

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058662.D
 Acq On : 9 Oct 2019 23:34
 Operator : JC/SP
 Sample : K5184-08DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

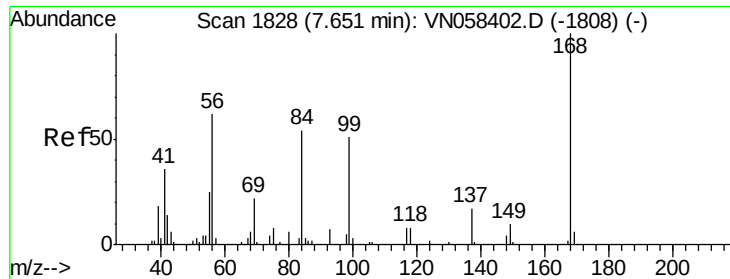
Manual Integrations
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Quant Time: Oct 10 05:49:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	654978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	276966	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	326086	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
35) Dibromofluoromethane	7.57	113	235538	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.08	98	930475	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.41	95	317021	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	68409	6.986	ug/l #	88
39) Methylcyclohexane	9.07	83	45278	5.329	ug/l	93
40) Benzene	8.02	78	559469	26.752	ug/l	99
52) Toluene	10.15	92	57926	4.401	ug/l	98
67) Ethyl Benzene	11.51	91	268723	11.395	ug/l	99
68) m/p-Xylenes	11.62	106	110469	12.451	ug/l	99
69) o-Xylene	11.95	106	8786	1.029	ug/l	85
73) Isopropylbenzene	12.25	105	403483	19.712	ug/l	100
78) n-propylbenzene	12.59	91	351329	15.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	60417	3.526	ug/l	99
83) tert-Butylbenzene	13.00	119	7742	0.535	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	9293	0.541	ug/l	92
85) sec-Butylbenzene	13.18	105	22417	1.178	ug/l #	58
86) p-Isopropyltoluene	13.29	119	4404m	0.263	ug/l	
89) n-Butylbenzene	13.62	91	20717m	1.365	ug/l	
95) Naphthalene	15.13	128	91303	6.722	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion:168 Resp: 484183

Ion Ratio Lower Upper

168 100

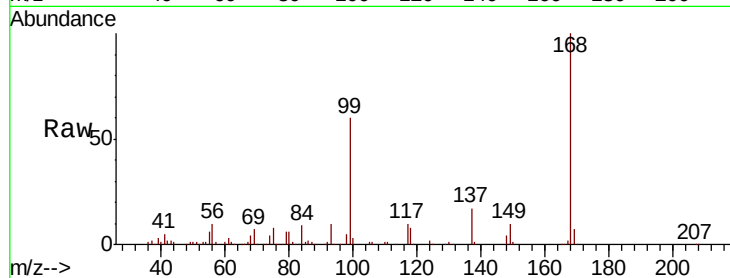
99 59.5 47.7 71.5

Manual Integrations

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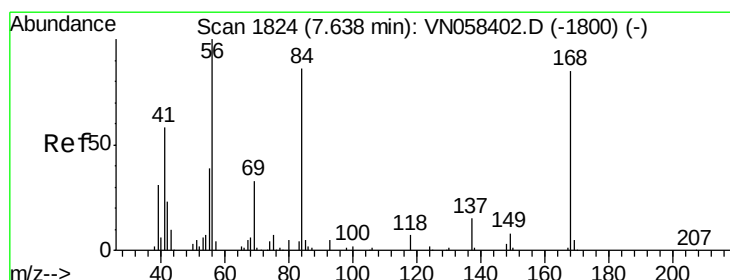
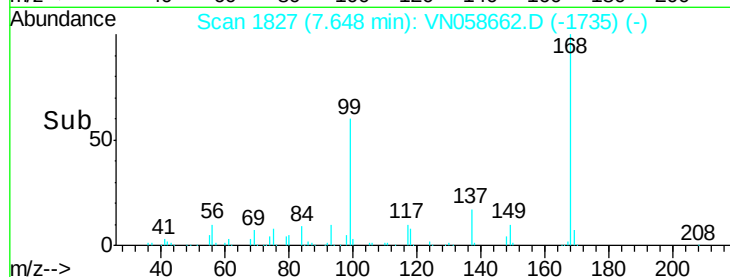
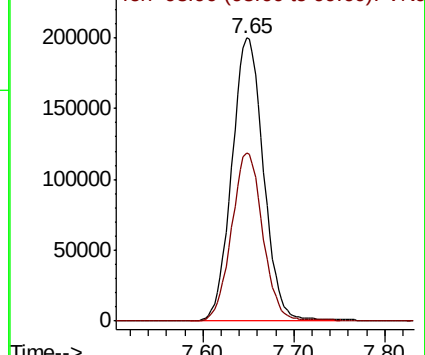
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#31

Cyclohexane

Concen: 6.986 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

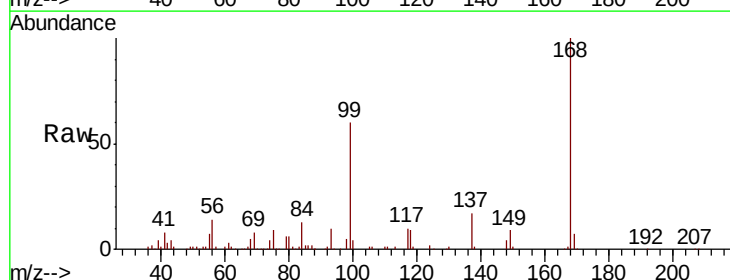
Tgt Ion: 56 Resp: 68409

Ion Ratio Lower Upper

56 100

69 51.5 26.2 39.4#

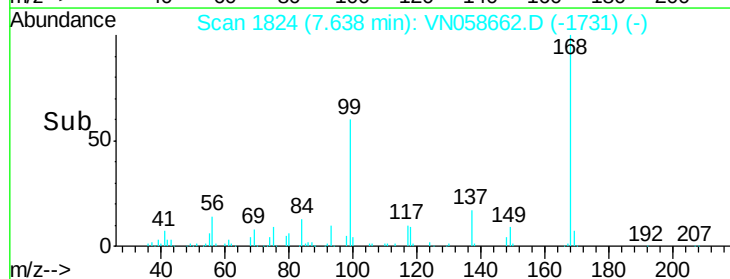
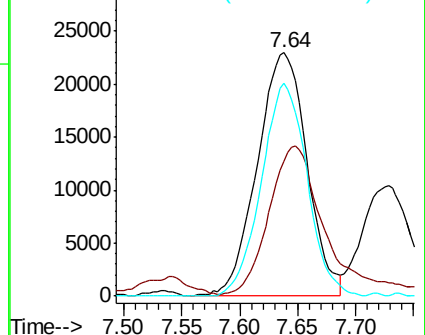
84 87.4 67.6 101.4

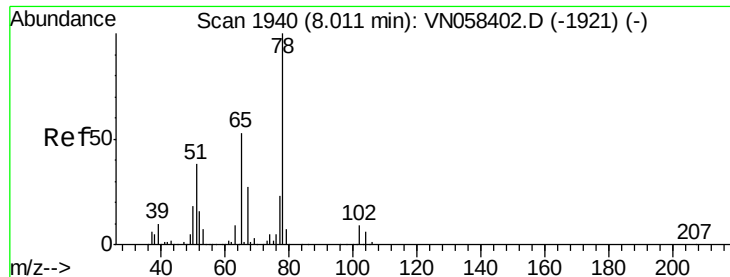


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





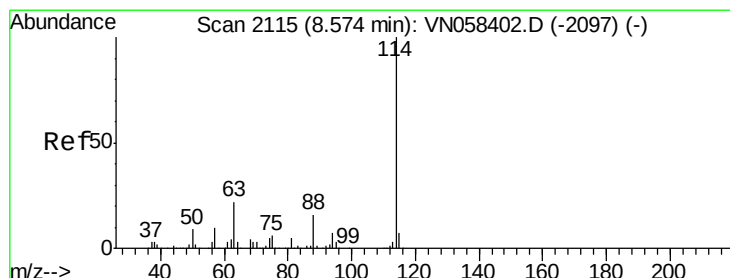
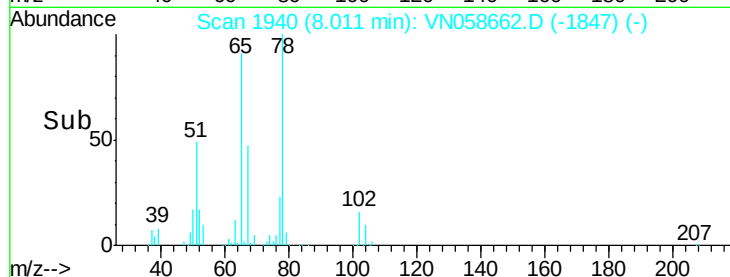
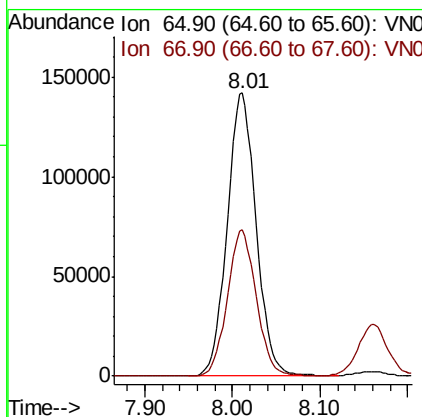
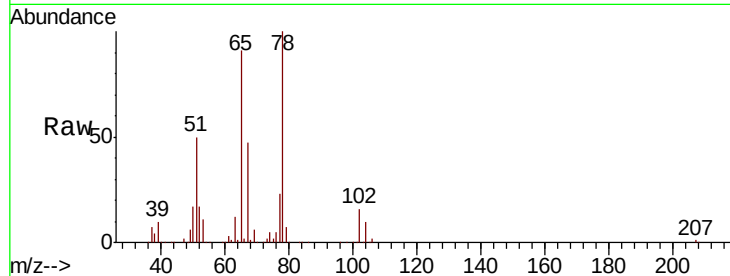
#33
 1,2-Dichloroethane-d4
 Concen: 46.086 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	102.4	

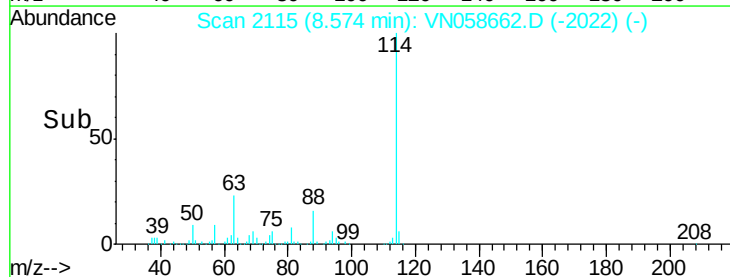
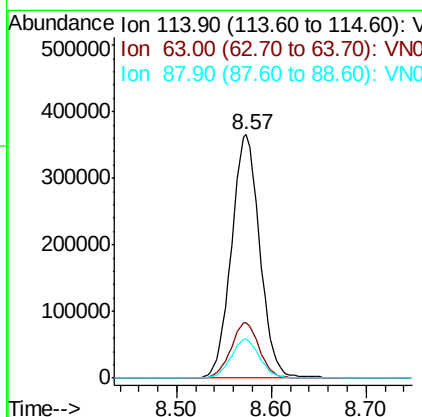
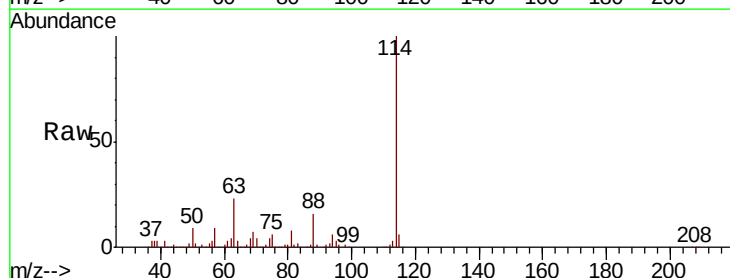
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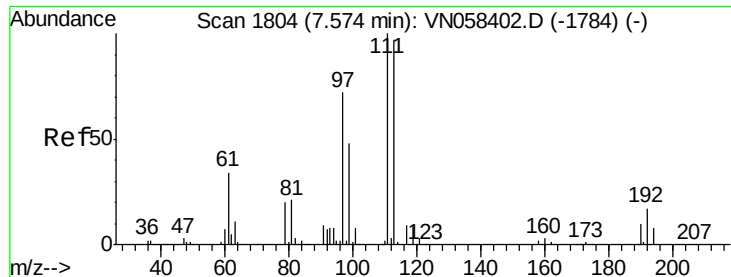
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058662.D
 Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	45.0	
88	15.8	0.0	32.2	





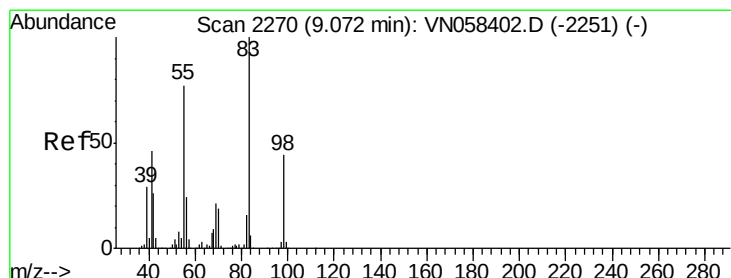
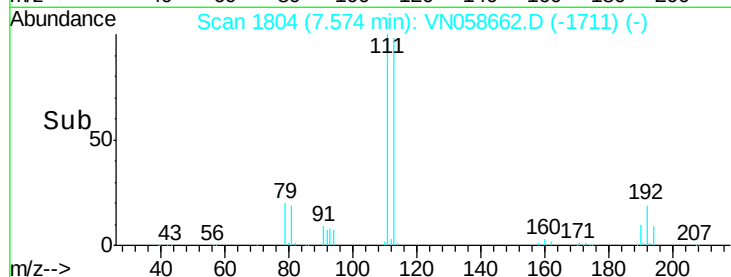
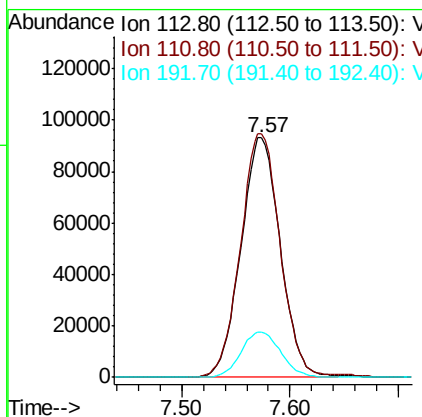
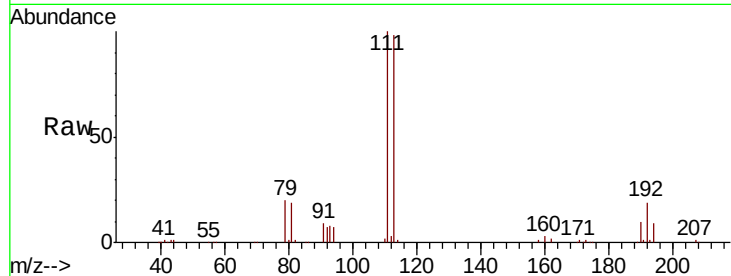
#35
Dibromofluoromethane
Concen: 50.508 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	235538		
111	102.1	83.4	125.2	
192	19.1	14.9	22.3	

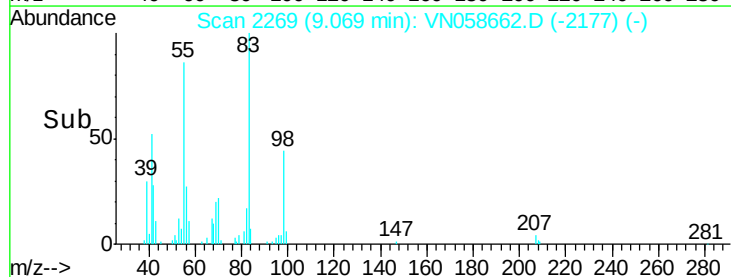
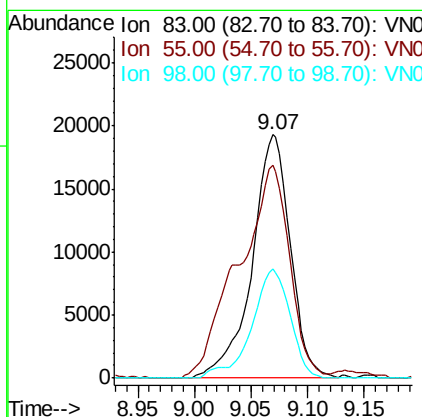
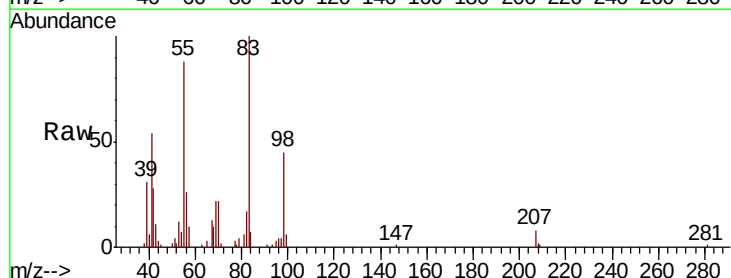
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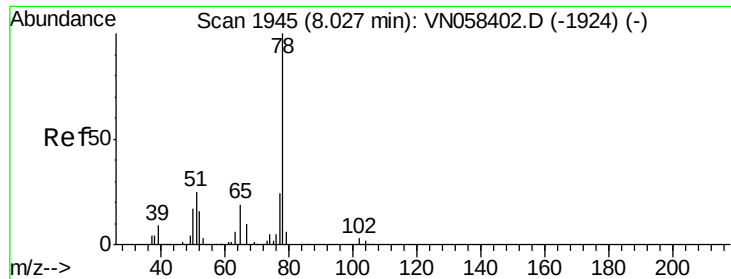
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#39
Methylcyclohexane
Concen: 5.329 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	45278		
55	85.8	61.8	92.6	
98	44.7	35.4	53.0	





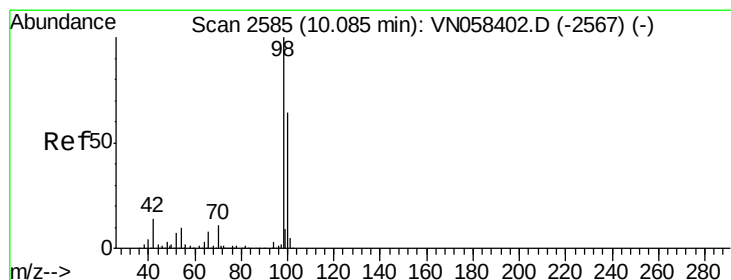
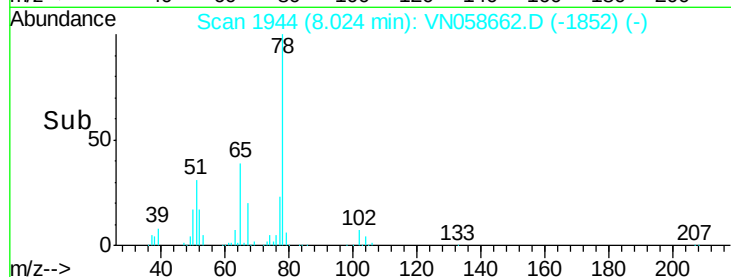
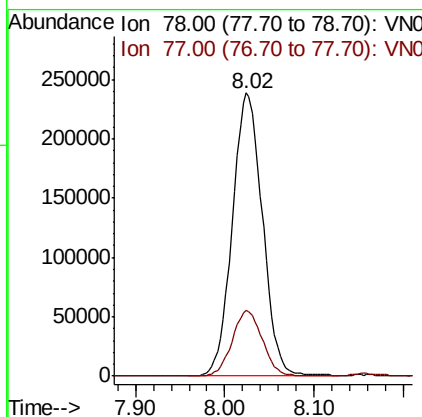
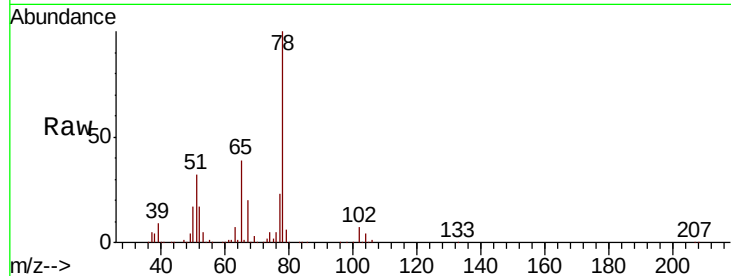
#40
Benzene
Concen: 26.752 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampled :
MW-3DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3

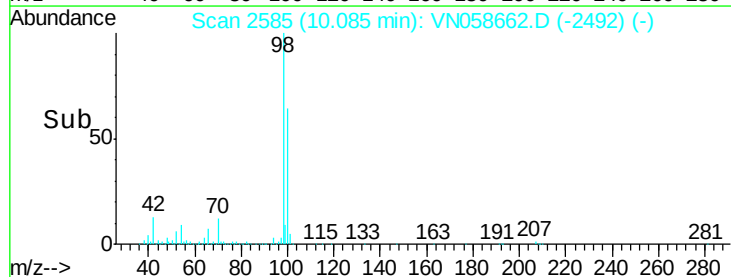
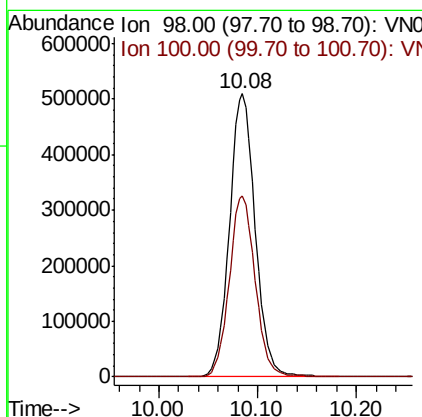
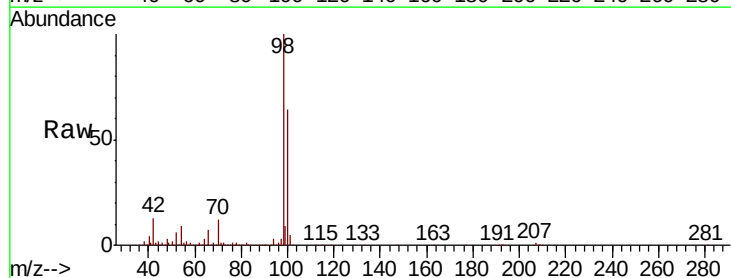
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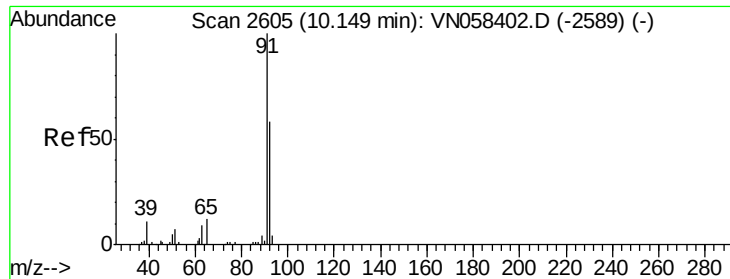
MMDadoda
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#50
Toluene-d8
Concen: 50.934 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.6





#52

Toluene

Concen: 4.401 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

MW-3DL

Tot Ion: 92 Resp: 57926

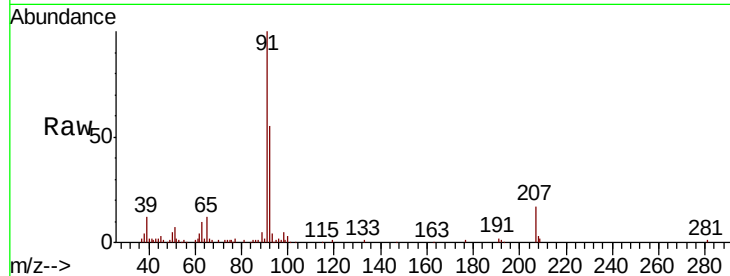
Ion Ratio Lower Upper

92 100

91 178.8 140.2 210.4

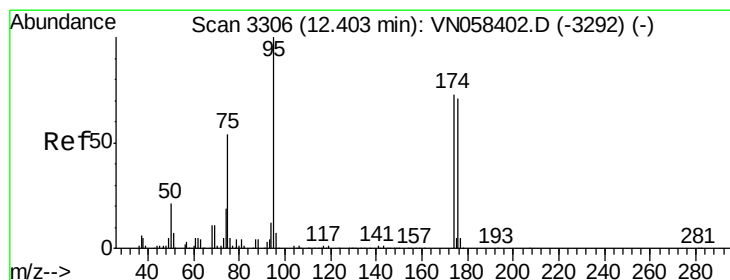
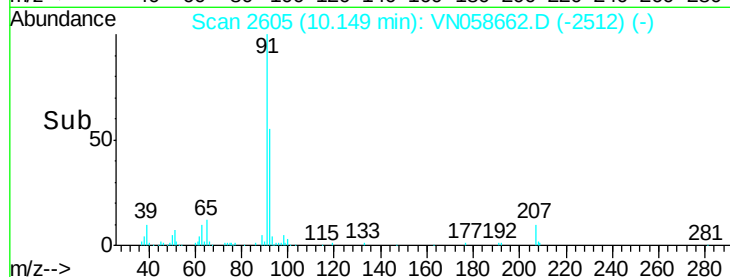
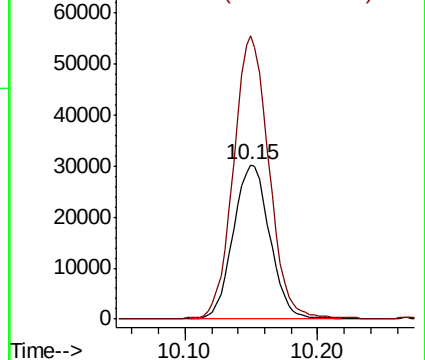
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.994 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

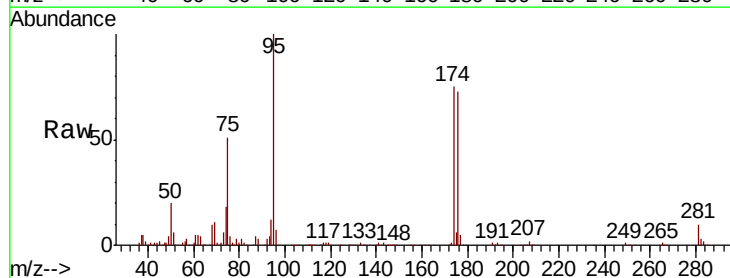
Tgt Ion: 95 Resp: 317021

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.6

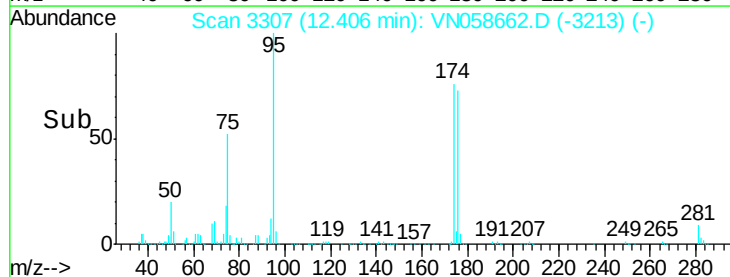
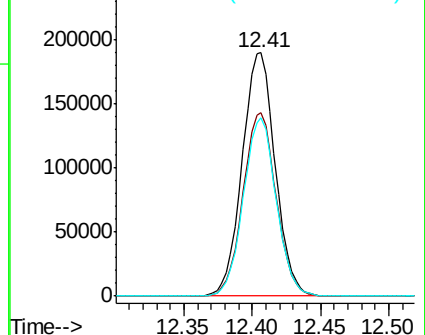
176 73.3 0.0 146.2

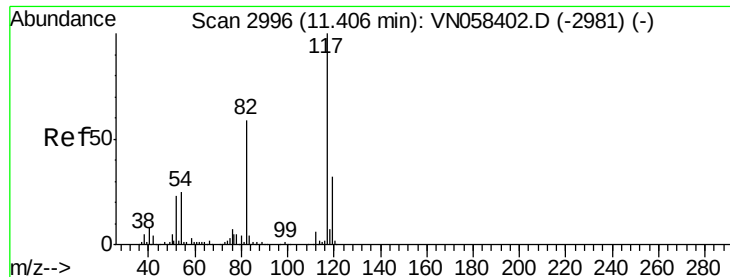


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

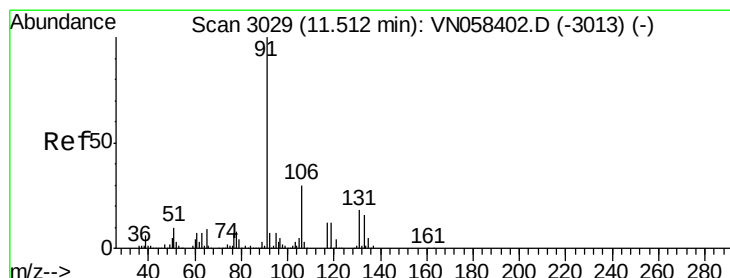
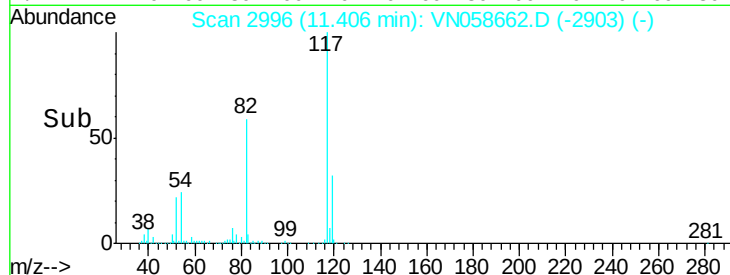
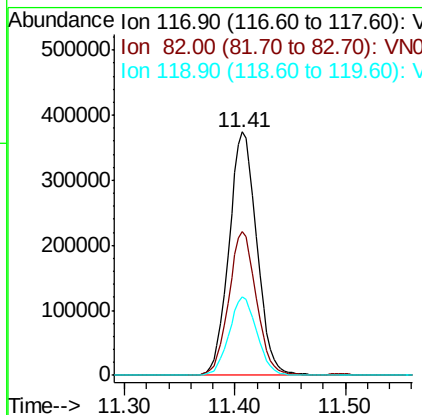
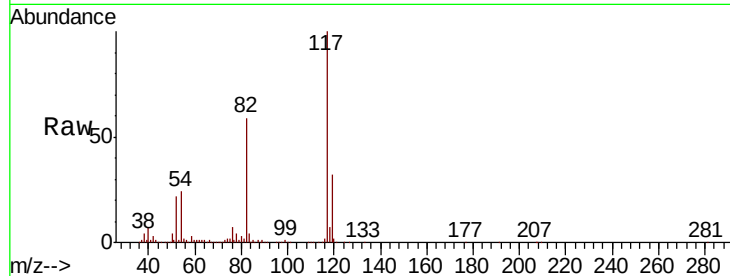
ClientSampled :

MW-3DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.4	71.0
119	32.0	25.5	38.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 11.395 ug/l

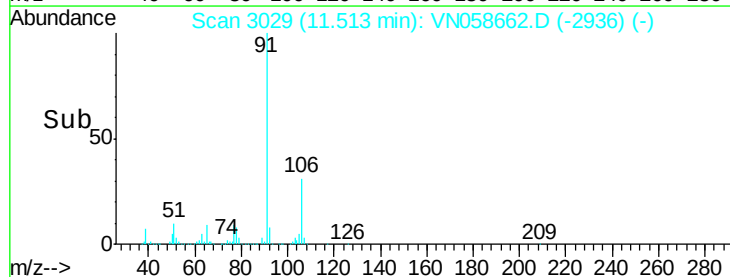
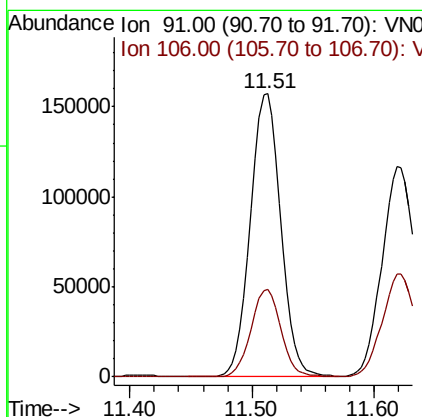
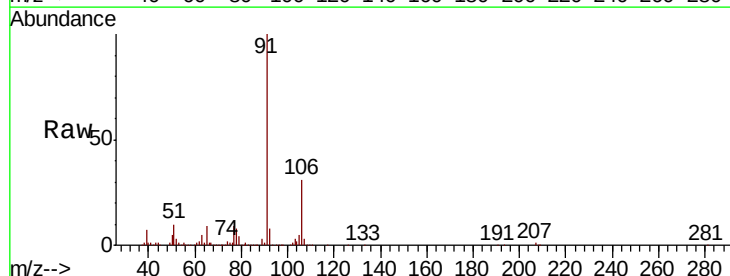
RT: 11.51 min Scan# 3029

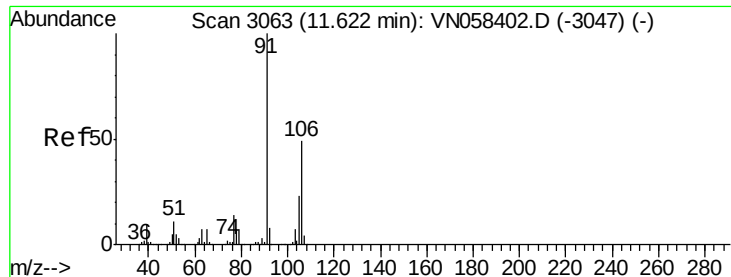
Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.3	36.5





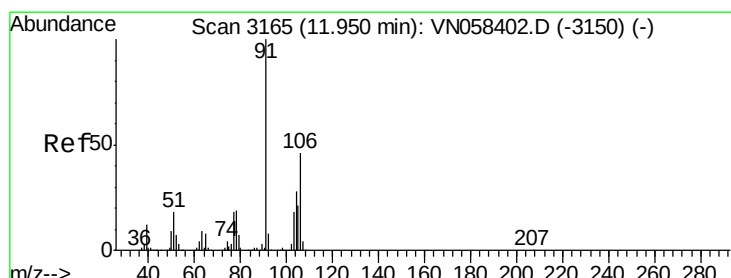
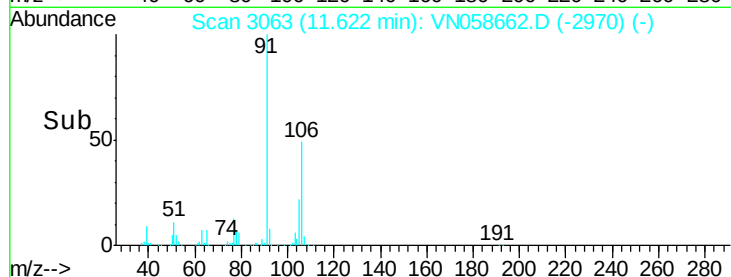
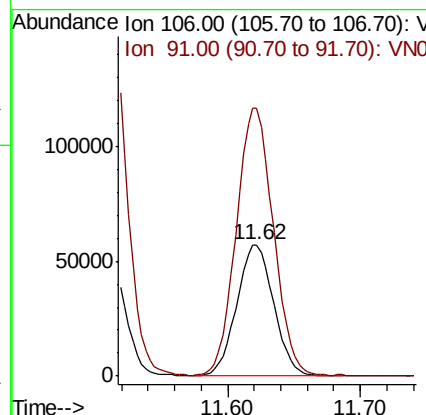
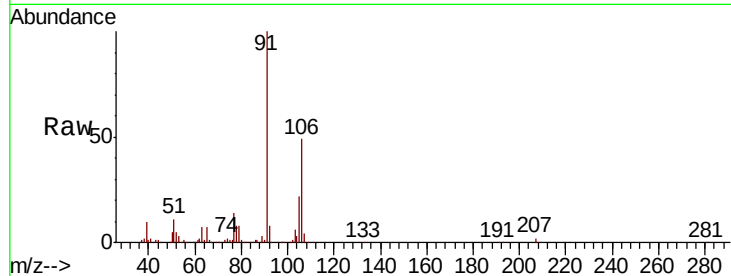
#68
m/p-Xylenes
Concen: 12.451 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		110469		
91	204.6	165.0	247.4		

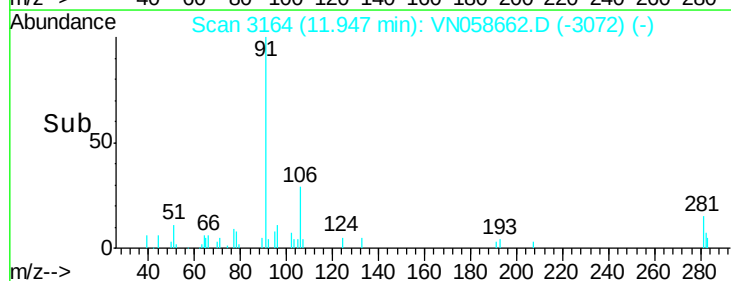
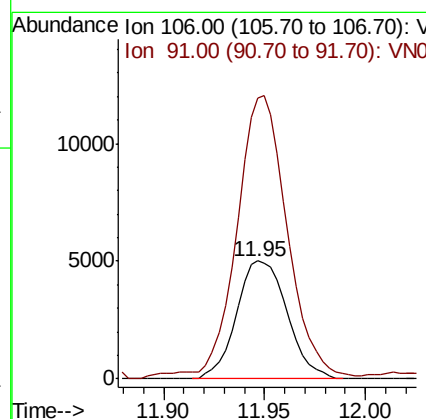
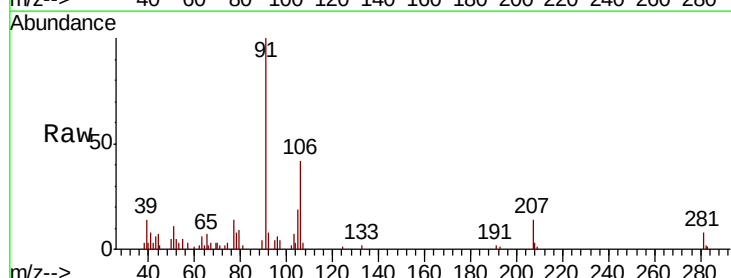
Manual Integrations
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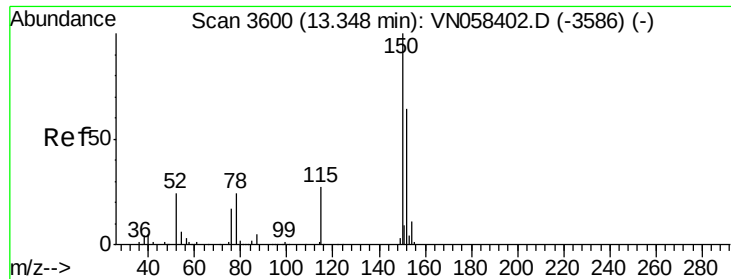
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#69
o-Xylene
Concen: 1.029 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		8786		
91	242.9	109.1	327.4		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

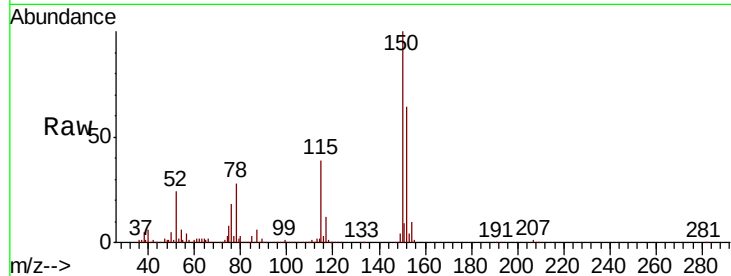
ClientSampleId :

MW-3DL

Tot Ion:	152	Resp:	276966
Ion Ratio	Lower	Upper	
152	100		
115	60.3	30.0	90.0
150	155.6	0.0	348.2

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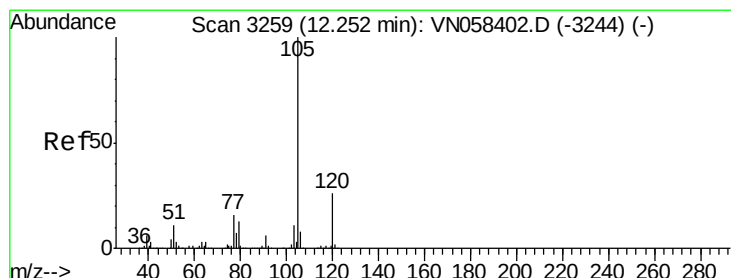
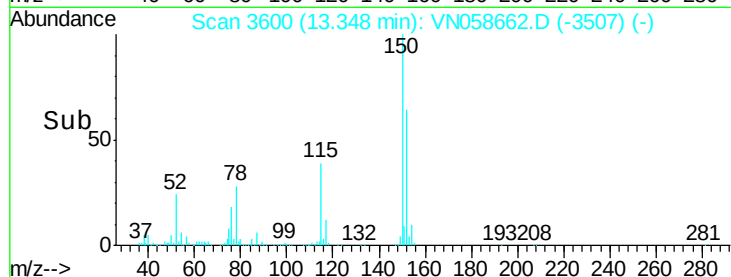
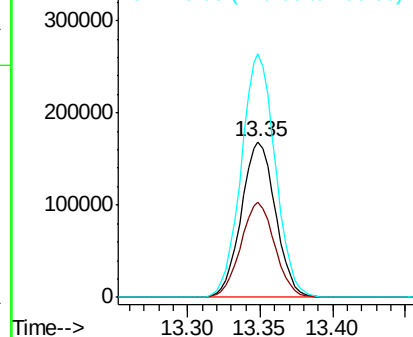


Abundance

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: 19.712 ug/l

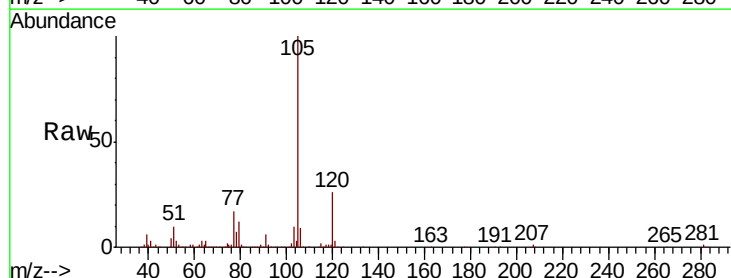
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

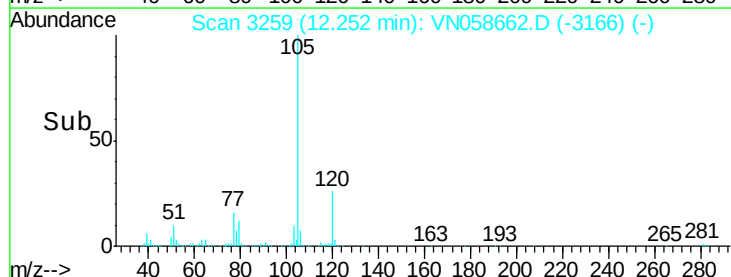
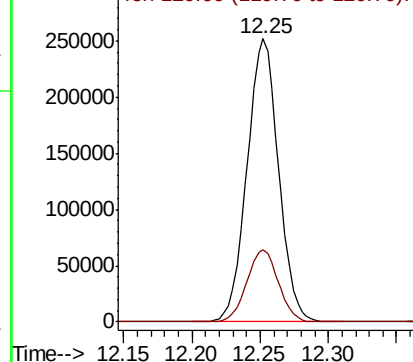
Tgt Ion:	105	Resp:	403483
Ion Ratio	Lower	Upper	
105	100		
120	25.7	12.8	38.4

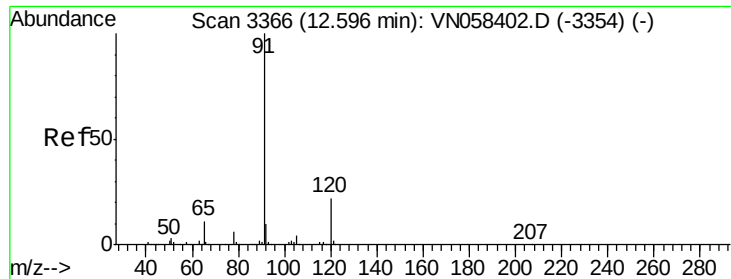


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





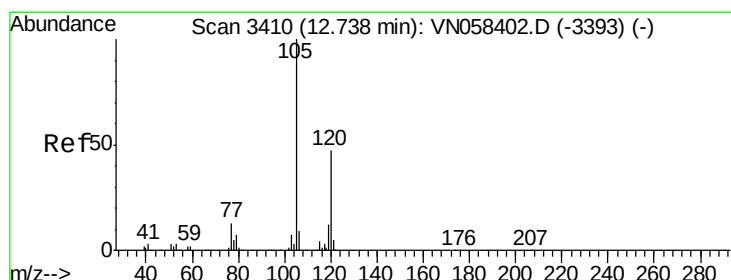
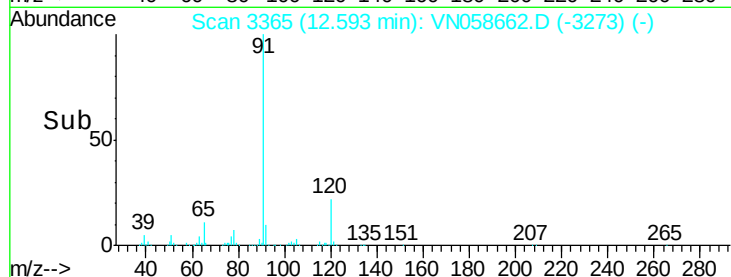
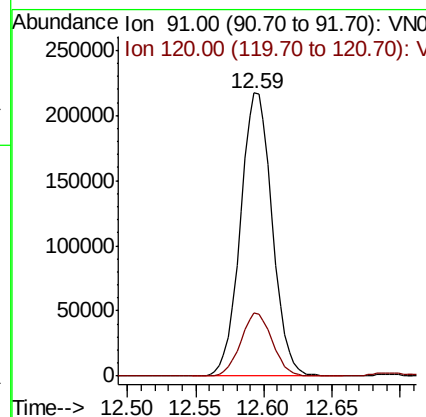
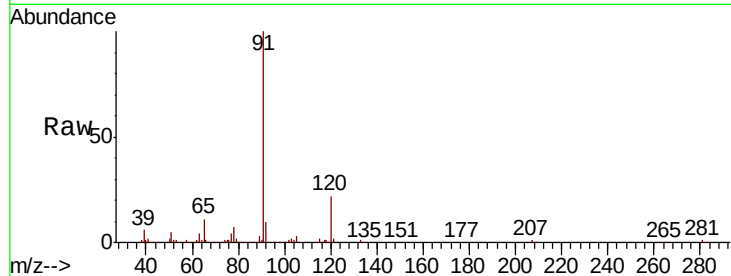
#78
n-propylbenzene
Concen: 15.235 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.9

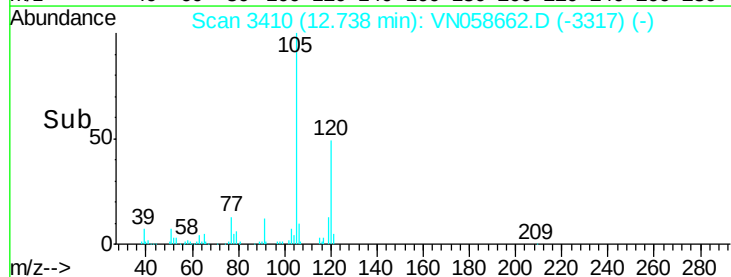
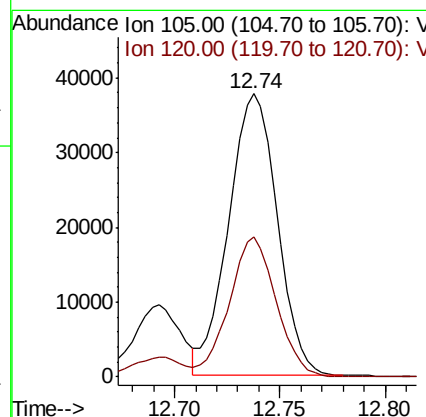
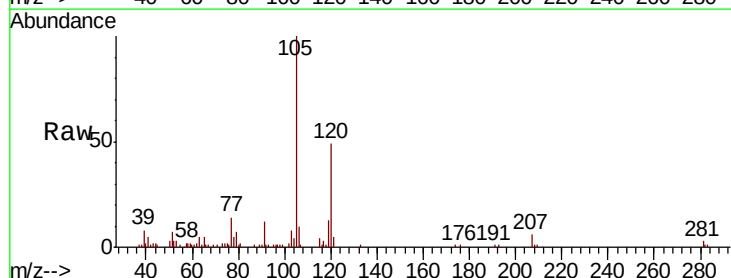
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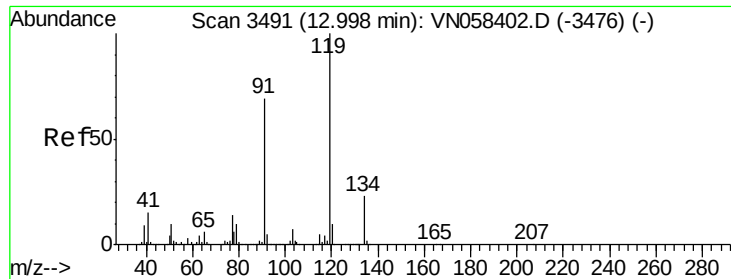
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#80
1,3,5-Trimethylbenzene
Concen: 3.526 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.5	70.6





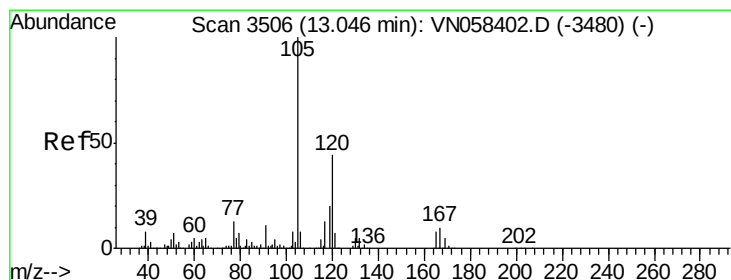
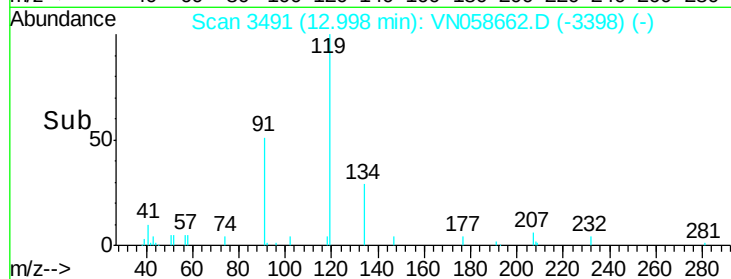
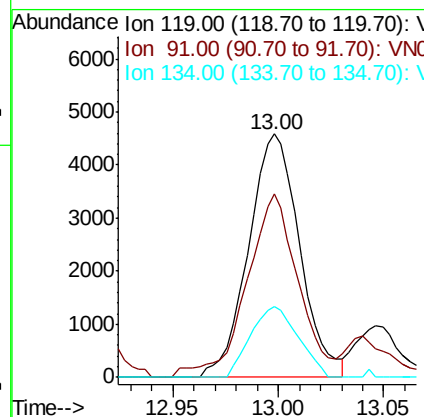
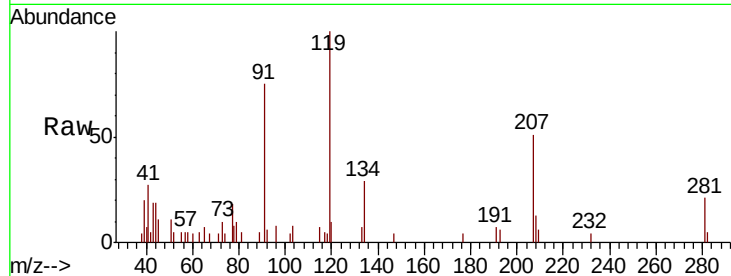
#83
tert-Butylbenzene
Concen: 0.535 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.5	34.2	102.6
134	26.9	11.6	34.8

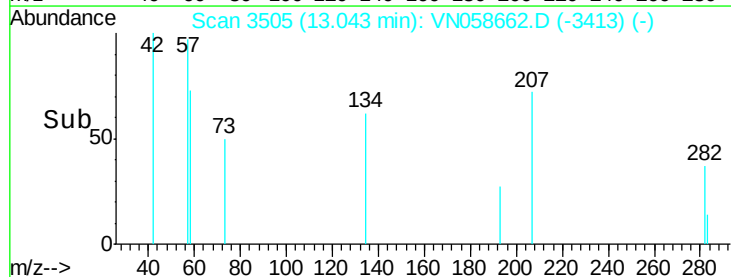
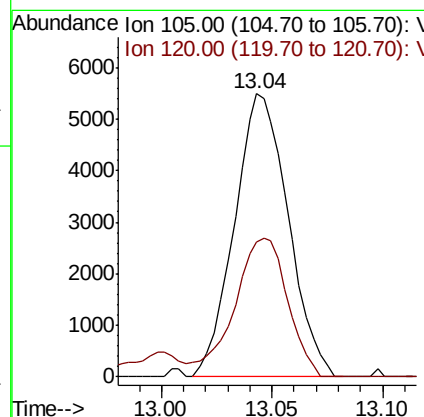
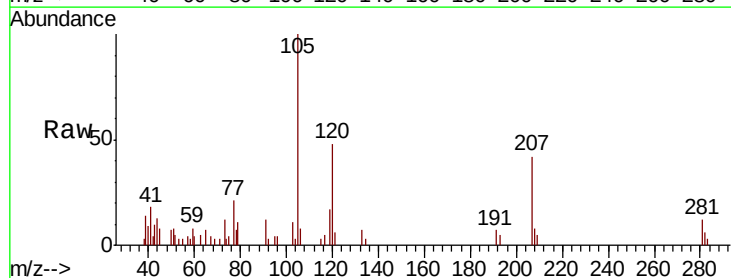
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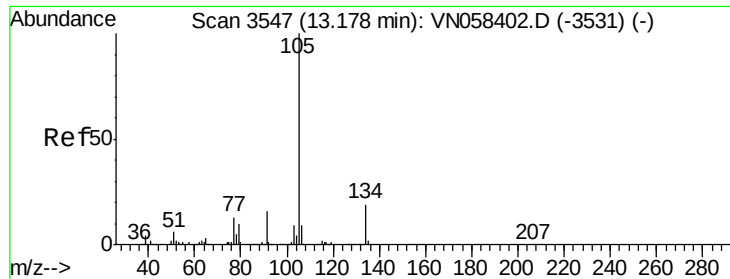
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#84
1,2,4-Trimethylbenzene
Concen: 0.541 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	21.7	65.1





#85

sec-Butylbenzene

Concen: 1.178 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

MW-3DL

Tot Ion:105 Resp: 22417

Ion Ratio Lower Upper

105 100

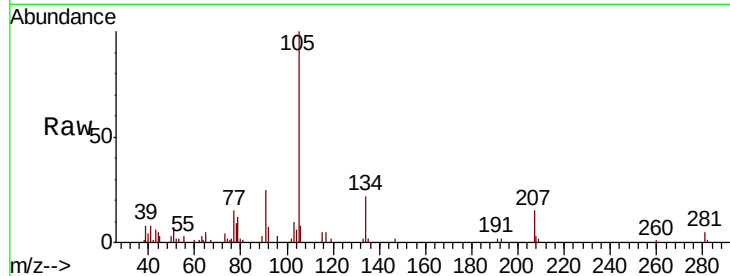
134 37.6 9.4 28.2#

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

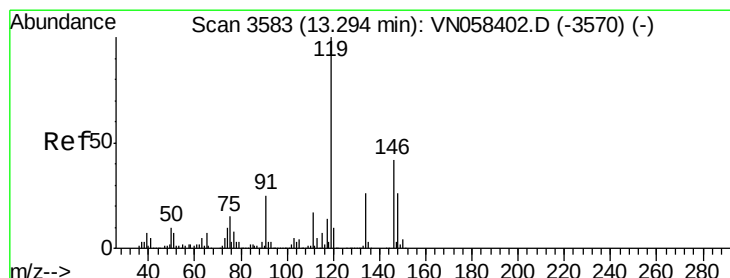
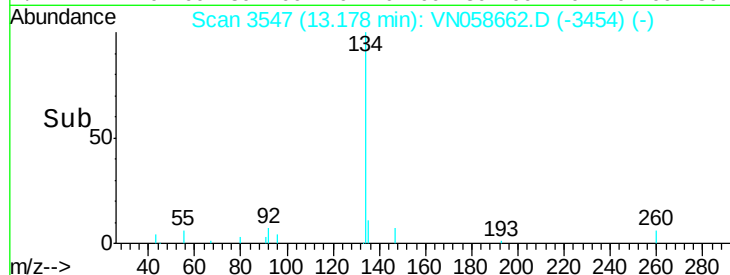
15000

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.263 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN058662.D

Acq: 9 Oct 2019 23:34

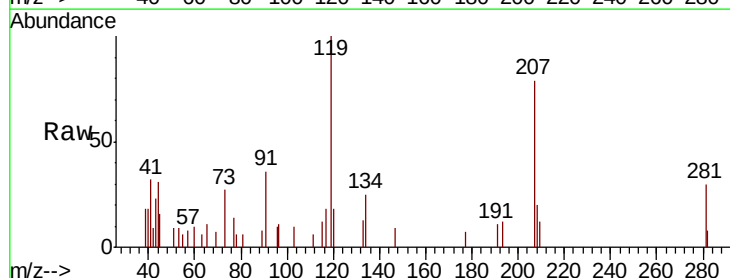
Tgt Ion:119 Resp: 4404

Ion Ratio Lower Upper

119 100

134 62.1 13.0 39.0#

91 62.8 12.4 37.0#



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

13.29

4000

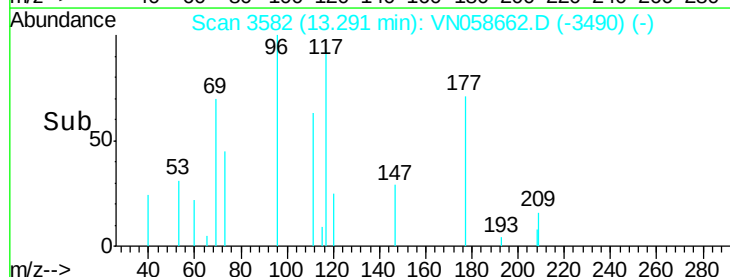
3000

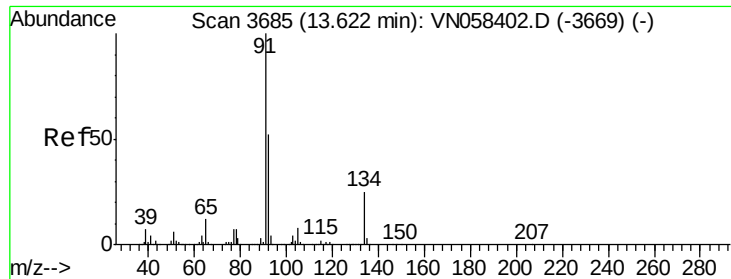
2000

1000

0

Time-->





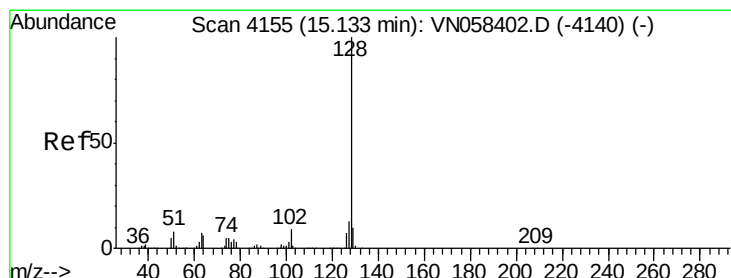
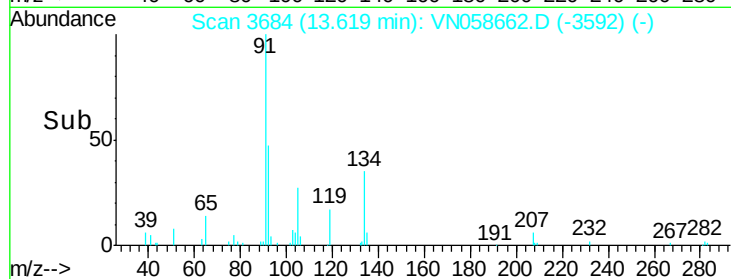
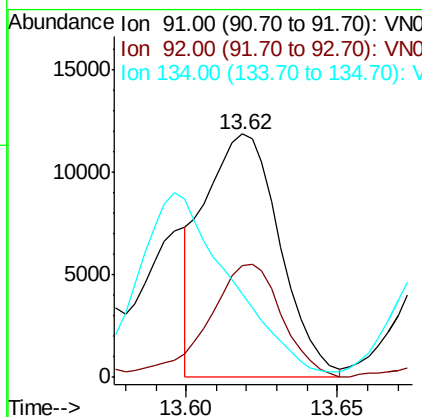
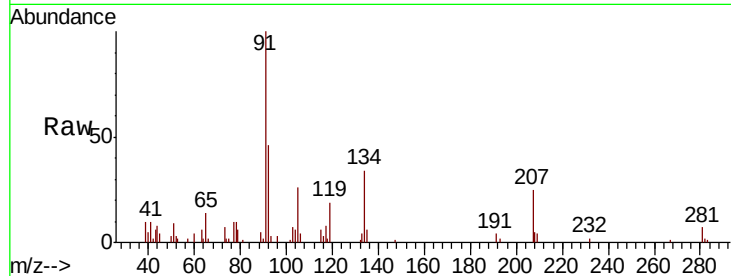
#89
n-Butylbenzene
Concen: 1.365 ug/l m
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :
MW-3DL

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	45.4	25.7	77.1	
134	0.0	12.2	36.6	

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#95
Naphthalene
Concen: 6.722 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058662.D
Acq: 9 Oct 2019 23:34

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
127	13.0	10.2	15.4	
129	11.4	8.3	12.5	

