

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062053.D
 Acq On : 23 Jun 2020 19:50
 Operator : JC/MD
 Sample : L3071-07DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-7DL

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:20 AM

Quant Time: Jun 24 02:22:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143517	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	260000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	123351	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	99559	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	7.55	113	84805	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.06	98	346122	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	125013	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.61	56	12582	4.960	ug/l #	72
39) Methylcyclohexane	9.05	83	12063	4.532	ug/l	90
40) Benzene	8.00	78	3712	0.496	ug/l	98
52) Toluene	10.12	92	3537	0.752	ug/l	99
67) Ethyl Benzene	11.48	91	322018	35.008	ug/l	100
68) m/p-Xylenes	11.60	106	274217	77.312	ug/l	100
69) o-Xylene	11.92	106	7690	2.272	ug/l	95
73) Isopropylbenzene	12.22	105	482761	55.075	ug/l	100
78) n-propylbenzene	12.57	91	689237	68.911	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	794479	109.555	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2798697	390.958	ug/l	98
85) sec-Butylbenzene	13.15	105	28418m	3.532	ug/l	
86) p-Isopropyltoluene	13.26	119	7520m	1.049	ug/l	
89) n-Butylbenzene	13.59	91	30552	5.102	ug/l #	66
95) Naphthalene	15.10	128	222643	37.241	ug/l	99

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

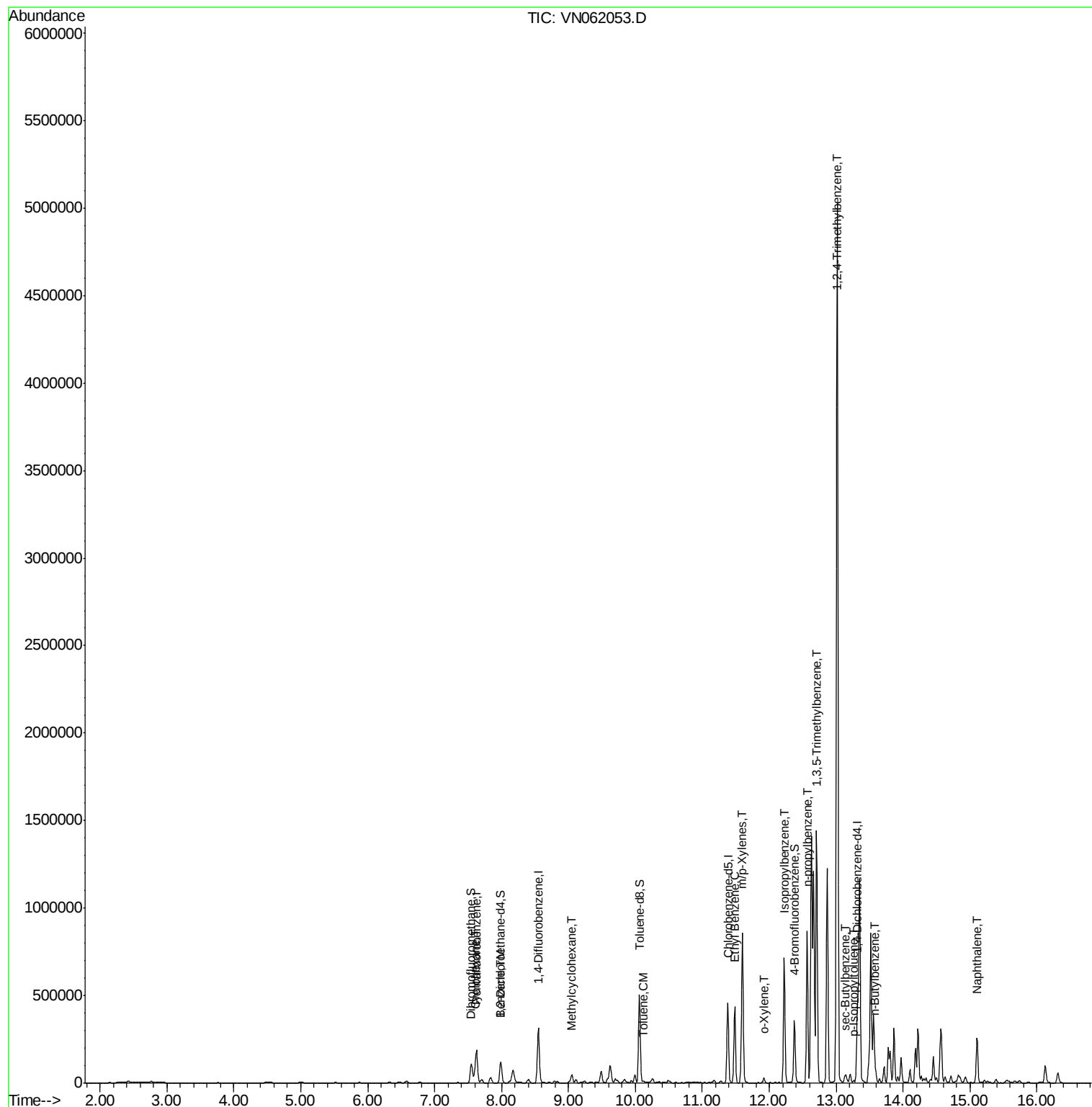
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062320\
Data File : VN062053.D
Acq On : 23 Jun 2020 19:50
Operator : JC/MD
Sample : L3071-07DL 20X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

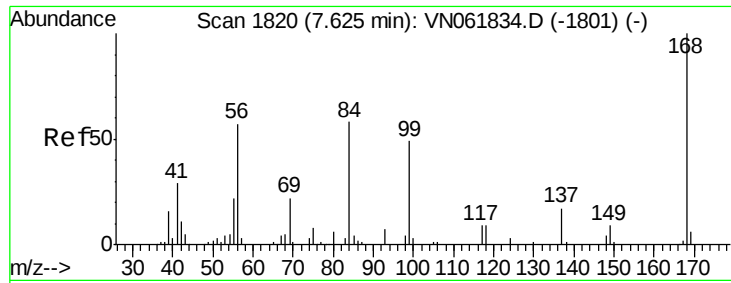
Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

Manual Integrations
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6/24/2020 10:59:20 AM

Quant Time: Jun 24 02:22:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 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: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

Tot Ion:168 Resp: 143517

Ion Ratio Lower Upper

168 100

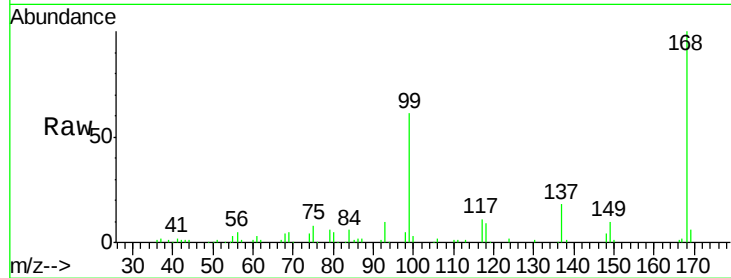
99 60.8 44.6 67.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

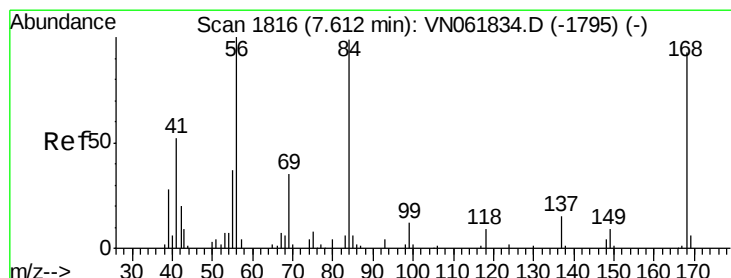
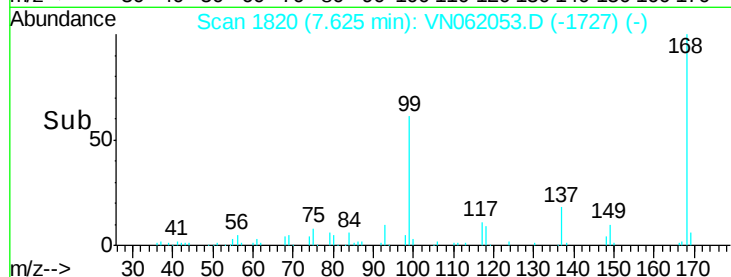
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#31

Cyclohexane

Concen: 4.960 ug/l

RT: 7.61 min Scan# 1814

Delta R.T. -0.01 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

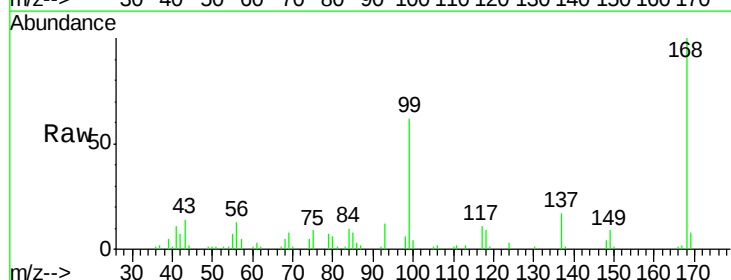
Tgt Ion: 56 Resp: 12582

Ion Ratio Lower Upper

56 100

69 60.1 27.7 41.5#

84 76.3 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

5000

4000

3000

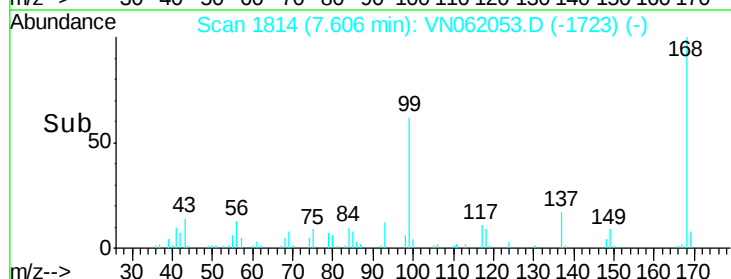
2000

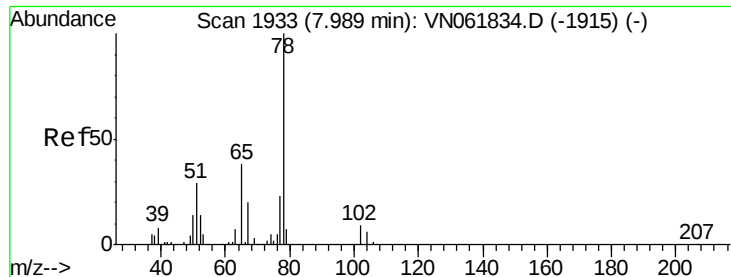
1000

0

7.50 7.55 7.60 7.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.725 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

Tot Ion: 65 Resp: 99559

Ion Ratio Lower Upper

65 100

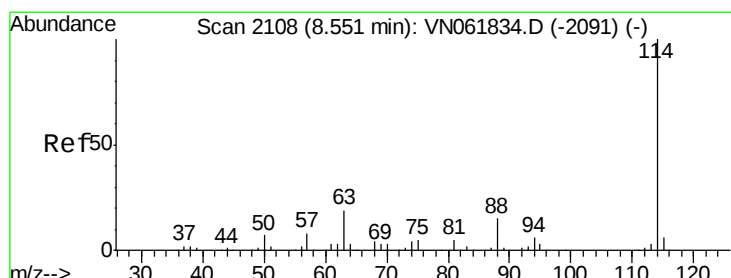
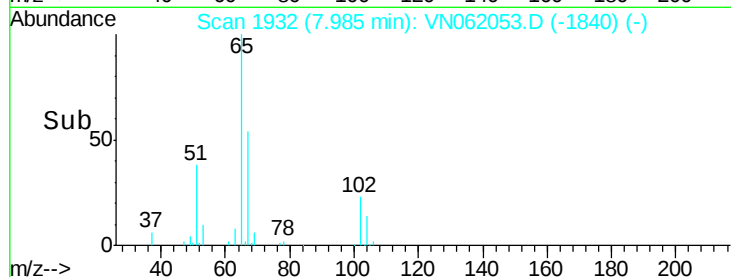
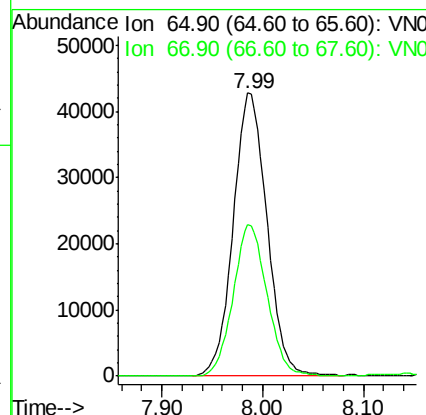
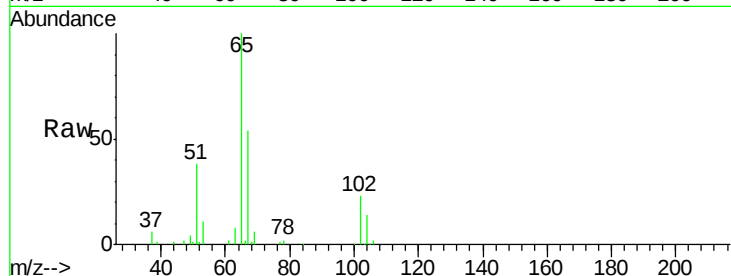
67 53.5 0.0 106.2

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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: VN062053.D

Acq: 23 Jun 2020 19:50

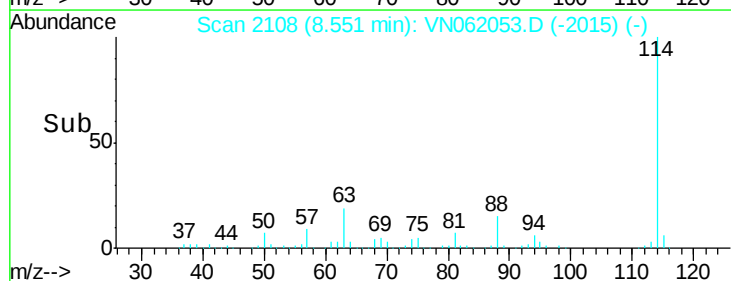
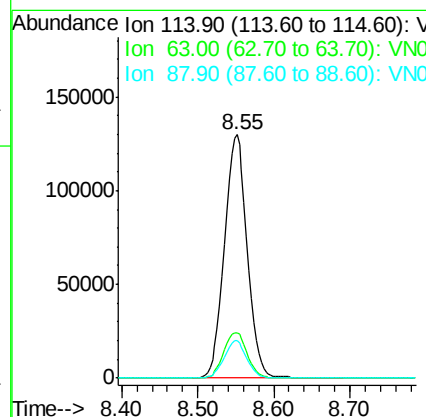
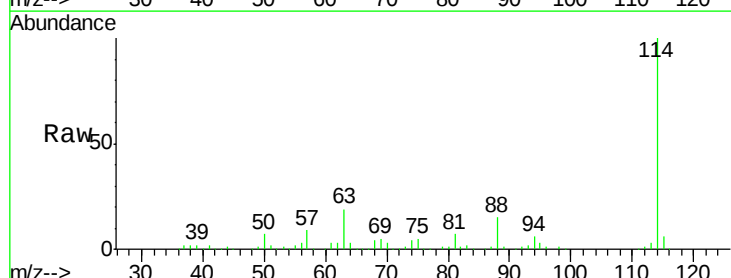
Tgt Ion: 114 Resp: 271013

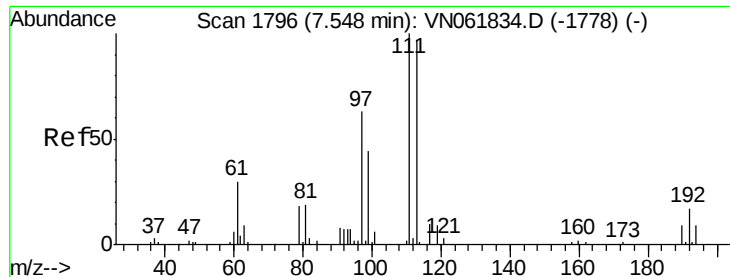
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.6

88 15.4 0.0 31.0





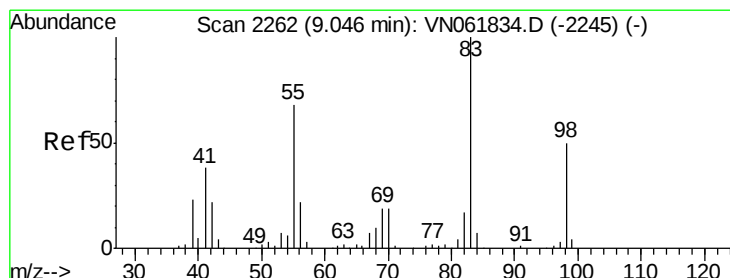
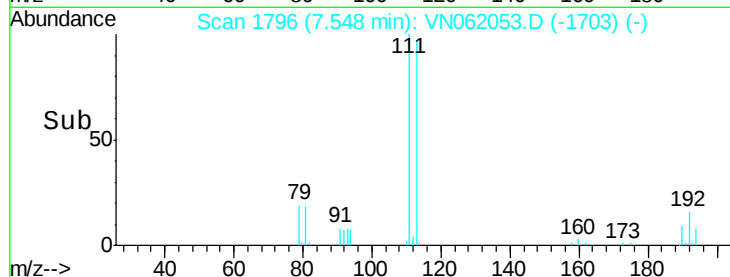
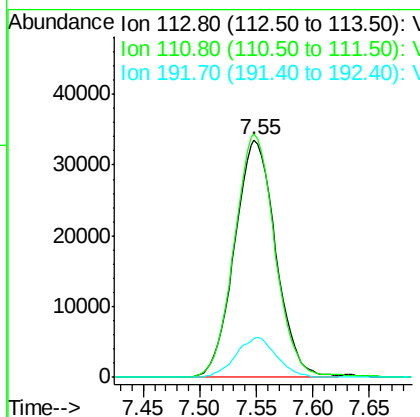
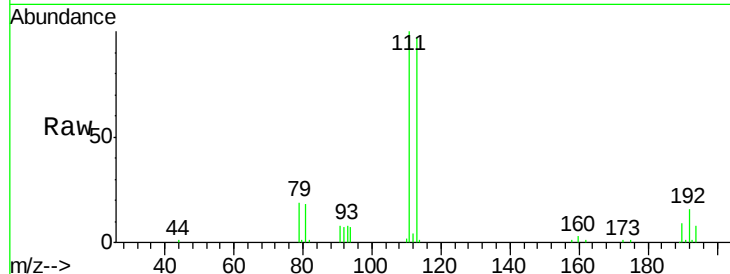
#35
Dibromofluoromethane
Concen: 48.913 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampled :
TW-7DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	83.7	125.5	
192	16.6	13.9	20.9	

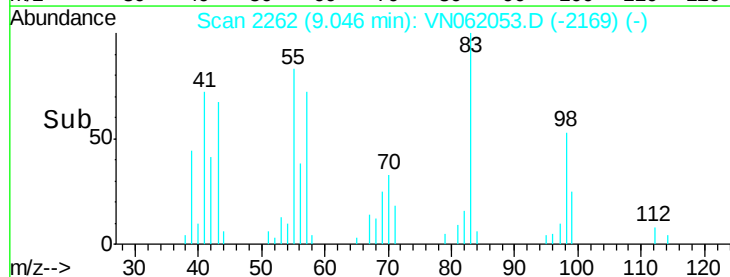
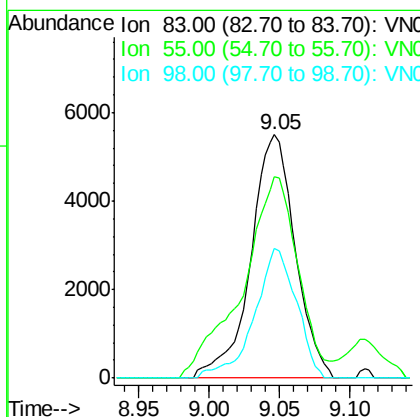
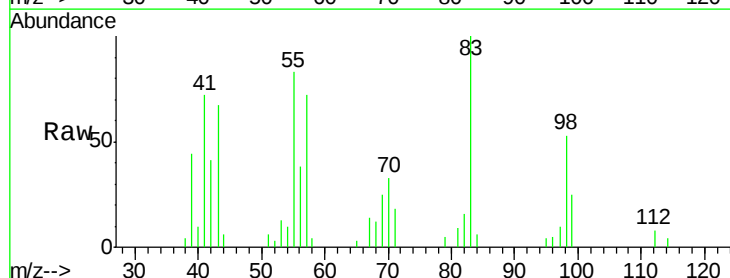
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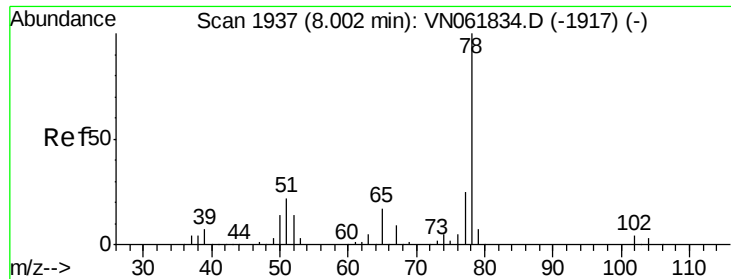
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#39
Methylcyclohexane
Concen: 4.532 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.1	54.2	81.4	
98	53.2	39.8	59.6	





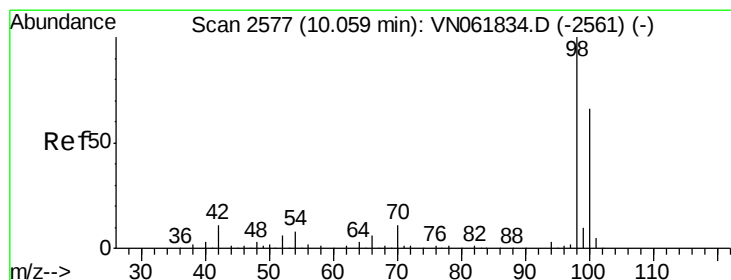
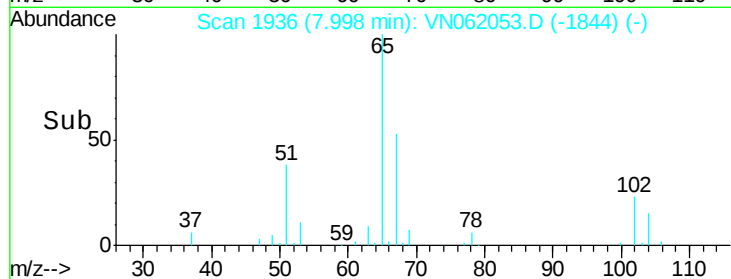
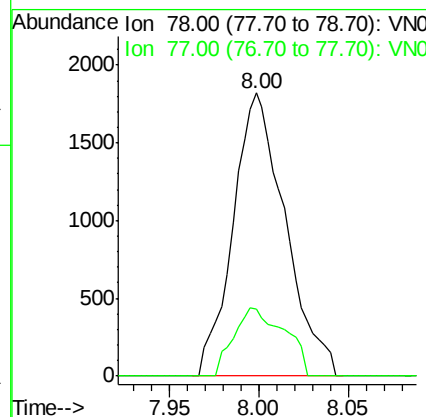
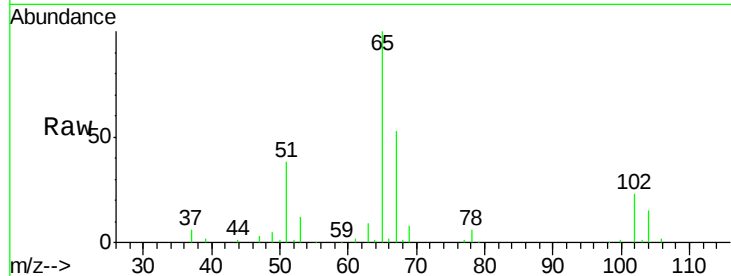
#40
Benzene
Concen: 0.496 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampled :
TW-7DL

Tot Ion: 78 Resp: 3712
Ion Ratio Lower Upper
78 100
77 23.7 19.7 29.5

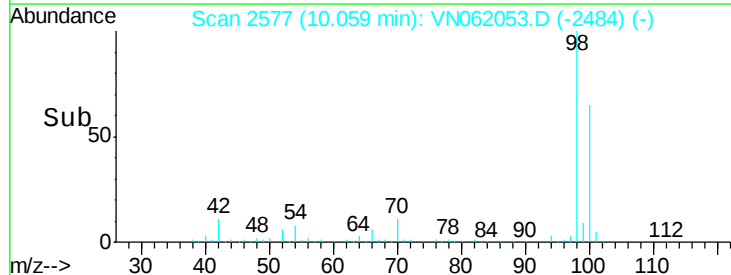
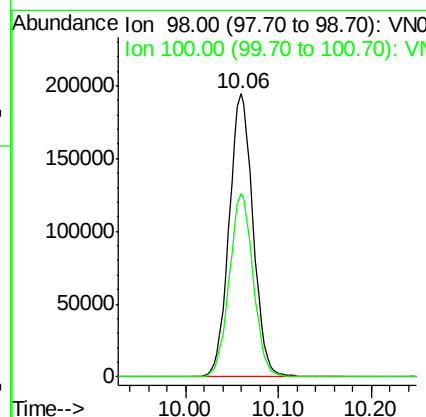
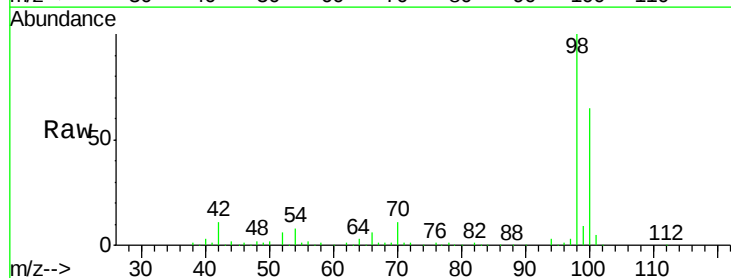
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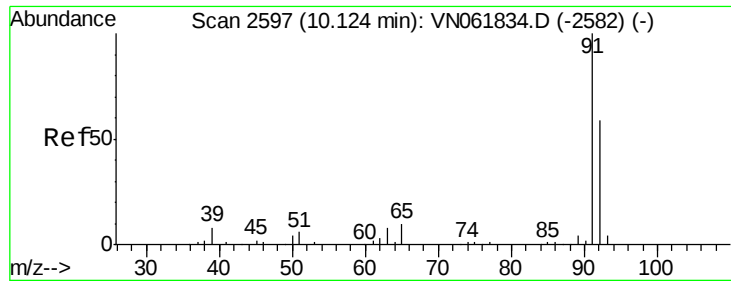
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#50
Toluene-d8
Concen: 50.779 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion: 98 Resp: 346122
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1





#52

Toluene

Concen: 0.752 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

Tot Ion: 92 Resp: 3537

Ion Ratio Lower Upper

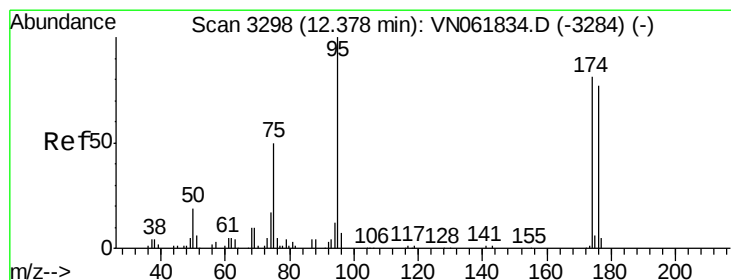
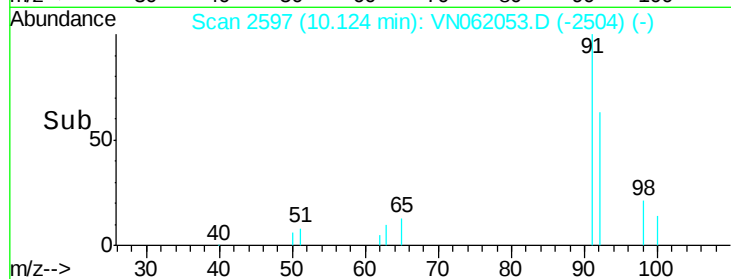
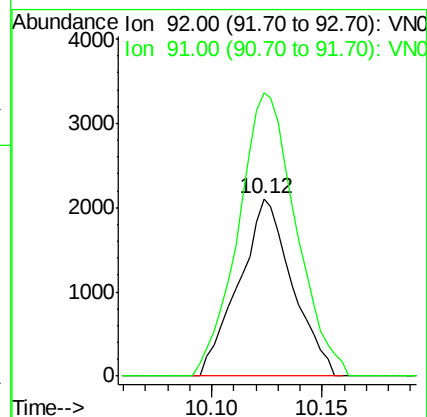
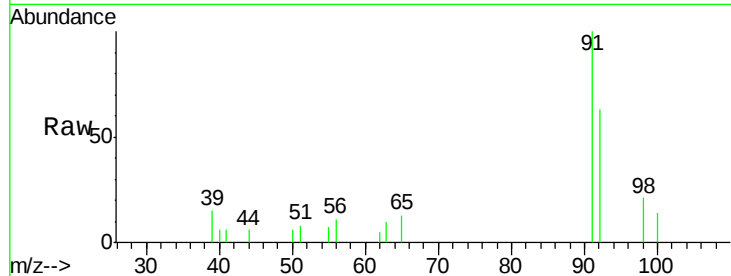
92 100

91 172.6 137.1 205.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 53.468 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

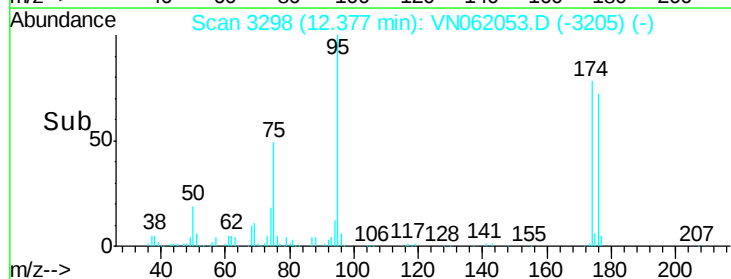
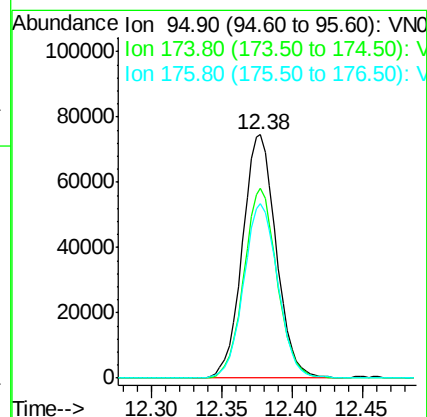
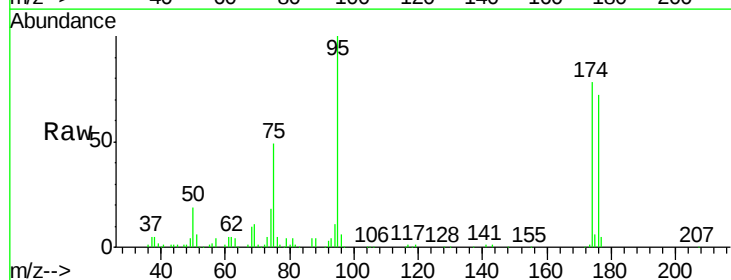
Tgt Ion: 95 Resp: 125013

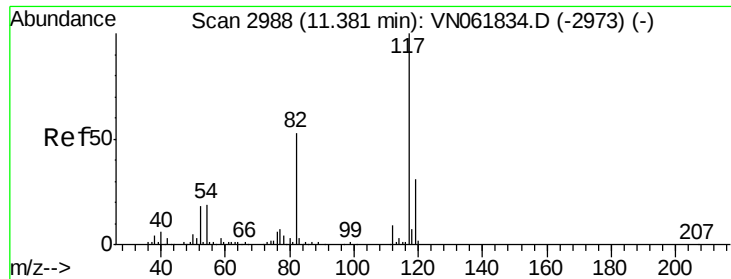
Ion Ratio Lower Upper

95 100

174 76.3 0.0 158.6

176 72.6 0.0 152.0





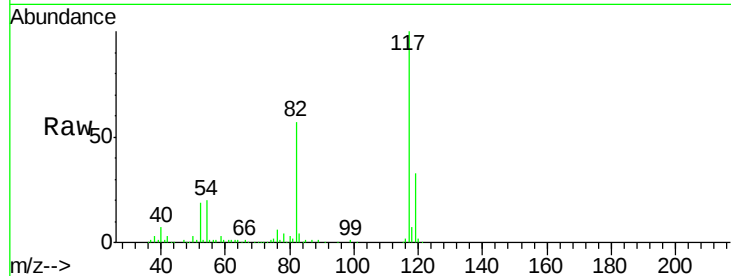
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	42.6	64.0
119	33.3	24.7	37.1

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6/24/2020 10:59:20 AM

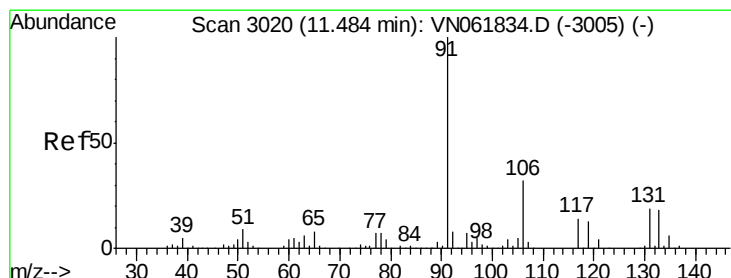
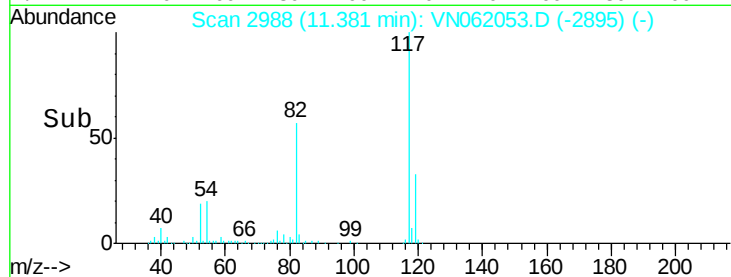
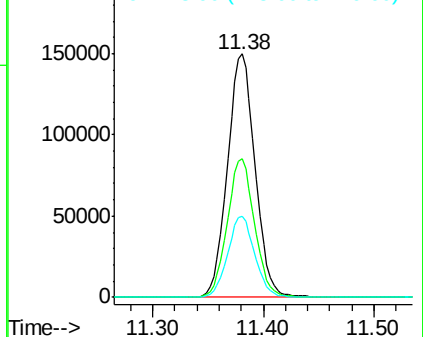


Abundance

Ion 116.90 (116.60 to 117.60): V

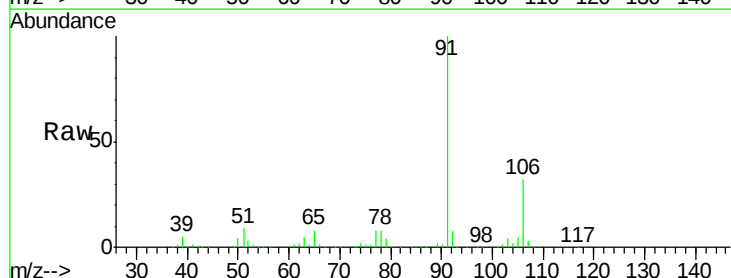
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67
Ethyl Benzene
Concen: 35.008 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

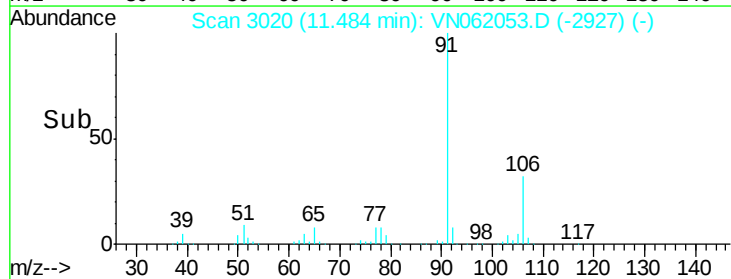
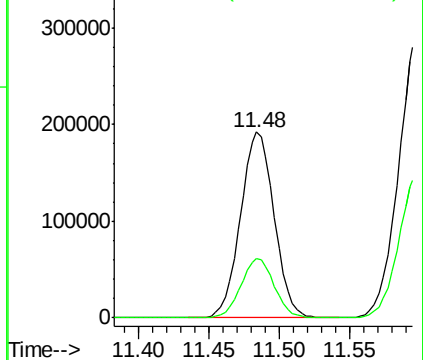
Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.4	38.2

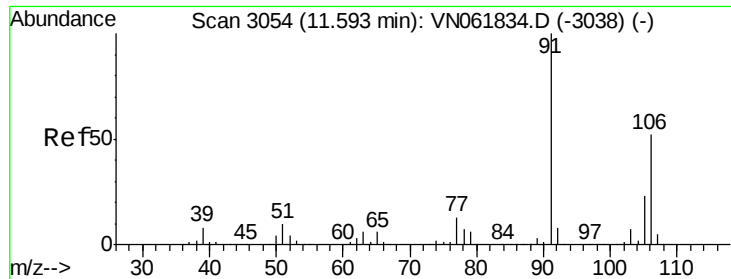


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





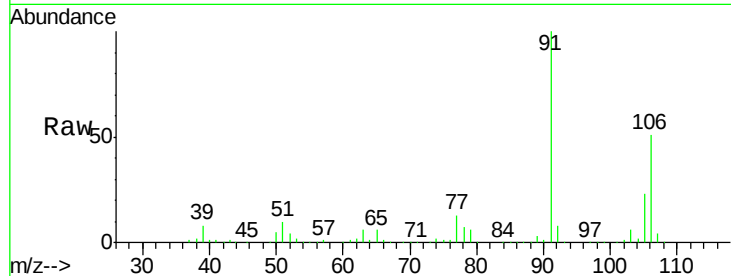
#68
m/p-Xylenes
Concen: 77.312 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampled :
TW-7DL

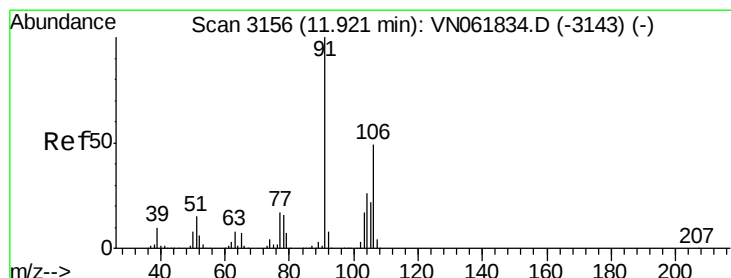
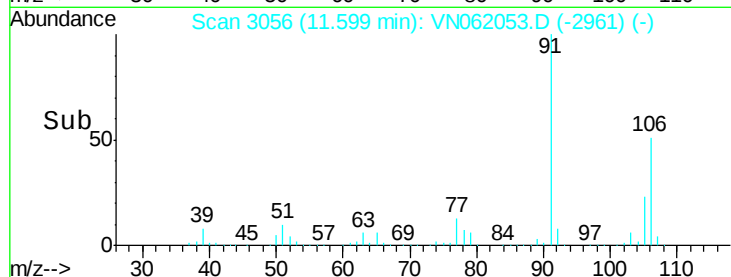
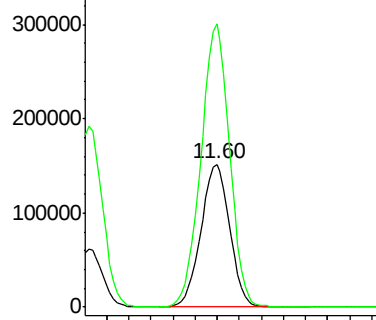
Tot Ion:106 Resp: 274217
Ion Ratio Lower Upper
106 100
91 196.7 157.0 235.6

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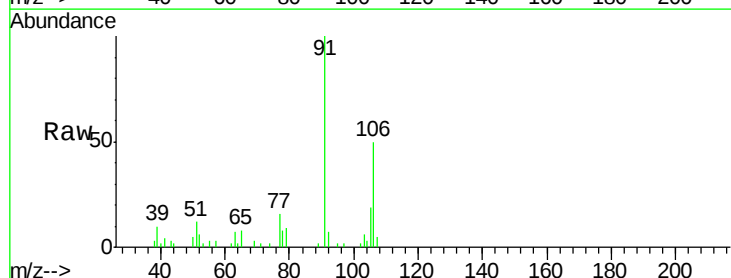


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

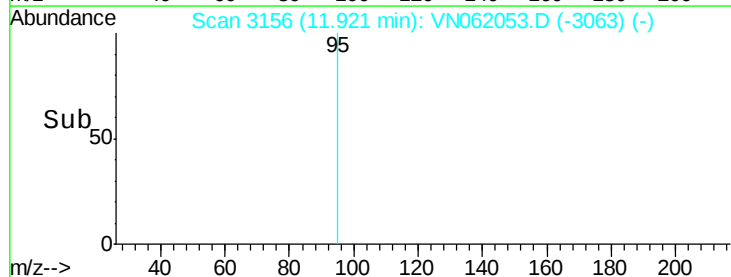
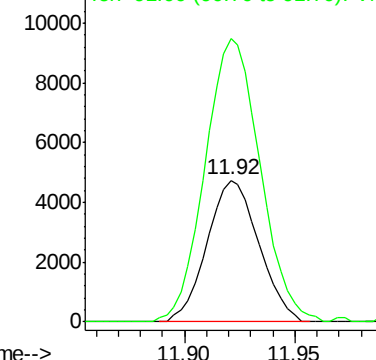


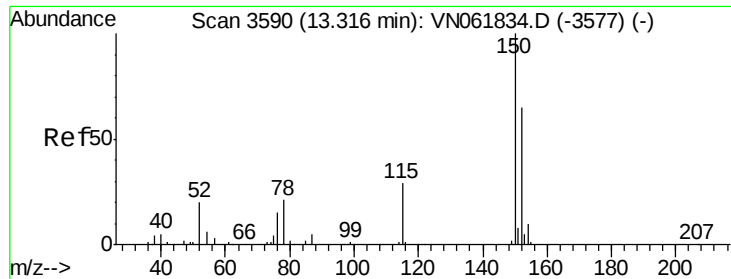
#69
o-Xylene
Concen: 2.272 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Tgt Ion:106 Resp: 7690
Ion Ratio Lower Upper
106 100
91 213.2 103.0 308.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

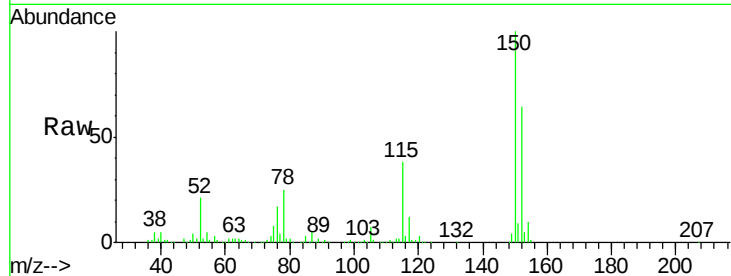
ClientSampled :

TW-7DL

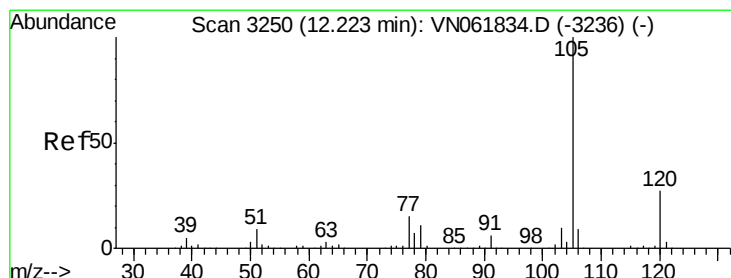
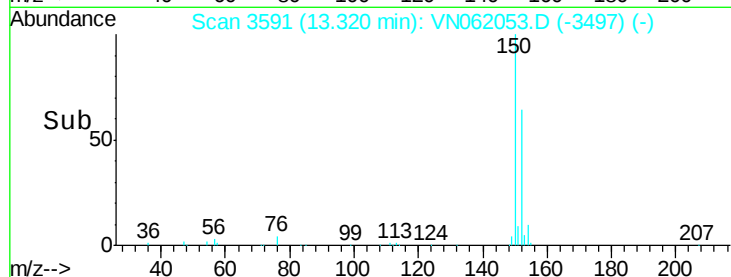
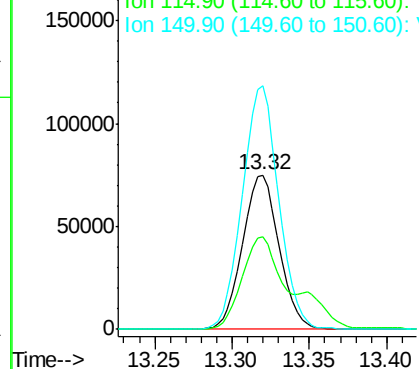
Tot Ion:	152	Resp:	123351
Ion Ratio	Lower	Upper	
152	100		
115	63.0	29.1	87.3
150	157.0	0.0	347.6

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.075 ug/l

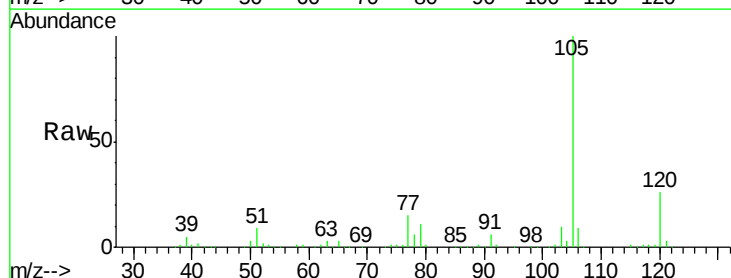
RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

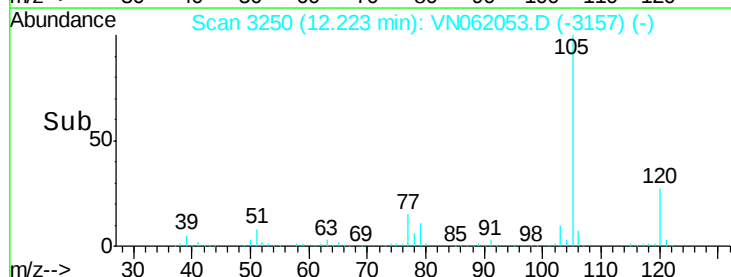
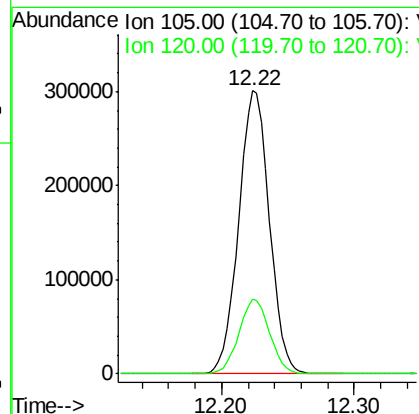
Lab File: VN062053.D

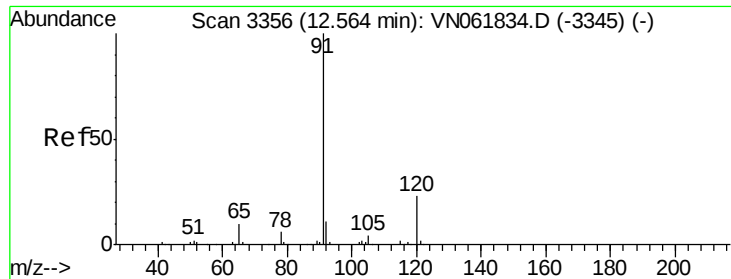
Acq: 23 Jun 2020 19:50

Tgt Ion:	105	Resp:	482761
Ion Ratio	Lower	Upper	
105	100		
120	26.4	13.3	39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 68.911 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062053.D

Acq: 23 Jun 2020 19:50

Instrument :

MSVOA_N

ClientSampled :

TW-7DL

Tot Ion: 91 Resp: 689237

Ion Ratio Lower Upper

91 100

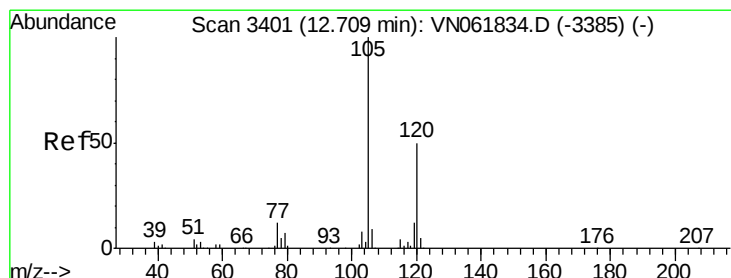
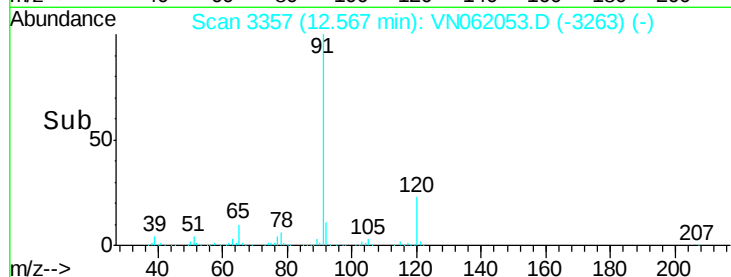
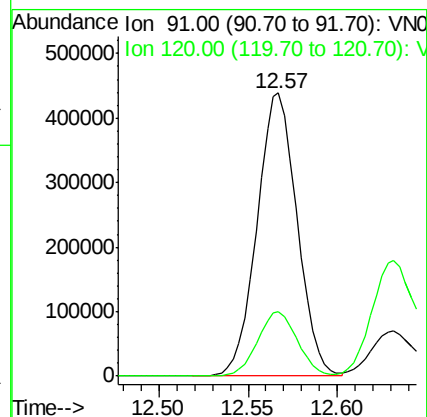
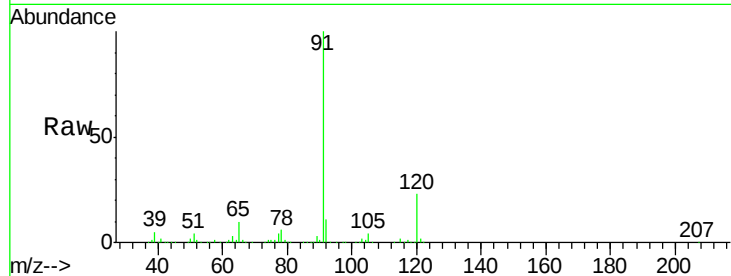
120 22.6 11.6 34.8

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#80

1,3,5-Trimethylbenzene

Concen: 109.555 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062053.D

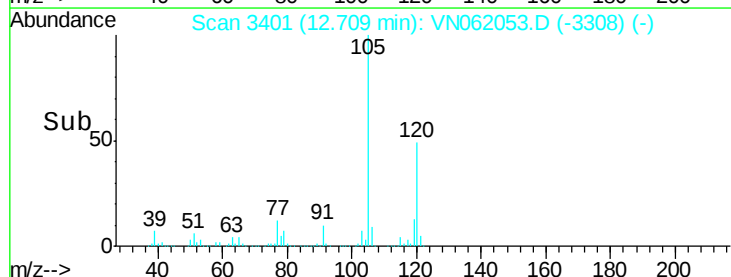
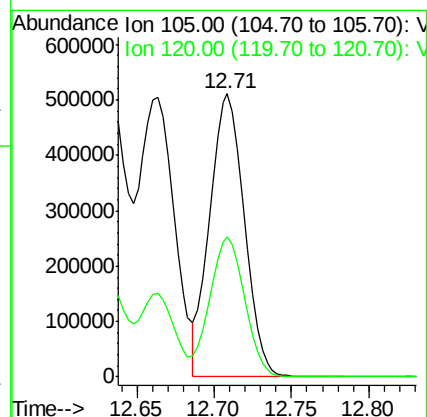
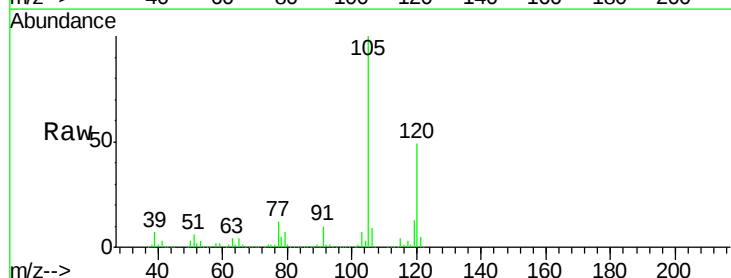
Acq: 23 Jun 2020 19:50

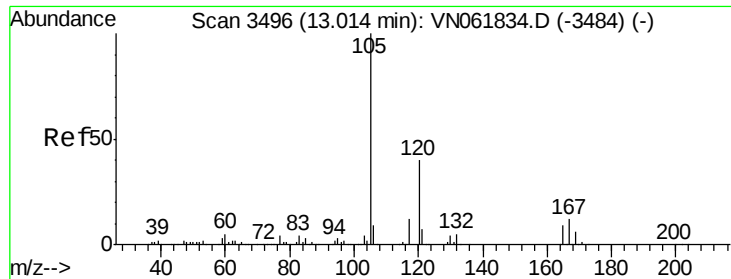
Tgt Ion: 105 Resp: 794479

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7





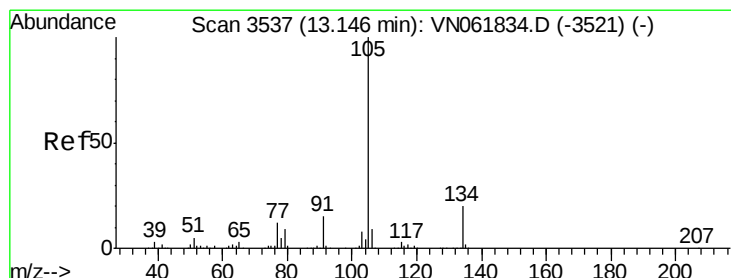
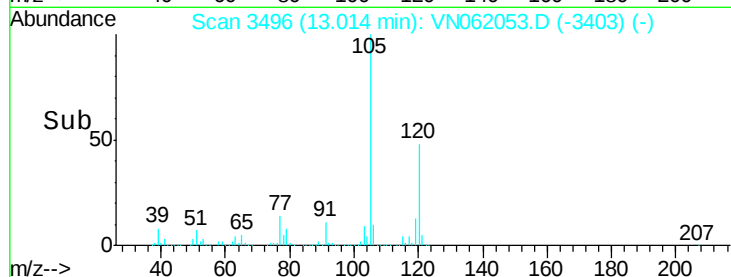
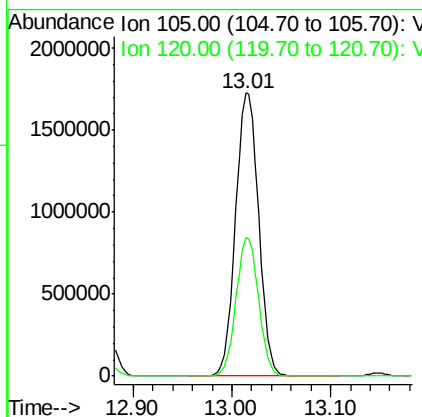
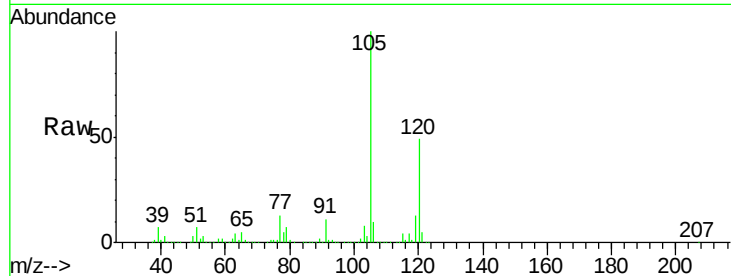
#84
 1,2,4-Trimethylbenzene
 Concen: 390.958 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Instrument :
 MSVOA_N
 ClientSampled :
 TW-7DL

Tot Ion:105 Resp: 2798697
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.3 69.9

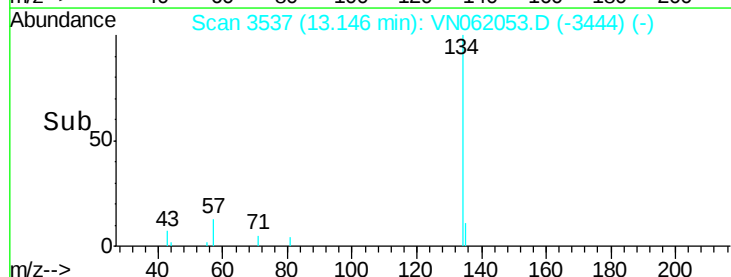
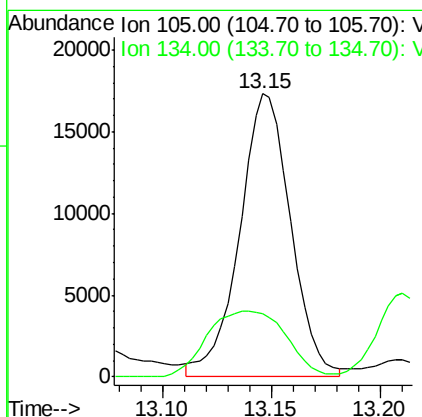
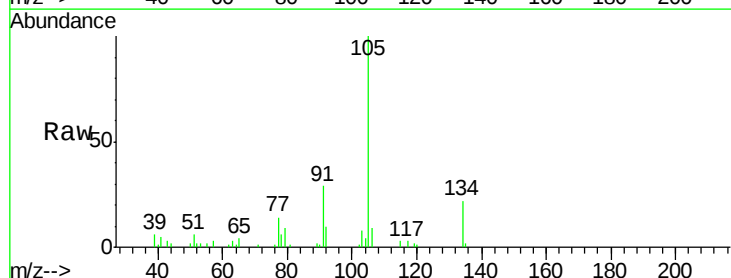
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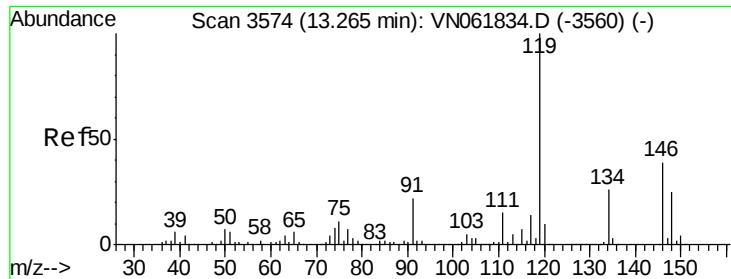
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#85
 sec-Butylbenzene
 Concen: 3.532 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion:105 Resp: 28418
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#





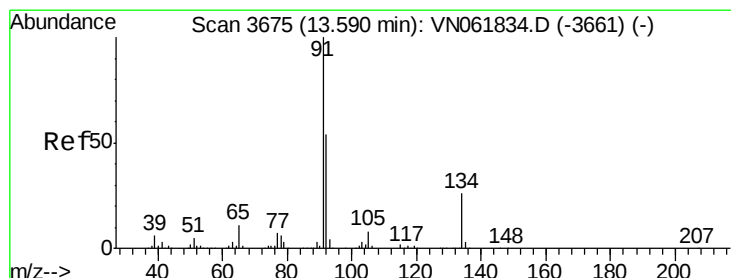
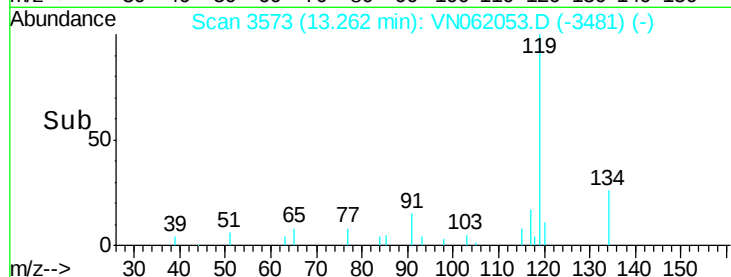
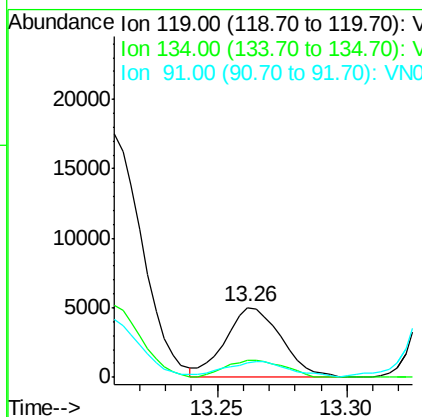
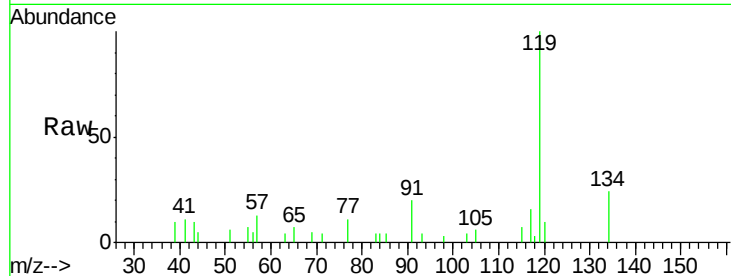
#86
 p-Isopropyltoluene
 Concen: 1.049 ug/l m
 RT: 13.26 min Scan# 3573
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Instrument :
 MSVOA_N
 ClientSampled :
 TW-7DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	104.9	13.3	39.9#
91	0.0	11.2	33.6#

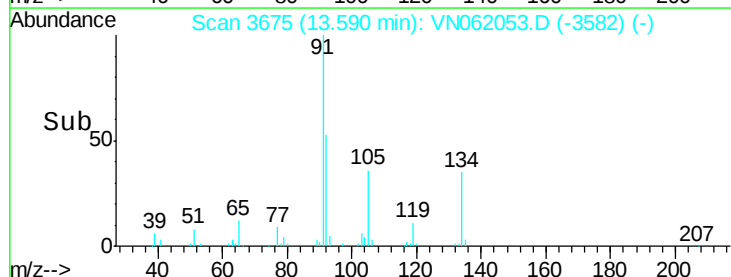
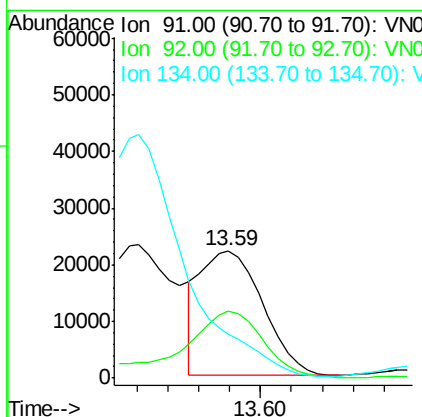
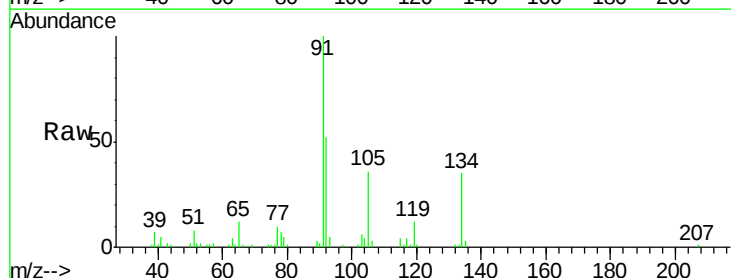
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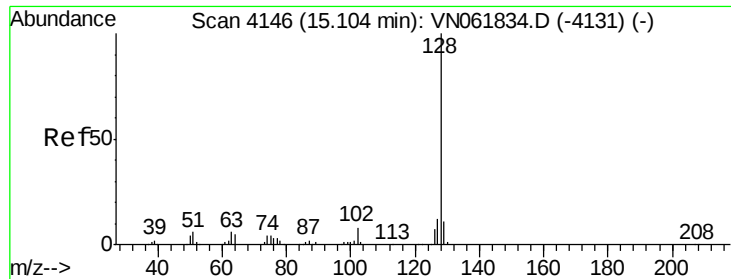
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#89
 n-Butylbenzene
 Concen: 5.102 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062053.D
 Acq: 23 Jun 2020 19:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	72.5	27.0	80.8
134	0.0	13.0	39.0#





#95
Naphthalene
Concen: 37.241 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062053.D
Acq: 23 Jun 2020 19:50

Instrument :
MSVOA_N
ClientSampleId :
TW-7DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	222643		
127	12.7		10.3	15.5
129	11.3		8.6	13.0

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