

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122118\
 Data File : VW007718.D
 Acq On : 19 Dec 2018 23:29
 Operator : SY/AP
 Sample : J6392-09
 Misc : 3.40G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(27-29)

Manual Integrations
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 12/20/2018 11:20:15 AM

Quant Time: Dec 20 07:50:05 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	97754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	149142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71535	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	45653	42.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.22%	
35) Dibromofluoromethane	7.88	113	42373	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
50) Toluene-d8	10.32	98	160367	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	
62) 4-Bromofluorobenzene	12.62	95	66164	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
Target Compounds						
					Qvalue	
16) Acetone	4.12	43	11244	56.042	ug/l	99
40) Benzene	8.32	78	24857	5.881	ug/l	99
67) Ethyl Benzene	11.73	91	21870	3.948	ug/l	97
68) m/p-Xylenes	11.85	106	2270	1.056	ug/l	88
73) Isopropylbenzene	12.47	105	455545	84.247	ug/l	99
78) n-propylbenzene	12.81	91	1124814	178.701	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	11584m	2.484	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	42072	8.939	ug/l	99
85) sec-Butylbenzene	13.39	105	94103	16.685	ug/l #	51
89) n-Butylbenzene	13.83	91	67842	14.427	ug/l #	68
95) Naphthalene	15.38	128	26954	9.534	ug/l #	95

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

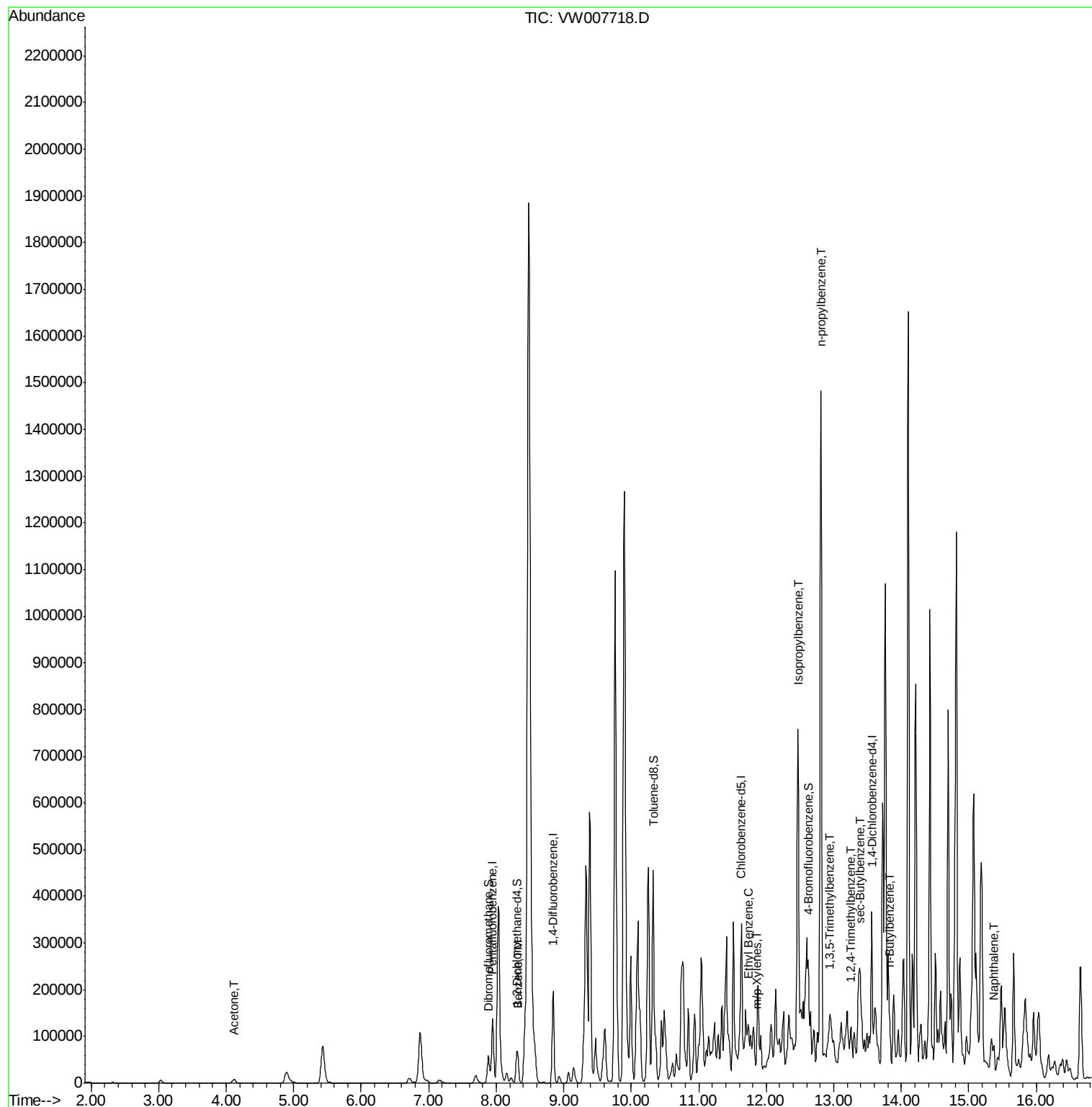
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122118\
Data File : VW007718.D
Acq On : 19 Dec 2018 23:29
Operator : SY/AP
Sample : J6392-09
Misc : 3.40G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

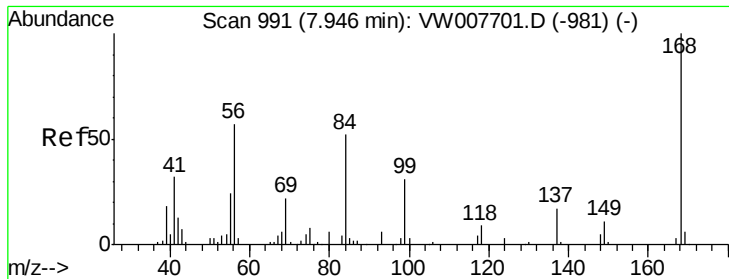
Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(27-29)

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Quant Time: Dec 20 07:50:05 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# 991

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(27-29)

Tot Ion:168 Resp: 97754

Ion Ratio Lower Upper

168 100

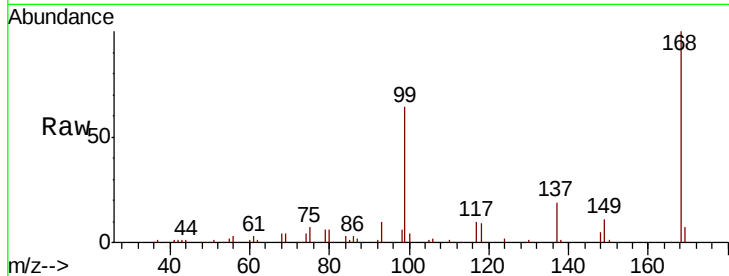
99 63.8 54.0 81.0

Manual Integrations

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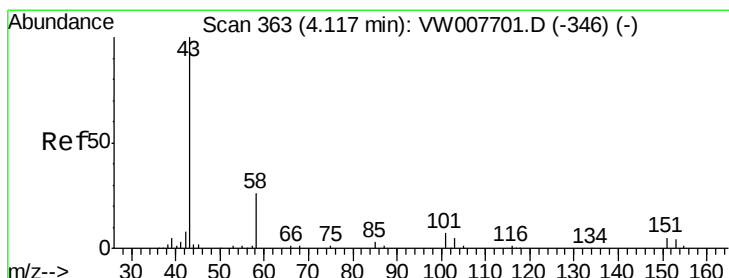
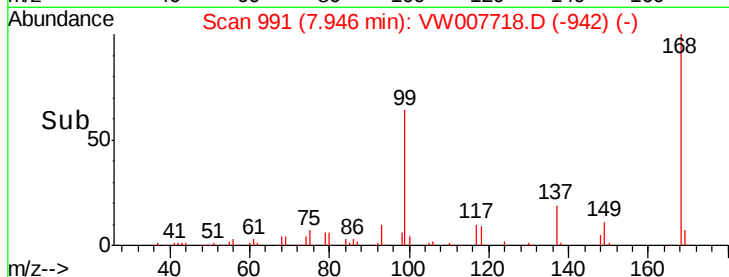
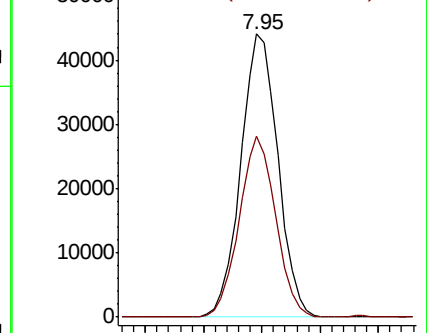
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 56.042 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007718.D

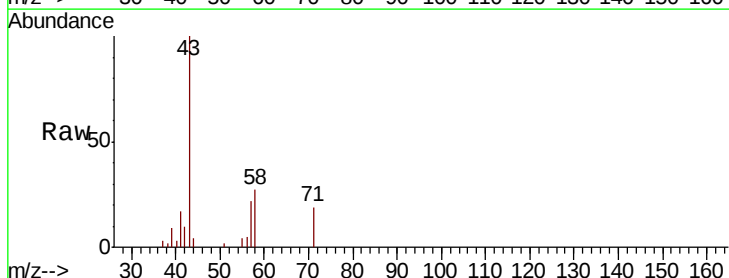
Acq: 19 Dec 2018 23:29

Tgt Ion: 43 Resp: 11244

Ion Ratio Lower Upper

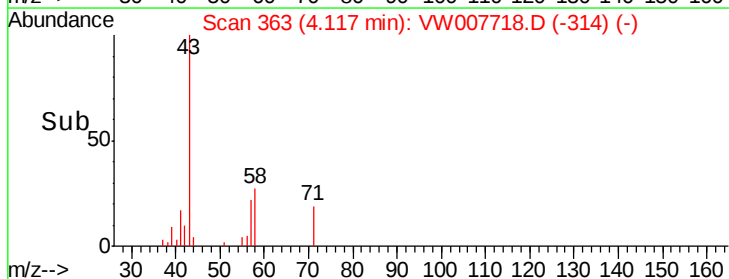
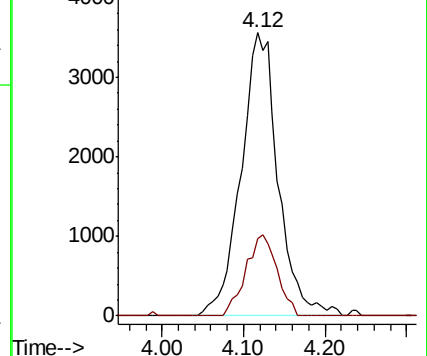
43 100

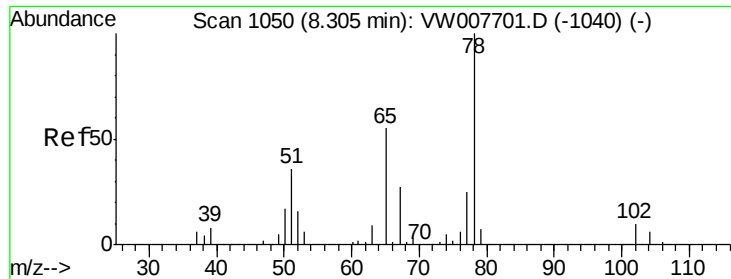
58 27.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





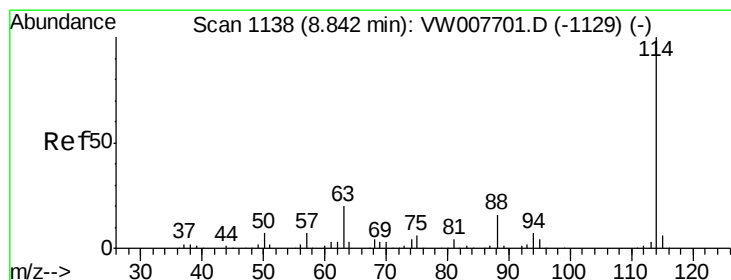
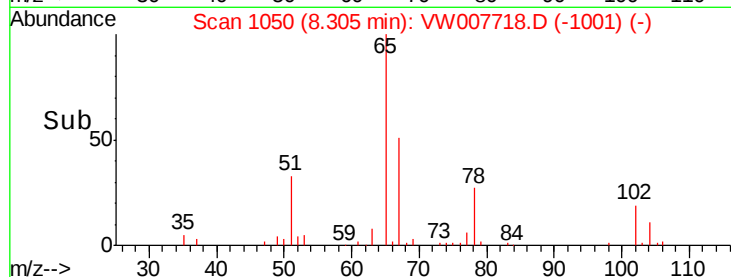
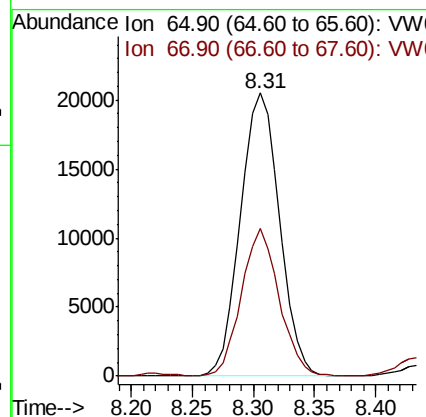
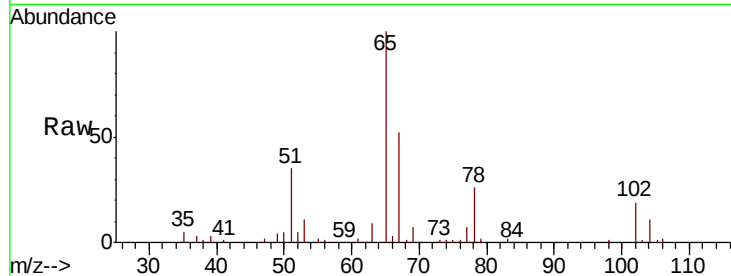
#33
 1,2-Dichloroethane-d4
 Concen: 42.610 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(27-29)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	45653		
67	50.2	0.0	100.6	

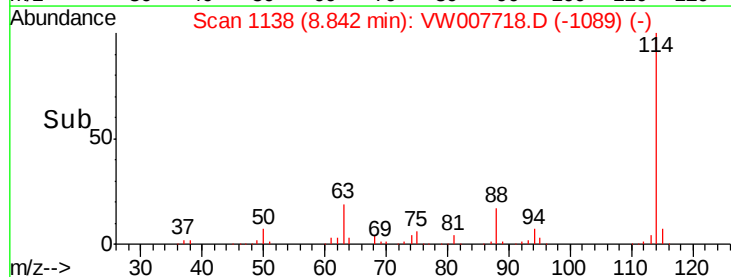
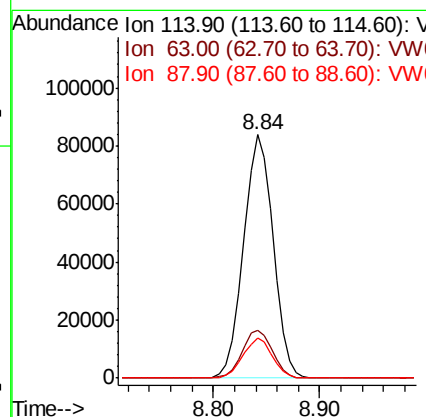
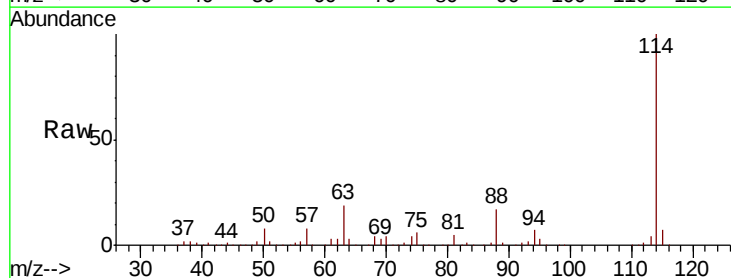
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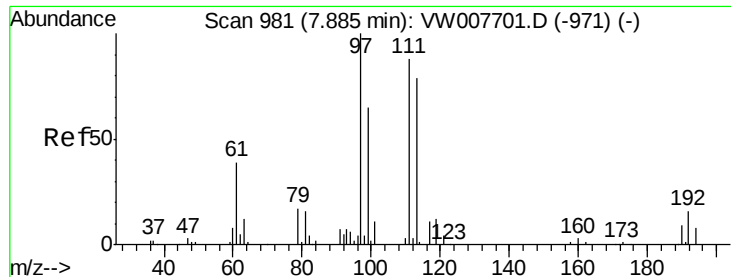
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	164097		
63	19.4	0.0	40.0	
88	16.5	0.0	32.6	





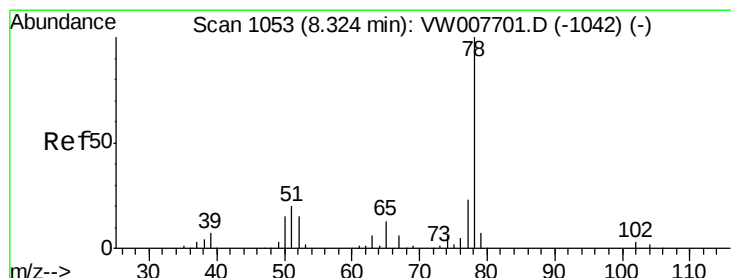
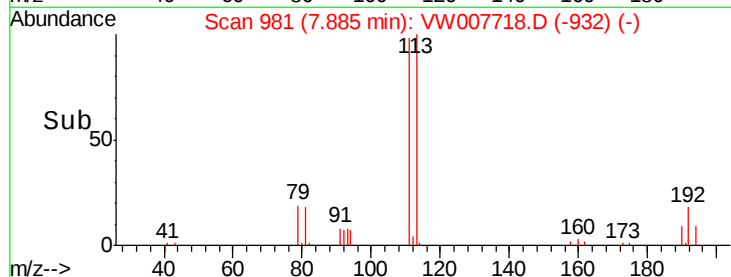
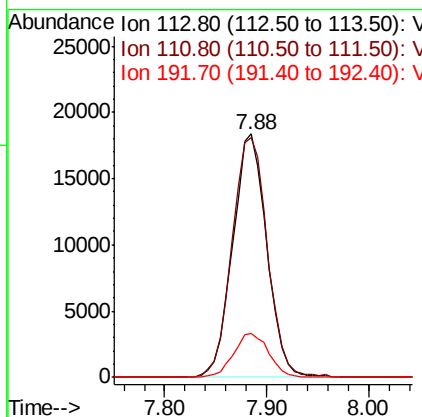
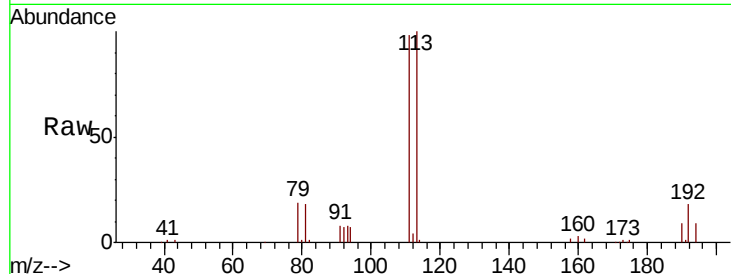
#35
 Dibromofluoromethane
 Concen: 42.327 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(27-29)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	18.6	15.5	23.3

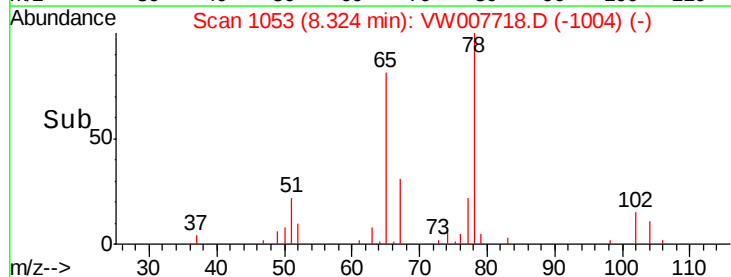
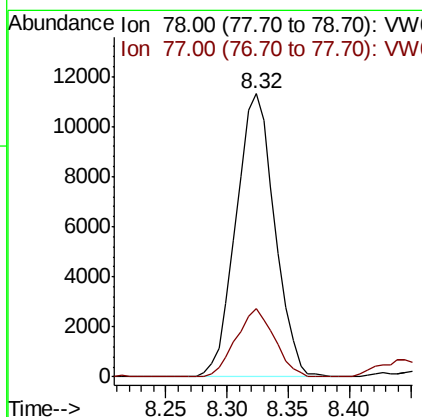
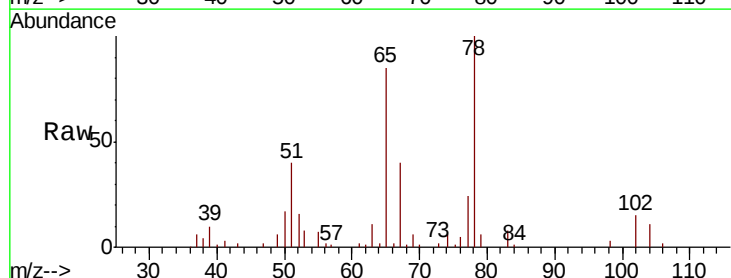
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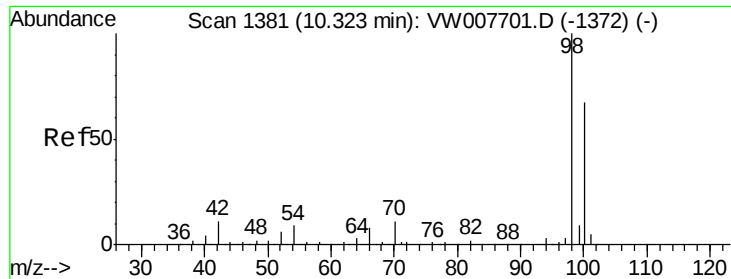
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#40
 Benzene
 Concen: 5.881 ug/l
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





#50

Toluene-d8

Concen: 42.494 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(27-29)

Tot Ion: 98 Resp: 160367

Ion Ratio Lower Upper

98 100

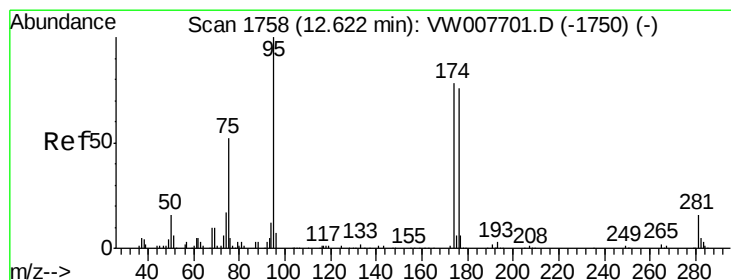
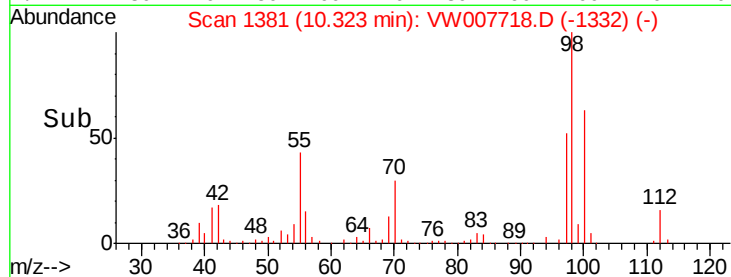
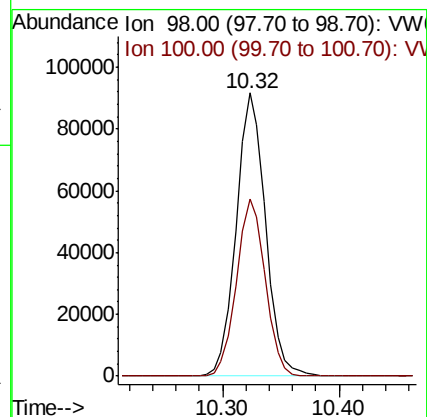
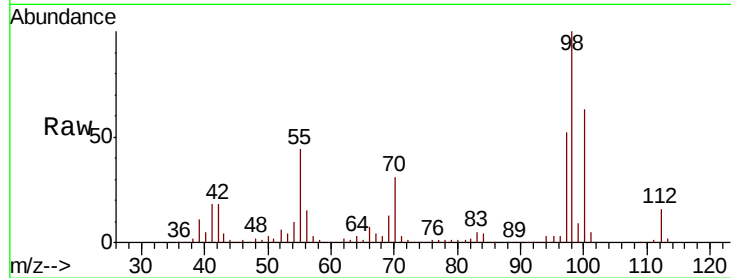
100 61.1 52.2 78.2

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#62

4-Bromofluorobenzene

Concen: 45.382 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

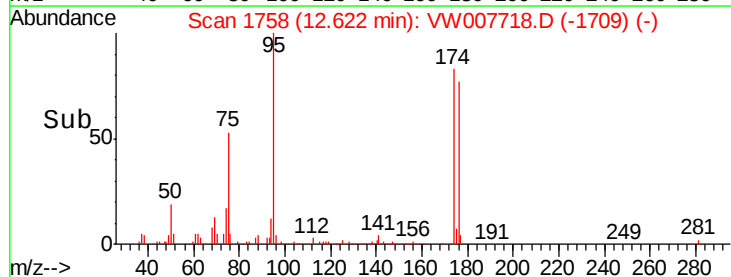
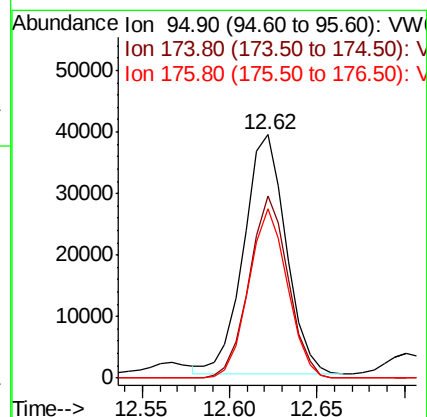
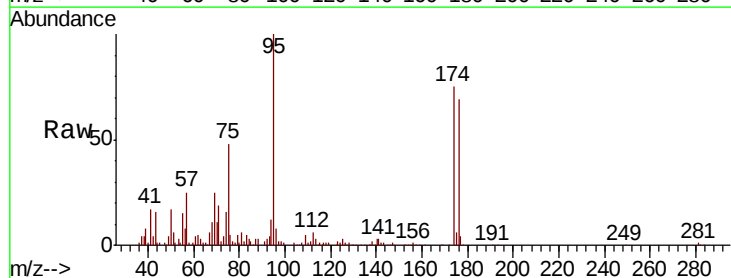
Tgt Ion: 95 Resp: 66164

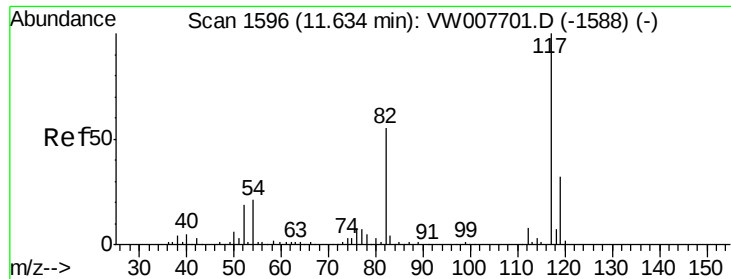
Ion Ratio Lower Upper

95 100

174 69.7 0.0 152.2

176 64.4 0.0 146.8





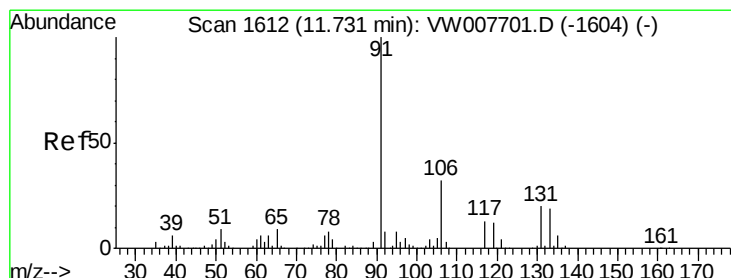
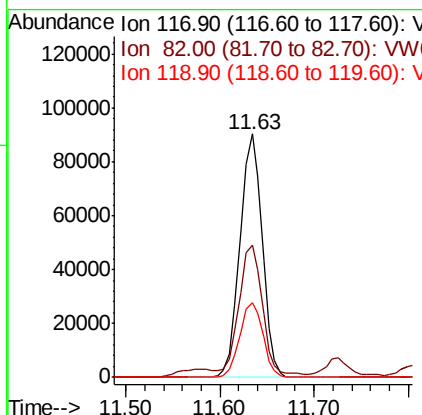
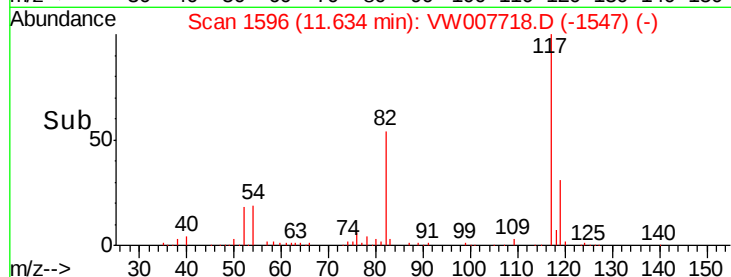
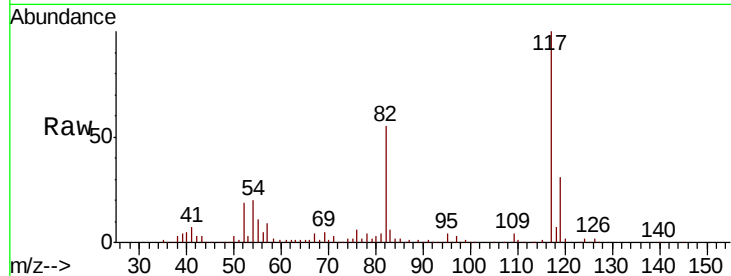
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007718.D
Acq: 19 Dec 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(27-29)

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	44.3	66.5
119	30.9	25.7	38.5

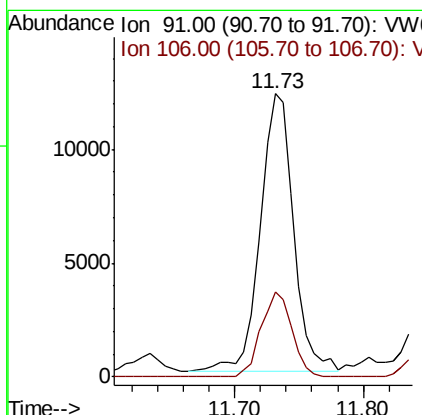
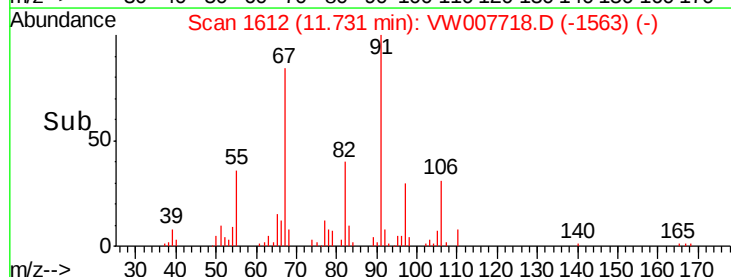
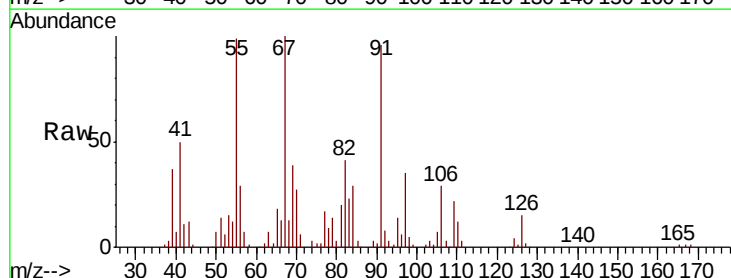
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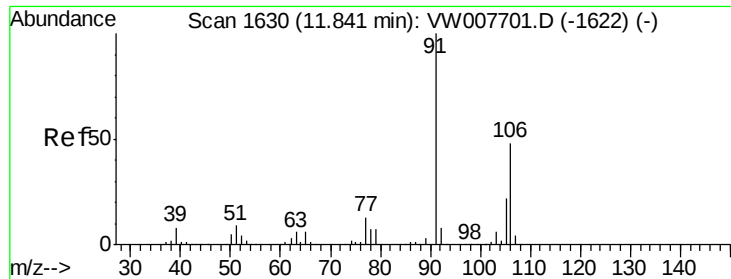
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#67
Ethyl Benzene
Concen: 3.948 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007718.D
Acq: 19 Dec 2018 23:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.8	25.8	38.8





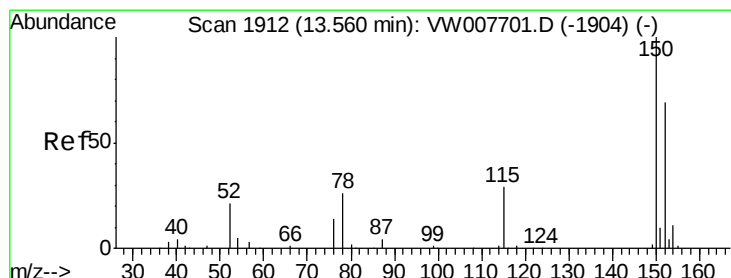
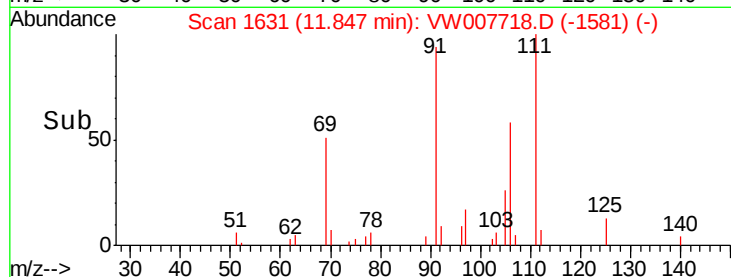
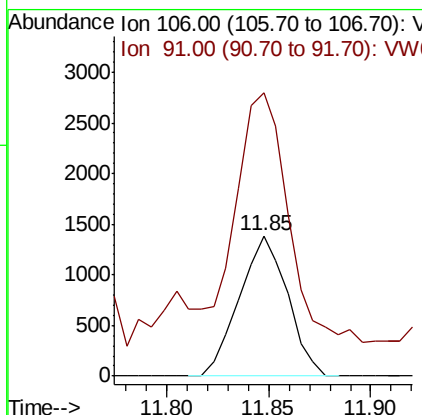
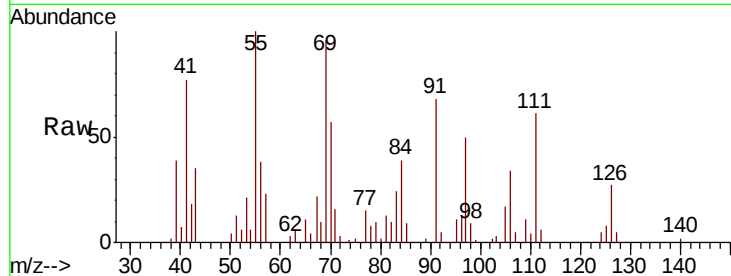
#68
m/p-Xvlenes
Concen: 1.056 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW007718.D
Acq: 19 Dec 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(27-29)

Tot Ion:106 Resp: 2270
Ion Ratio Lower Upper
106 100
91 188.4 165.2 247.8

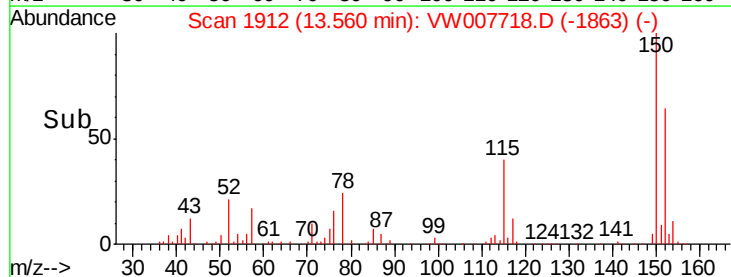
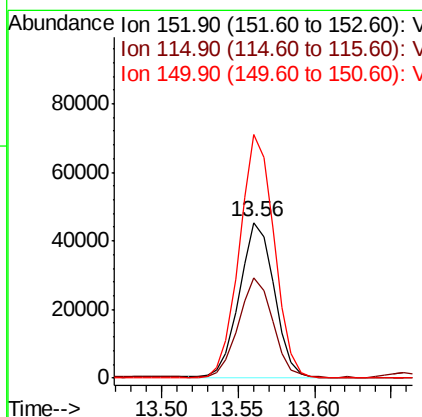
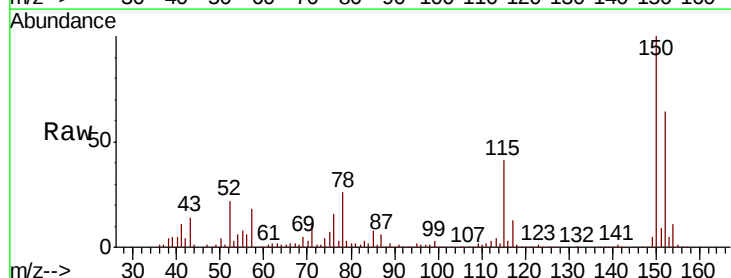
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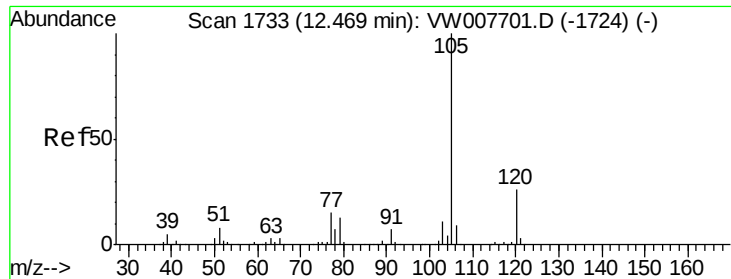
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007718.D
Acq: 19 Dec 2018 23:29

Tgt Ion:152 Resp: 71535
Ion Ratio Lower Upper
152 100
115 64.1 31.8 95.4
150 156.7 0.0 350.8





#73

Isopropylbenzene

Concen: 84.247 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(27-29)

Tot Ion:105 Resp: 455545

Ion Ratio Lower Upper

105 100

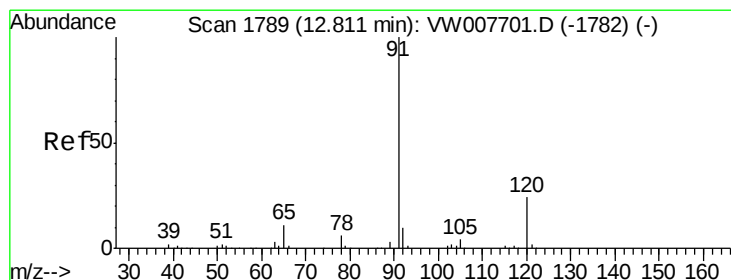
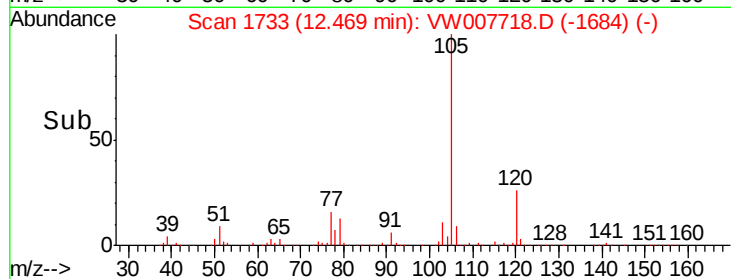
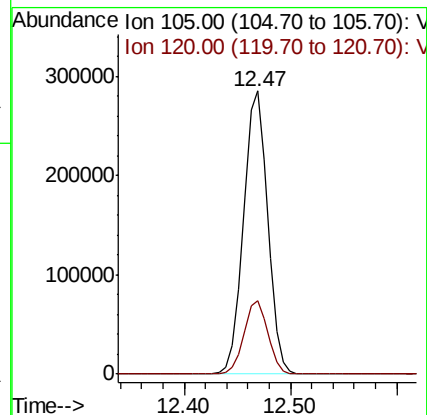
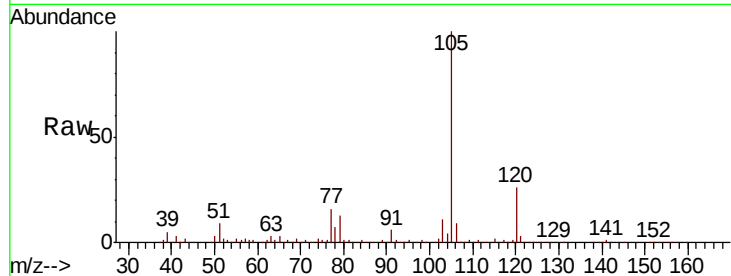
120 25.8 13.1 39.3

Manual Integrations

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#78

n-propylbenzene

Concen: 178.701 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007718.D

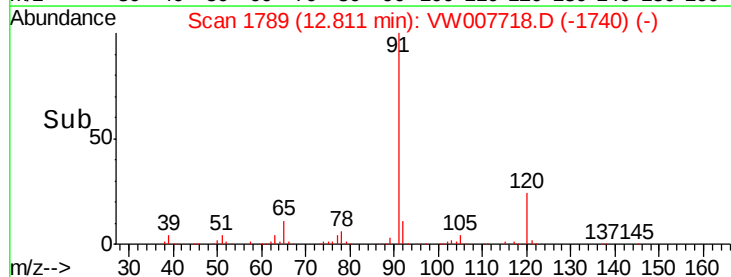
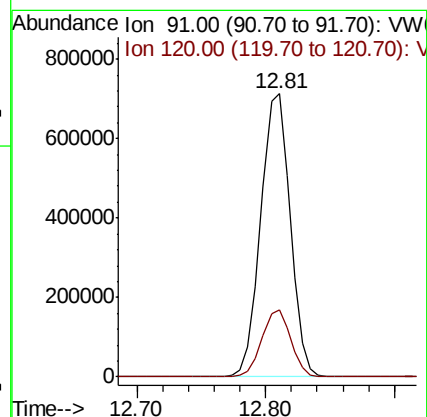
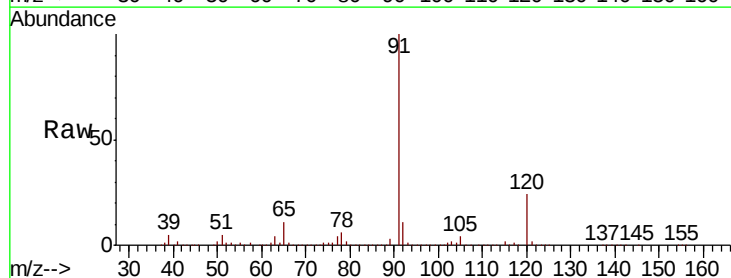
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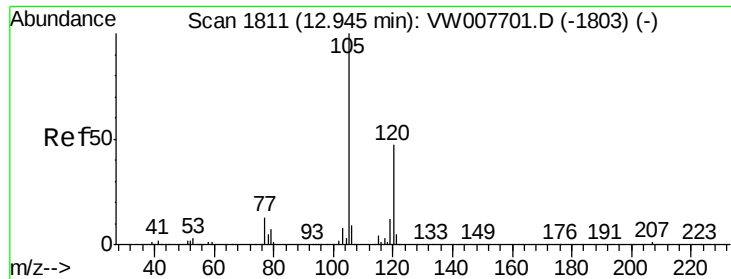
Tgt Ion: 91 Resp: 1124814

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.7





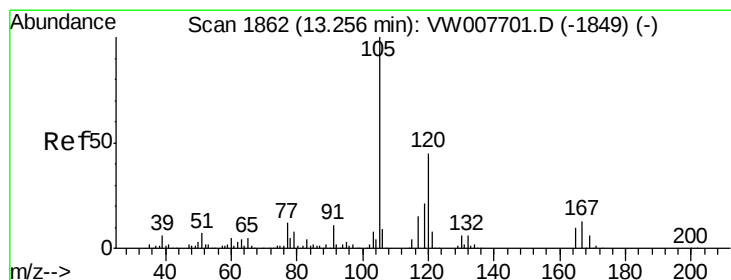
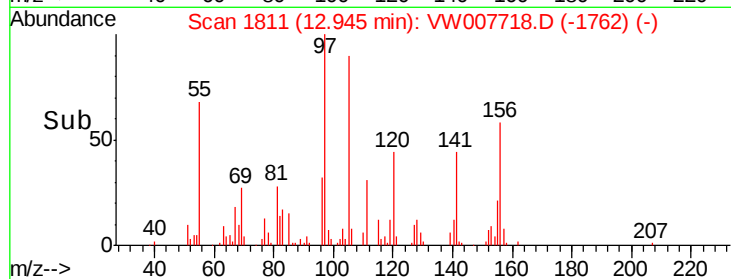
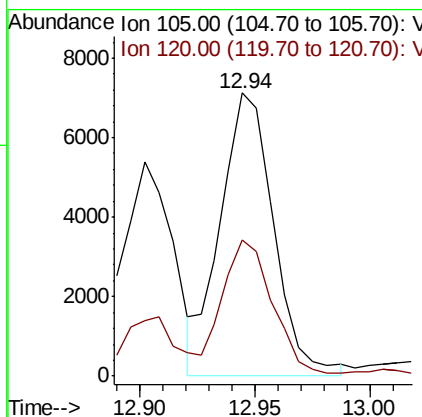
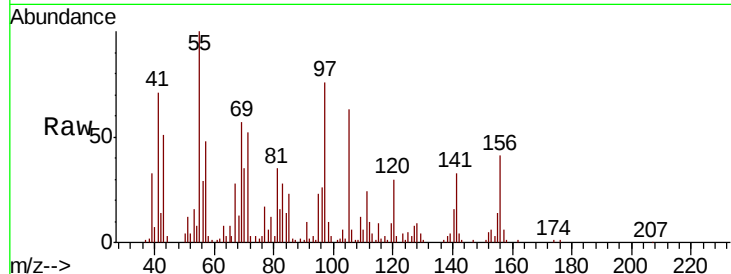
#80
 1,3,5-Trimethylbenzene
 Concen: 2.484 ug/l m
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB103-121118-(27-29)

Tot Ion:105 Resp: 11584
 Ion Ratio Lower Upper
 105 100
 120 140.1 23.6 70.8#

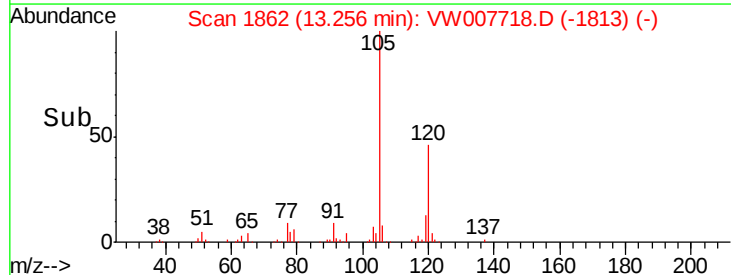
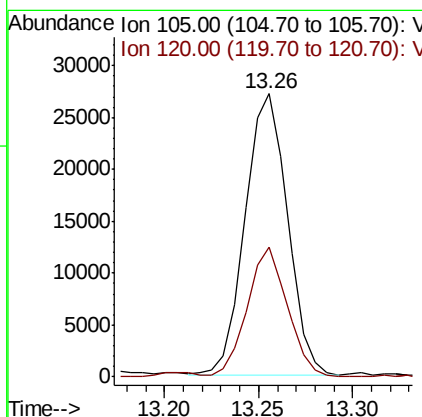
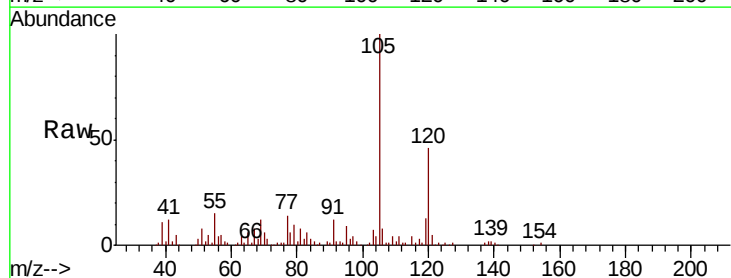
Manual Integrations
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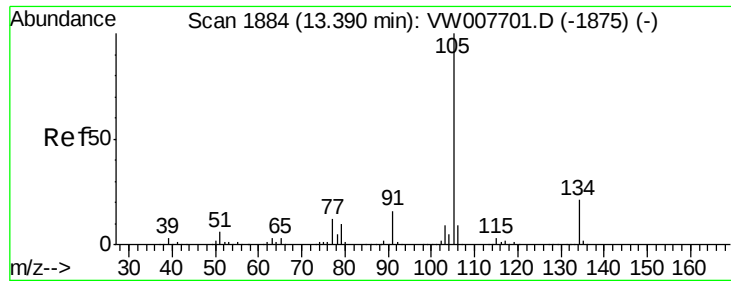
apatel
 12/20/2018 11:20:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 8.939 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007718.D
 Acq: 19 Dec 2018 23:29

Tgt Ion:105 Resp: 42072
 Ion Ratio Lower Upper
 105 100
 120 43.4 22.0 66.0





#85

sec-Butylbenzene

Concen: 16.685 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

Instrument :

MSVOA_W

ClientSampleId :

KY001SB103-121118-(27-29)

Tot Ion: 105 Resp: 94103

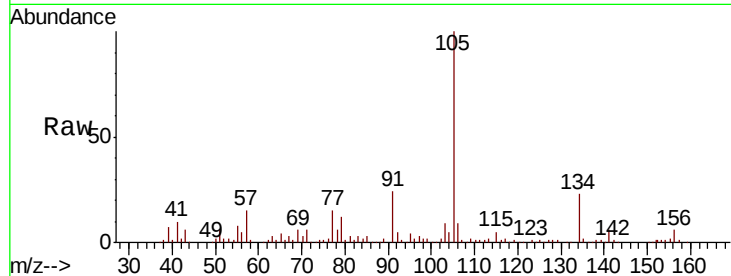
Ion Ratio Lower Upper

105 100

134 42.8 10.2 30.4#

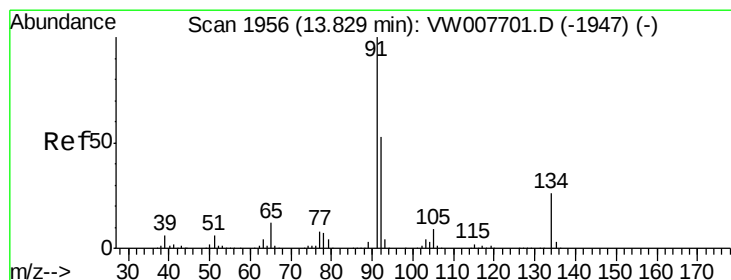
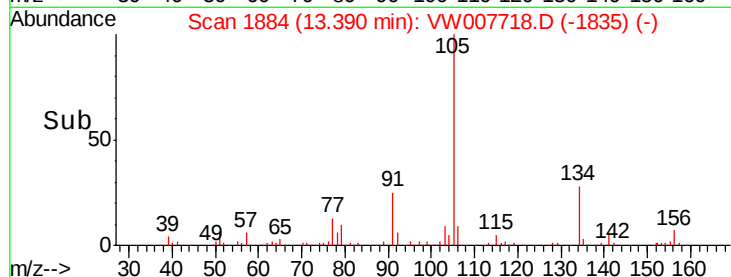
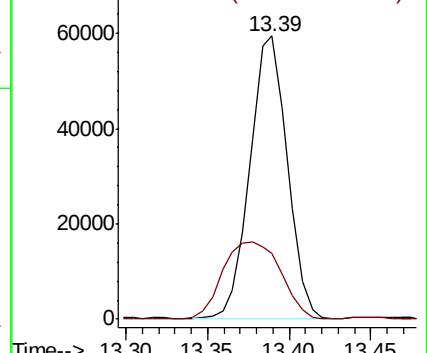
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 14.427 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007718.D

Acq: 19 Dec 2018 23:29

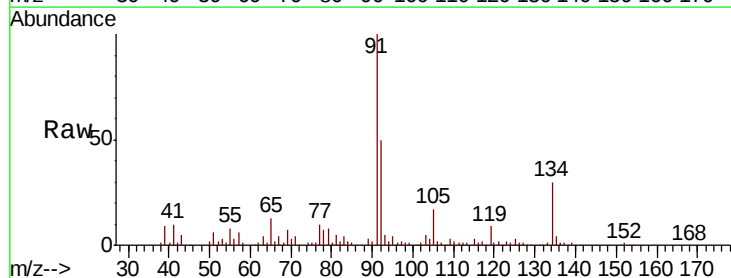
Tgt Ion: 91 Resp: 67842

Ion Ratio Lower Upper

91 100

92 38.1 26.4 79.2

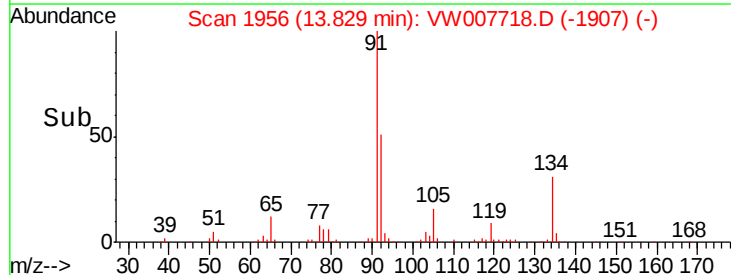
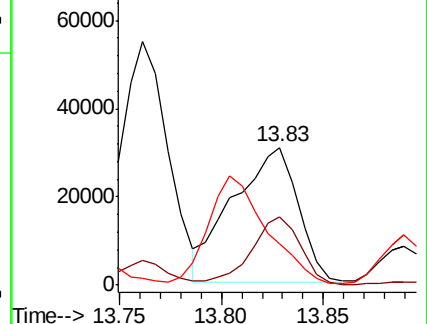
134 0.0 13.7 41.0#

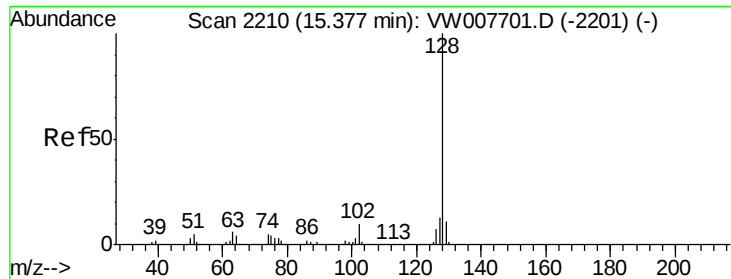


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





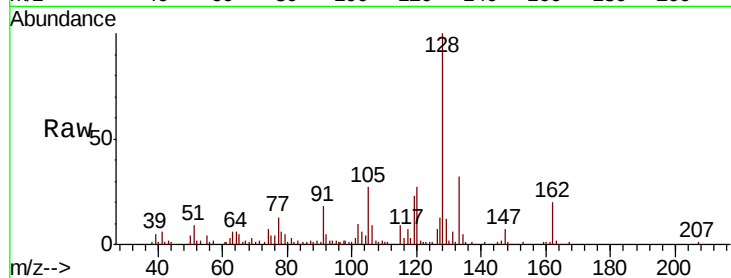
#95
Naphthalene
Concen: 9.534 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007718.D
Acq: 19 Dec 2018 23:29

Instrument :
MSVOA_W
ClientSampleId :
KY001SB103-121118-(27-29)

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	8.0	8.8	13.2#

Manual Integrations
APPROVED

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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

