

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060190.D
 Acq On : 21 Feb 2020 15:26
 Operator : JC/MD
 Sample : L1589-01DL 40X
 Misc : 11.95µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB3-9.5-10.0DL

Manual Integrations
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MMDadoda
 2/24/2020 11:41:27 AM

Quant Time: Feb 21 23:14:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	175544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	278088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	103143	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.56	113	83322	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.08	98	337028	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	122874	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.06	83	27122	8.483	ug/l	99
40) Benzene	8.01	78	8037	1.052	ug/l	100
52) Toluene	10.14	92	98094	20.020	ug/l	98
67) Ethyl Benzene	11.50	91	171362	18.047	ug/l	99
68) m/p-Xylenes	11.61	106	168753	47.354	ug/l	99
69) o-Xylene	11.94	106	81683	23.806	ug/l	98
73) Isopropylbenzene	12.24	105	85220	8.952	ug/l	100
78) n-propylbenzene	12.59	91	145051	13.374	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	69497	8.781	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	286368	36.653	ug/l	100
85) sec-Butylbenzene	13.17	105	108876	11.742	ug/l	96
86) p-Isopropyltoluene	13.28	119	43063	5.126	ug/l	99
89) n-Butylbenzene	13.61	91	52671m	7.128	ug/l	
95) Naphthalene	15.13	128	75656	11.648	ug/l	96

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

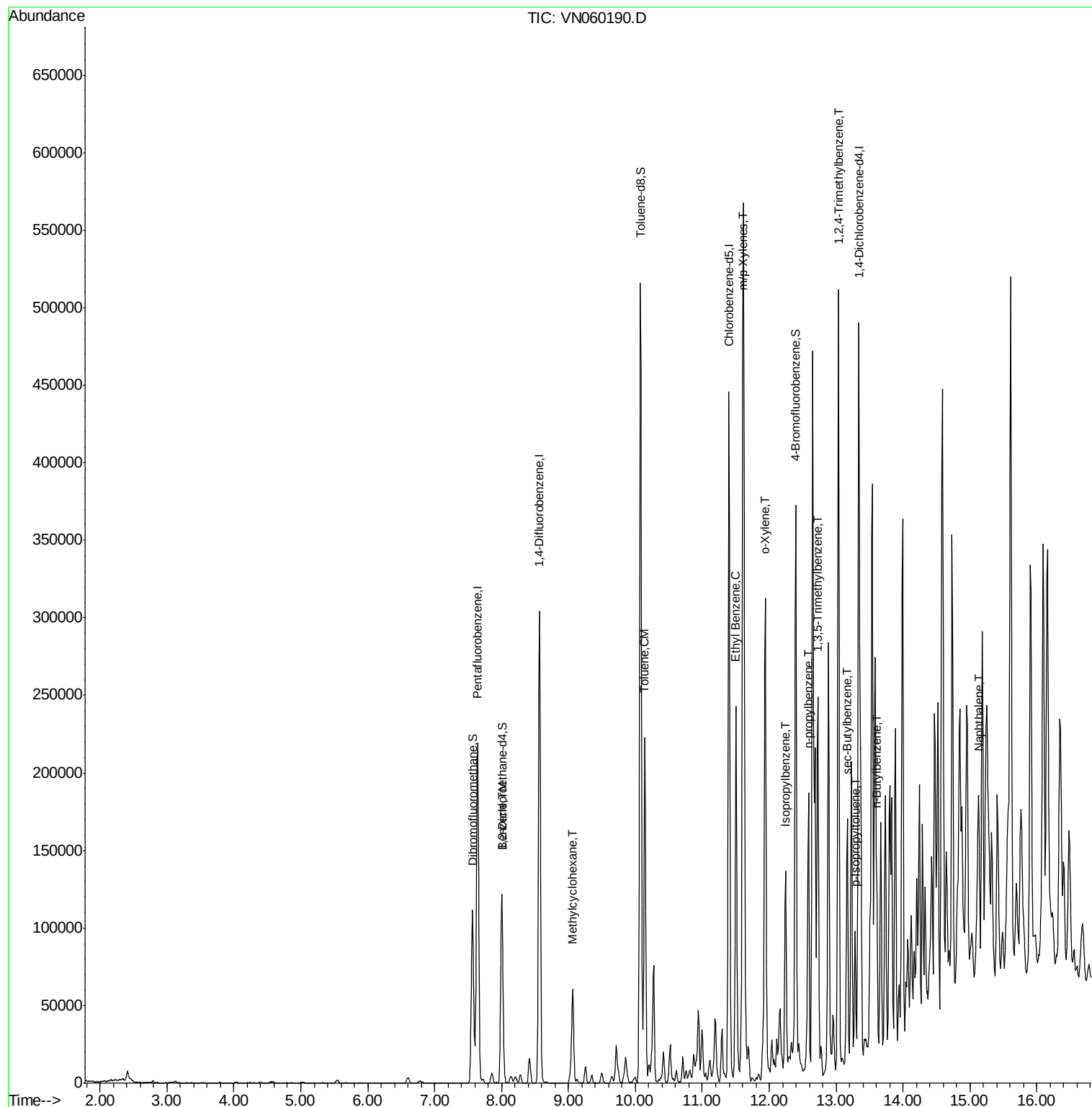
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060190.D
Acq On : 21 Feb 2020 15:26
Operator : JC/MD
Sample : L1589-01DL 40X
Misc : 11.95g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

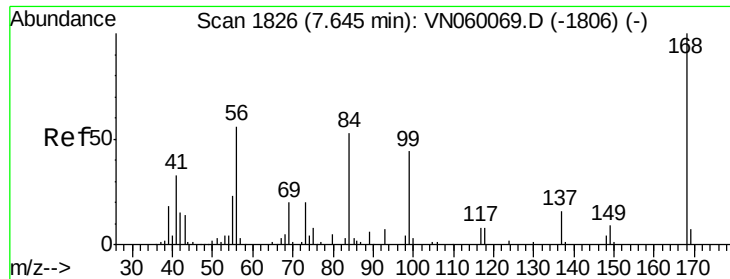
Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0DL

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2/24/2020 11:41:27 AM

Quant Time: Feb 21 23:14:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion:168 Resp: 175544

Ion Ratio Lower Upper

168 100

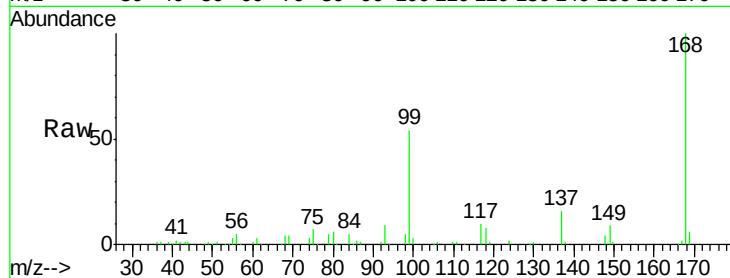
99 53.9 42.7 64.1

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

7.64

80000

60000

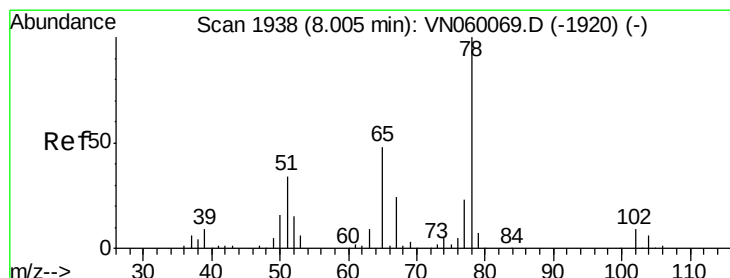
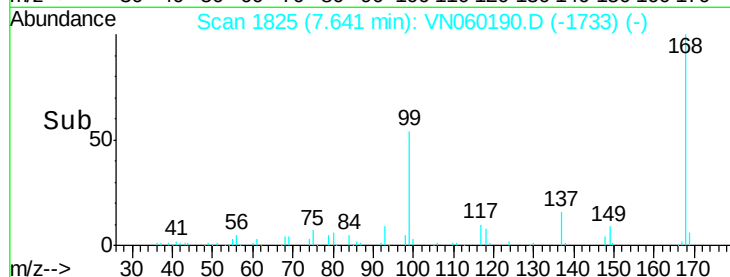
40000

20000

0

7.60 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.286 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060190.D

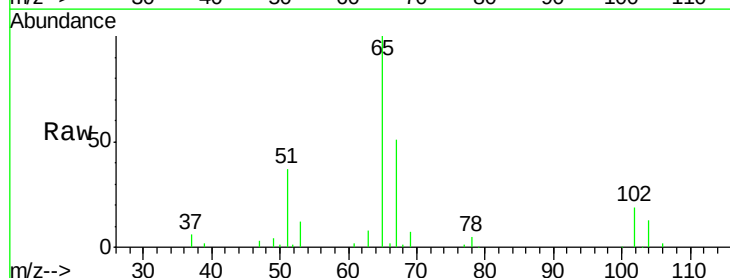
Acq: 21 Feb 2020 15:26

Tgt Ion: 65 Resp: 103143

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.00

50000

40000

30000

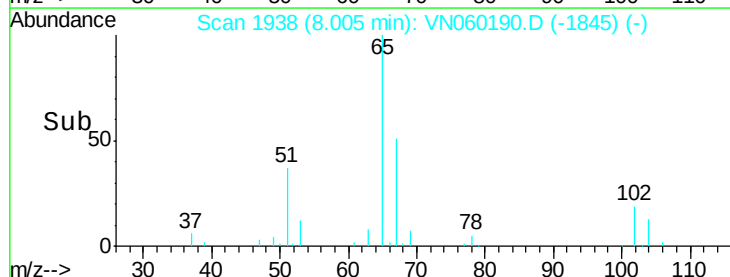
20000

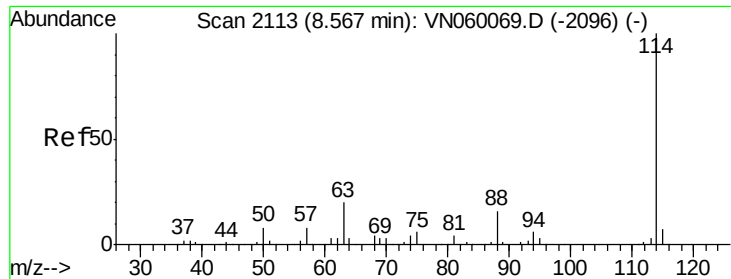
10000

0

7.90 8.00 8.10

Time-->





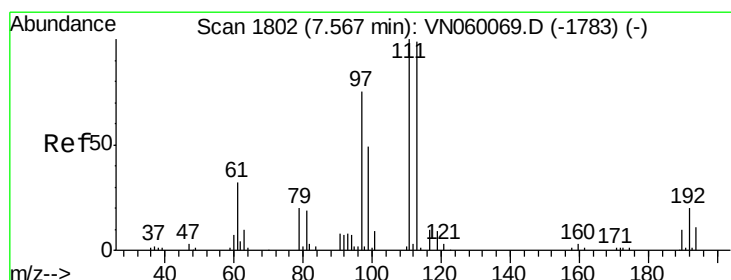
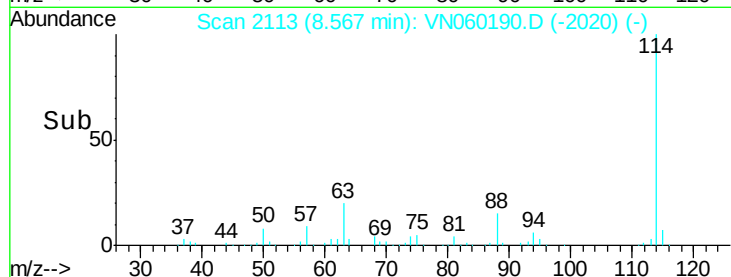
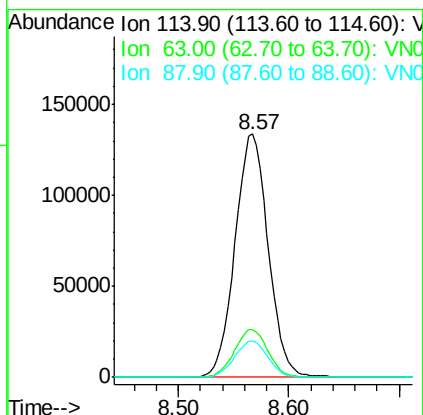
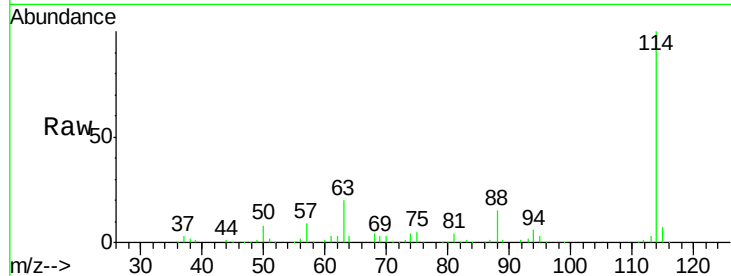
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.1	0.0	31.6

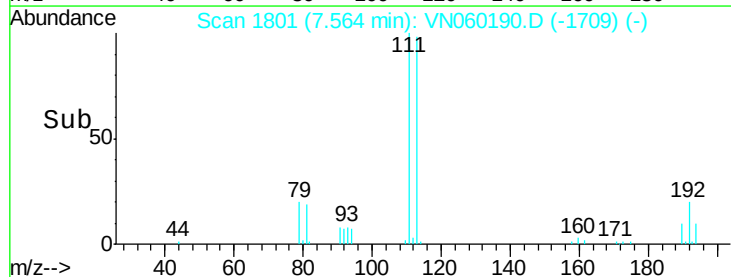
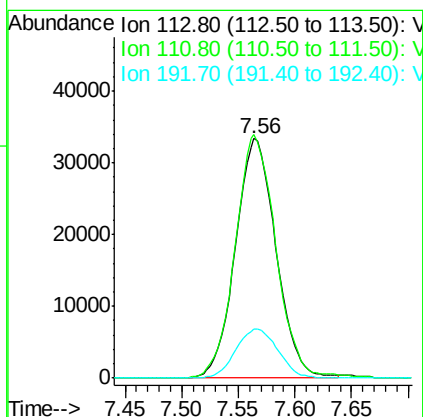
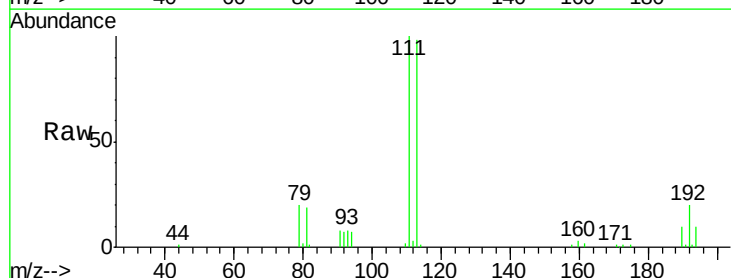
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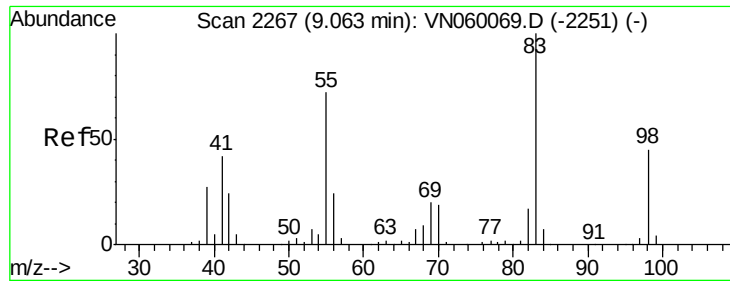
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#35
Dibromofluoromethane
Concen: 48.743 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.3	81.4	122.2
192	21.3	16.2	24.2





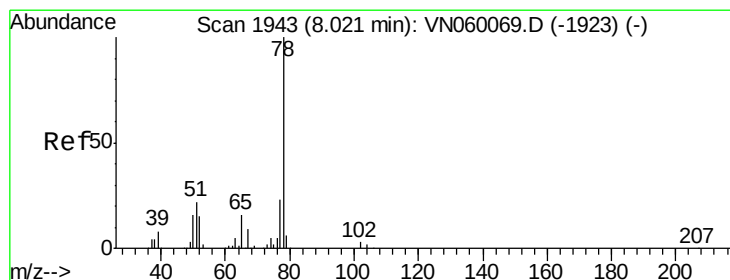
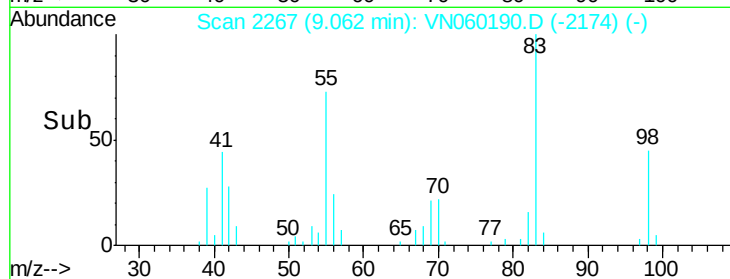
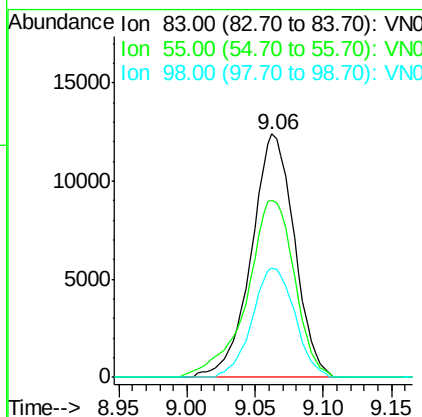
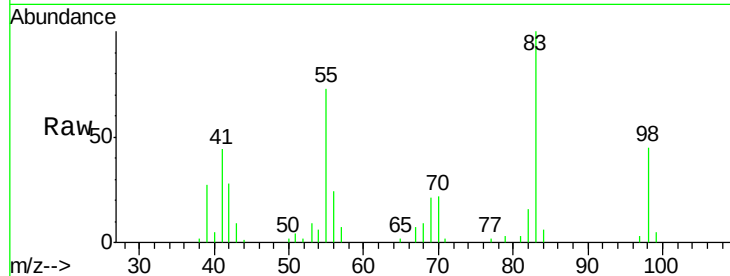
#39
Methylvlcyclohexane
Concen: 8.483 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	57.8	86.8
98	45.1	36.4	54.6

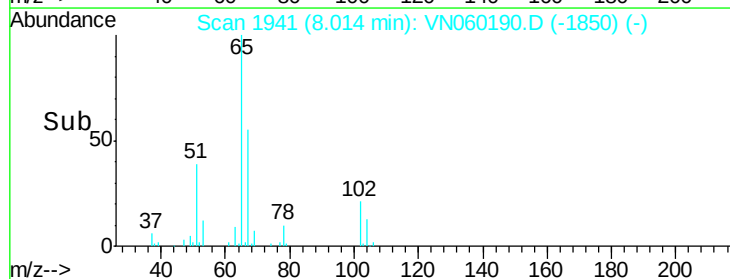
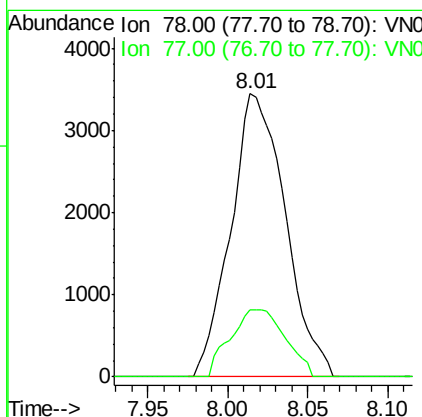
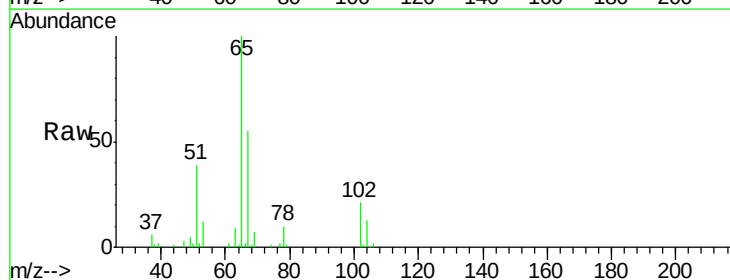
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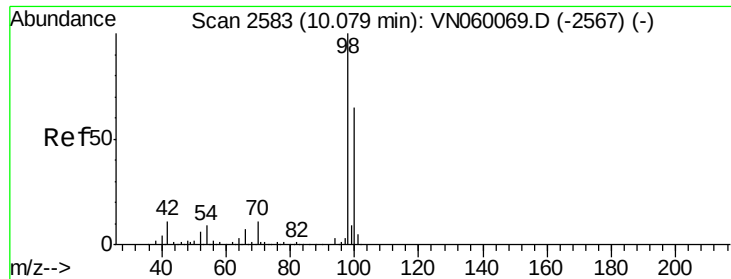
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#40
Benzene
Concen: 1.052 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#50

Toluene-d8

Concen: 50.067 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion: 98 Resp: 337028

Ion Ratio Lower Upper

98 100

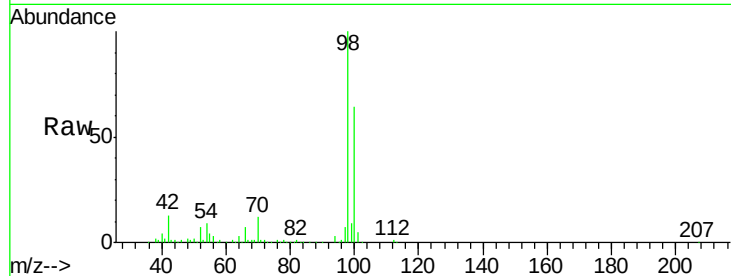
100 64.1 51.7 77.5

Manual Integrations

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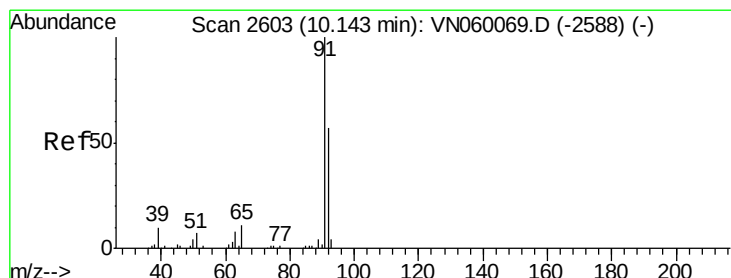
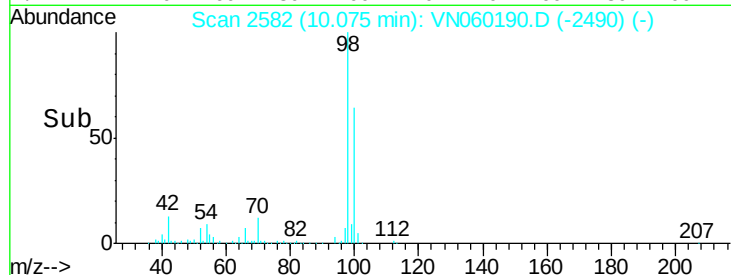
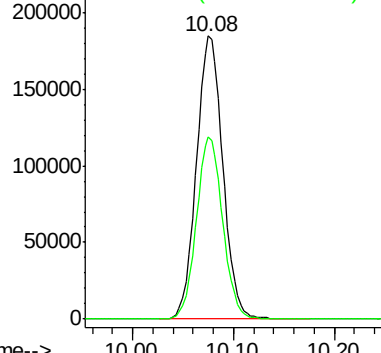
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 20.020 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060190.D

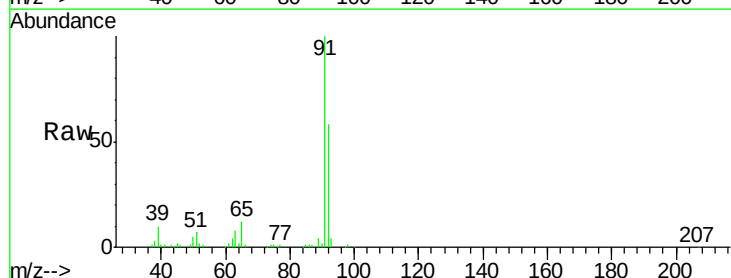
Acq: 21 Feb 2020 15:26

Tgt Ion: 92 Resp: 98094

Ion Ratio Lower Upper

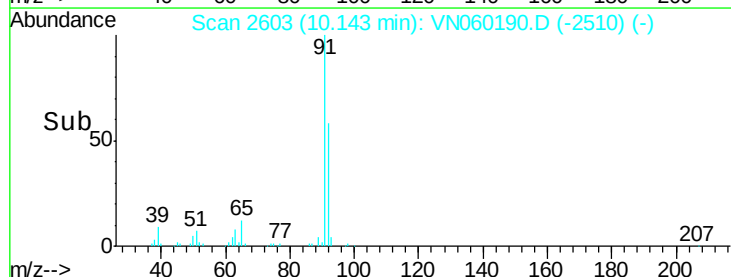
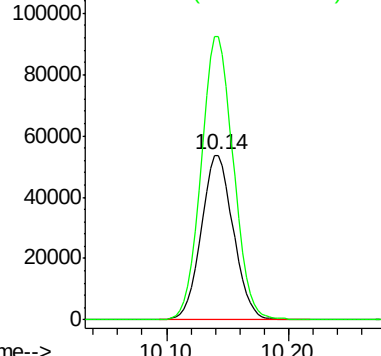
92 100

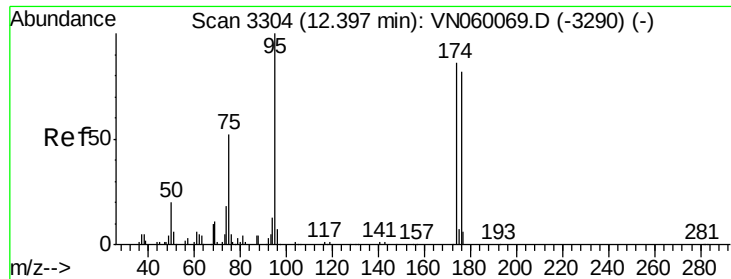
91 173.0 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.675 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

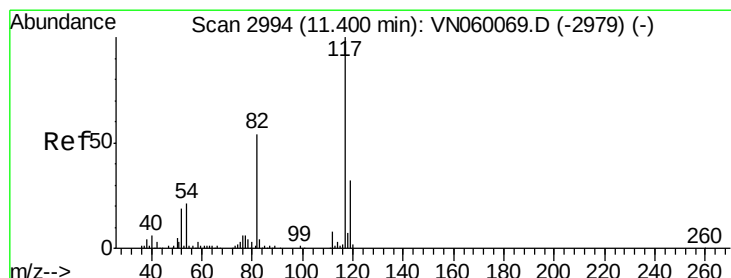
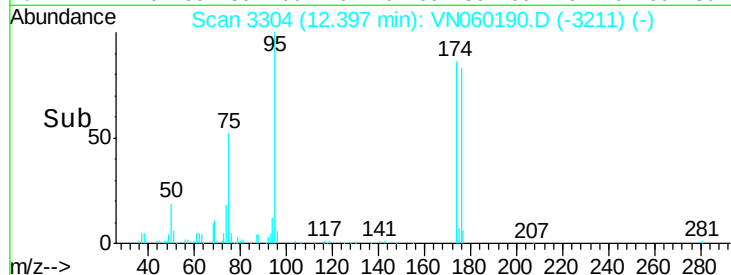
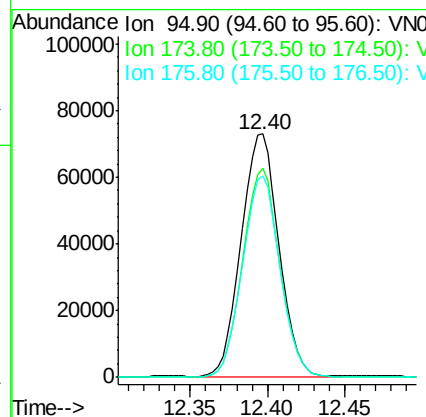
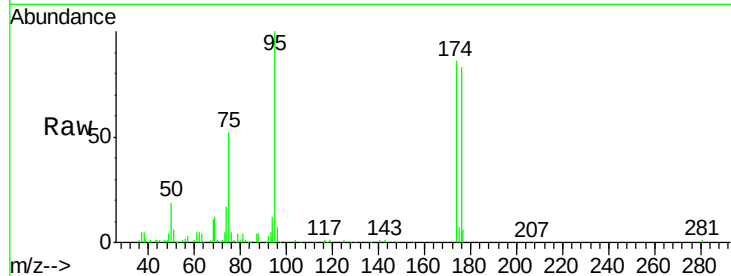
ClientSampleId :

SB3-9.5-10.0DL

Tot Ion:	95	Resp:	122874
Ion Ratio	Lower	Upper	
95	100		
174	85.1	0.0	169.8
176	82.9	0.0	164.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

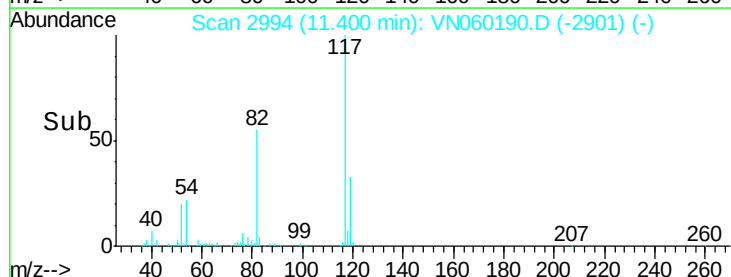
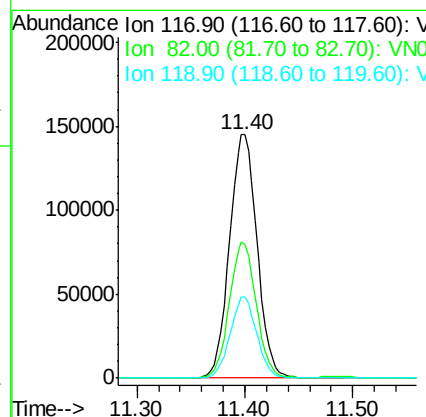
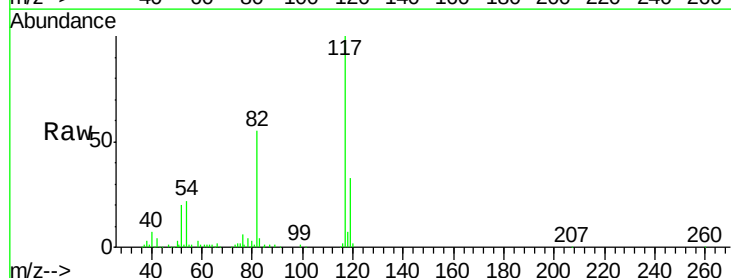
RT: 11.40 min Scan# 2994

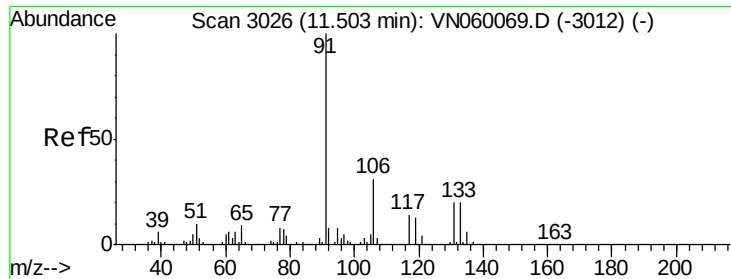
Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Tgt Ion:	117	Resp:	258404
Ion Ratio	Lower	Upper	
117	100		
82	54.6	43.4	65.0
119	33.2	25.8	38.6





#67

Ethyl Benzene

Concen: 18.047 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion: 91 Resp: 171362

Ion Ratio Lower Upper

91 100

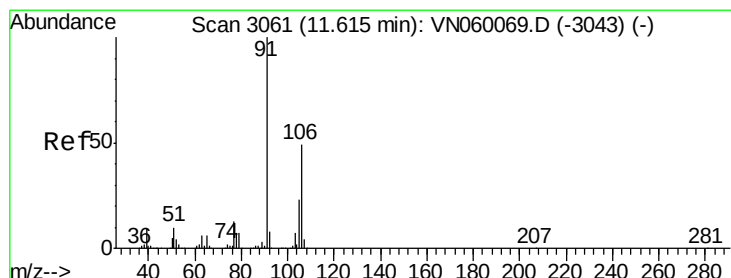
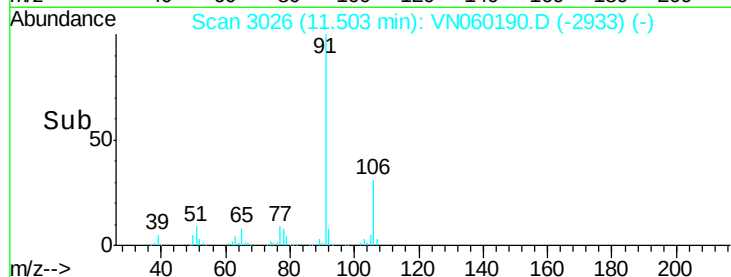
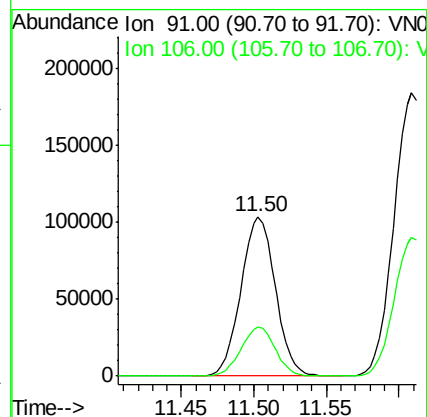
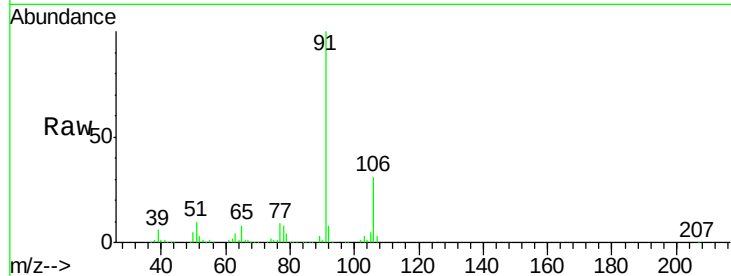
106 31.0 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 47.354 ug/l

RT: 11.61 min Scan# 3059

Delta R.T. -0.01 min

Lab File: VN060190.D

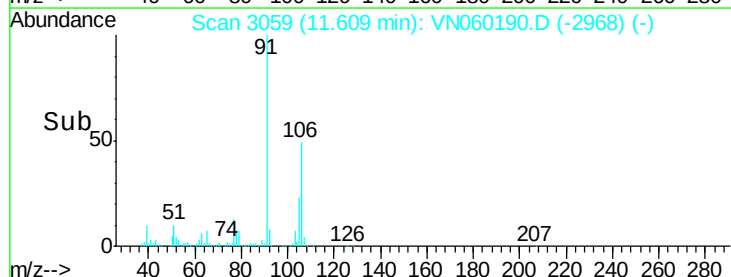
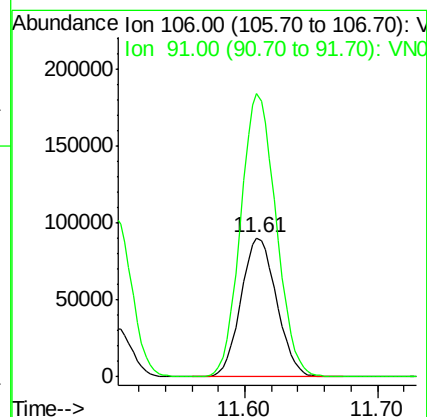
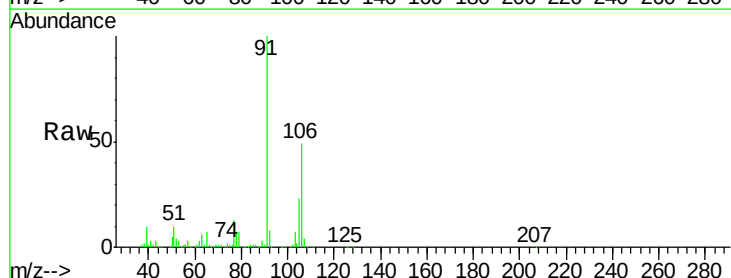
Acq: 21 Feb 2020 15:26

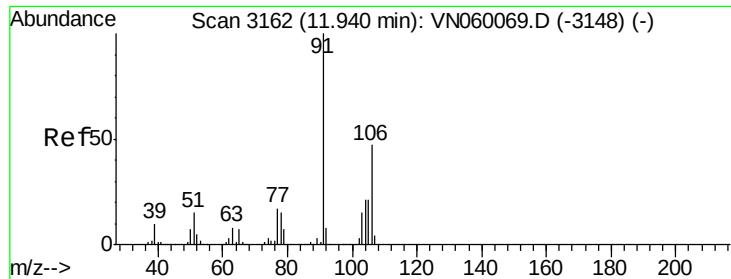
Tgt Ion: 106 Resp: 168753

Ion Ratio Lower Upper

106 100

91 201.9 162.7 244.1





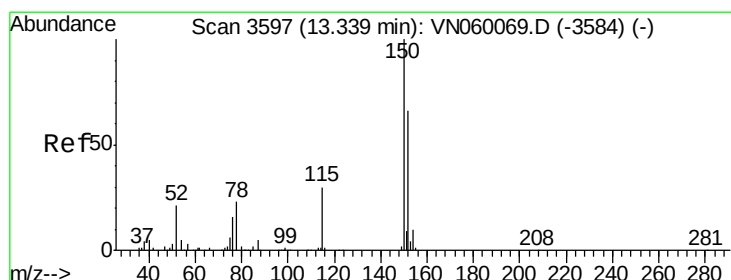
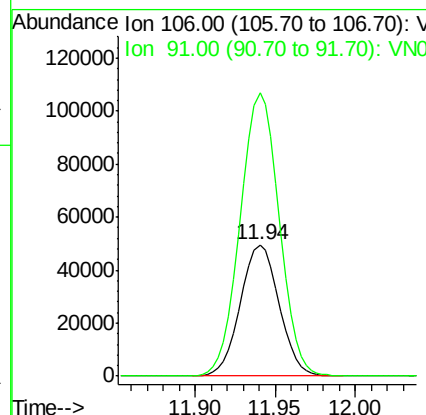
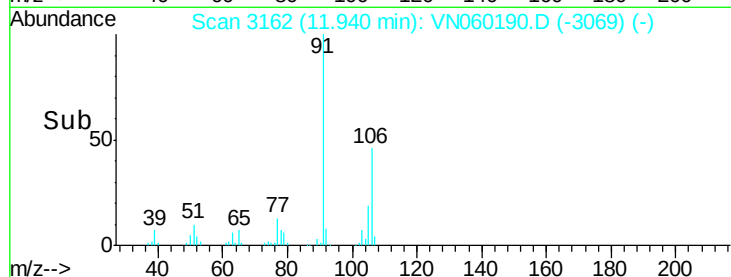
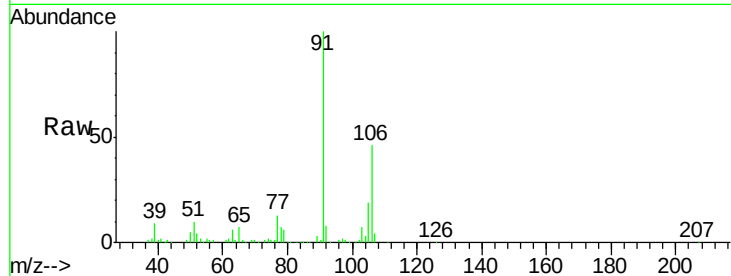
#69
o-Xylene
Concen: 23.806 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0DL

Tot Ion:106 Resp: 81683
Ion Ratio Lower Upper
106 100
91 217.2 107.2 321.6

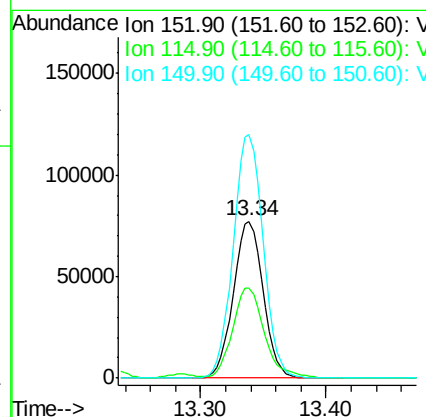
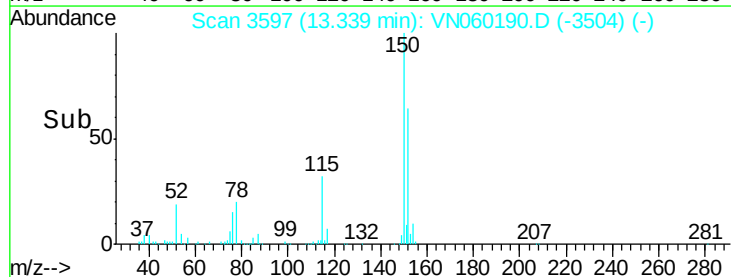
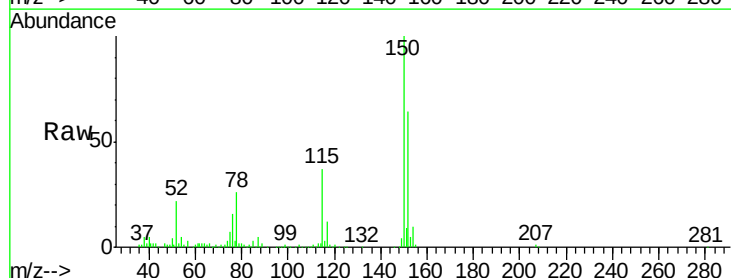
Manual Integrations
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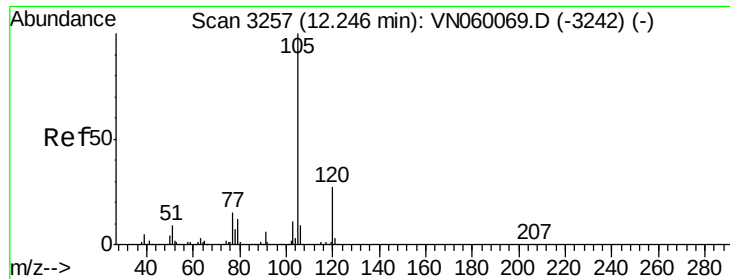
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2/24/2020 11:41:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Tgt Ion:152 Resp: 127475
Ion Ratio Lower Upper
152 100
115 61.6 28.9 86.8
150 155.9 0.0 342.4





#73

Isopropylbenzene

Concen: 8.952 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion: 105 Resp: 85220

Ion Ratio Lower Upper

105 100

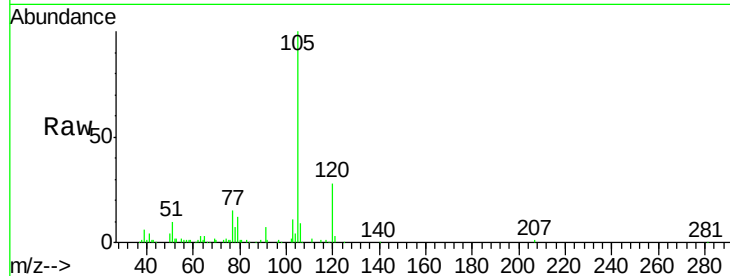
120 26.7 13.3 39.8

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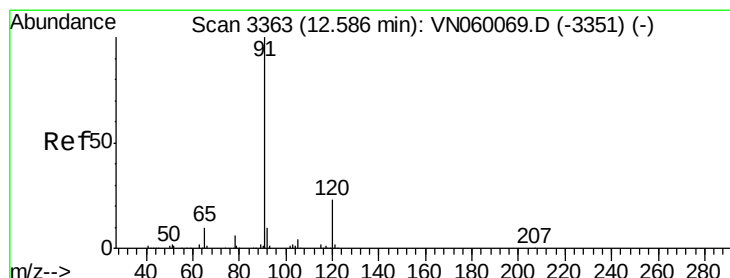
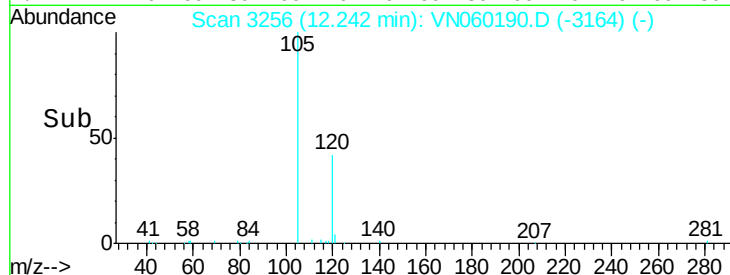


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

Time-->



#78

n-propylbenzene

Concen: 13.374 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060190.D

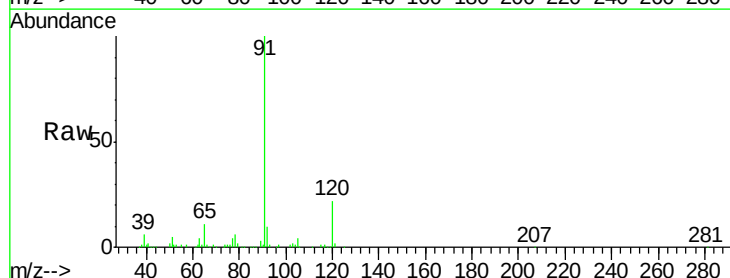
Acq: 21 Feb 2020 15:26

Tgt Ion: 91 Resp: 145051

Ion Ratio Lower Upper

91 100

120 22.7 11.5 34.5

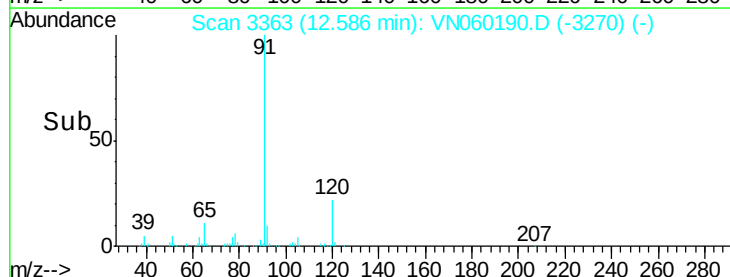


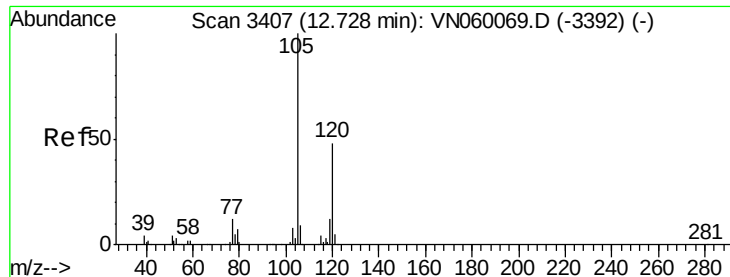
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.59

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 8.781 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion:105 Resp: 69497

Ion Ratio Lower Upper

105 100

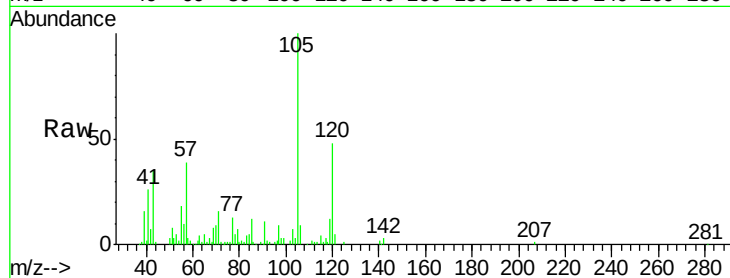
120 50.1 24.3 72.9

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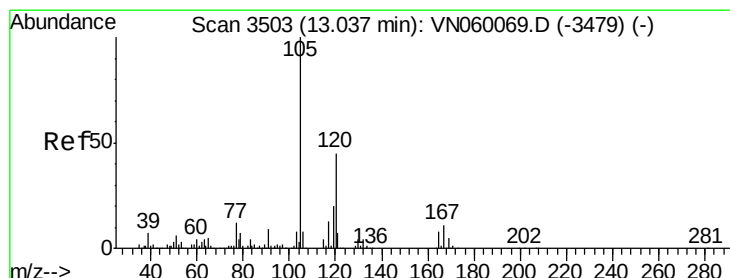
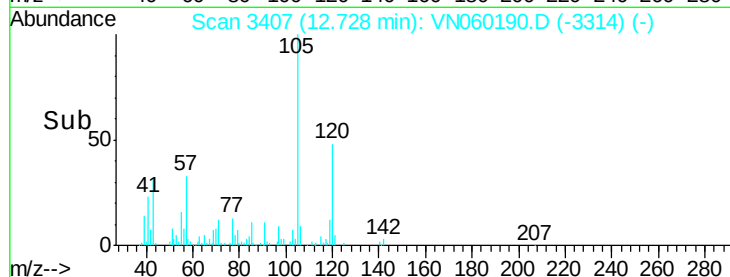
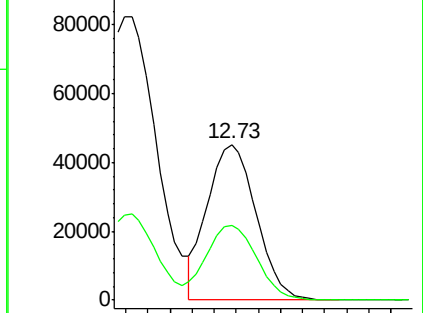
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 36.653 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060190.D

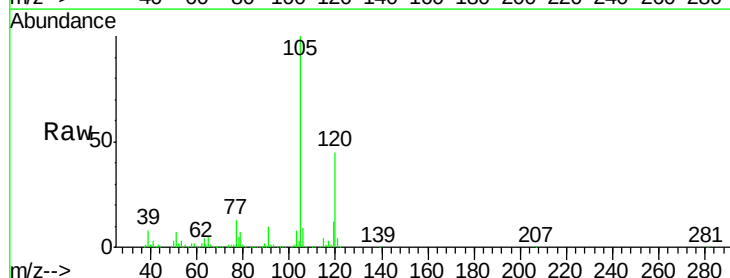
Acq: 21 Feb 2020 15:26

Tgt Ion:105 Resp: 286368

Ion Ratio Lower Upper

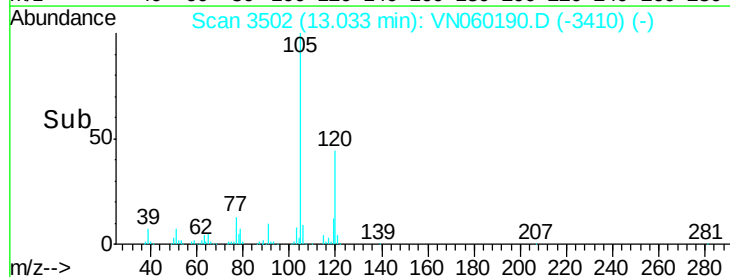
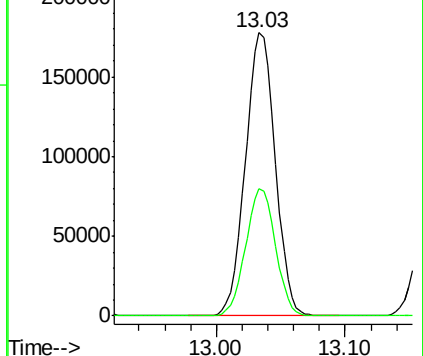
105 100

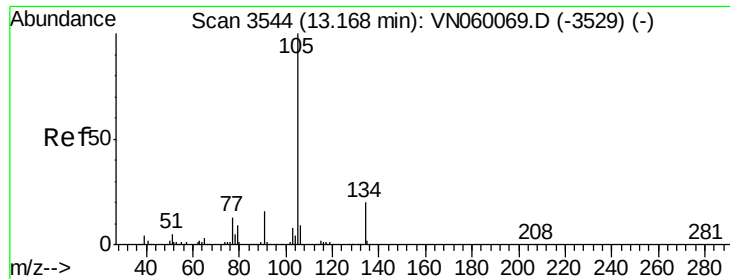
120 44.9 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 11.742 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0DL

Tot Ion:105 Resp: 108876

Ion Ratio Lower Upper

105 100

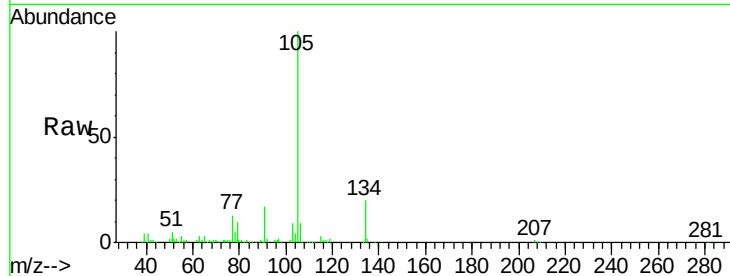
134 21.5 9.9 29.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

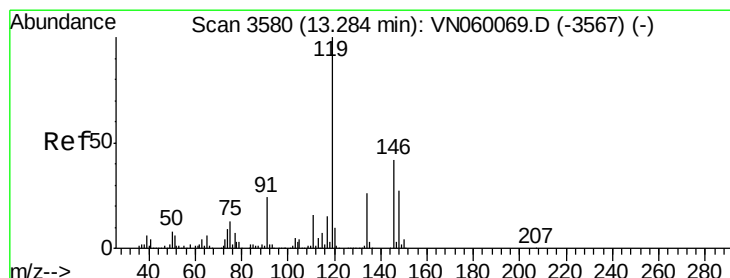
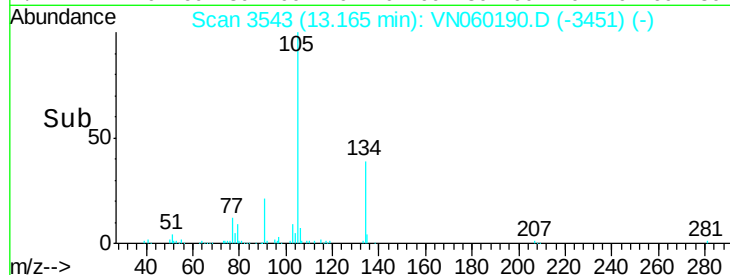
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.126 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060190.D

Acq: 21 Feb 2020 15:26

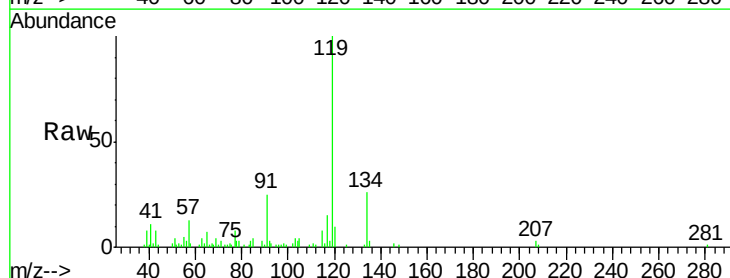
Tgt Ion:119 Resp: 43063

Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 23.1 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

80000

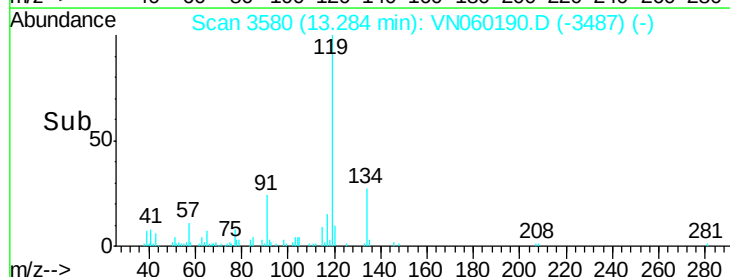
60000

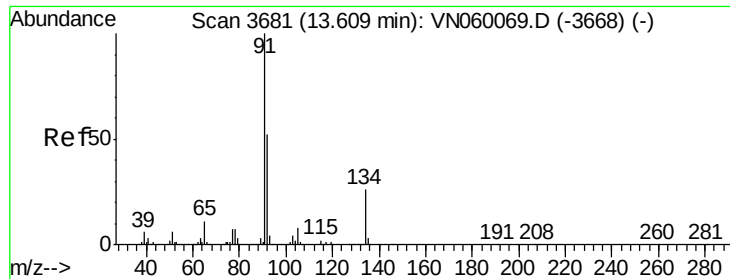
40000

20000

0

Time-->





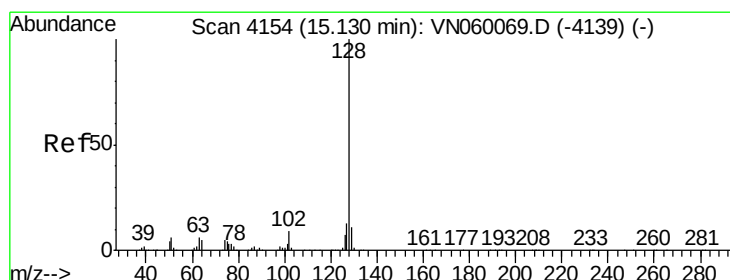
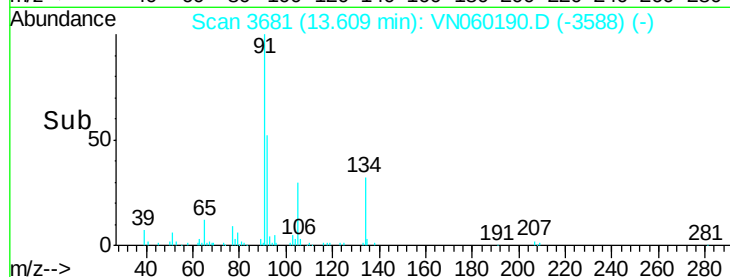
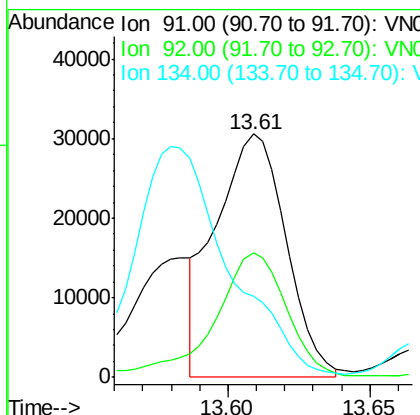
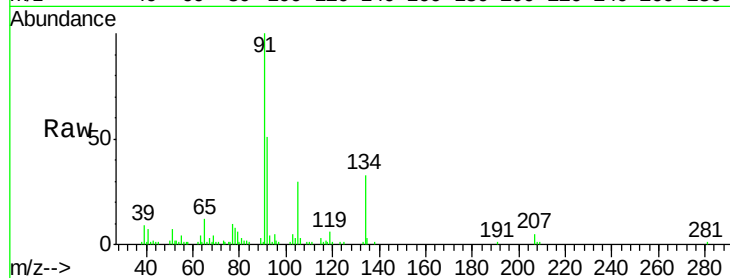
#89
n-Butylbenzene
Concen: 7.128 ug/l m
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.1	78.2
134	0.0	13.1	39.3#

Manual Integrations
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#95
Naphthalene
Concen: 11.648 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060190.D
Acq: 21 Feb 2020 15:26

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.3	15.5
129	12.2	8.6	13.0

