

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\
 Data File : VN063204.D
 Acq On : 2 Sep 2020 19:04
 Operator : JC/MD
 Sample : L3814-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 87-88-89-07-10

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 9:29:13 AM

Quant Time: Sep 03 02:49:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	308759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	609127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	603360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241885	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	249883	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
35) Dibromofluoromethane	7.55	113	191864	49.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.20%	
50) Toluene-d8	10.06	98	773609	51.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.38	95	266235	50.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.20%	
Target Compounds						
8) Diethyl Ether	3.38	74	63438	27.108	ug/l	91
11) Tert butyl alcohol	4.73	59	23299m	37.606	ug/l	
16) Acetone	3.77	43	887269	618.390	ug/l	98
20) Methylene Chloride	4.51	84	8371m	1.599	ug/l	
25) 2-Butanone	6.79	43	57501	25.882	ug/l	96
52) Toluene	10.13	92	21124	1.971	ug/l	95

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

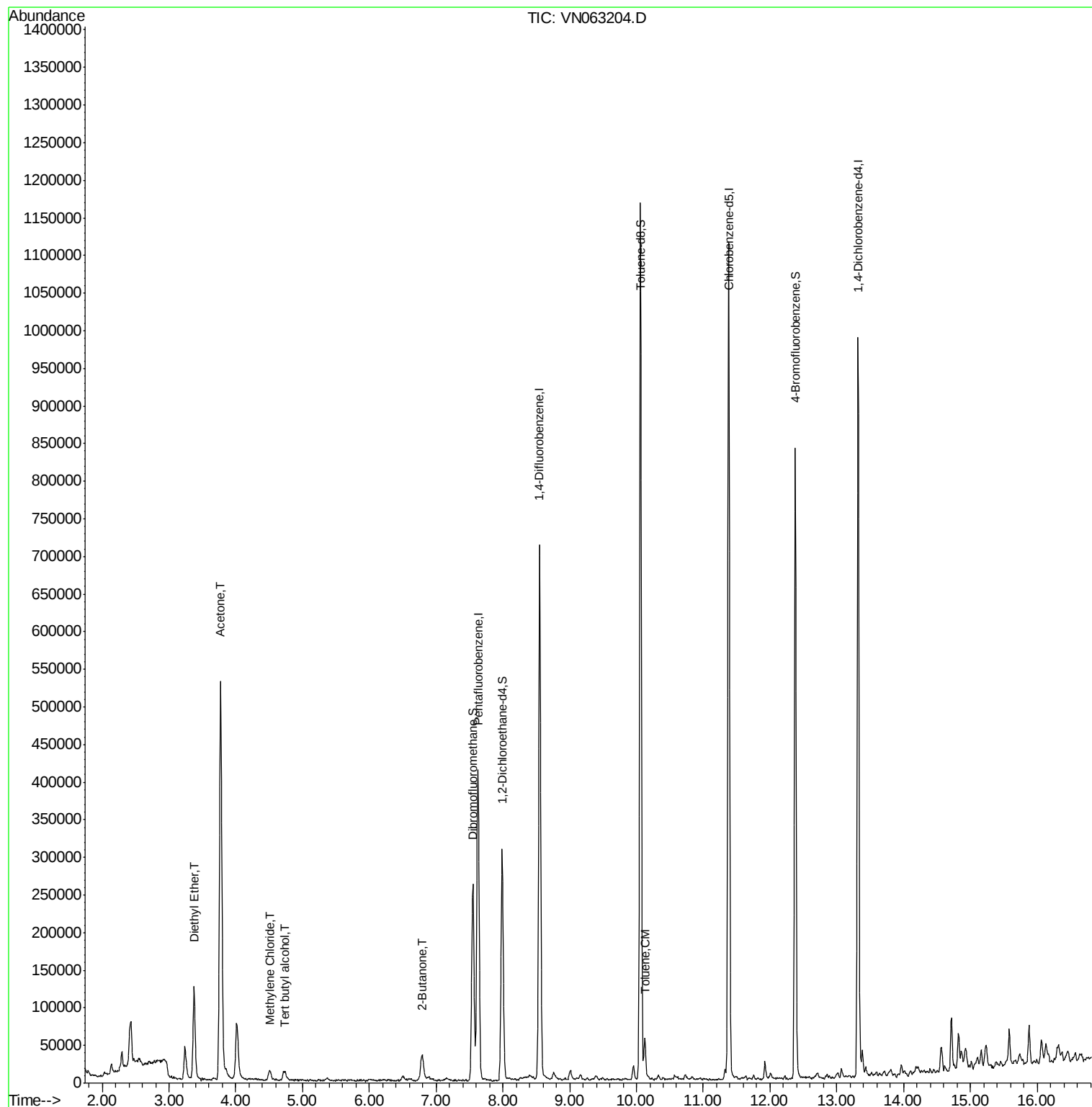
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090220\
Data File : VN063204.D
Acq On : 2 Sep 2020 19:04
Operator : JC/MD
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 25 Sample Multiplier: 1

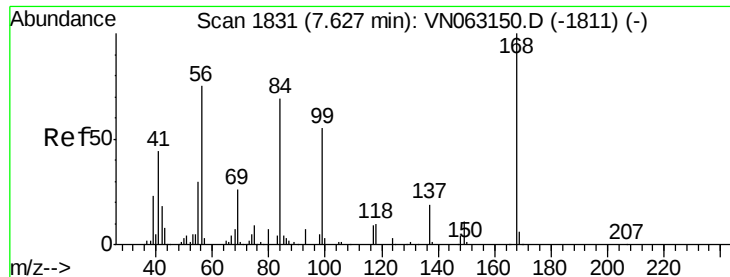
Instrument :
MSVOA_N
ClientSampleId :
87-88-89-07-10

Manual Integrations
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Quant Time: Sep 03 02:49:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 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: VN063204.D

Acq: 2 Sep 2020 19:04

Instrument :

MSVOA_N

ClientSampled :

87-88-89-07-10

Tot Ion:168 Resp: 308759

Ion Ratio Lower Upper

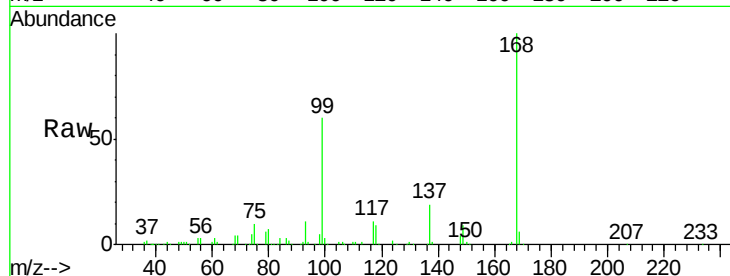
168 100

99 60.5 54.2 81.2

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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

150000

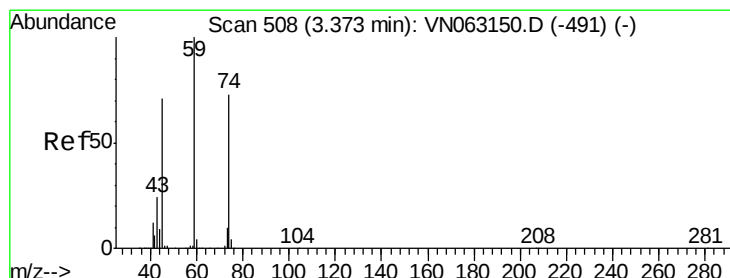
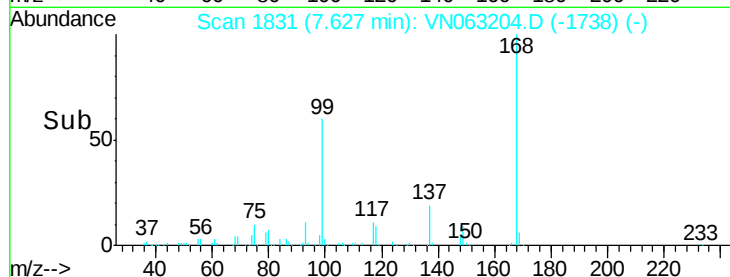
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#8

Diethyl Ether

Concen: 27.108 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063204.D

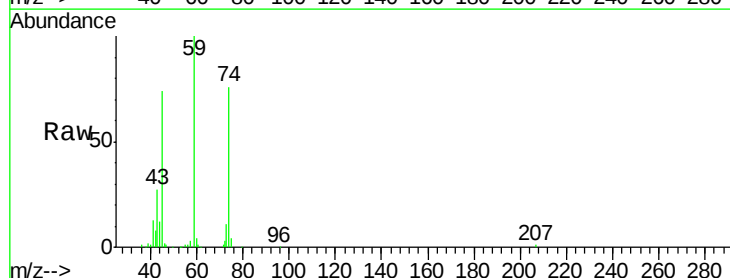
Acq: 2 Sep 2020 19:04

Tgt Ion: 74 Resp: 63438

Ion Ratio Lower Upper

74 100

45 90.5 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.38

30000

25000

20000

15000

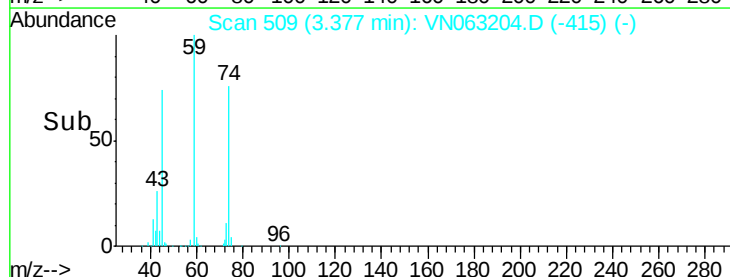
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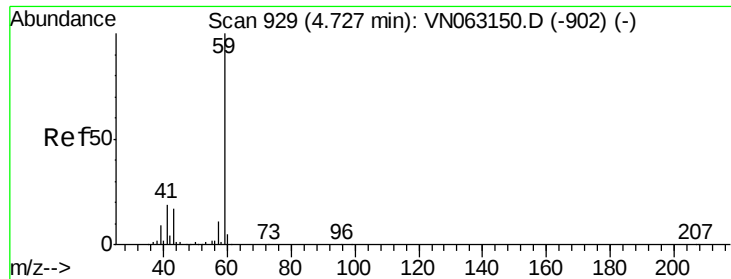
5000

0

3.30 3.35 3.40 3.45

Time-->





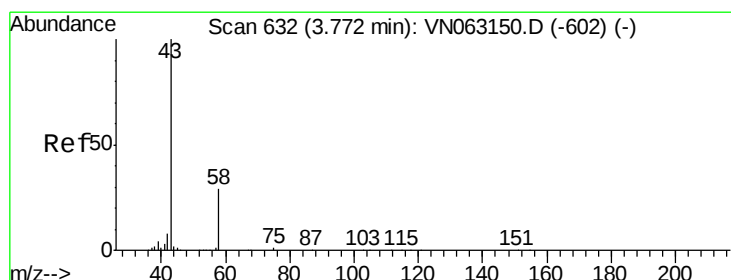
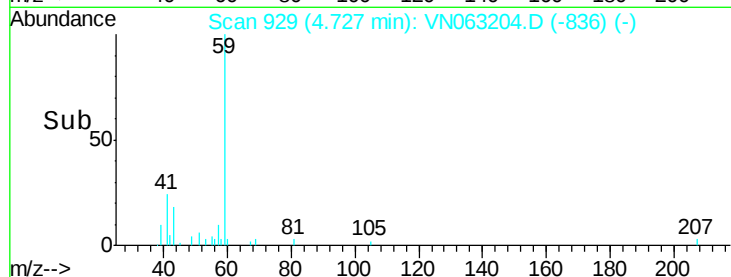
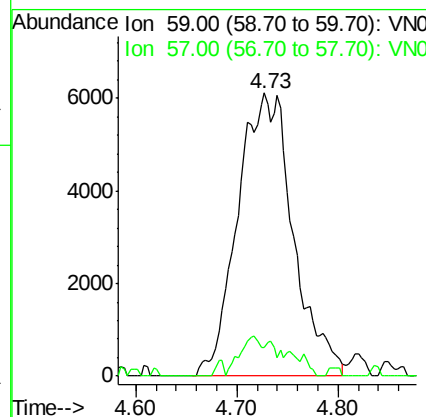
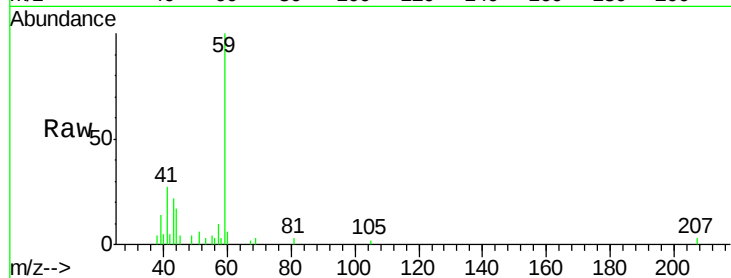
#11
Tert butyl alcohol
Concen: 37.606 ug/l m
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Instrument :
MSVOA_N
ClientSampleId :
87-88-89-07-10

Tot Ion	59	Resp	23299
Ion Ratio	100	Lower	Upper
57	5.2	8.4	12.6#

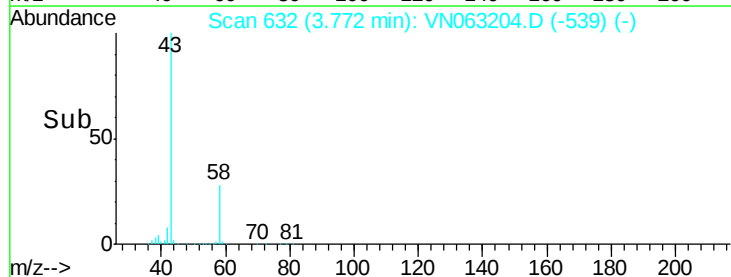
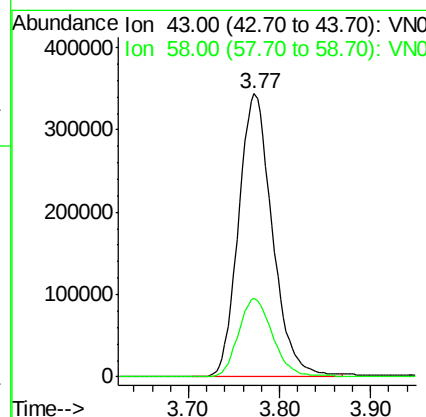
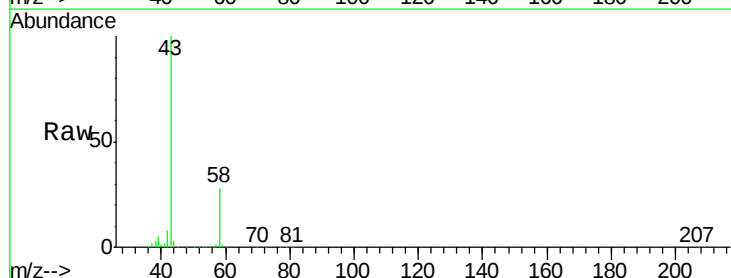
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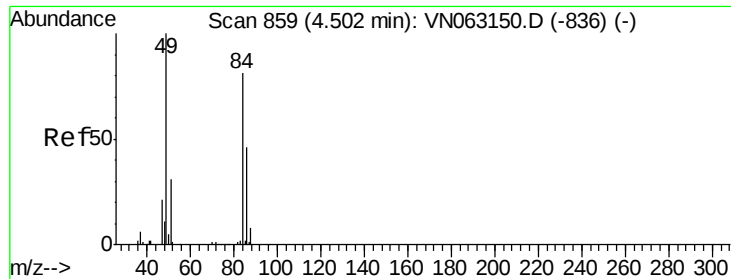
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#16
Acetone
Concen: 618.390 ug/l
RT: 3.77 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Tgt Ion	43	Resp	887269
Ion Ratio	100	Lower	Upper
58	27.9	23.1	34.7





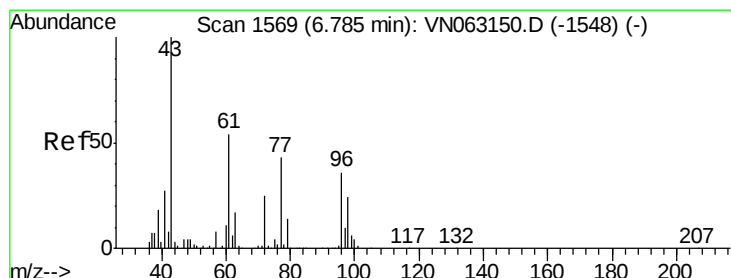
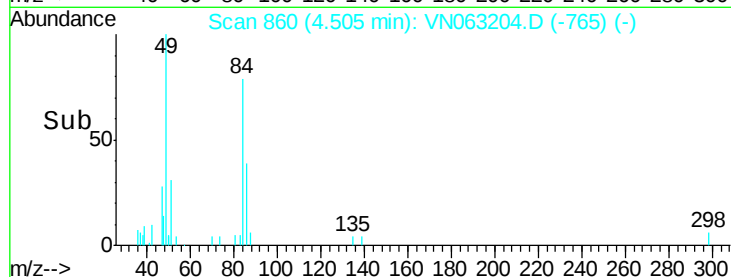
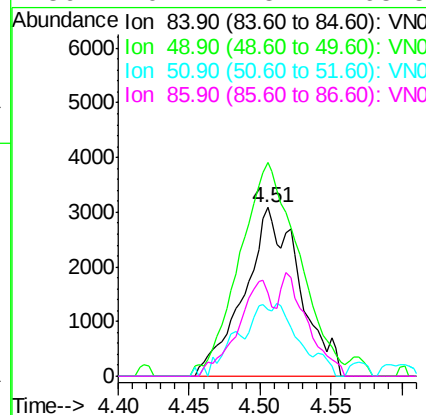
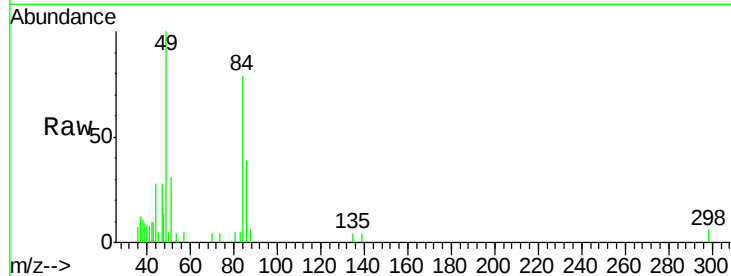
#20
Methvlene Chloride
Concen: 1.599 ug/l m
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Instrument :
MSVOA_N
ClientSampleId :
87-88-89-07-10

Tot Ion:	84	Resp:	8371
Ion	Ratio	Lower	Upper
84	100		
49	126.8	98.4	147.6
51	39.4	30.4	45.6
86	49.2	45.7	68.5

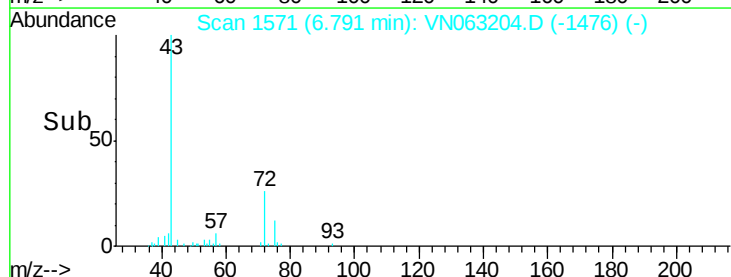
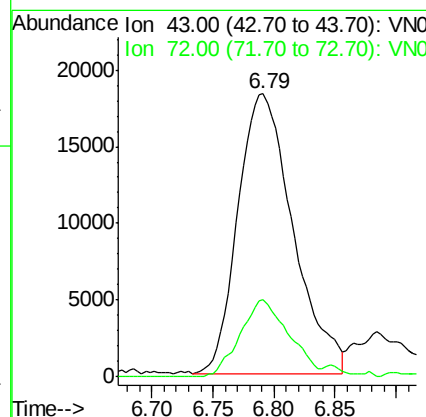
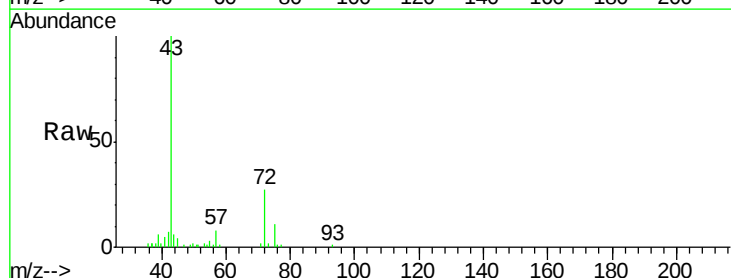
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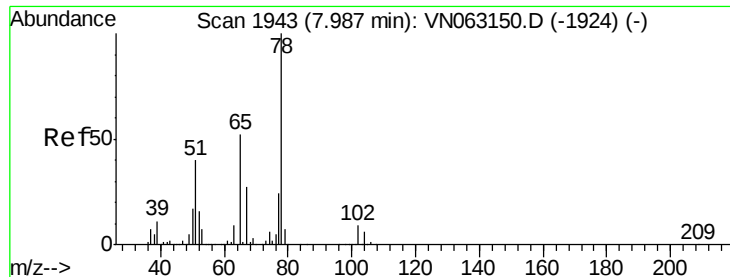
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#25
2-Butanone
Concen: 25.882 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Tgt Ion:	43	Resp:	57501
Ion	Ratio	Lower	Upper
43	100		
72	27.6	20.2	30.4





#33

1,2-Dichloroethane-d4

Concen: 49.508 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063204.D

Acq: 2 Sep 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

87-88-89-07-10

Tot Ion: 65 Resp: 249883

Ion Ratio Lower Upper

65 100

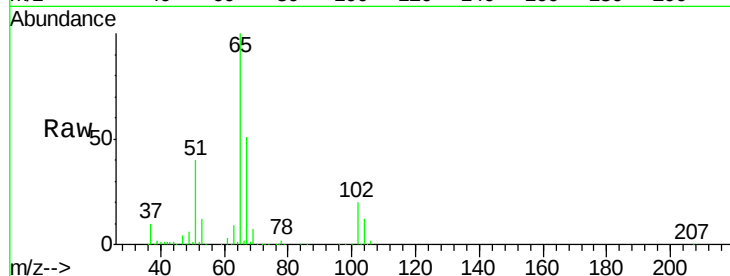
67 49.7 0.0 104.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN063204.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063204.D (-1850) (-)

7.99

120000

100000

80000

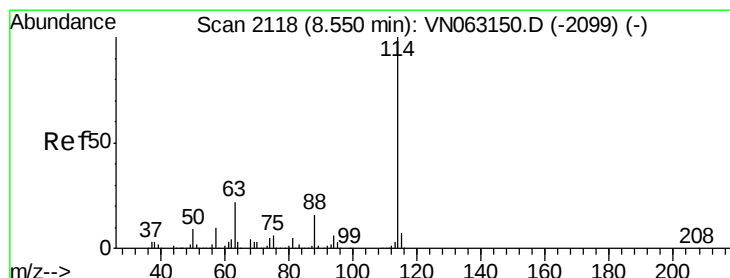
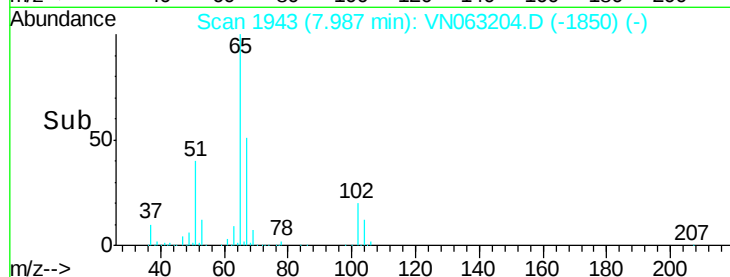
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063204.D

Acq: 2 Sep 2020 19:04

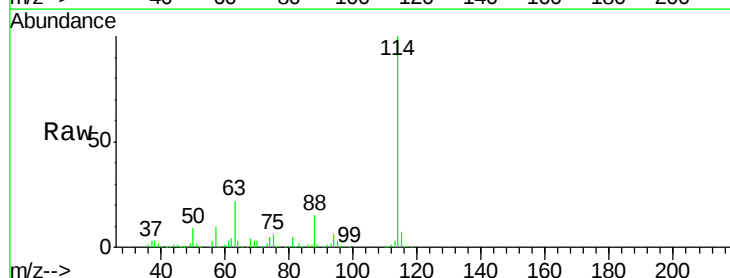
Tgt Ion: 114 Resp: 609127

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.0

88 15.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN063204.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063204.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063204.D (-2025) (-)

8.55

400000

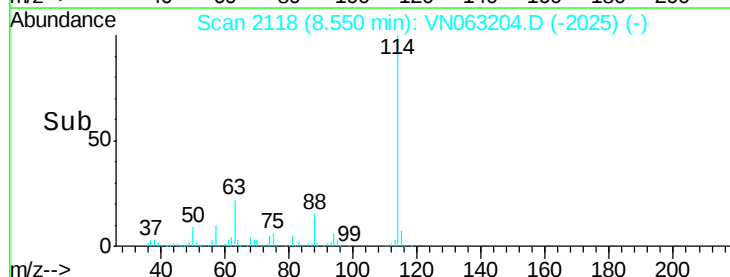
300000

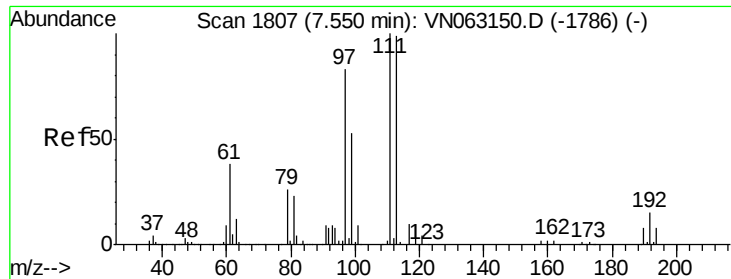
200000

100000

0

Time-->





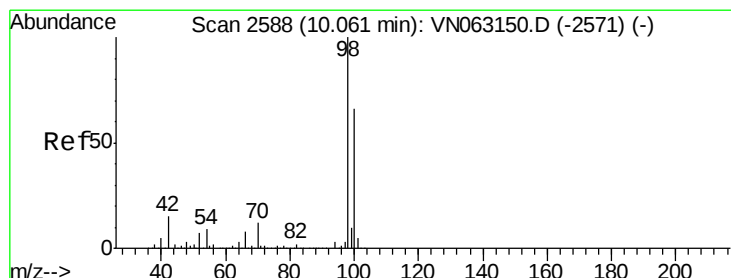
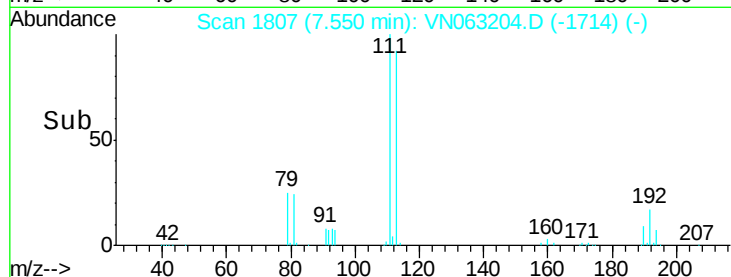
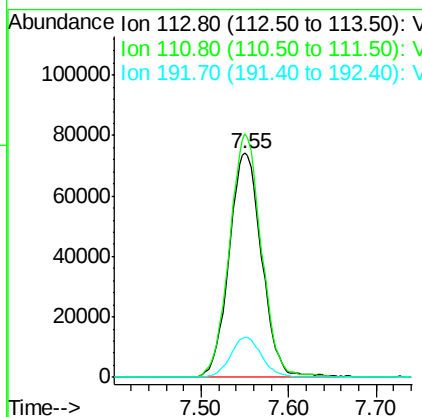
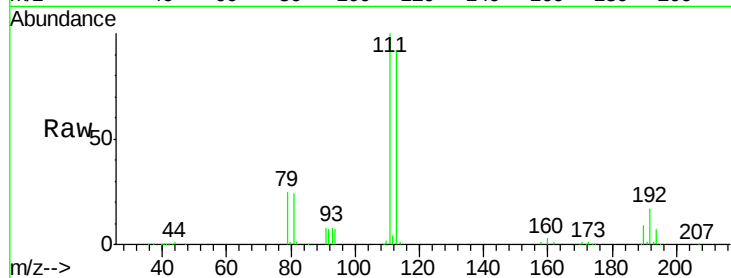
#35
Dibromofluoromethane
Concen: 49.097 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Instrument :
MSVOA_N
ClientSampleId :
87-88-89-07-10

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191864		
111	105.7	80.7	121.1	
192	17.1	12.6	19.0	

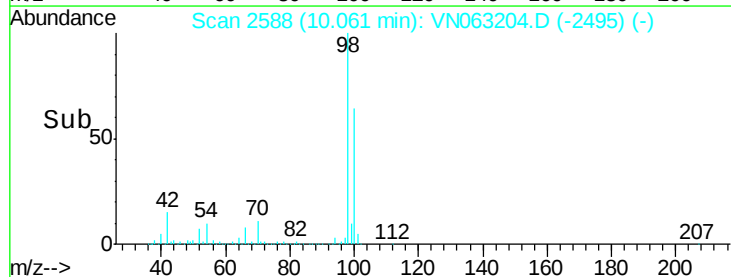
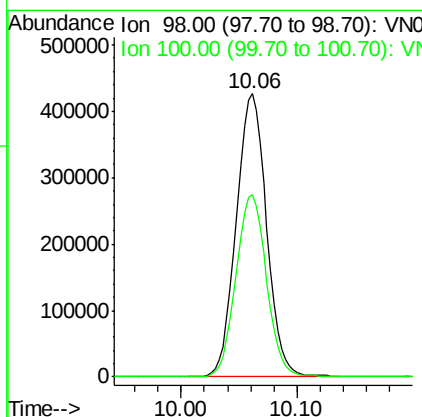
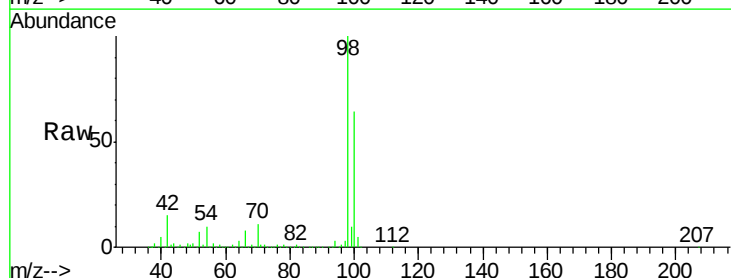
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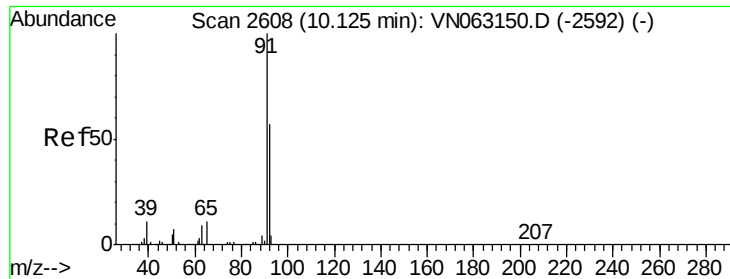
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#50
Toluene-d8
Concen: 51.432 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	773609		
100	64.9	52.0	78.0	





#52

Toluene

Concen: 1.971 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063204.D

Acq: 2 Sep 2020 19:04

Instrument :

MSVOA_N

ClientSampleId :

87-88-89-07-10

Tot Ion: 92 Resp: 21124

Ion Ratio Lower Upper

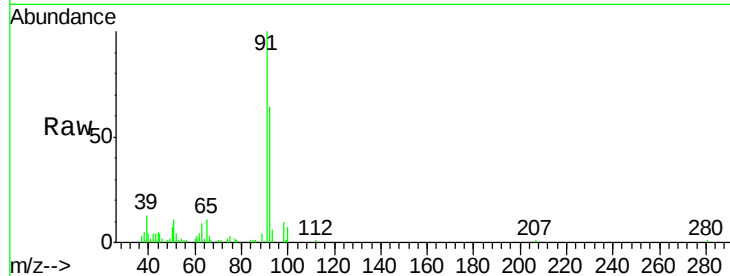
92 100

91 169.0 141.2 211.8

Manual Integrations
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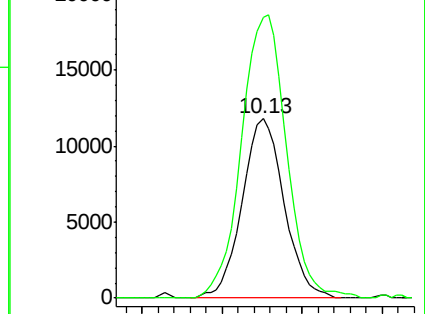
MMDadoda

9/3/2020 9:29:13 AM

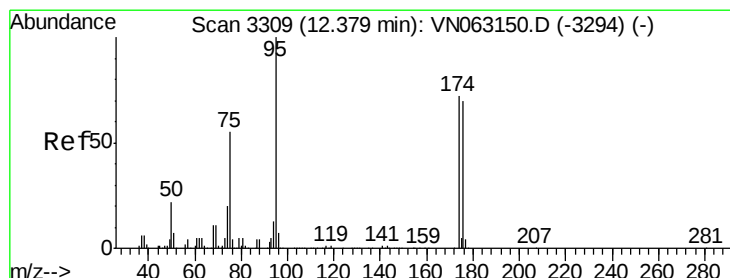
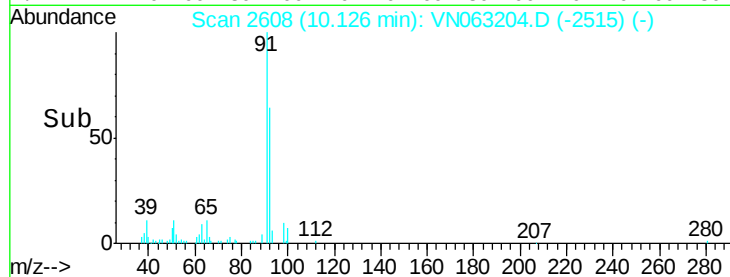


Abundance Ion 92.00 (91.70 to 92.70): VN063204.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN063204.D (-2515) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 50.600 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063204.D

Acq: 2 Sep 2020 19:04

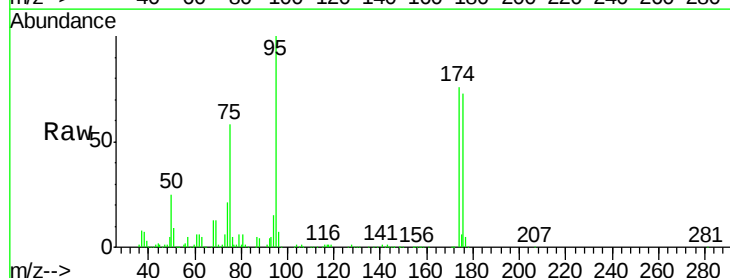
Tgt Ion: 95 Resp: 266235

Ion Ratio Lower Upper

95 100

174 75.2 0.0 143.8

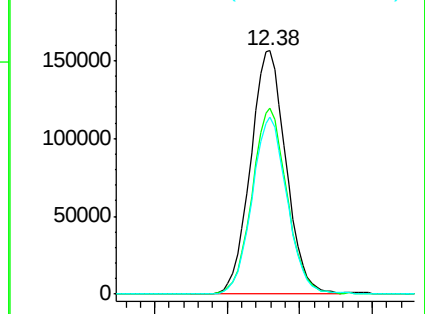
176 71.9 0.0 138.4



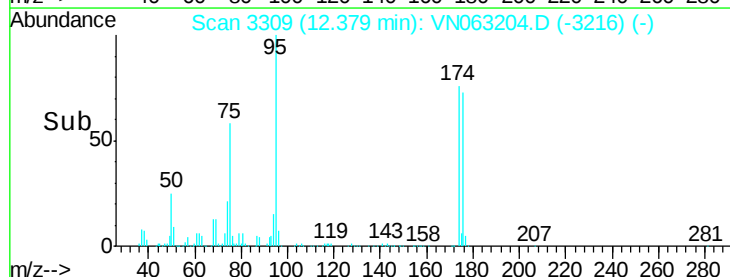
Abundance Ion 94.90 (94.60 to 95.60): VN063204.D (-3216) (-)

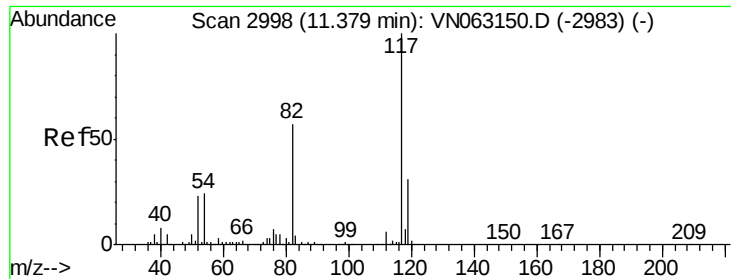
Ion 173.80 (173.50 to 174.50): VN063204.D (-3216) (-)

Ion 175.80 (175.50 to 176.50): VN063204.D (-3216) (-)



Time-->





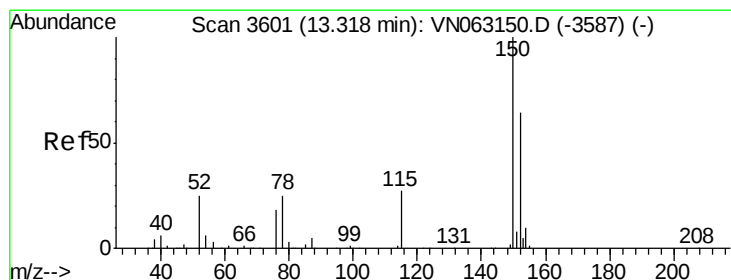
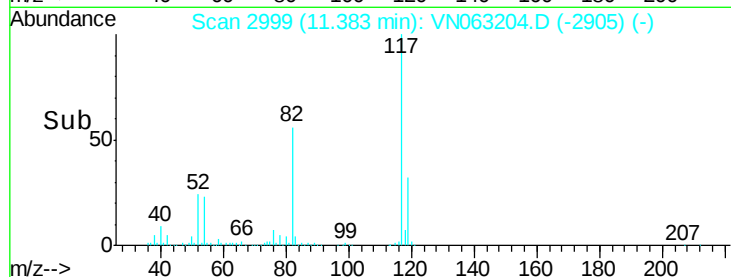
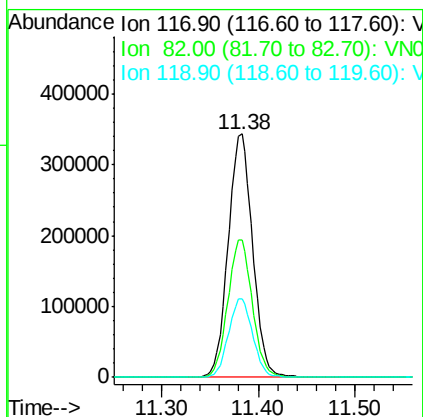
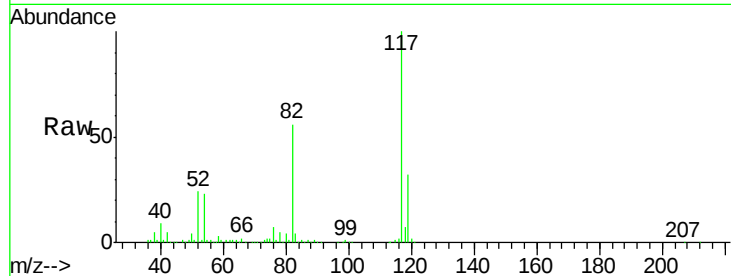
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Instrument :
MSVOA_N
ClientSampleId :
87-88-89-07-10

Tot Ion	Ratio	Resp	Lower	Upper
117	100	603360		
82	56.3	45.4	68.0	
119	32.4	24.6	37.0	

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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063204.D
Acq: 2 Sep 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	241885		
115	61.5	32.0	96.2	
150	158.1	0.0	353.0	

