

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064553.D
 Acq On : 11 Nov 2020 14:25
 Operator : JC/MD
 Sample : L4684-08DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500DL

Manual Integrations
 APPROVED

MMDadoda
 11/12/2020 9:12:34 AM

Quant Time: Nov 12 02:19:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	243694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	500393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	517170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184050	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	237221	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
35) Dibromofluoromethane	7.55	113	174878	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.06	98	642943	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.38	95	238241	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.75	59	4279m	9.141	ug/l	
12) 1,1-Dichloroethene	3.69	96	19417	7.450	ug/l	99
20) Methylene Chloride	4.51	84	3296	1.027	ug/l #	82
22) Diisopropyl ether	5.91	45	3449m	0.319	ug/l	
24) 1,1-Dichloroethane	5.80	63	60489	10.171	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	7332	1.322	ug/l	96
40) Benzene	8.01	78	587662	37.831	ug/l	98
42) 1,2-Dichloroethane	8.09	62	49184	7.846	ug/l	90
44) Trichloroethene	8.80	130	843	0.215	ug/l	23
49) 1,4-Dioxane	9.16	88	1217m	21.374	ug/l	
64) Tetrachloroethene	10.60	164	980	0.246	ug/l #	86
69) o-Xylene	11.92	106	14027	1.985	ug/l	99
73) Isopropylbenzene	12.23	105	11584	0.792	ug/l	100

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

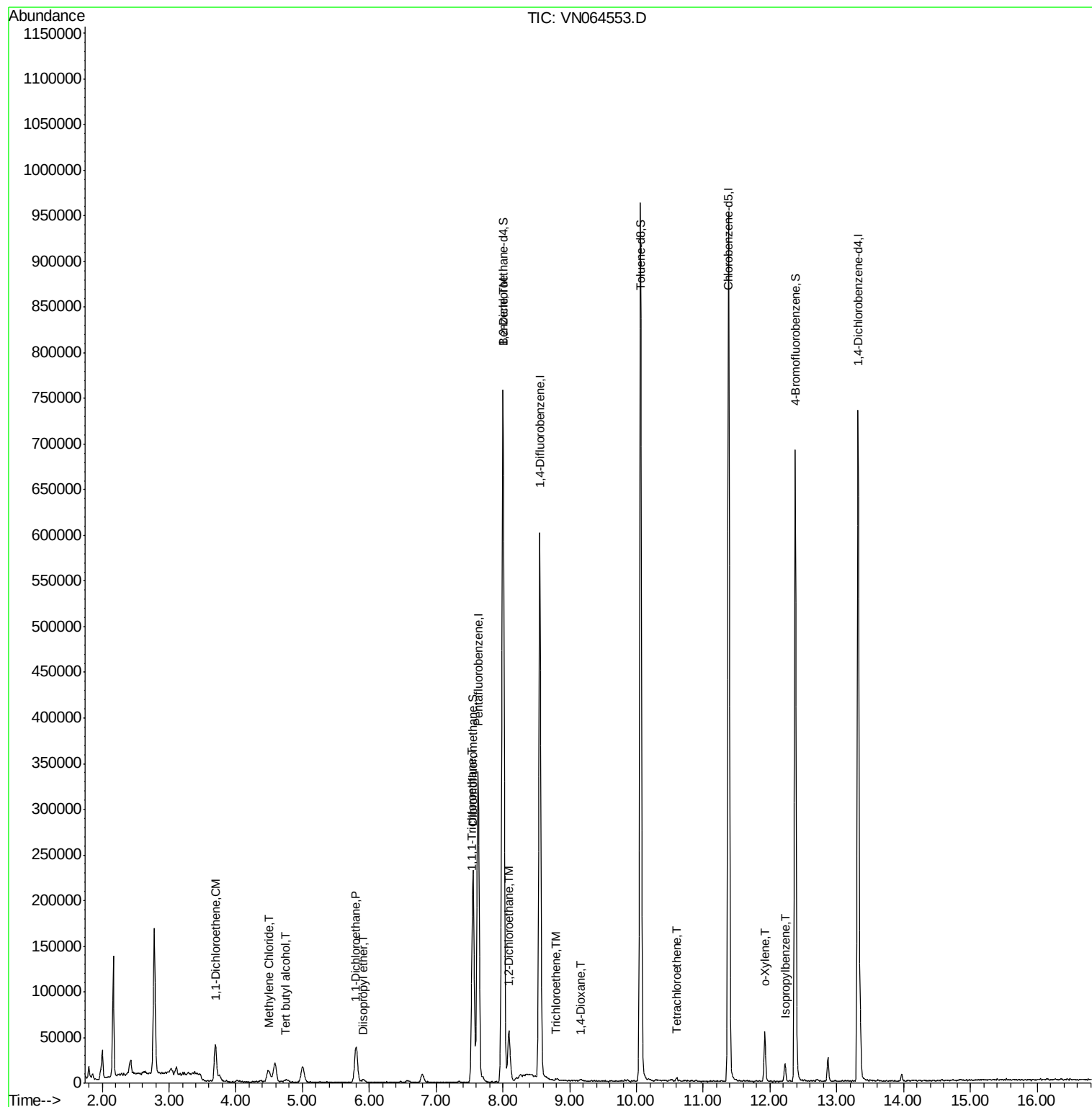
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111120\
Data File : VN064553.D
Acq On : 11 Nov 2020 14:25
Operator : JC/MD
Sample : L4684-08DL 4X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

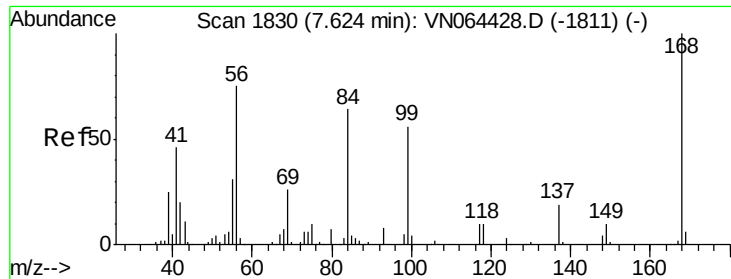
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

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11/12/2020 9:12:34 AM

Quant Time: Nov 12 02:19:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064553.D

Acq: 11 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500DL

Tot Ion:168 Resp: 243694

Ion Ratio Lower Upper

168 100

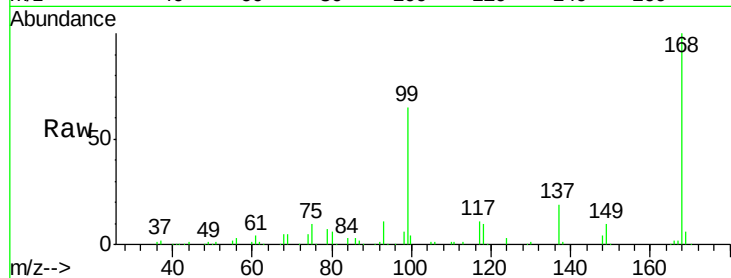
99 65.0 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

120000

100000

80000

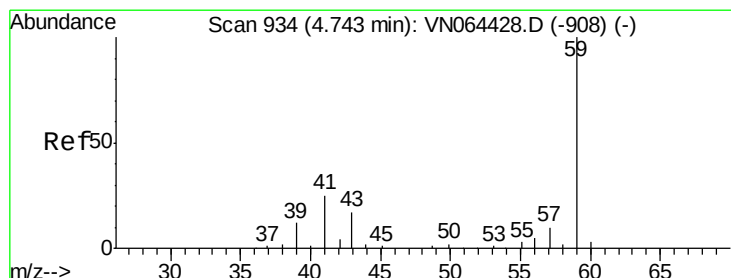
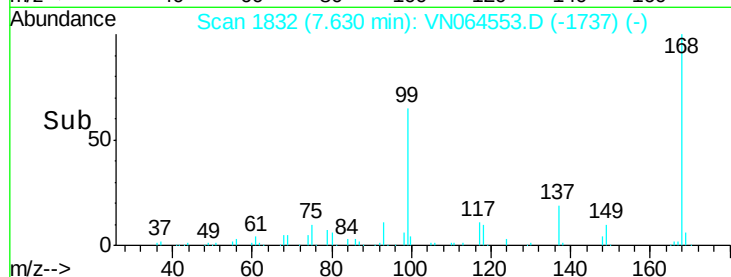
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.141 ug/l m

RT: 4.75 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN064553.D

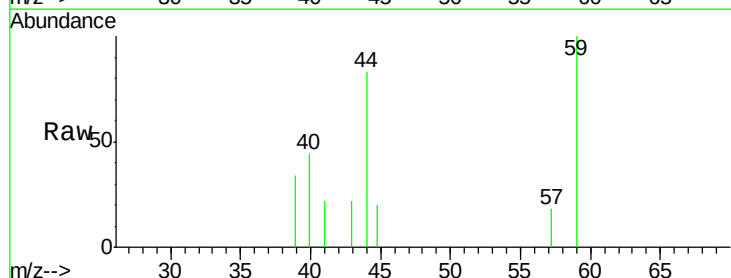
Acq: 11 Nov 2020 14:25

Tgt Ion: 59 Resp: 4279

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.75

1200

1000

800

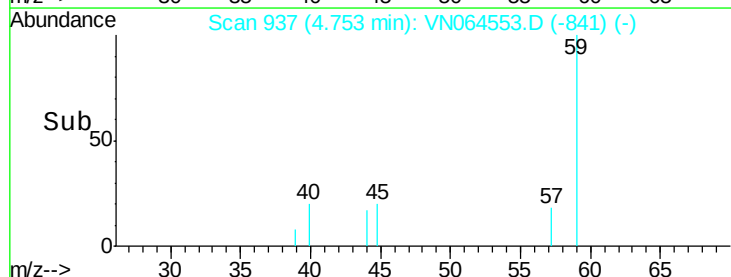
600

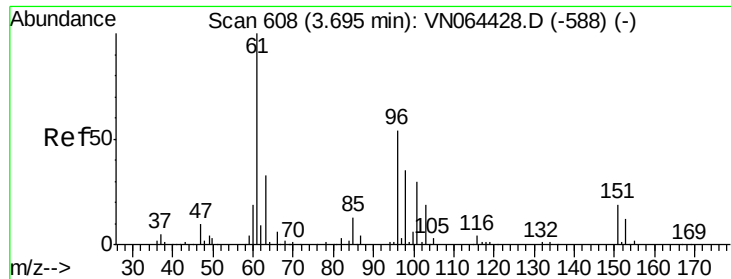
400

200

0

Time-->





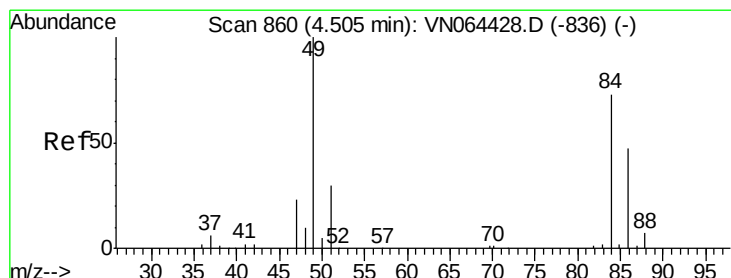
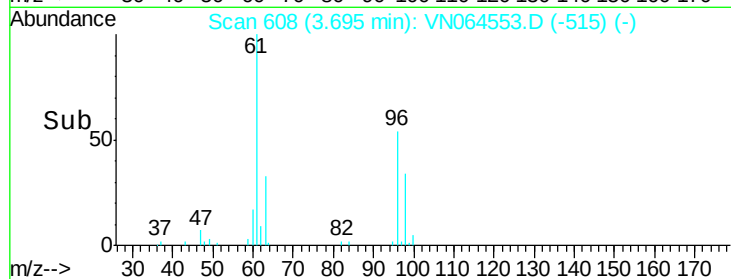
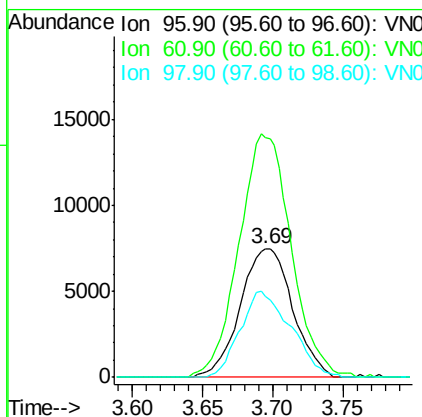
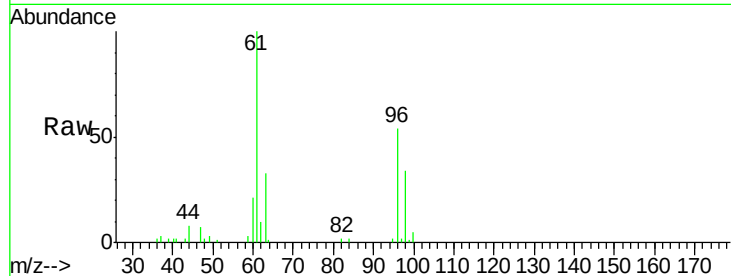
#12
 1,1-Dichloroethene
 Concen: 7.450 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064553.D
 Acq: 11 Nov 2020 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.9	149.5	224.3
98	62.9	52.4	78.6

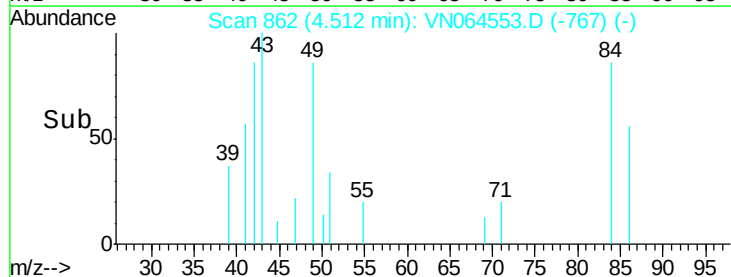
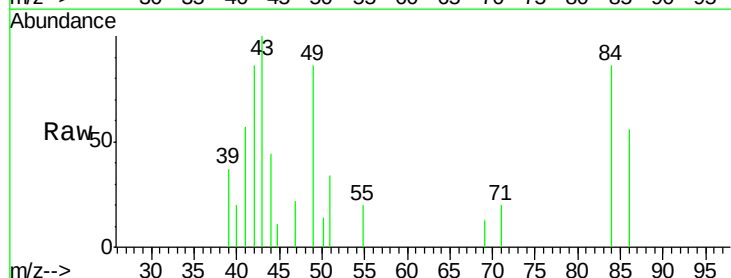
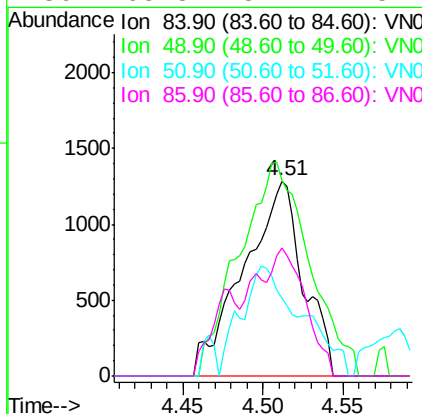
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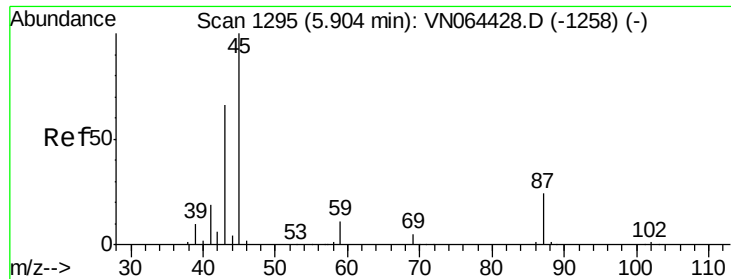
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#20
 Methylene Chloride
 Concen: 1.027 ug/l
 RT: 4.51 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VN064553.D
 Acq: 11 Nov 2020 14:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	100.4	110.1	165.1#
51	39.8	33.6	50.4
86	65.8	52.1	78.1





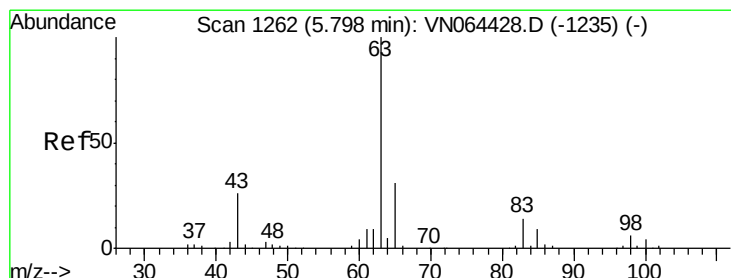
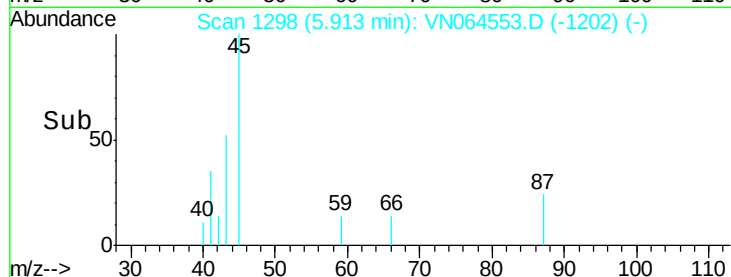
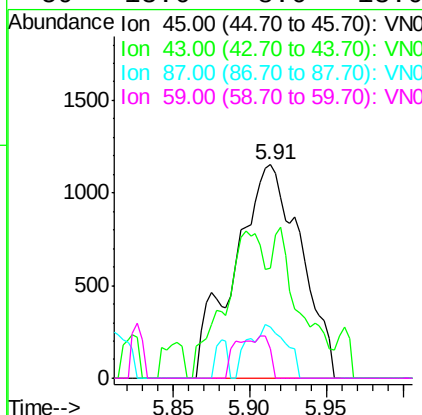
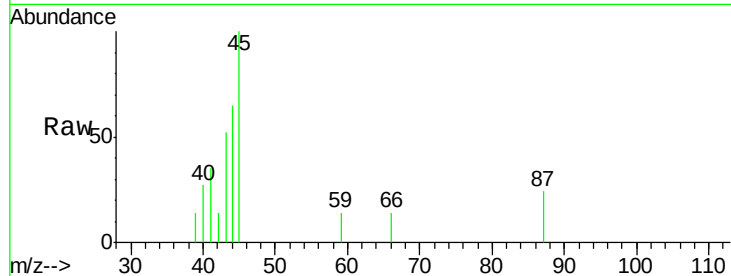
#22
Diisopropyl ether
Concen: 0.319 ug/l m
RT: 5.91 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

Tot Ion	Ratio	Lower	Upper
45	100		
43	51.6	53.2	79.8#
87	24.2	19.9	29.9
59	13.6	8.6	13.0#

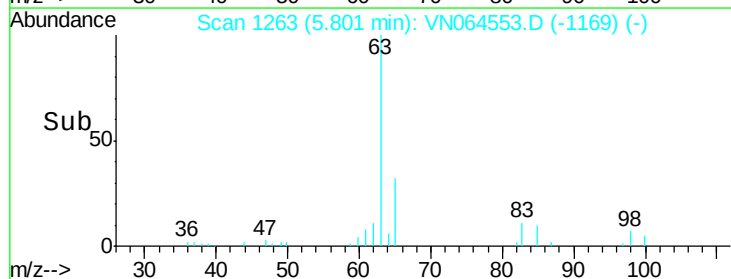
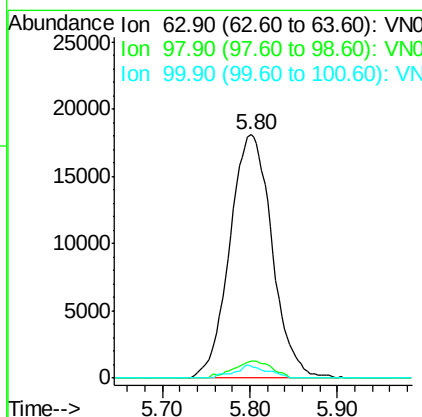
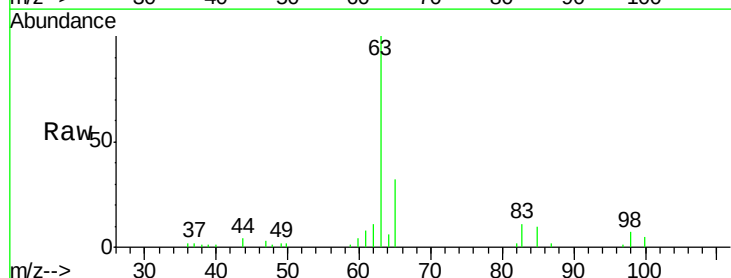
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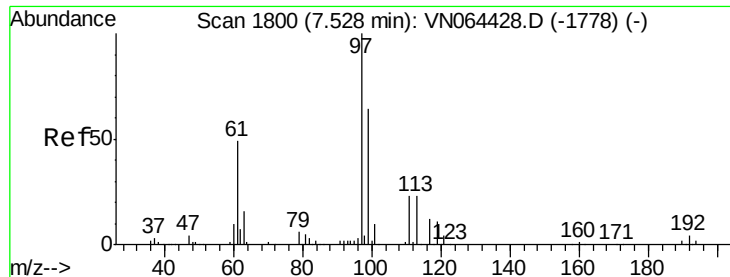
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#24
1,1-Dichloroethane
Concen: 10.171 ug/l
RT: 5.80 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.0	9.2
100	5.1	1.8	5.3





#32

1,1,1-Trichloroethane

Concen: 1.322 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064553.D

Acq: 11 Nov 2020 14:25

Instrument :

MSVOA_N

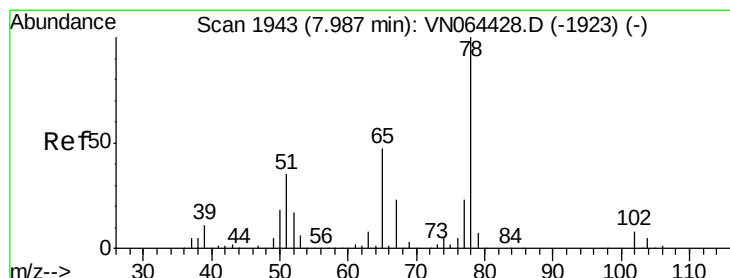
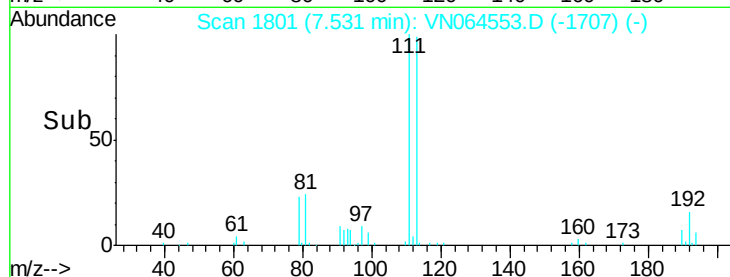
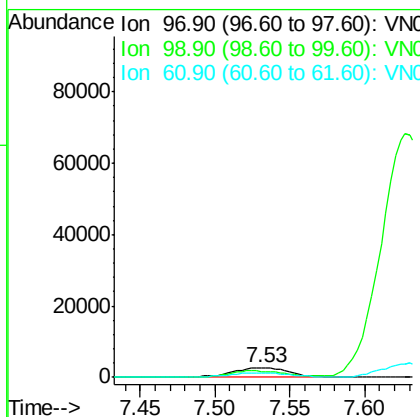
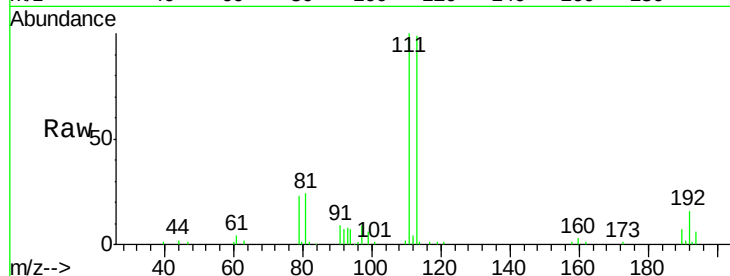
ClientSampleId :

BP-VPB178-GW-498-500DL

Tot Ion:	97	Resp:	7332
Ion	Ratio	Lower	Upper
97	100		
99	68.5	51.3	76.9
61	48.3	39.1	58.7

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#33

1,2-Dichloroethane-d4

Concen: 55.885 ug/l

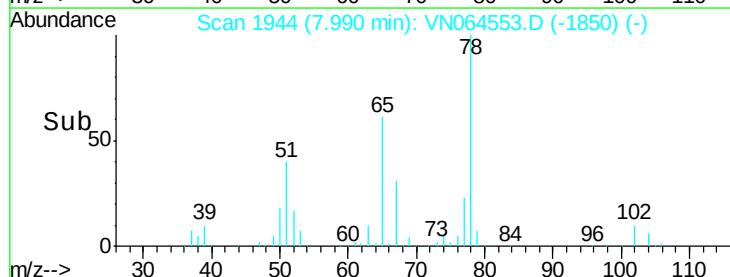
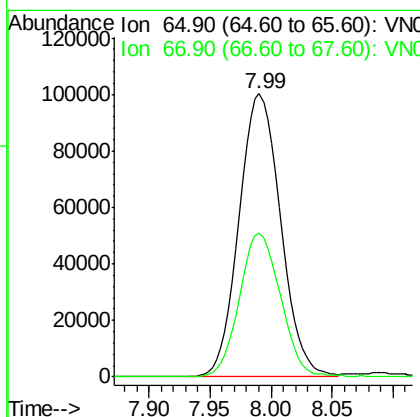
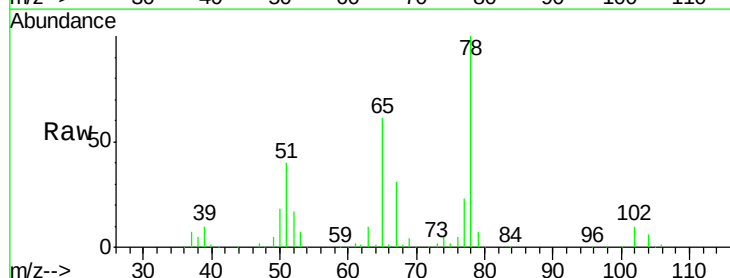
RT: 7.99 min Scan# 1944

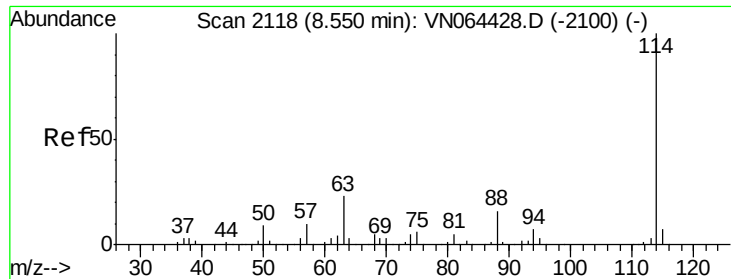
Delta R.T. 0.00 min

Lab File: VN064553.D

Acq: 11 Nov 2020 14:25

Tgt Ion:	65	Resp:	237221
Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	101.6





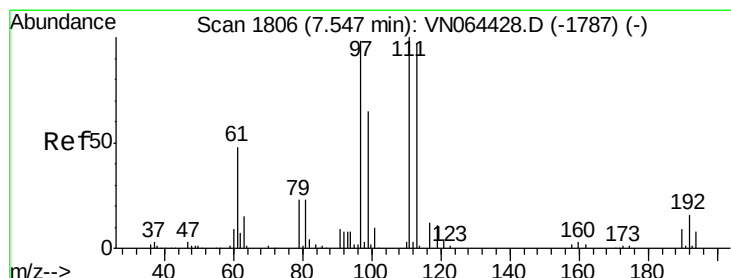
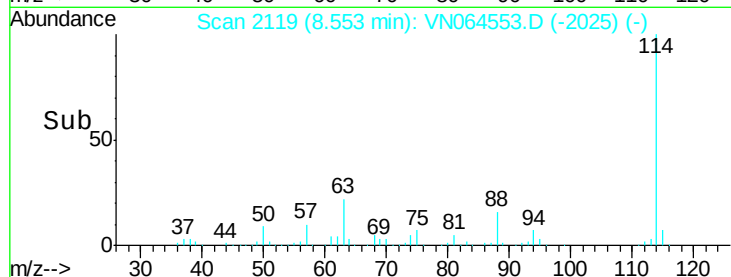
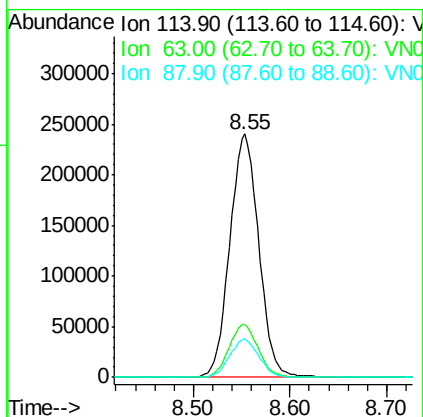
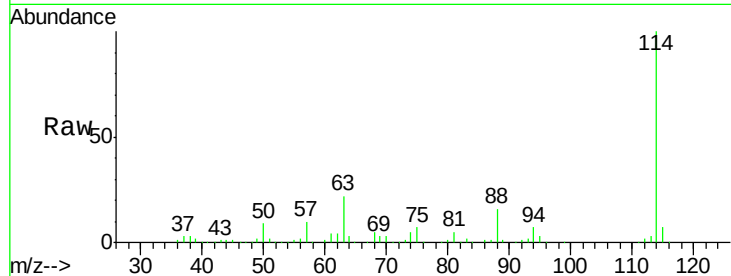
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.9	0.0	45.6
88	15.9	0.0	32.8

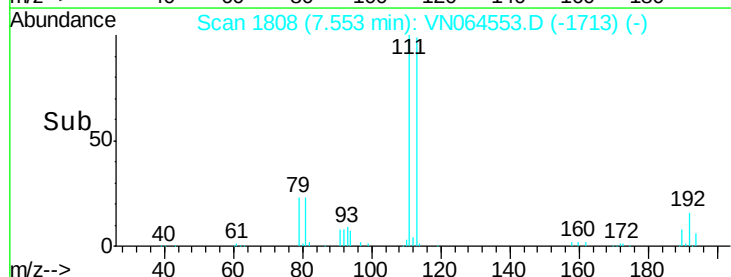
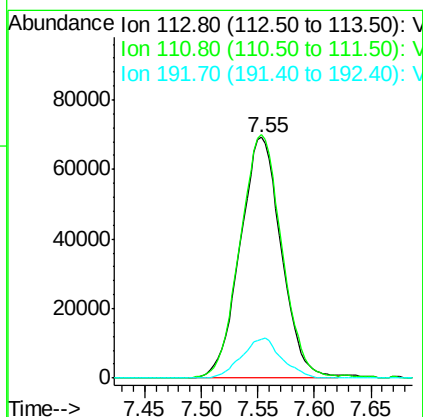
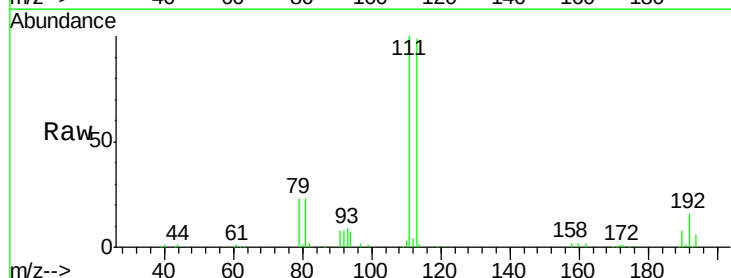
Manual Integrations
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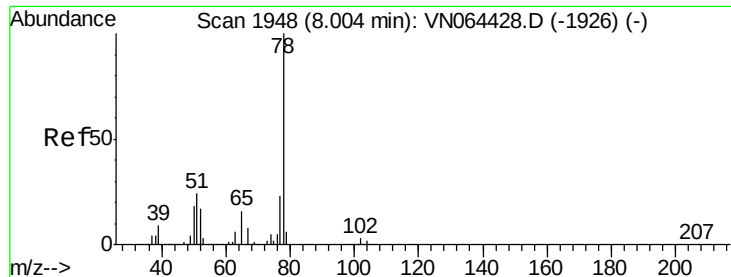
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#35
Dibromofluoromethane
Concen: 51.329 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.8	81.1	121.7
192	16.2	12.8	19.2





#40

Benzene

Concen: 37.831 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN064553.D

Acq: 11 Nov 2020 14:25

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500DL

Tot Ion: 78 Resp: 587662

Ion Ratio Lower Upper

78 100

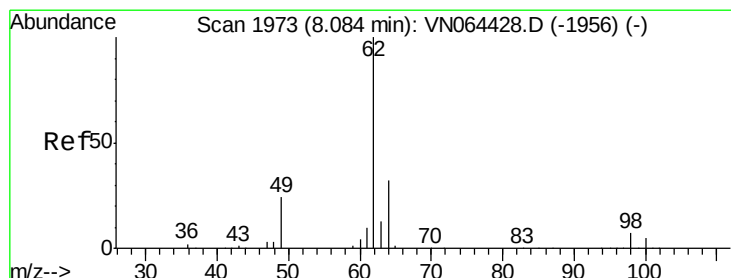
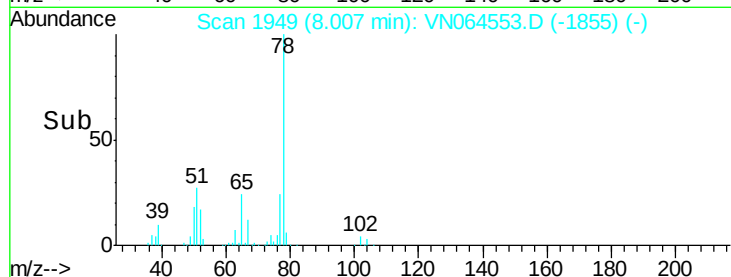
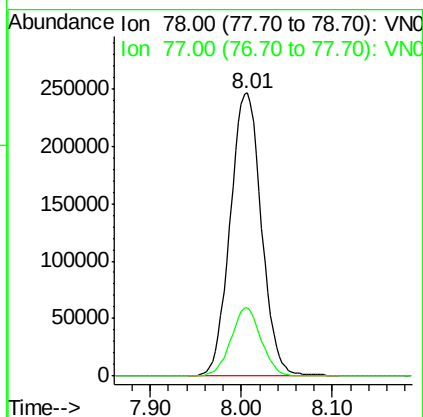
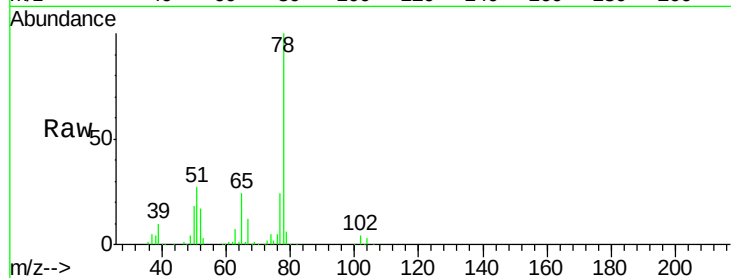
77 24.3 18.7 28.1

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 7.846 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN064553.D

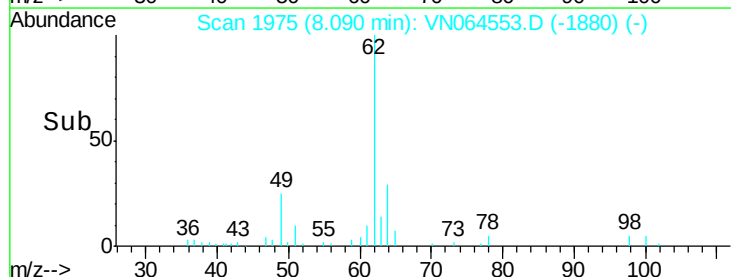
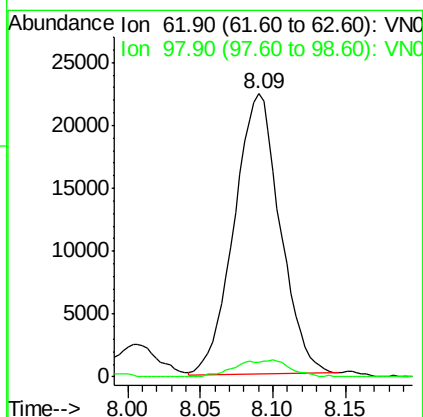
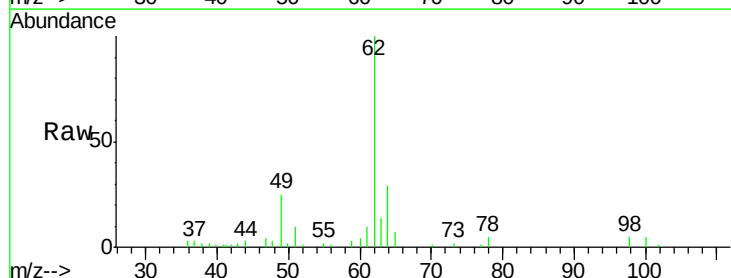
Acq: 11 Nov 2020 14:25

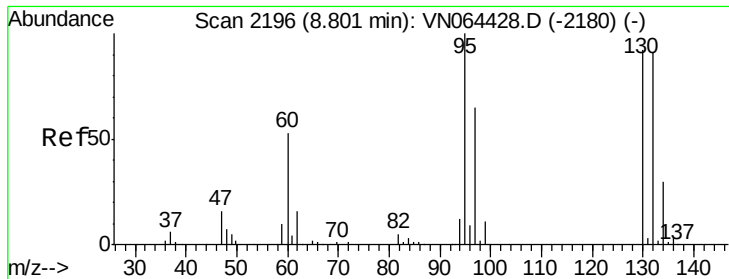
Tgt Ion: 62 Resp: 49184

Ion Ratio Lower Upper

62 100

98 3.5 0.0 14.0





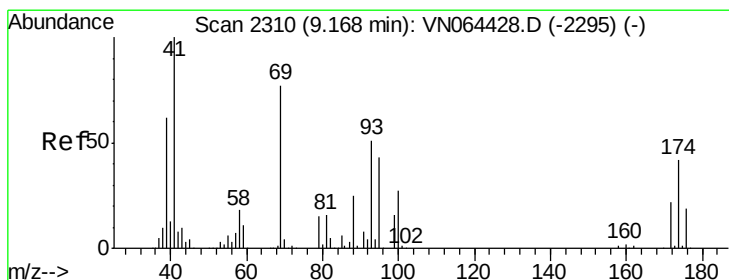
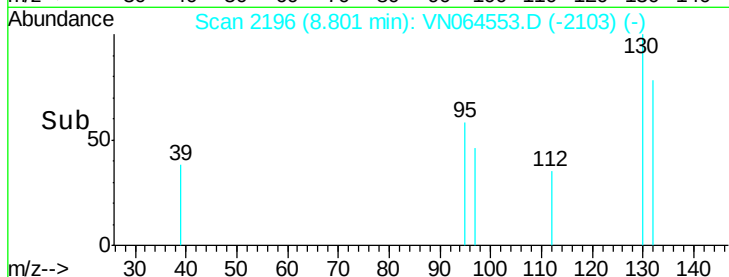
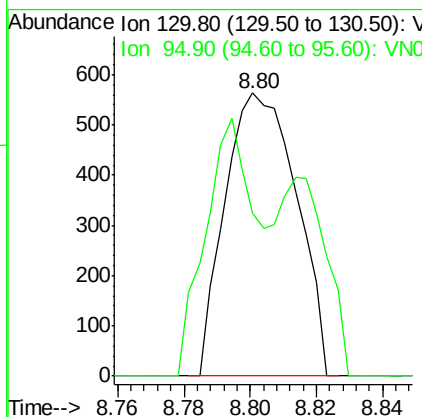
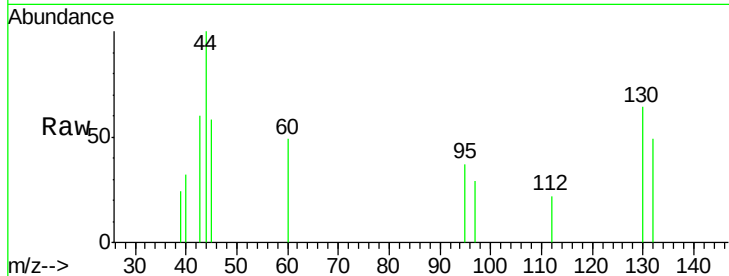
#44
 Trichloroethene
 Concen: 0.215 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064553.D
 Acq: 11 Nov 2020 14:25

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-498-500DL

Tot Ion:130 Resp: 843
 Ion Ratio Lower Upper
 130 100
 95 28.2 0.0 216.8

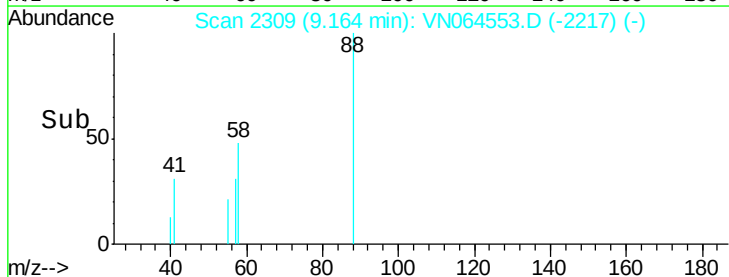
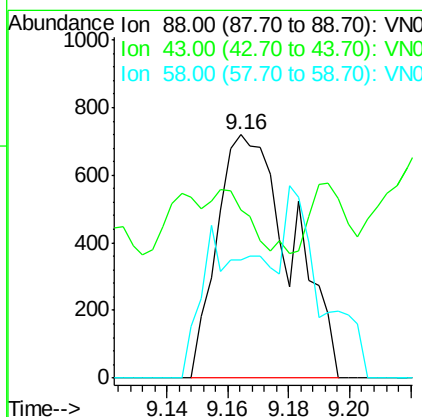
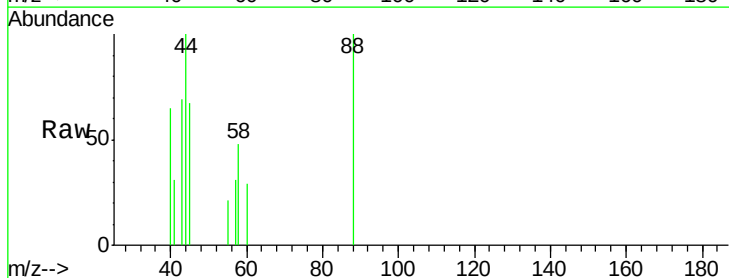
Manual Integrations
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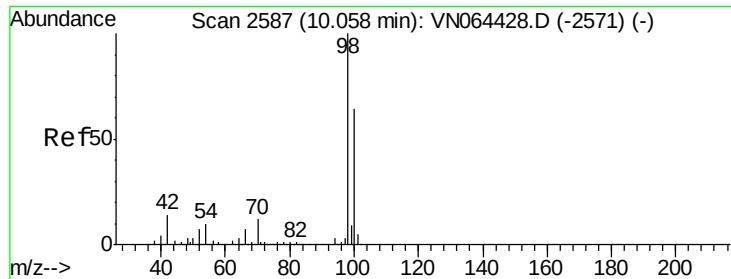
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 11/12/2020 9:12:34 AM



#49
 1,4-Dioxane
 Concen: 21.374 ug/l m
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064553.D
 Acq: 11 Nov 2020 14:25

Tgt Ion: 88 Resp: 1217
 Ion Ratio Lower Upper
 88 100
 43 11.7 31.0 46.6#
 58 23.8 58.4 87.6#





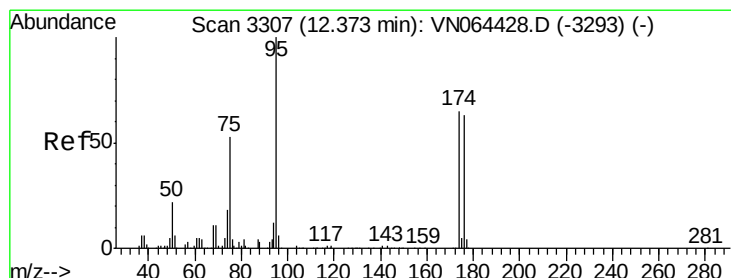
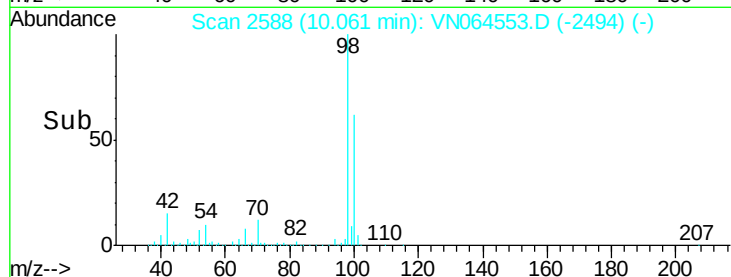
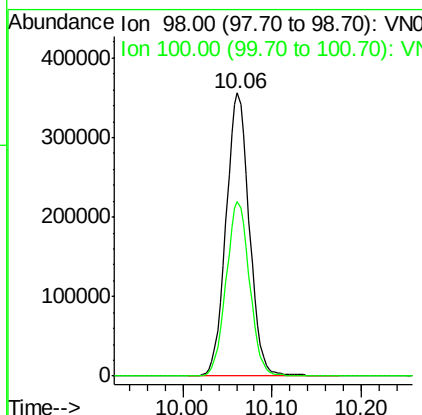
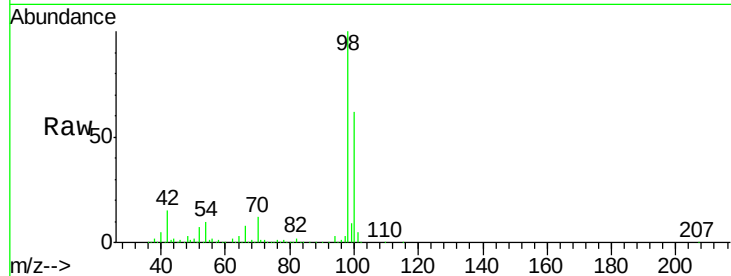
#50
Toluene-d8
Concen: 48.826 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

Tot Ion: 98 Resp: 642943
Ion Ratio Lower Upper
98 100
100 62.2 50.7 76.1

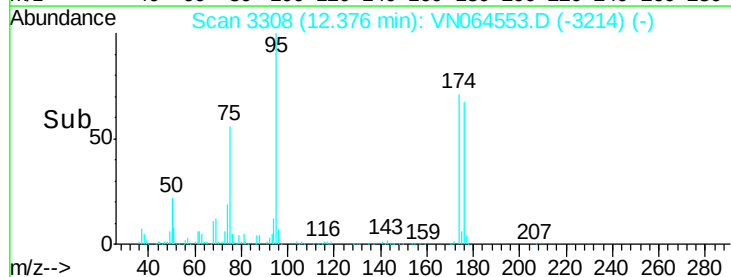
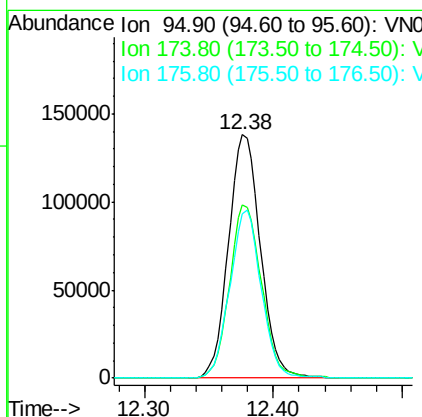
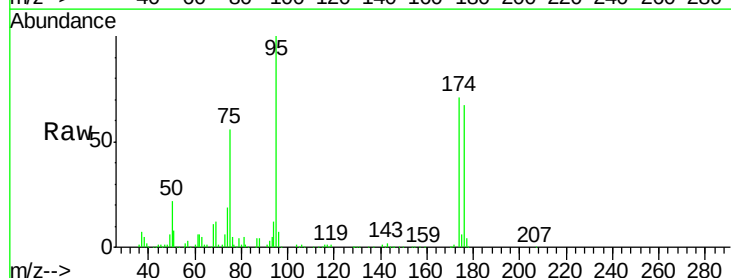
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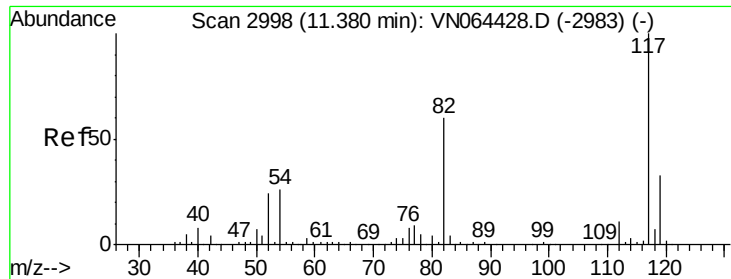
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11/12/2020 9:12:34 AM



#62
4-Bromofluorobenzene
Concen: 47.840 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tgt Ion: 95 Resp: 238241
Ion Ratio Lower Upper
95 100
174 71.4 0.0 132.6
176 67.9 0.0 129.2





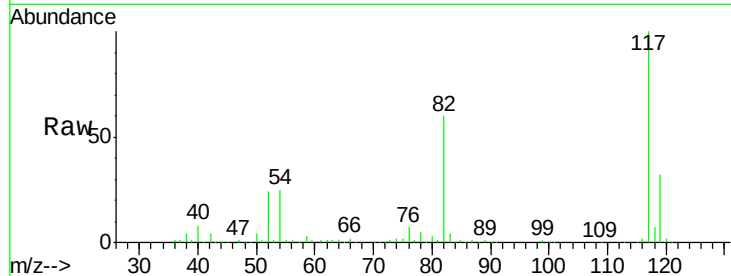
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.1	72.1
119	32.0	26.2	39.4

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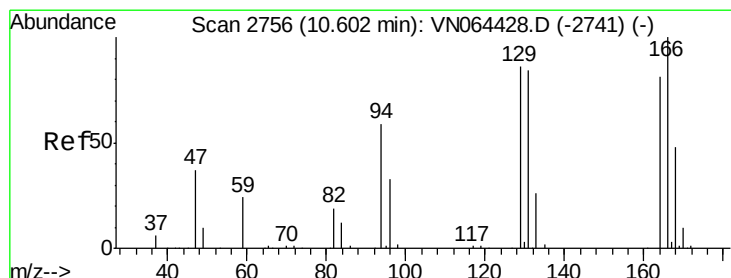
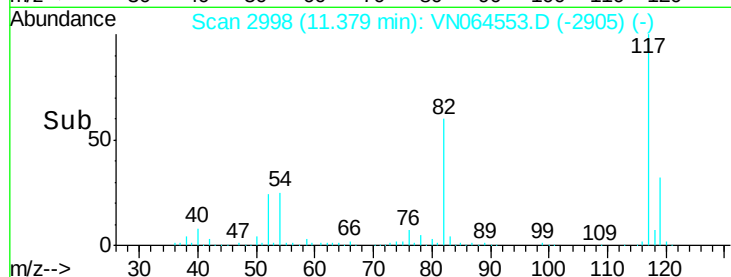
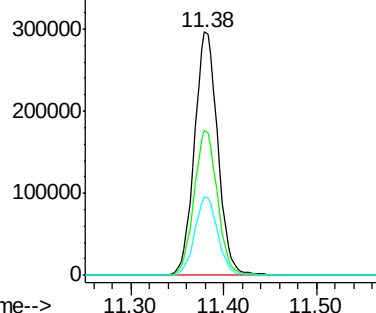


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.246 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	98.2	147.2
129	67.8	84.6	127.0
131	104.5	82.2	123.2

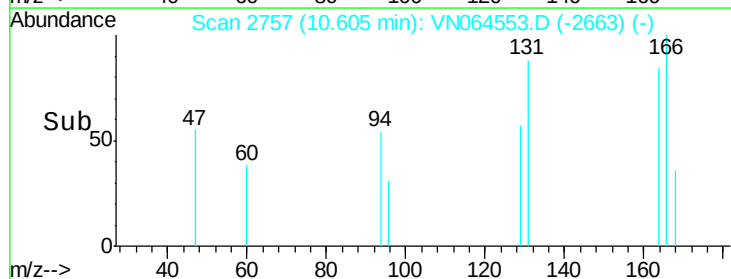
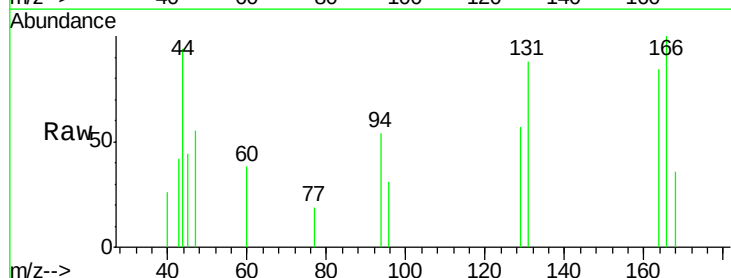
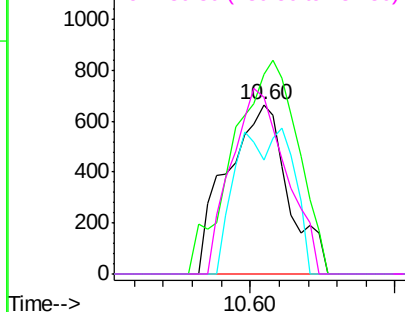
Abundance

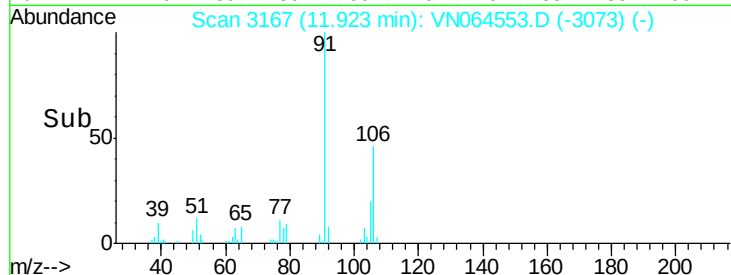
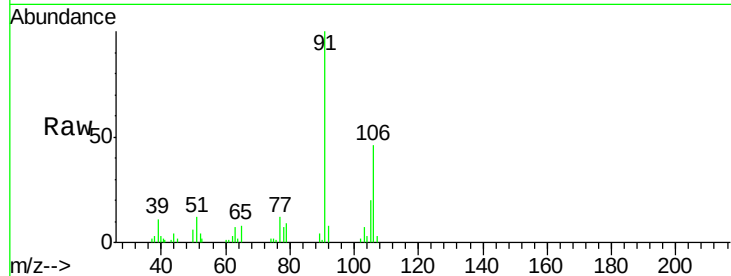
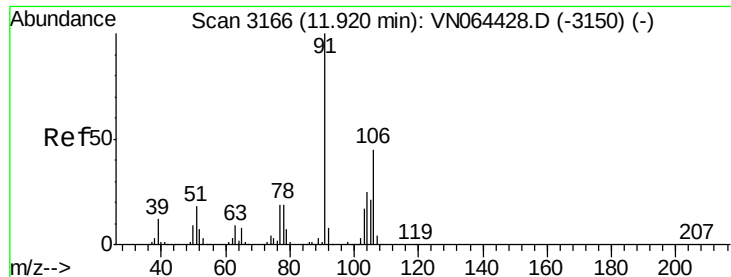
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





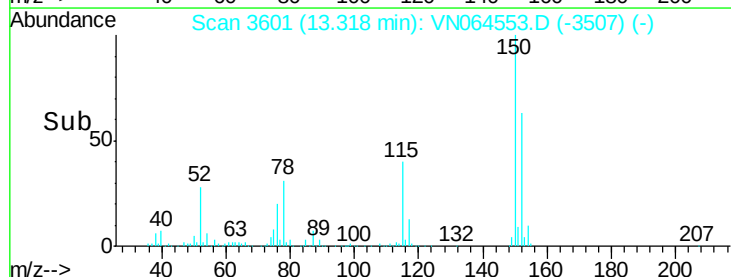
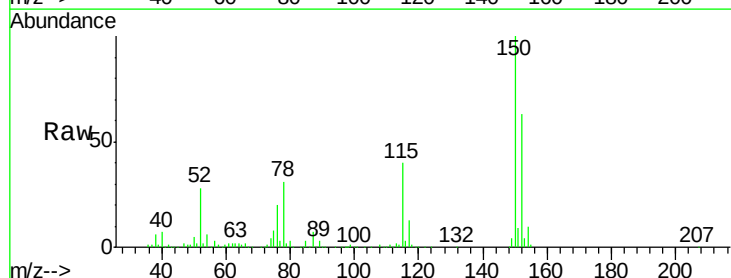
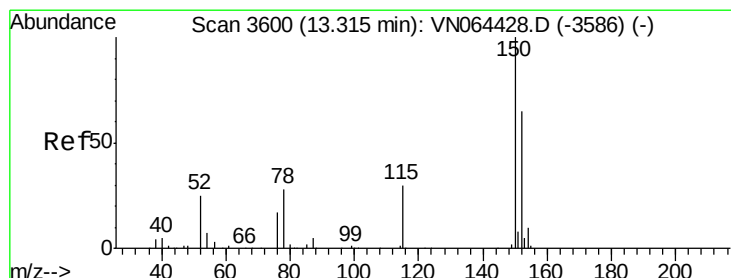
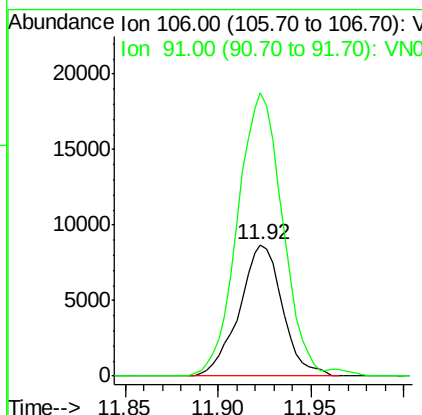
#69
o-Xylene
Concen: 1.985 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tot Ion:106 Resp: 14027
Ion Ratio Lower Upper
106 100
91 224.4 111.7 334.9

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500DL

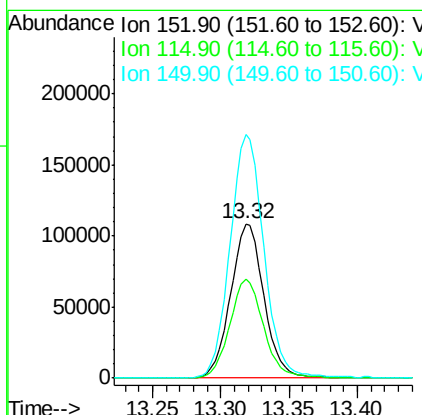
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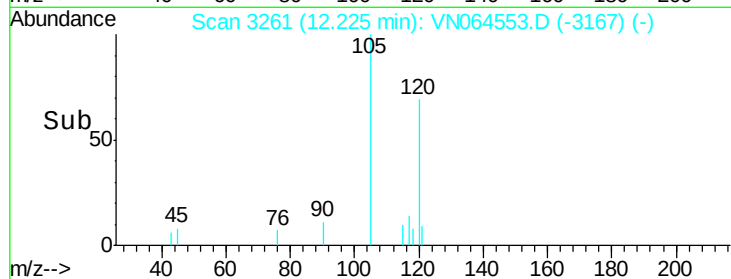
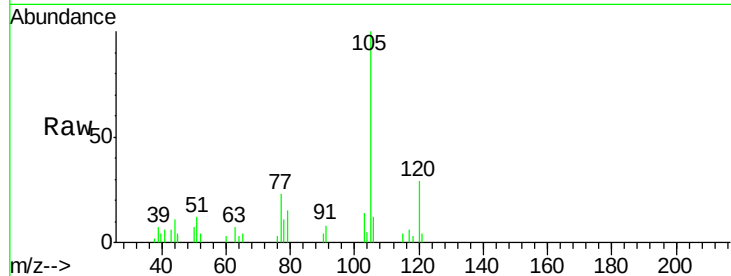
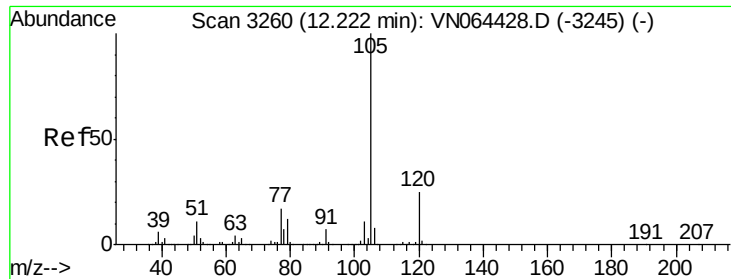
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064553.D
Acq: 11 Nov 2020 14:25

Tgt Ion:152 Resp: 184050
Ion Ratio Lower Upper
152 100
115 65.3 32.0 96.0
150 159.9 0.0 353.8





#73

Isopropylbenzene

Concen: 0.792 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064553.D

Acq: 11 Nov 2020 14:25

Tot Ion:105 Resp: 11584

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500DL

Manual Integrations

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11/12/2020 9:12:34 AM

