

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063704.D
 Acq On : 28 Sep 2020 14:45
 Operator : JC/MD
 Sample : L4114-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 67-68-73-74

Manual Integrations
 APPROVED

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 9/29/2020 4:38:03 PM

Quant Time: Sep 29 04:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	377868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	394290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	180257	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.30%	
35) Dibromofluoromethane	7.55	113	130395	49.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.70%	
50) Toluene-d8	10.06	98	495291	50.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.38	95	201599	55.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.82%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.74	59	23599	48.334	ug/l #	77
16) Acetone	3.78	43	134337	118.602	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	9969	1.145	ug/l	91
20) Methylene Chloride	4.51	84	5462m	1.903	ug/l	
25) 2-Butanone	6.79	43	180165	103.423	ug/l	99
30) Chloroform	7.33	83	134029	25.961	ug/l	97
47) Bromodichloromethane	9.37	83	4685	1.096	ug/l	94
49) 1,4-Dioxane	9.17	88	57291	1150.175	ug/l	94
52) Toluene	10.13	92	90322	13.073	ug/l	98
69) o-Xylene	11.92	106	5891	1.088	ug/l	82

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

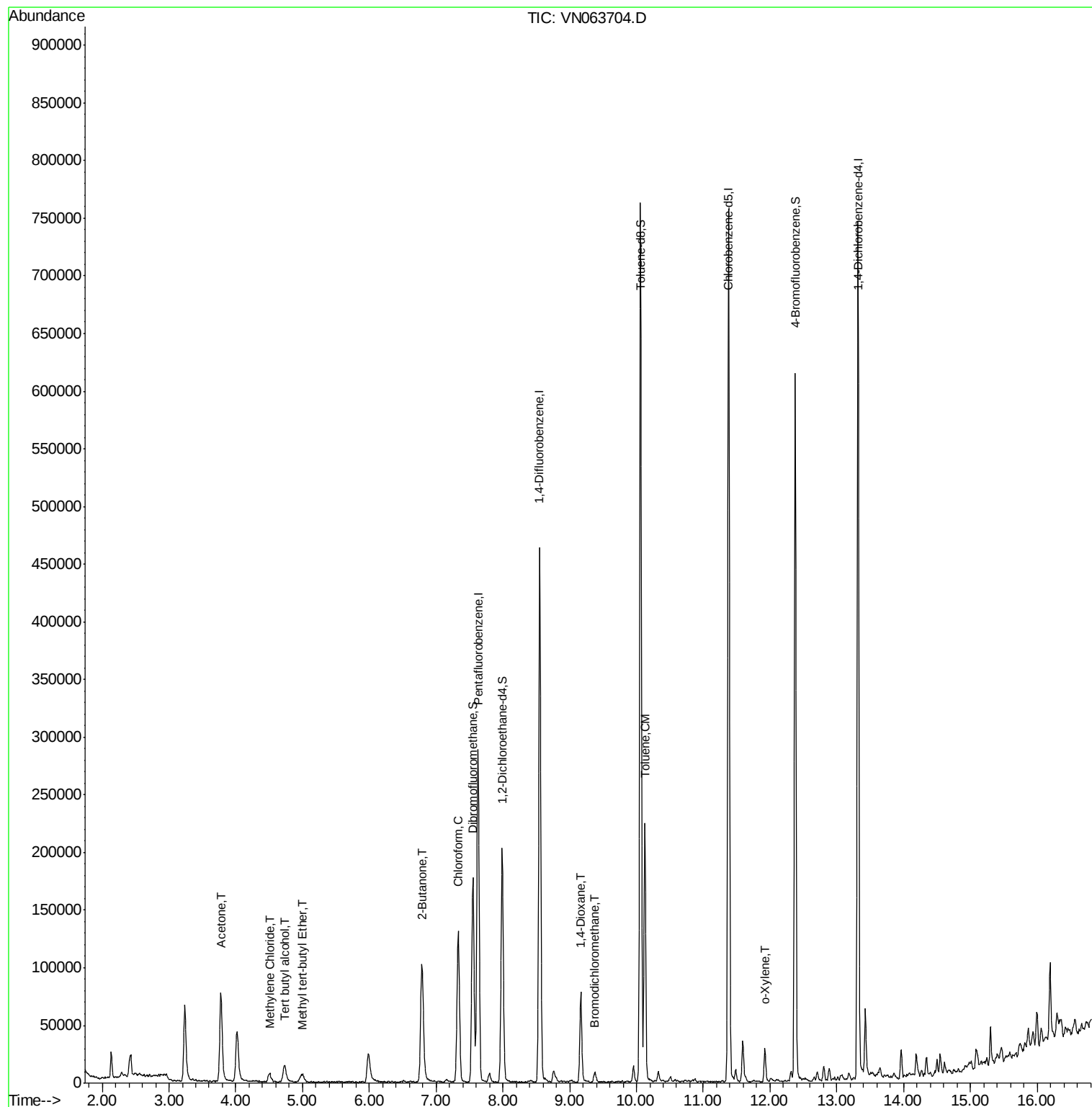
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092820\
Data File : VN063704.D
Acq On : 28 Sep 2020 14:45
Operator : JC/MD
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ALS Vial : 8 Sample Multiplier: 1

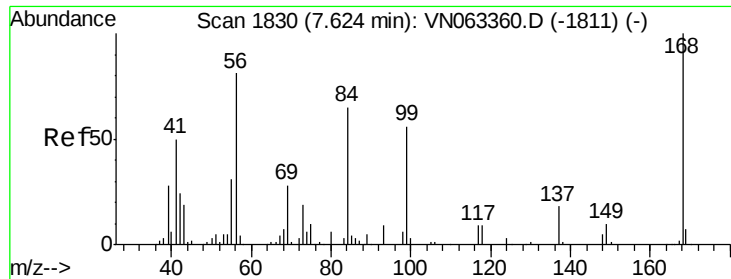
Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Manual Integrations
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Quant Time: Sep 29 04:05:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063704.D

Acq: 28 Sep 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

67-68-73-74

Tot Ion:168 Resp: 207040

Ion Ratio Lower Upper

168 100

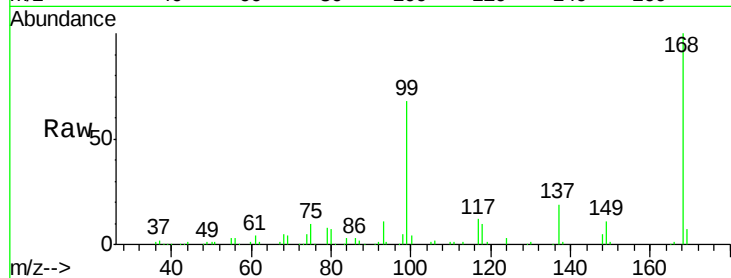
99 67.7 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

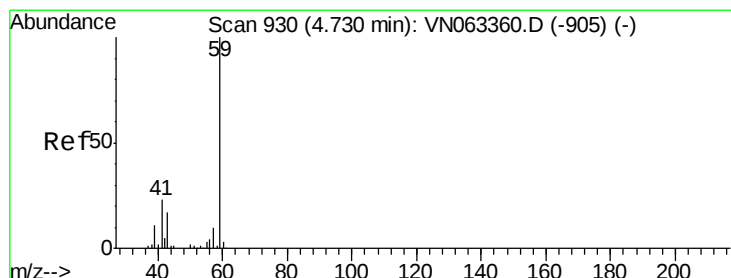
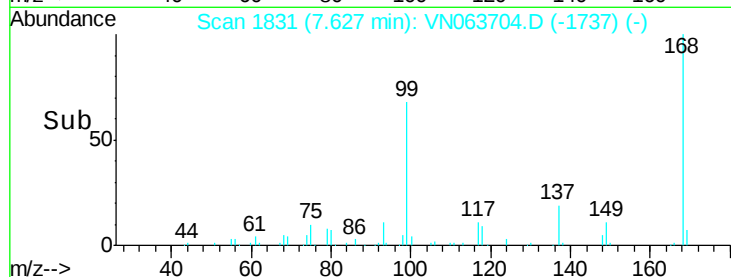
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 48.334 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN063704.D

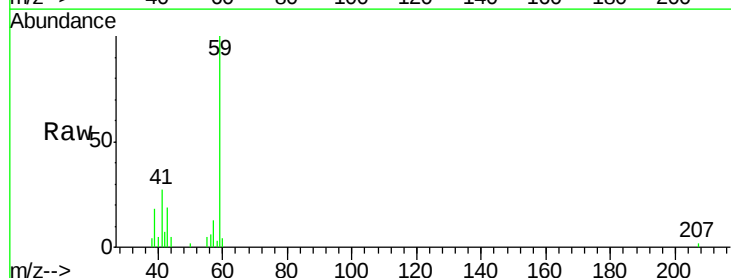
Acq: 28 Sep 2020 14:45

Tgt Ion: 59 Resp: 23599

Ion Ratio Lower Upper

59 100

57 1.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

8000

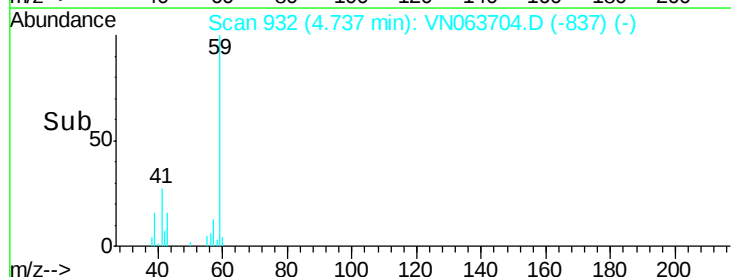
6000

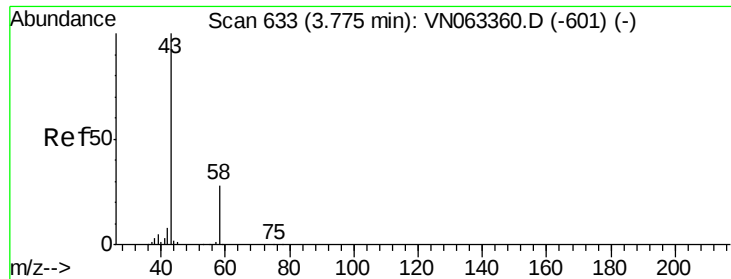
4000

2000

0

Time--> 4.60 4.70 4.80





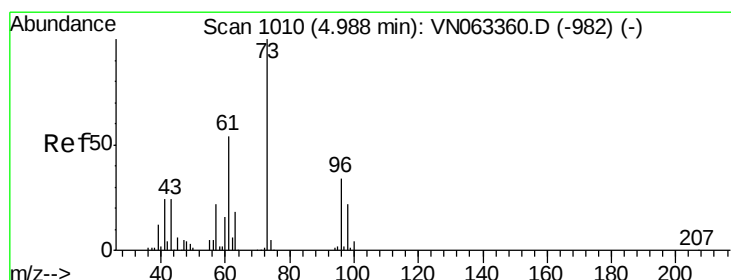
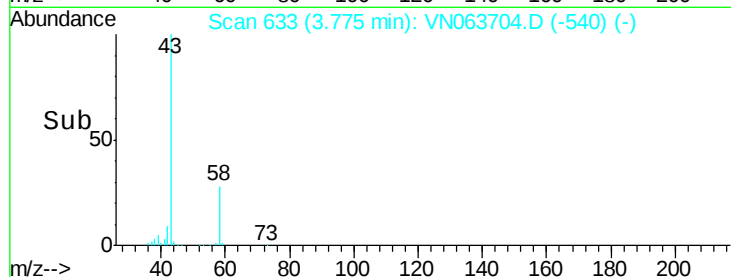
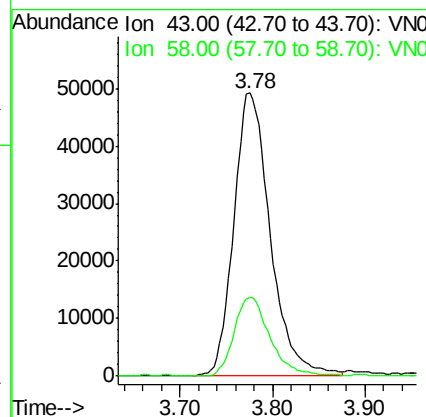
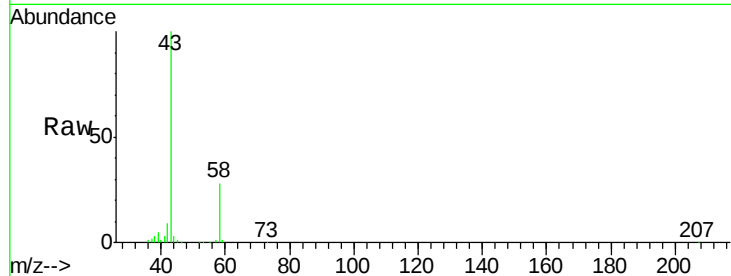
#16
Acetone
Concen: 118.602 ug/l
RT: 3.78 min Scan# 633
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Tot Ion: 43 Resp: 134337
Ion Ratio Lower Upper
43 100
58 27.7 22.3 33.5

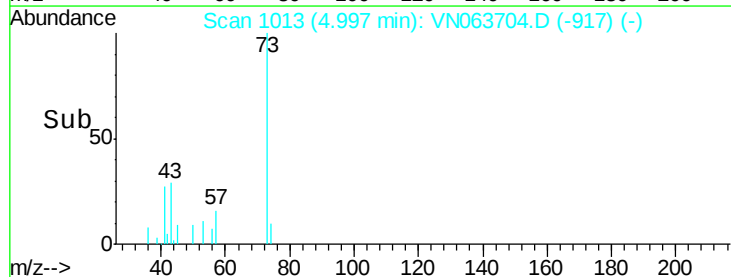
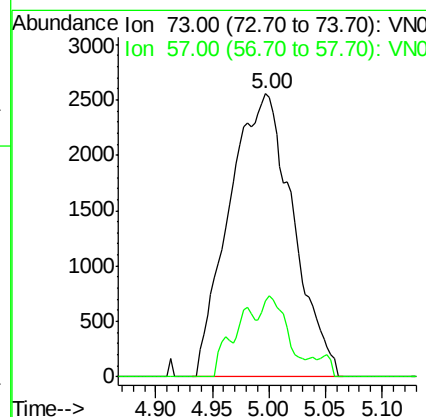
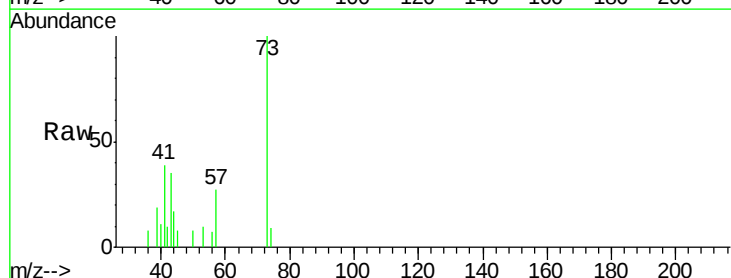
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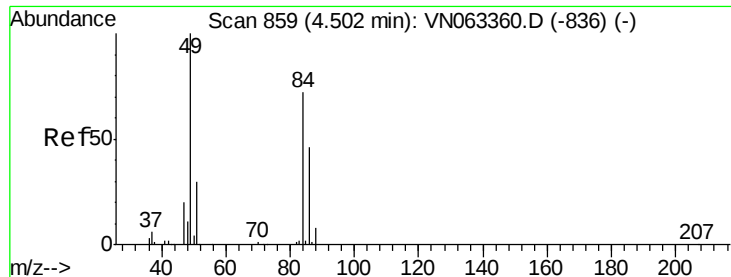
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#19
Methyl tert-butyl Ether
Concen: 1.145 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion: 73 Resp: 9969
Ion Ratio Lower Upper
73 100
57 26.9 17.9 26.9





#20

Methvlene Chloride

Concen: 1.903 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063704.D

Acq: 28 Sep 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

67-68-73-74

Tot Ion: 84 Resp: 5462

Ion Ratio Lower Upper

84 100

49 111.6 110.7 166.1

51 40.5 32.9 49.3

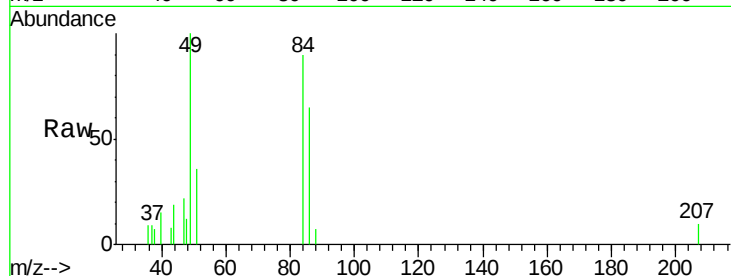
86 72.3 51.1 76.7

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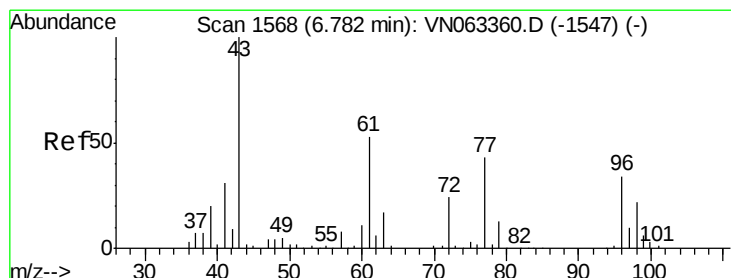
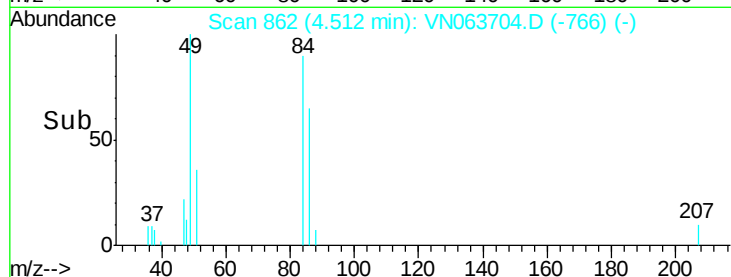
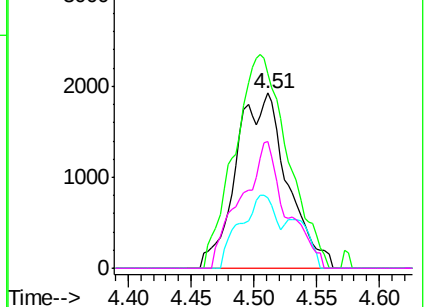


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 103.423 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063704.D

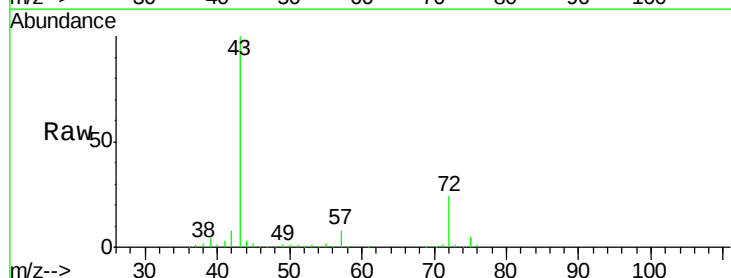
Acq: 28 Sep 2020 14:45

Tgt Ion: 43 Resp: 180165

Ion Ratio Lower Upper

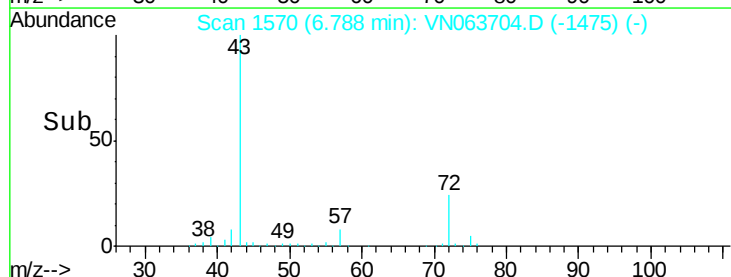
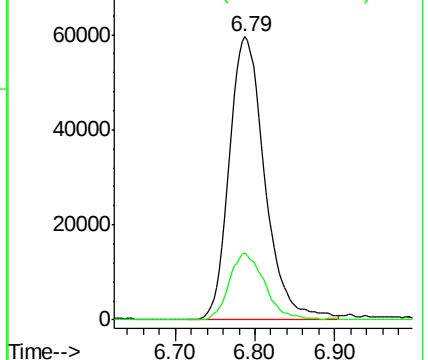
43 100

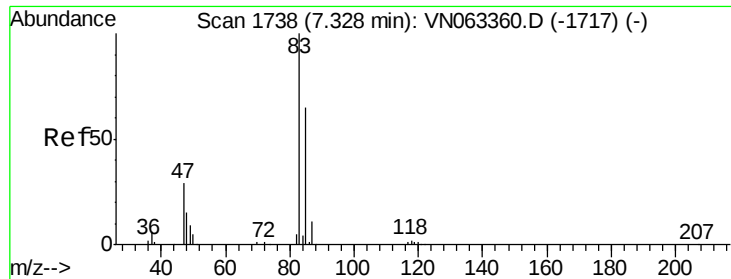
72 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





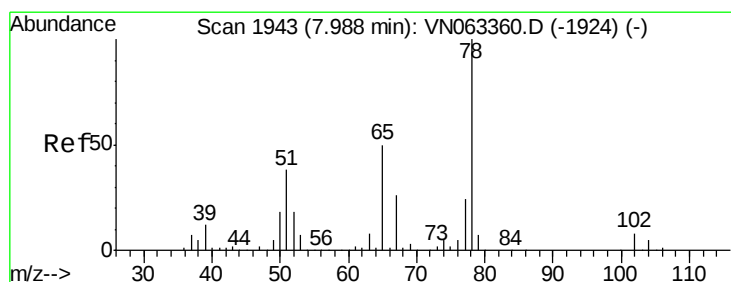
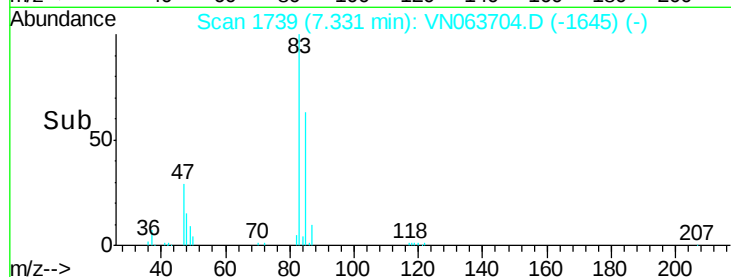
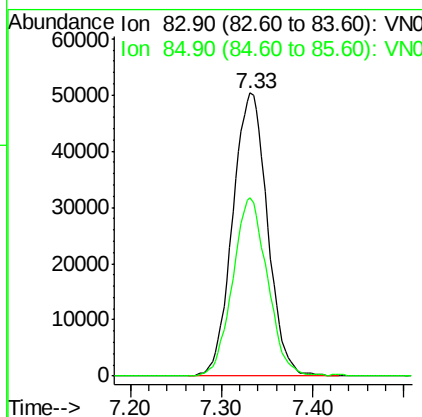
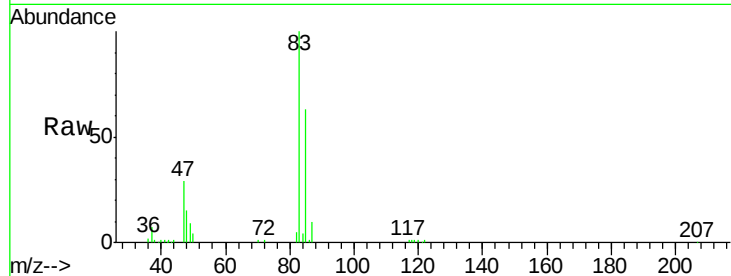
#30
Chloroform
Concen: 25.961 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Tot Ion	83	Resp	134029
Ion Ratio	100	Lower	Upper
85	62.9	52.1	78.1

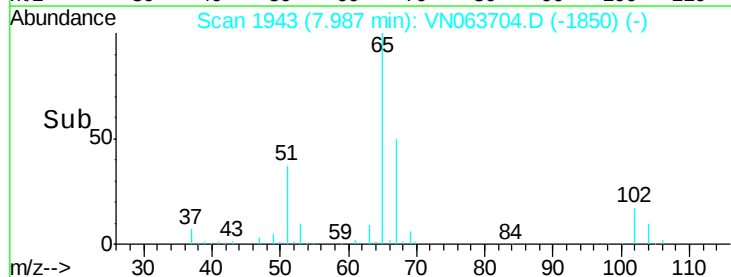
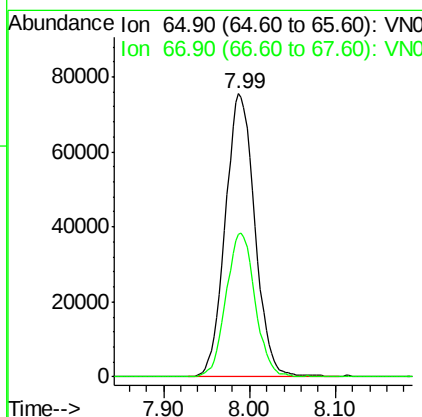
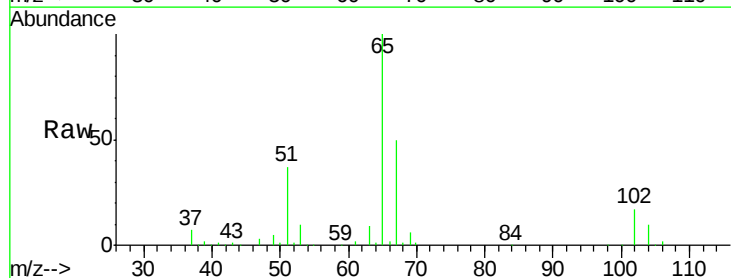
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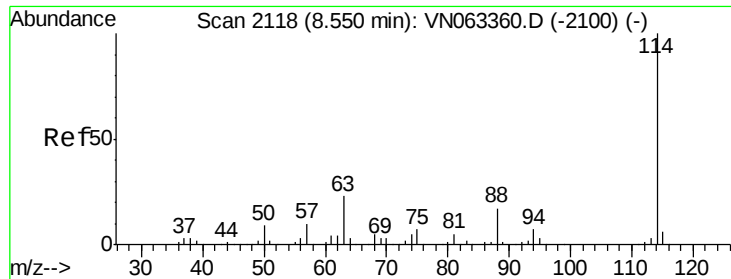
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#33
1,2-Dichloroethane-d4
Concen: 51.146 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion	65	Resp	180257
Ion Ratio	100	Lower	Upper
67	49.8	0.0	104.2





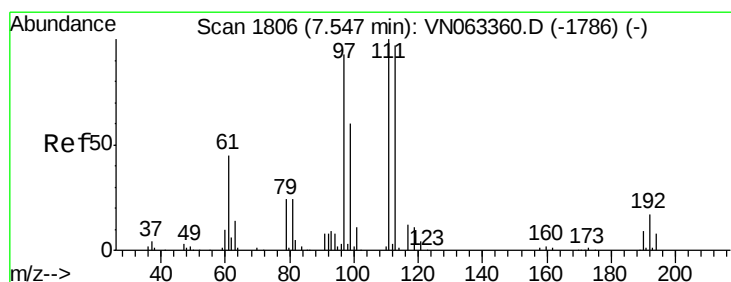
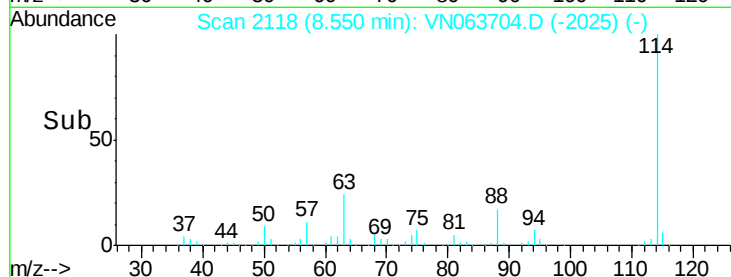
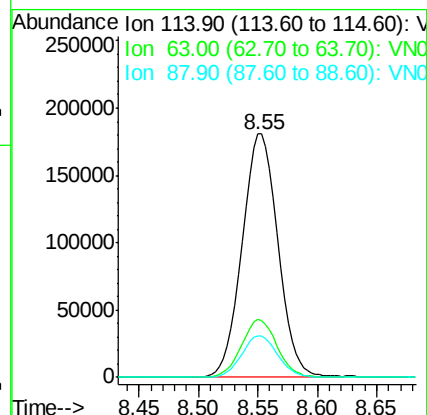
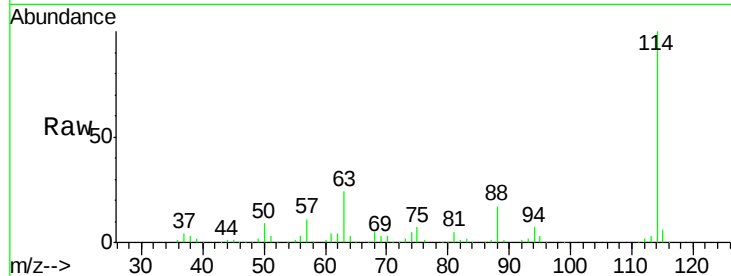
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.9	0.0	46.4
88	16.8	0.0	33.2

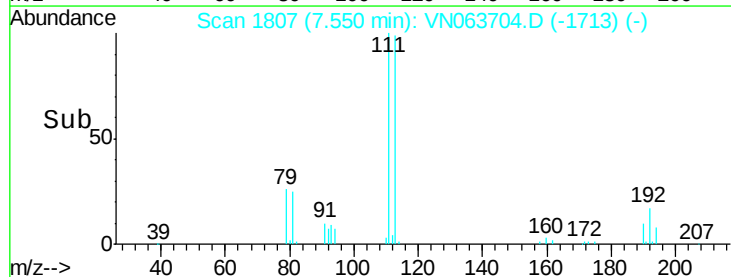
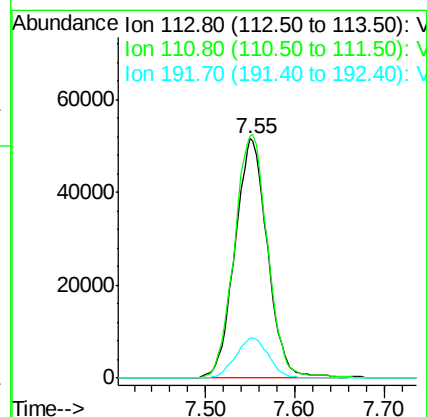
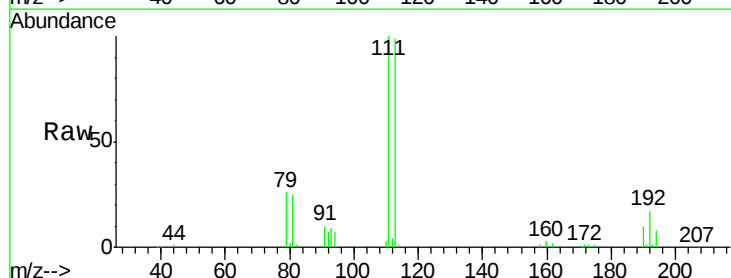
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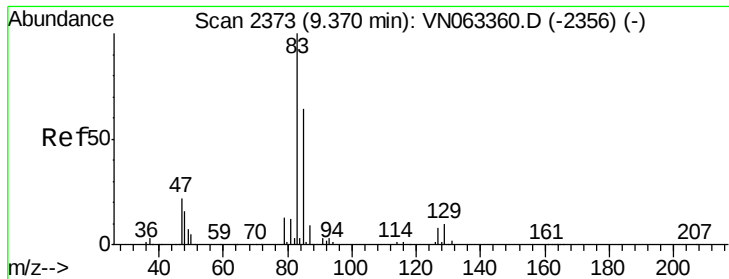
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#35
Dibromofluoromethane
Concen: 49.847 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	104.0	82.9	124.3
192	17.0	13.9	20.9





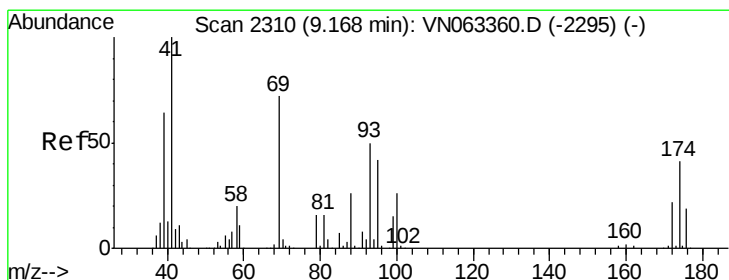
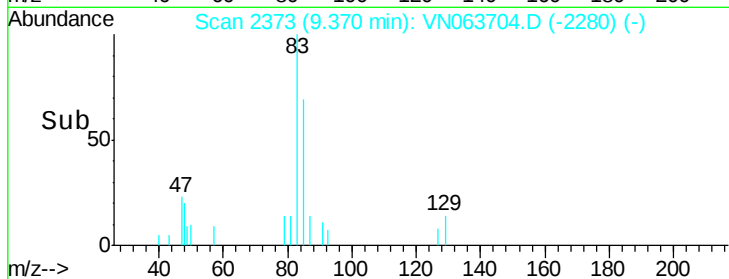
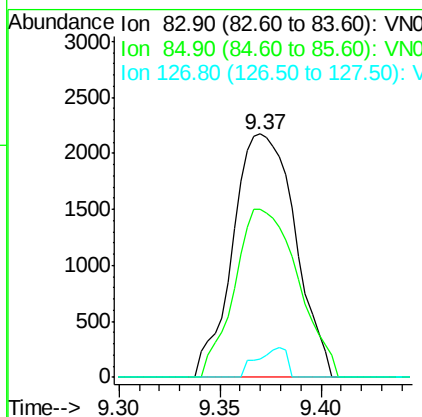
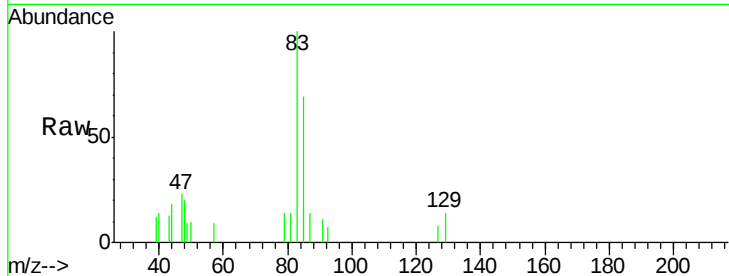
#47
Bromodichloromethane
Concen: 1.096 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Tot Ion	83	Resp	4685
Ion	Ratio	Lower	Upper
83	100		
85	69.1	51.0	76.6
127	7.6	6.3	9.5

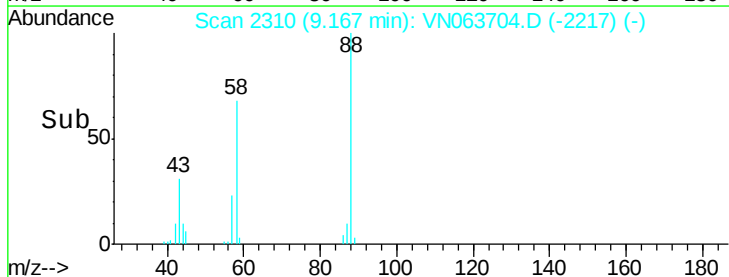
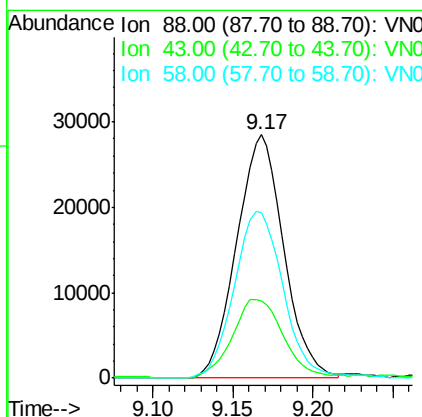
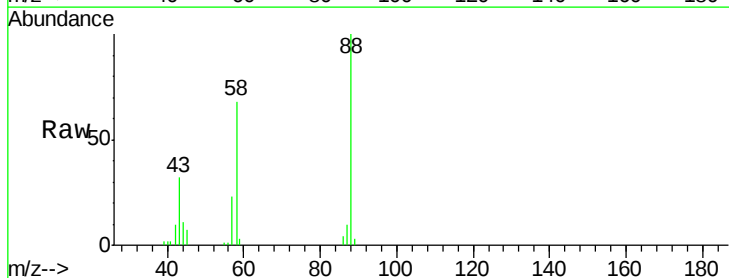
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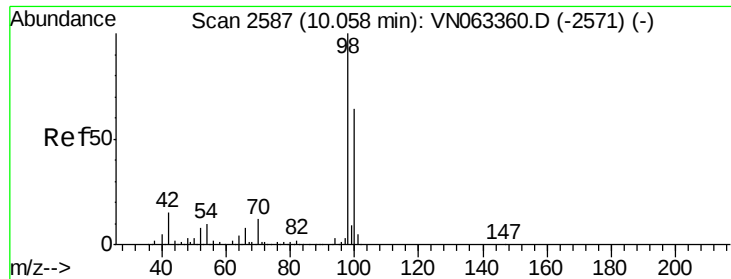
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#49
1,4-Dioxane
Concen: 1150.175 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion	88	Resp	57291
Ion	Ratio	Lower	Upper
88	100		
43	35.2	32.6	49.0
58	71.6	60.0	90.0





#50

Toluene-d8

Concen: 50.354 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063704.D

Acq: 28 Sep 2020 14:45

Instrument :

MSVOA_N

ClientSampleId :

67-68-73-74

Tot Ion: 98 Resp: 495291

Ion Ratio Lower Upper

98 100

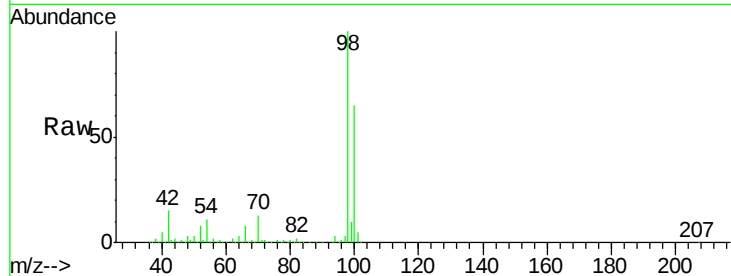
100 63.9 50.7 76.1

Manual Integrations

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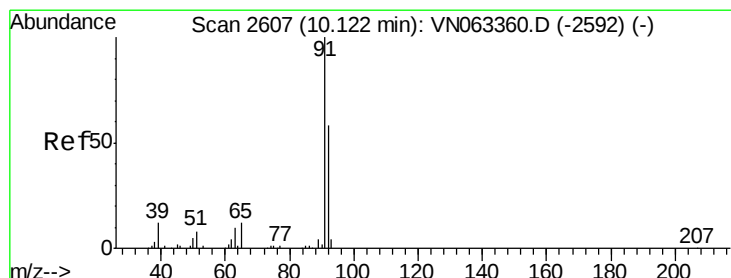
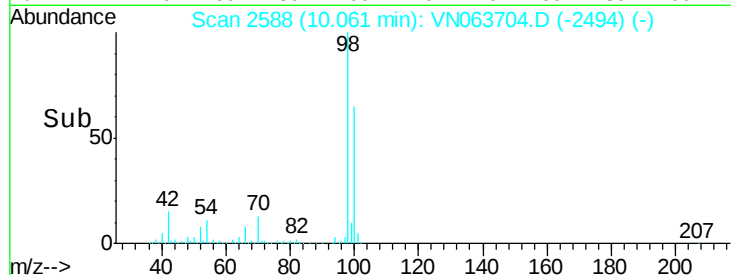
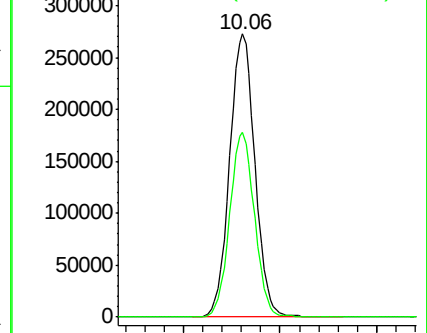
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 13.073 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063704.D

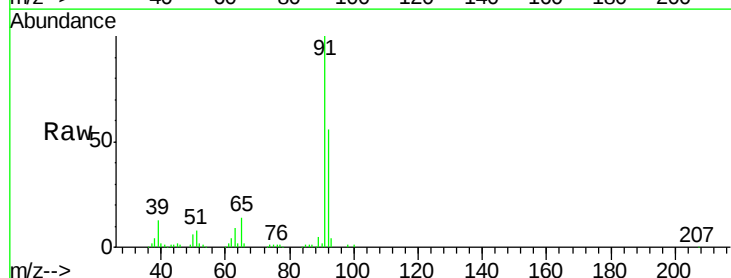
Acq: 28 Sep 2020 14:45

Tgt Ion: 92 Resp: 90322

Ion Ratio Lower Upper

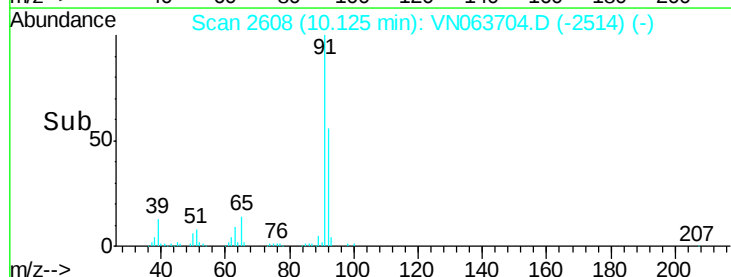
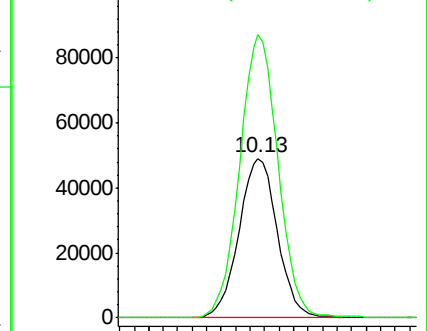
92 100

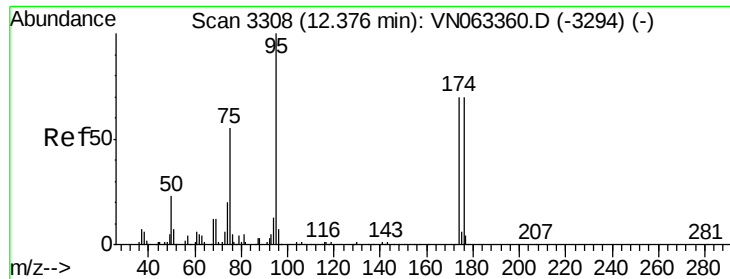
91 177.9 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





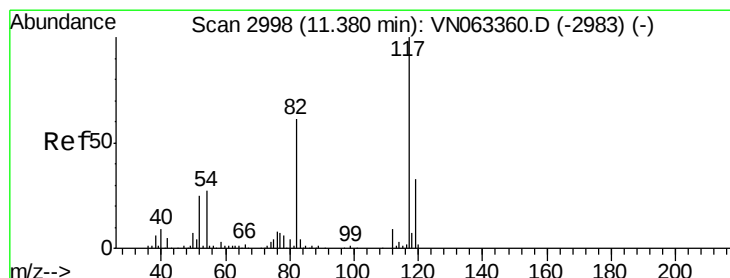
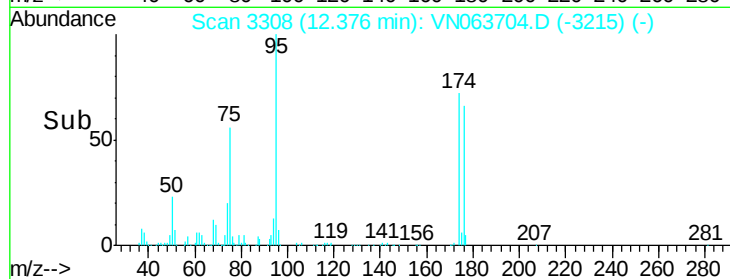
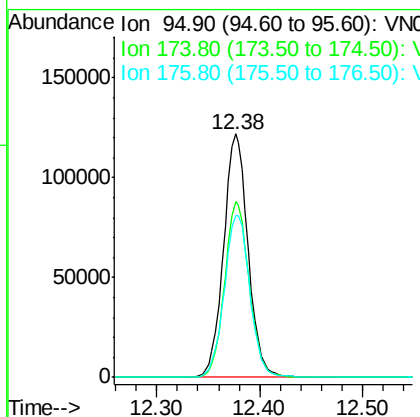
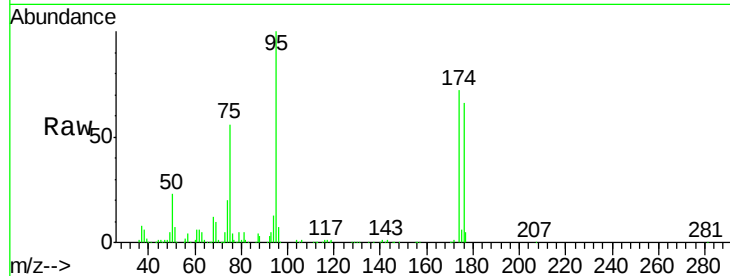
#62
4-Bromofluorobenzene
Concen: 55.910 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampleId :
67-68-73-74

Tot Ion	Ratio	Resp	Lower	Upper
95	100	201599		
174	72.6	0.0	140.8	
176	69.4	0.0	137.6	

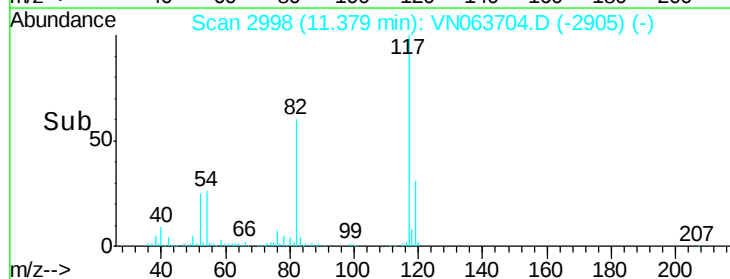
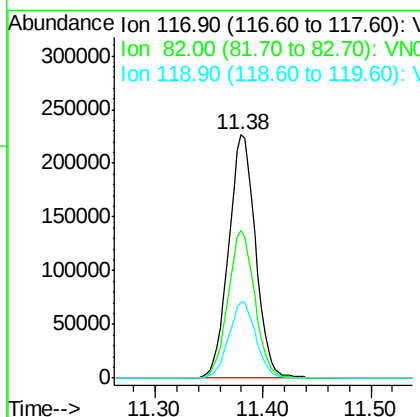
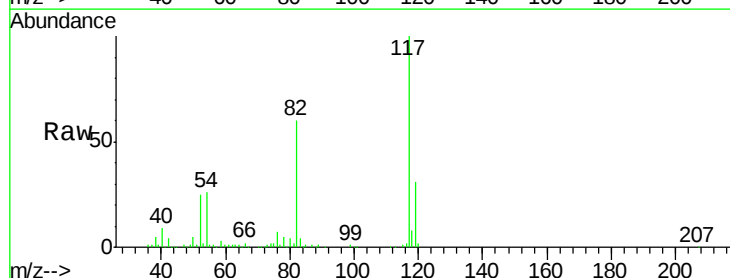
Manual Integrations
APPROVED

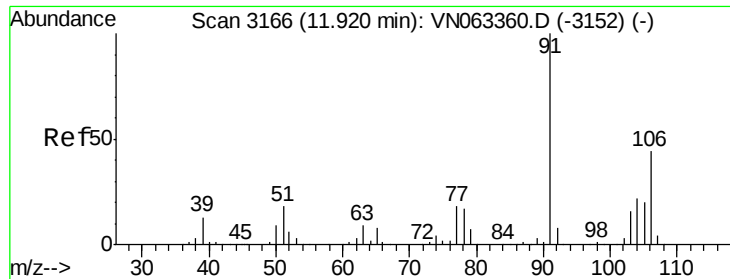
MMDadoda
9/29/2020 4:38:03 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	394290		
82	60.4	49.2	73.8	
119	31.3	26.2	39.4	





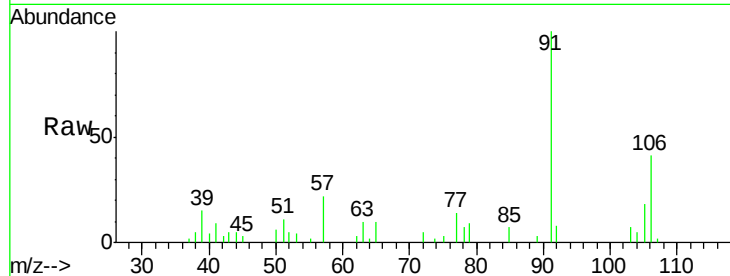
#69
o-Xylene
Concen: 1.088 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Instrument :
MSVOA_N
ClientSampled :
67-68-73-74

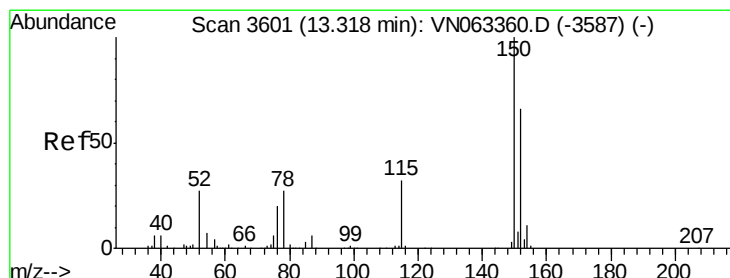
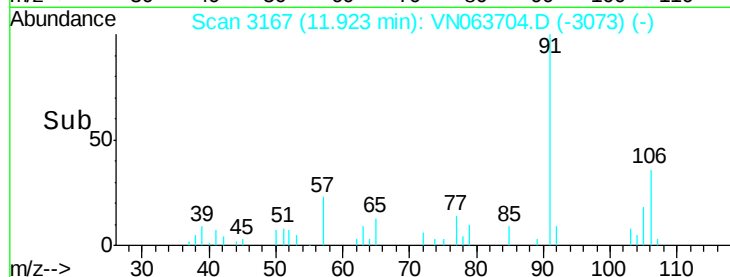
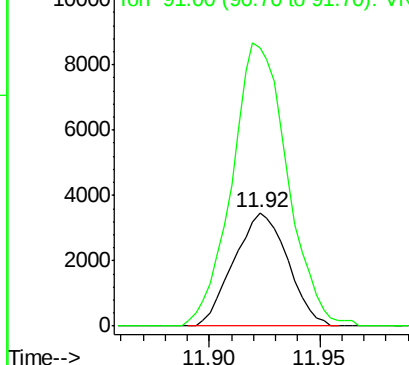
Tot Ion:106 Resp: 5891
Ion Ratio Lower Upper
106 100
91 257.4 113.6 340.8

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:38:03 PM

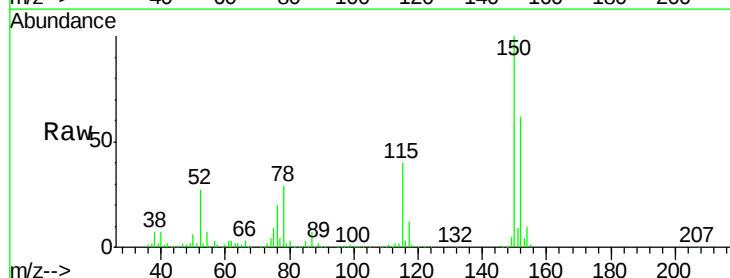


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063704.D
Acq: 28 Sep 2020 14:45

Tgt Ion:152 Resp: 177209
Ion Ratio Lower Upper
152 100
115 64.2 32.2 96.6
150 157.8 0.0 343.4



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

