

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063548.D
 Acq On : 22 Sep 2020 21:18
 Operator : JC/MD
 Sample : L4082-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200916

Manual Integrations
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 9/23/2020 1:06:29 PM

Quant Time: Sep 23 05:22:06 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	217070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	401677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	408517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169346	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	181083	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.55	113	130663	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	10.06	98	514483	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.38	95	206472	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
Target Compounds						
3) Chloromethane	2.04	50	2113	0.649	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10688	4.419	ug/l #	76
12) 1,1-Dichloroethene	3.70	96	2643	1.079	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	7083m	0.776	ug/l	
27) cis-1,2-Dichloroethene	6.78	96	14285	4.650	ug/l	89
30) Chloroform	7.33	83	8739	1.614	ug/l	91
44) Trichloroethene	8.80	130	679391	229.300	ug/l	99
49) 1,4-Dioxane	9.17	88	1365	25.779	ug/l #	36
64) Tetrachloroethene	10.60	164	38886	13.979	ug/l	96

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

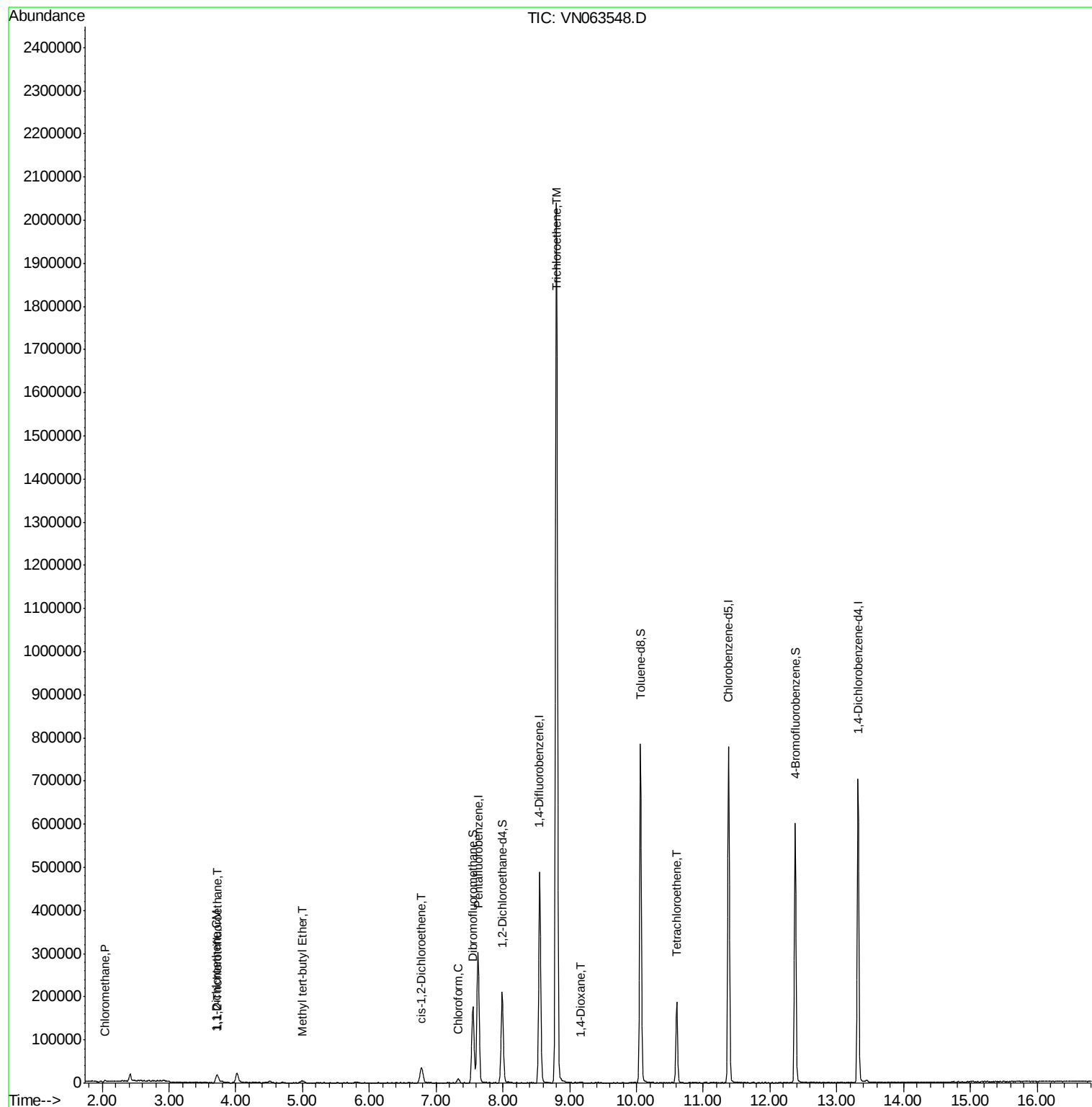
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
Data File : VN063548.D
Acq On : 22 Sep 2020 21:18
Operator : JC/MD
Sample : L4082-15
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

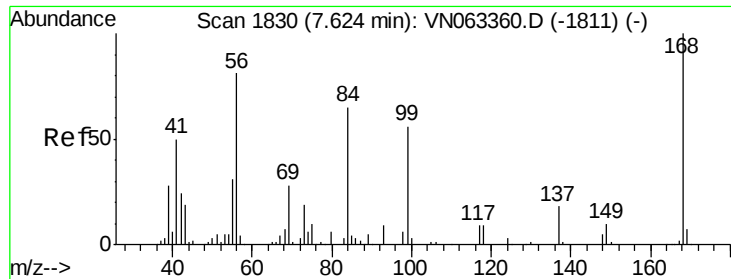
Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200916

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Quant Time: Sep 23 05:22:06 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: VN063548.D

Acq: 22 Sep 2020 21:18

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20200916

Tot Ion:168 Resp: 217070

Ion Ratio Lower Upper

168 100

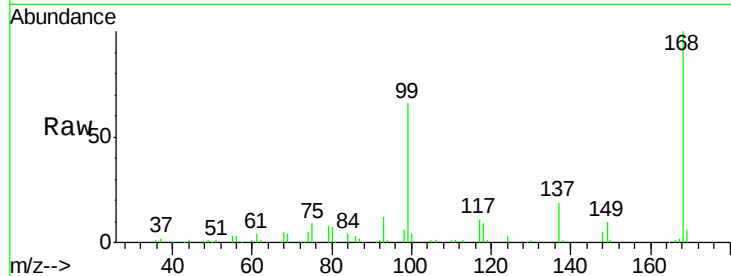
99 65.7 53.0 79.6

Manual Integrations

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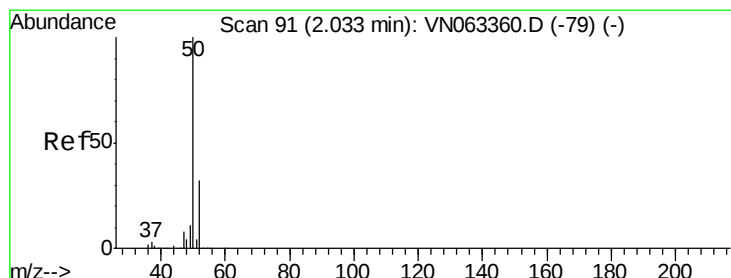
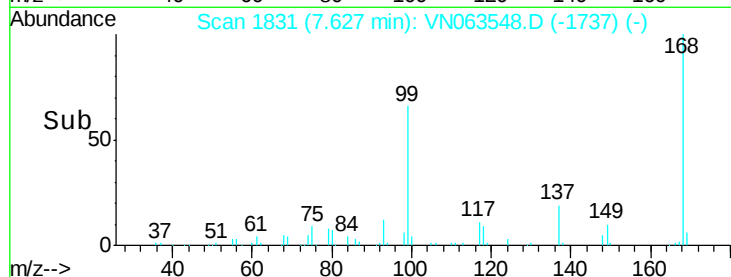
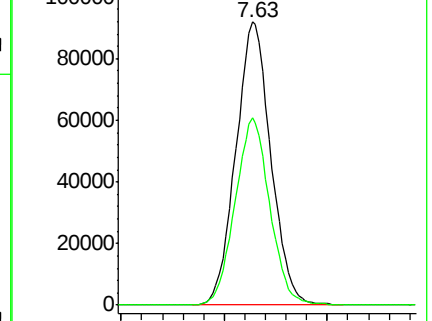
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.649 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063548.D

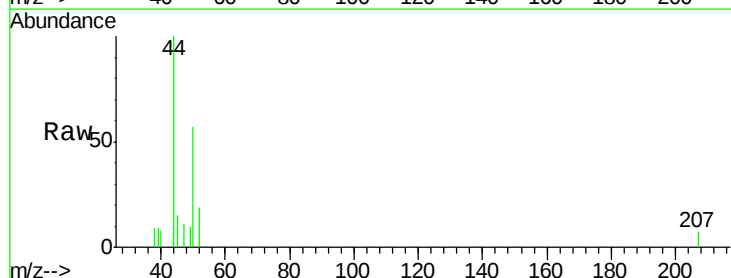
Acq: 22 Sep 2020 21:18

Tgt Ion: 50 Resp: 2113

Ion Ratio Lower Upper

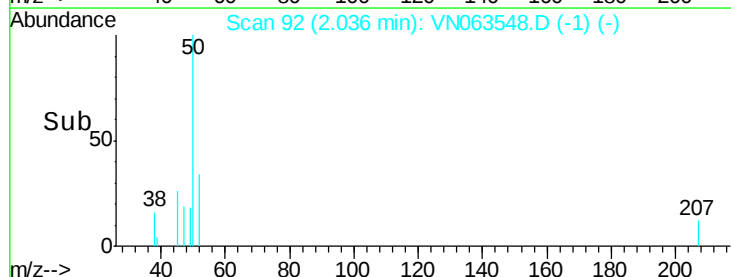
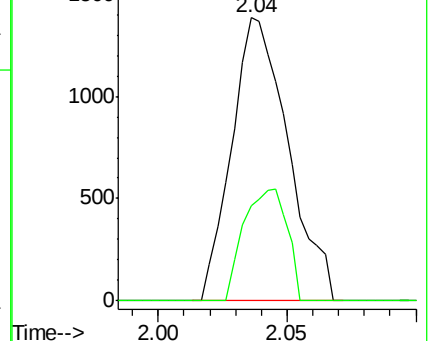
50 100

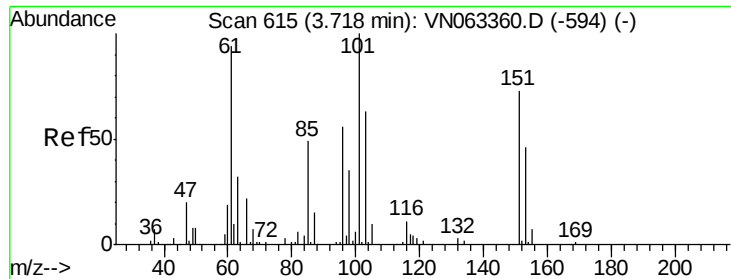
52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.419 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN063548.D

Acq: 22 Sep 2020 21:18

Instrument :

MSVOA_N

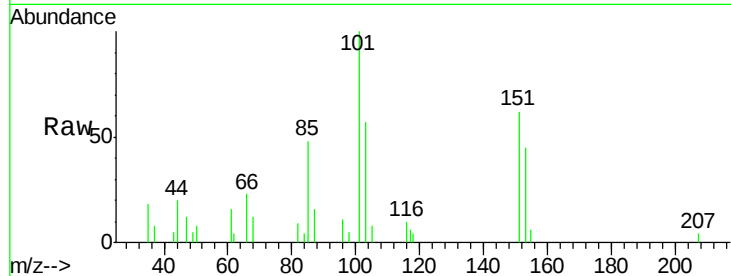
ClientSampleId :

RE131D1-20200916

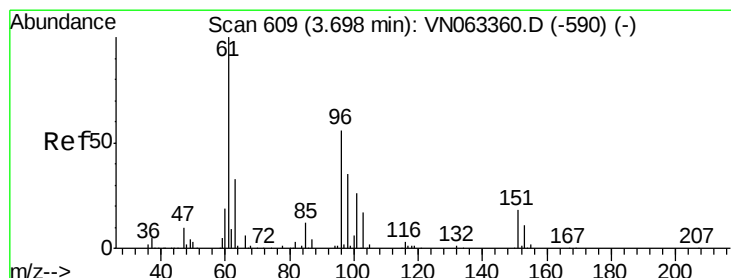
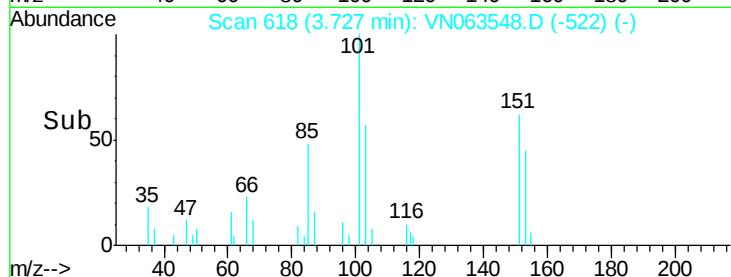
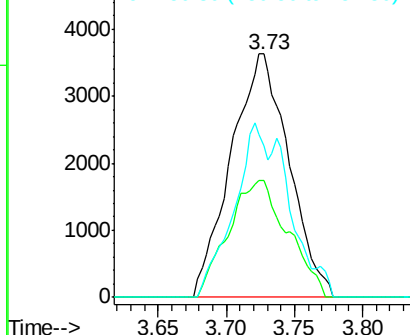
Tot Ion:	101	Resp:	10688
Ion Ratio	Lower	Upper	
101	100		
85	49.2	37.7	56.5
151	40.5	57.7	86.5#

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VNO
Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 1.079 ug/l

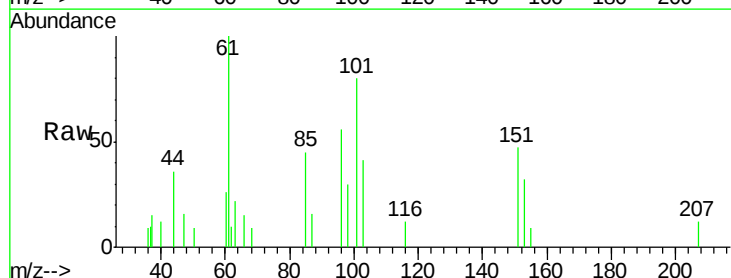
RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

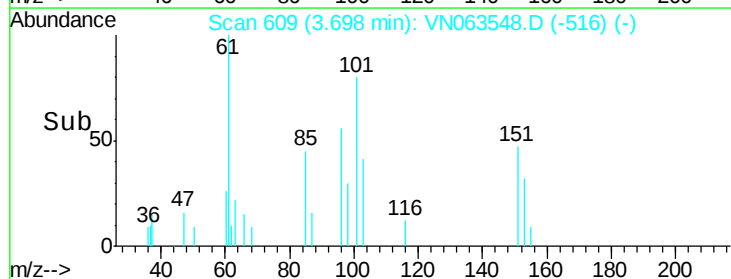
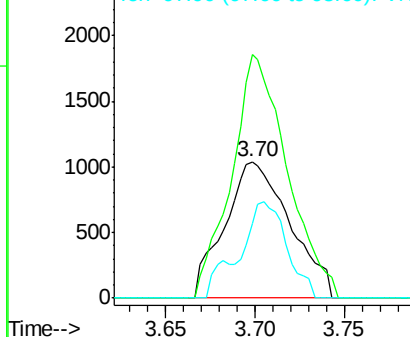
Lab File: VN063548.D

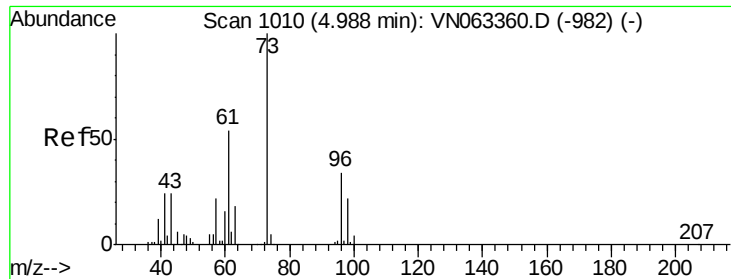
Acq: 22 Sep 2020 21:18

Tgt Ion:	96	Resp:	2643
Ion Ratio	Lower	Upper	
96	100		
61	178.4	143.4	215.2
98	54.3	50.6	76.0



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#19

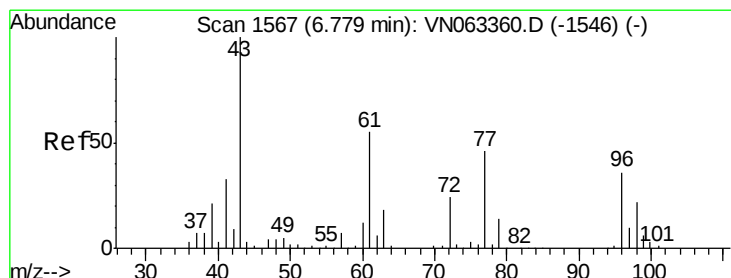
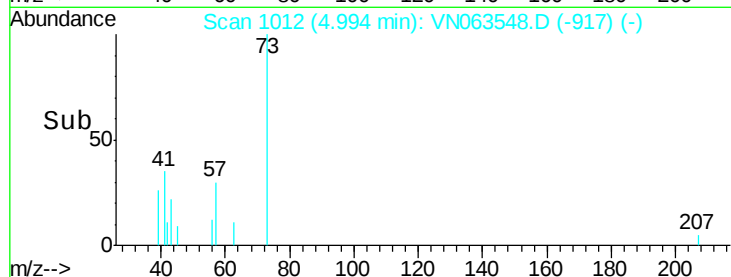
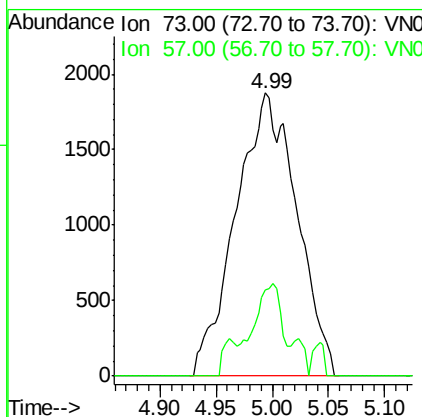
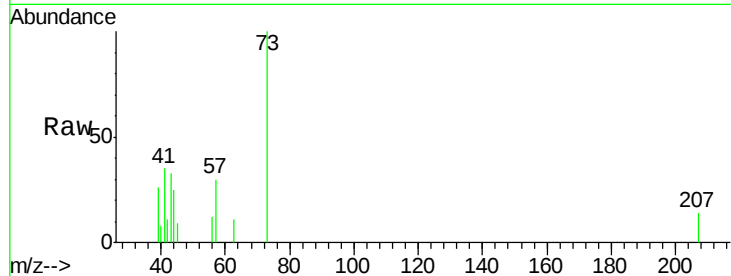
Methvl tert-butvl Ether
 Concen: 0.776 ug/l m
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN063548.D
 Acq: 22 Sep 2020 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200916

Tot Ion: 73 Resp: 7083
 Ion Ratio Lower Upper
 73 100
 57 30.4 17.9 26.9#

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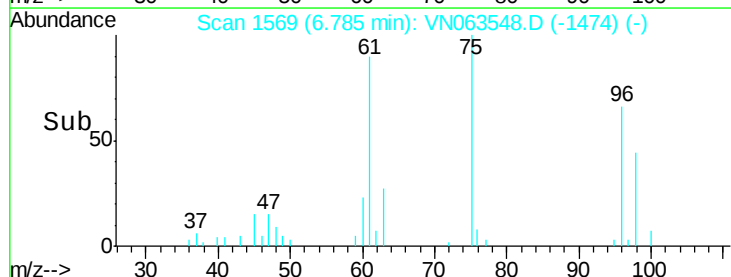
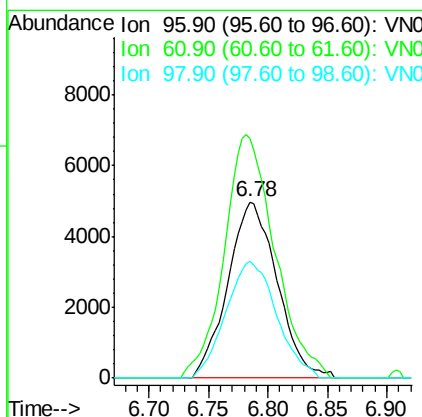
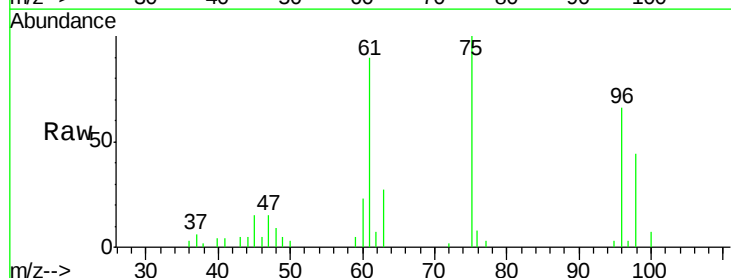
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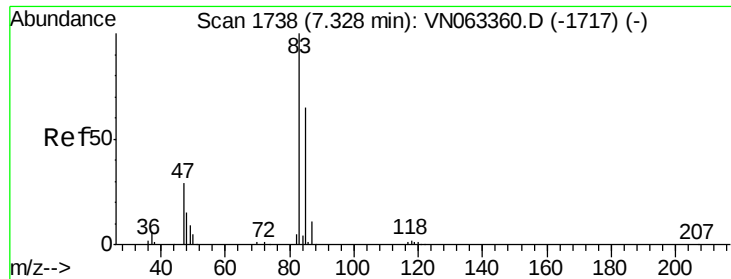


#27

cis-1,2-Dichloroethene
 Concen: 4.650 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063548.D
 Acq: 22 Sep 2020 21:18

Tgt Ion: 96 Resp: 14285
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 319.6
 98 68.2 0.0 127.8





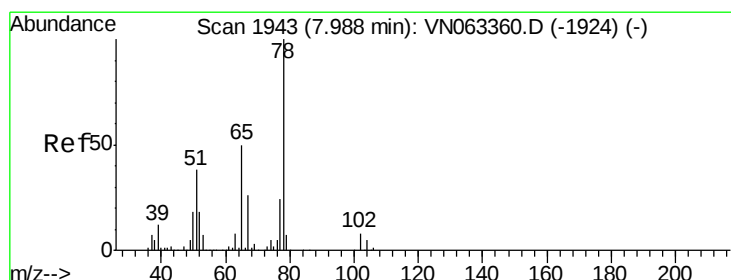
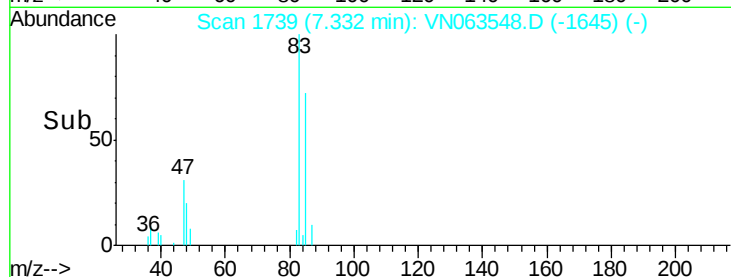
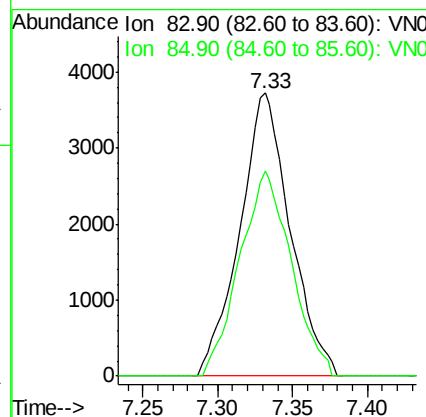
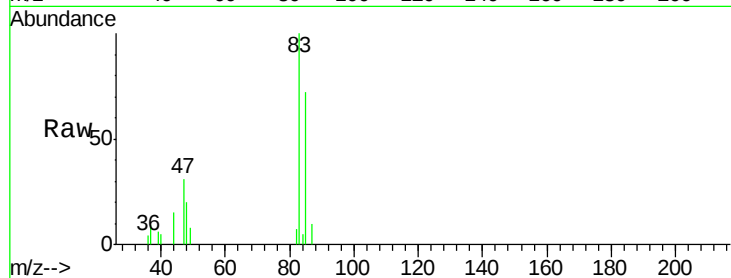
#30
Chloroform
Concen: 1.614 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200916

Tot Ion	83	Resp	8739
Ion Ratio	100	Lower	Upper
85	72.5	52.1	78.1

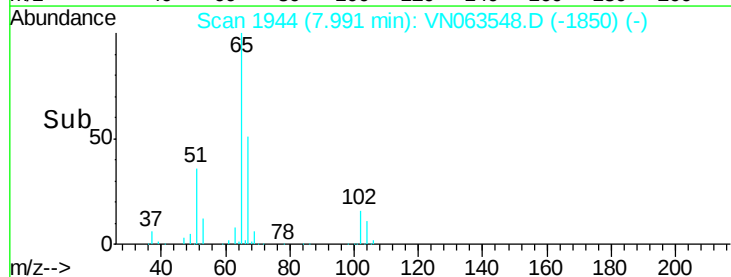
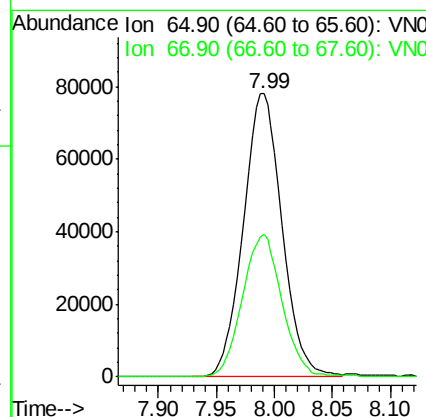
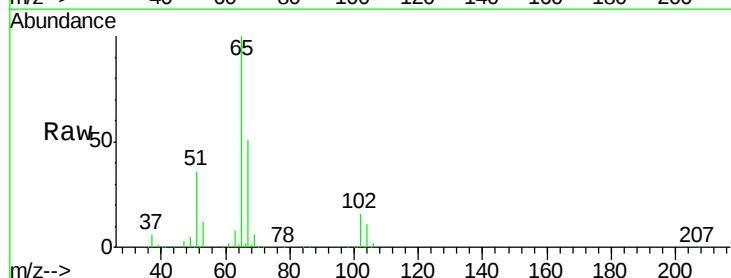
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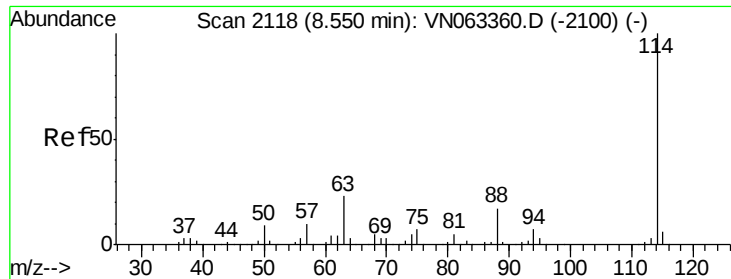
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#33
1,2-Dichloroethane-d4
Concen: 49.006 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Tgt Ion	65	Resp	181083
Ion Ratio	100	Lower	Upper
67	51.3	0.0	104.2





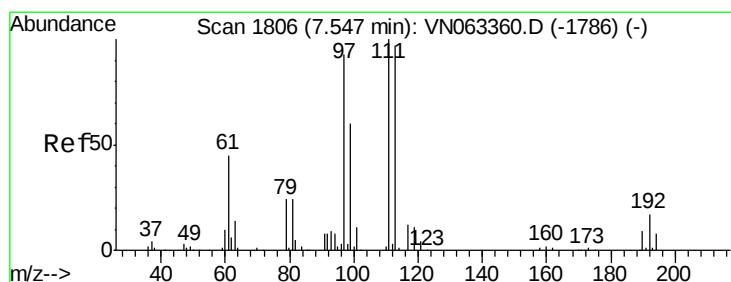
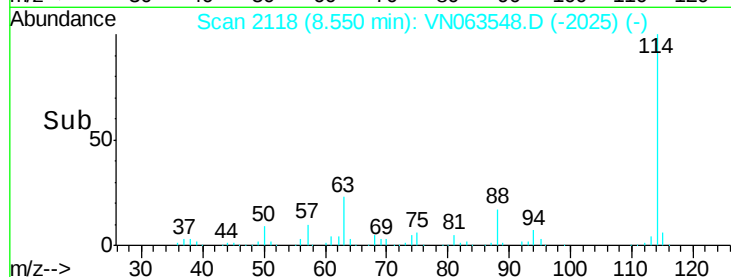
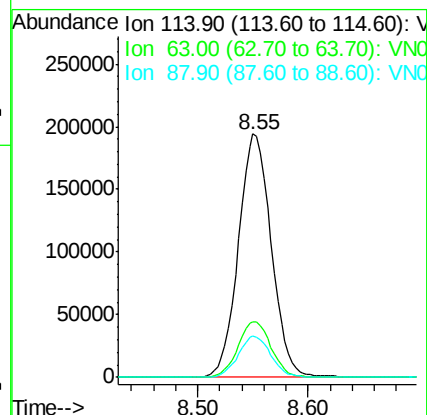
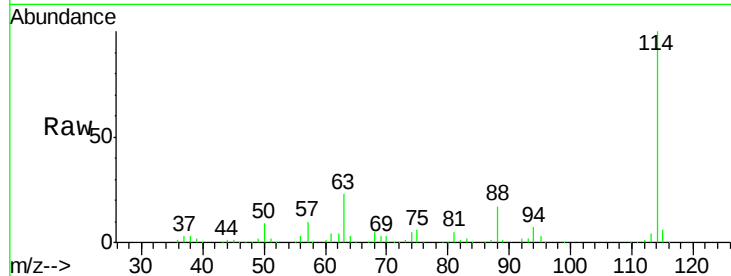
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063548.D
 Acq: 22 Sep 2020 21:18

Instrument :
 MSVOA_N
 ClientSampleId :
 RE131D1-20200916

Tot Ion	Ratio	Resp	Lower	Upper
114	100	401677		
63	23.0		0.0	46.4
88	17.1		0.0	33.2

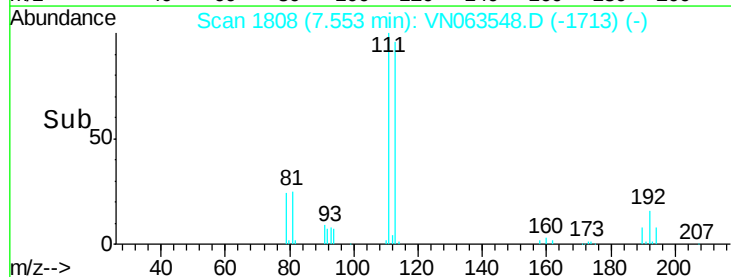
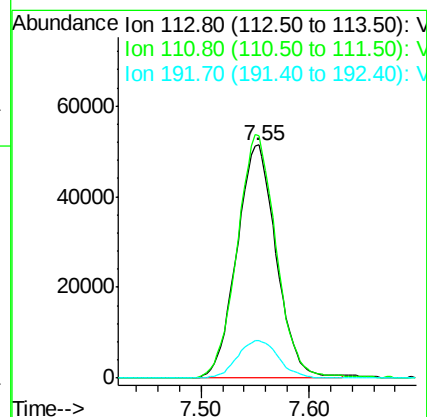
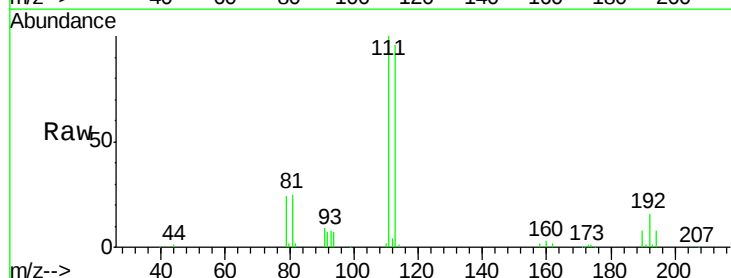
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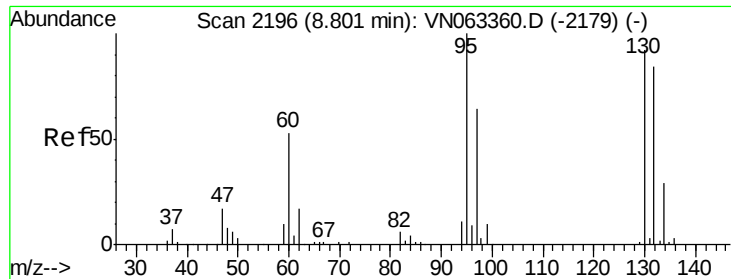
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#35
 Dibromofluoromethane
 Concen: 46.989 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063548.D
 Acq: 22 Sep 2020 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	130663		
111	103.9		82.9	124.3
192	16.8		13.9	20.9





#44

Trichloroethene

Concen: 229.300 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063548.D

Acq: 22 Sep 2020 21:18

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20200916

Tot Ion:130 Resp: 679391

Ion Ratio Lower Upper

130 100

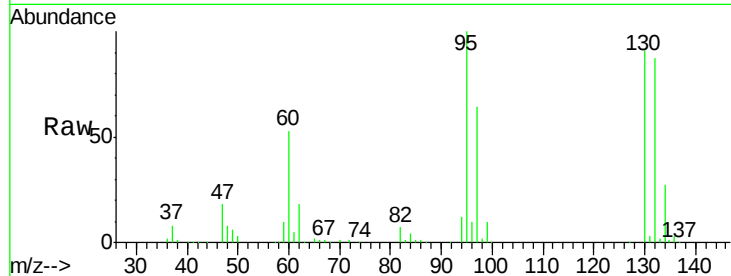
95 109.4 0.0 217.4

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

400000

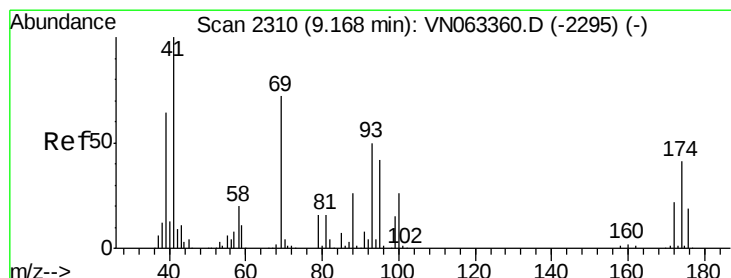
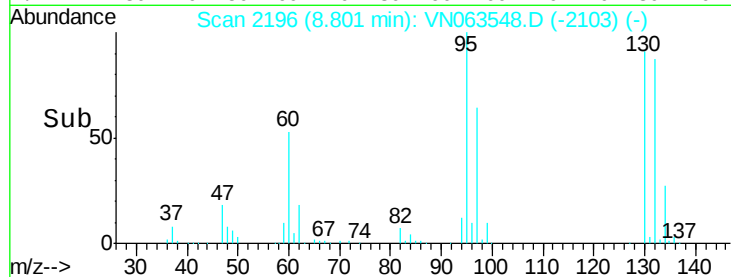
300000

200000

100000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#49

1,4-Dioxane

Concen: 25.779 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN063548.D

Acq: 22 Sep 2020 21:18

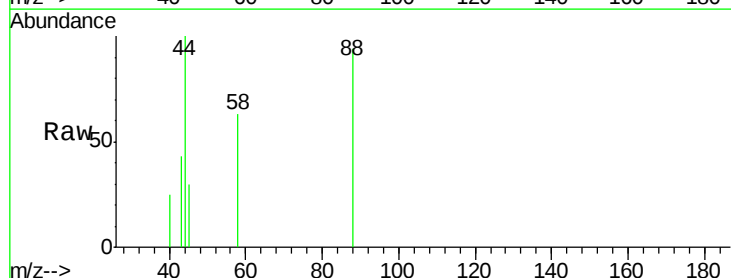
Tgt Ion: 88 Resp: 1365

Ion Ratio Lower Upper

88 100

43 28.7 32.6 49.0#

58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

9.17

800

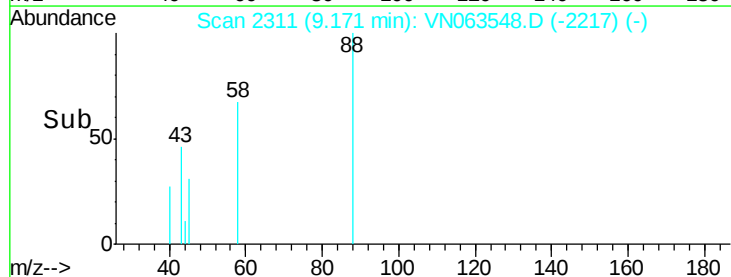
600

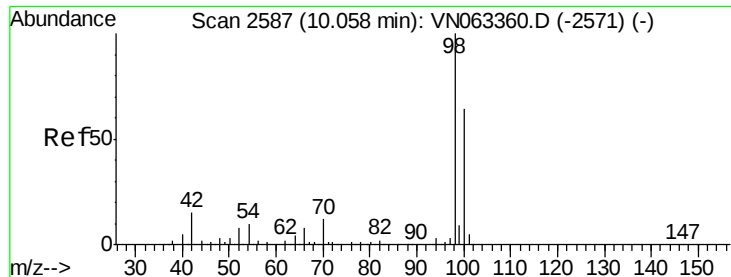
400

200

0

Time--> 9.15 9.20





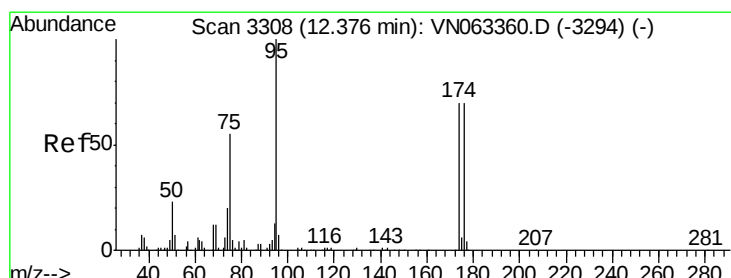
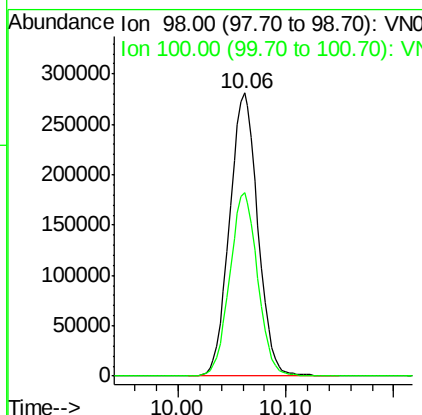
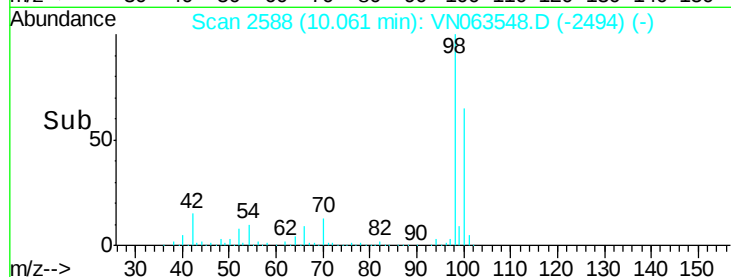
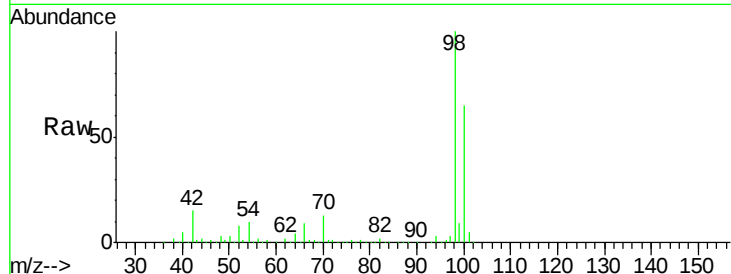
#50
Toluene-d8
Concen: 49.204 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200916

Tot Ion: 98 Resp: 514483
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1

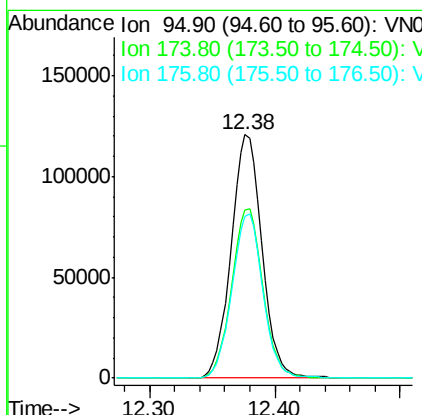
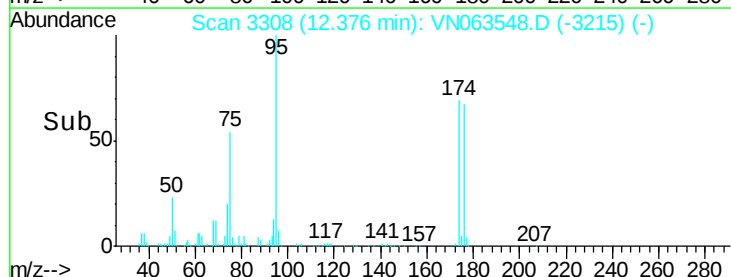
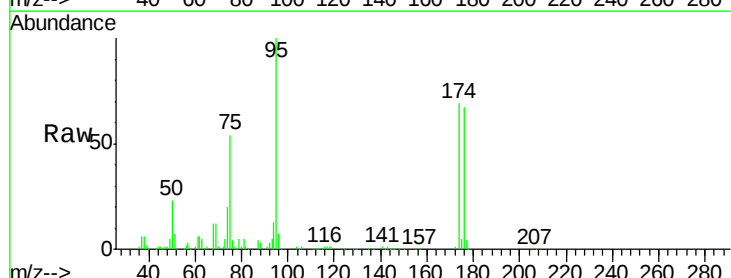
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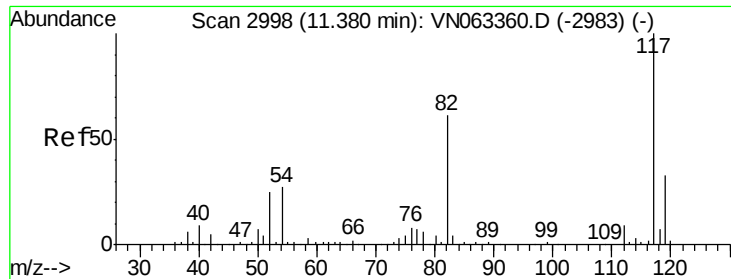
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#62
4-Bromofluorobenzene
Concen: 53.867 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Tgt Ion: 95 Resp: 206472
Ion Ratio Lower Upper
95 100
174 70.3 0.0 140.8
176 67.6 0.0 137.6





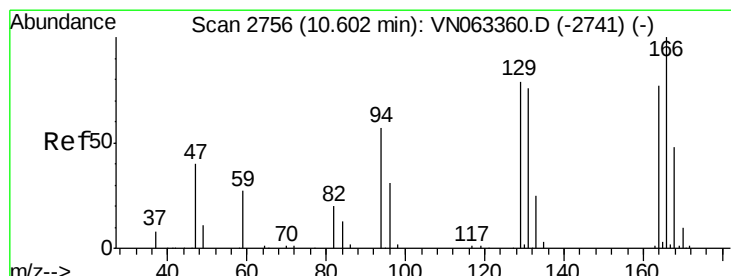
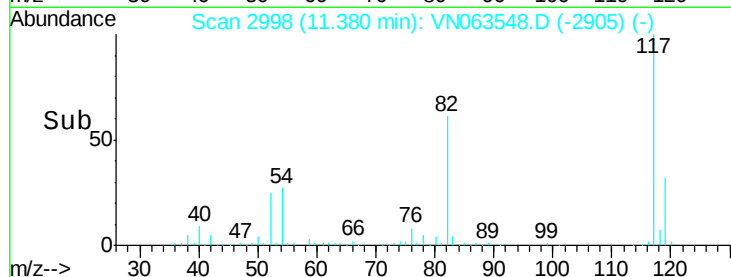
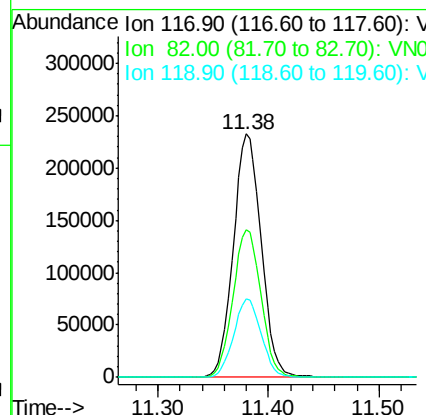
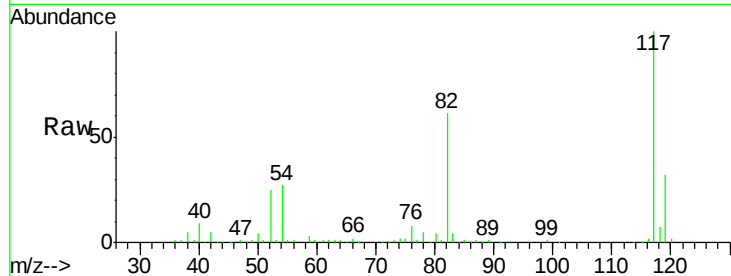
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Instrument :
MSVOA_N
ClientSampleId :
RE131D1-20200916

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	49.2	73.8
119	32.1	26.2	39.4

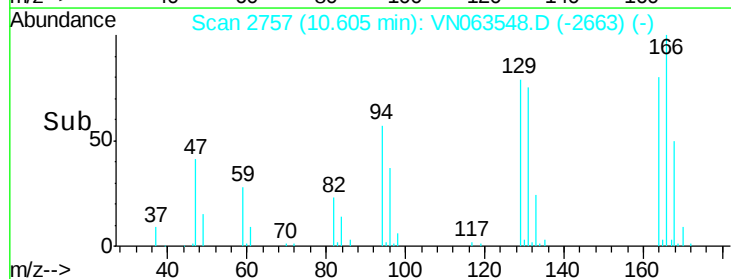
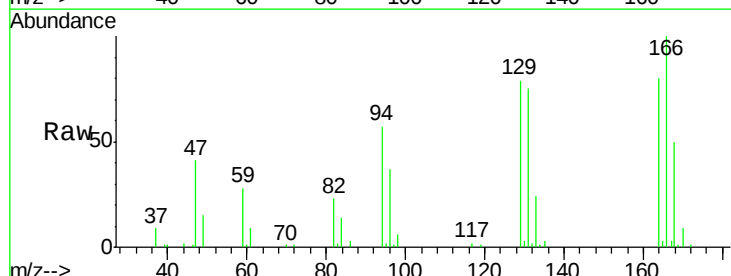
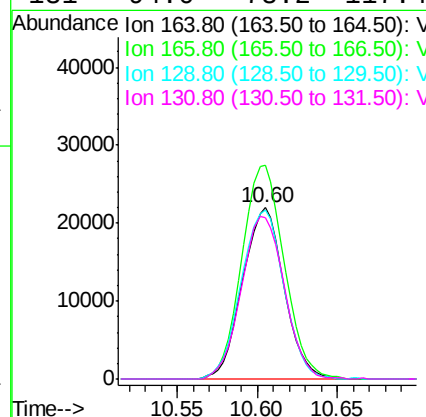
Manual Integrations
APPROVED

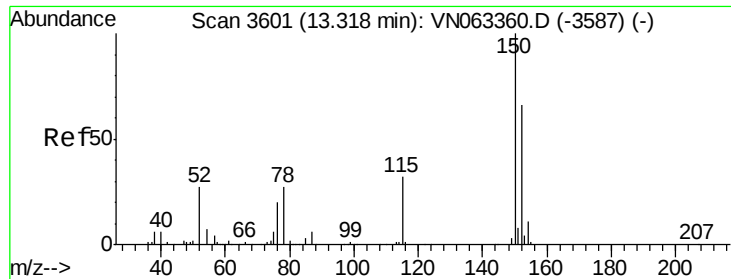
MMDadoda
9/23/2020 1:06:29 PM



#64
Tetrachloroethene
Concen: 13.979 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063548.D
Acq: 22 Sep 2020 21:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.4	155.0
129	98.5	81.8	122.6
131	94.0	78.2	117.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063548.D

Acq: 22 Sep 2020 21:18

Instrument :

MSVOA_N

ClientSampleId :

RE131D1-20200916

Tot Ion:152 Resp: 169346

Ion Ratio Lower Upper

152 100

115 64.7 32.2 96.6

150 159.0 0.0 343.4

Manual Integrations

APPROVED

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9/23/2020 1:06:29 PM

