

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070920\
 Data File : VN062452.D
 Acq On : 9 Jul 2020 13:04
 Operator : JC/MD
 Sample : L3215-16DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 9:23:51 AM

Quant Time: Jul 09 13:26:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	376878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	365517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	155781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163588	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
35) Dibromofluoromethane	7.55	113	121228	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
50) Toluene-d8	10.06	98	492399	53.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.38	95	192254	57.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.42%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.05	83	17036	4.203	ug/l	93
40) Benzene	8.00	78	155349	13.882	ug/l	97
52) Toluene	10.12	92	15489	2.396	ug/l	97
67) Ethyl Benzene	11.48	91	349018	26.174	ug/l	99
68) m/p-Xylenes	11.59	106	539737	114.337	ug/l	98
69) o-Xylene	11.92	106	54849	11.934	ug/l	98
73) Isopropylbenzene	12.22	105	35147	2.916	ug/l	99
78) n-propylbenzene	12.57	91	79452	5.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	145735	14.747	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	597481	60.827	ug/l	99
85) sec-Butylbenzene	13.15	105	5331m	0.480	ug/l	
86) p-Isopropyltoluene	13.26	119	2482	0.259	ug/l #	70
95) Naphthalene	15.10	128	213781	37.250	ug/l	99

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

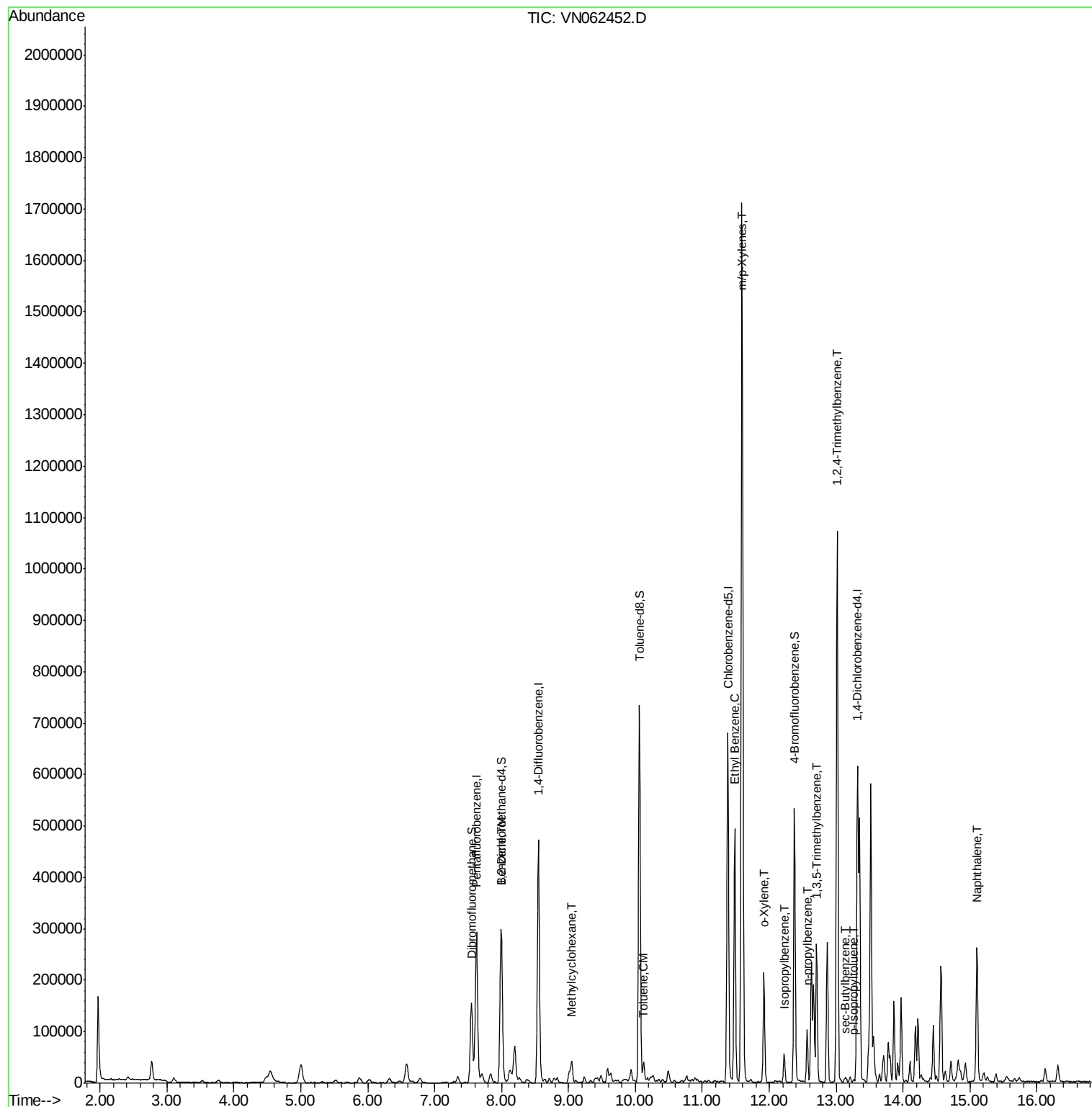
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070920\
Data File : VN062452.D
Acq On : 9 Jul 2020 13:04
Operator : JC/MD
Sample : L3215-16DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

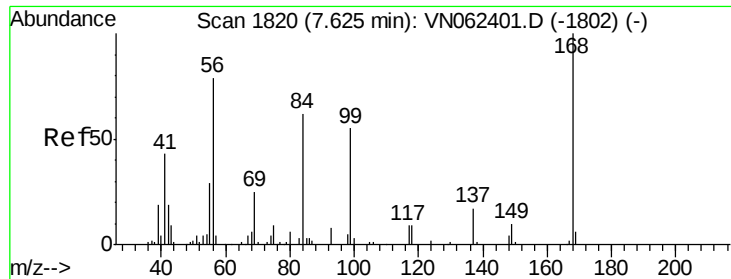
Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

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Quant Time: Jul 09 13:26:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

Tot Ion:168 Resp: 209058

Ion Ratio Lower Upper

168 100

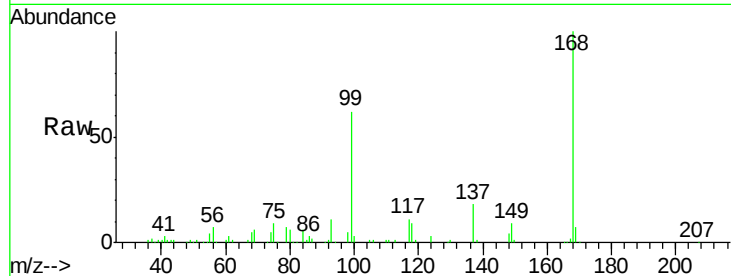
99 62.4 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

40000

20000

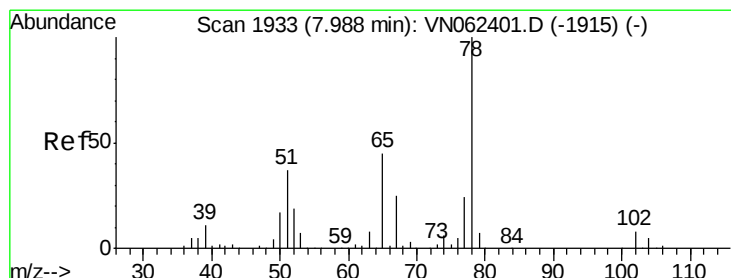
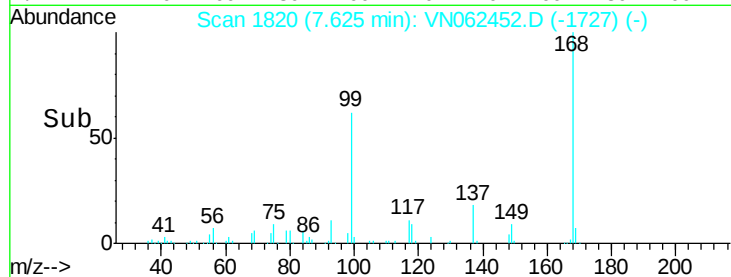
0

7.50

7.60

7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.874 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062452.D

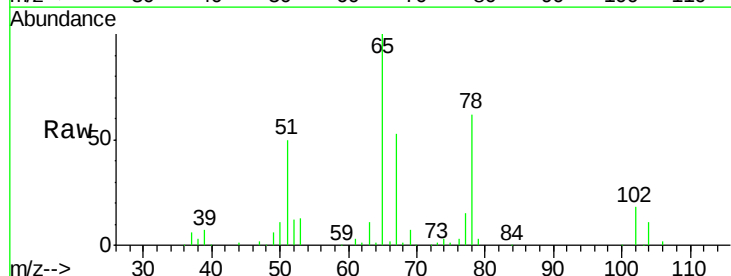
Acq: 9 Jul 2020 13:04

Tgt Ion: 65 Resp: 163588

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

7.99

80000

60000

40000

20000

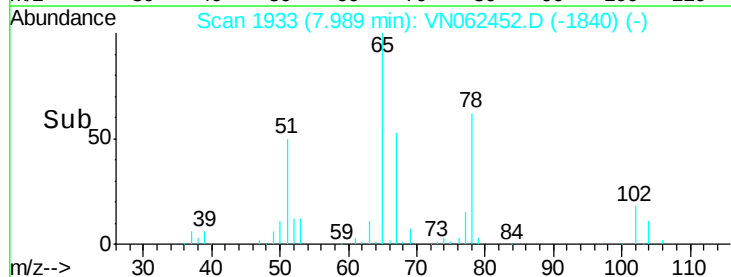
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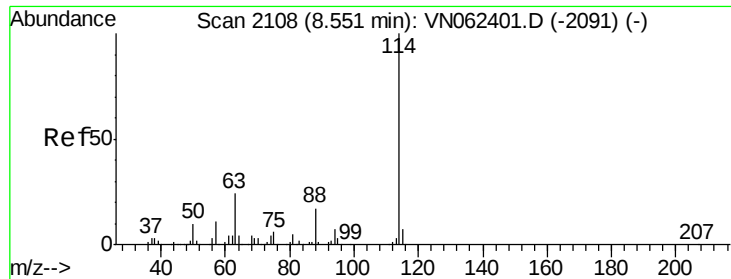
7.90

8.00

8.10

Time-->





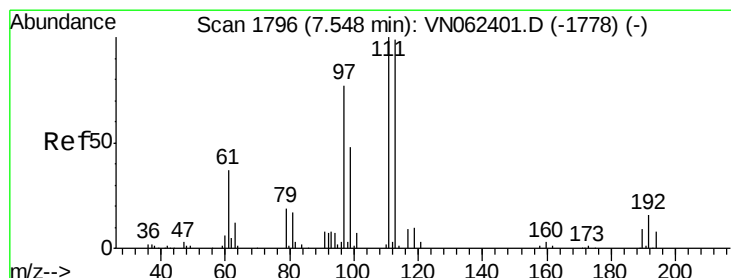
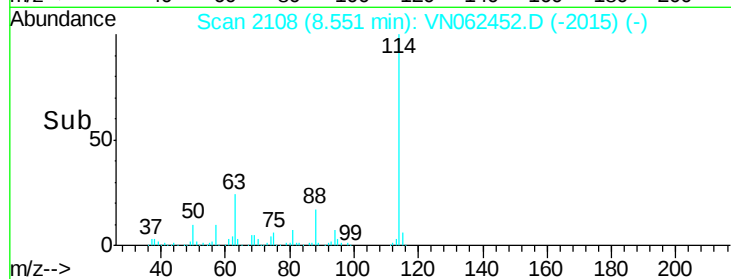
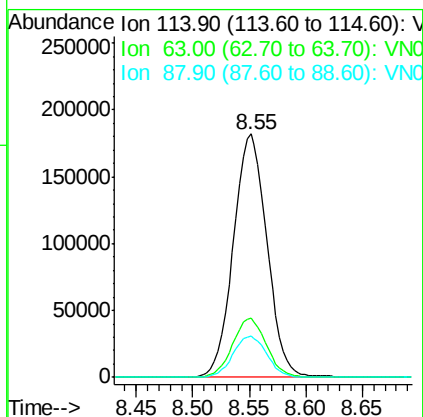
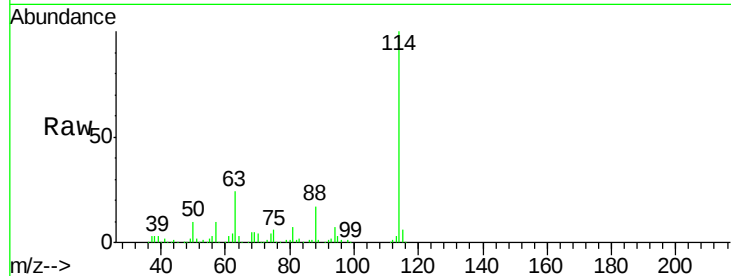
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.1	0.0	48.4
88	16.9	0.0	33.8

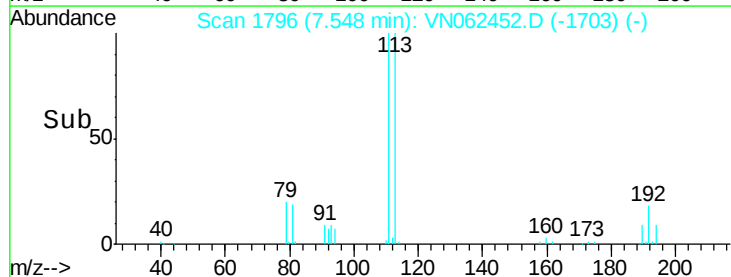
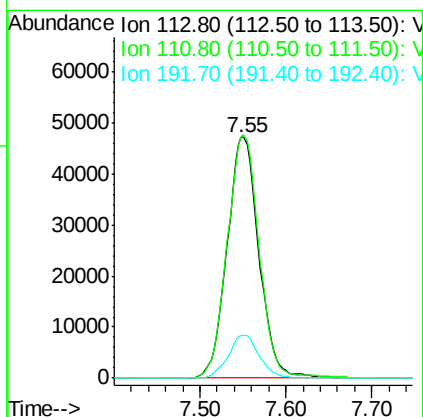
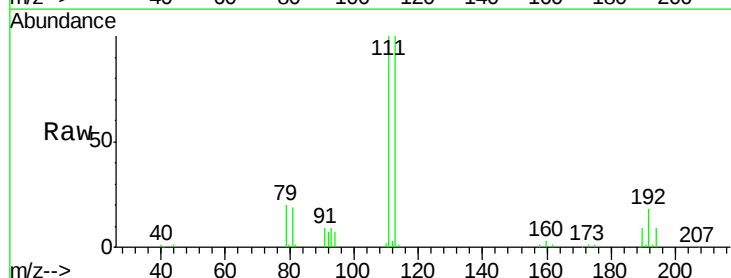
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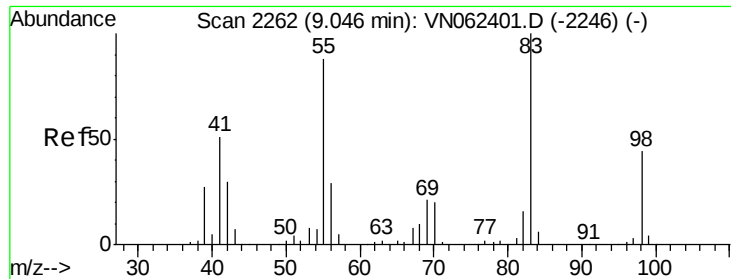
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#35
 Dibromofluoromethane
 Concen: 52.038 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	100.6	83.1	124.7
192	17.2	14.1	21.1





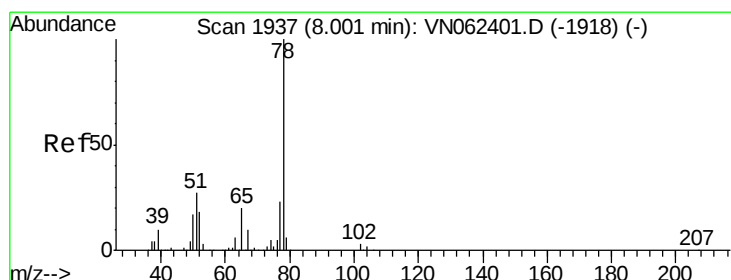
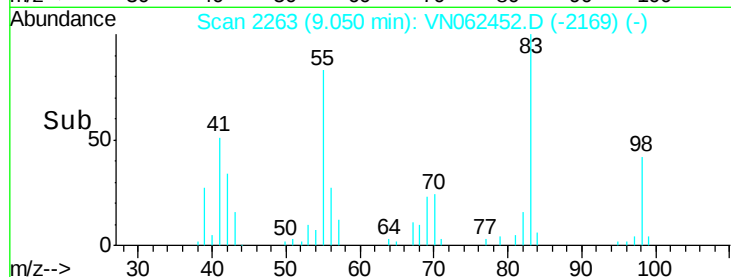
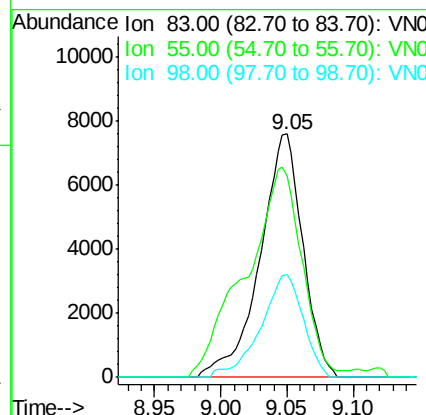
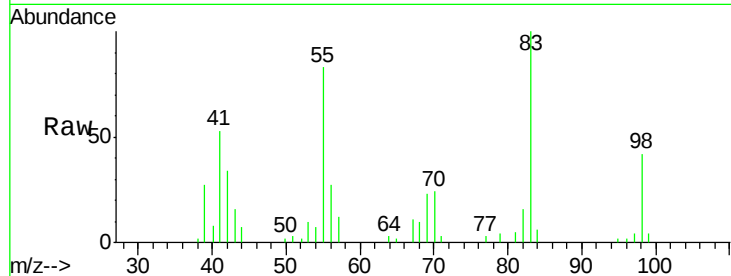
#39
Methvlcvclohexane
Concen: 4.203 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
MW-2DL

Tot Ion	83.00	Resp:	17036
Ion	Ratio	Lower	Upper
83	100		
55	80.4	70.5	105.7
98	42.0	35.5	53.3

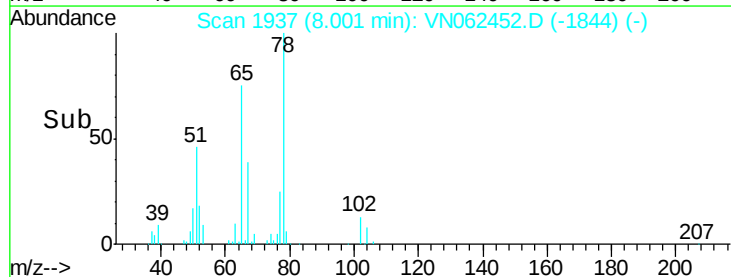
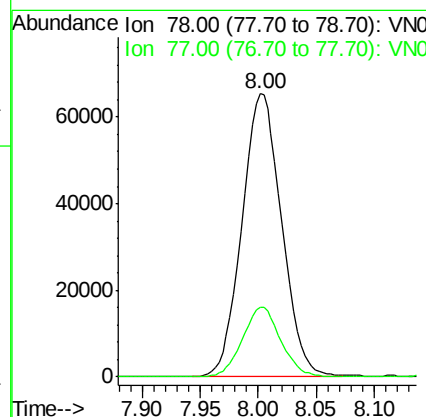
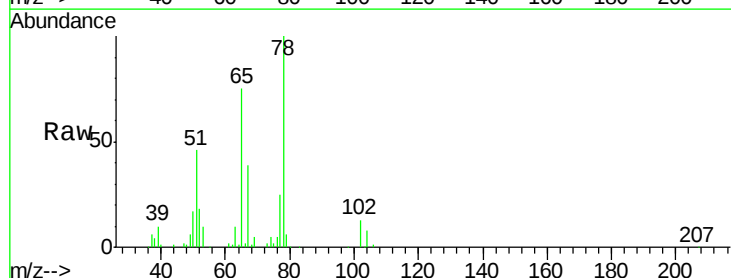
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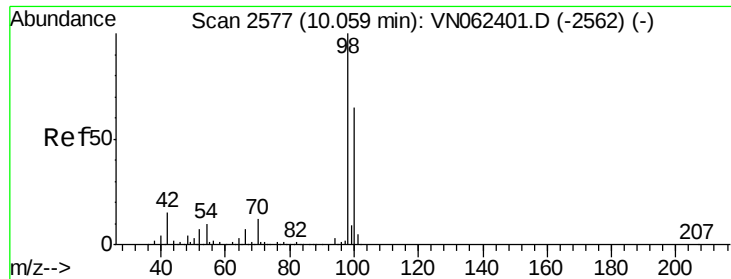
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#40
Benzene
Concen: 13.882 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion	78.00	Resp:	155349
Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.7	28.1





#50

Toluene-d8

Concen: 53.541 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

Tot Ion: 98 Resp: 492399

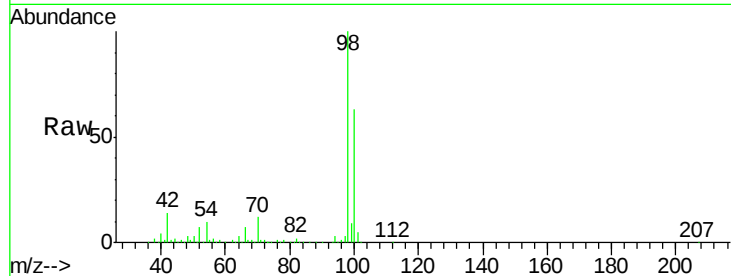
Ion Ratio Lower Upper

98 100

100 63.5 51.5 77.3

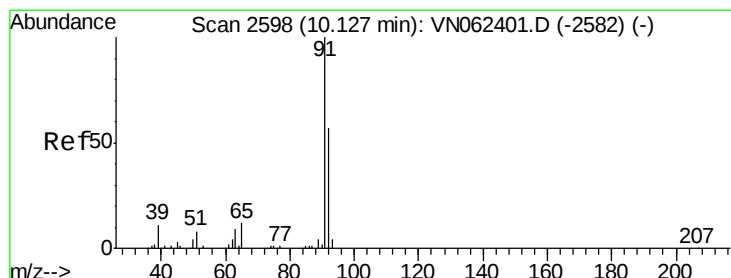
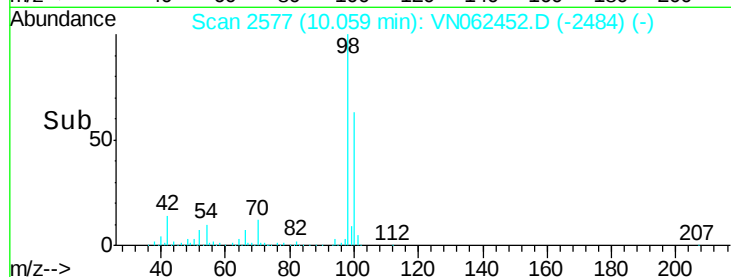
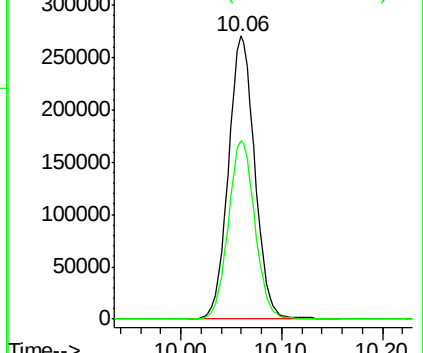
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 2.396 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062452.D

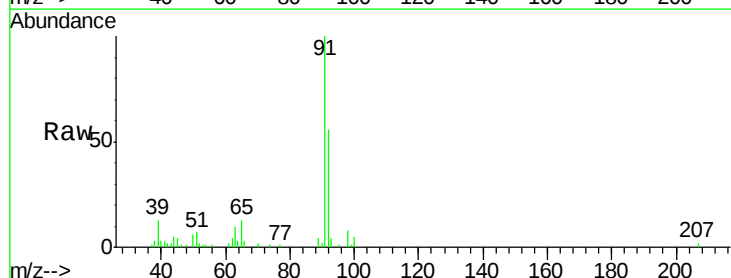
Acq: 9 Jul 2020 13:04

Tgt Ion: 92 Resp: 15489

Ion Ratio Lower Upper

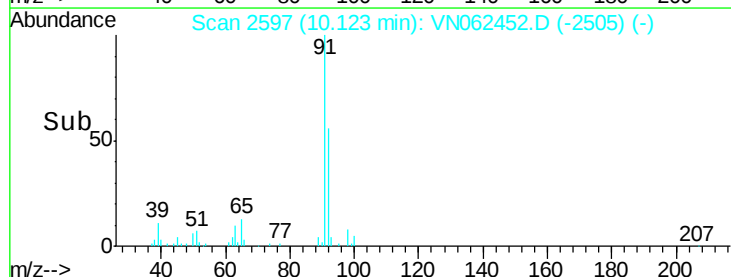
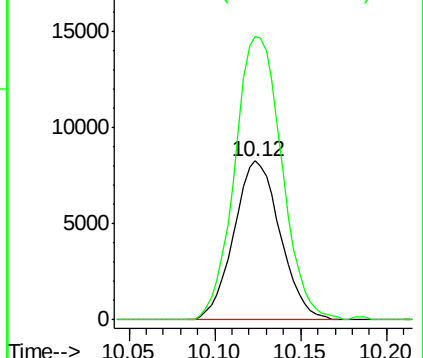
92 100

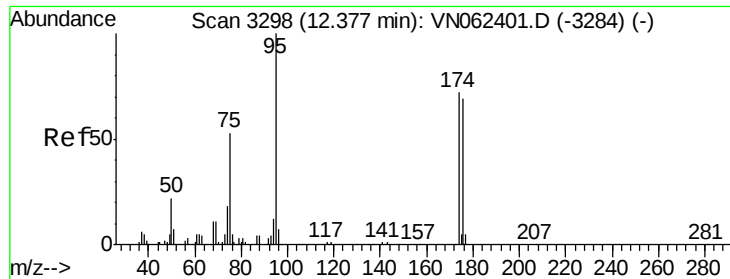
91 180.9 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





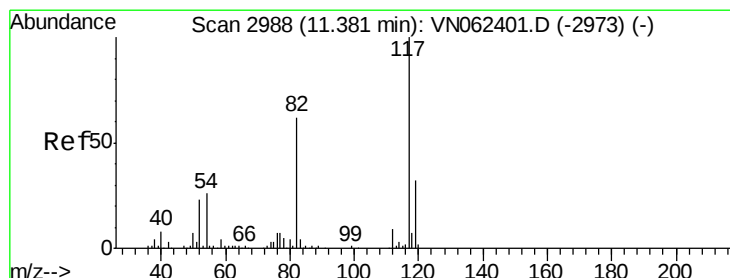
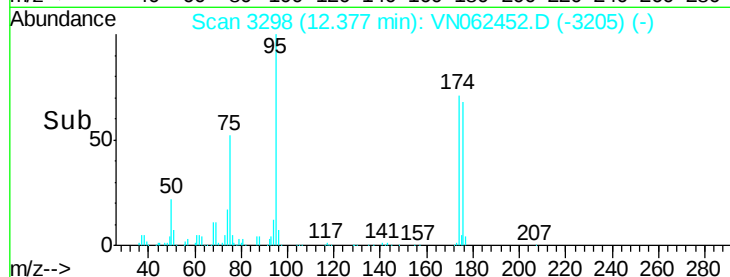
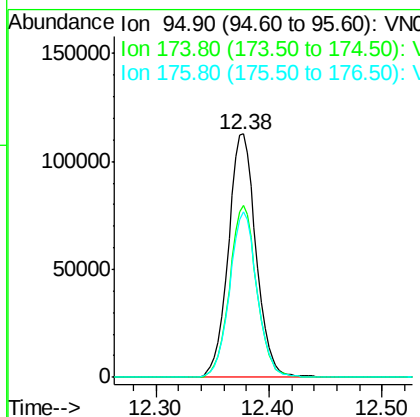
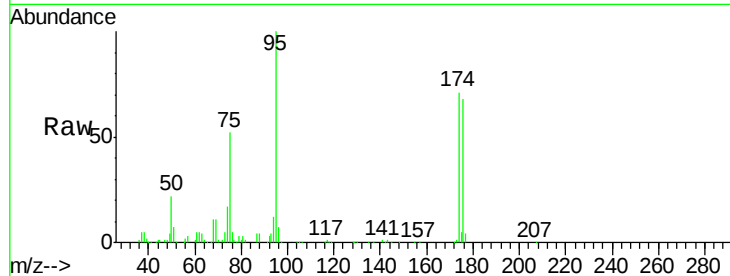
#62
 4-Bromofluorobenzene
 Concen: 57.206 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	192254		
174	69.1	0.0	141.6	
176	67.1	0.0	137.2	

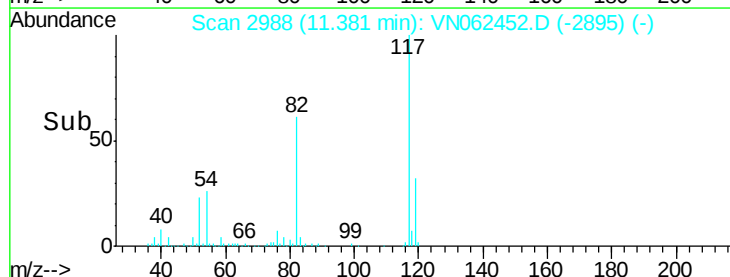
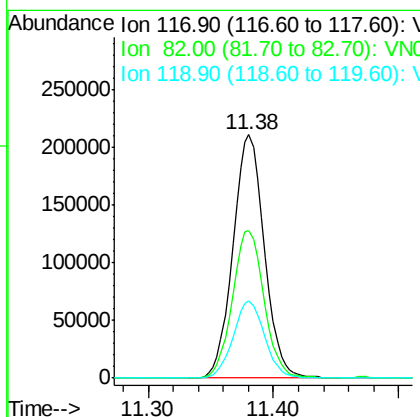
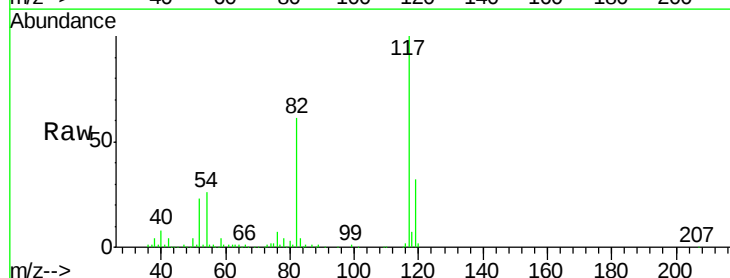
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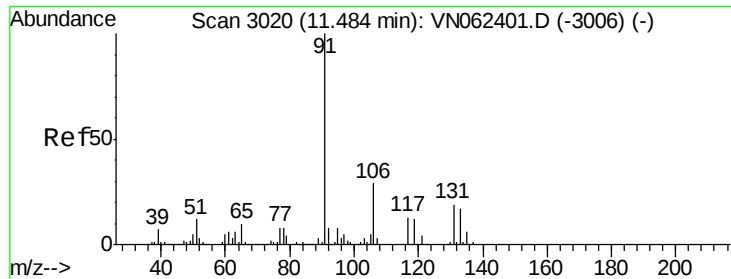
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	365517		
82	60.8	49.6	74.4	
119	31.6	25.4	38.0	





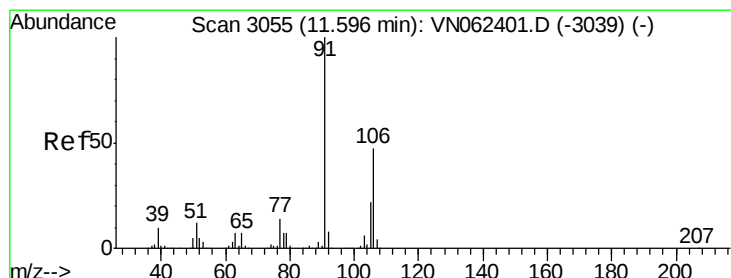
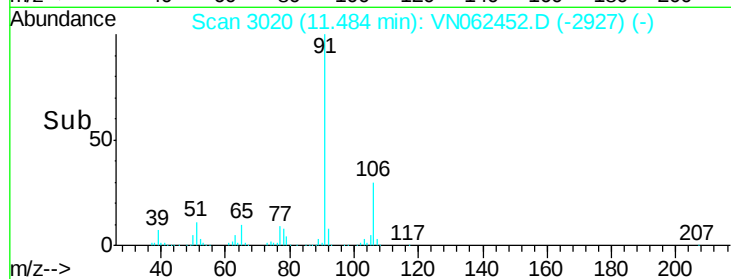
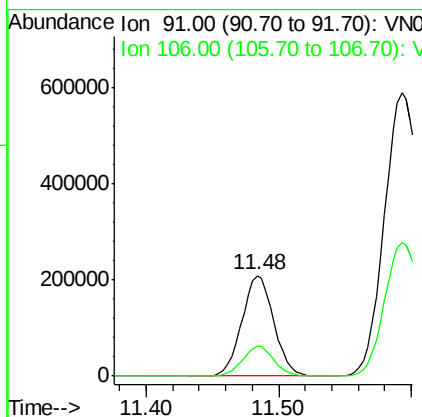
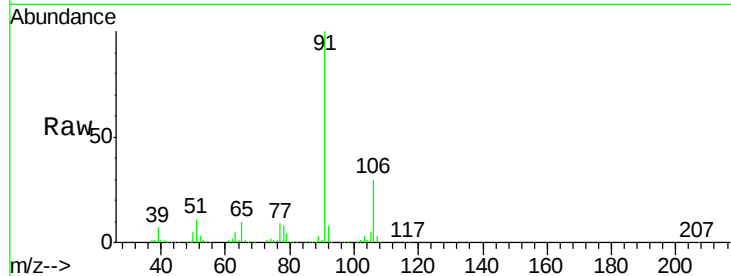
#67
Ethyl Benzene
Concen: 26.174 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
MW-2DL

Tot Ion: 91 Resp: 349018
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2

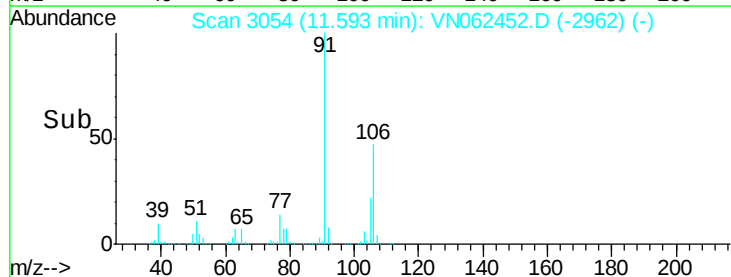
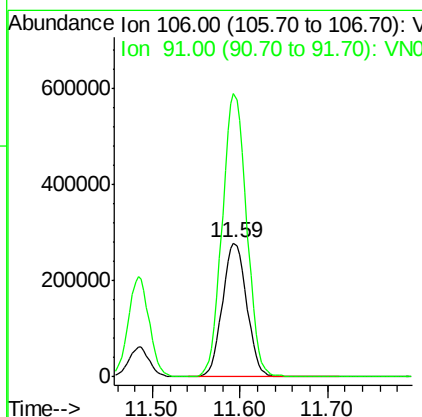
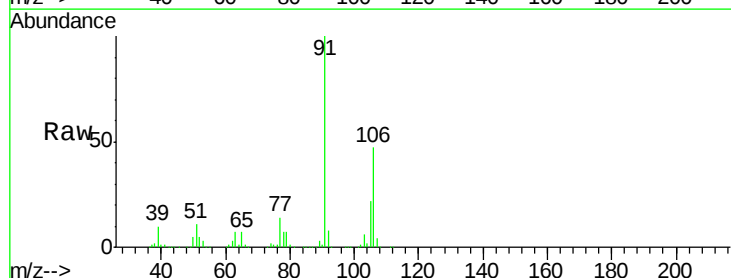
Manual Integrations
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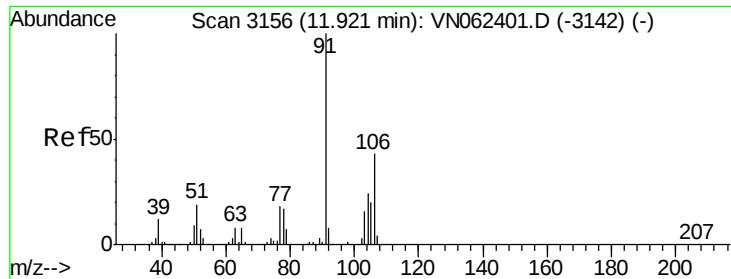
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#68
m/p-Xylenes
Concen: 114.337 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion: 106 Resp: 539737
Ion Ratio Lower Upper
106 100
91 211.8 172.4 258.6





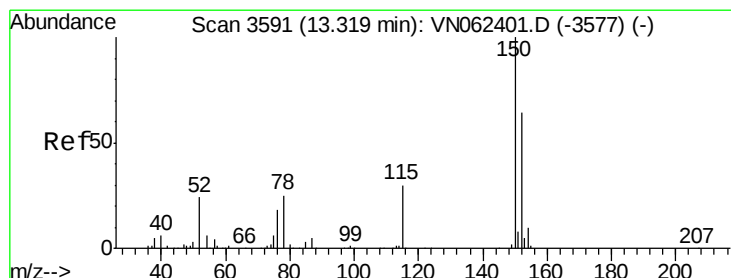
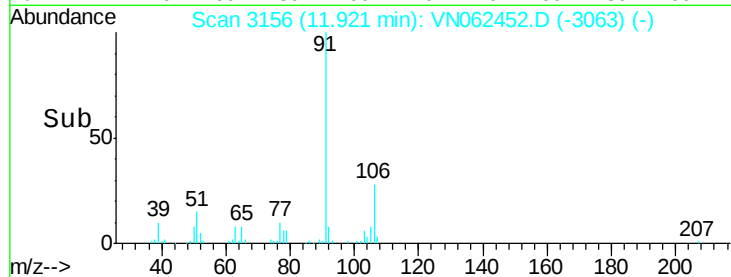
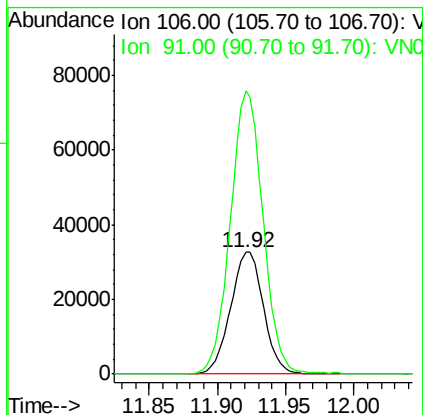
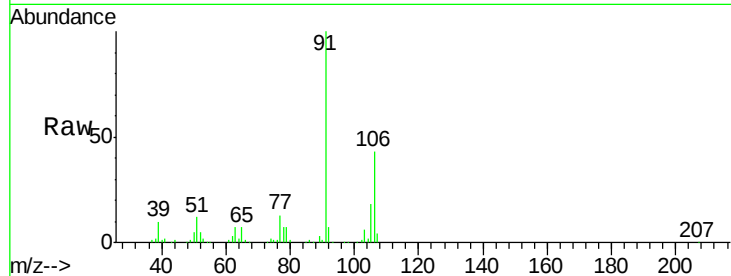
#69
o-Xylene
Concen: 11.934 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
MW-2DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	230.1	113.8	341.4

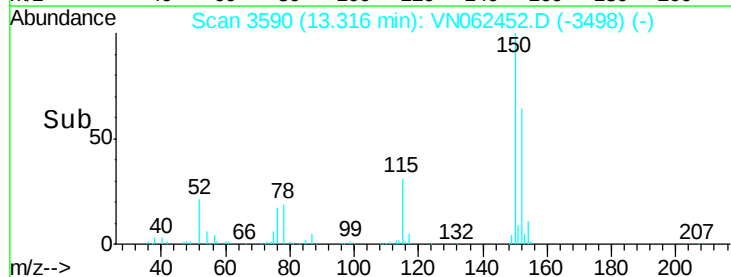
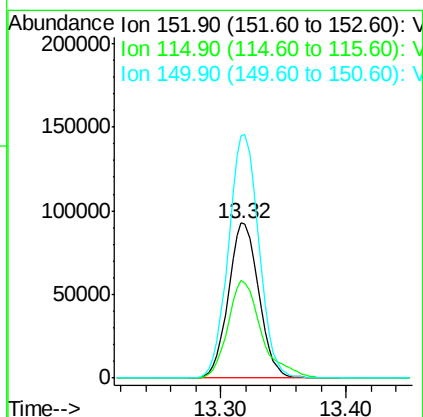
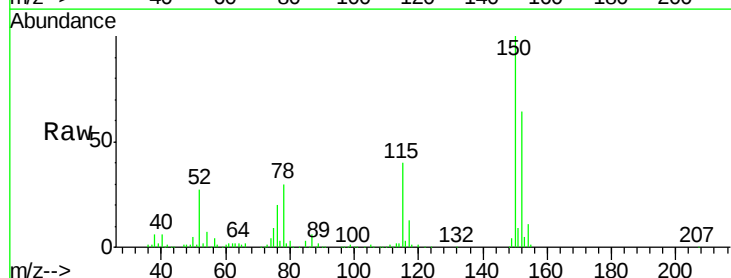
Manual Integrations
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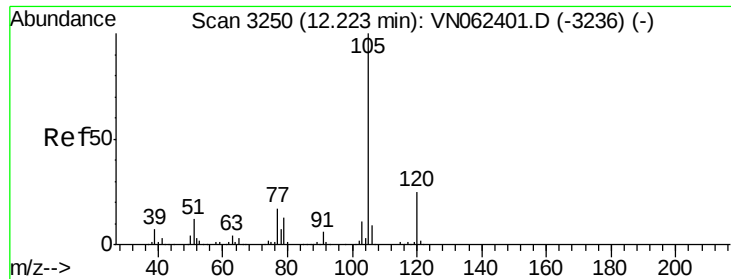
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. -0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.8	31.4	94.2
150	157.4	0.0	347.4





#73

Isopropylbenzene

Concen: 2.916 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

MW-2DL

Tot Ion:105 Resp: 35147

Ion Ratio Lower Upper

105 100

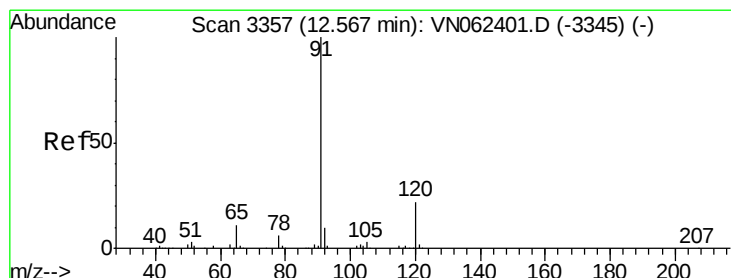
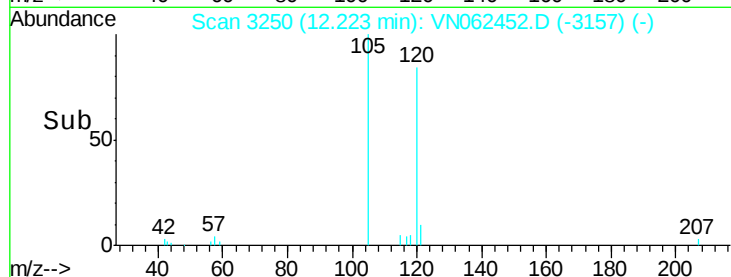
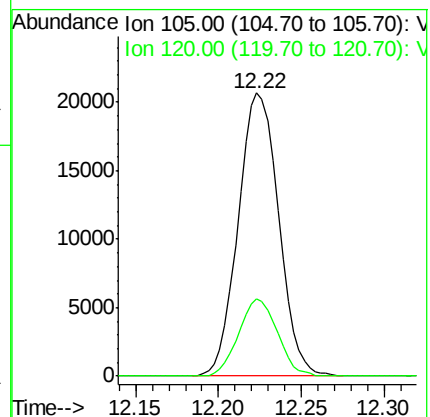
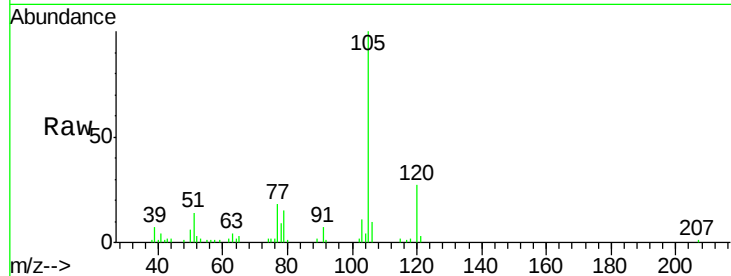
120 26.0 12.7 38.1

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#78

n-propylbenzene

Concen: 5.642 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062452.D

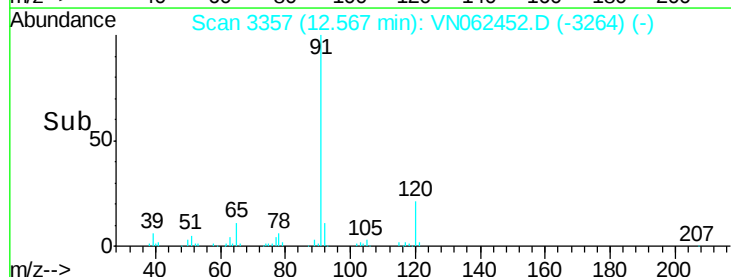
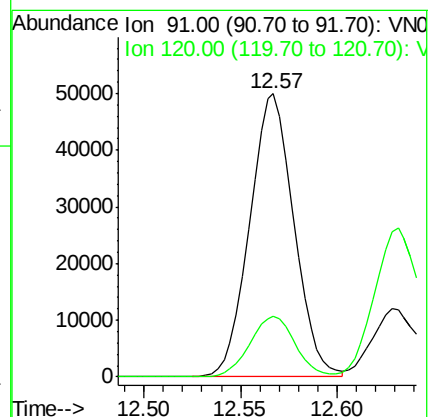
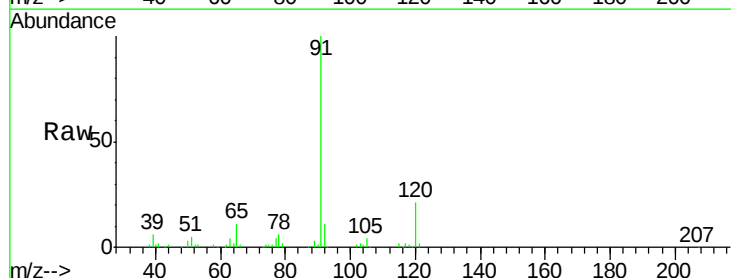
Acq: 9 Jul 2020 13:04

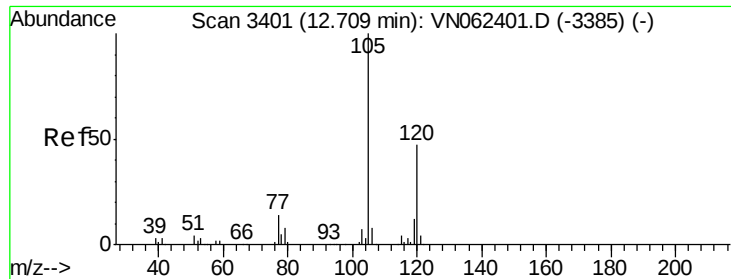
Tgt Ion: 91 Resp: 79452

Ion Ratio Lower Upper

91 100

120 21.8 10.7 32.1





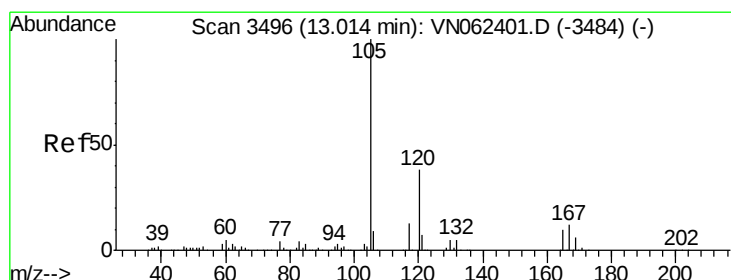
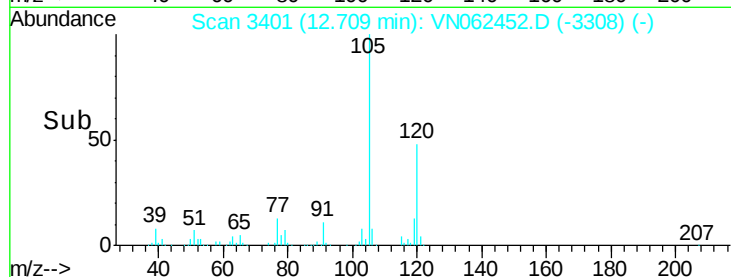
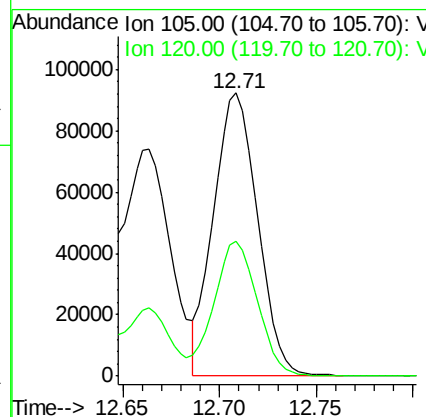
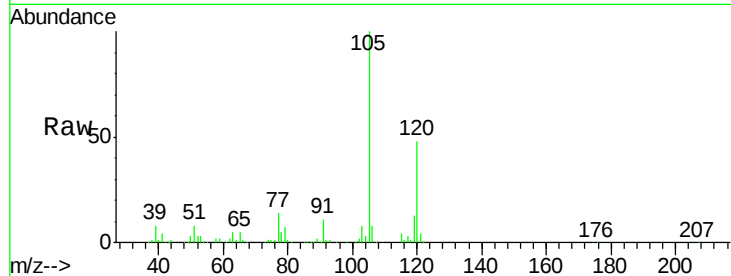
#80
 1,3,5-Trimethylbenzene
 Concen: 14.747 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2DL

Tot Ion:105 Resp: 145735
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2

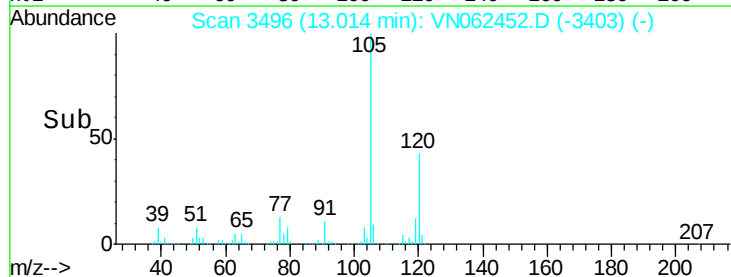
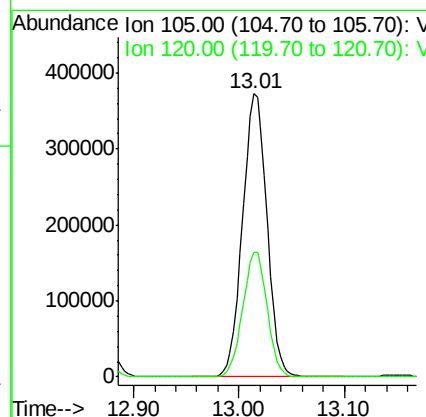
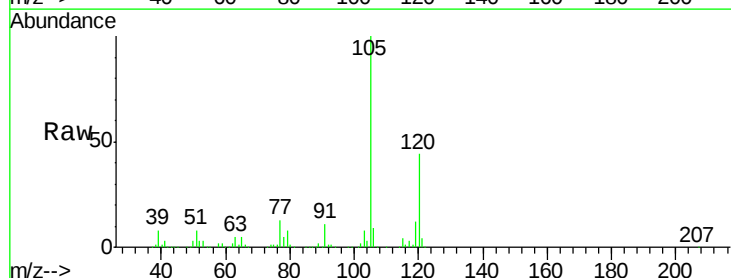
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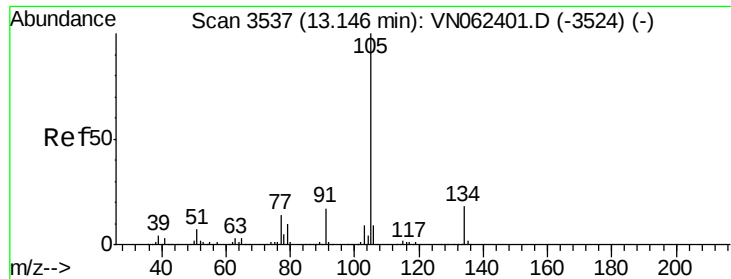
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#84
 1,2,4-Trimethylbenzene
 Concen: 60.827 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062452.D
 Acq: 9 Jul 2020 13:04

Tgt Ion:105 Resp: 597481
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.6 64.8





#85

sec-Butylbenzene

Concen: 0.480 ug/l m

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

MW-2DL

Tot Ion:105 Resp: 5331

Ion Ratio Lower Upper

105 100

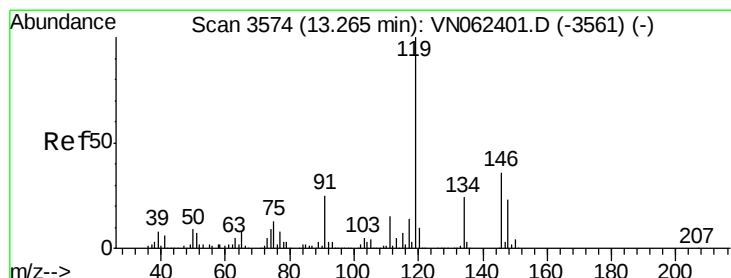
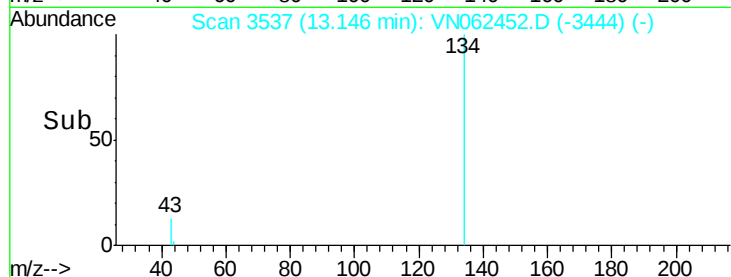
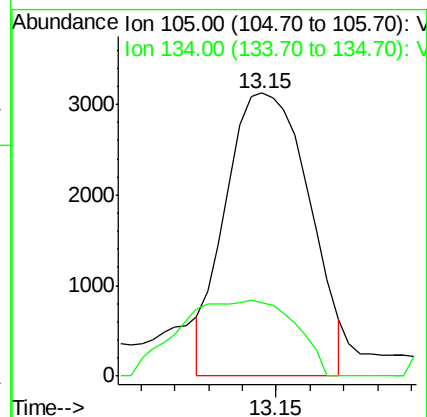
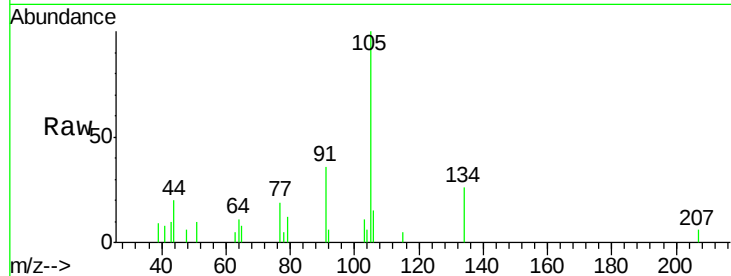
134 0.0 9.3 28.0#

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#86

p-Isopropyltoluene

Concen: 0.259 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062452.D

Acq: 9 Jul 2020 13:04

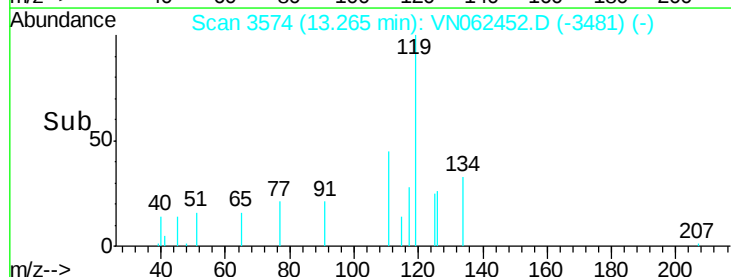
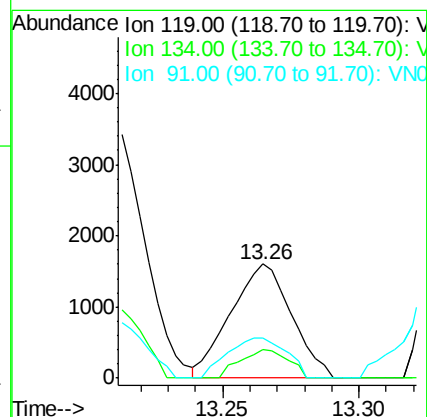
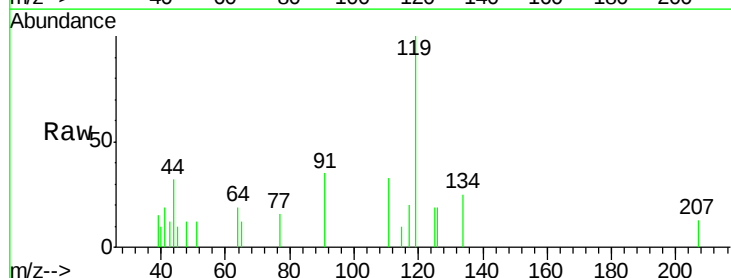
Tgt Ion:119 Resp: 2482

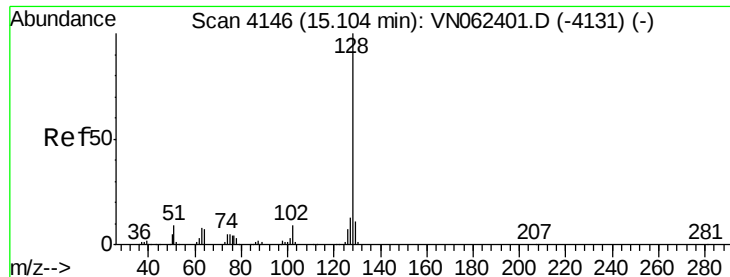
Ion Ratio Lower Upper

119 100

134 19.7 12.4 37.0

91 0.0 12.4 37.4#





#95
Naphthalene
Concen: 37.250 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062452.D
Acq: 9 Jul 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
MW-2DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	213781		
127	12.9		10.2	15.2
129	11.0		8.6	12.8

Manual Integrations
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