

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063760.D
 Acq On : 30 Sep 2020 19:31
 Operator : JC/MD
 Sample : L4181-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40741

Manual Integrations
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MMDadoda
 10/1/2020 2:40:49 PM

Quant Time: Oct 01 03:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	222775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	405176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420345	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	218556	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	182444	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
35) Dibromofluoromethane	7.55	113	131716	46.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.70%	
50) Toluene-d8	10.06	98	522748	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.38	95	225155	56.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	16398	40.357	ug/l #	93
16) Acetone	3.77	43	2755805	2432.426	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	17605m	2.160	ug/l	
20) Methylene Chloride	4.51	84	2643m	1.115	ug/l	
25) 2-Butanone	6.78	43	453804	282.526	ug/l	100
39) Methylcyclohexane	9.05	83	5100	1.246	ug/l	84
40) Benzene	8.00	78	25102	2.141	ug/l	100
51) 4-Methyl-2-Pentanone	9.96	43	44537	11.282	ug/l	100
52) Toluene	10.13	92	189152	26.083	ug/l	98
59) 2-Hexanone	10.73	43	34453	11.749	ug/l	98
67) Ethyl Benzene	11.48	91	720381	45.914	ug/l	100
68) m/p-Xylenes	11.59	106	1250606	213.866	ug/l	99
69) o-Xylene	11.92	106	811636	148.500	ug/l	100
73) Isopropylbenzene	12.23	105	189630	11.896	ug/l	100
78) n-propylbenzene	12.57	91	871411	46.970	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1331540	99.562	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	5507589	412.472	ug/l	86
85) sec-Butylbenzene	13.15	105	104910m	7.301	ug/l	
86) p-Isopropyltoluene	13.26	119	72860m	5.732	ug/l	
89) n-Butylbenzene	13.59	91	161974	13.806	ug/l #	69
95) Naphthalene	15.10	128	3974075	325.945	ug/l	99

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

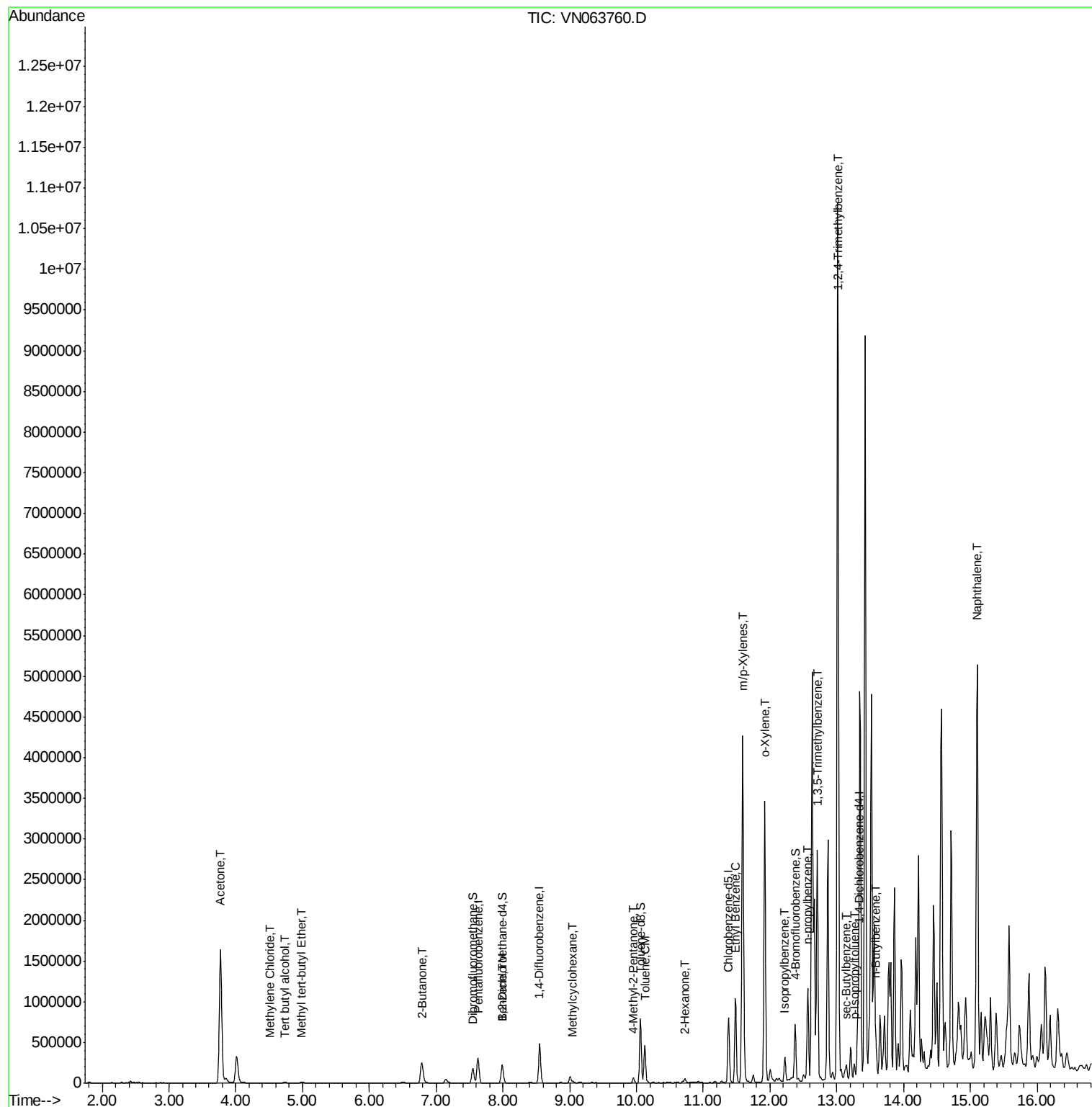
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063760.D
Acq On : 30 Sep 2020 19:31
Operator : JC/MD
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ALS Vial : 26 Sample Multiplier: 1

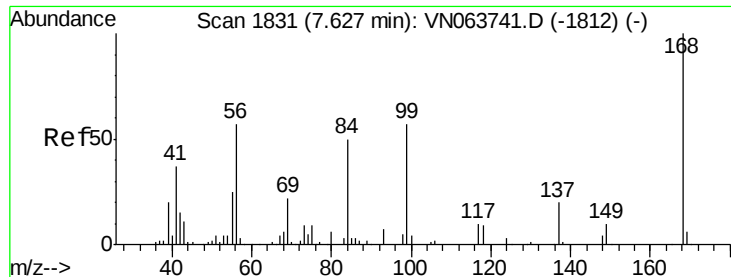
Instrument :
MSVOA_N
ClientSampleId :
40741

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Quant Time: Oct 01 03:43:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063760.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

40741

Tot Ion:168 Resp: 222775

Ion Ratio Lower Upper

168 100

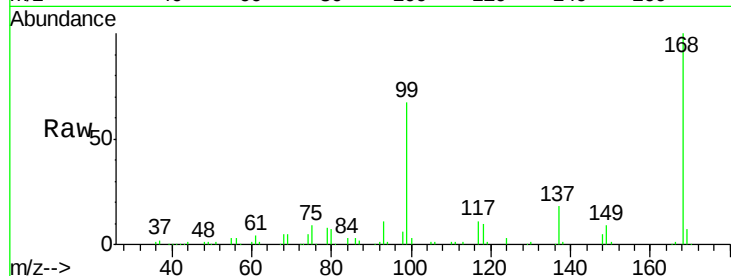
99 66.6 51.8 77.6

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

100000

80000

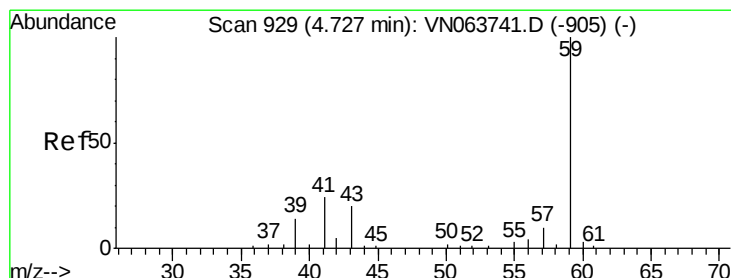
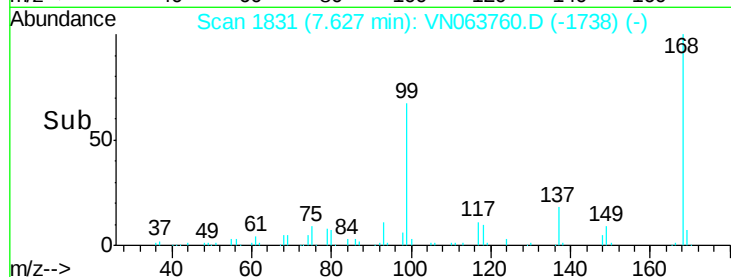
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 40.357 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN063760.D

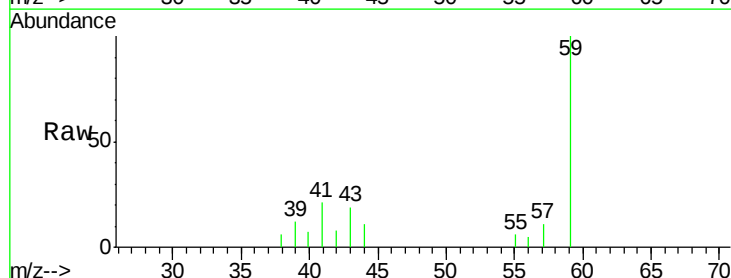
Acq: 30 Sep 2020 19:31

Tgt Ion: 59 Resp: 16398

Ion Ratio Lower Upper

59 100

57 8.1 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

5000

4000

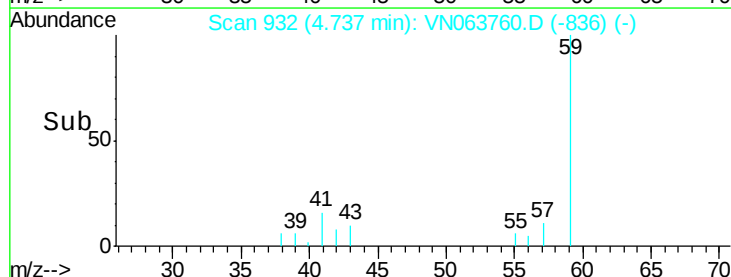
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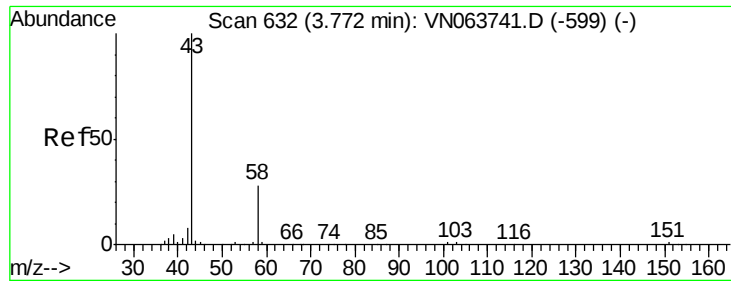
2000

1000

0

Time--> 4.60 4.70 4.80





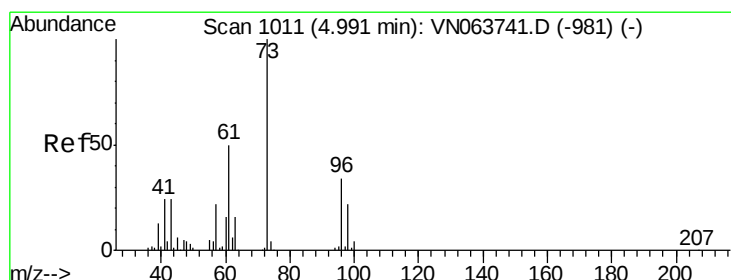
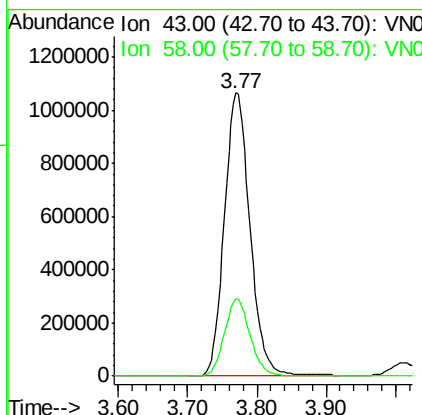
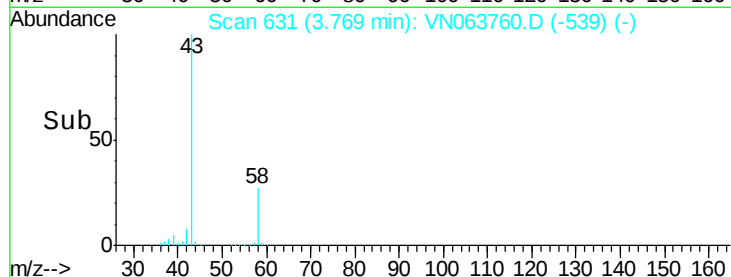
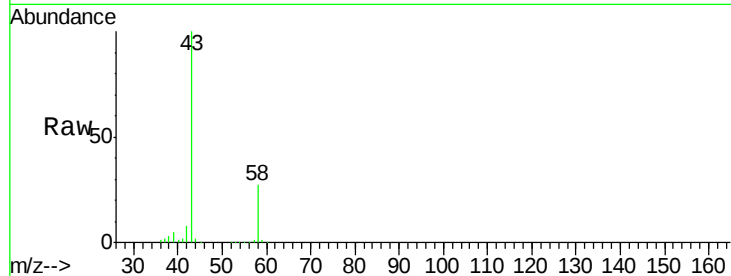
#16
Acetone
Concen: 2432.426 ug/l
RT: 3.77 min Scan# 631
Delta R.T. -0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
40741

Tot Ion: 43 Resp: 2755805
Ion Ratio Lower Upper
43 100
58 27.2 22.3 33.5

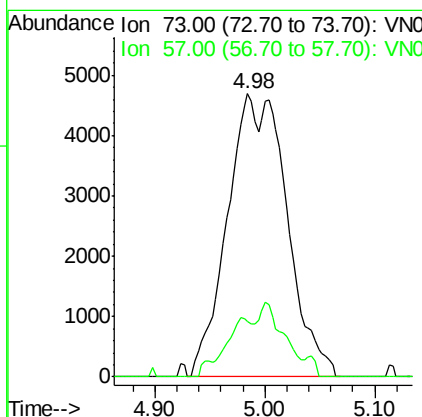
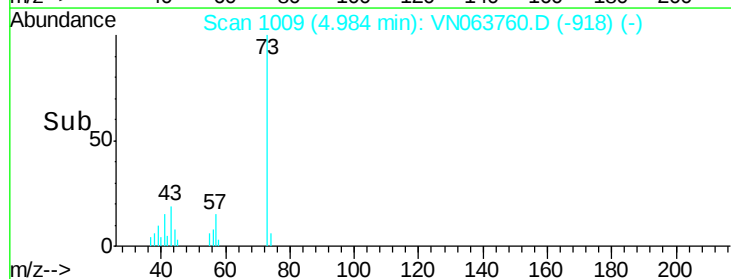
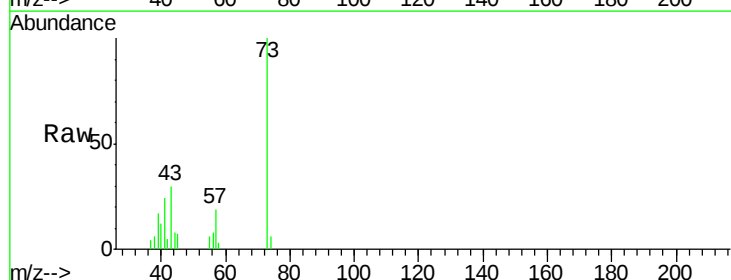
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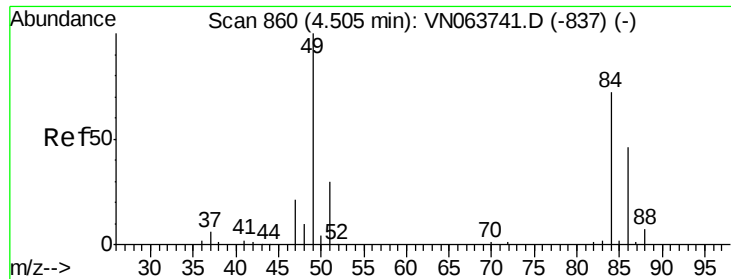
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#19
Methyl tert-butyl Ether
Concen: 2.160 ug/l m
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion: 73 Resp: 17605
Ion Ratio Lower Upper
73 100
57 19.5 17.6 26.4





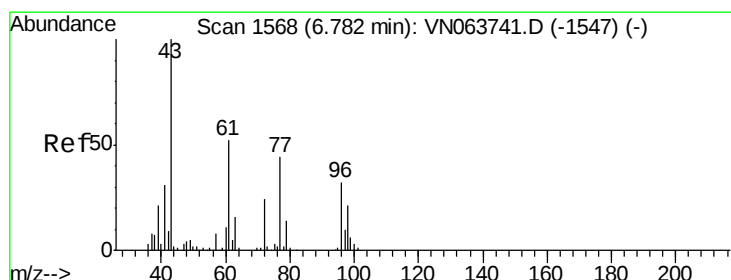
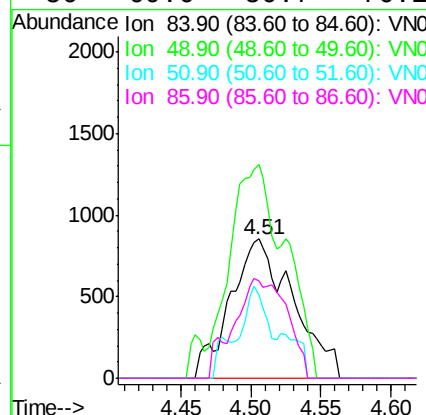
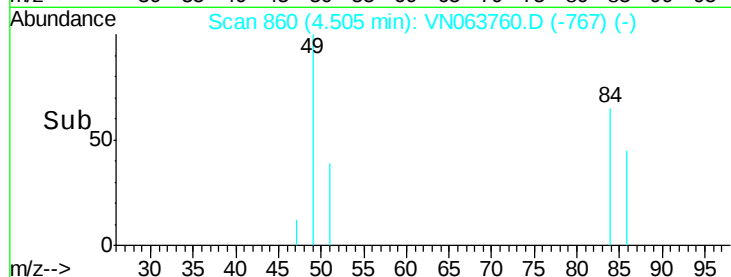
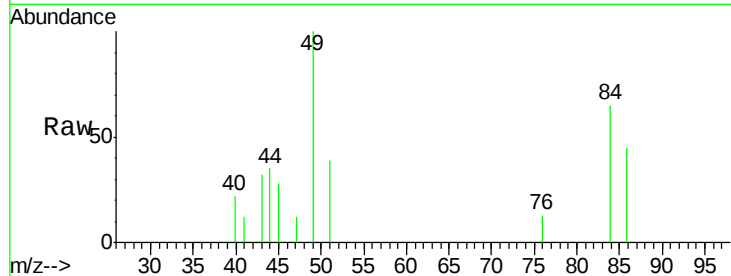
#20
Methvlene Chloride
Concen: 1.115 ug/l m
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
40741

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	153.5	110.4	165.6	
51	59.8	33.3	49.9	
86	69.6	50.7	76.1	

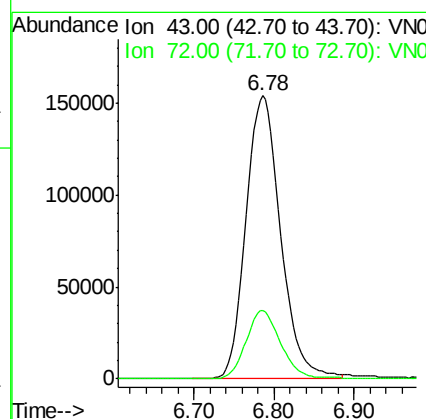
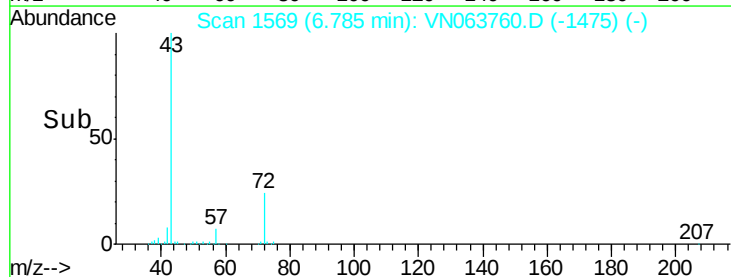
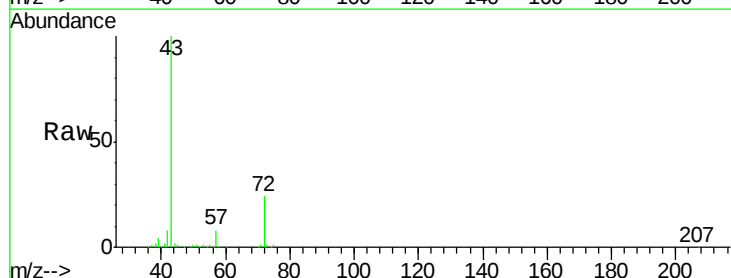
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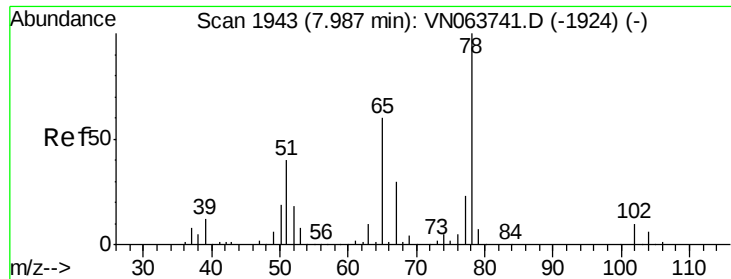
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#25
2-Butanone
Concen: 282.526 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
72	24.3	19.3	28.9	





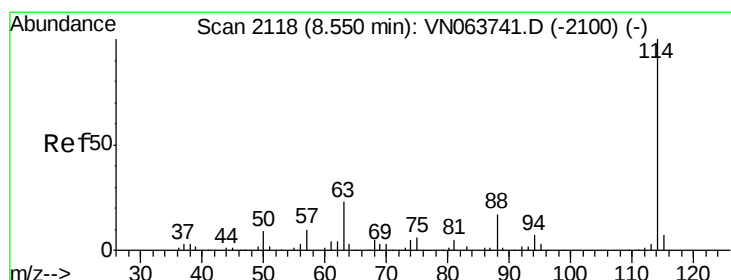
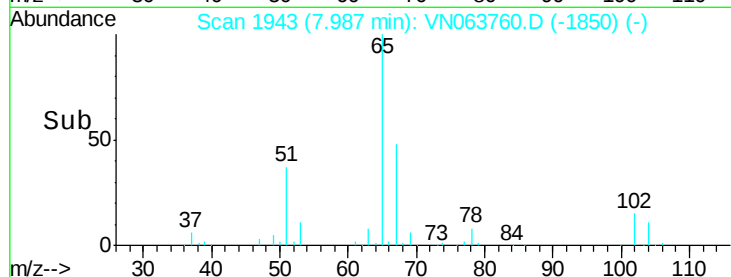
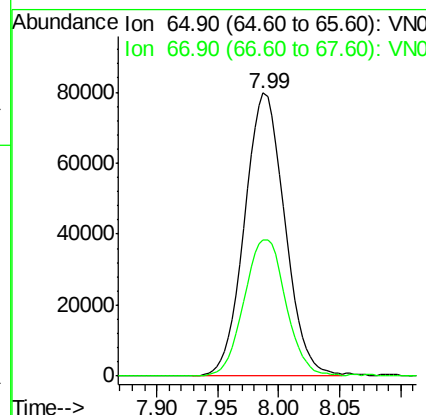
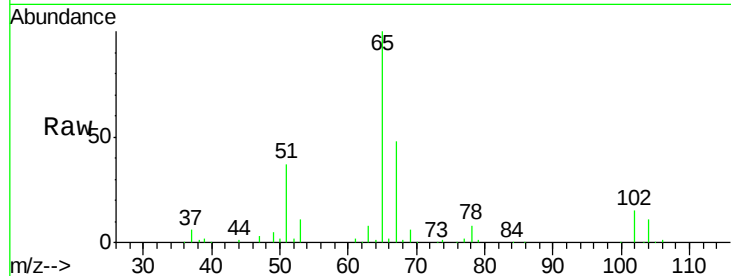
#33
 1,2-Dichloroethane-d4
 Concen: 49.572 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 40741

Tot Ion	Ratio	Resp	Lower	Upper
65	100	182444		
67	49.9	0.0	99.6	

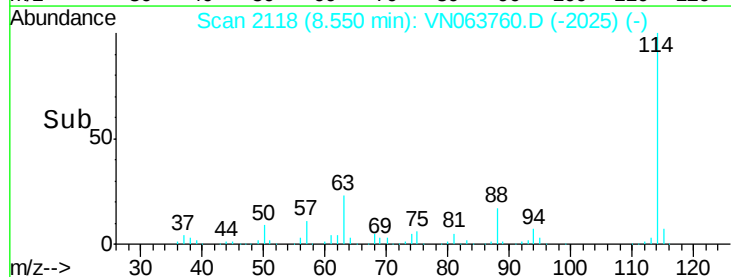
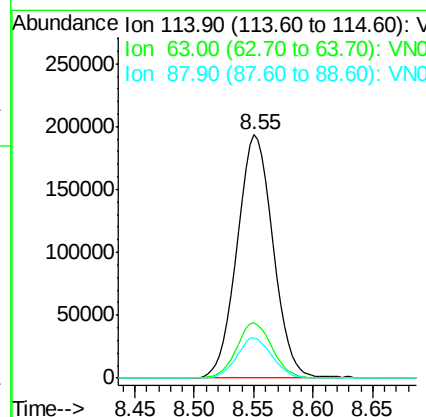
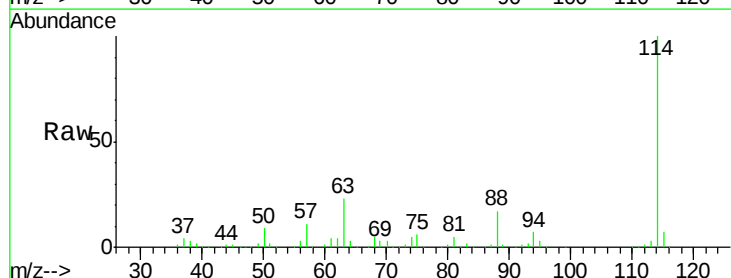
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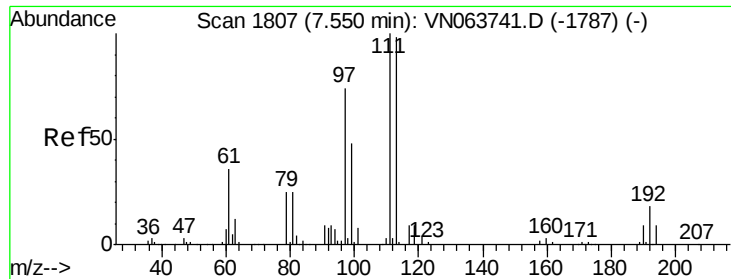
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405176		
63	22.6	0.0	45.0	
88	16.7	0.0	34.0	





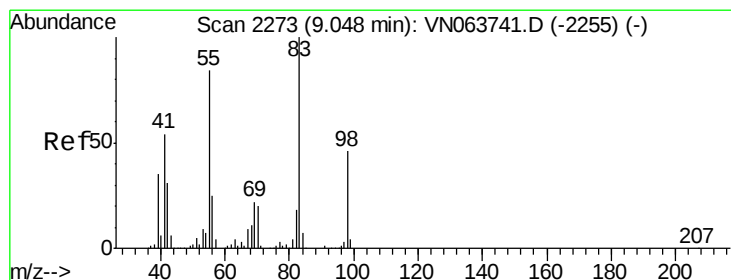
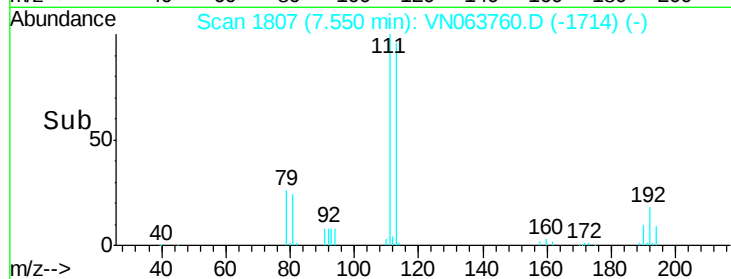
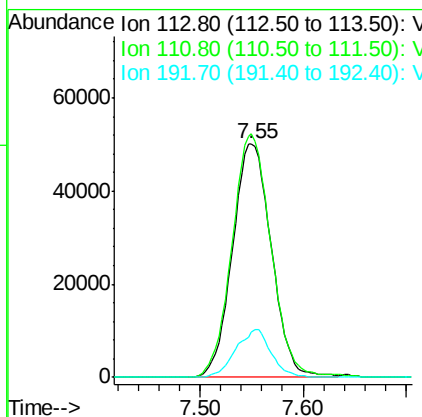
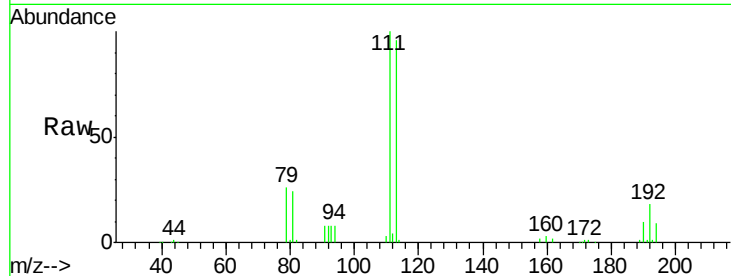
#35
Dibromofluoromethane
Concen: 46.850 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
40741

Tot Ion	Ratio	Resp	Lower	Upper
113	100	131716		
111	103.7	81.8	122.8	
192	18.6	14.2	21.2	

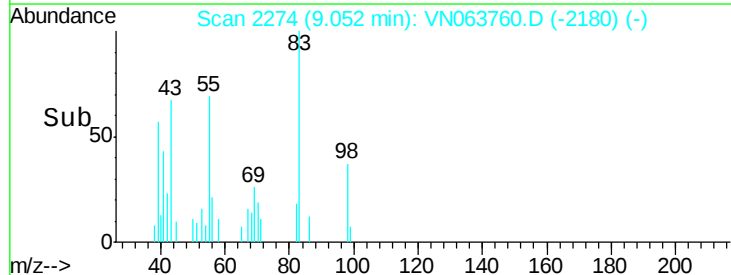
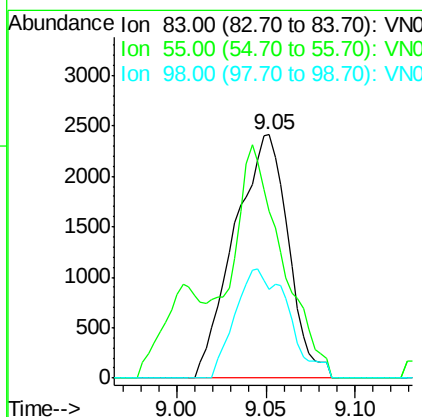
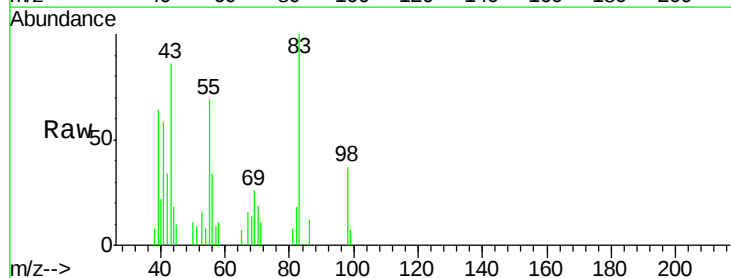
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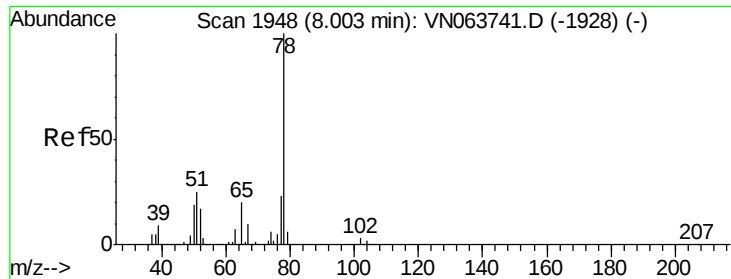
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#39
Methylcyclohexane
Concen: 1.246 ug/l
RT: 9.05 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	5100		
55	68.6	67.1	100.7	
98	36.7	36.6	54.8	





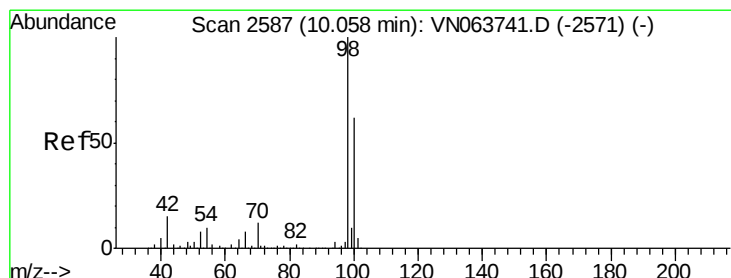
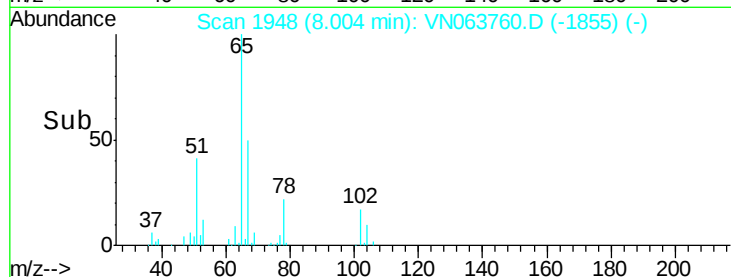
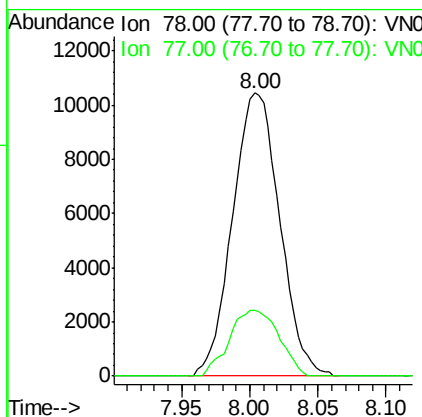
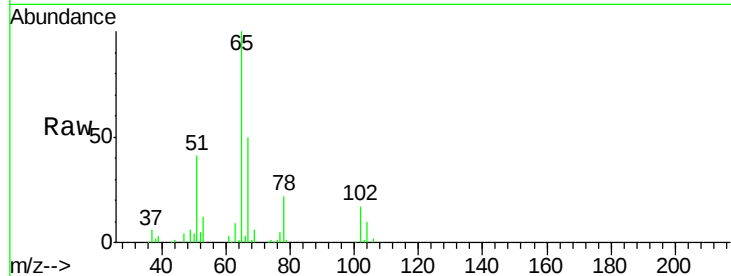
#40
Benzene
Concen: 2.141 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
40741

Tot Ion: 78 Resp: 25102
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1

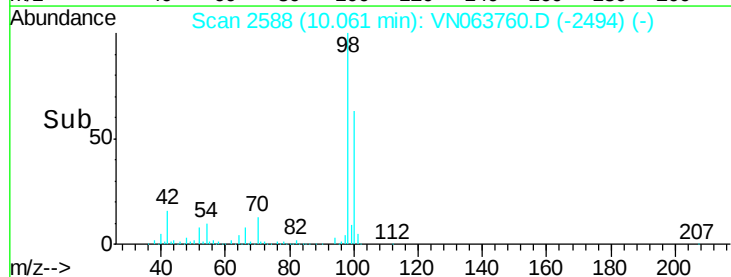
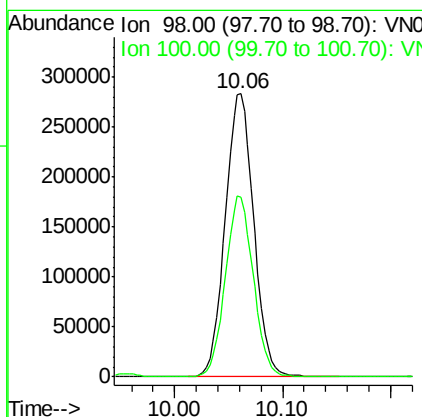
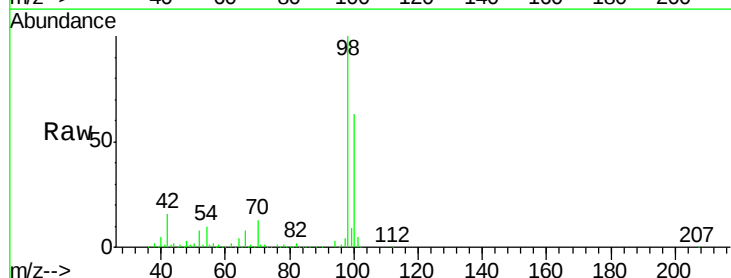
Manual Integrations
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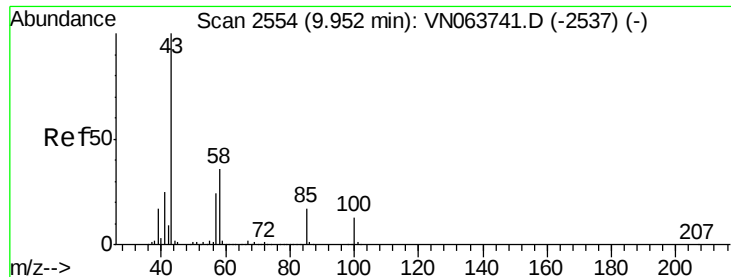
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#50
Toluene-d8
Concen: 49.048 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion: 98 Resp: 522748
Ion Ratio Lower Upper
98 100
100 62.6 49.8 74.6





#51

4-Methyl-2-Pentanone

Concen: 11.282 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063760.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_N

ClientSampled :

40741

Tot Ion: 43 Resp: 44537

Ion Ratio Lower Upper

43 100

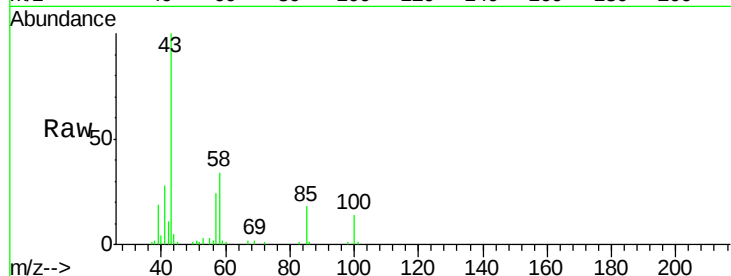
58 35.7 28.4 42.6

Manual Integrations

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MMDadoda

10/1/2020 2:40:49 PM

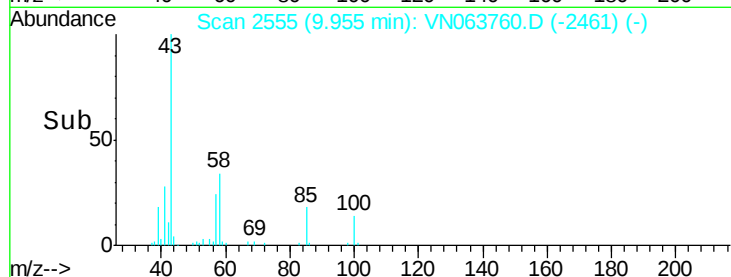


Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-2537) (-)

Time-->

9.90 9.95 10.00

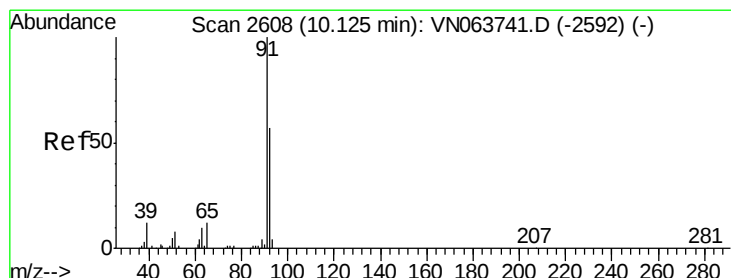


Abundance Ion 43.00 (42.70 to 43.70): VN063760.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN063760.D (-2461) (-)

Time-->

9.90 9.95 10.00



#52

Toluene

Concen: 26.083 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063760.D

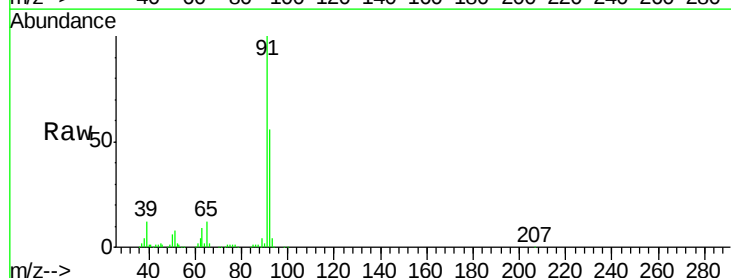
Acq: 30 Sep 2020 19:31

Tgt Ion: 92 Resp: 189152

Ion Ratio Lower Upper

92 100

91 178.2 140.6 210.8

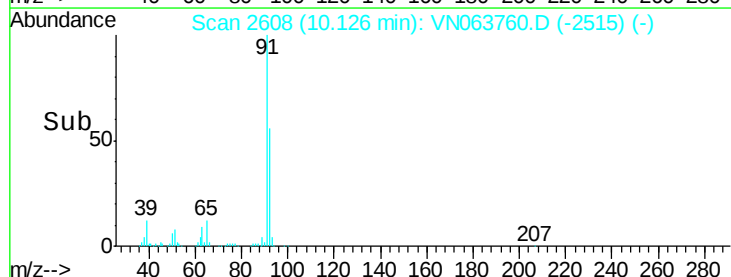


Abundance Ion 92.00 (91.70 to 92.70): VN063741.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-2592) (-)

Time-->

10.05 10.10 10.15 10.20

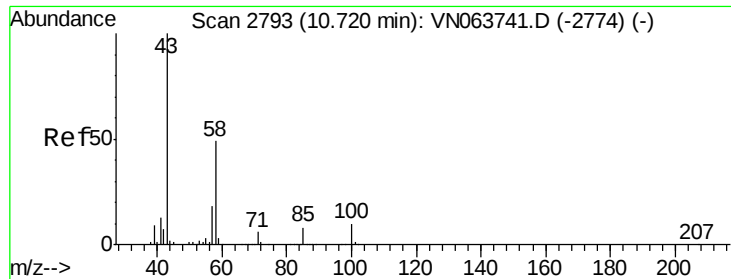


Abundance Ion 92.00 (91.70 to 92.70): VN063760.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN063760.D (-2515) (-)

Time-->

10.05 10.10 10.15 10.20



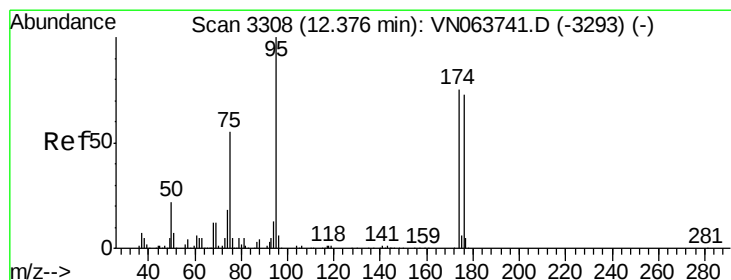
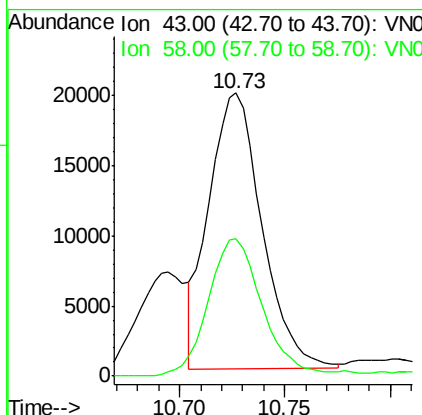
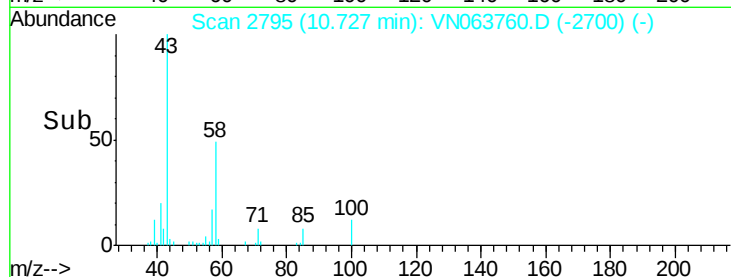
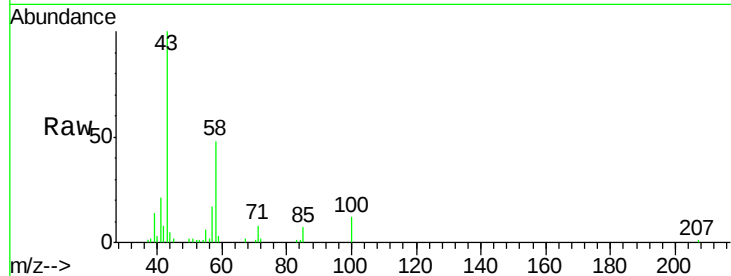
#59
2-Hexanone
Concen: 11.749 ug/l
RT: 10.73 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
40741

Tot Ion: 43 Resp: 34453
Ion Ratio Lower Upper
43 100
58 50.6 24.6 73.8

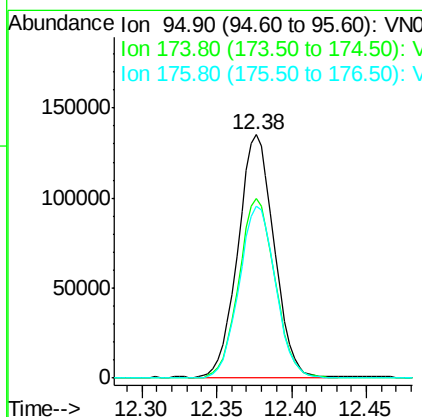
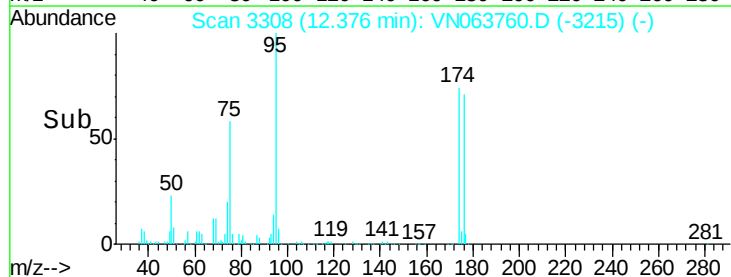
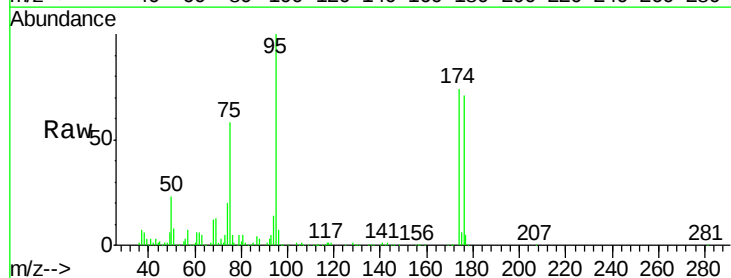
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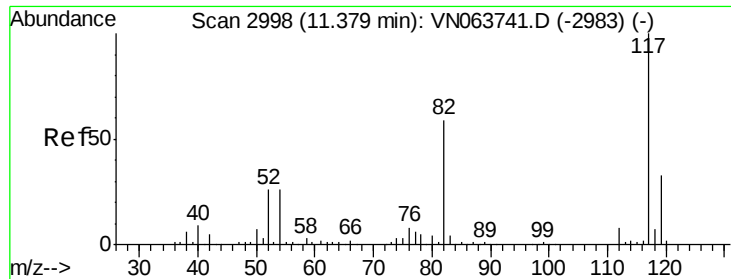
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 56.199 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion: 95 Resp: 225155
Ion Ratio Lower Upper
95 100
174 74.9 0.0 150.6
176 72.0 0.0 145.4





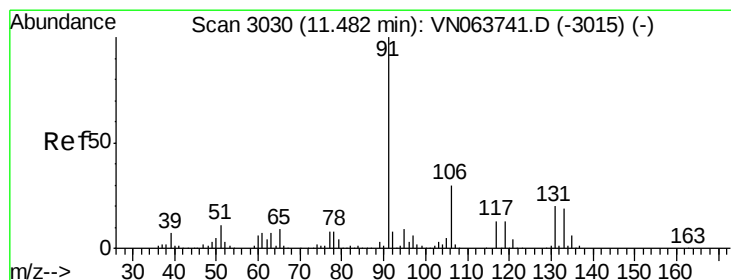
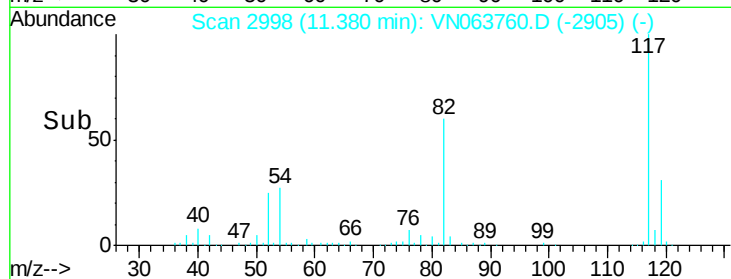
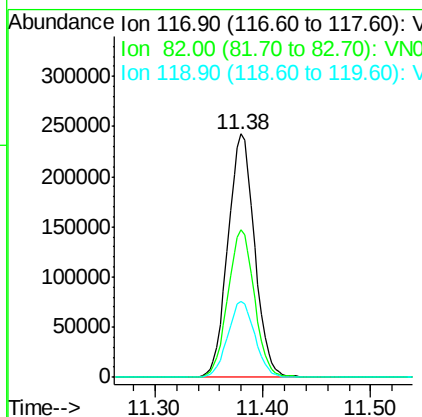
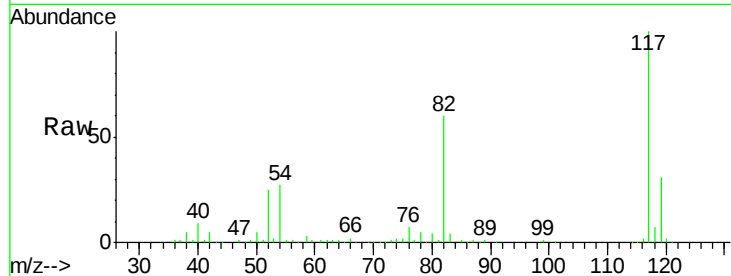
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Instrument :
MSVOA_N
ClientSampled :
40741

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.4	71.2
119	31.4	26.4	39.6

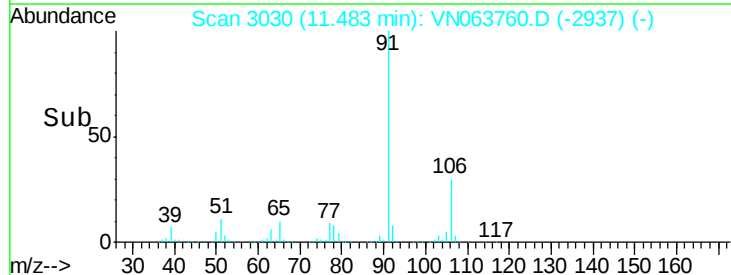
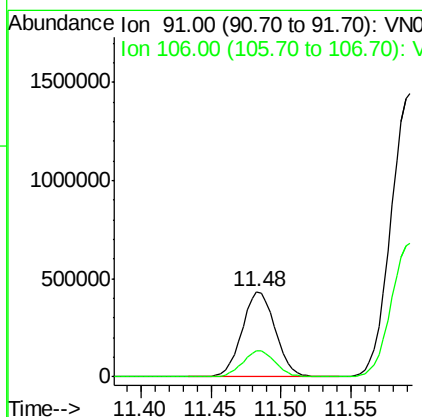
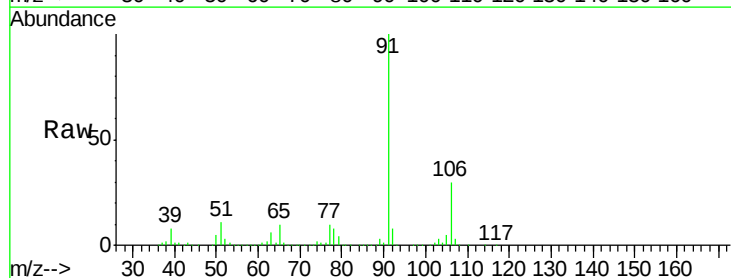
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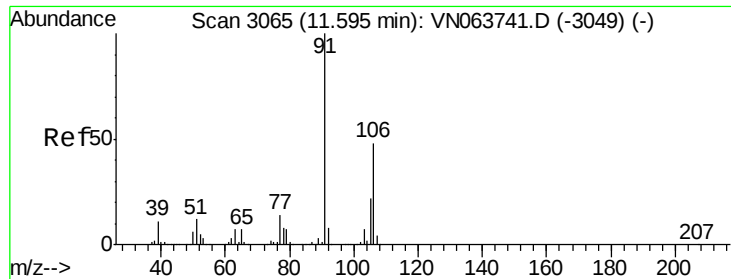
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#67
Ethyl Benzene
Concen: 45.914 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.2





#68

m/p-Xylenes

Concen: 213.866 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063760.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_N

ClientSampled :
40741

Tot Ion:106 Resp: 1250606

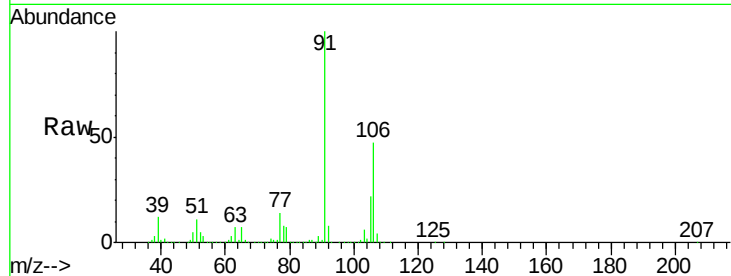
Ion Ratio Lower Upper

106 100

91 212.2 168.0 252.0

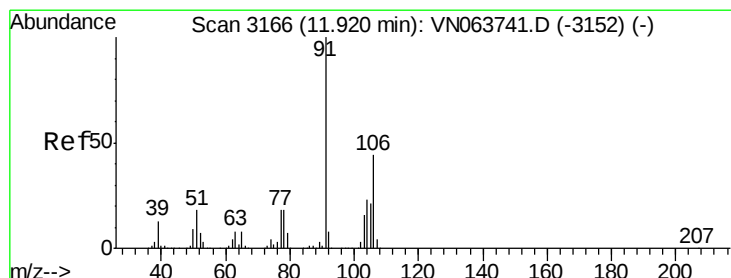
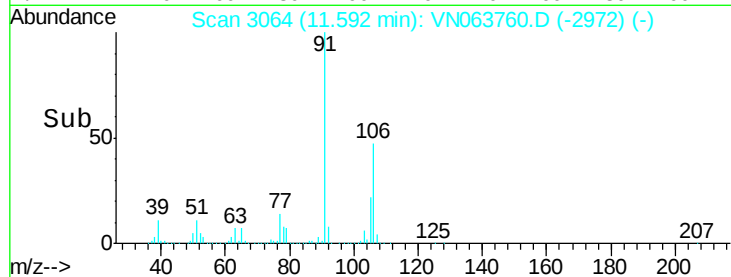
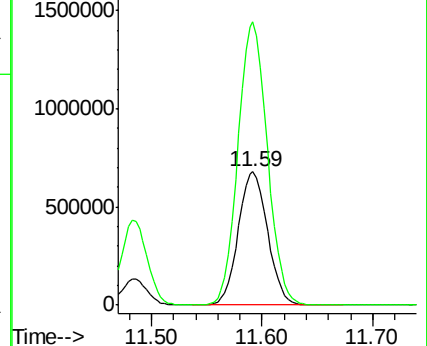
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 148.500 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN063760.D

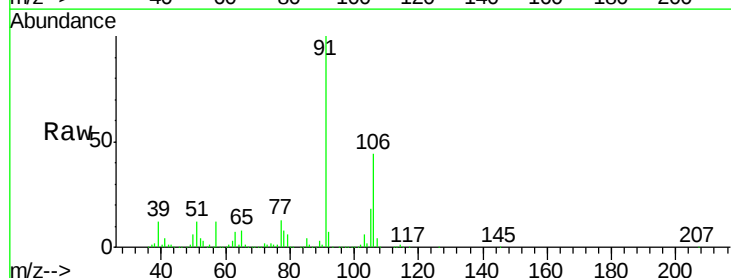
Acq: 30 Sep 2020 19:31

Tgt Ion:106 Resp: 811636

Ion Ratio Lower Upper

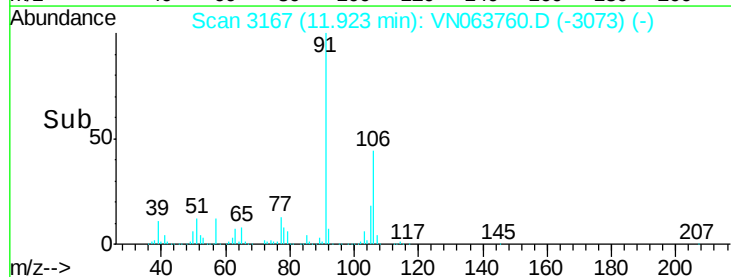
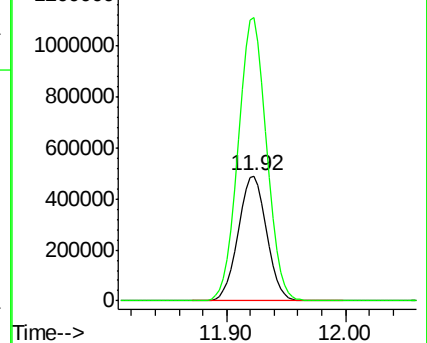
106 100

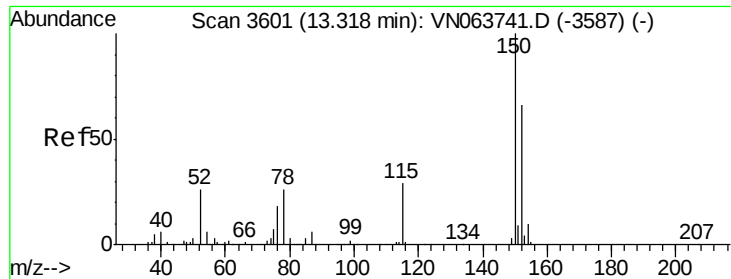
91 226.1 112.7 338.0



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# 3601

Delta R.T. 0.00 min

Lab File: VN063760.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

40741

Tot Ion:152 Resp: 218556

Ion Ratio Lower Upper

152 100

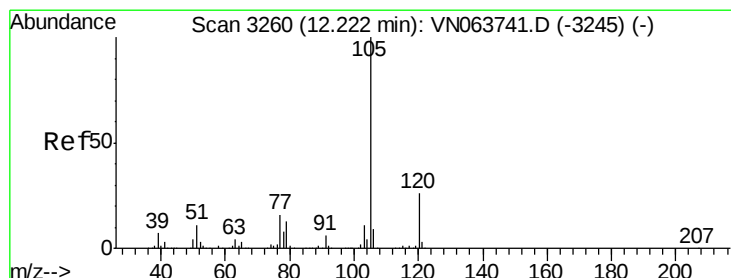
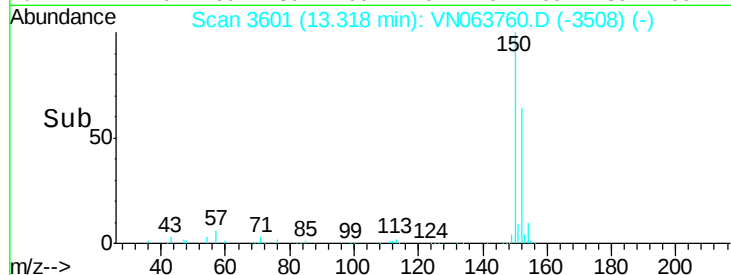
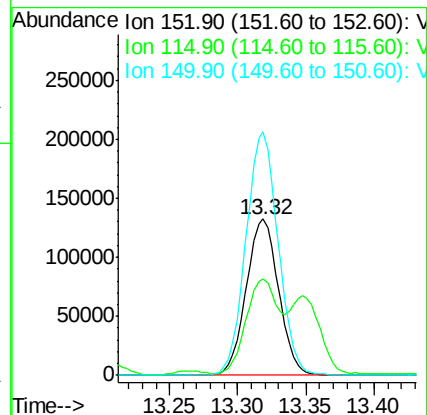
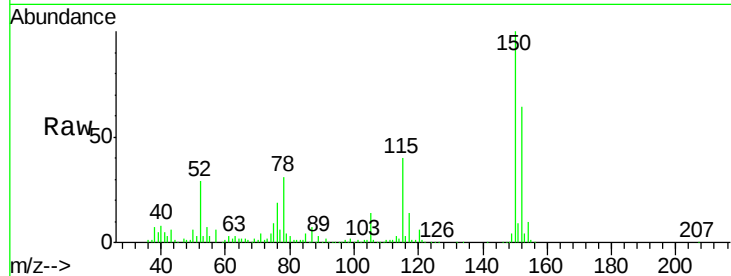
115 61.7 31.3 93.8

150 154.9 0.0 341.8

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#73

Isopropylbenzene

Concen: 11.896 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063760.D

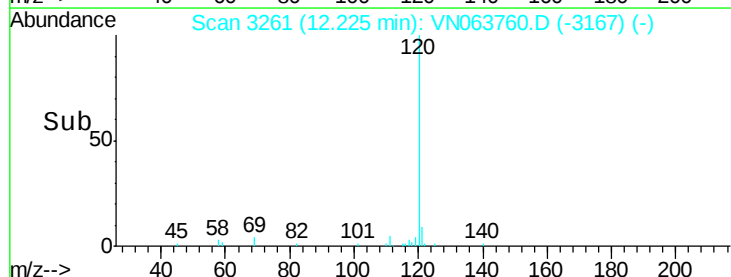
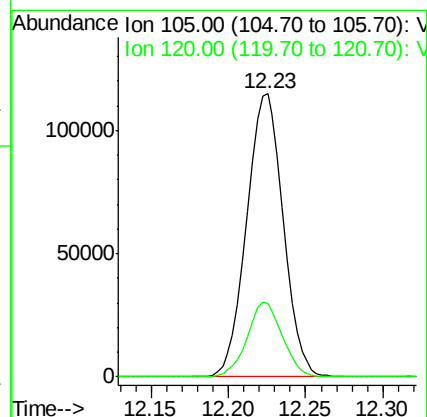
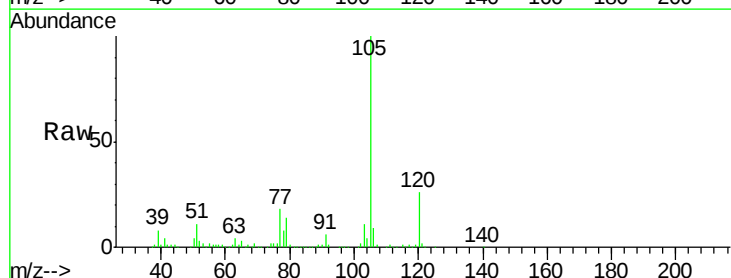
Acq: 30 Sep 2020 19:31

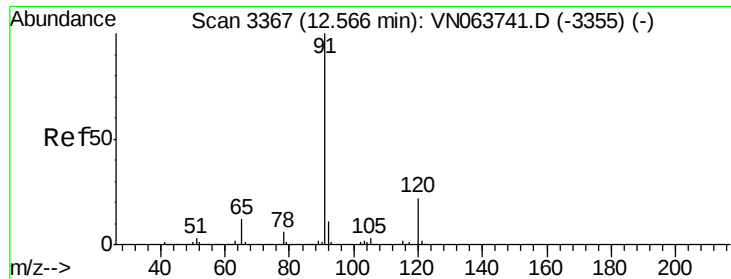
Tgt Ion:105 Resp: 189630

Ion Ratio Lower Upper

105 100

120 25.4 12.6 37.8





#78

n-propylbenzene

Concen: 46.970 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063760.D

Acq: 30 Sep 2020 19:31

Instrument :

MSVOA_N

ClientSampled :
40741

Tot Ion: 91 Resp: 871411

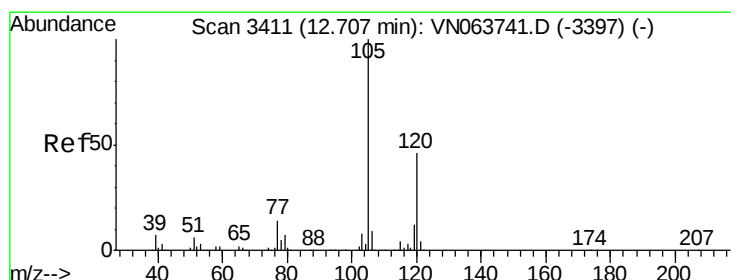
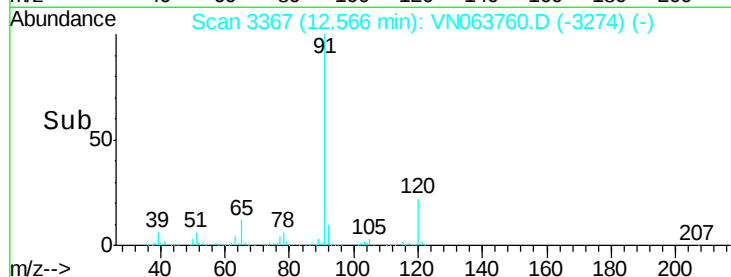
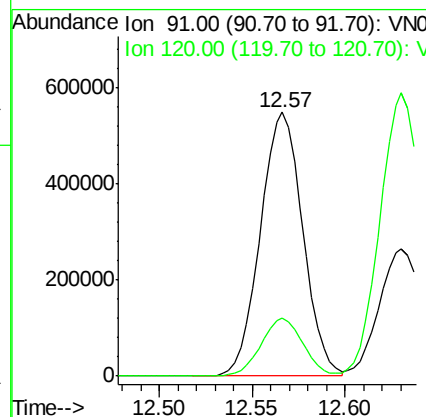
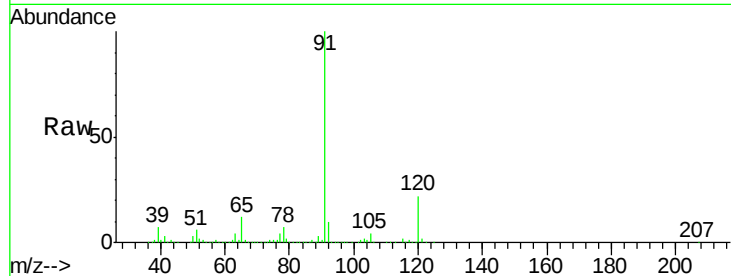
Ion Ratio Lower Upper

91 100

120 21.7 11.1 33.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 99.562 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063760.D

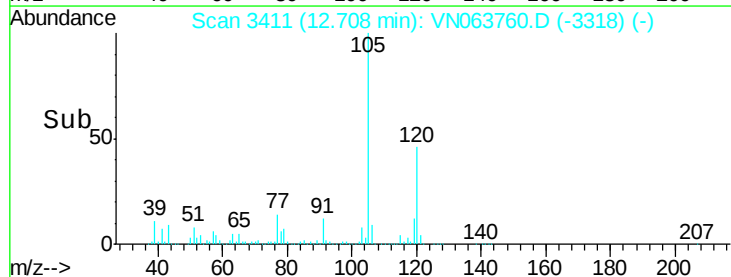
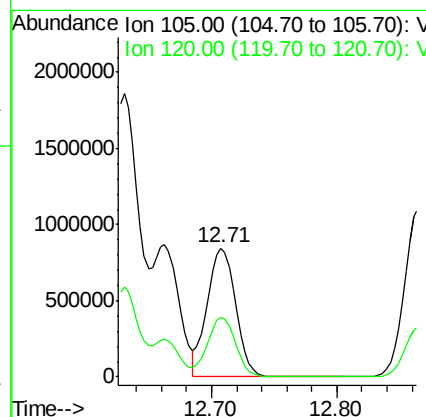
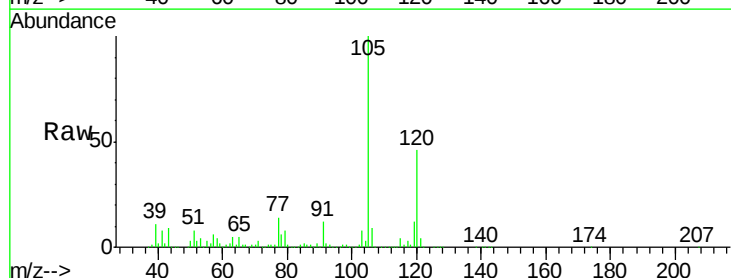
Acq: 30 Sep 2020 19:31

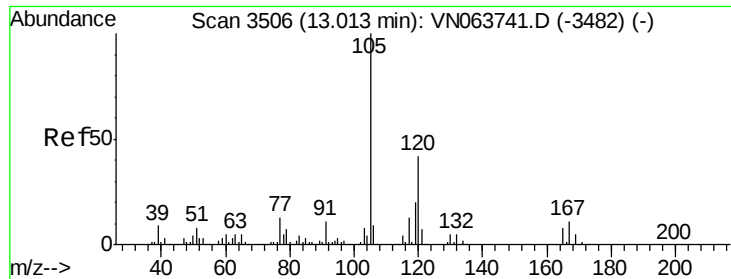
Tgt Ion: 105 Resp: 1331540

Ion Ratio Lower Upper

105 100

120 45.5 23.3 69.9





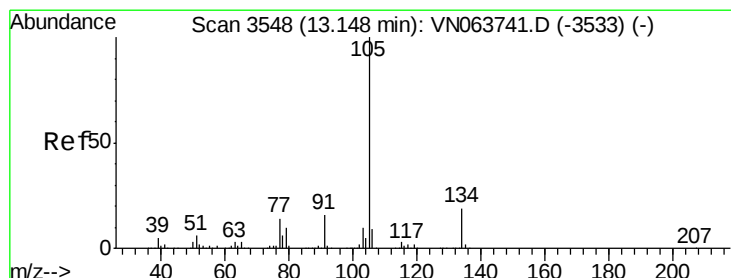
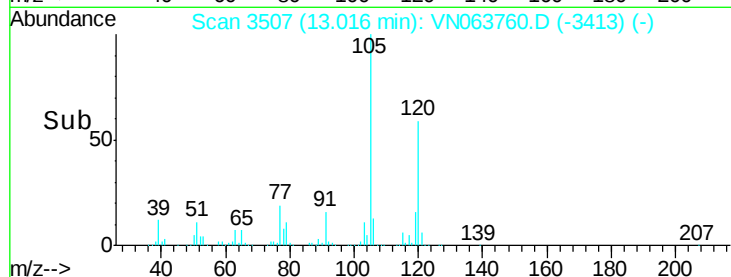
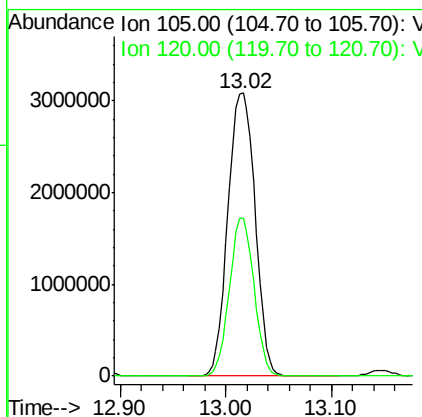
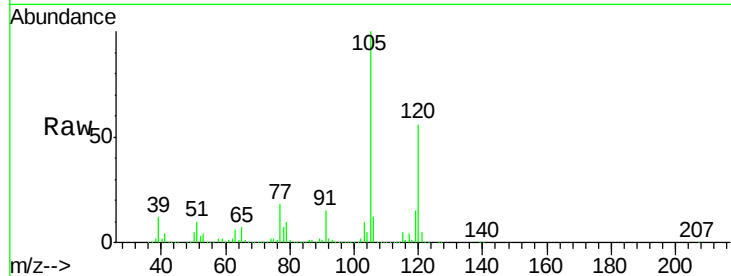
#84
 1,2,4-Trimethylbenzene
 Concen: 412.472 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Instrument :
 MSVOA_N
 ClientSampleId :
 40741

Tot Ion:105 Resp: 5507589
 Ion Ratio Lower Upper
 105 100
 120 50.5 20.9 62.7

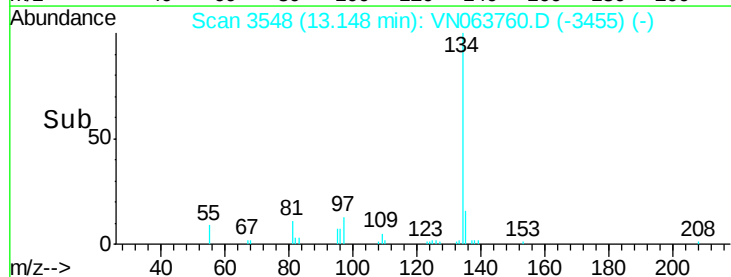
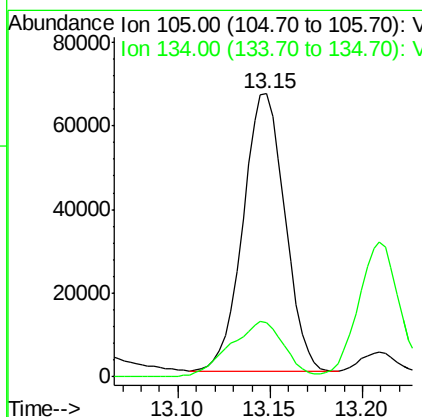
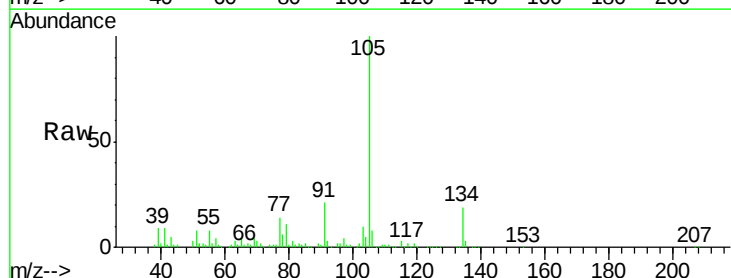
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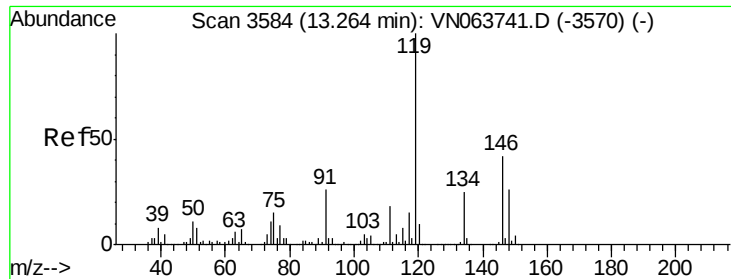
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#85
 sec-Butylbenzene
 Concen: 7.301 ug/l m
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Tgt Ion:105 Resp: 104910
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.5 28.5#





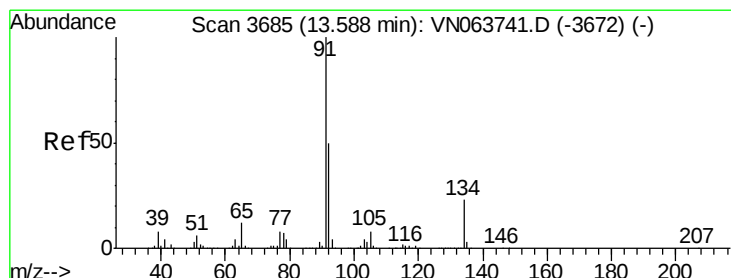
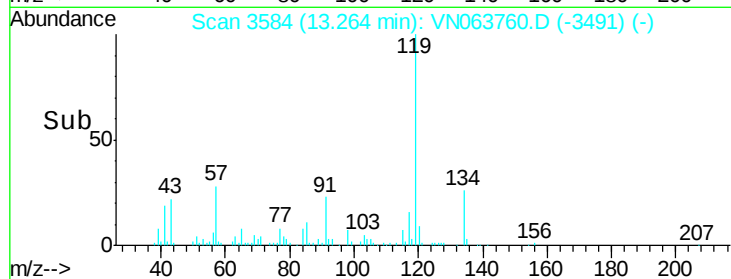
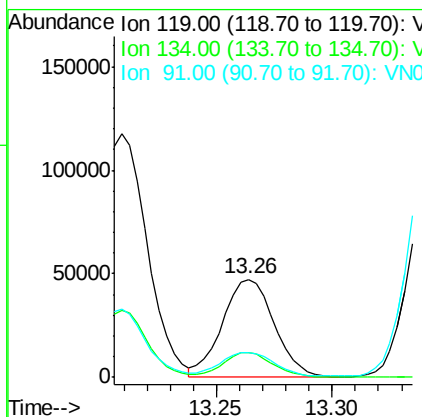
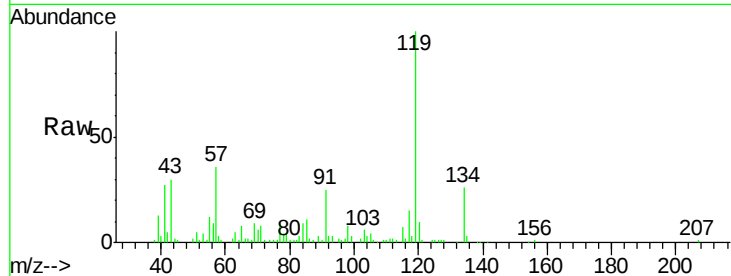
#86
 p-Isopropyltoluene
 Concen: 5.732 ug/l m
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Instrument :
 MSVOA_N
 ClientSampled :
 40741

Tot Ion	Ratio	Lower	Upper
119	100		
134	68.4	12.6	37.8#
91	65.9	13.4	40.2#

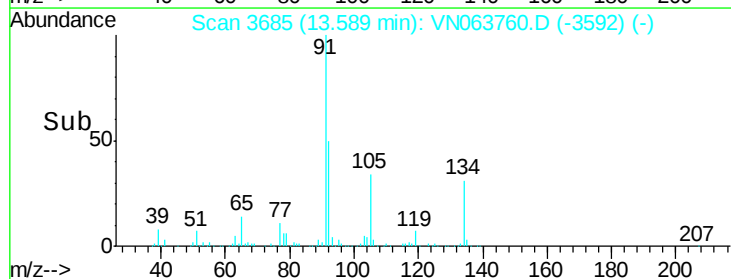
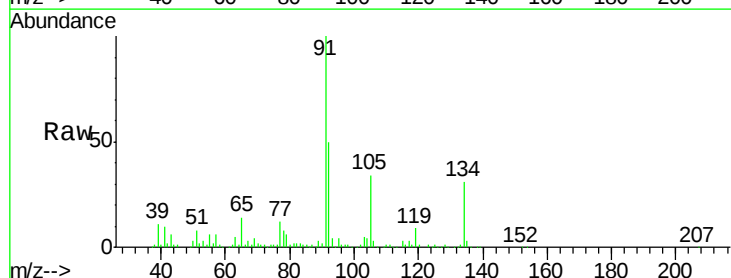
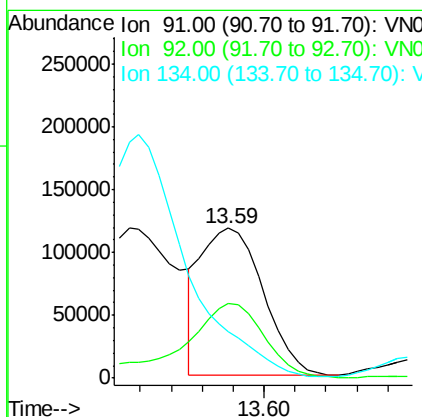
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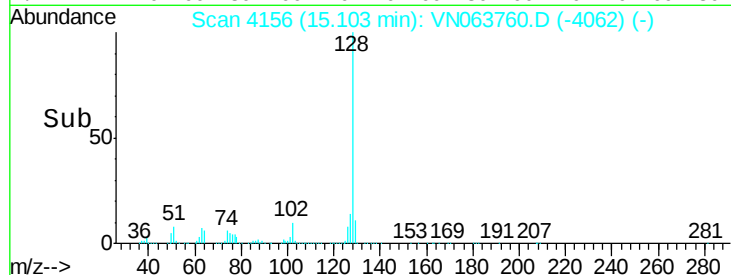
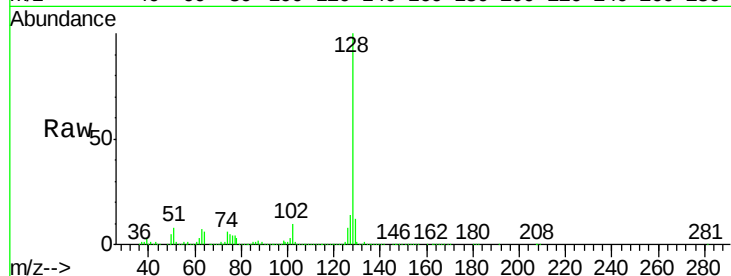
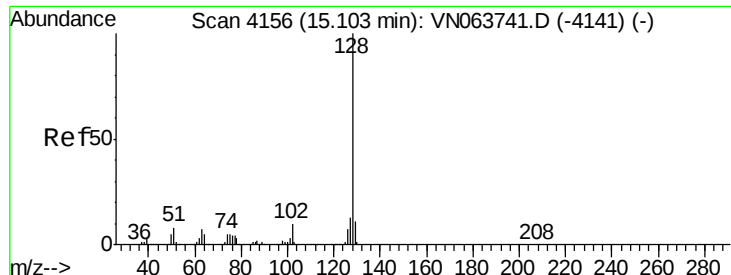
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#89
 n-Butylbenzene
 Concen: 13.806 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN063760.D
 Acq: 30 Sep 2020 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.8	25.4	76.4
134	0.0	11.7	35.1#





#95
Naphthalene
Concen: 325.945 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063760.D
Acq: 30 Sep 2020 19:31

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.2	8.7	13.1

Instrument :
MSVOA_N
ClientSampleId :
40741

Manual Integrations
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