

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064720.D
 Acq On : 18 Nov 2020 20:36
 Operator : JC/MD
 Sample : L4783-20 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:12:28 PM

Quant Time: Nov 19 02:51:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	221479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	459336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	213144	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	202694	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
35) Dibromofluoromethane	7.55	113	126721	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.06	98	567723	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.37	95	243518	57.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	34138	90.314	ug/l #	76
19) Methyl tert-butyl Ether	4.99	73	8685	1.090	ug/l #	1
39) Methylcyclohexane	9.05	83	7505	1.873	ug/l	90
40) Benzene	8.00	78	261705	20.774	ug/l	99
52) Toluene	10.12	92	1087858	140.206	ug/l	99
67) Ethyl Benzene	11.48	91	1136830	65.989	ug/l	99
68) m/p-Xylenes	11.59	106	421951	61.928	ug/l	97
69) o-Xylene	11.92	106	165923	27.606	ug/l	100
73) Isopropylbenzene	12.22	105	162215	10.719	ug/l	98
78) n-propylbenzene	12.56	91	227885	12.931	ug/l	98
80) 1,3,5-Trimethylbenzene	12.70	105	98926	7.869	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	319602	24.910	ug/l	98
85) sec-Butylbenzene	13.14	105	6133m	0.473	ug/l	
89) n-Butylbenzene	13.59	91	6131	0.551	ug/l #	80
95) Naphthalene	15.10	128	96672	8.070	ug/l	98

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

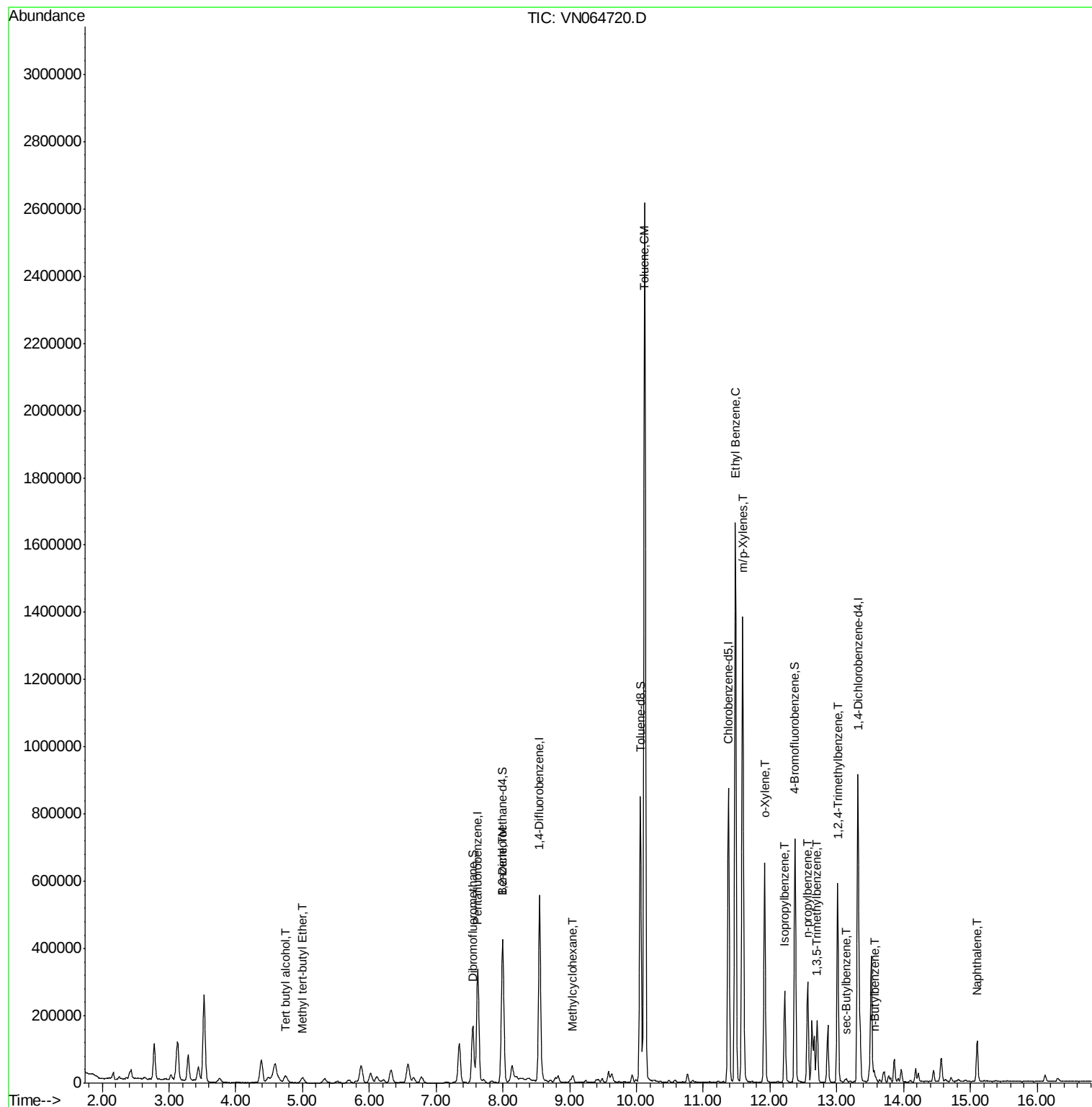
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
Data File : VN064720.D
Acq On : 18 Nov 2020 20:36
Operator : JC/MD
Sample : L4783-20 40X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

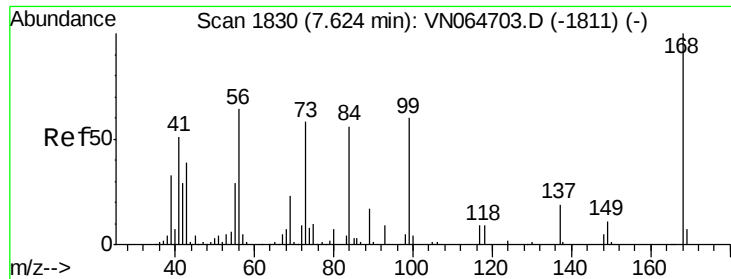
Instrument :
MSVOA_N
ClientSampleId :
MW-1

Manual Integrations
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Quant Time: Nov 19 02:51:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064720.D

Acq: 18 Nov 2020 20:36

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tot Ion:168 Resp: 221479

Ion Ratio Lower Upper

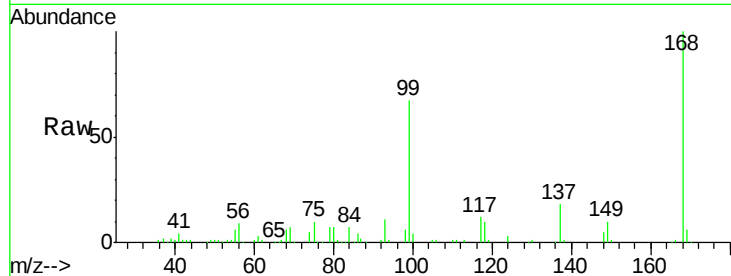
168 100

99 67.1 55.7 83.5

Manual Integrations
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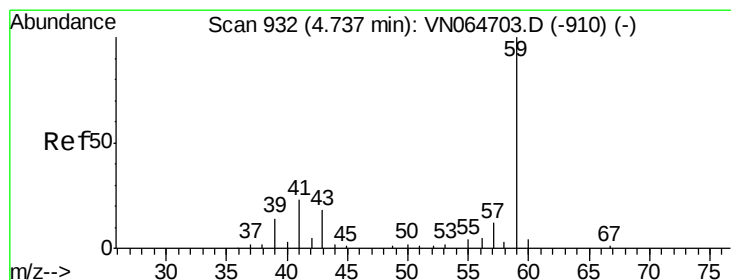
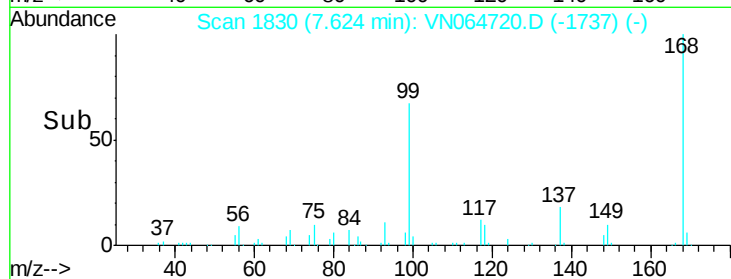
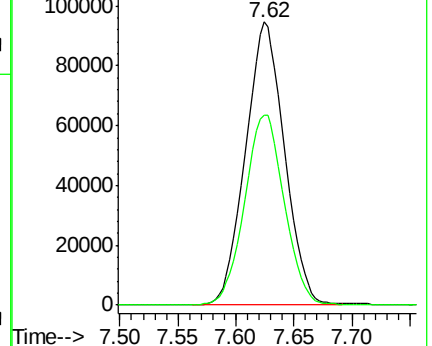
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 90.314 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN064720.D

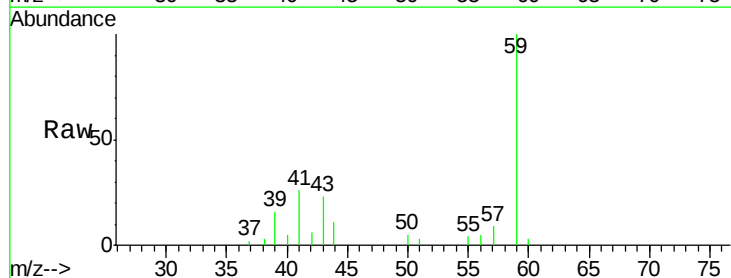
Acq: 18 Nov 2020 20:36

Tgt Ion: 59 Resp: 34138

Ion Ratio Lower Upper

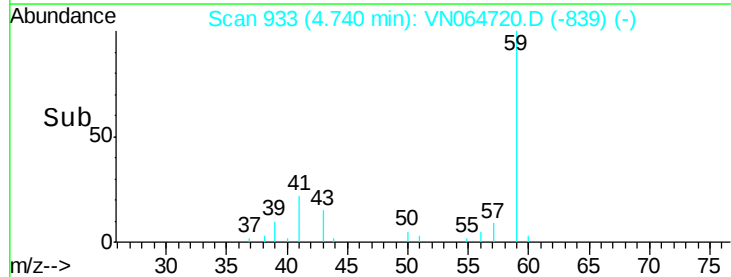
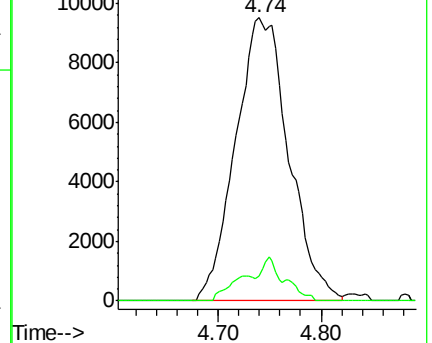
59 100

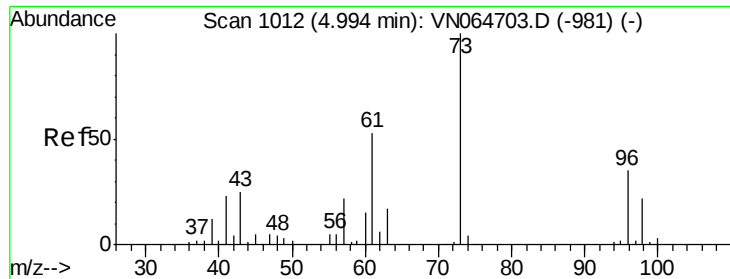
57 2.3 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





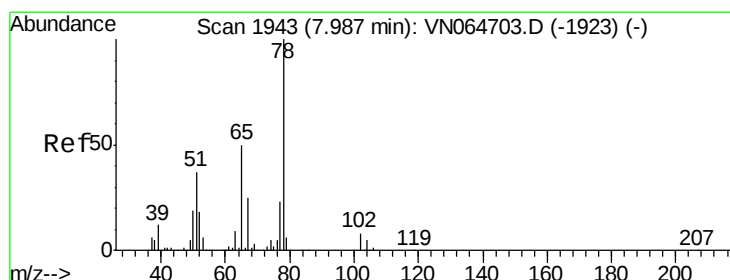
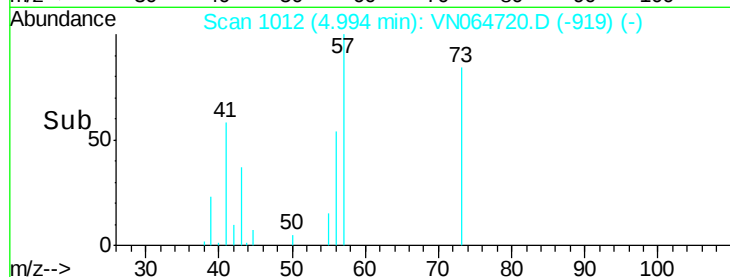
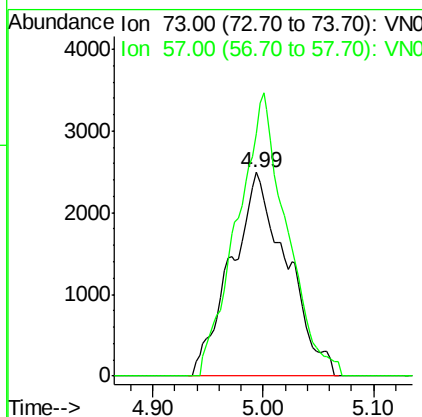
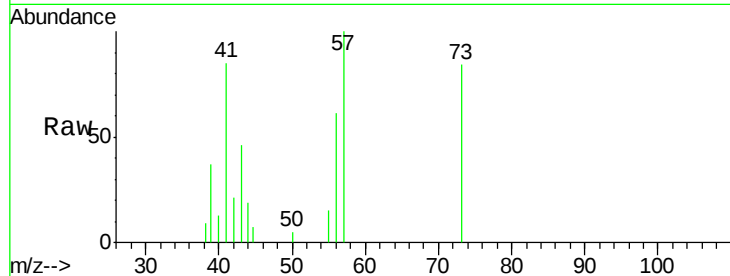
#19
Methvl tert-butvl Ether
Concen: 1.090 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 73 Resp: 8685
Ion Ratio Lower Upper
73 100
57 118.8 17.3 25.9#

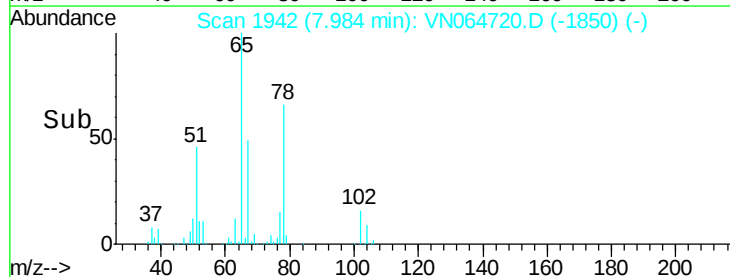
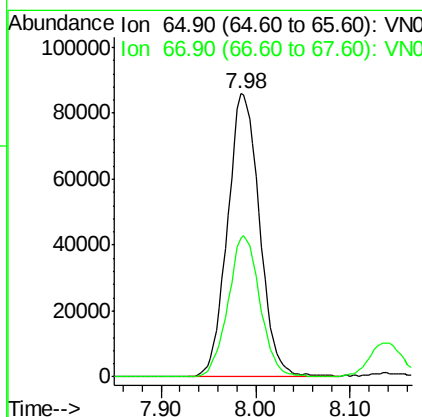
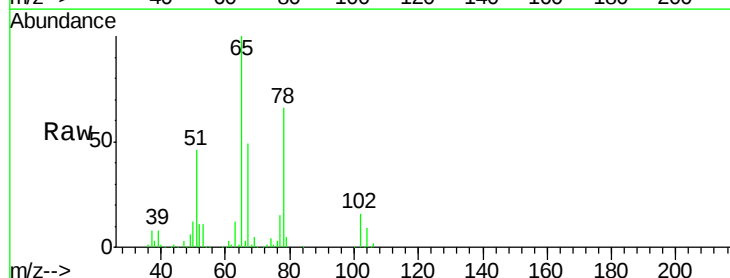
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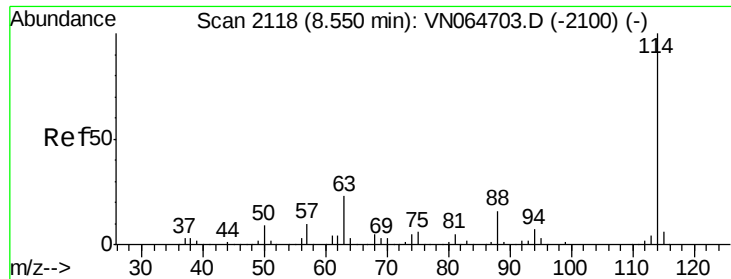
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#33
1,2-Dichloroethane-d4
Concen: 52.024 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Tgt Ion: 65 Resp: 202694
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.8





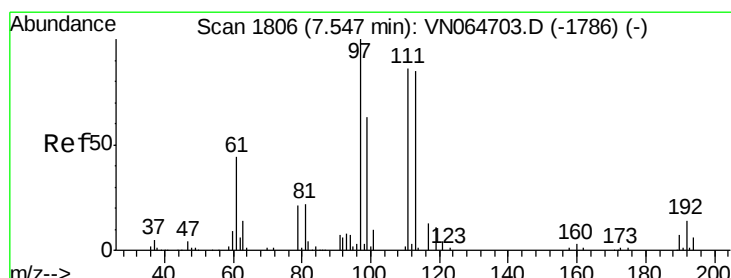
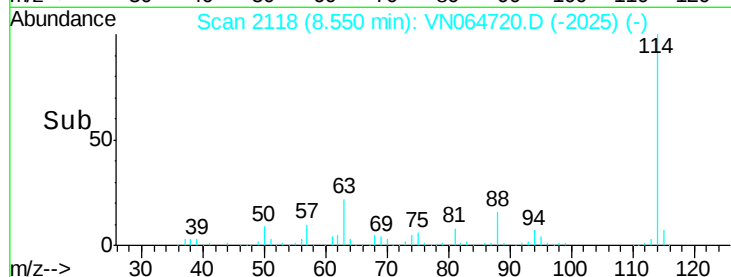
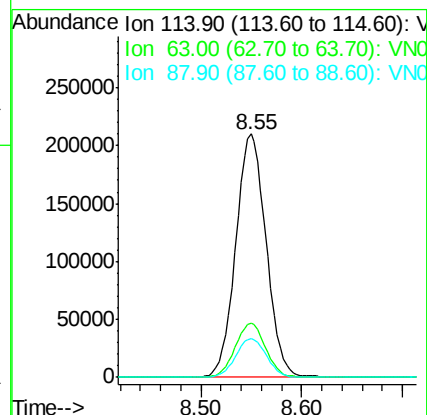
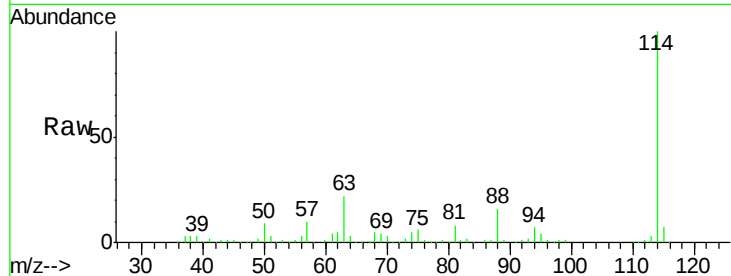
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	439476		
63	22.4	0.0	46.0	
88	15.9	0.0	31.2	

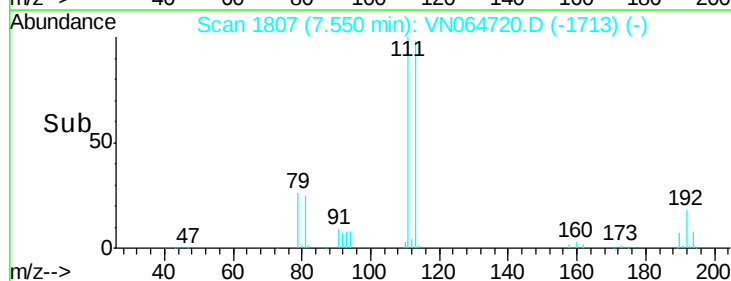
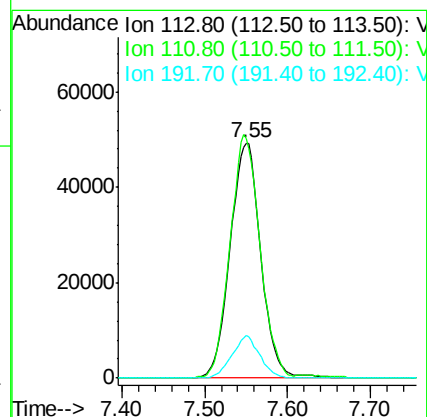
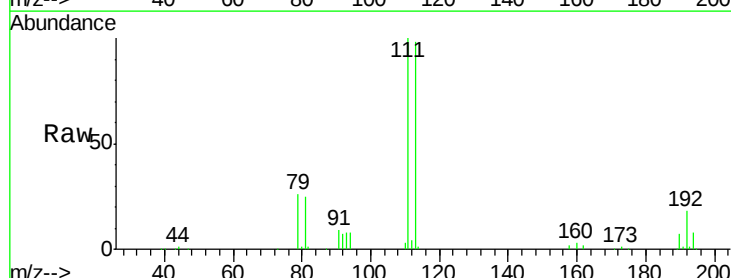
Manual Integrations
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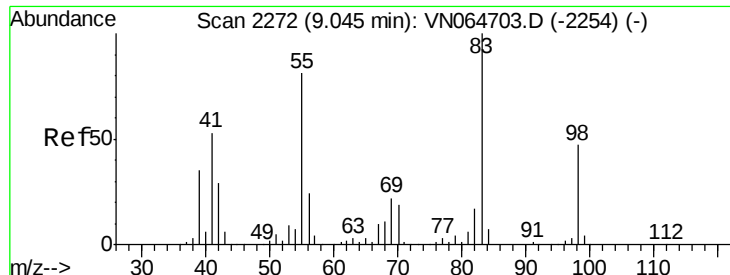
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#35
Dibromofluoromethane
Concen: 50.660 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	126721		
111	101.0	82.2	123.4	
192	16.3	12.7	19.1	





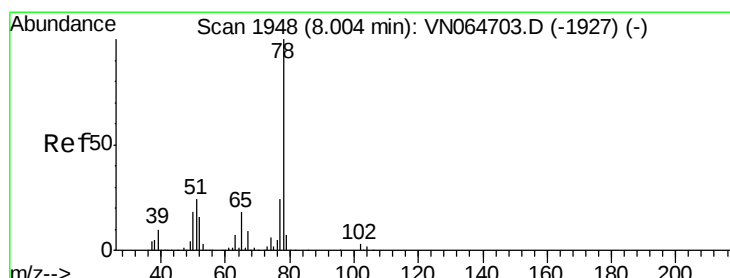
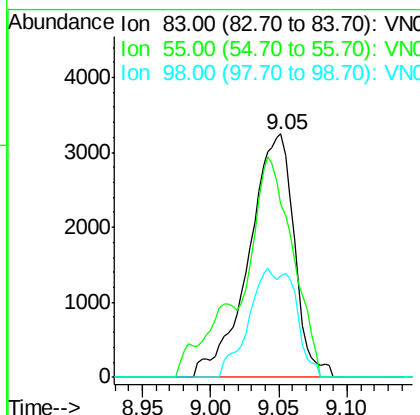
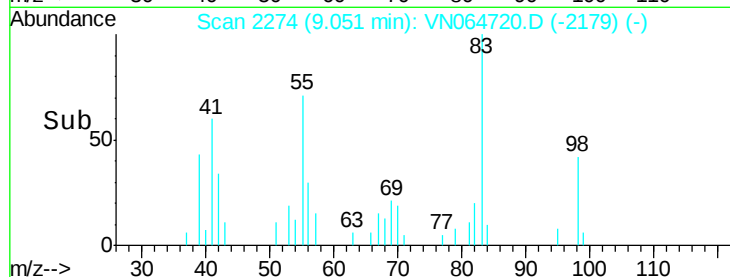
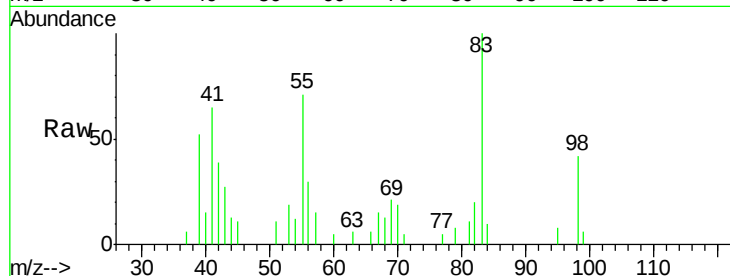
#39
Methvlcvclohexane
Concen: 1.873 ug/l
RT: 9.05 min Scan# 2274
Delta R.T. 0.01 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	83	Resp	7505
Ion Ratio	100	Lower	Upper
83	100		
55	71.3	64.6	97.0
98	41.7	37.7	56.5

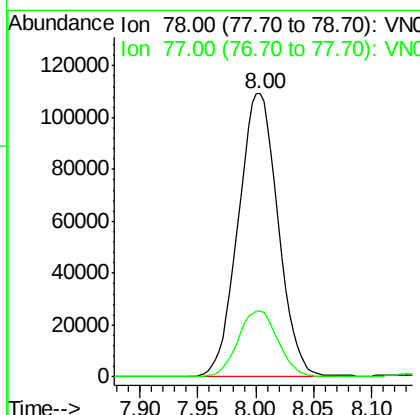
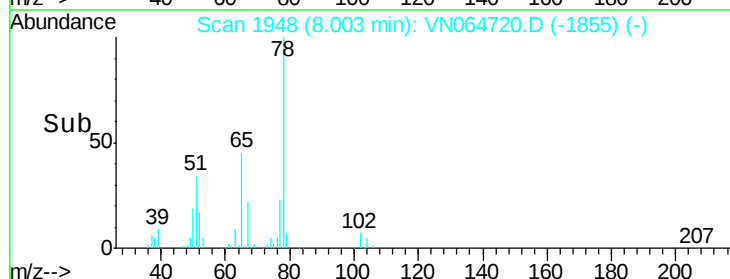
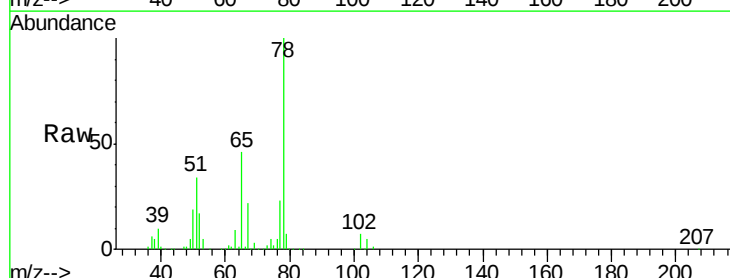
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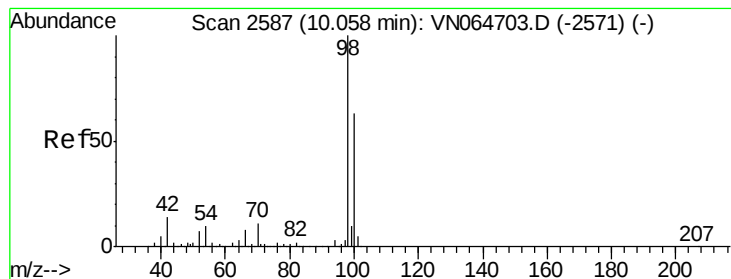
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#40
Benzene
Concen: 20.774 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Tgt Ion	78	Resp	261705
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	19.2	28.8





#50

Toluene-d8

Concen: 49.939 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064720.D

Acq: 18 Nov 2020 20:36

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 98 Resp: 567723

Ion Ratio Lower Upper

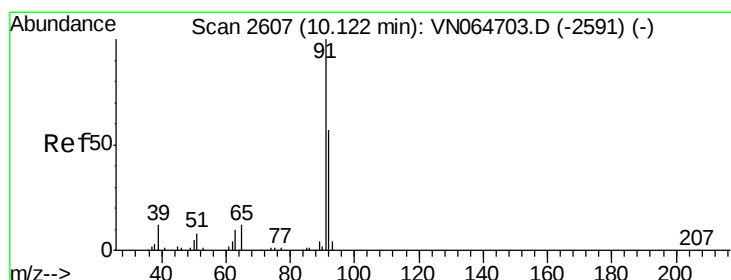
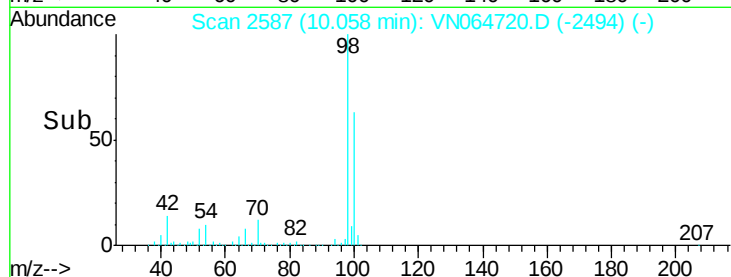
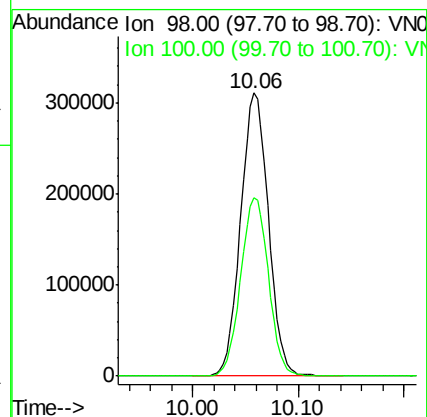
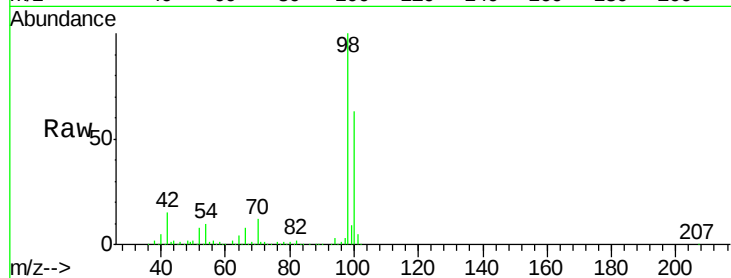
98 100

100 63.0 50.4 75.6

Manual Integrations
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#52

Toluene

Concen: 140.206 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064720.D

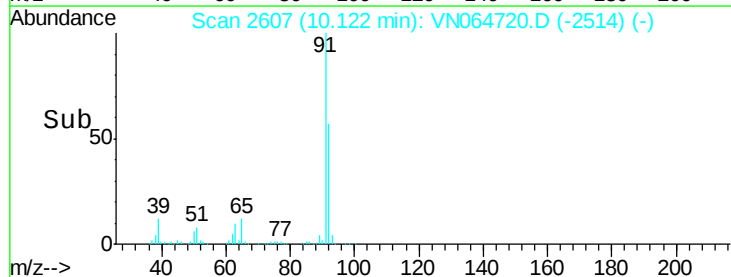
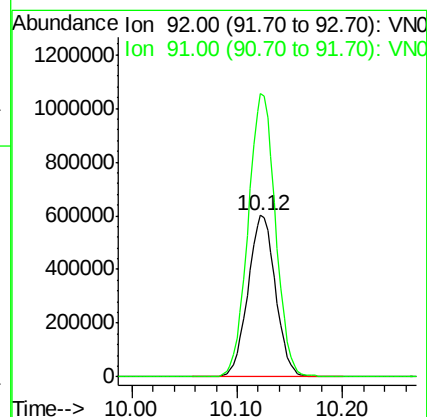
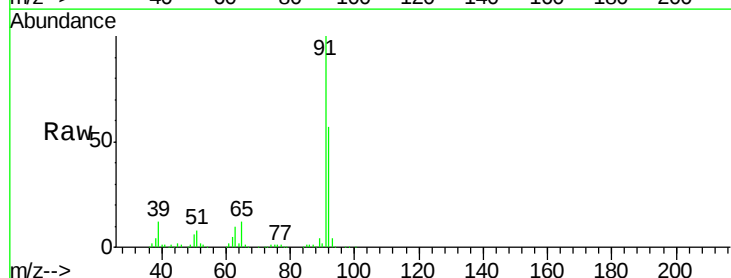
Acq: 18 Nov 2020 20:36

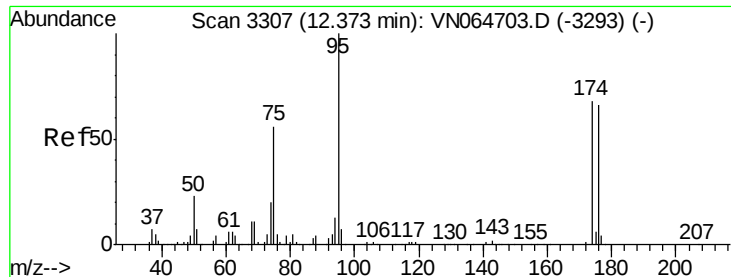
Tgt Ion: 92 Resp: 1087858

Ion Ratio Lower Upper

92 100

91 175.5 141.2 211.8





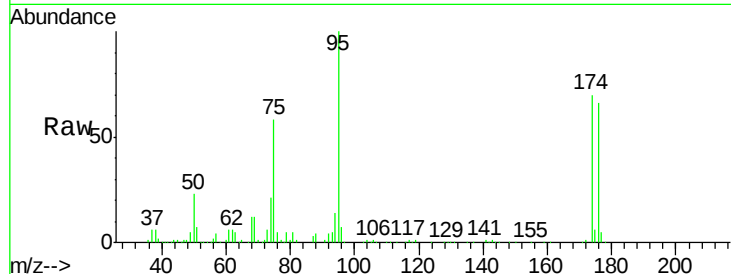
#62
4-Bromofluorobenzene
Concen: 57.308 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	243518		
174	69.6	0.0	136.8	
176	65.4	0.0	134.2	

Manual Integrations
APPROVED

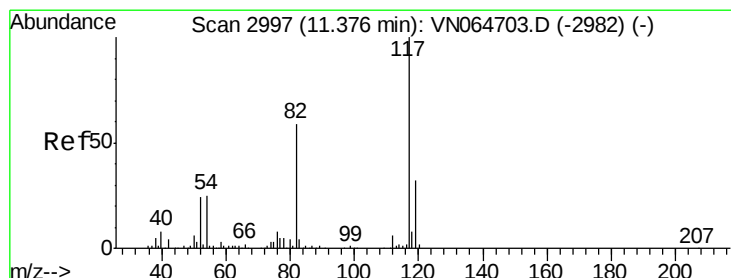
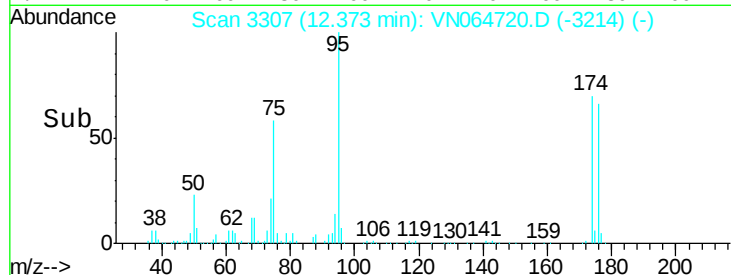
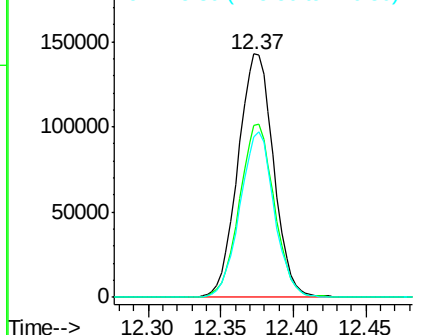
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Abundance Ion 94.90 (94.60 to 95.60): VN064720.D (-3214) (-)

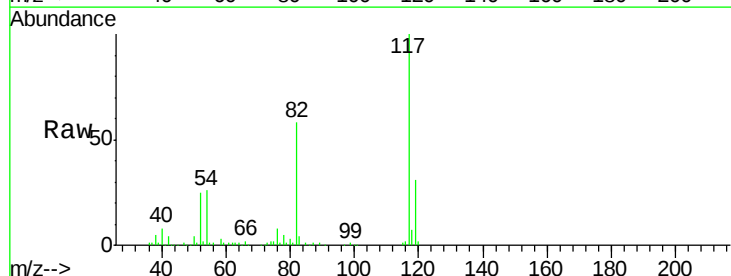
Ion 173.80 (173.50 to 174.50): VN064720.D (-3214) (-)

Ion 175.80 (175.50 to 176.50): VN064720.D (-3214) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

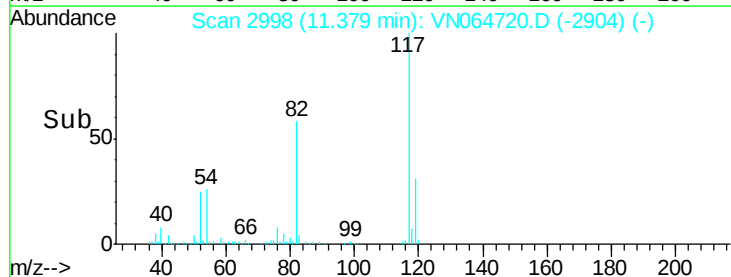
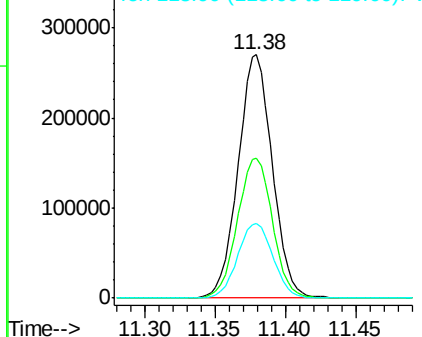
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	459336		
82	57.6	47.0	70.6	
119	30.7	25.4	38.2	

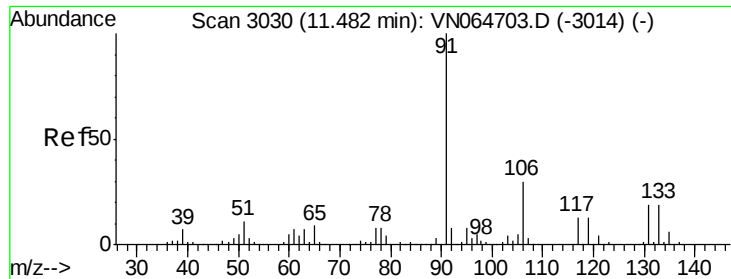


Abundance Ion 116.90 (116.60 to 117.60): VN064720.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN064720.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN064720.D (-2904) (-)





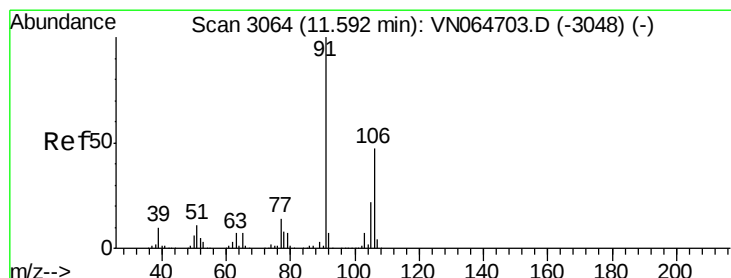
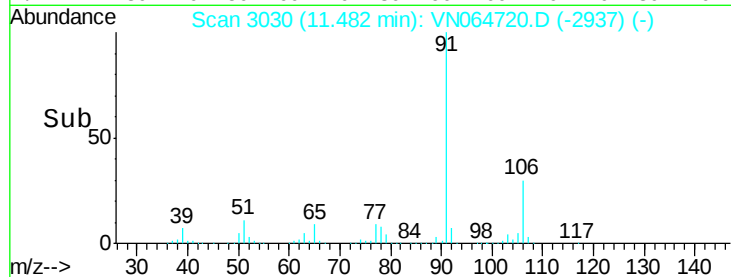
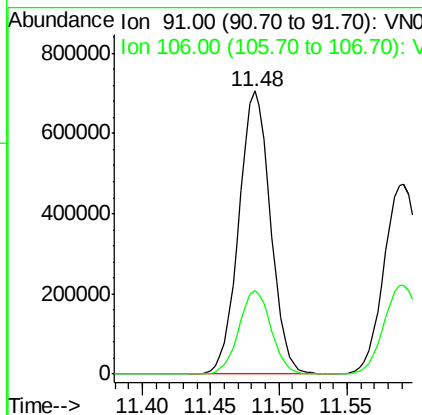
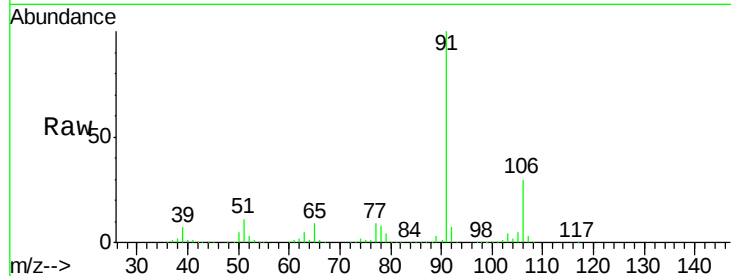
#67
Ethyl Benzene
Concen: 65.989 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampled :
MW-1

Tot Ion: 91 Resp: 1136830
Ion Ratio Lower Upper
91 100
106 29.5 23.9 35.9

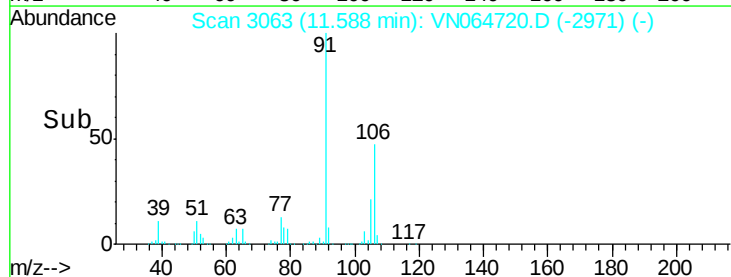
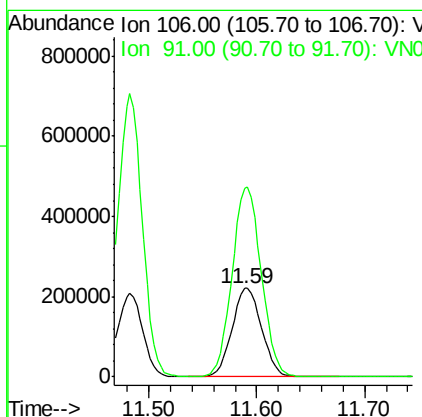
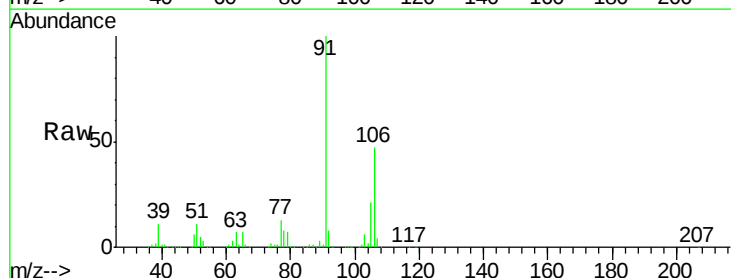
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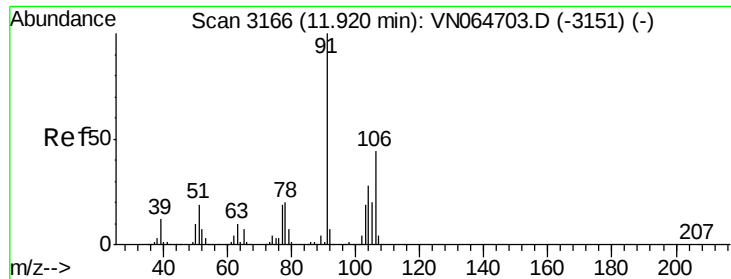
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#68
m/p-Xylenes
Concen: 61.928 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Tgt Ion: 106 Resp: 421951
Ion Ratio Lower Upper
106 100
91 210.8 171.9 257.9





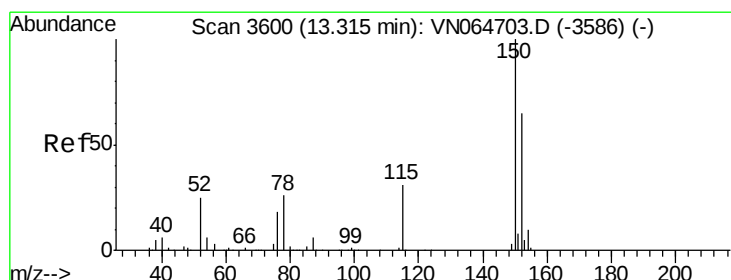
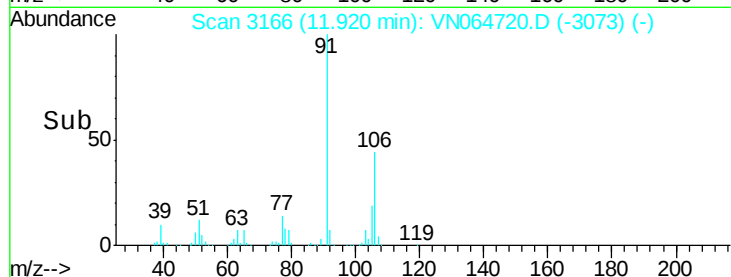
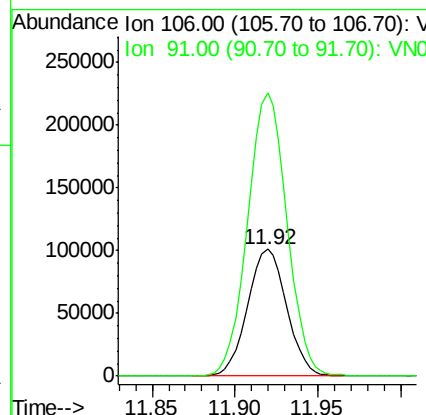
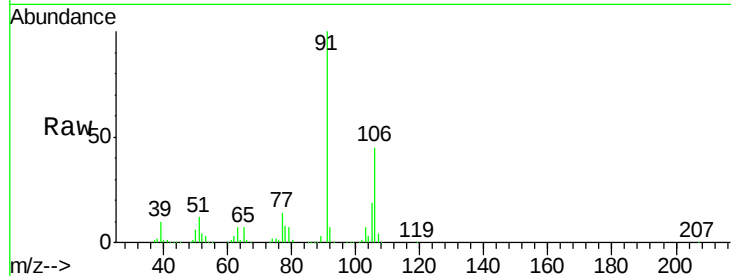
#69
o-Xylene
Concen: 27.606 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	224.5	112.1	336.3		

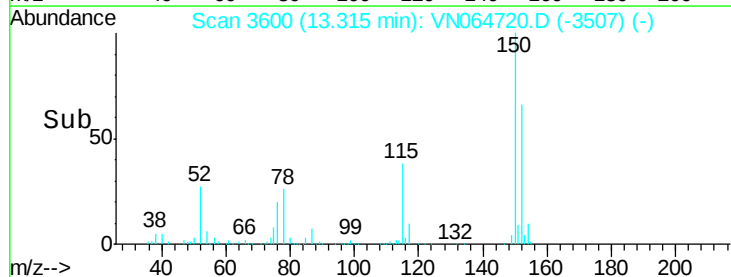
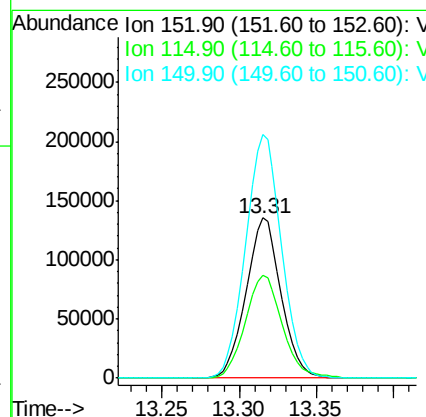
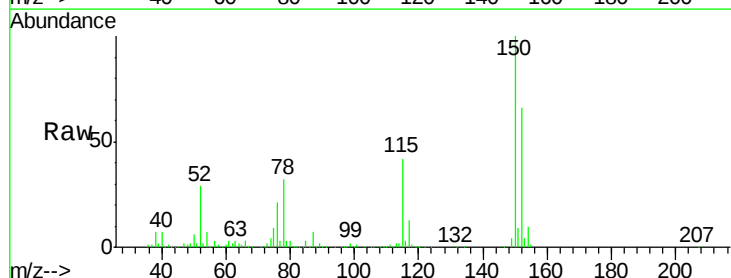
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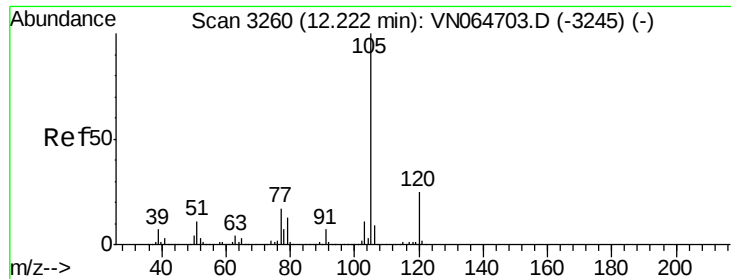
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.31 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	67.9	32.1	96.3		
150	157.0	0.0	344.8		





#73

Isopropylbenzene

Concen: 10.719 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064720.D

Acq: 18 Nov 2020 20:36

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 105 Resp: 162215

Ion Ratio Lower Upper

105 100

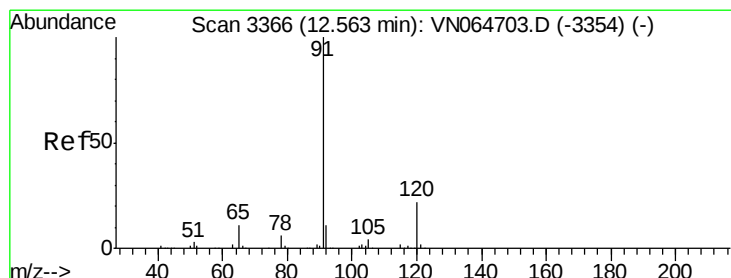
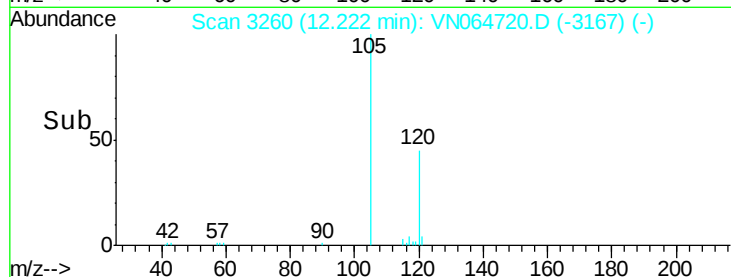
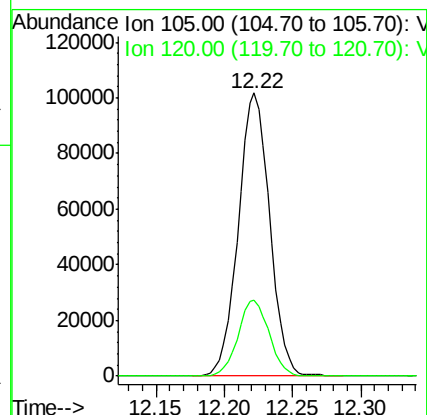
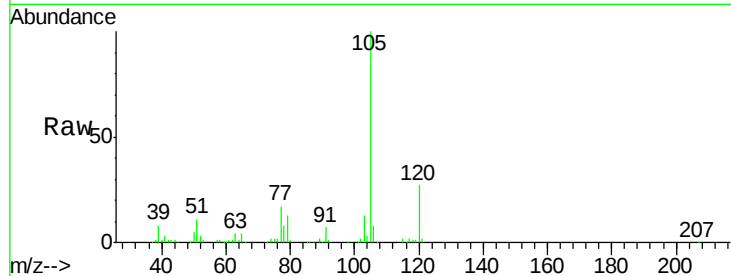
120 26.5 12.8 38.3

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#78

n-propylbenzene

Concen: 12.931 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064720.D

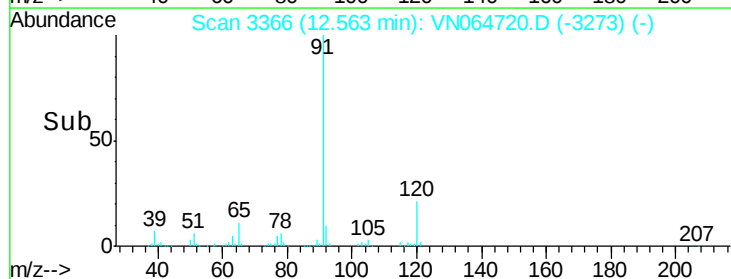
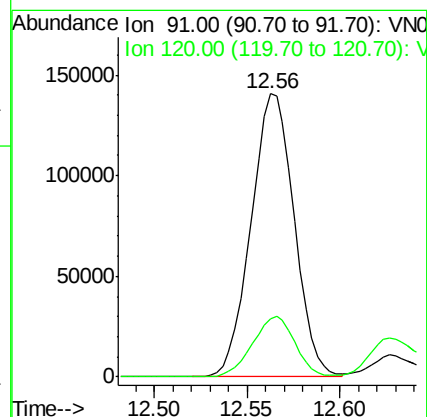
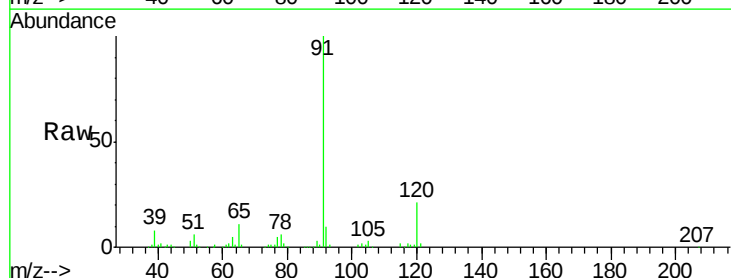
Acq: 18 Nov 2020 20:36

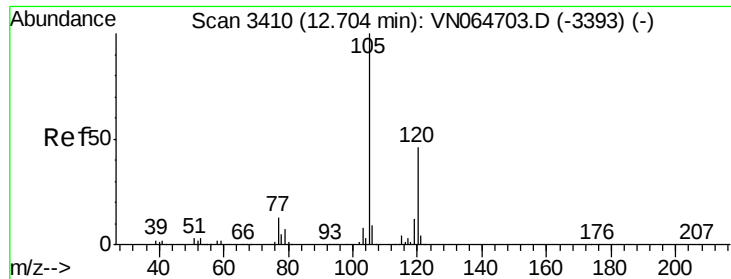
Tgt Ion: 91 Resp: 227885

Ion Ratio Lower Upper

91 100

120 20.9 10.9 32.9





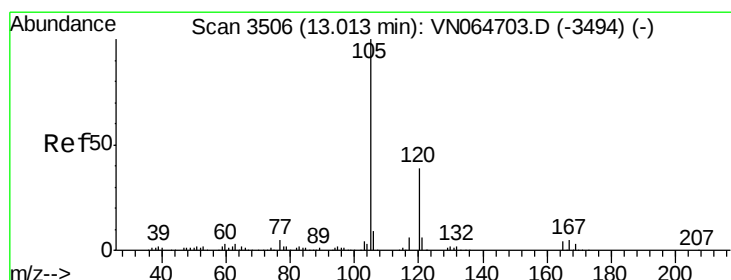
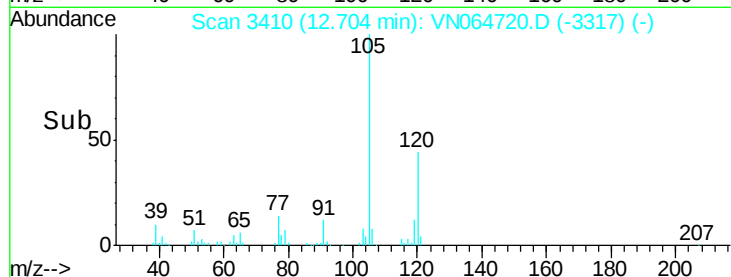
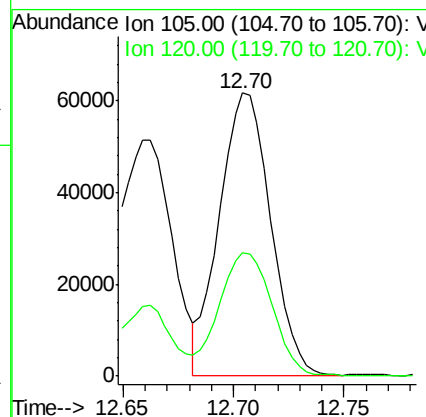
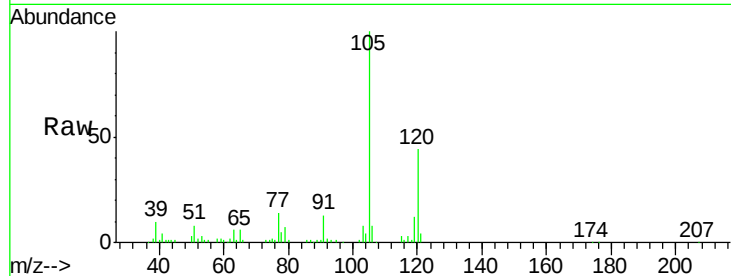
#80
 1,3,5-Trimethylbenzene
 Concen: 7.869 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064720.D
 Acq: 18 Nov 2020 20:36

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.8

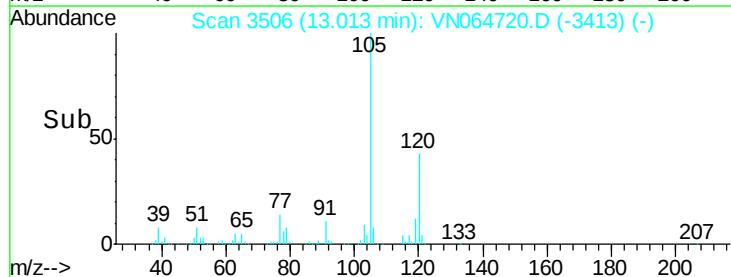
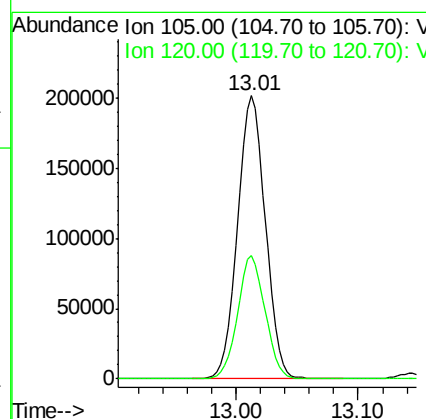
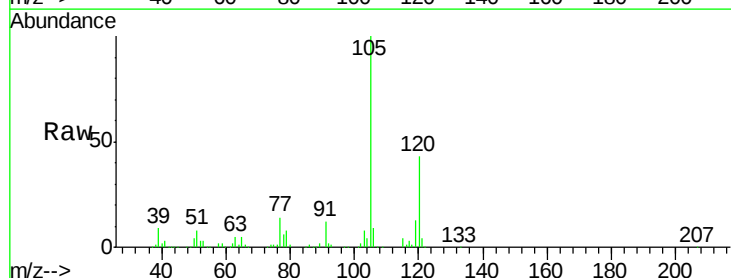
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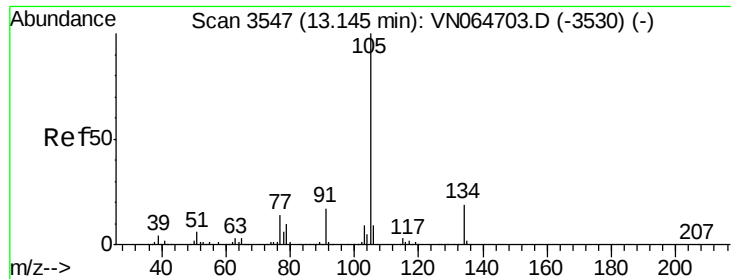
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#84
 1,2,4-Trimethylbenzene
 Concen: 24.910 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064720.D
 Acq: 18 Nov 2020 20:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	22.0	66.0





#85

sec-Butylbenzene

Concen: 0.473 ug/l m

RT: 13.14 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN064720.D

Acq: 18 Nov 2020 20:36

Instrument :

MSVOA_N

ClientSampled :

MW-1

Tot Ion: 105 Resp: 6133

Ion Ratio Lower Upper

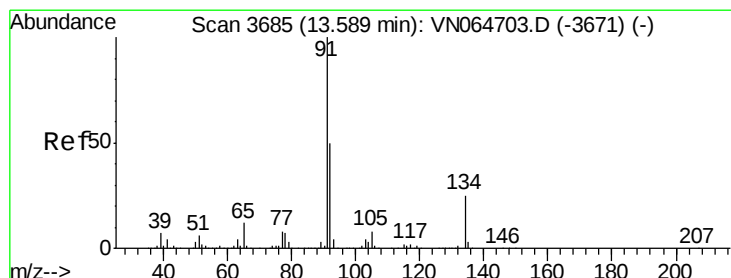
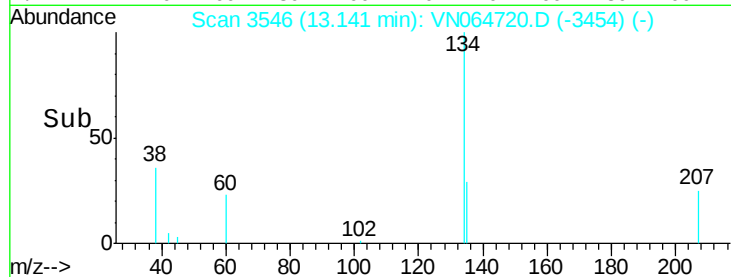
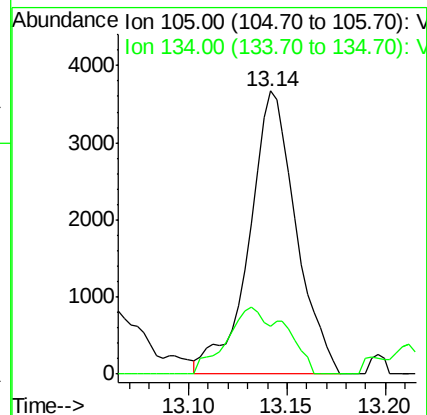
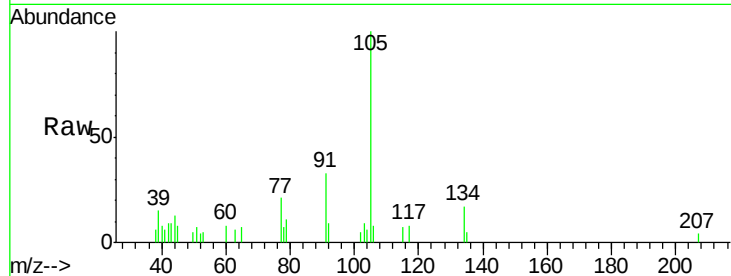
105 100

134 0.0 9.5 28.5#

Manual Integrations
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#89

n-Butylbenzene

Concen: 0.551 ug/l

RT: 13.59 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN064720.D

Acq: 18 Nov 2020 20:36

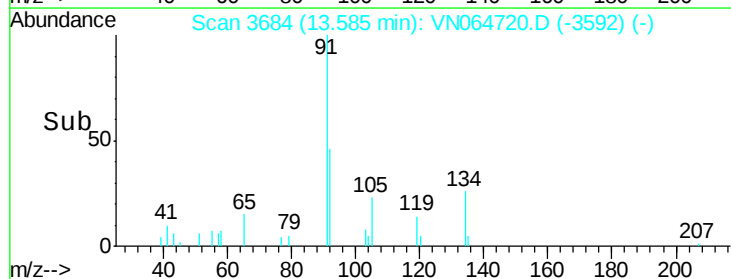
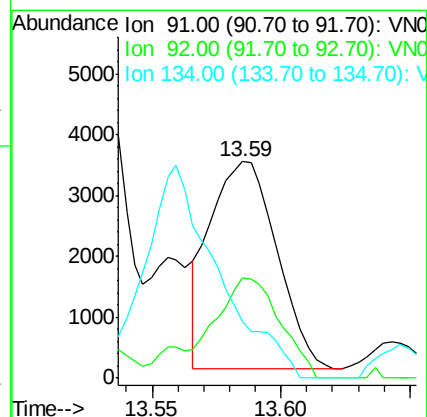
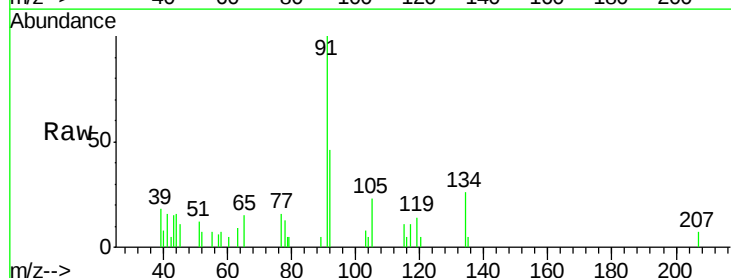
Tgt Ion: 91 Resp: 6131

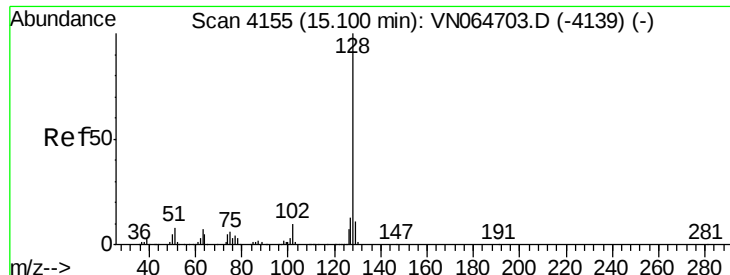
Ion Ratio Lower Upper

91 100

92 53.9 24.9 74.8

134 0.0 12.0 36.0#





#95
Naphthalene
Concen: 8.070 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064720.D
Acq: 18 Nov 2020 20:36

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.8	16.2
129	11.3	8.9	13.3

Manual Integrations
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