

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062504.D
 Acq On : 10 Jul 2020 19:58
 Operator : JC/MD
 Sample : L3217-09 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 E3-41-NHL

Manual Integrations
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MMDadoda
 7/13/2020 11:19:37 AM

Quant Time: Jul 11 03:14:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	180913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	314345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	302330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146211	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	135936	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
35) Dibromofluoromethane	7.55	113	101561	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	10.06	98	407993	53.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.38	95	158578	56.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.14%	
Target Compounds						
					Qvalue	
32) 1,1,1-Trichloroethane	7.53	97	4733m	1.413	ug/l	
52) Toluene	10.12	92	15391	2.855	ug/l	97
67) Ethyl Benzene	11.48	91	54840	4.972	ug/l	98
68) m/p-Xylenes	11.59	106	58774	15.053	ug/l	94
69) o-Xylene	11.92	106	32443	8.534	ug/l	98
70) Styrene	11.94	104	15857	2.524	ug/l #	77
73) Isopropylbenzene	12.23	105	32421	2.866	ug/l	86
78) n-propylbenzene	12.57	91	9400	0.711	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	134233	14.472	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	252042	27.339	ug/l	100
95) Naphthalene	15.10	128	6803333	506.758	ug/l #	90

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

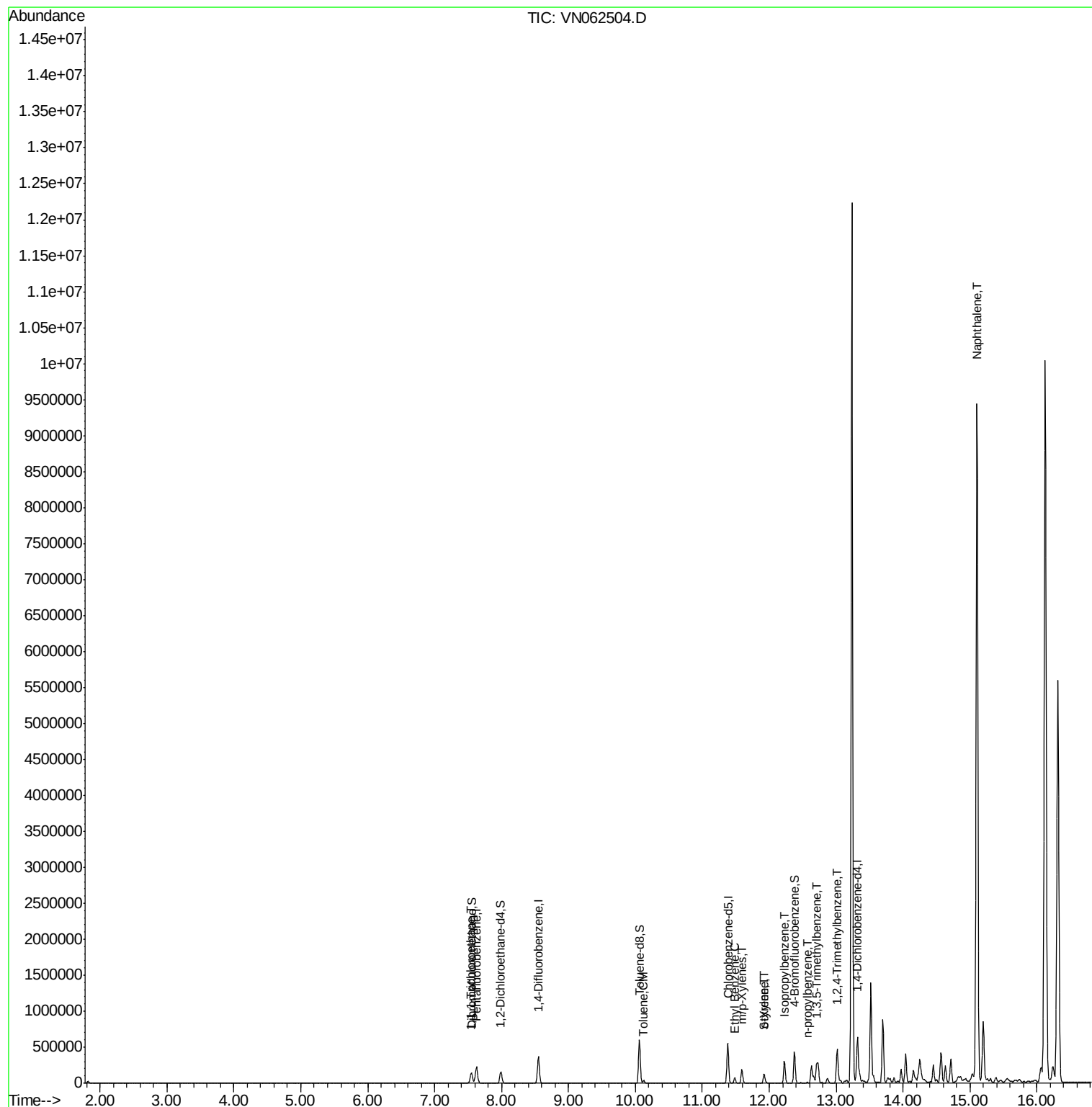
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
Data File : VN062504.D
Acq On : 10 Jul 2020 19:58
Operator : JC/MD
Sample : L3217-09 100X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

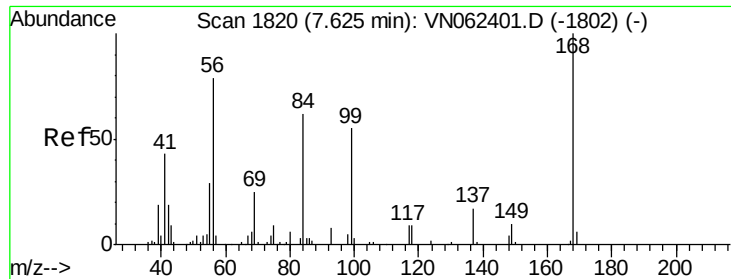
Instrument :
MSVOA_N
ClientSampleId :
E3-41-NHL

Manual Integrations
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Quant Time: Jul 11 03:14:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 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: VN062504.D

Acq: 10 Jul 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

E3-41-NHL

Tot Ion:168 Resp: 180913

Ion Ratio Lower Upper

168 100

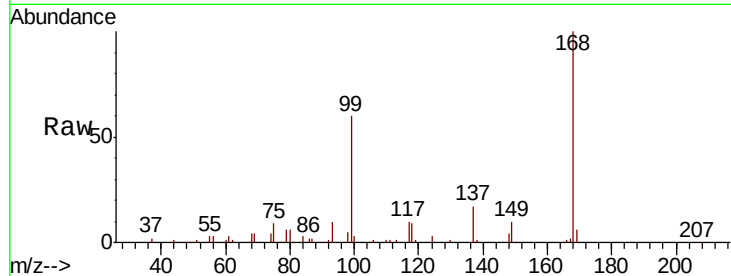
99 60.0 48.8 73.2

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

7.63

80000

60000

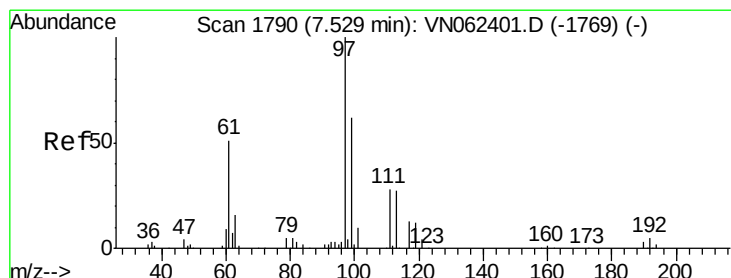
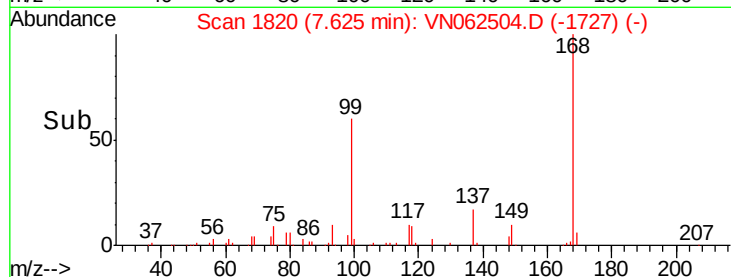
40000

20000

0

7.50 7.60 7.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 1.413 ug/l m

RT: 7.53 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VN062504.D

Acq: 10 Jul 2020 19:58

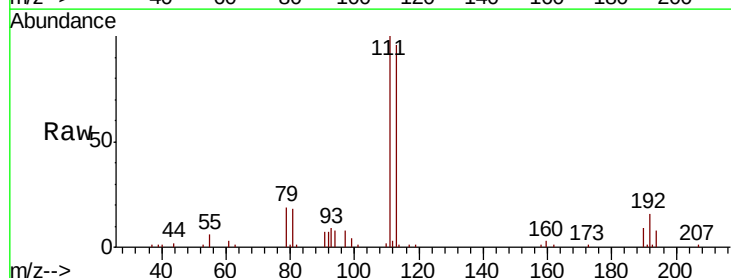
Tgt Ion: 97 Resp: 4733

Ion Ratio Lower Upper

97 100

99 0.0 50.4 75.6#

61 29.3 39.9 59.9#



Abundance Ion 96.90 (96.60 to 97.60): VN

Ion 98.90 (98.60 to 99.60): VN

Ion 60.90 (60.60 to 61.60): VN

60000

50000

40000

30000

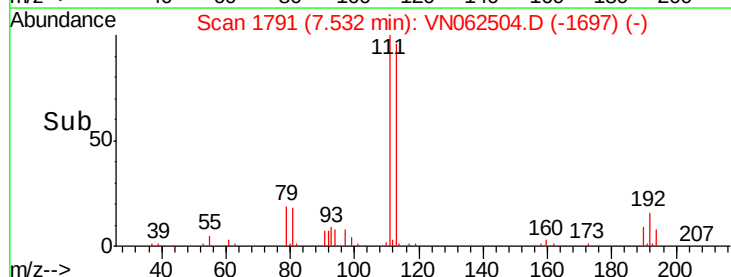
20000

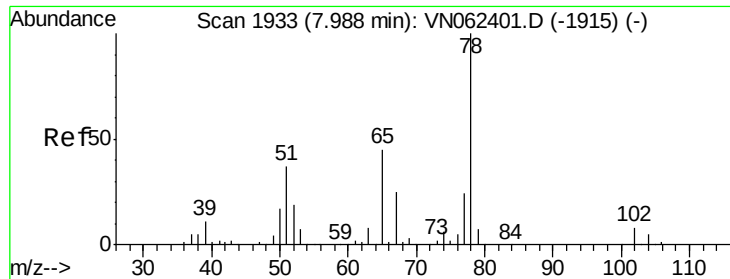
10000

0

7.45 7.50 7.55 7.60

Time-->





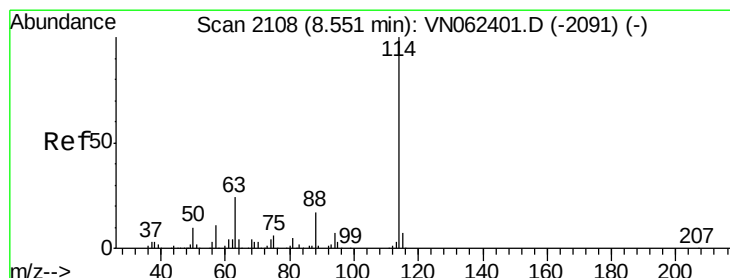
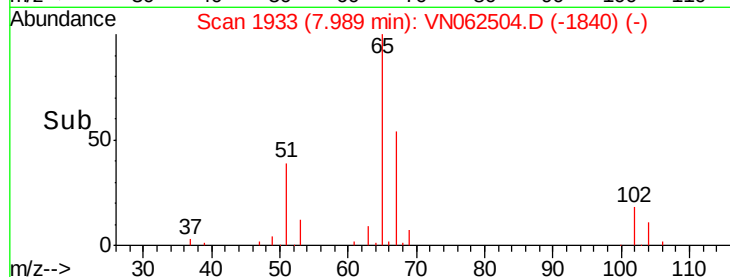
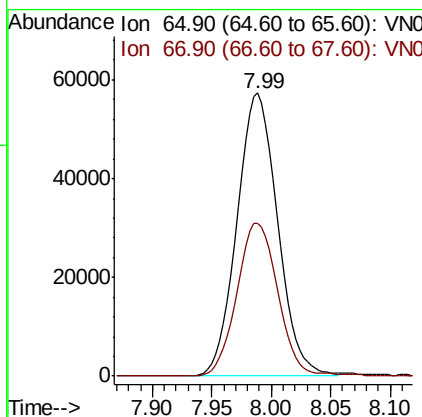
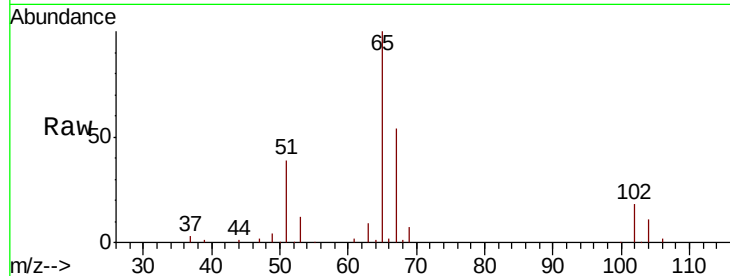
#33
 1,2-Dichloroethane-d4
 Concen: 48.851 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062504.D
 Acq: 10 Jul 2020 19:58

Instrument :
 MSVOA_N
 ClientSampleId :
 E3-41-NHL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135936		
67	54.7	0.0	107.6	

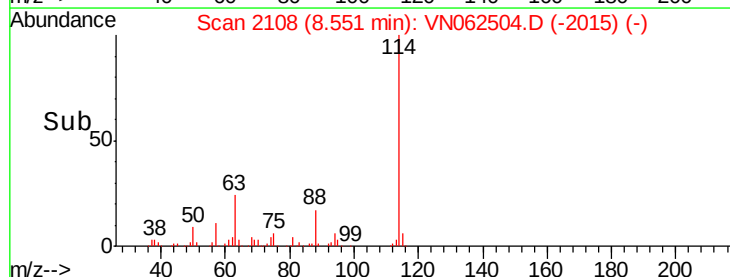
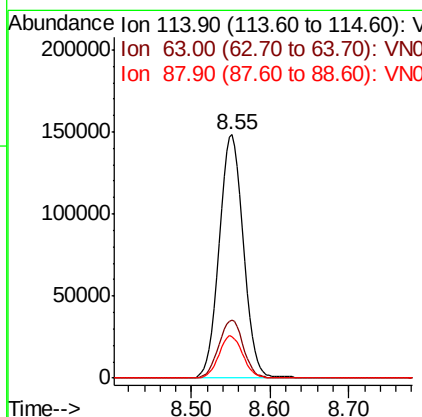
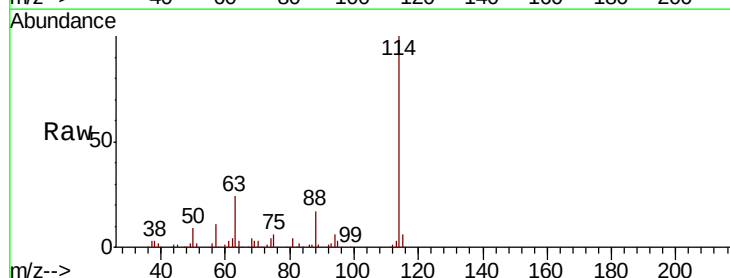
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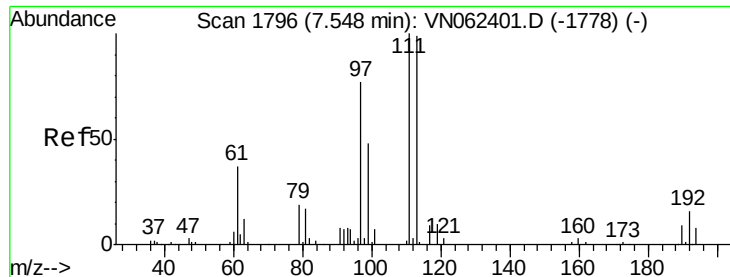
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062504.D
 Acq: 10 Jul 2020 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	314345		
63	24.0	0.0	48.4	
88	16.9	0.0	33.8	





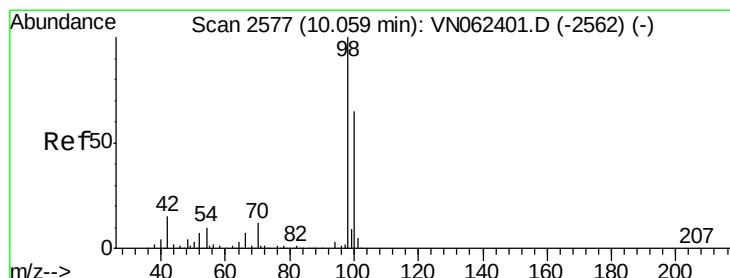
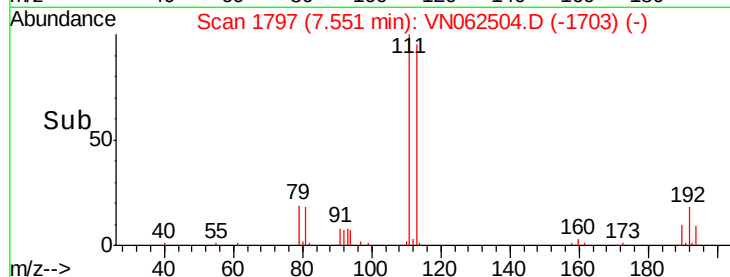
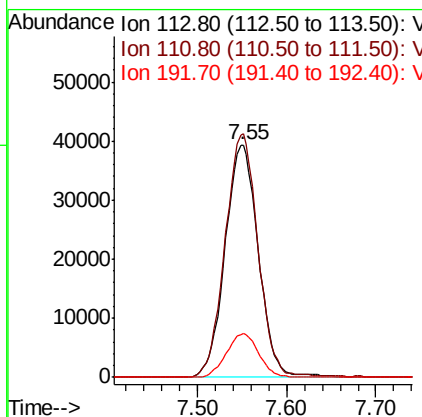
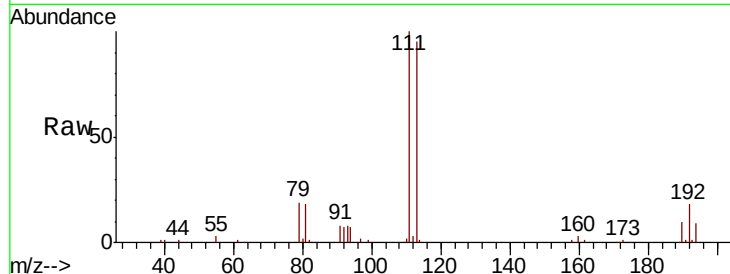
#35
 Dibromofluoromethane
 Concen: 52.268 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062504.D
 Acq: 10 Jul 2020 19:58

Instrument :
 MSVOA_N
 ClientSampled :
 E3-41-NHL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101561		
111	102.8	83.1	124.7	
192	18.3	14.1	21.1	

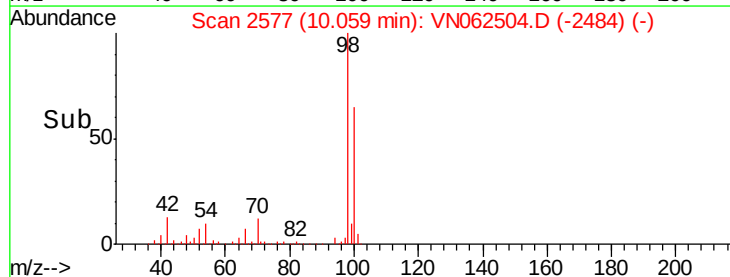
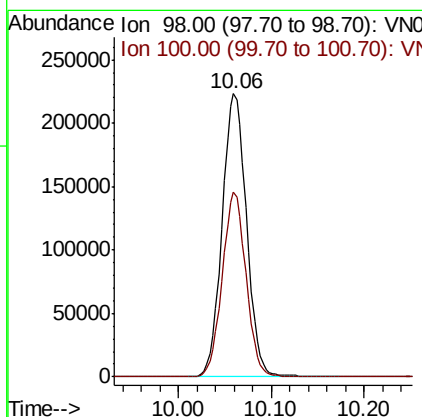
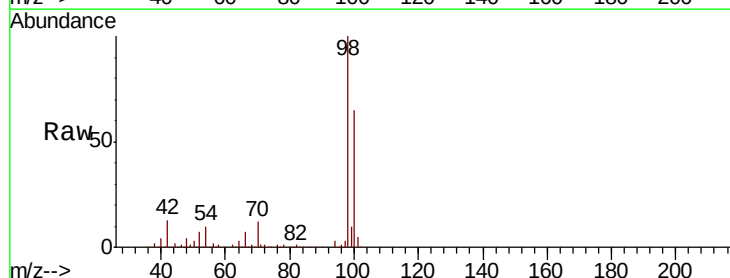
Manual Integrations
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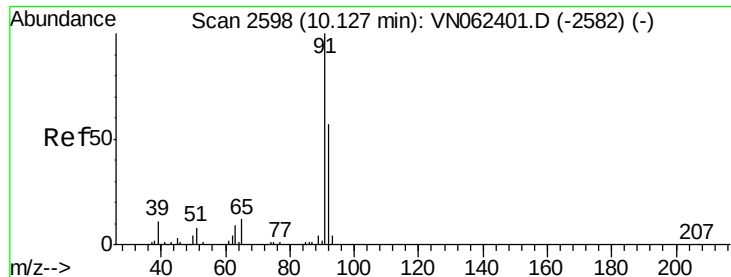
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#50
 Toluene-d8
 Concen: 53.189 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. 0.00 min
 Lab File: VN062504.D
 Acq: 10 Jul 2020 19:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	407993		
100	63.4	51.5	77.3	





#52

Toluene

Concen: 2.855 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062504.D

Acq: 10 Jul 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

E3-41-NHL

Tot Ion: 92 Resp: 15391

Ion Ratio Lower Upper

92 100

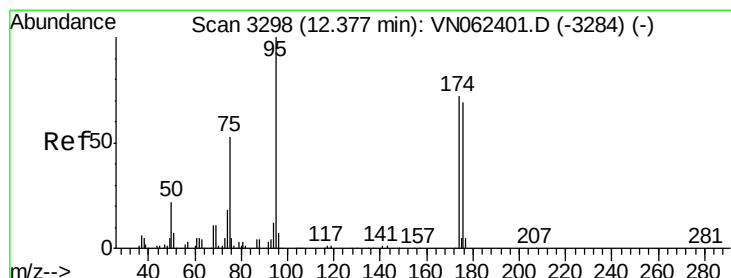
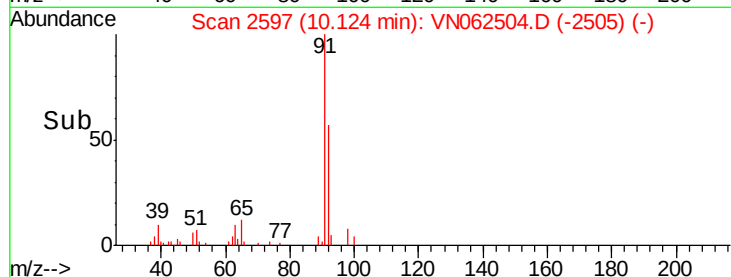
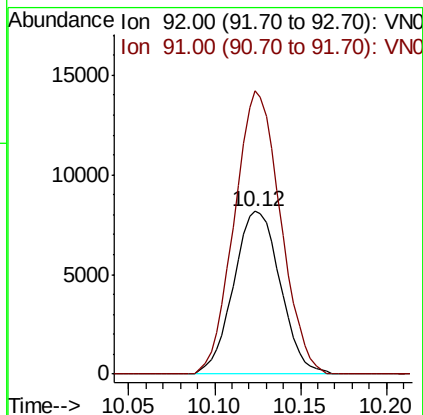
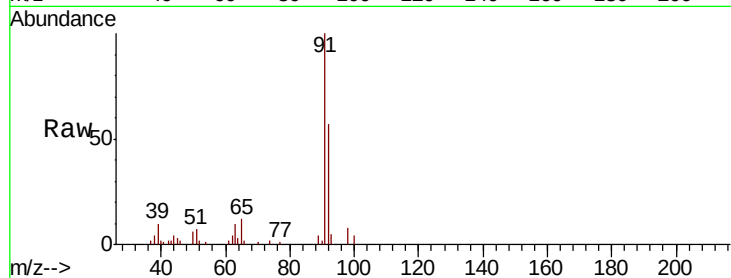
91 171.7 141.0 211.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.572 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062504.D

Acq: 10 Jul 2020 19:58

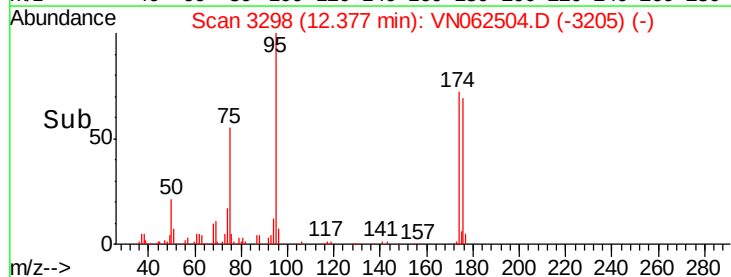
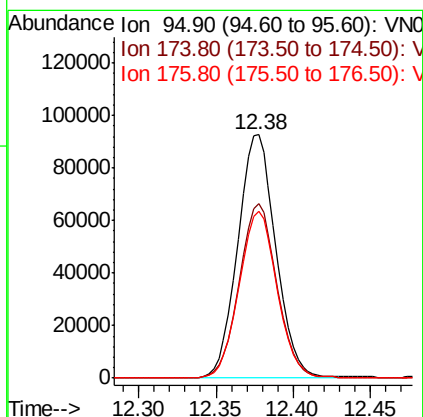
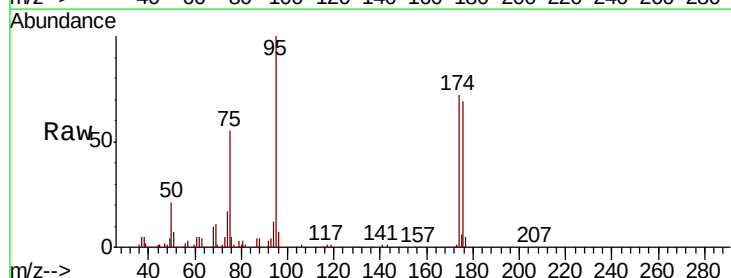
Tgt Ion: 95 Resp: 158578

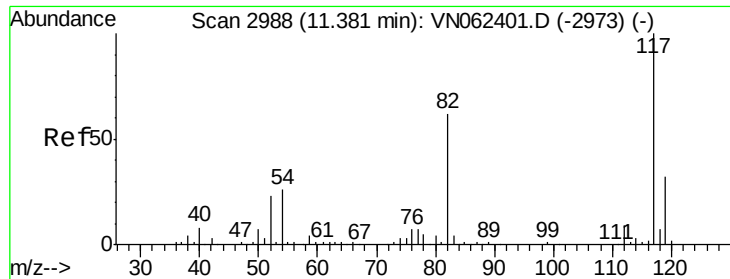
Ion Ratio Lower Upper

95 100

174 71.2 0.0 141.6

176 68.8 0.0 137.2





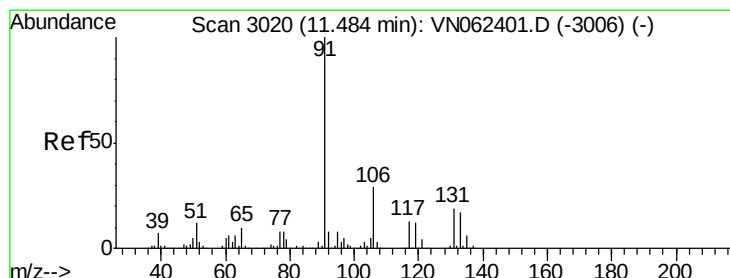
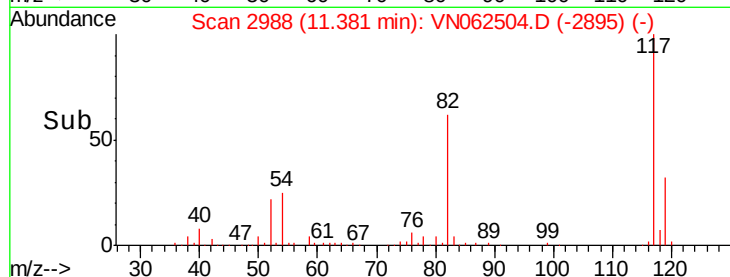
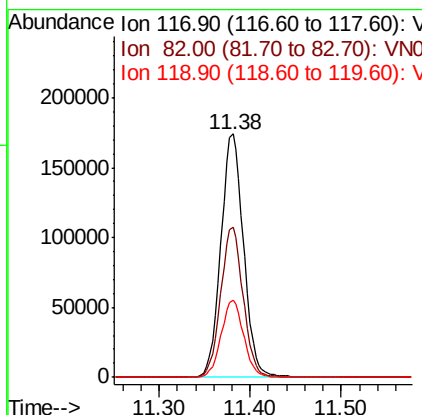
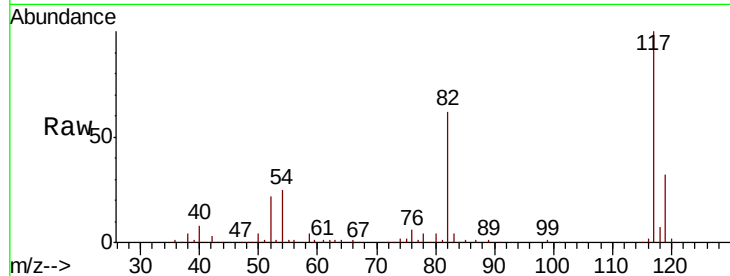
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Instrument :
MSVOA_N
ClientSampleId :
E3-41-NHL

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.6	74.4
119	31.9	25.4	38.0

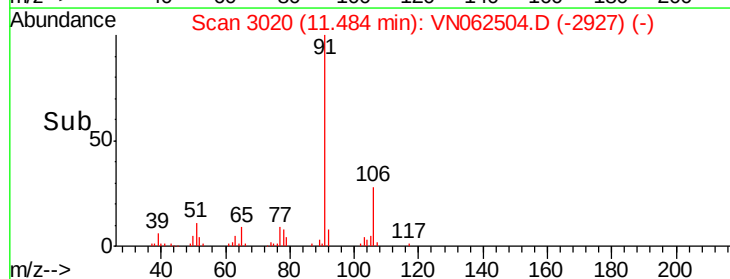
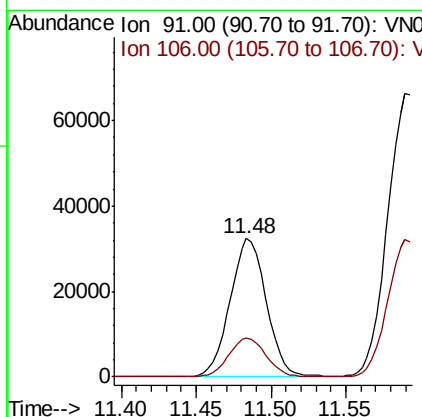
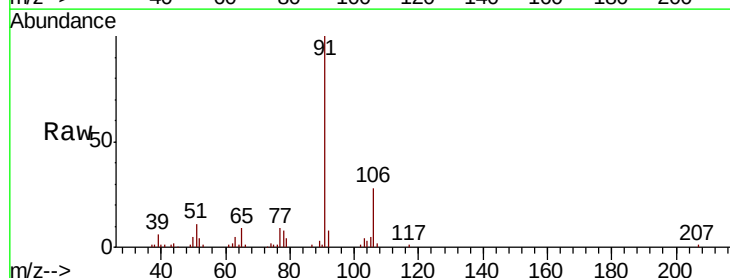
Manual Integrations
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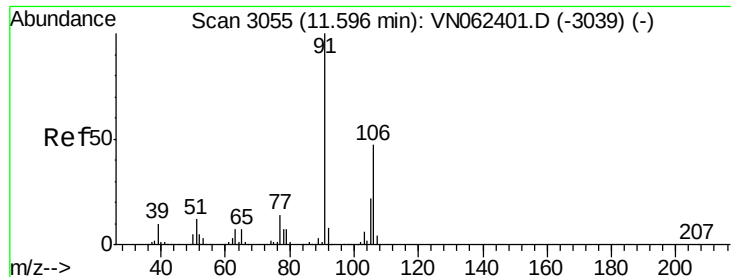
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#67
Ethyl Benzene
Concen: 4.972 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.4	35.2





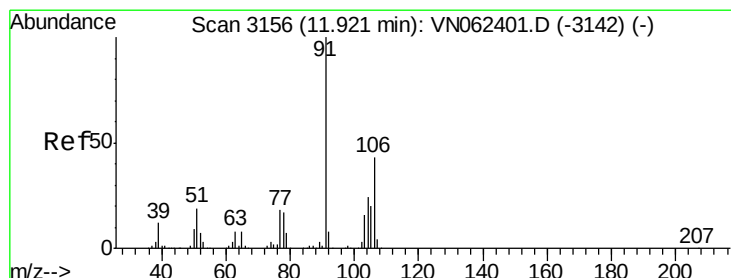
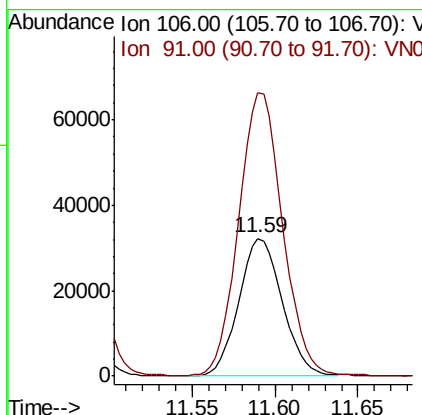
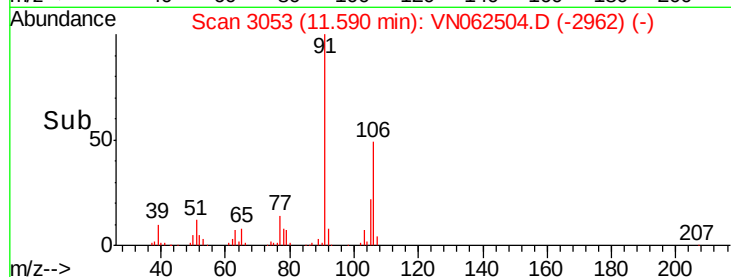
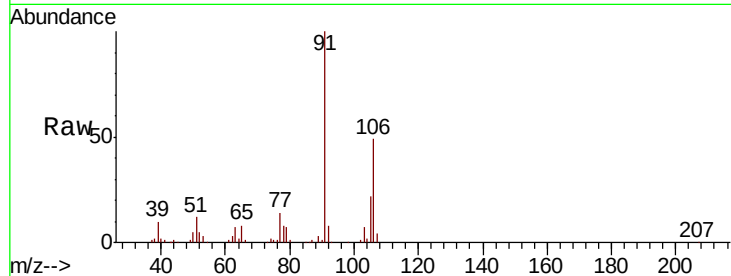
#68
m/p-Xylenes
Concen: 15.053 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Instrument :
MSVOA_N
ClientSampled :
E3-41-NHL

Tot Ion:106 Resp: 58774
Ion Ratio Lower Upper
106 100
91 205.7 172.4 258.6

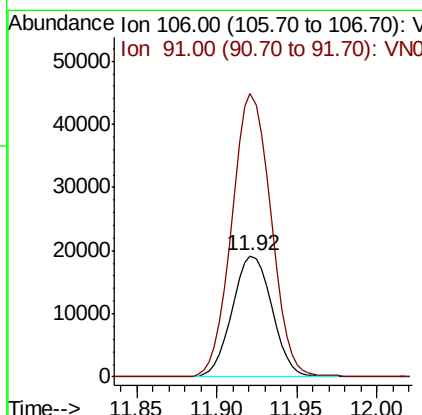
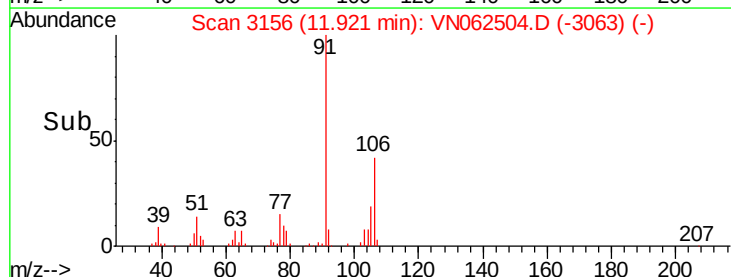
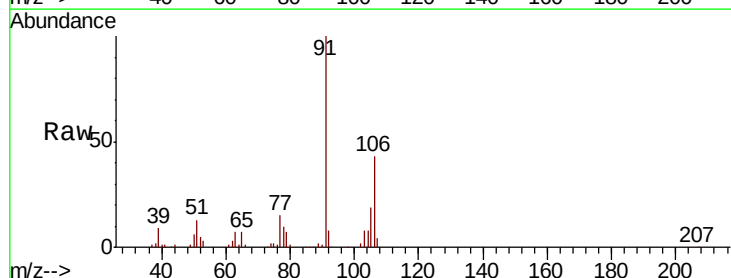
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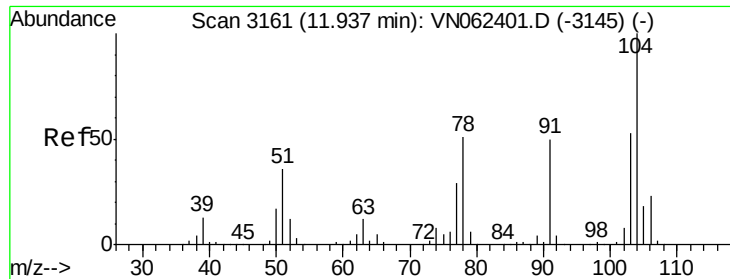
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#69
o-Xylene
Concen: 8.534 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Tgt Ion:106 Resp: 32443
Ion Ratio Lower Upper
106 100
91 230.7 113.8 341.4





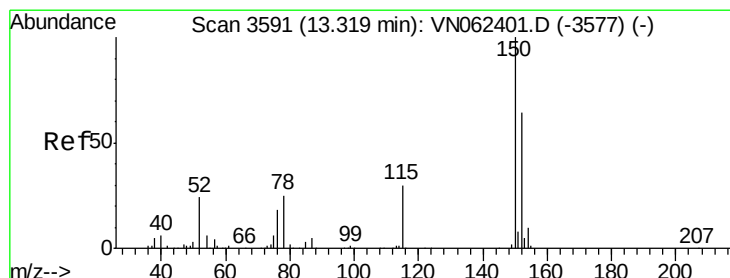
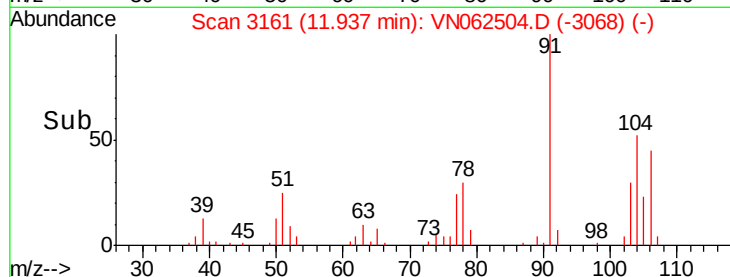
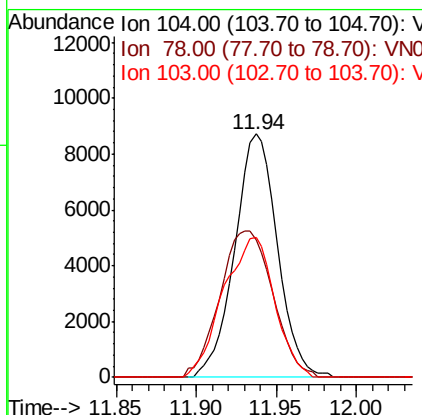
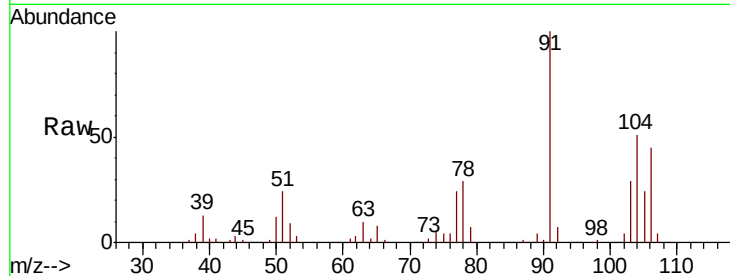
#70
Stvrene
Concen: 2.524 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Instrument :
MSVOA_N
ClientSampled :
E3-41-NHL

Tot Ion	Ratio	Lower	Upper
104	100		
78	75.0	44.2	66.4#
103	69.1	44.4	66.6#

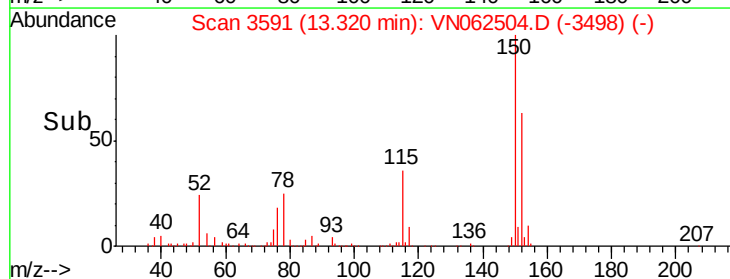
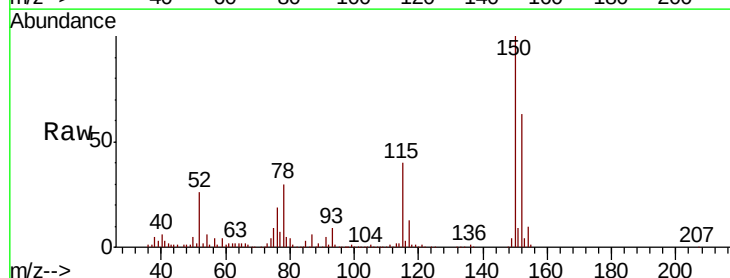
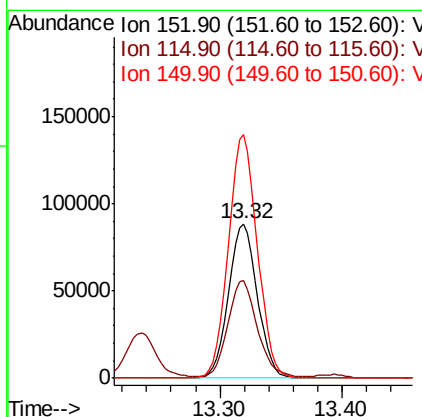
Manual Integrations
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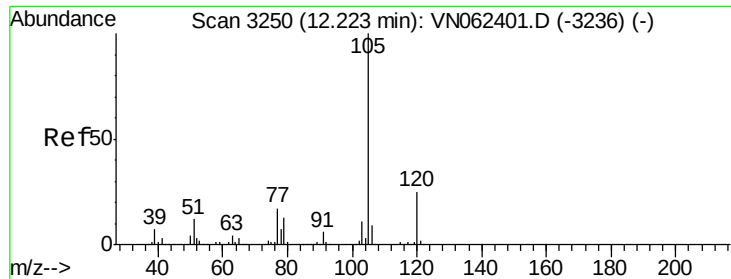
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.4	94.2
150	157.7	0.0	347.4





#73

Isopropylbenzene

Concen: 2.866 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN062504.D

Acq: 10 Jul 2020 19:58

Instrument :

MSVOA_N

ClientSampleId :

E3-41-NHL

Tot Ion: 105 Resp: 32421

Ion Ratio Lower Upper

105 100

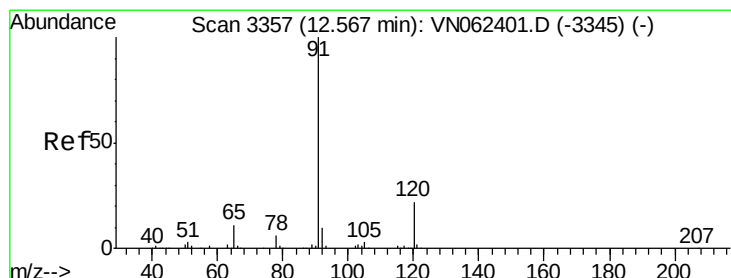
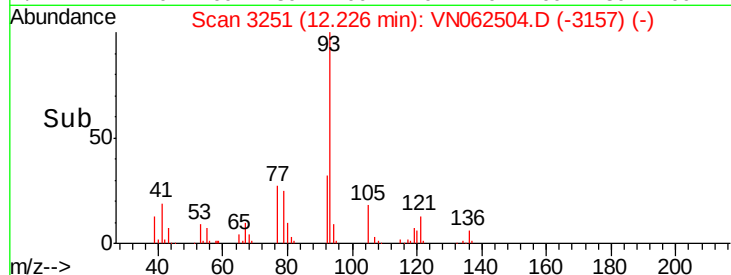
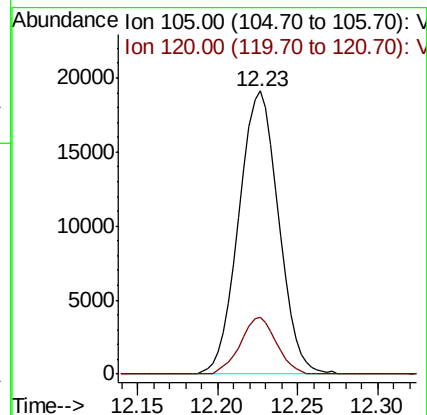
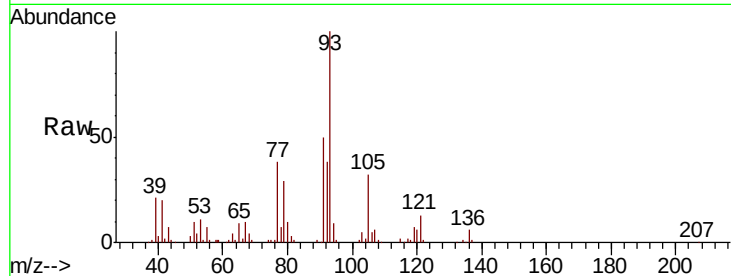
120 18.1 12.7 38.1

Manual Integrations

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#78

n-propylbenzene

Concen: 0.711 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062504.D

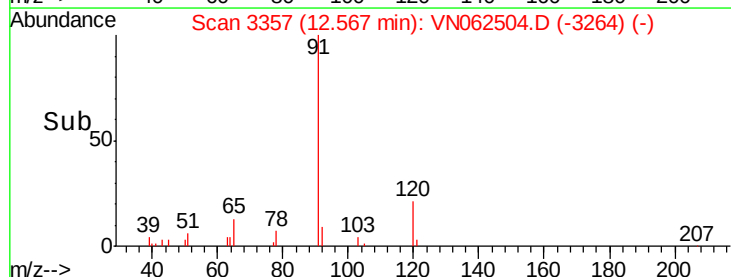
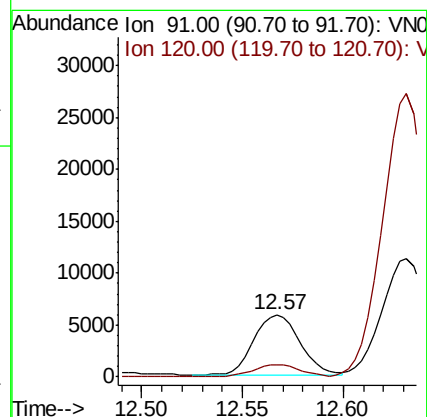
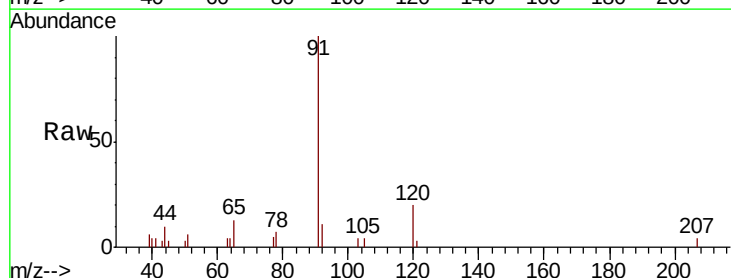
Acq: 10 Jul 2020 19:58

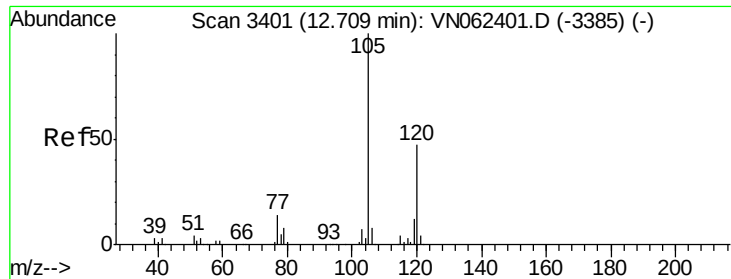
Tgt Ion: 91 Resp: 9400

Ion Ratio Lower Upper

91 100

120 20.4 10.7 32.1





#80

1,3,5-Trimethylbenzene

Concen: 14.472 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062504.D

Acq: 10 Jul 2020 19:58

Instrument :

MSVOA_N

ClientSampled :

E3-41-NHL

Tot Ion:105 Resp: 134233

Ion Ratio Lower Upper

105 100

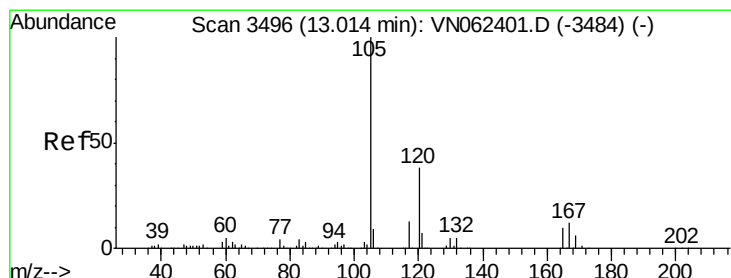
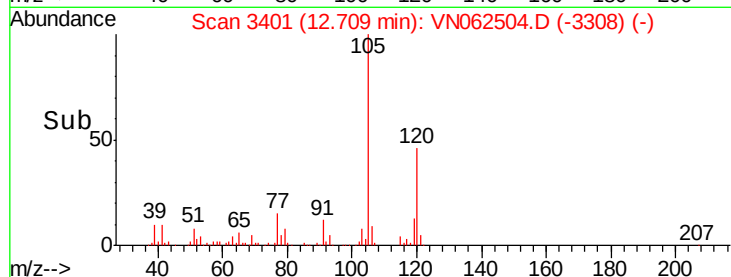
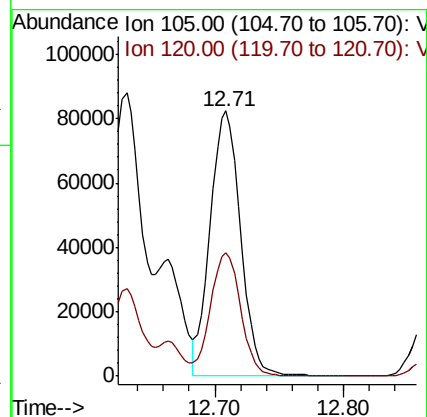
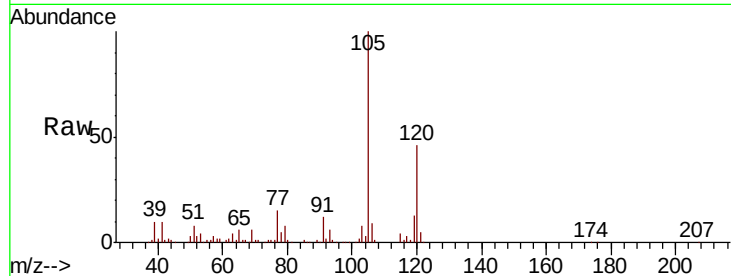
120 46.4 23.4 70.2

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 27.339 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. 0.00 min

Lab File: VN062504.D

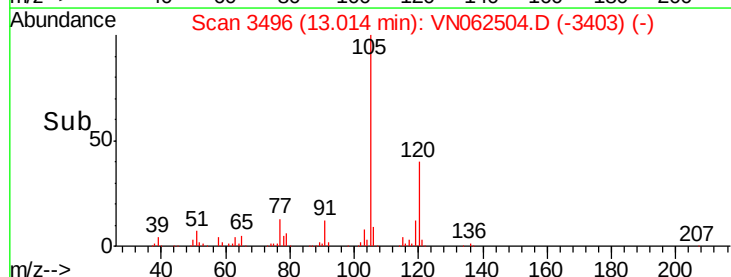
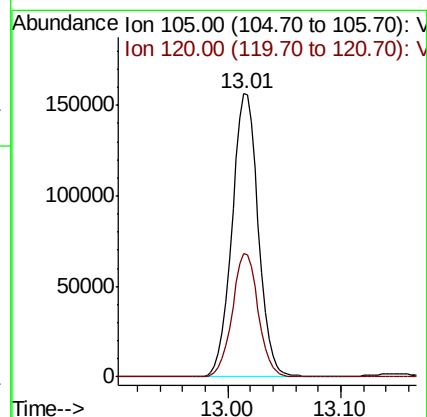
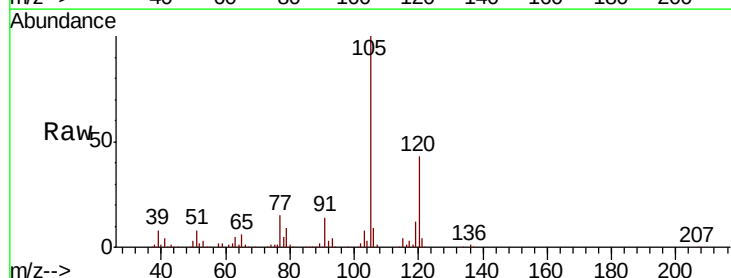
Acq: 10 Jul 2020 19:58

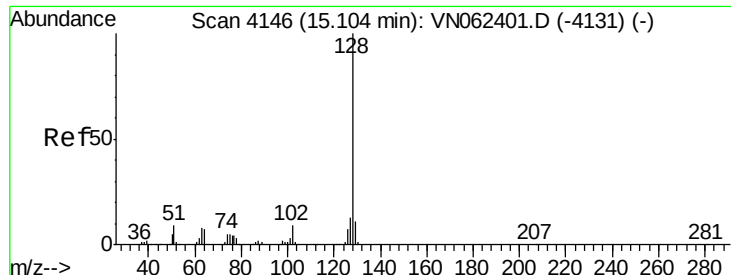
Tgt Ion:105 Resp: 252042

Ion Ratio Lower Upper

105 100

120 43.1 21.6 64.8





#95
Naphthalene
Concen: 506.758 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062504.D
Acq: 10 Jul 2020 19:58

Instrument :
MSVOA_N
ClientSampleId :
E3-41-NHL

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.2	15.2#
129	14.6	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:37 AM

