

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064533.D
 Acq On : 10 Nov 2020 18:13
 Operator : JC/MD
 Sample : L4684-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
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 11/11/2020 1:01:57 PM

Quant Time: Nov 11 07:50:08 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	241706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	501035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190217	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	234495	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
35) Dibromofluoromethane	7.55	113	172494	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.06	98	633038	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.38	95	251954	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.76	59	13548	29.180	ug/l #	71
12) 1,1-Dichloroethene	3.69	96	82425	31.886	ug/l	98
20) Methylene Chloride	4.50	84	12876	4.047	ug/l	86
22) Diisopropyl ether	5.92	45	14395m	1.341	ug/l	
24) 1,1-Dichloroethane	5.80	63	251315	42.607	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	30702	5.583	ug/l	99
40) Benzene	8.00	78	2539604	163.279	ug/l	99
42) 1,2-Dichloroethane	8.09	62	203933	32.490	ug/l	98
44) Trichloroethene	8.80	130	4436	1.130	ug/l	94
49) 1,4-Dioxane	9.17	88	4551	79.826	ug/l #	93
64) Tetrachloroethene	10.60	164	3331	0.846	ug/l #	92
69) o-Xylene	11.92	106	62245	8.912	ug/l	93
73) Isopropylbenzene	12.23	105	55969	3.702	ug/l	99

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

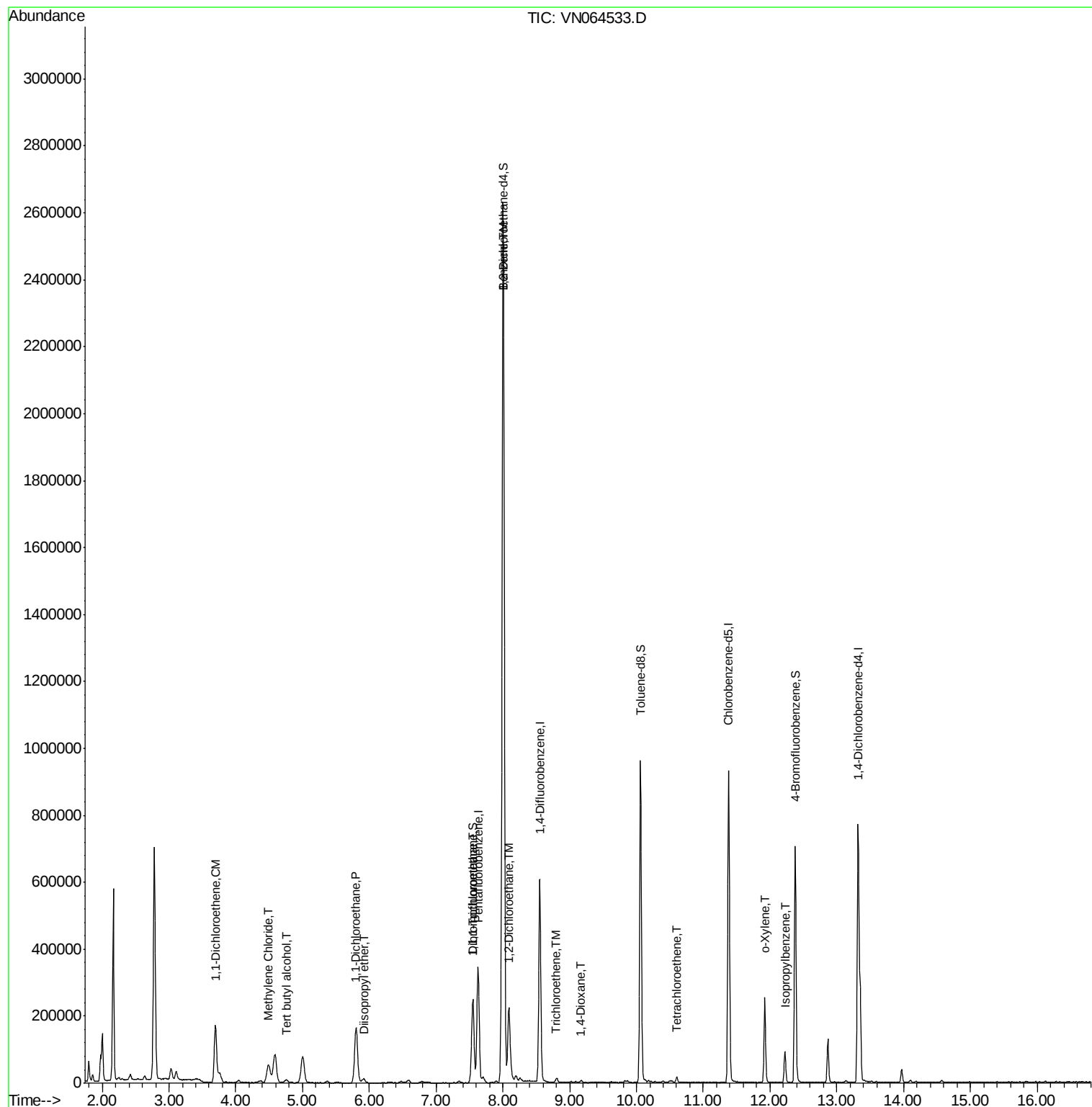
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Data File : VN064533.D
Acq On : 10 Nov 2020 18:13
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

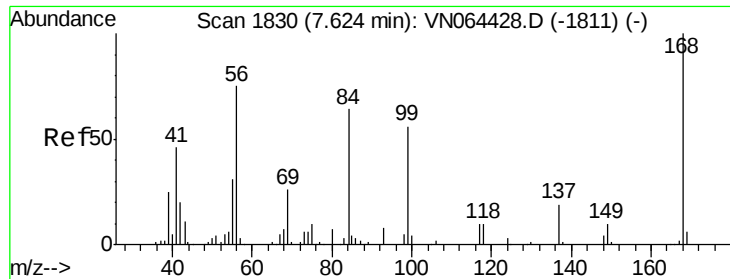
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-498-500

Manual Integrations
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Quant Time: Nov 11 07:50:08 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064533.D

Acq: 10 Nov 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500

Tot Ion:168 Resp: 241706

Ion Ratio Lower Upper

168 100

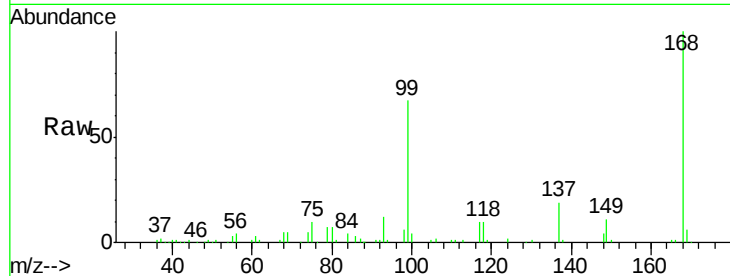
99 66.5 53.4 80.2

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

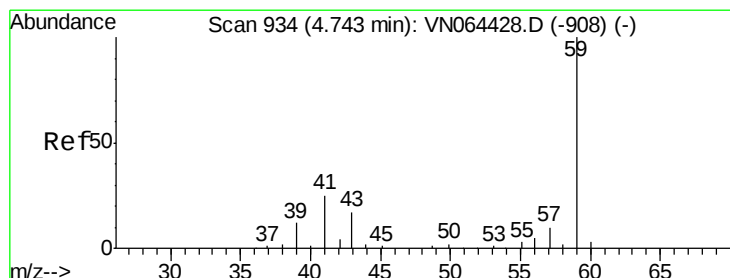
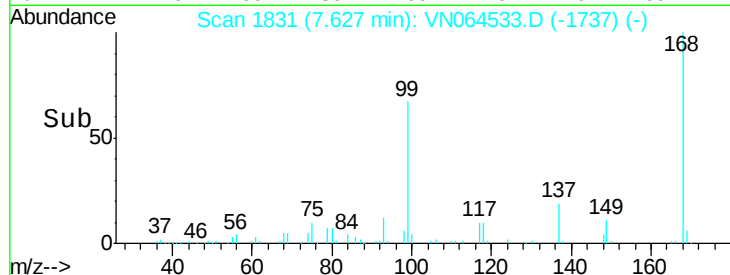
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 29.180 ug/l

RT: 4.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN064533.D

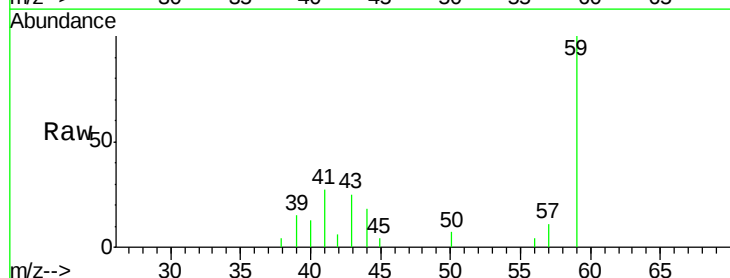
Acq: 10 Nov 2020 18:13

Tgt Ion: 59 Resp: 13548

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

4000

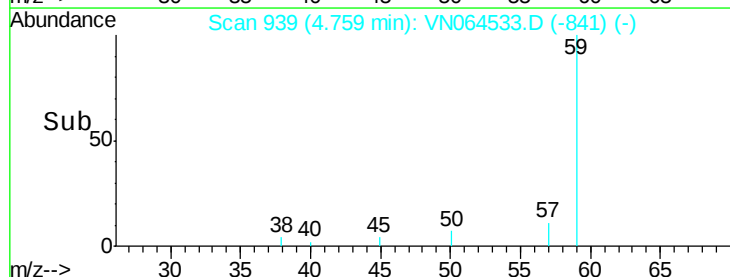
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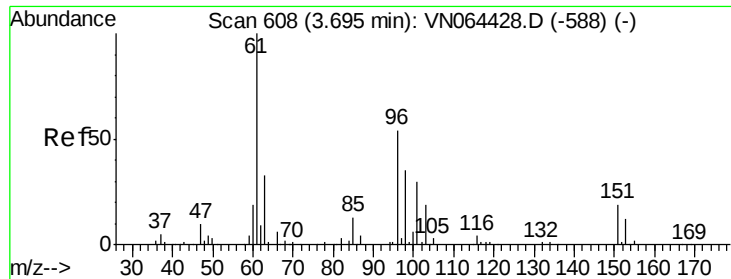
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1000

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Time-->





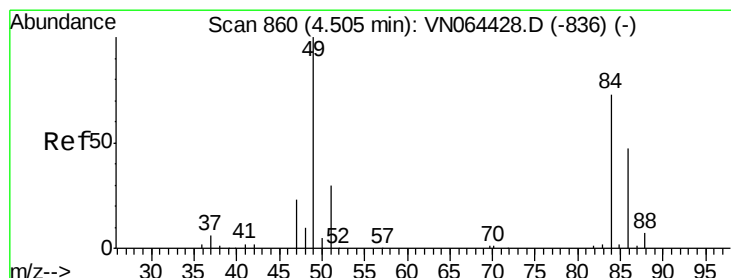
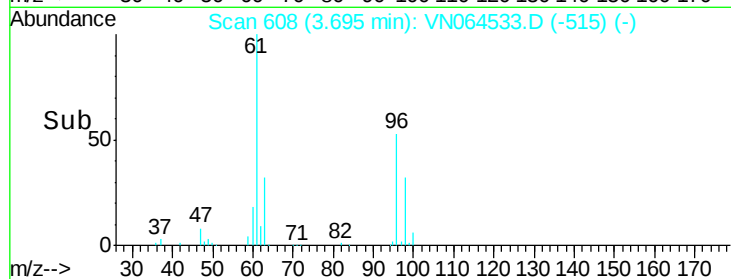
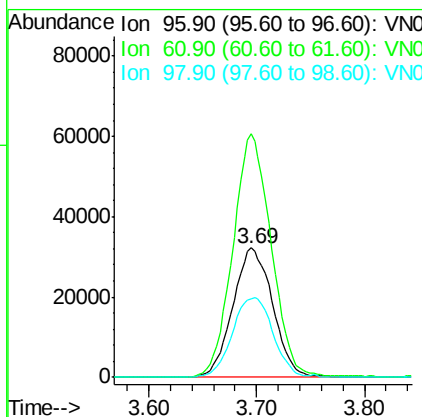
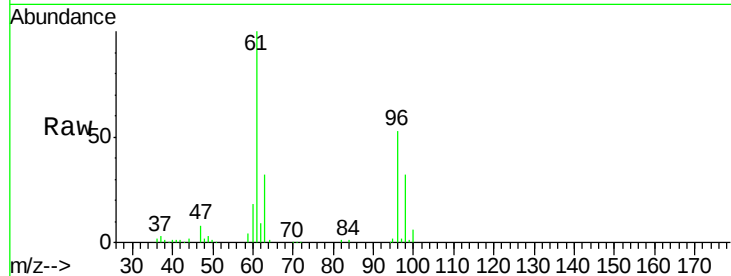
#12
 1,1-Dichloroethene
 Concen: 31.886 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.1	149.5	224.3
98	61.1	52.4	78.6

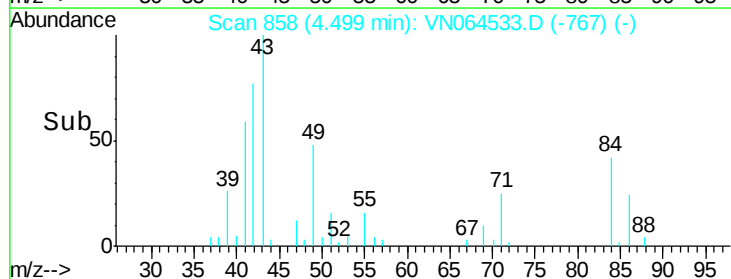
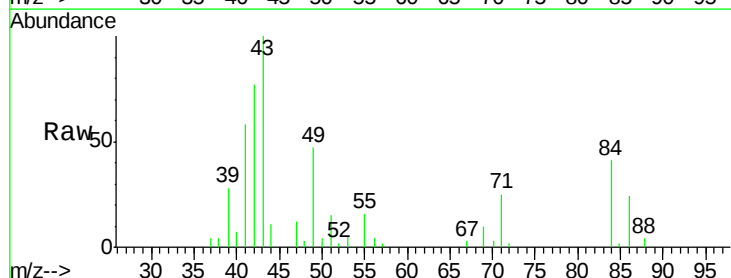
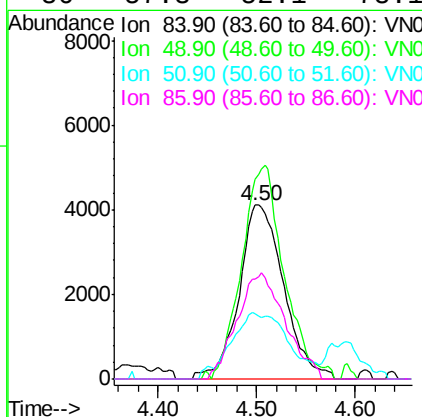
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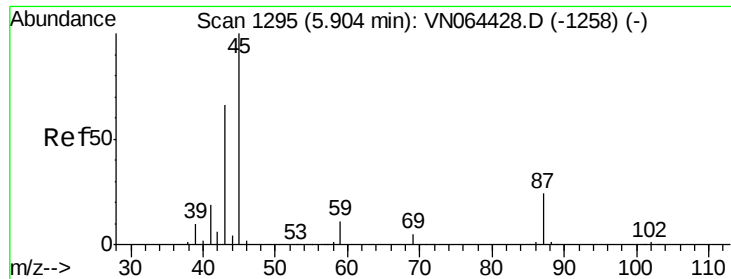
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#20
 Methylene Chloride
 Concen: 4.047 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.0	110.1	165.1
51	37.3	33.6	50.4
86	57.3	52.1	78.1





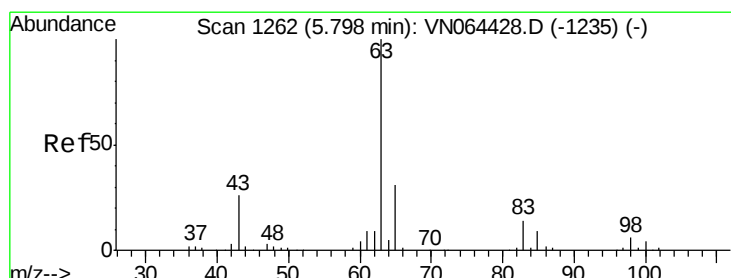
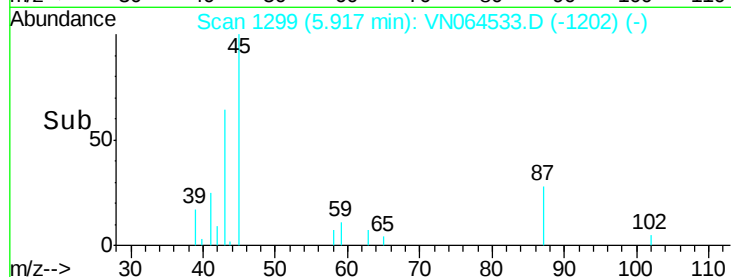
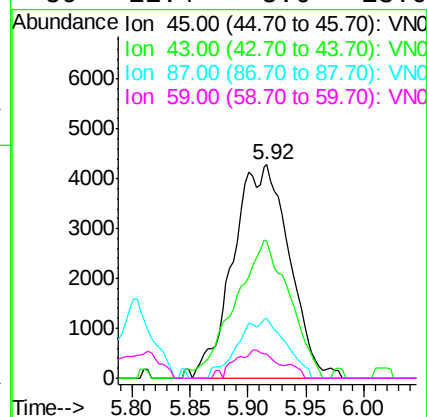
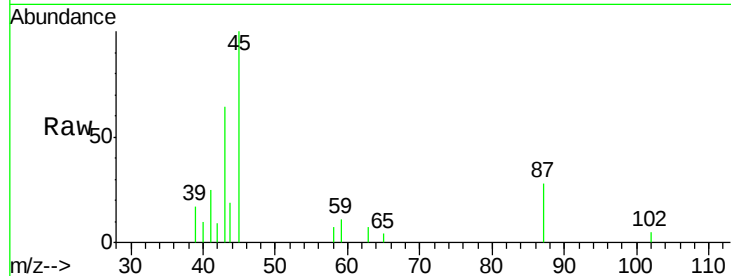
#22
Diisopropyl ether
Concen: 1.341 ug/l m
RT: 5.92 min Scan# 1299
Delta R.T. 0.01 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	64.3	53.2	79.8	
87	28.1	19.9	29.9	
59	11.4	8.6	13.0	

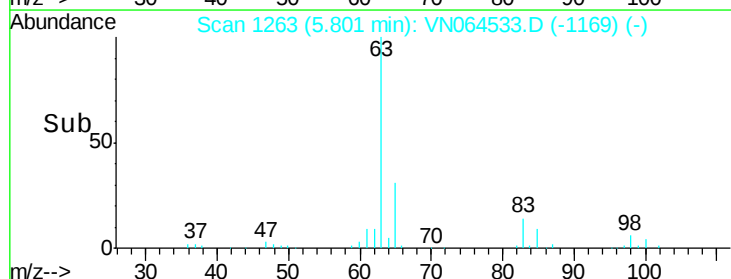
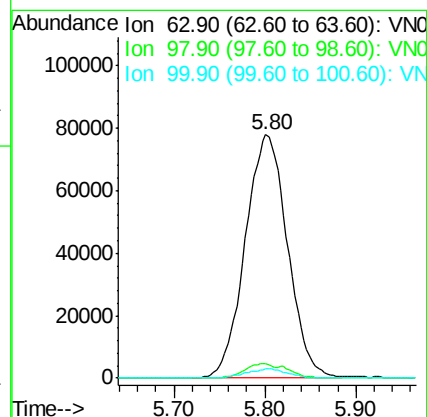
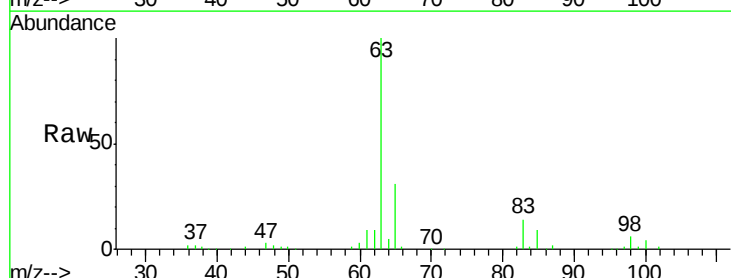
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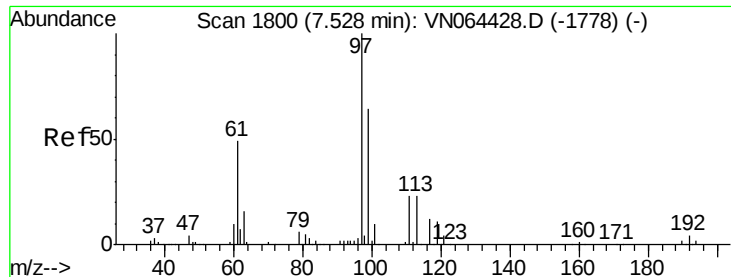
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#24
1,1-Dichloroethane
Concen: 42.607 ug/l
RT: 5.80 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	5.9	3.0	9.2	
100	3.6	1.8	5.3	





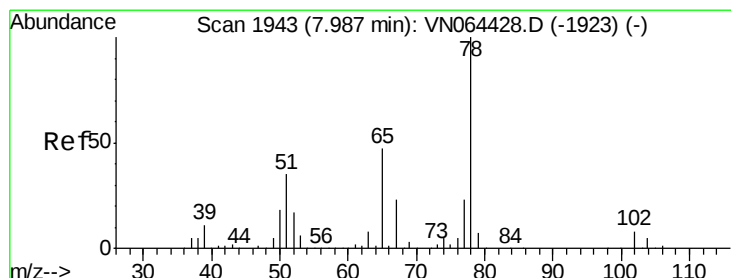
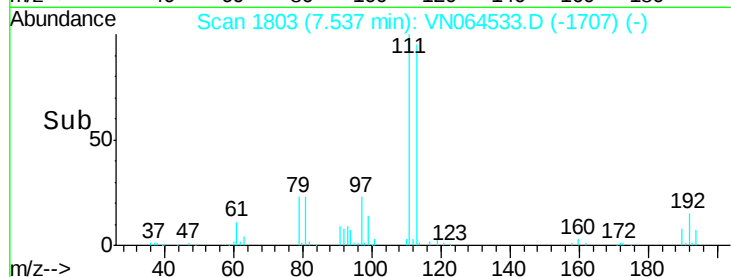
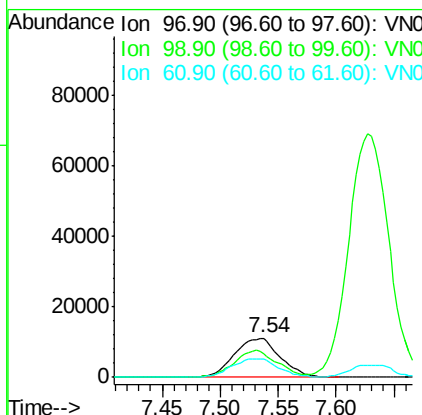
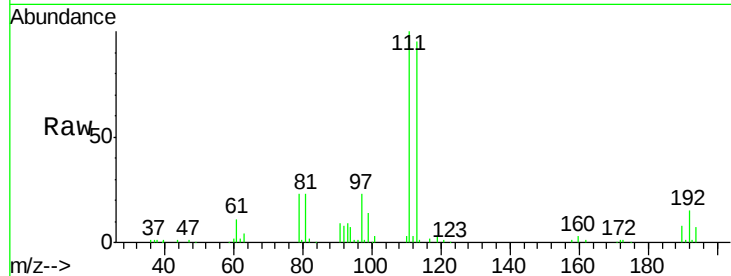
#32
 1,1,1-Trichloroethane
 Concen: 5.583 ug/l
 RT: 7.54 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

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

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	48.8	39.1	58.7

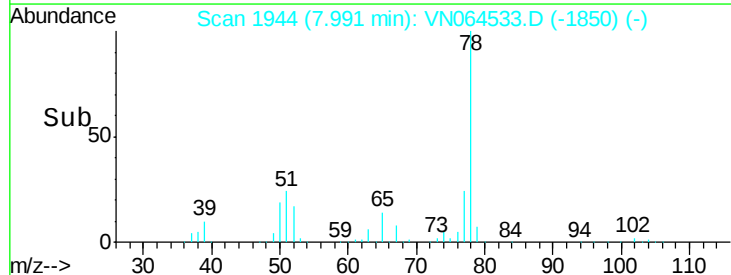
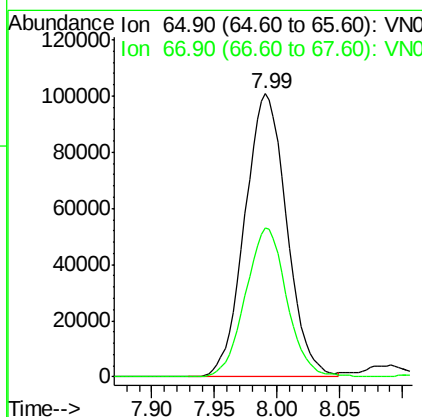
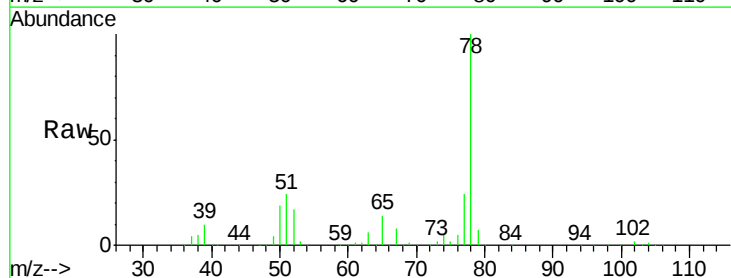
Manual Integrations
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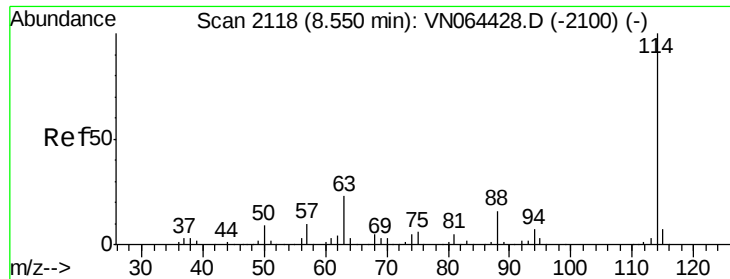
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#33
 1,2-Dichloroethane-d4
 Concen: 55.698 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	101.6





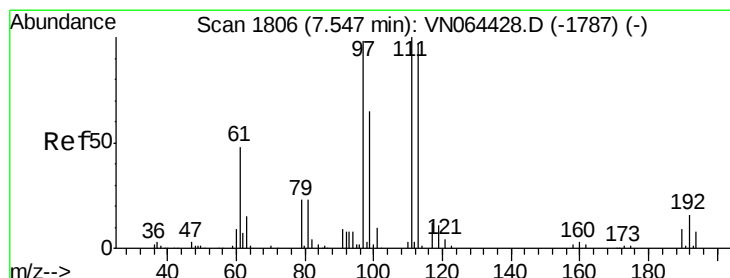
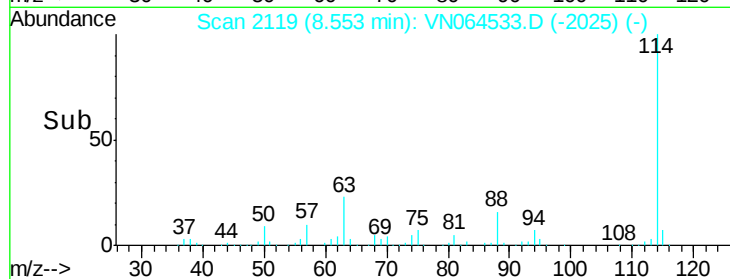
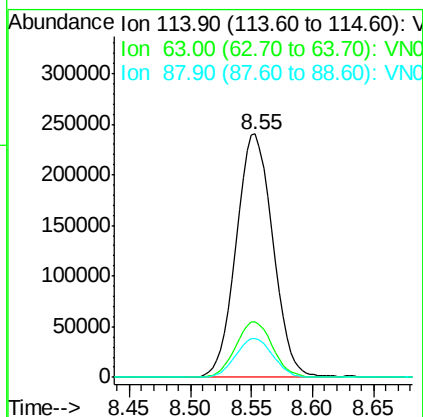
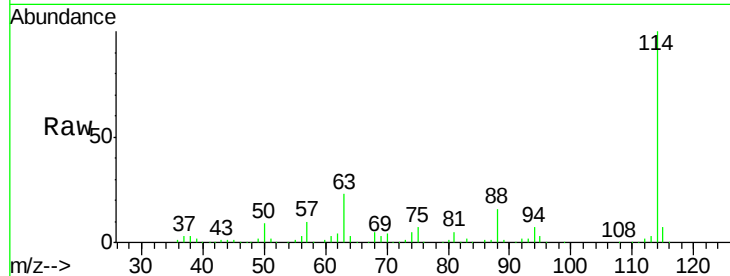
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	22.6	0.0	45.6
88	16.1	0.0	32.8

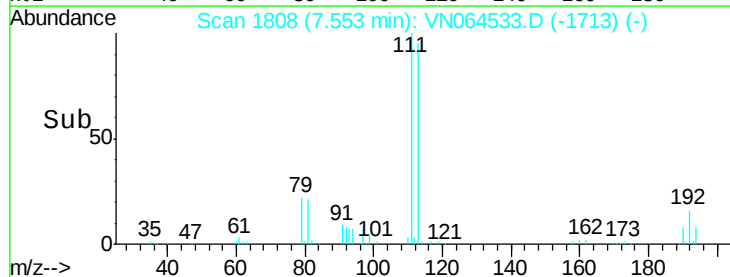
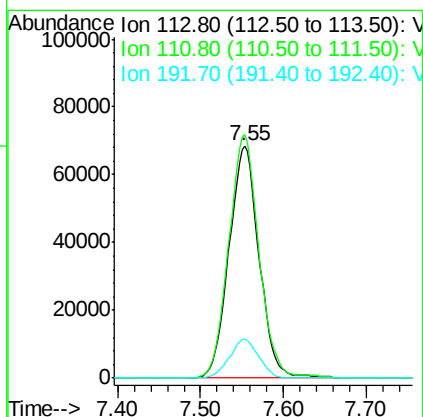
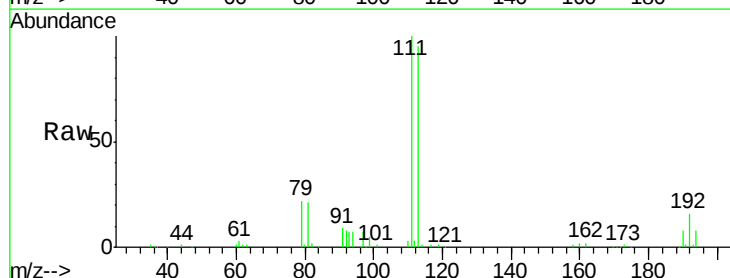
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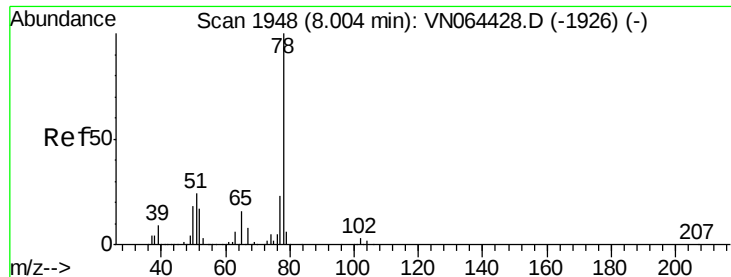
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#35
Dibromofluoromethane
Concen: 50.565 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	105.1	81.1	121.7
192	16.4	12.8	19.2





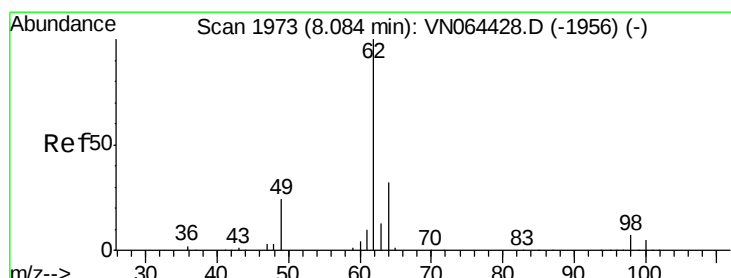
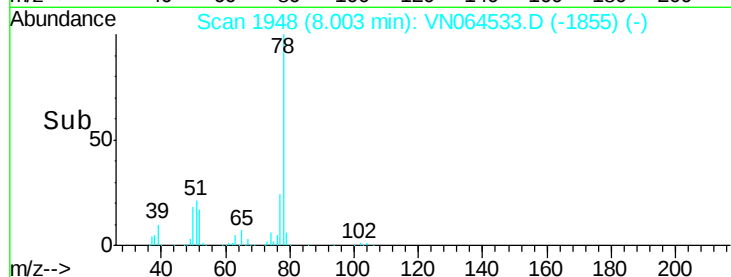
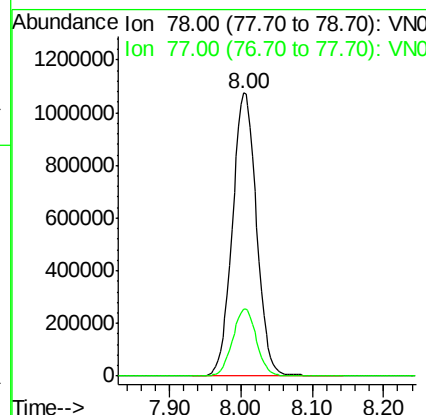
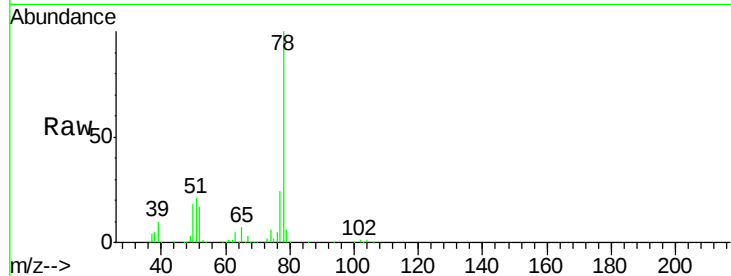
#40
Benzene
Concen: 163.279 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

Tot Ion: 78 Resp: 2539604
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

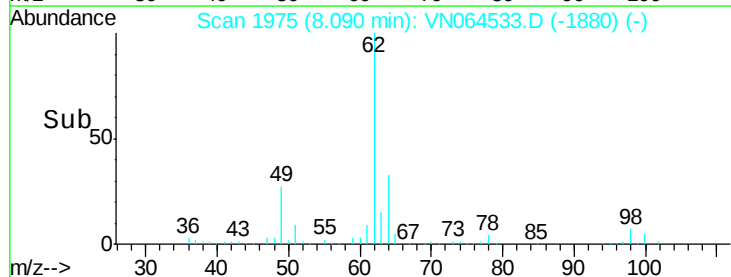
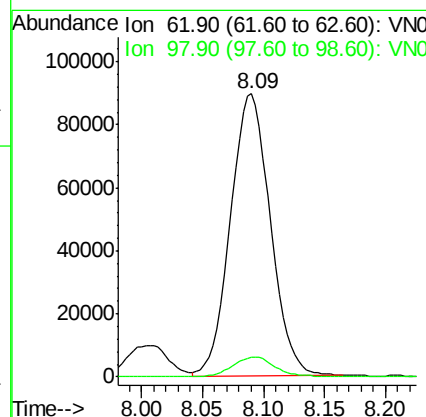
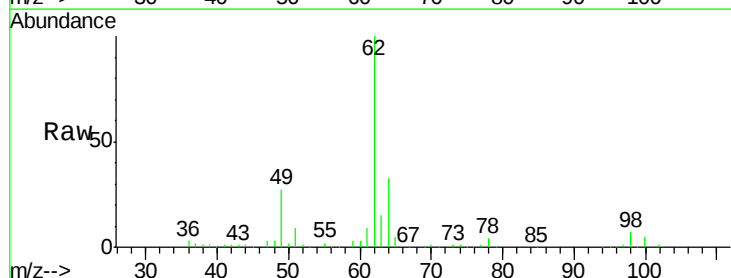
Manual Integrations
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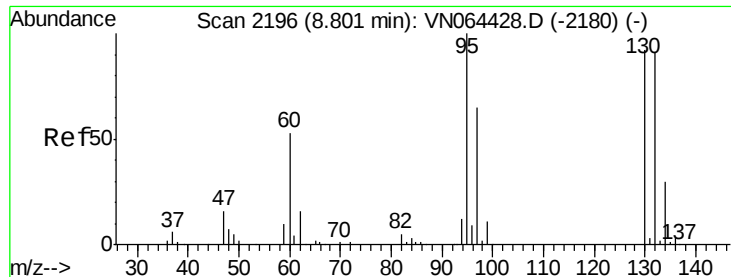
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11/11/2020 1:01:57 PM



#42
1,2-Dichloroethane
Concen: 32.490 ug/l
RT: 8.09 min Scan# 1975
Delta R.T. 0.01 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion: 62 Resp: 203933
Ion Ratio Lower Upper
62 100
98 7.5 0.0 14.0





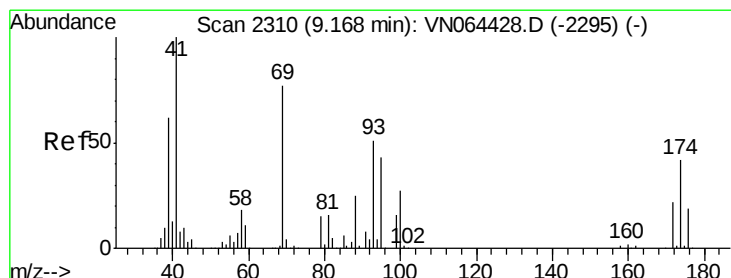
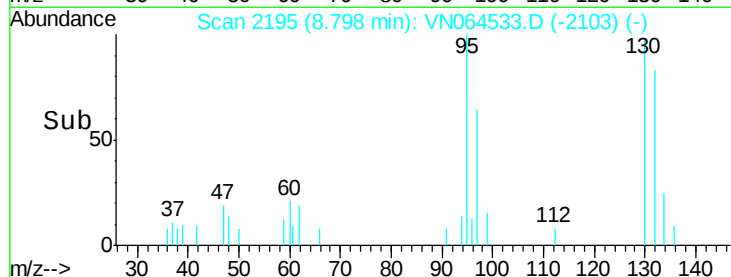
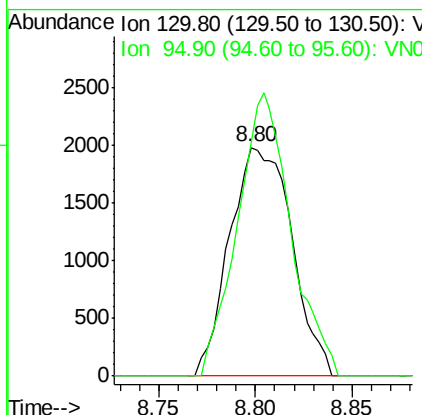
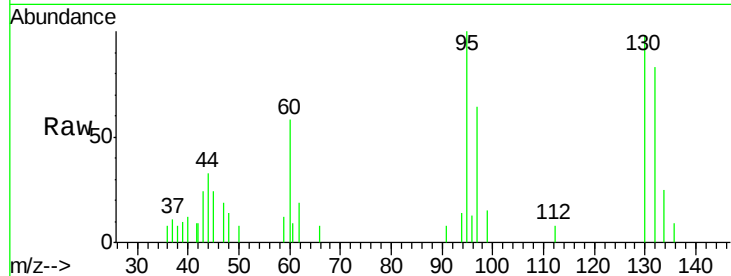
#44
 Trichloroethene
 Concen: 1.130 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

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

Tot Ion:130 Resp: 4436
 Ion Ratio Lower Upper
 130 100
 95 102.1 0.0 216.8

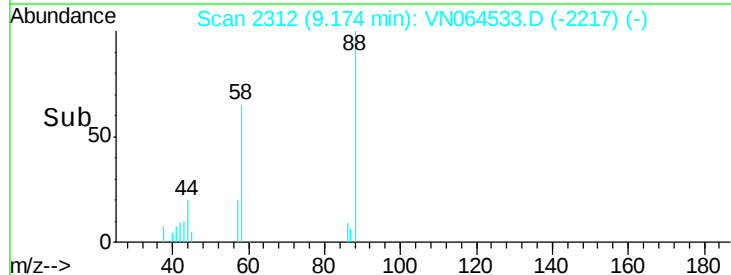
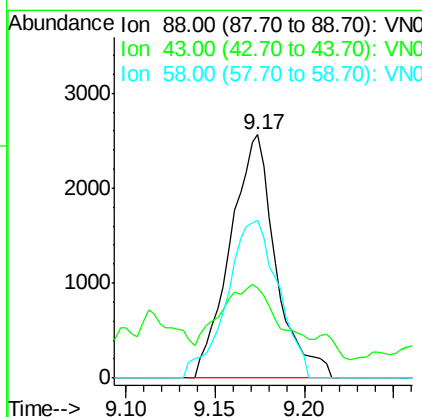
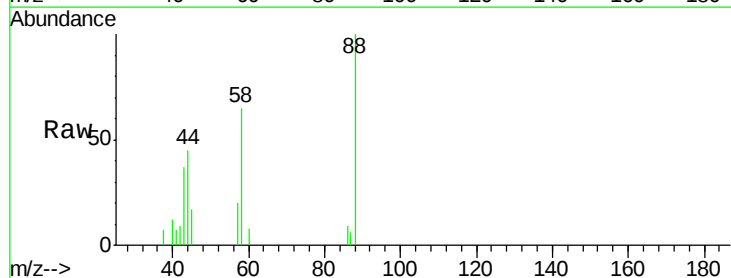
Manual Integrations
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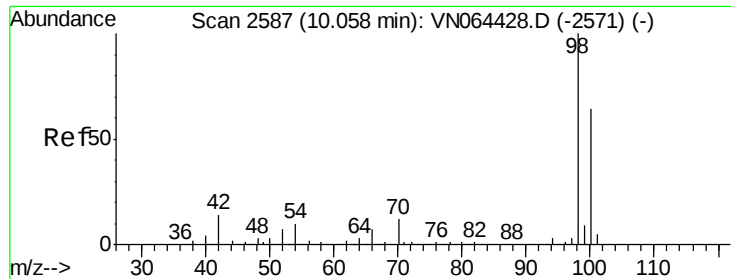
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#49
 1,4-Dioxane
 Concen: 79.826 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN064533.D
 Acq: 10 Nov 2020 18:13

Tgt Ion: 88 Resp: 4551
 Ion Ratio Lower Upper
 88 100
 43 28.2 31.0 46.6#
 58 73.6 58.4 87.6





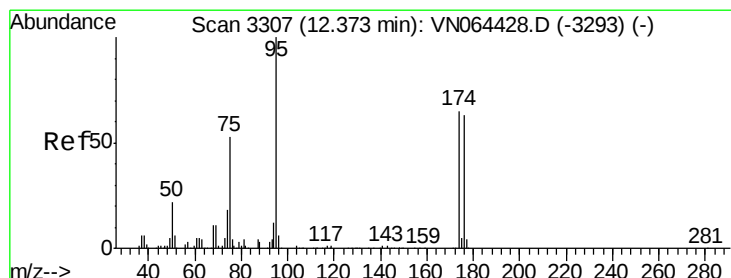
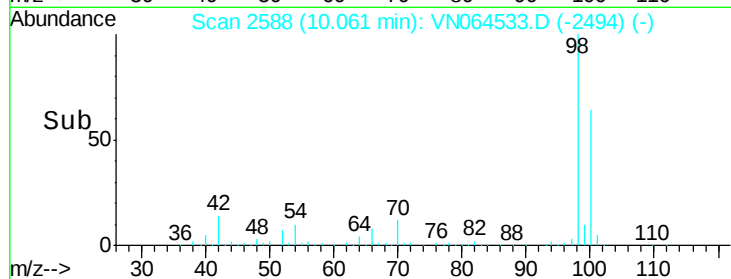
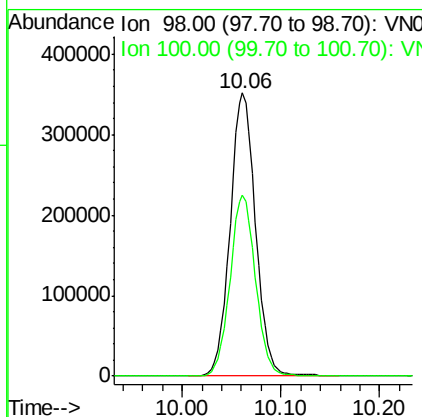
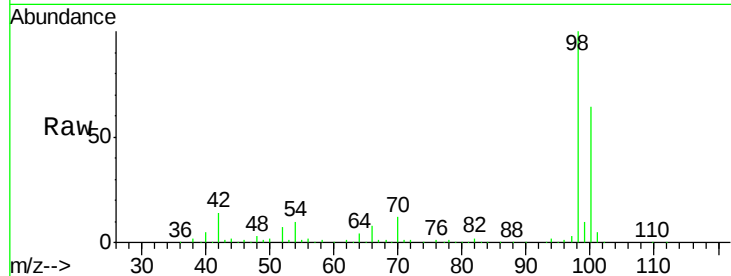
#50
Toluene-d8
Concen: 48.012 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

Tot Ion: 98 Resp: 633038
Ion Ratio Lower Upper
98 100
100 64.1 50.7 76.1

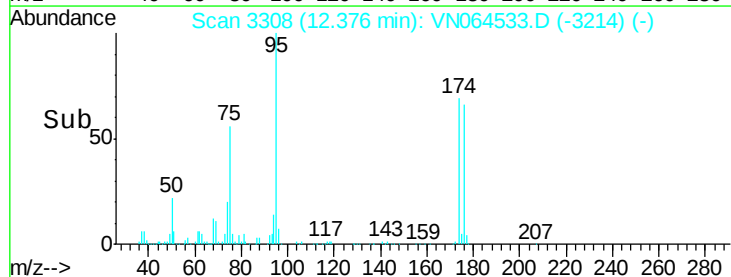
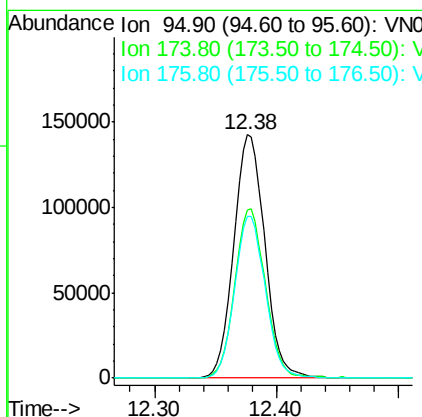
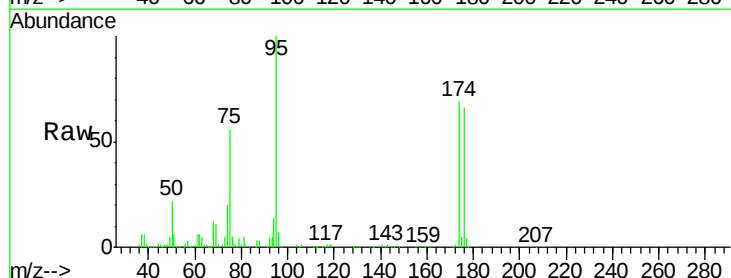
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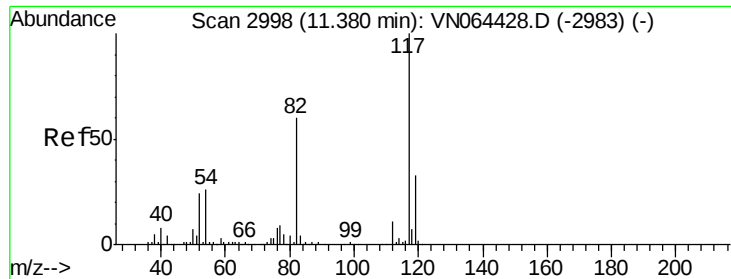
MMDadoda
11/11/2020 1:01:57 PM



#62
4-Bromofluorobenzene
Concen: 50.528 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion: 95 Resp: 251954
Ion Ratio Lower Upper
95 100
174 68.6 0.0 132.6
176 65.6 0.0 129.2





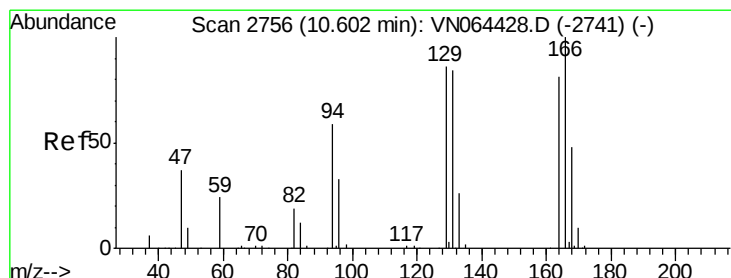
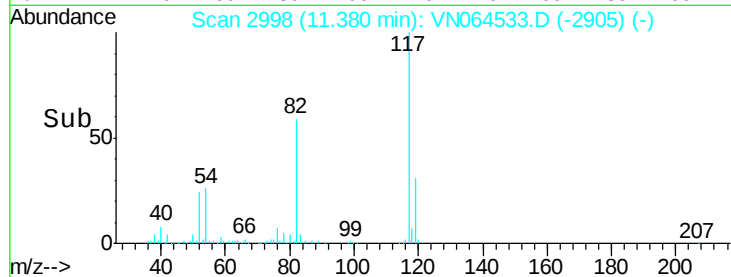
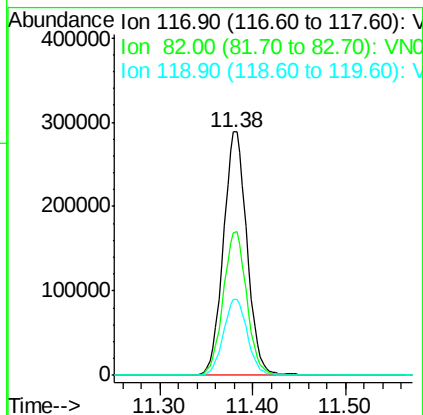
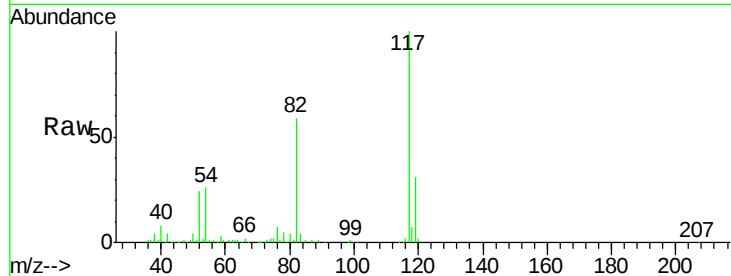
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	511109		
82	58.7		48.1	72.1
119	31.3		26.2	39.4

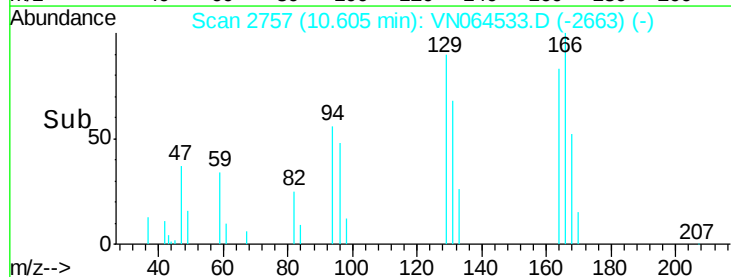
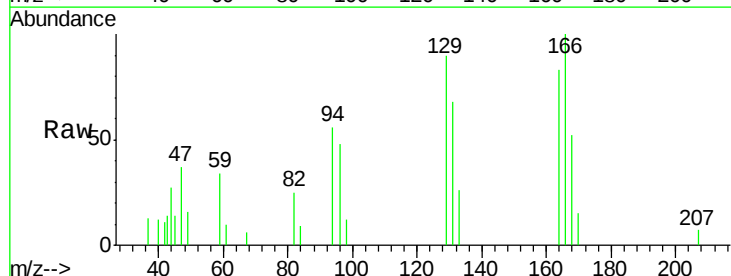
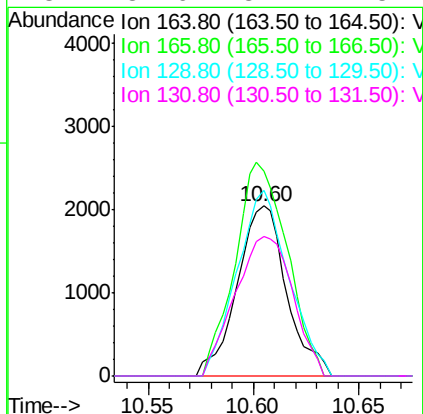
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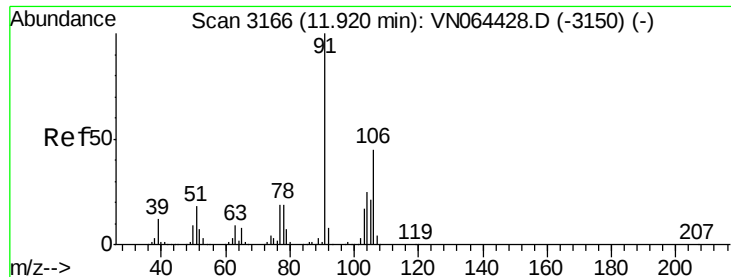
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#64
Tetrachloroethene
Concen: 0.846 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3331		
166	120.6		98.2	147.2
129	108.7		84.6	127.0
131	81.6		82.2	123.2#





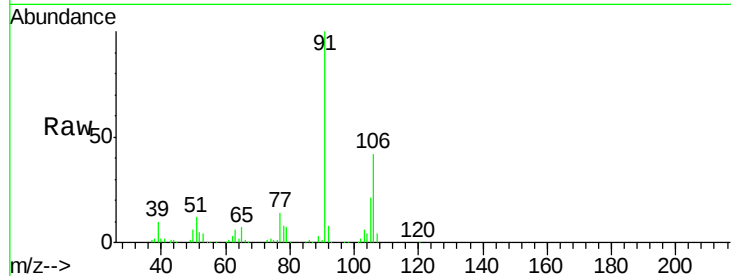
#69
o-Xylene
Concen: 8.912 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

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

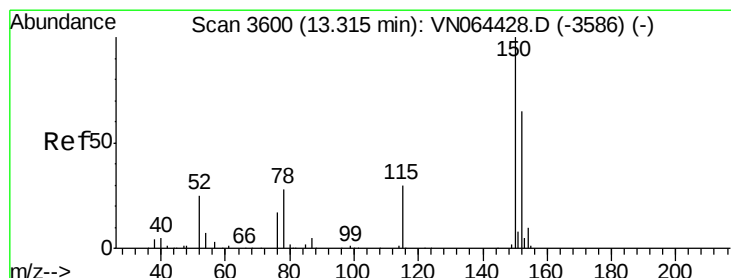
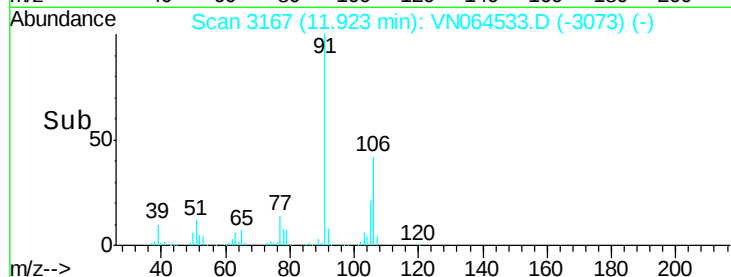
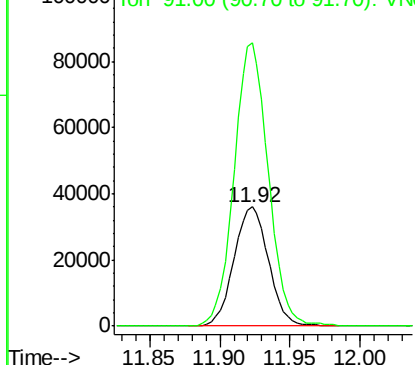
Tot Ion:106 Resp: 62245
Ion Ratio Lower Upper
106 100
91 234.0 111.7 334.9

Manual Integrations
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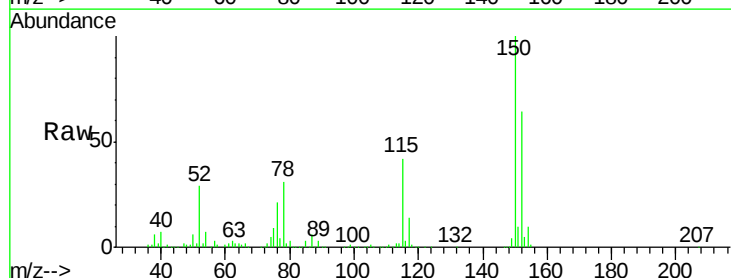


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

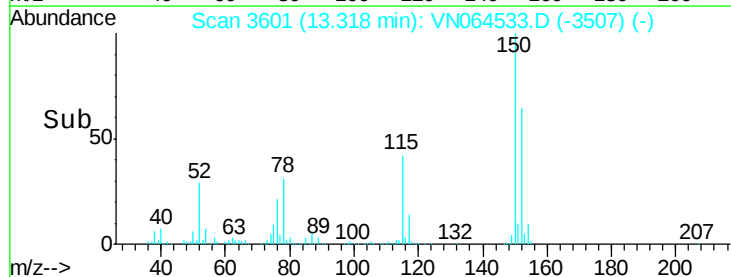
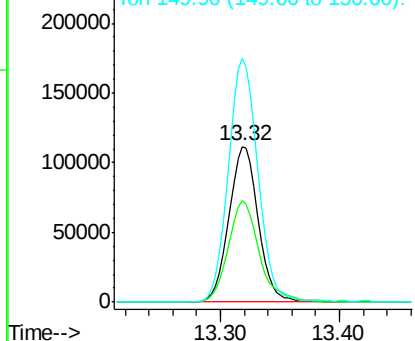


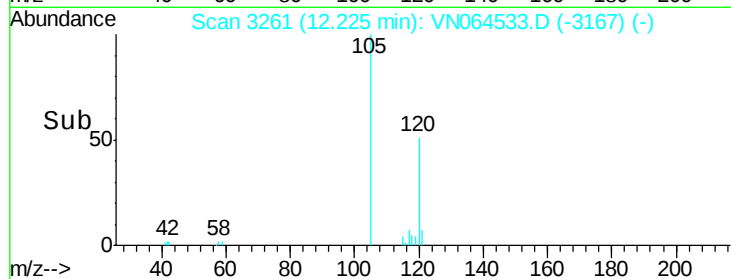
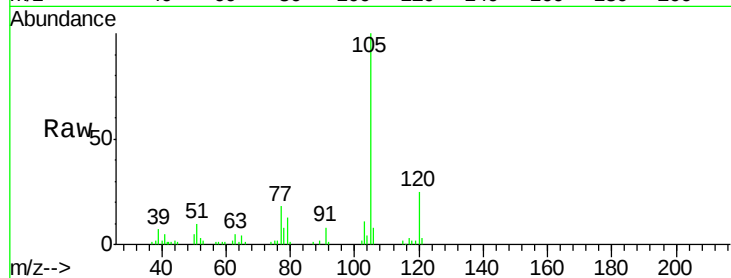
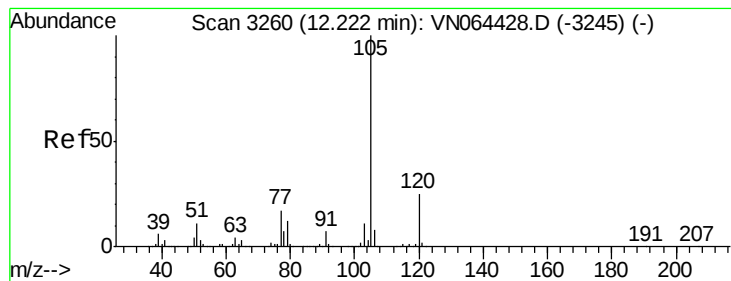
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064533.D
Acq: 10 Nov 2020 18:13

Tgt Ion:152 Resp: 190217
Ion Ratio Lower Upper
152 100
115 69.2 32.0 96.0
150 158.2 0.0 353.8



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





#73

Isopropylbenzene

Concen: 3.702 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064533.D

Acq: 10 Nov 2020 18:13

Tot Ion: 105 Resp: 55969

Ion Ratio Lower Upper

105 100

120 25.2 12.8 38.3

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-498-500

Manual Integrations

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