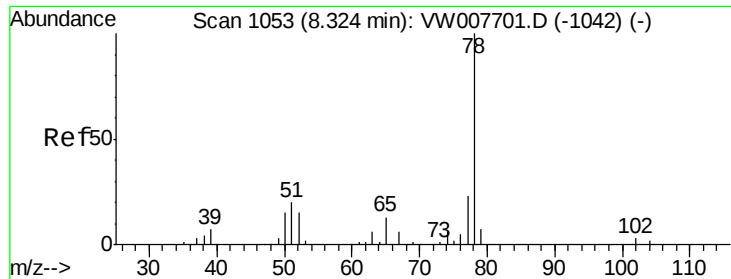
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#39
Methylcyclohexane
Concen: 666.126 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.8	57.2	85.8
98	50.0	38.6	58.0





#40

Benzene

Concen: 162.224 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion: 78 Resp: 465422

Ion Ratio Lower Upper

78 100

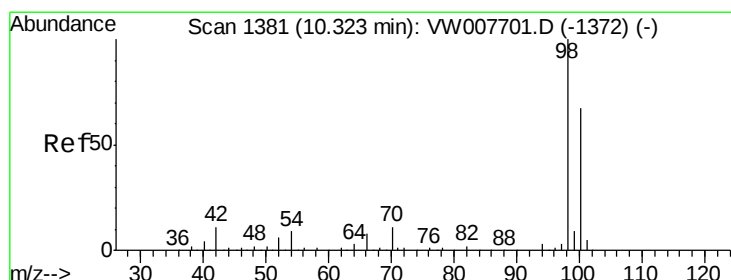
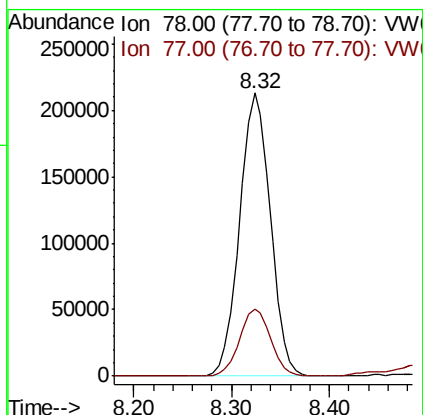
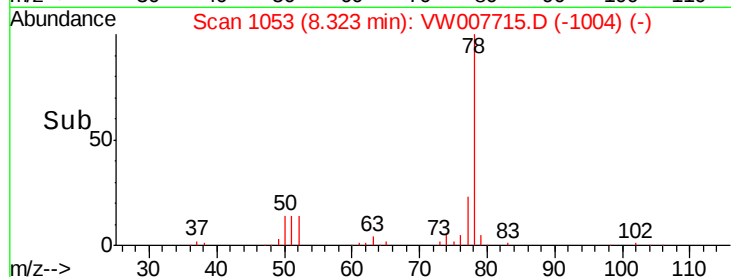
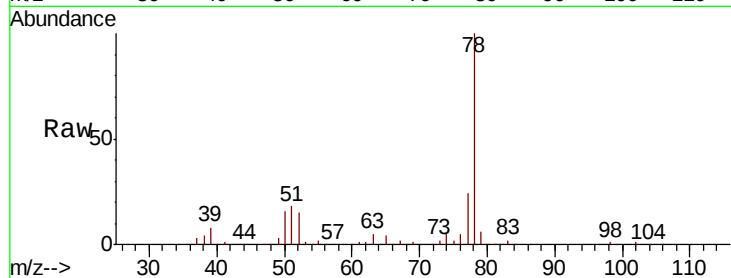
77 23.7 18.7 28.1

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#50

Toluene-d8

Concen: 58.159 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007715.D

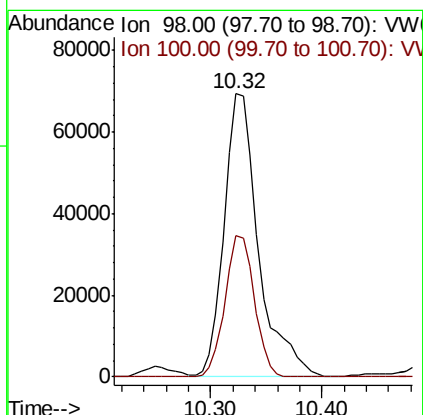
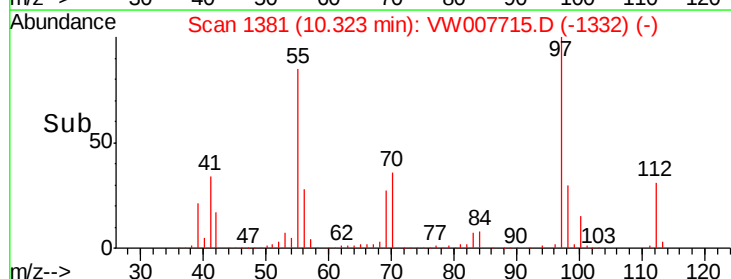
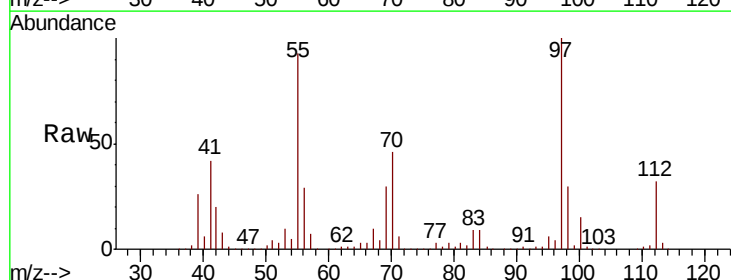
Acq: 19 Dec 2018 22:11

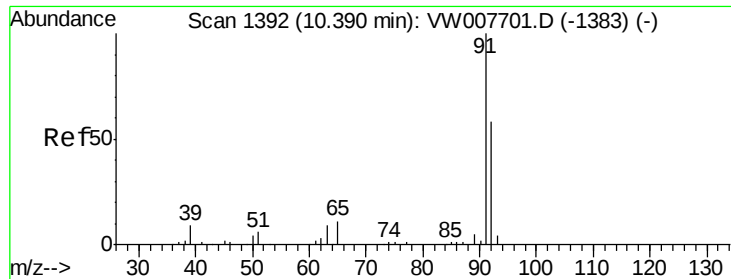
Tgt Ion: 98 Resp: 148992

Ion Ratio Lower Upper

98 100

100 42.5 52.2 78.2#





#52

Toluene

Concen: 35.879 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion: 92 Resp: 69064

Ion Ratio Lower Upper

92 100

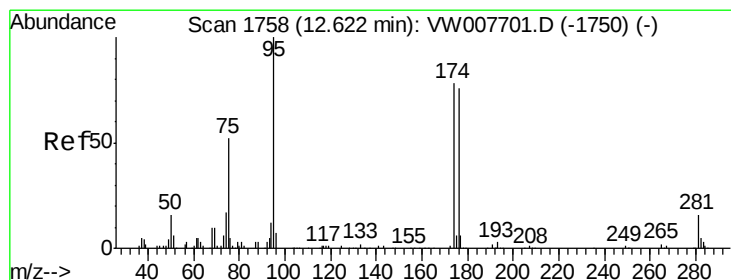
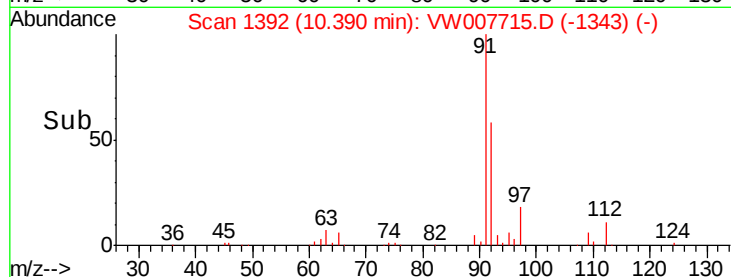
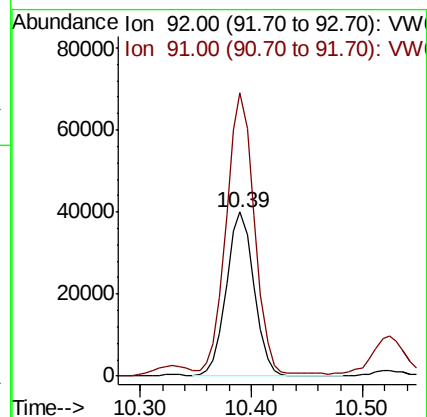
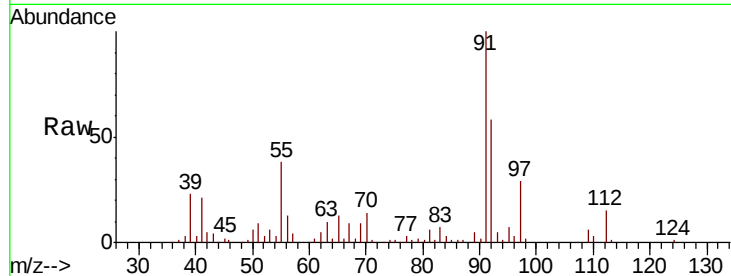
91 174.5 137.0 205.4

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#62

4-Bromofluorobenzene

Concen: 69.948 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

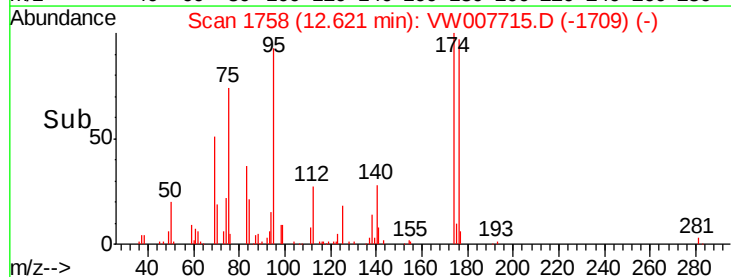
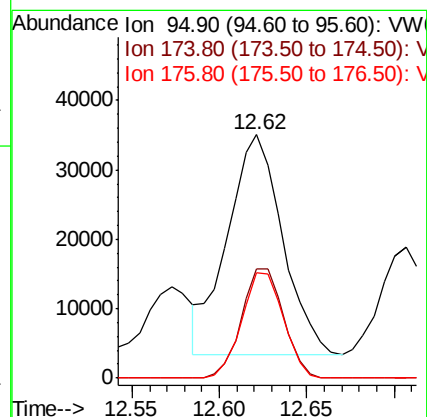
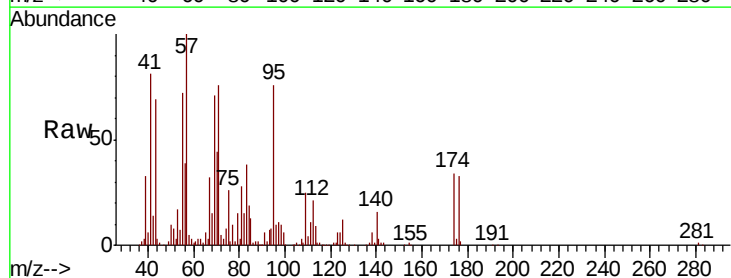
Tgt Ion: 95 Resp: 69227

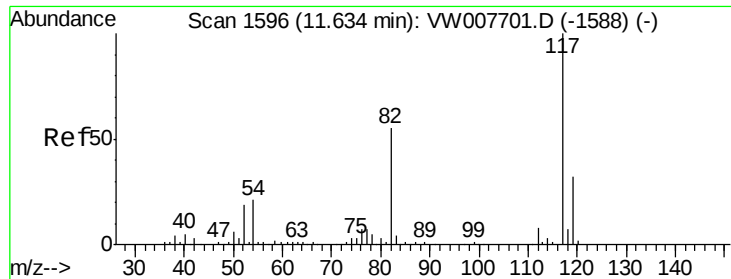
Ion Ratio Lower Upper

95 100

174 38.2 0.0 152.2

176 36.5 0.0 146.8





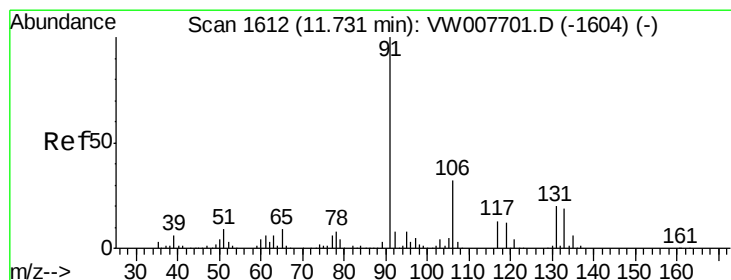
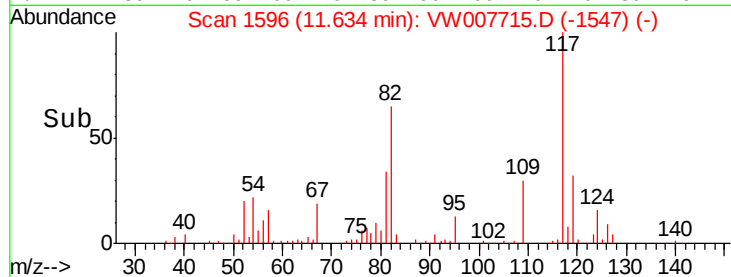
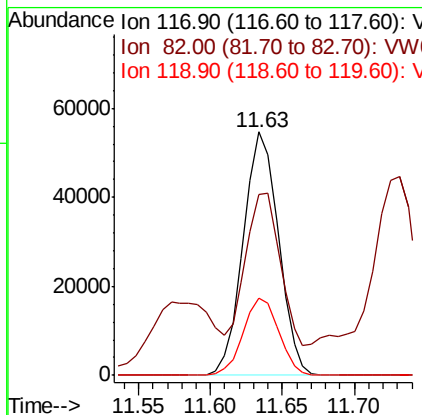
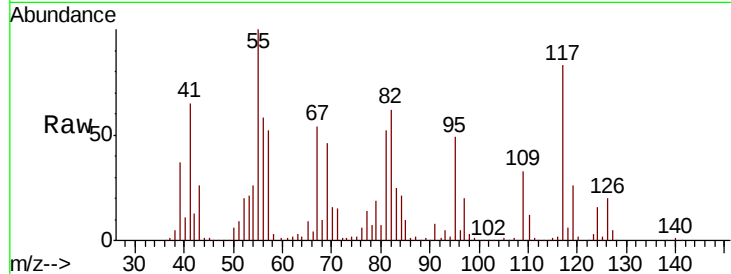
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	44.3	66.5
119	31.8	25.7	38.5

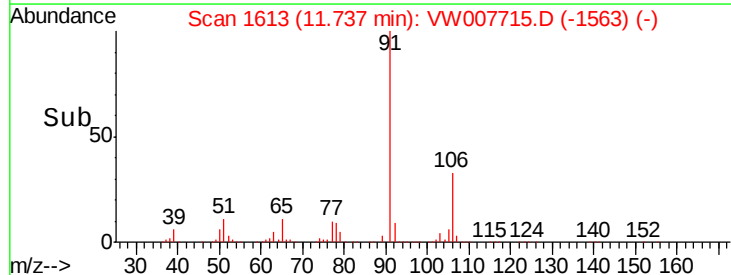
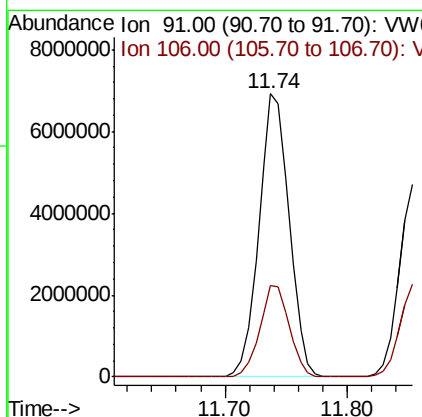
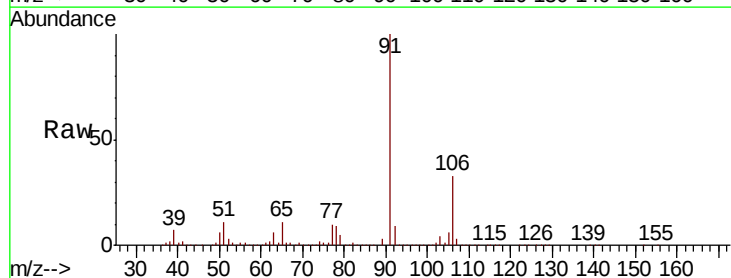
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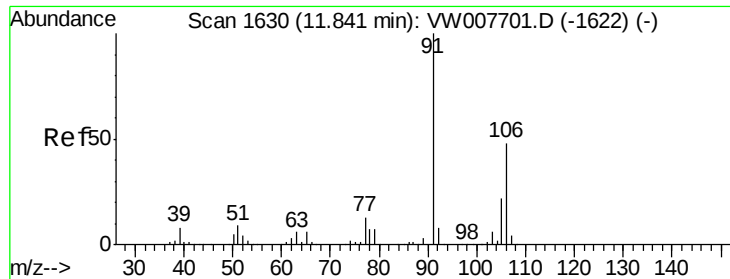
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#67
Ethyl Benzene
Concen: 3447.191 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.8	38.8





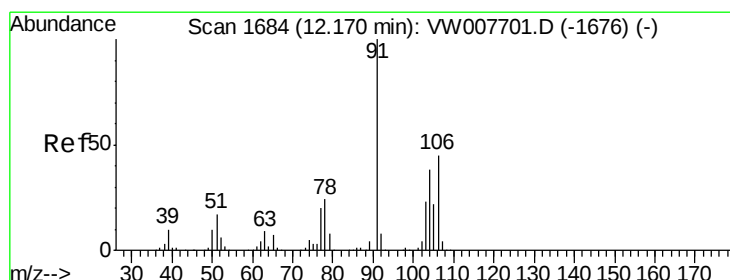
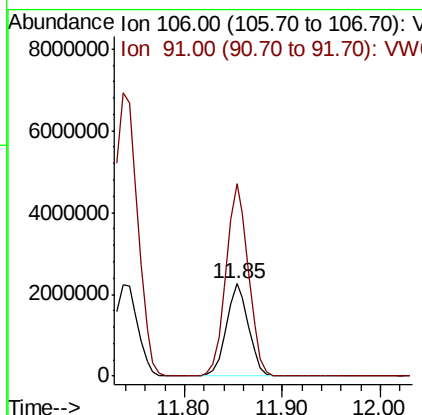
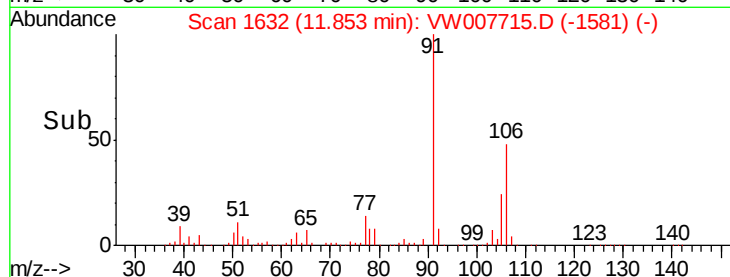
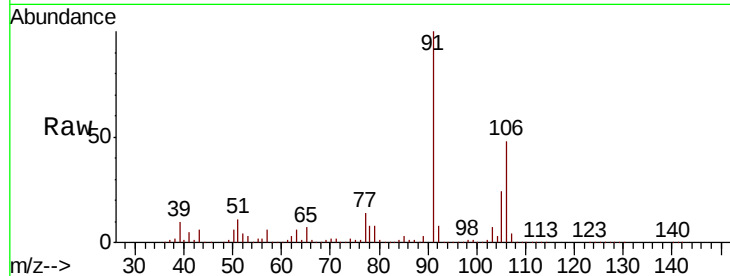
#68
m/p-Xylenes
Concen: 2630.499 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

Tot Ion:106 Resp: 3517679
Ion Ratio Lower Upper
106 100
91 211.1 165.2 247.8

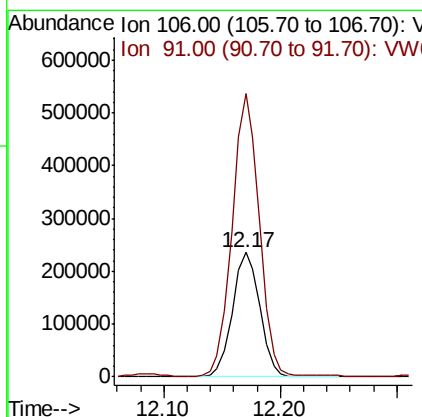
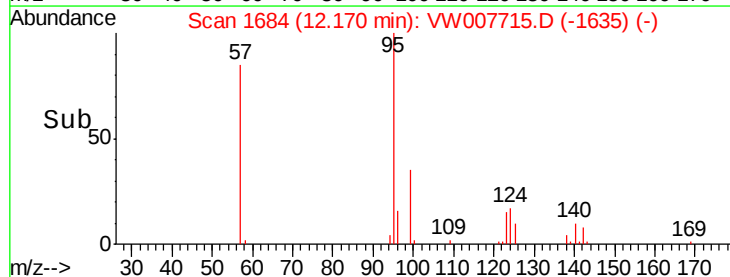
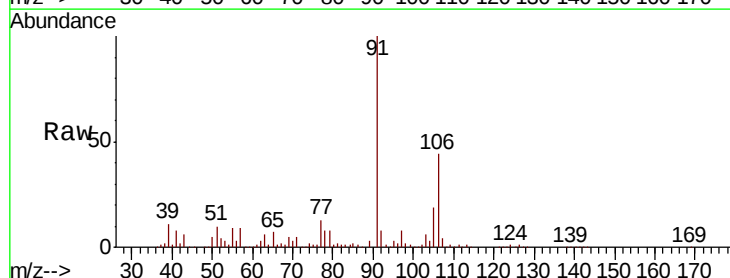
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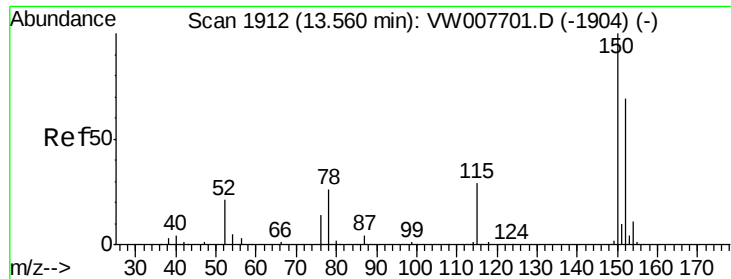
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#69
o-Xylene
Concen: 305.285 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Tgt Ion:106 Resp: 382679
Ion Ratio Lower Upper
106 100
91 224.7 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion:152 Resp: 39346

Ion Ratio Lower Upper

152 100

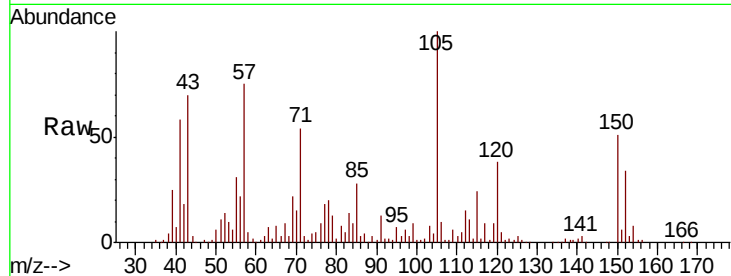
115 0.0 31.8 95.4#

150 144.6 0.0 350.8

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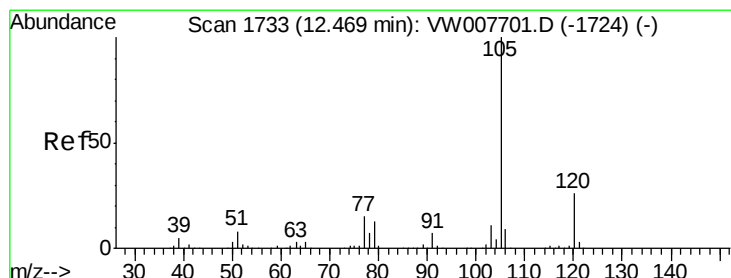
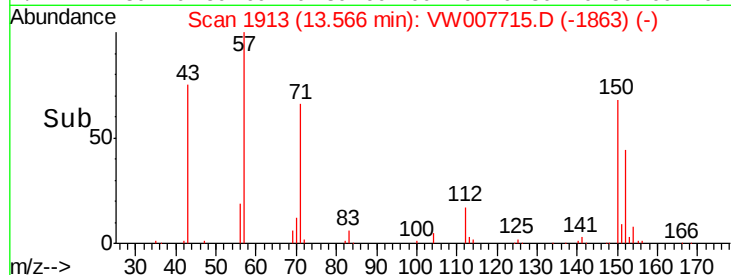
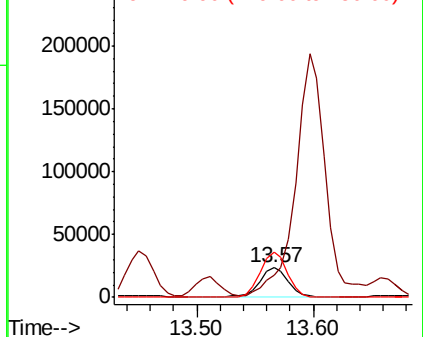


Abundance

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: 1049.019 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007715.D

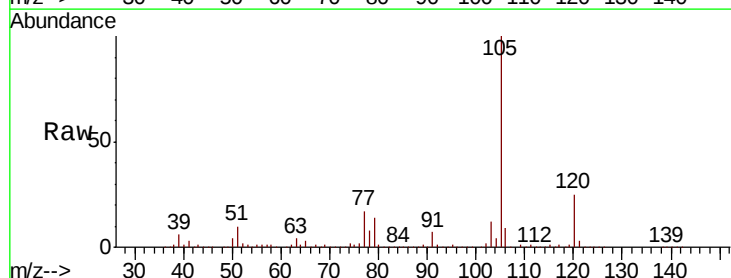
Acq: 19 Dec 2018 22:11

Tgt Ion:105 Resp: 3119906

Ion Ratio Lower Upper

105 100

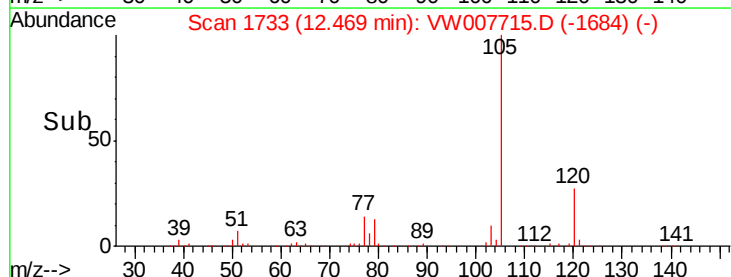
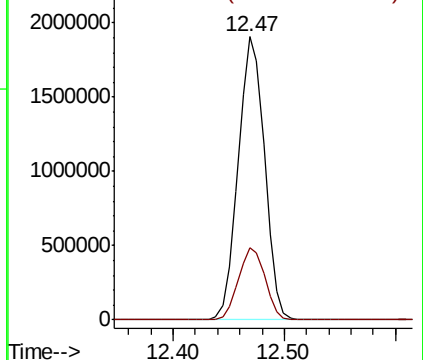
120 25.7 13.1 39.3

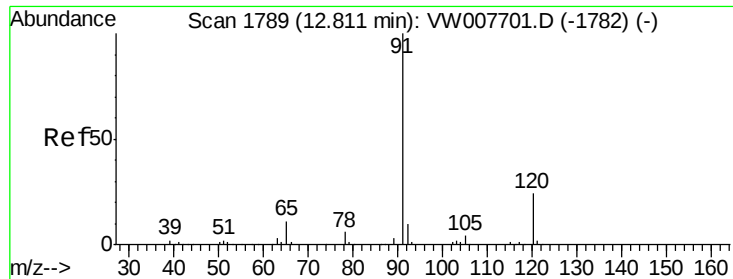


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2236.823 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007715.D

Acq: 19 Dec 2018 22:11

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(20-22)

Tot Ion: 91 Resp: 7744027

Ion Ratio Lower Upper

91 100

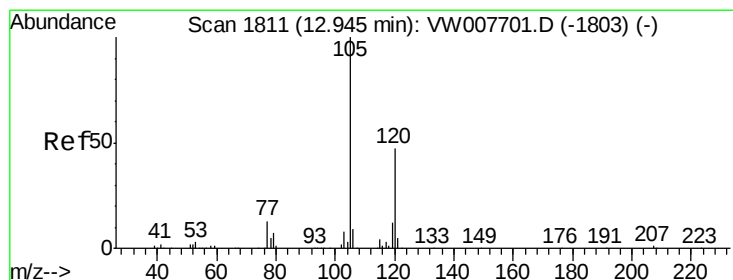
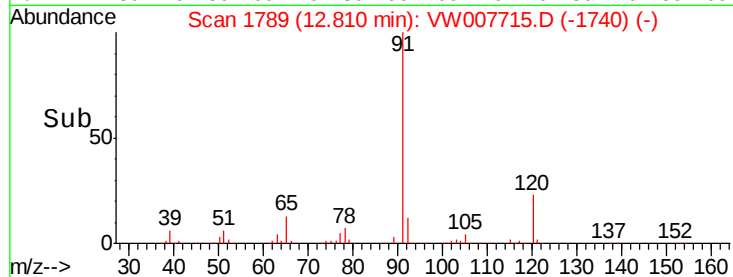
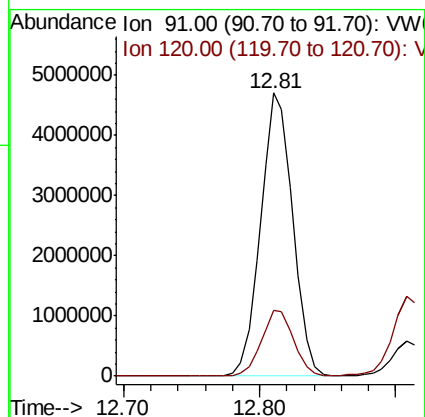
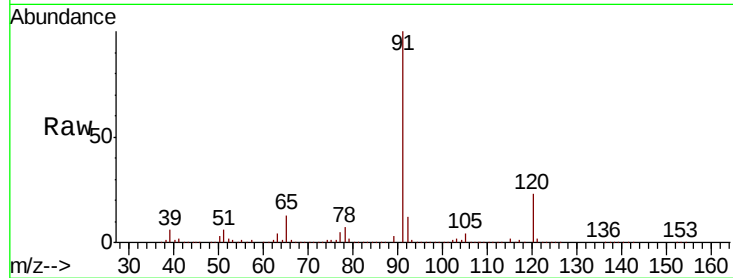
120 23.5 11.9 35.7

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#80

1,3,5-Trimethylbenzene

Concen: 3189.388 ug/l

RT: 12.96 min Scan# 1813

Delta R.T. 0.01 min

Lab File: VW007715.D

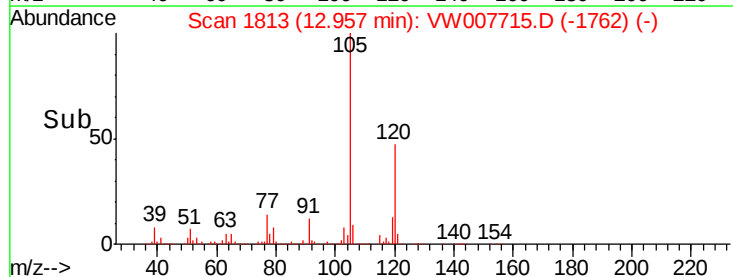
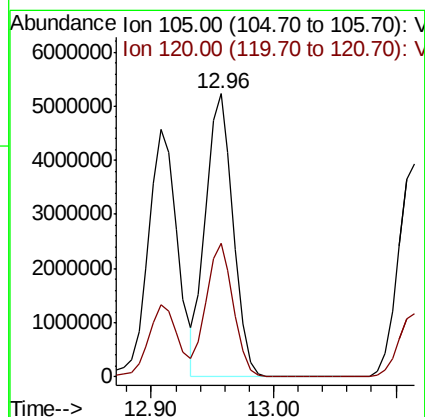
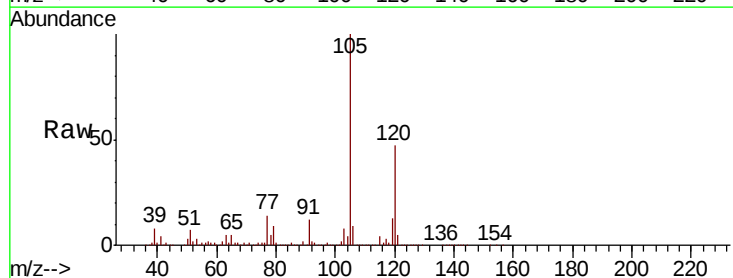
Acq: 19 Dec 2018 22:11

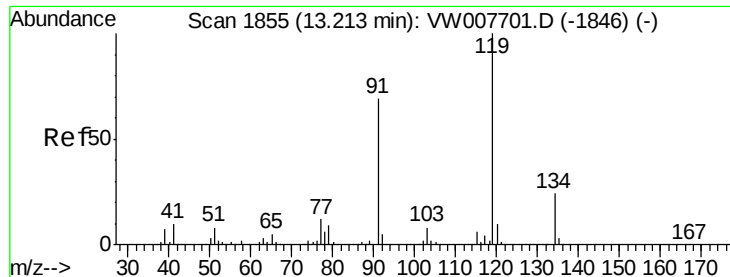
Tgt Ion:105 Resp: 8182029

Ion Ratio Lower Upper

105 100

120 46.5 23.6 70.8





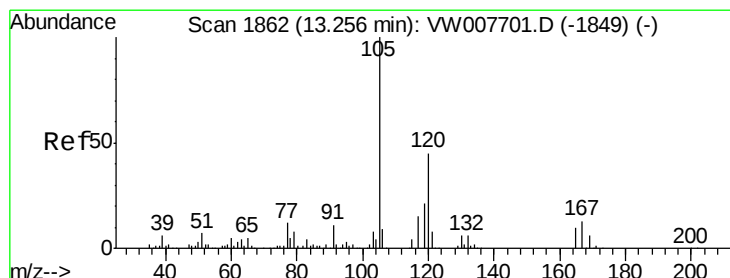
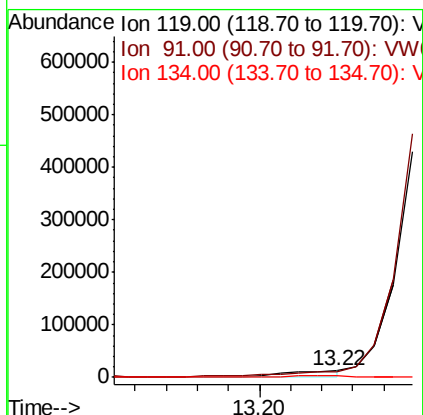
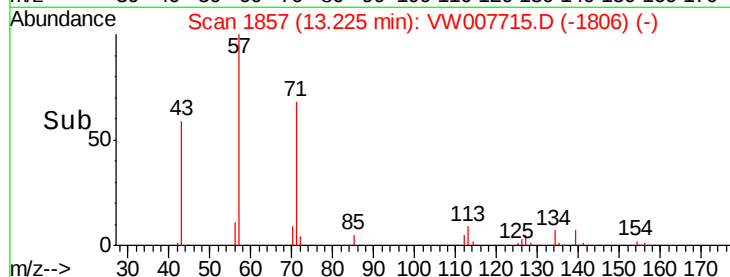
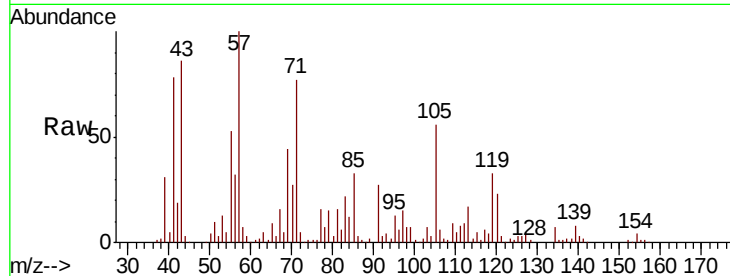
#83
 tert-Butylbenzene
 Concen: 7.796 ug/l m
 RT: 13.22 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(20-22)

Tot Ion:119 Resp: 17549
 Ion Ratio Lower Upper
 119 100
 91 16576.5 34.2 102.
 134 0.0 12.8 38.4#

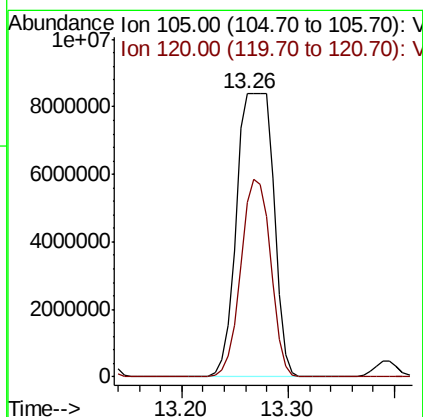
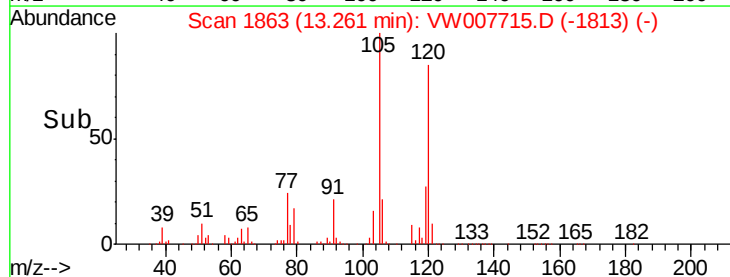
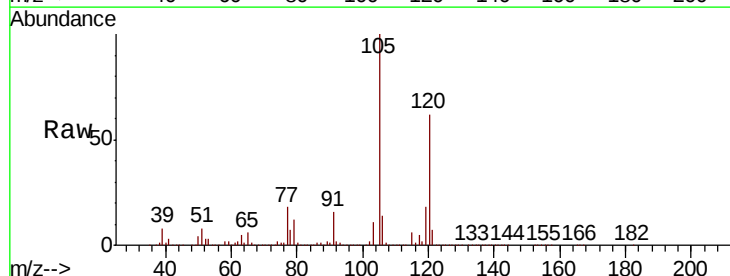
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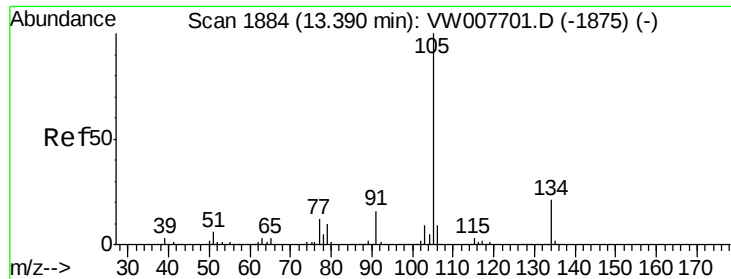
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#84
 1,2,4-Trimethylbenzene
 Concen: 7909.273 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Tgt Ion:105 Resp:20474127
 Ion Ratio Lower Upper
 105 100
 120 56.3 22.0 66.0





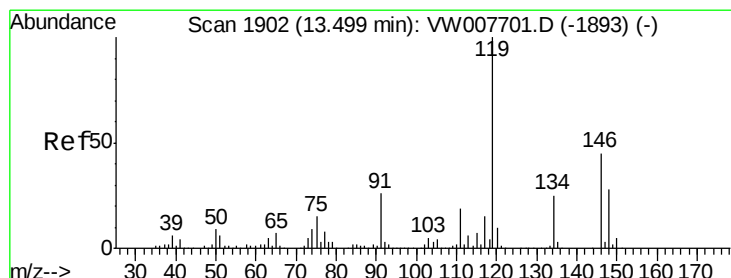
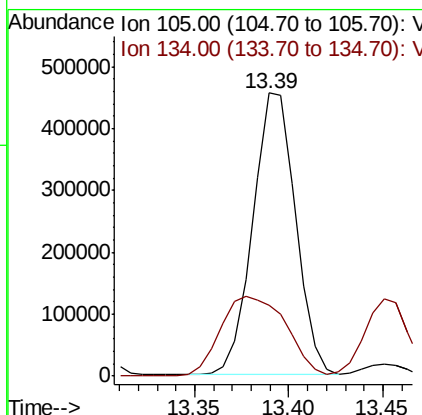
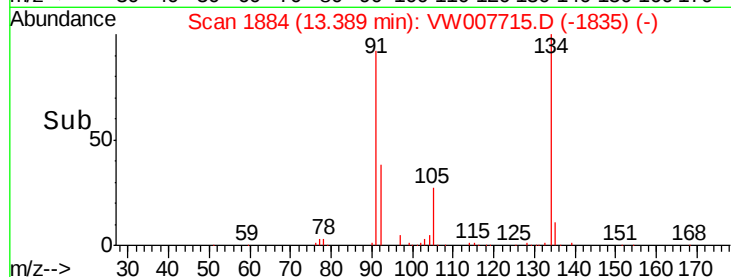
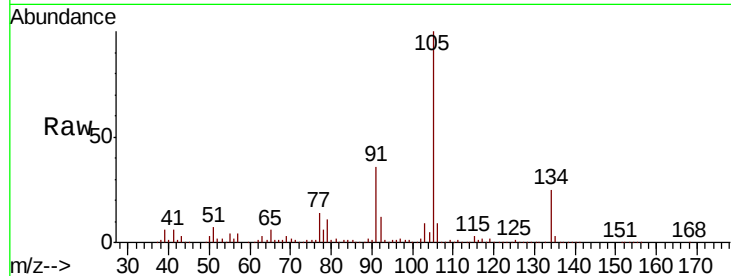
#85
 sec-Butylbenzene
 Concen: 231.462 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(20-22)

Tot Ion:105 Resp: 718040
 Ion Ratio Lower Upper
 105 100
 134 43.4 10.2 30.4#

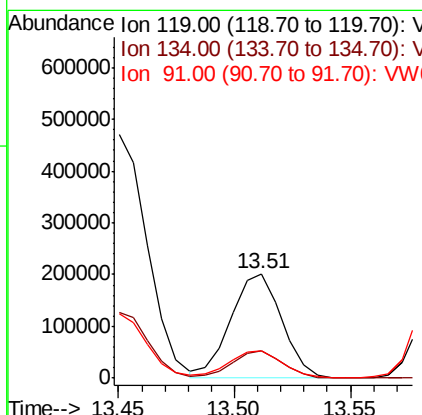
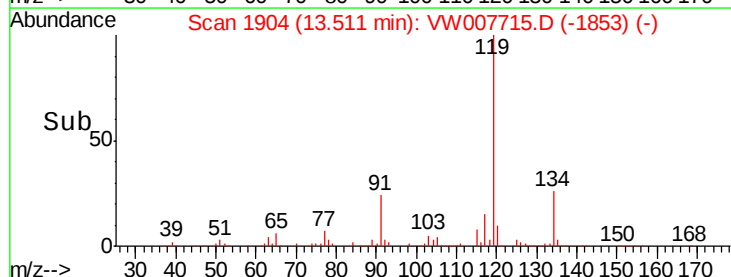
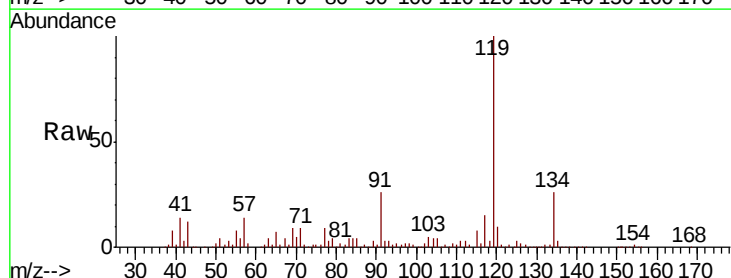
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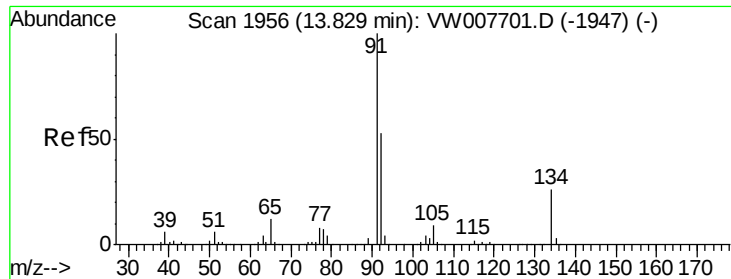
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#86
 p-Isopropyltoluene
 Concen: 109.943 ug/l m
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW007715.D
 Acq: 19 Dec 2018 22:11

Tgt Ion:119 Resp: 310134
 Ion Ratio Lower Upper
 119 100
 134 65.1 13.0 39.0#
 91 58.5 12.8 38.4#





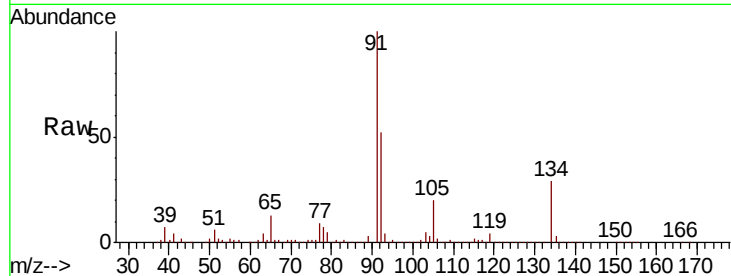
#89
n-Butylbenzene
Concen: 421.939 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(20-22)

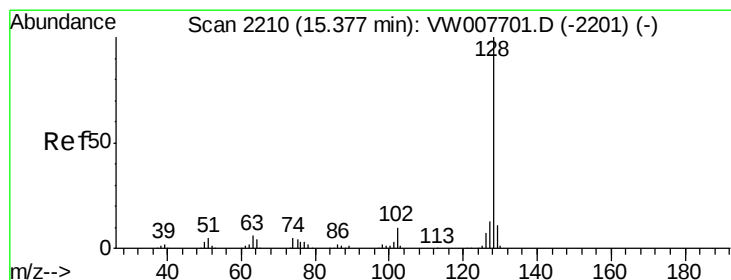
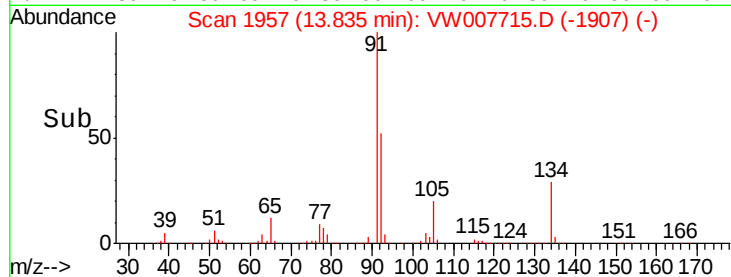
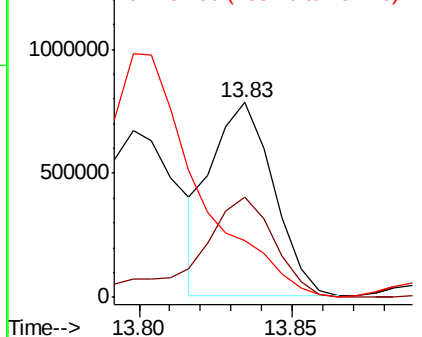
Tot Ion: 91 Resp: 1091296
Ion Ratio Lower Upper
91 100
92 64.1 26.4 79.2
134 0.0 13.7 41.0#

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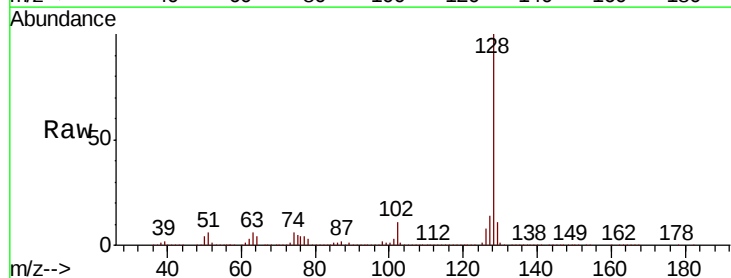


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#95
Naphthalene
Concen: 3541.647 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007715.D
Acq: 19 Dec 2018 22:11

Tgt Ion: 128 Resp: 5507250
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 11.2 8.8 13.2



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

