

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101220\
 Data File : VN064085.D
 Acq On : 12 Oct 2020 18:14
 Operator : JC/MD
 Sample : L4250-04DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08DL

Manual Integrations
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MMDadoda
 10/13/2020 4:09:50 PM

Quant Time: Oct 13 02:26:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	232955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	426096	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	442896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207085	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	193299	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
35) Dibromofluoromethane	7.55	113	144963	49.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.06%	
50) Toluene-d8	10.06	98	550273	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.38	95	231476	54.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.88%	
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	4.99	73	8588m	1.008	ug/l	
31) Cyclohexane	7.62	56	18934	4.238	ug/l #	60
39) Methylcyclohexane	9.04	83	9870	2.293	ug/l	95
40) Benzene	8.00	78	74508	6.043	ug/l	97
52) Toluene	10.13	92	82153	10.772	ug/l	97
67) Ethyl Benzene	11.48	91	2041132	123.468	ug/l	100
68) m/p-Xylenes	11.60	106	1470096	238.600	ug/l	99
69) o-Xylene	11.92	106	1467346	254.801	ug/l	97
73) Isopropylbenzene	12.23	105	82672	5.473	ug/l	98
78) n-propylbenzene	12.57	91	213871	12.166	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	238669	18.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	2177751	172.130	ug/l	97
85) sec-Butylbenzene	13.14	105	9870m	0.725	ug/l	
86) p-Isopropyltoluene	13.26	119	5969m	0.496	ug/l	
89) n-Butylbenzene	13.59	91	8812	0.793	ug/l #	69
95) Naphthalene	15.10	128	563940	50.451	ug/l	99

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

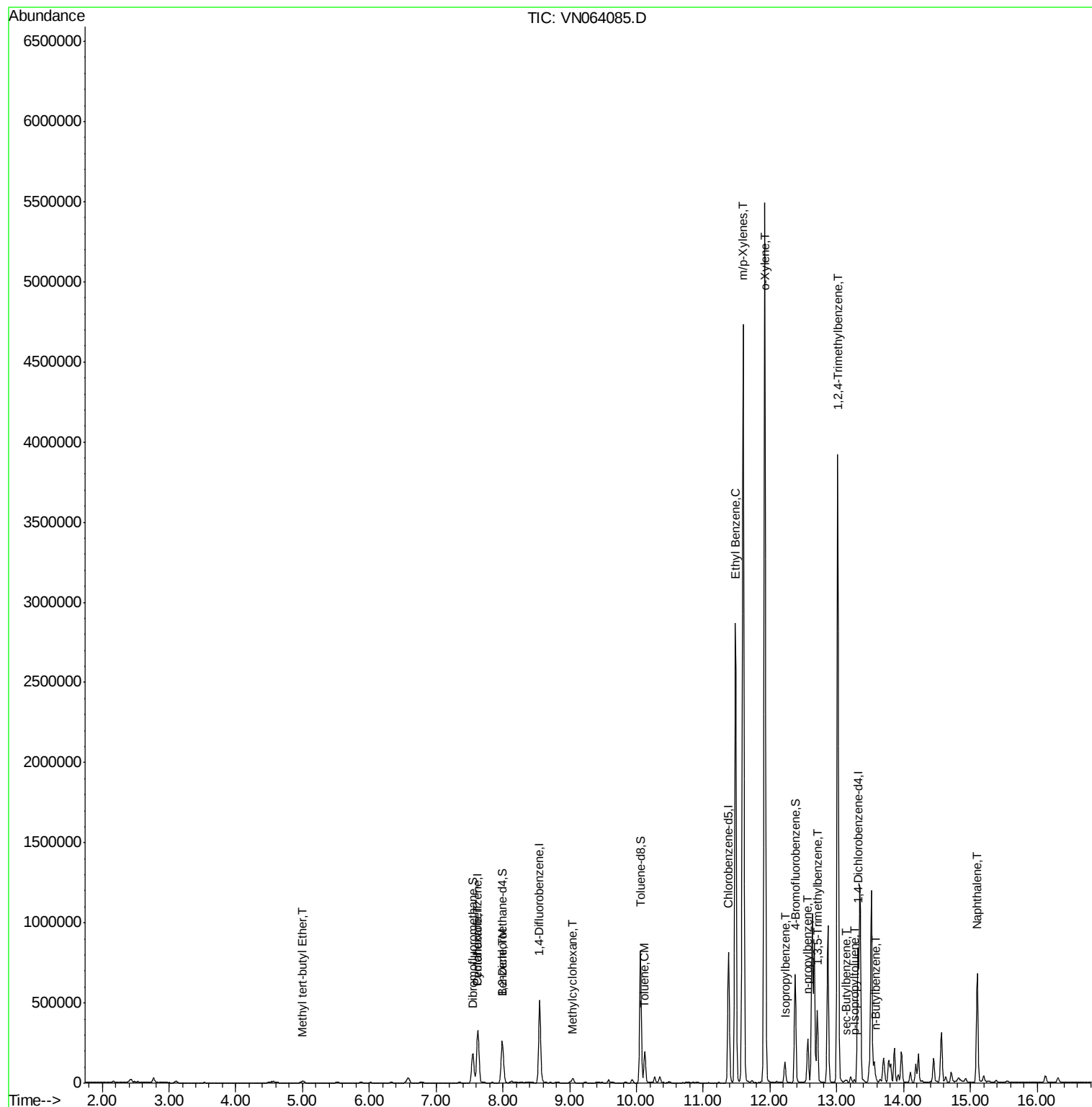
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101220\
Data File : VN064085.D
Acq On : 12 Oct 2020 18:14
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MW-08DL

Manual Integrations
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Quant Time: Oct 13 02:26:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN064085.D

Acq: 12 Oct 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

MW-08DL

Tot Ion:168 Resp: 232955

Ion Ratio Lower Upper

168 100

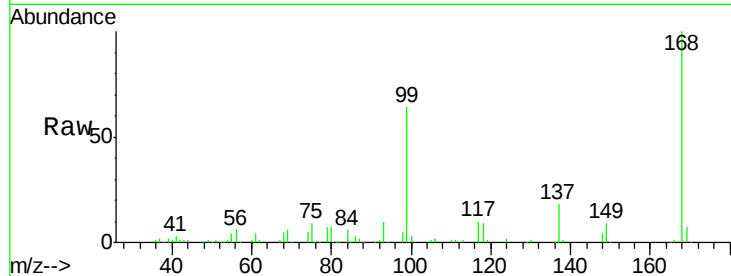
99 63.5 51.8 77.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

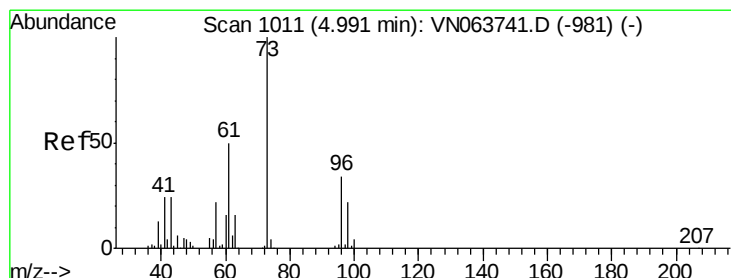
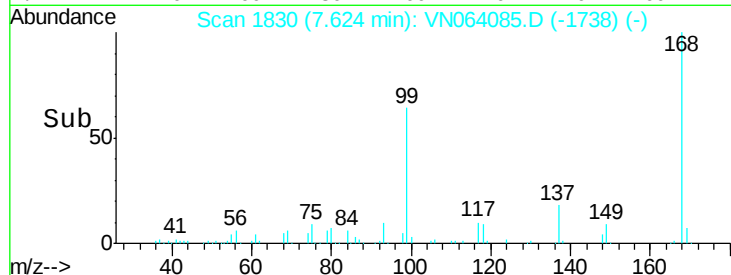
60000

40000

20000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 1.008 ug/l m

RT: 4.99 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VN064085.D

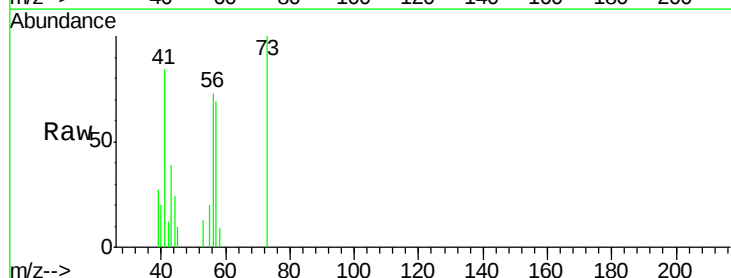
Acq: 12 Oct 2020 18:14

Tgt Ion: 73 Resp: 8588

Ion Ratio Lower Upper

73 100

57 69.0 17.6 26.4#



Abundance Ion 73.00 (72.70 to 73.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.99

2500

2000

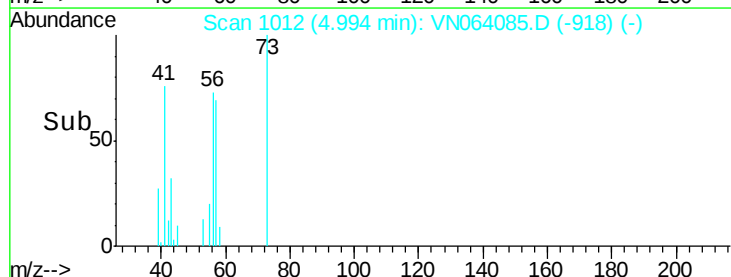
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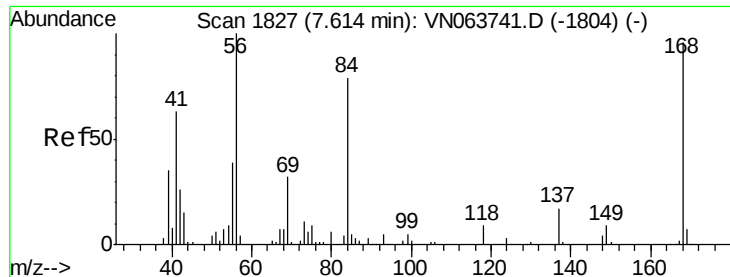
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500

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Time-->





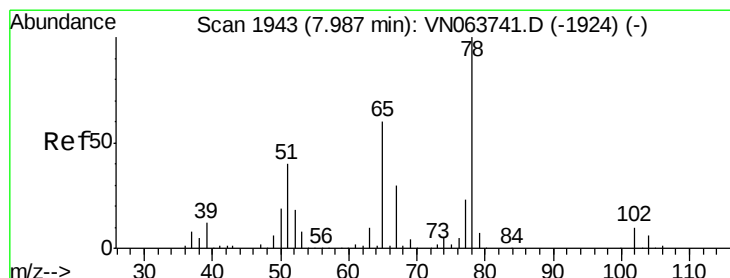
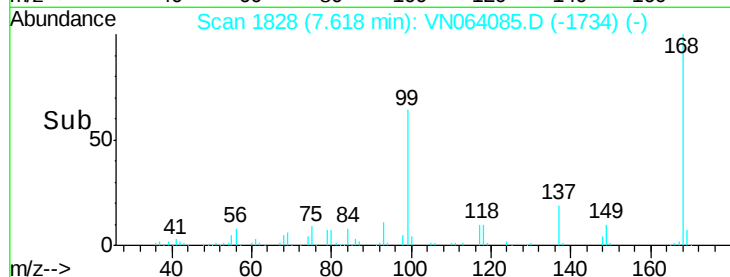
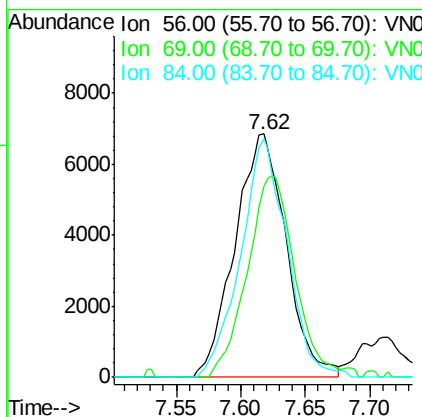
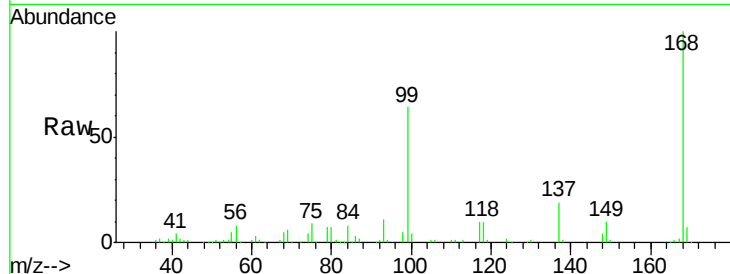
#31
Cyclohexane
Concen: 4.238 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	78.8	25.4	38.2#
84	97.9	63.3	94.9#

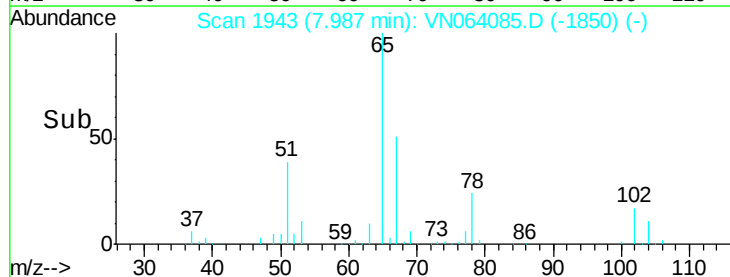
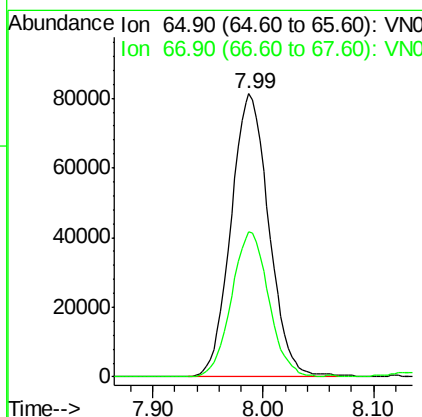
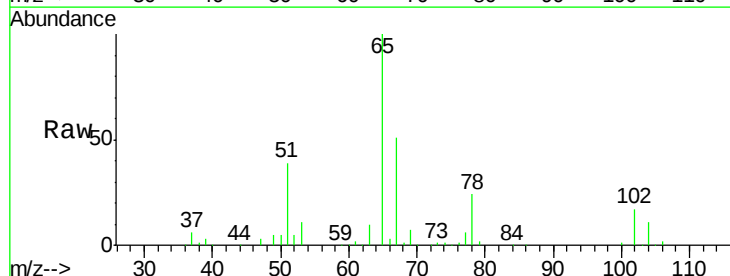
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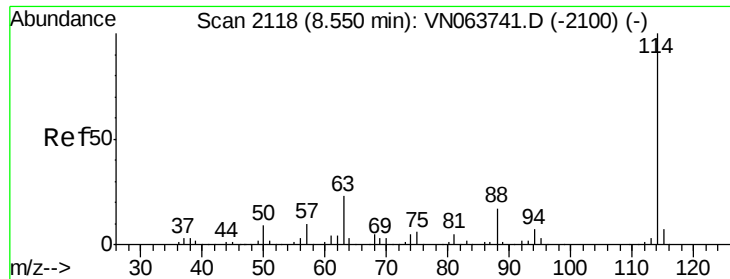
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#33
1,2-Dichloroethane-d4
Concen: 50.226 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.6





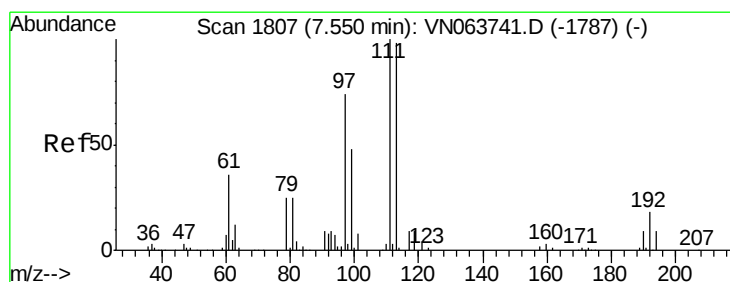
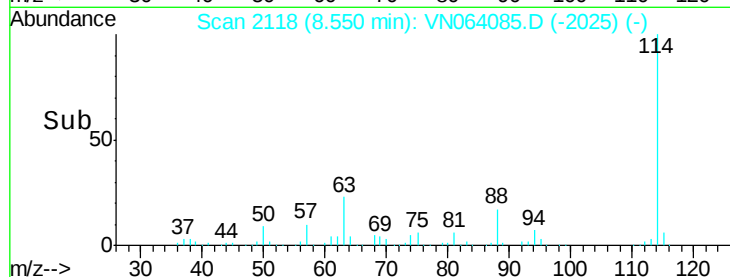
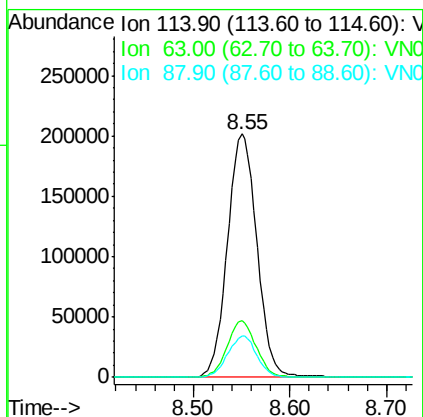
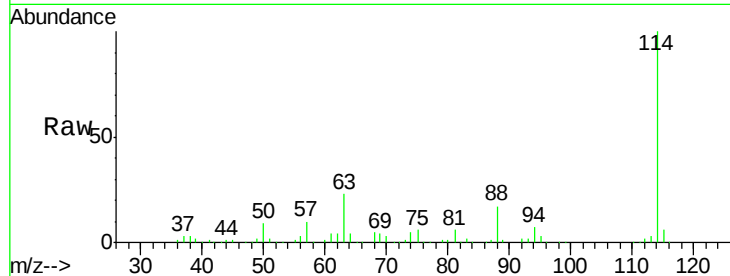
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampled :
MW-08DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	426096		
63	23.4	0.0	45.0	
88	16.8	0.0	34.0	

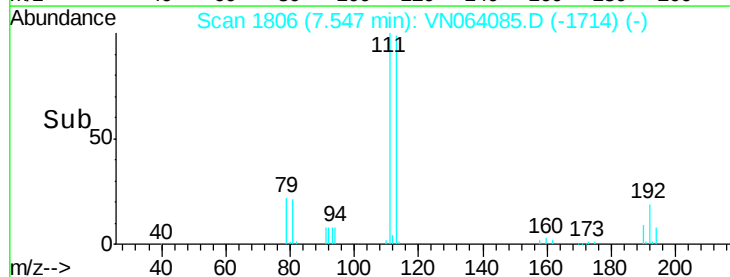
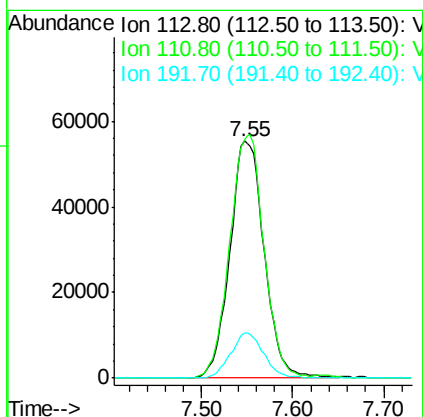
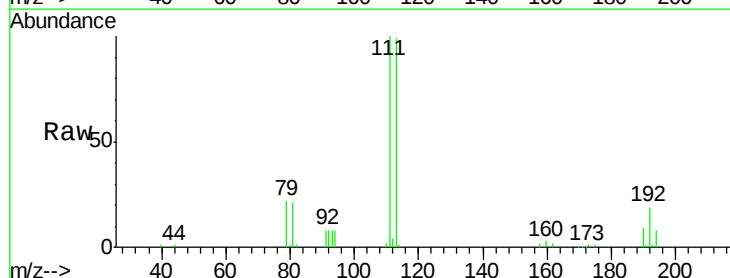
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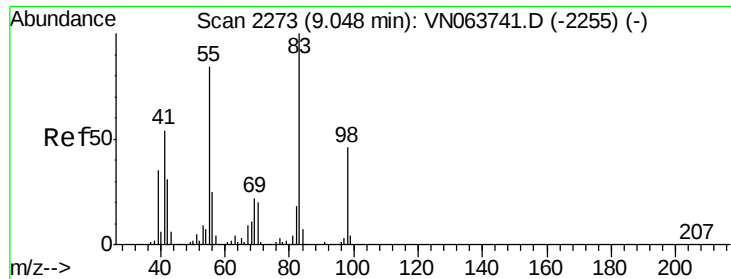
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#35
Dibromofluoromethane
Concen: 49.031 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	144963		
111	102.2	81.8	122.8	
192	18.3	14.2	21.2	





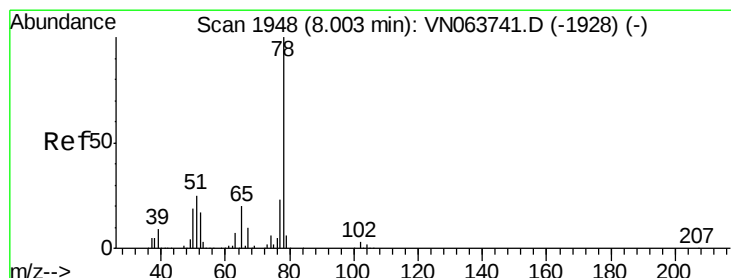
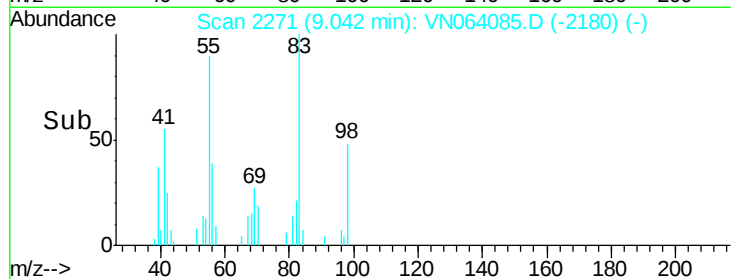
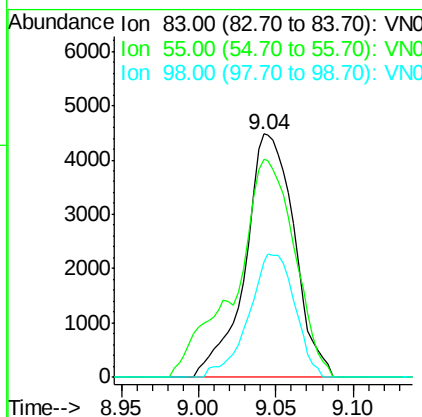
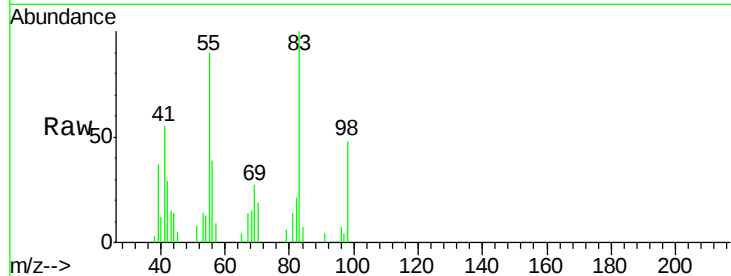
#39
Methvlcvclohexane
Concen: 2.293 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tot Ion	83	Resp	9870
Ion Ratio	100	Lower	Upper
83	100		
55	89.6	67.1	100.7
98	47.5	36.6	54.8

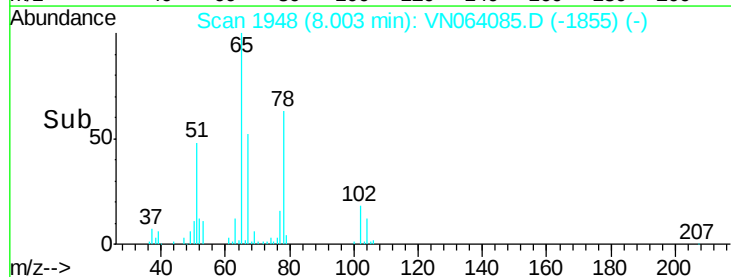
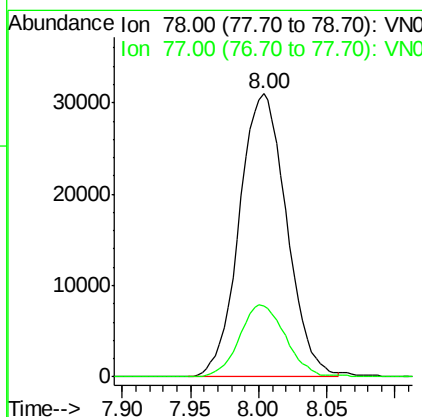
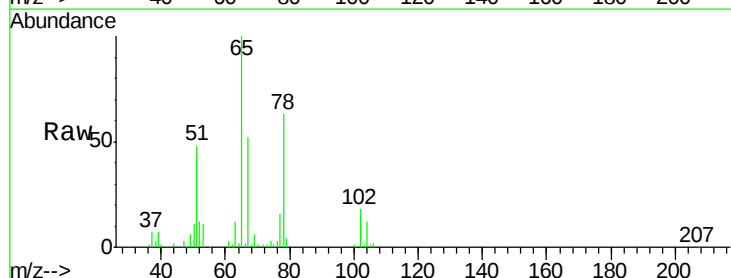
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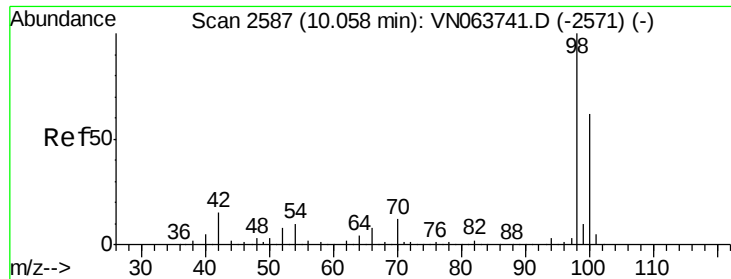
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#40
Benzene
Concen: 6.043 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion	78	Resp	74508
Ion Ratio	100	Lower	Upper
78	100		
77	25.1	18.7	28.1





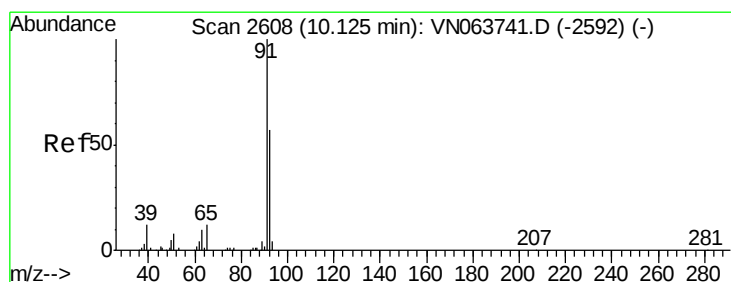
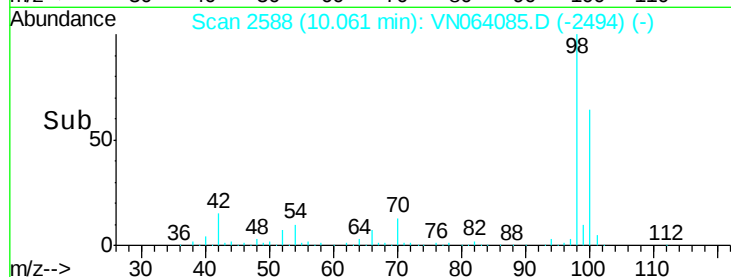
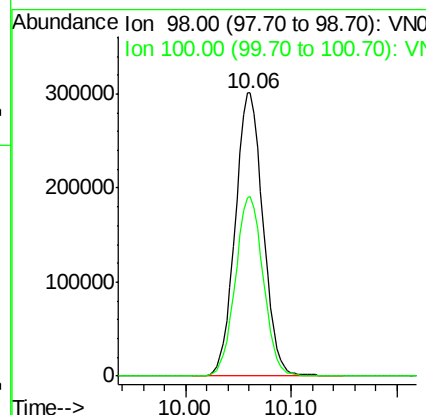
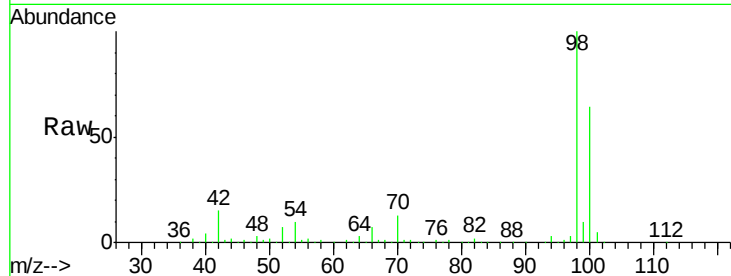
#50
Toluene-d8
Concen: 49.096 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tot Ion: 98 Resp: 550273
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.6

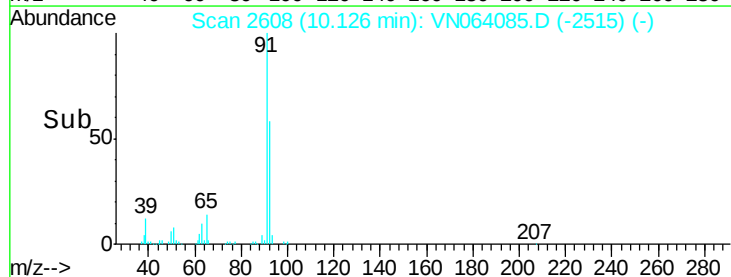
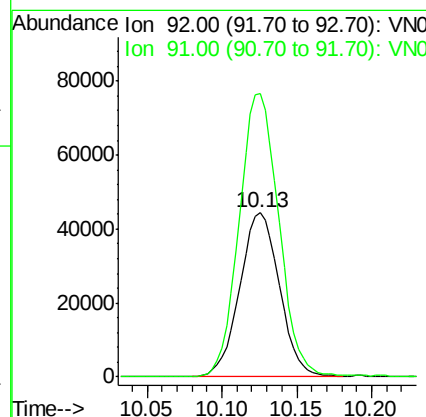
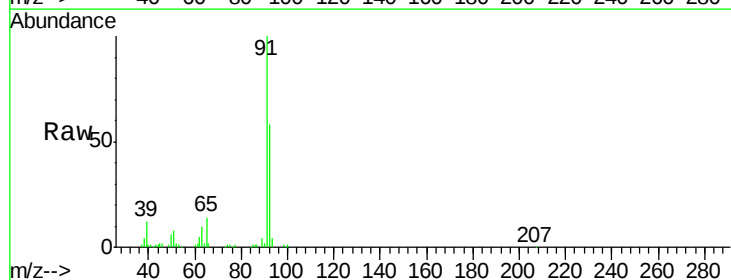
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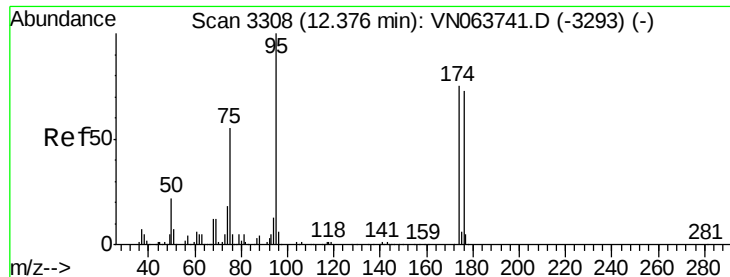
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#52
Toluene
Concen: 10.772 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion: 92 Resp: 82153
Ion Ratio Lower Upper
92 100
91 172.2 140.6 210.8





#62

4-Bromofluorobenzene

Concen: 54.940 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064085.D

Acq: 12 Oct 2020 18:14

Instrument :

MSVOA_N

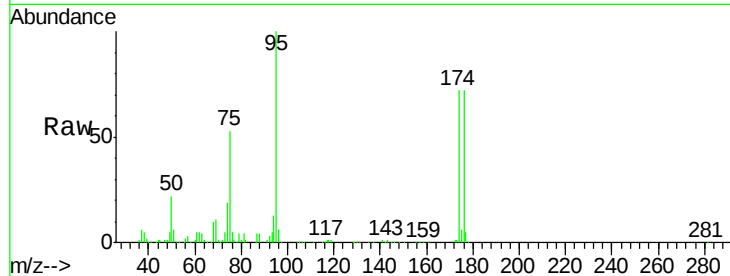
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MW-08DL

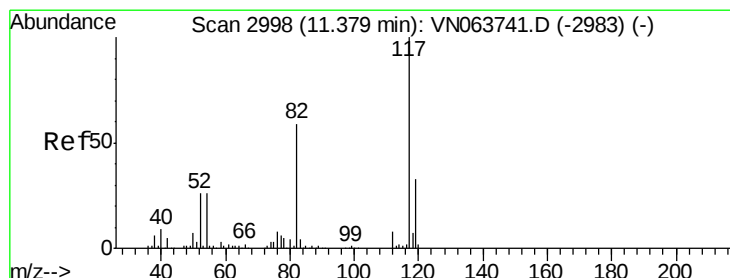
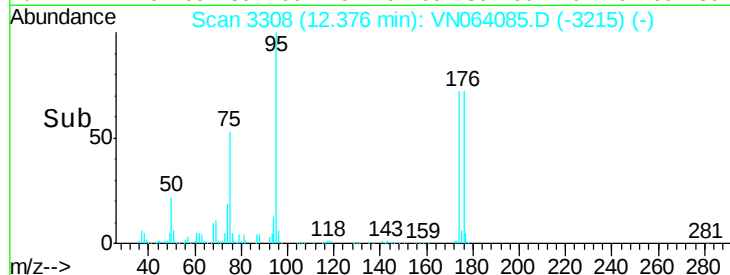
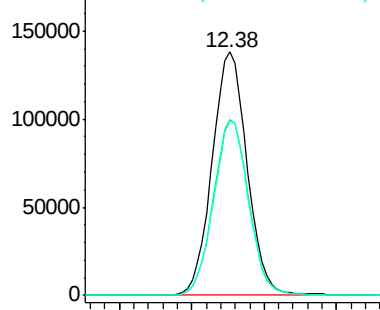
Tot Ion:	95	Resp:	231476
Ion Ratio	Lower	Upper	
95	100		
174	73.5	0.0	150.6
176	71.9	0.0	145.4

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

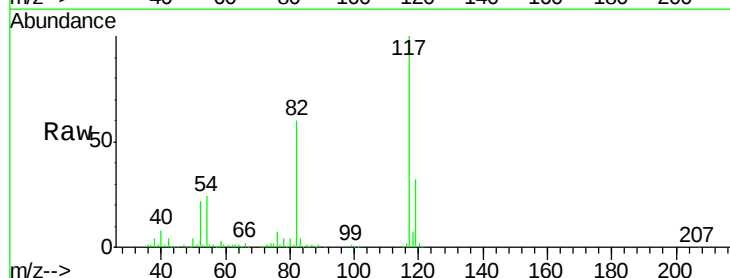
RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

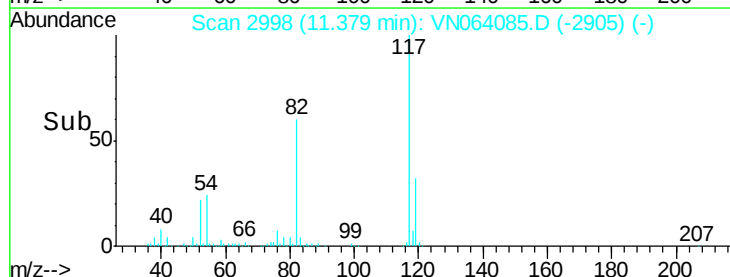
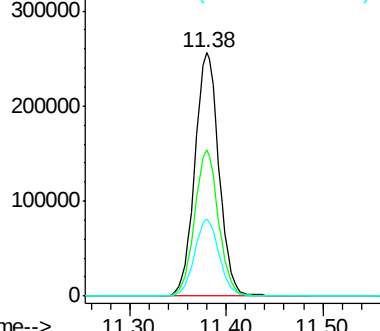
Lab File: VN064085.D

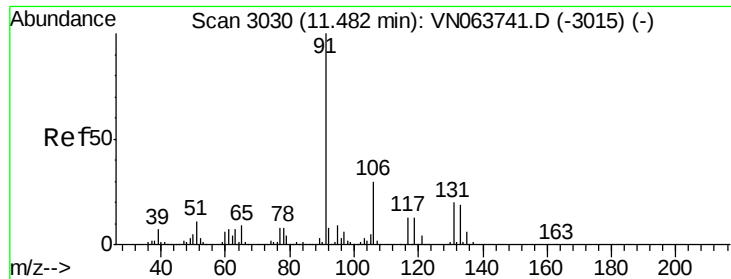
Acq: 12 Oct 2020 18:14

Tgt Ion:	117	Resp:	442896
Ion Ratio	Lower	Upper	
117	100		
82	60.1	47.4	71.2
119	31.5	26.4	39.6



Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)





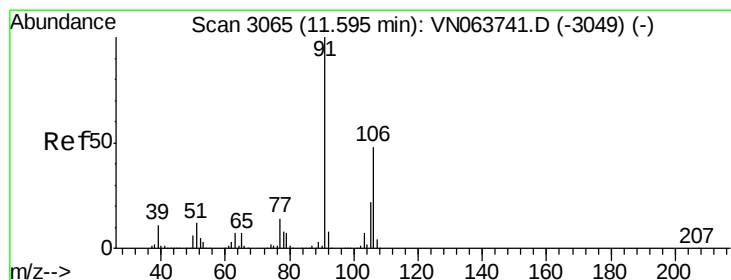
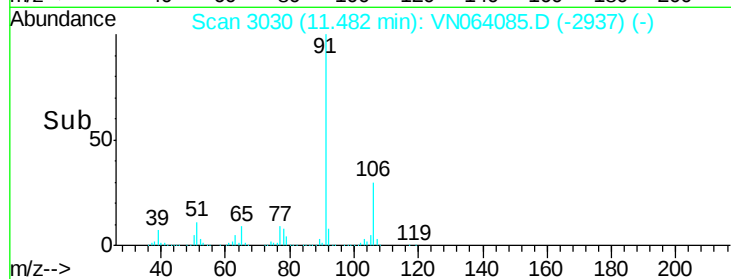
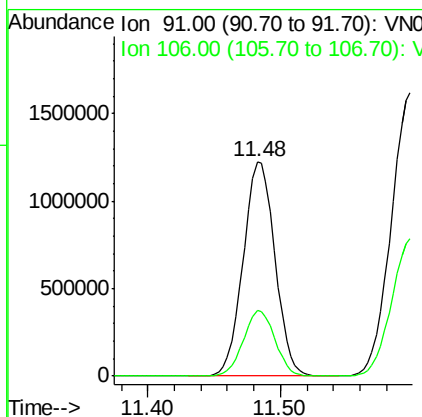
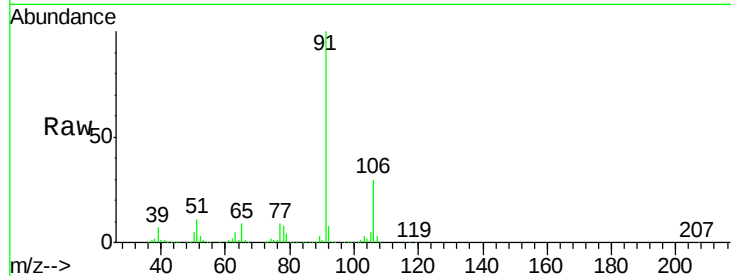
#67
Ethyl Benzene
Concen: 123.468 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tot Ion: 91 Resp: 2041132
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.2

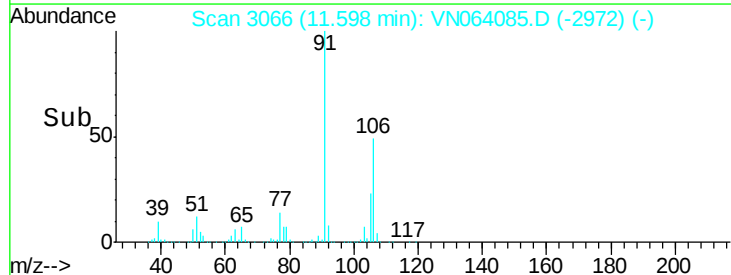
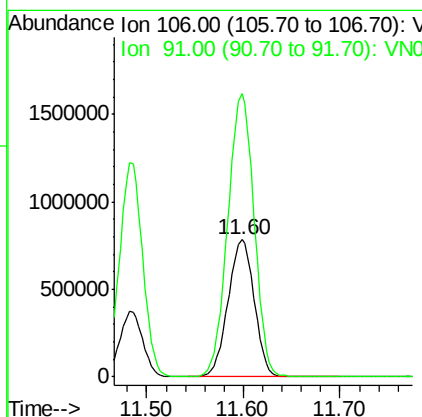
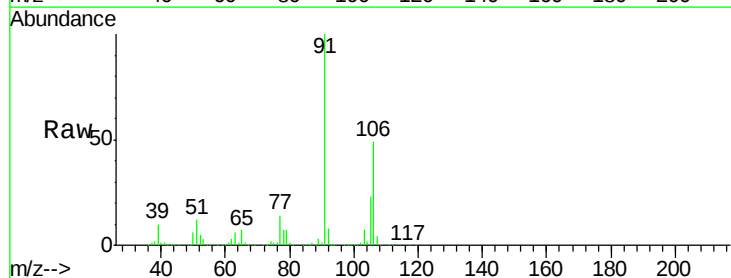
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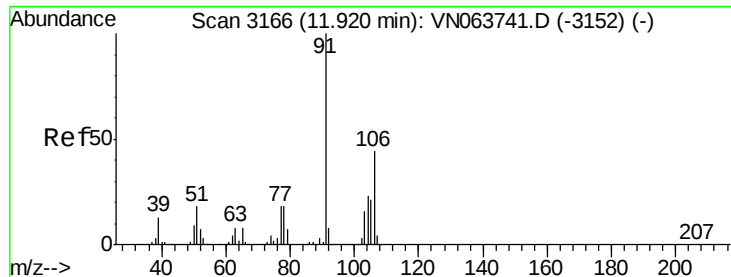
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#68
m/p-Xylenes
Concen: 238.600 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion: 106 Resp: 1470096
Ion Ratio Lower Upper
106 100
91 208.5 168.0 252.0





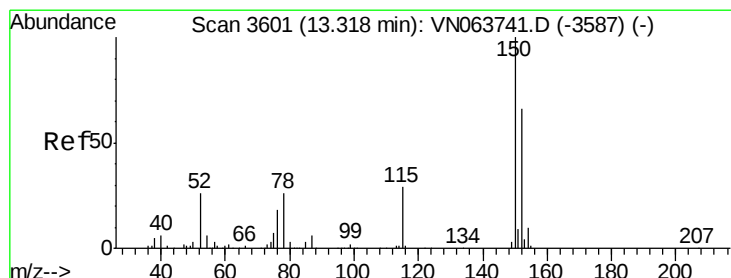
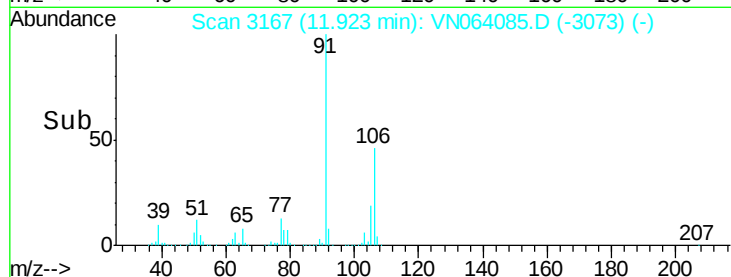
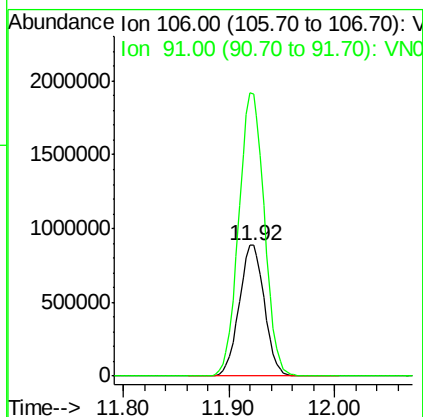
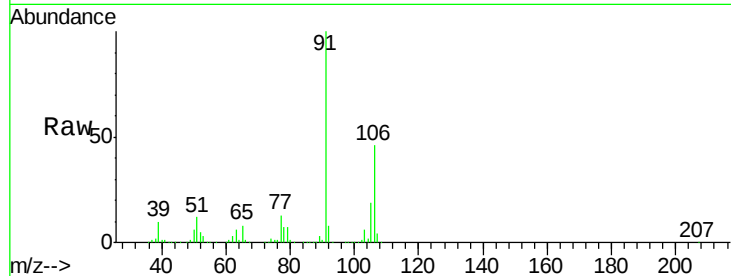
#69
o-Xylene
Concen: 254.801 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampled :
MW-08DL

Tot Ion:106 Resp: 1467346
Ion Ratio Lower Upper
106 100
91 219.8 112.7 338.0

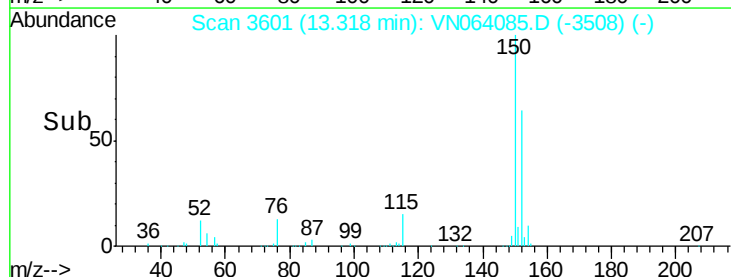
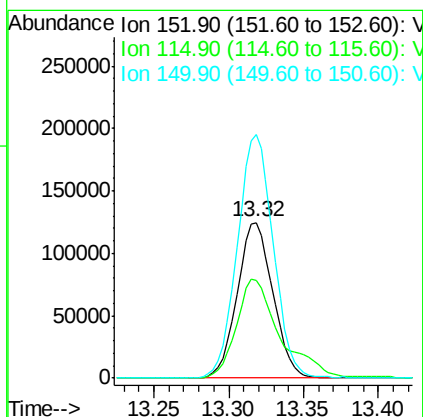
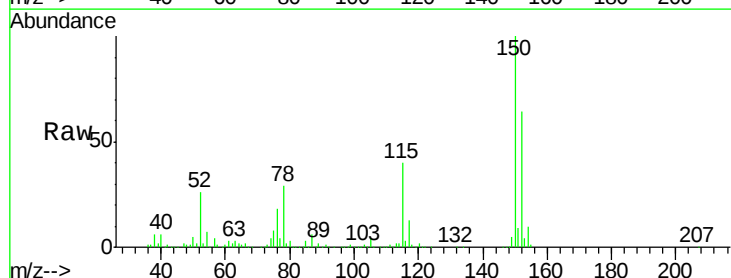
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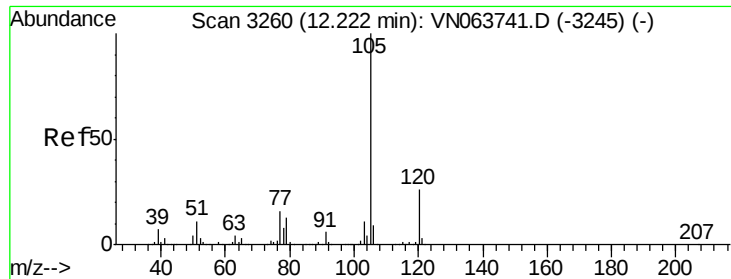
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion:152 Resp: 207085
Ion Ratio Lower Upper
152 100
115 76.2 31.3 93.8
150 157.3 0.0 341.8





#73

Isopropylbenzene

Concen: 5.473 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064085.D

Acq: 12 Oct 2020 18:14

Instrument :

MSVOA_N

ClientSampleId :

MW-08DL

Tot Ion: 105 Resp: 82672

Ion Ratio Lower Upper

105 100

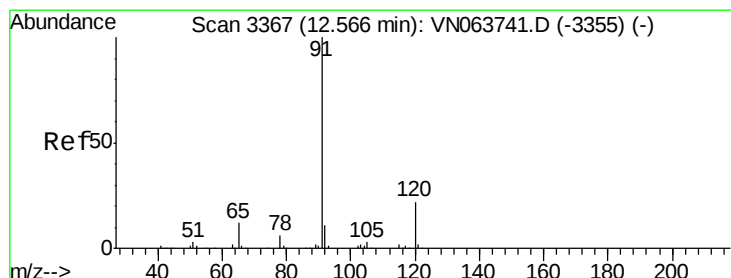
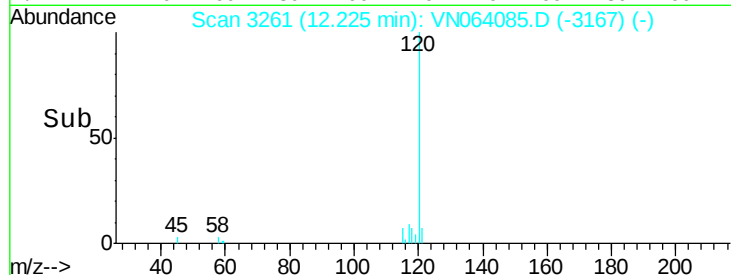
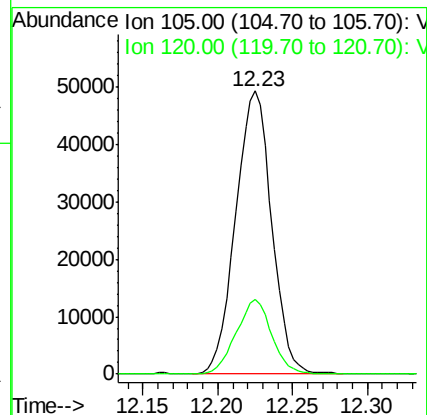
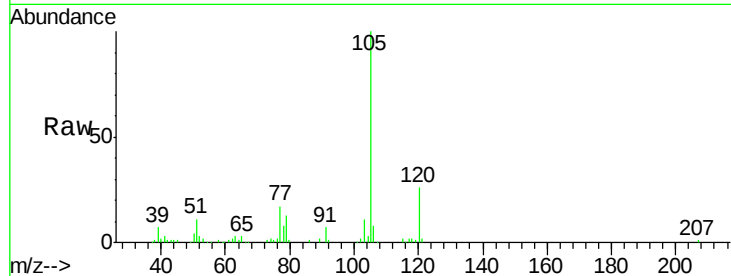
120 26.0 12.6 37.8

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#78

n-propylbenzene

Concen: 12.166 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064085.D

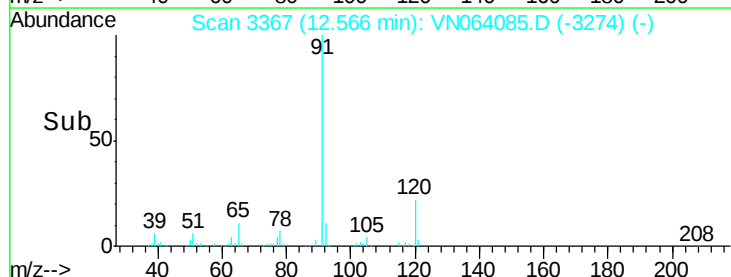
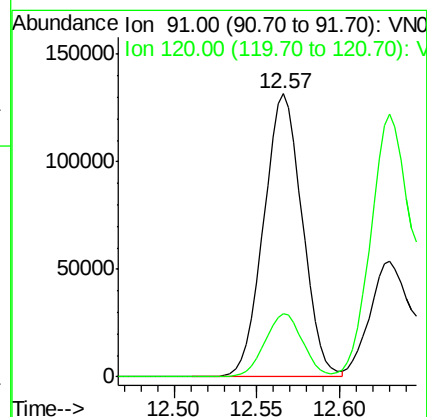
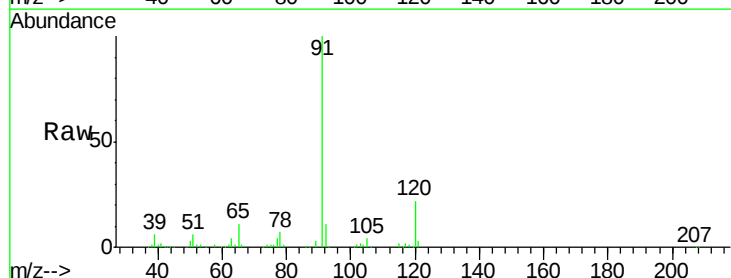
Acq: 12 Oct 2020 18:14

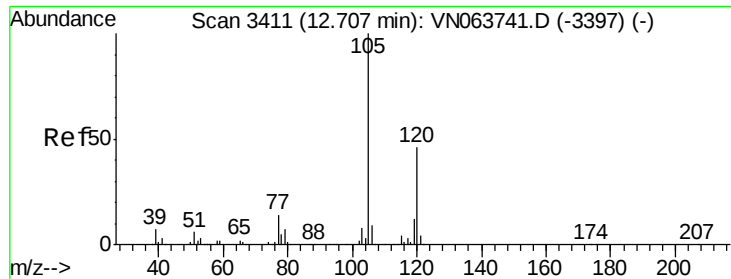
Tgt Ion: 91 Resp: 213871

Ion Ratio Lower Upper

91 100

120 21.9 11.1 33.1





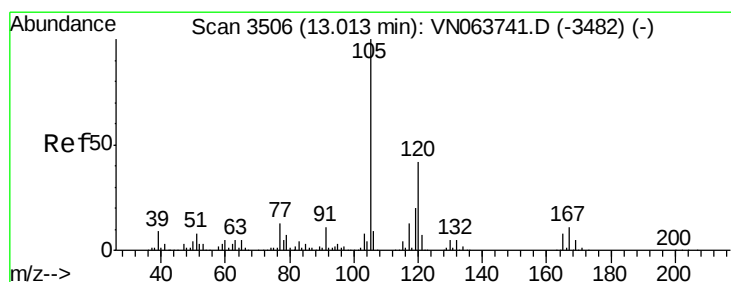
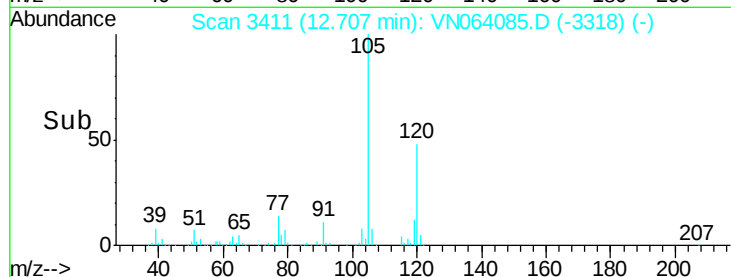
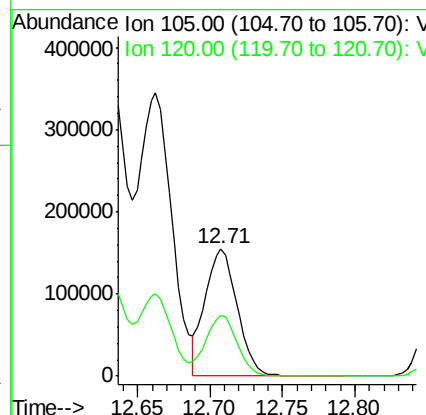
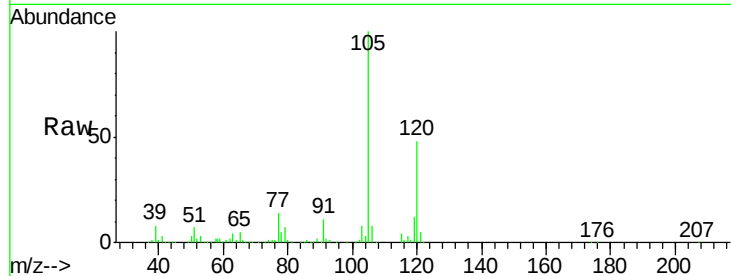
#80
 1,3,5-Trimethylbenzene
 Concen: 18.834 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064085.D
 Acq: 12 Oct 2020 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08DL

Tot Ion:105 Resp: 238669
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.3 69.9

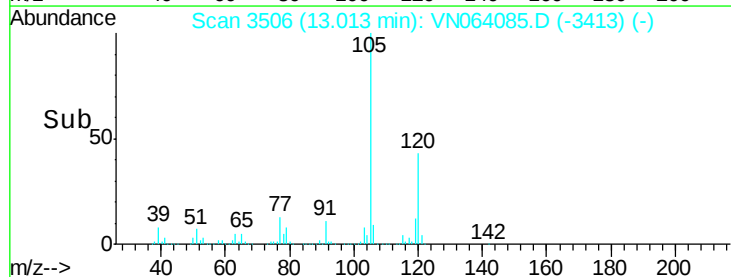
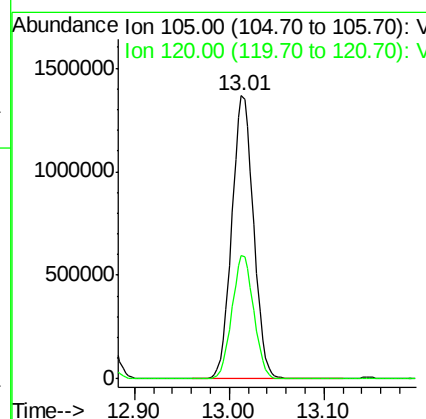
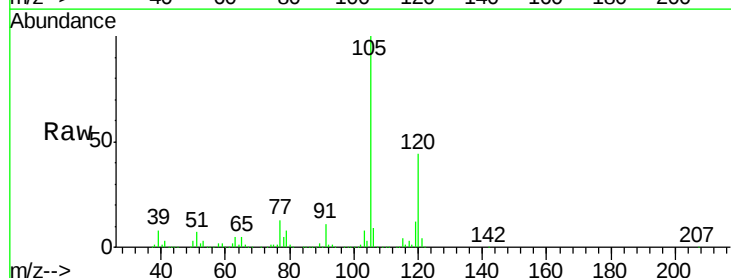
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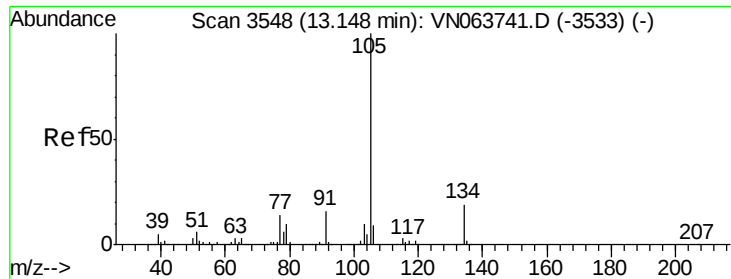
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#84
 1,2,4-Trimethylbenzene
 Concen: 172.130 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064085.D
 Acq: 12 Oct 2020 18:14

Tgt Ion:105 Resp: 2177751
 Ion Ratio Lower Upper
 105 100
 120 43.7 20.9 62.7





#85

sec-Butylbenzene

Concen: 0.725 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064085.D

Acq: 12 Oct 2020 18:14

Instrument :

MSVOA_N

ClientSampled :

MW-08DL

Tot Ion:105 Resp: 9870

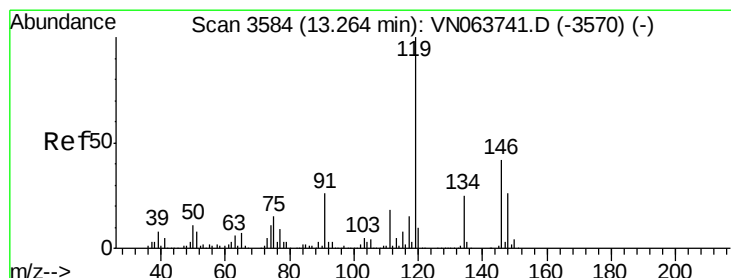
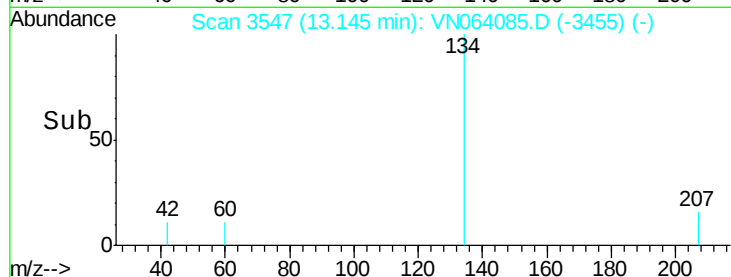
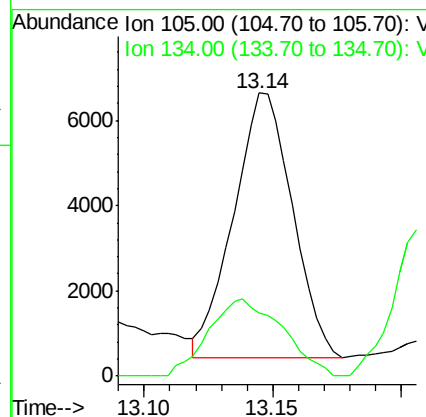
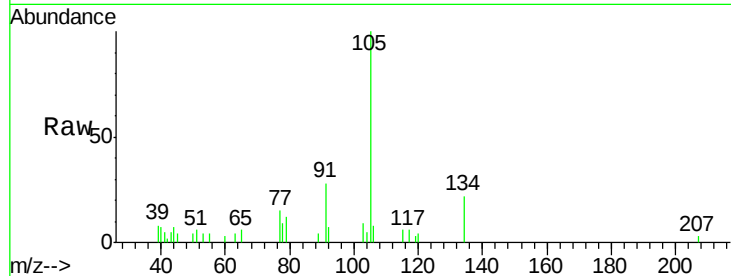
Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#

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#86

p-Isopropyltoluene

Concen: 0.496 ug/l m

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064085.D

Acq: 12 Oct 2020 18:14

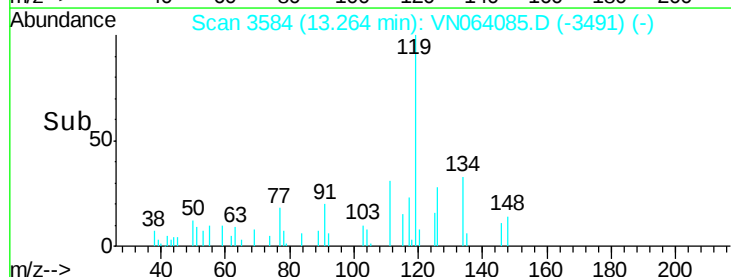
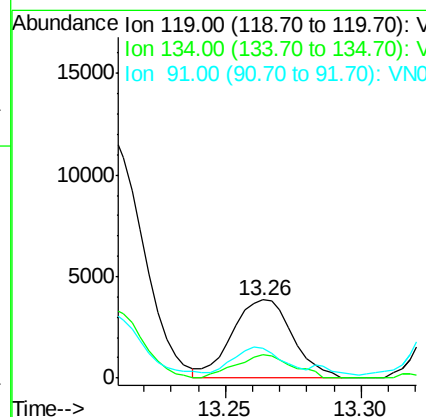
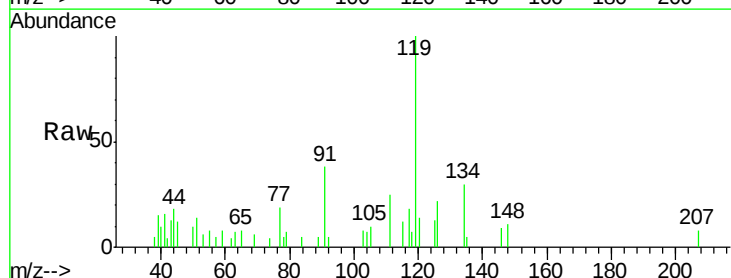
Tgt Ion:119 Resp: 5969

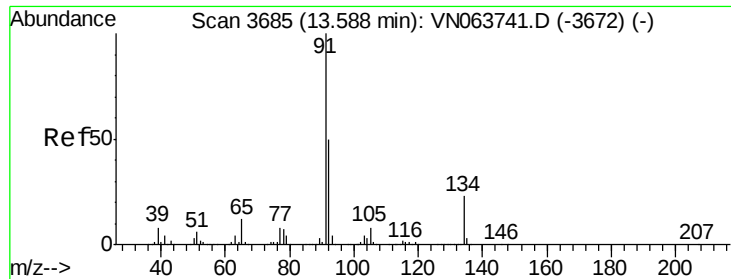
Ion Ratio Lower Upper

119 100

134 88.6 12.6 37.8#

91 0.0 13.4 40.2#





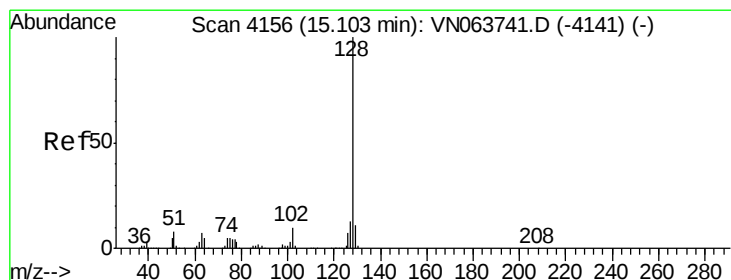
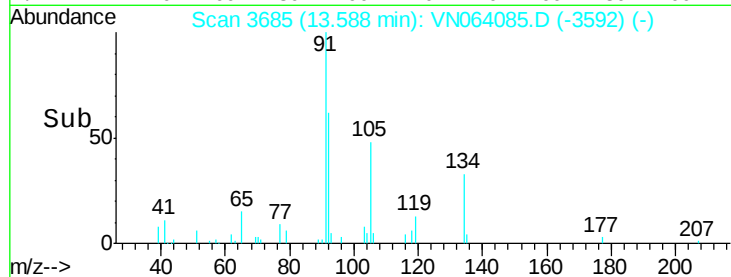
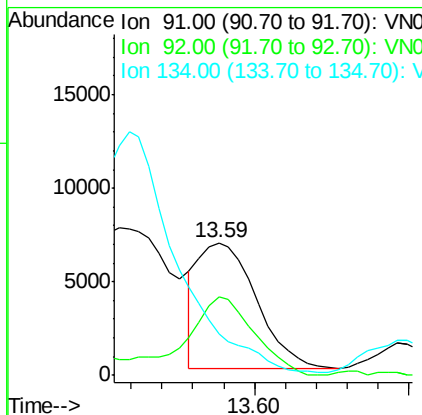
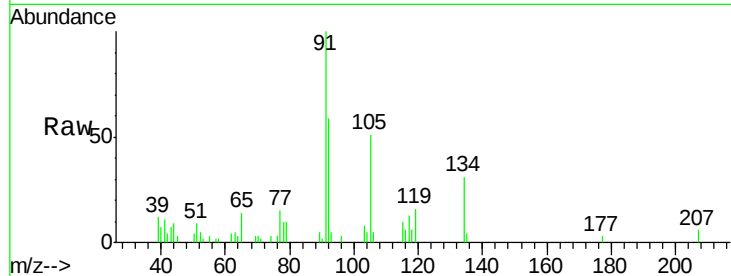
#89
n-Butylbenzene
Concen: 0.793 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.0	25.4	76.4
134	0.0	11.7	35.1#

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#95
Naphthalene
Concen: 50.451 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064085.D
Acq: 12 Oct 2020 18:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.7	8.7	13.1

