

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064530.D
 Acq On : 10 Nov 2020 17:00
 Operator : JC/MD
 Sample : L4684-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Manual Integrations
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 11/11/2020 1:01:53 PM

Quant Time: Nov 11 07:44:00 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	237725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	500267	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190539	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	229424	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
35) Dibromofluoromethane	7.55	113	170220	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	10.06	98	619860	48.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.38	95	244009	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.75	59	12670	27.746	ug/l #	71
12) 1,1-Dichloroethene	3.70	96	21435	8.431	ug/l	93
22) Diisopropyl ether	5.90	45	9746m	0.923	ug/l	
24) 1,1-Dichloroethane	5.80	63	160629	27.688	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	8548	1.580	ug/l	97
40) Benzene	8.01	78	1788693	118.406	ug/l	100
42) 1,2-Dichloroethane	8.09	62	133890	21.962	ug/l	98
44) Trichloroethene	8.80	130	12701	3.332	ug/l	99
49) 1,4-Dioxane	9.17	88	1195	21.581	ug/l #	74
52) Toluene	10.13	92	8305	0.901	ug/l	89
64) Tetrachloroethene	10.60	164	3540	0.919	ug/l	88
68) m/p-Xylenes	11.59	106	2621	0.370	ug/l	92
69) o-Xylene	11.92	106	49859	7.293	ug/l	99
73) Isopropylbenzene	12.23	105	39462	2.606	ug/l	95

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

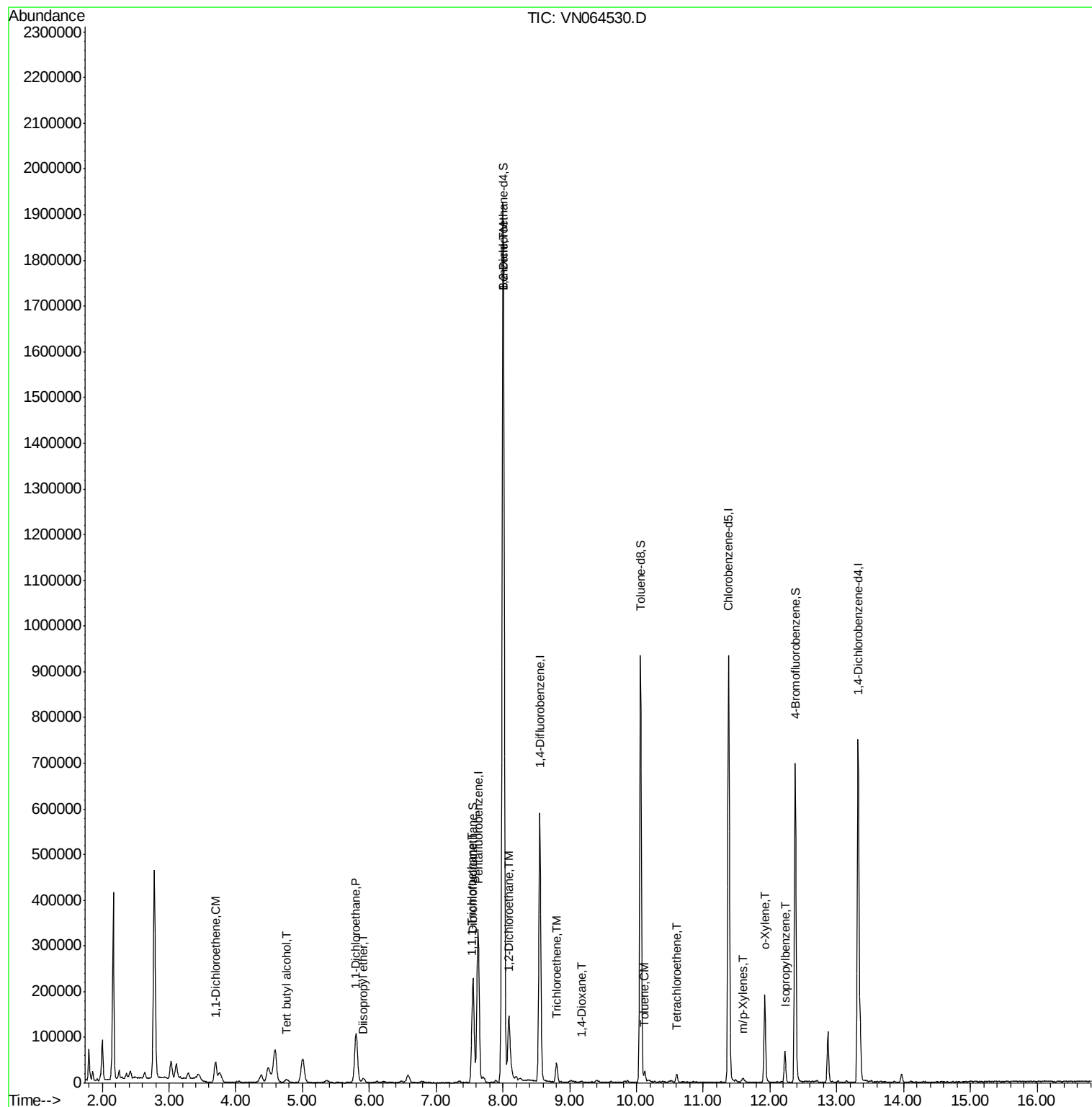
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
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Quant Time: Nov 11 07:44:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion:168 Resp: 237725

Ion Ratio Lower Upper

168 100

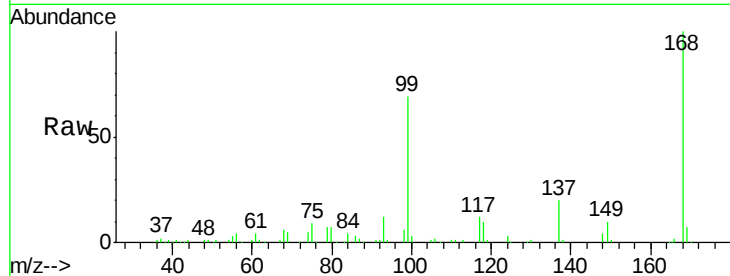
99 69.0 53.4 80.2

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

100000

80000

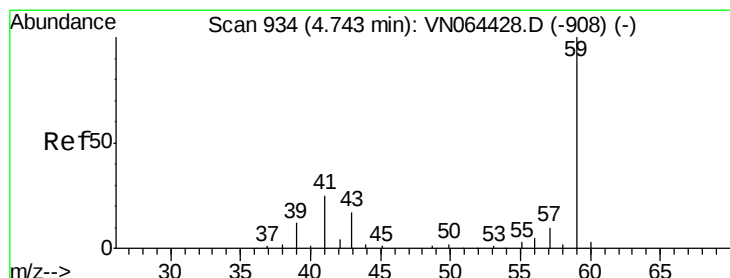
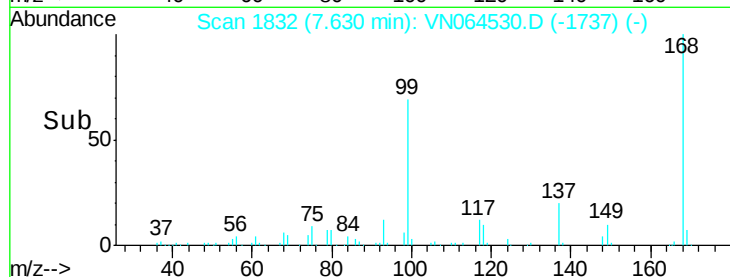
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 27.746 ug/l

RT: 4.75 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN064530.D

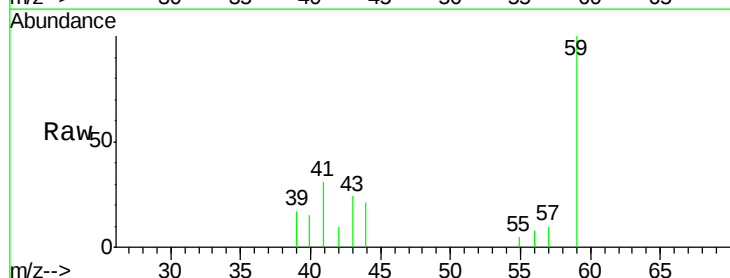
Acq: 10 Nov 2020 17:00

Tgt Ion: 59 Resp: 12670

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

4000

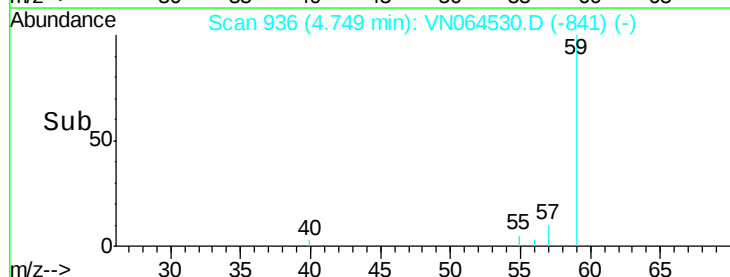
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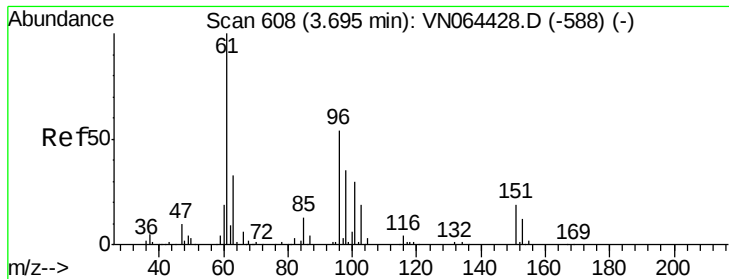
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1000

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Time-->





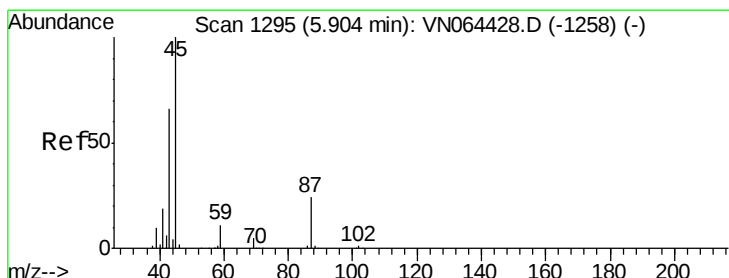
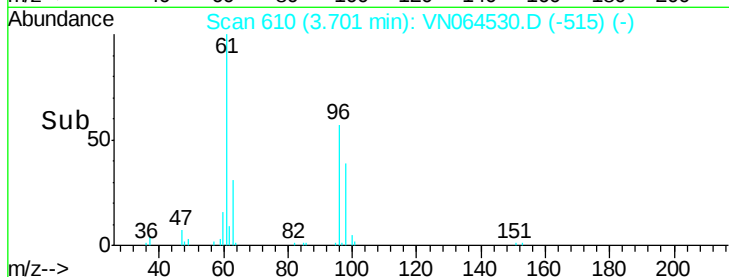
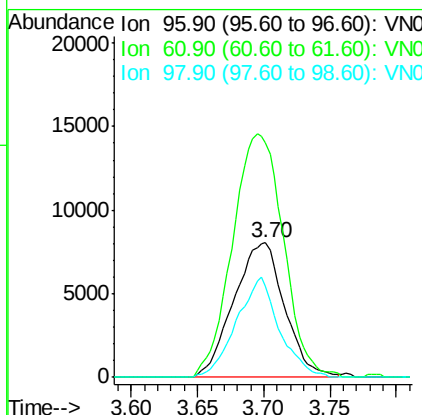
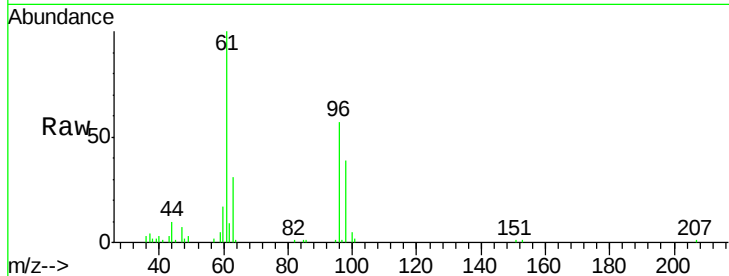
#12
 1,1-Dichloroethene
 Concen: 8.431 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.8	149.5	224.3
98	67.5	52.4	78.6

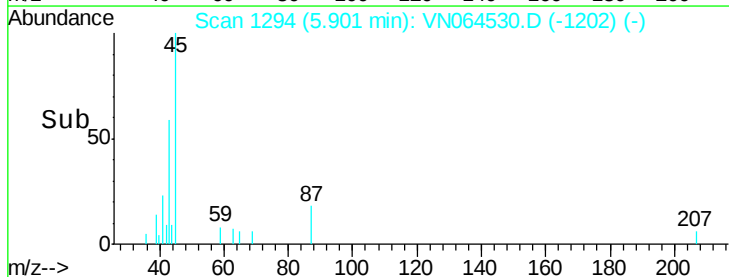
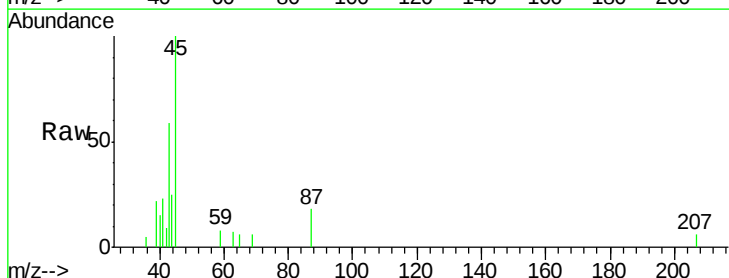
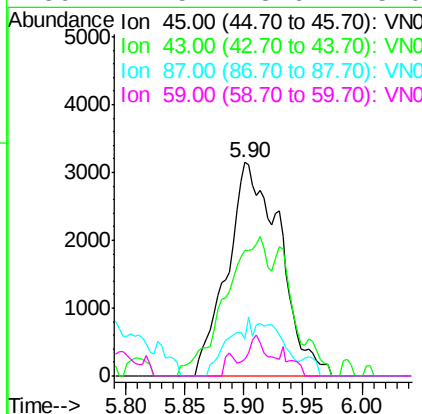
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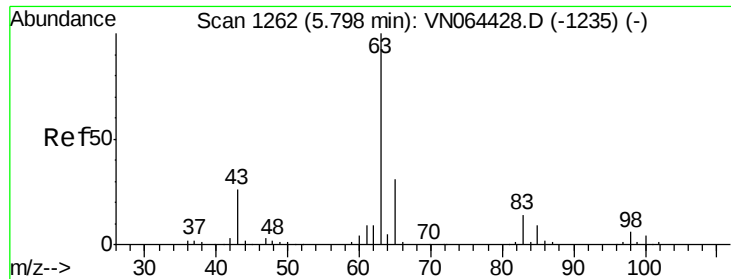
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#22
 Diisopropyl ether
 Concen: 0.923 ug/l m
 RT: 5.90 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.8	53.2	79.8
87	17.5	19.9	29.9#
59	7.5	8.6	13.0#





#24

1,1-Dichloroethane

Concen: 27.688 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

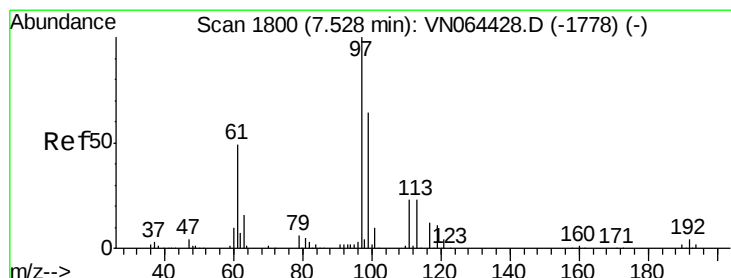
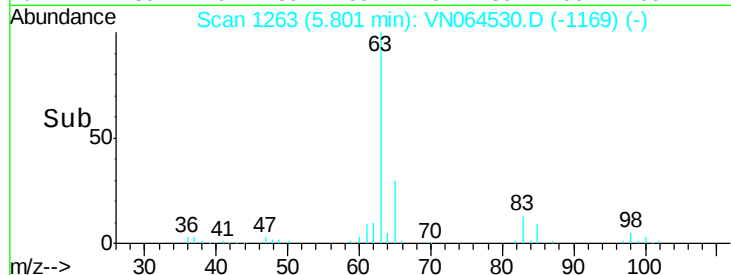
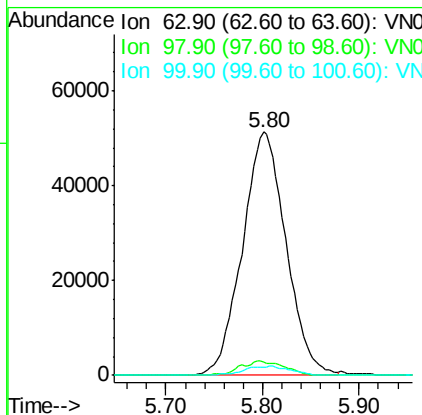
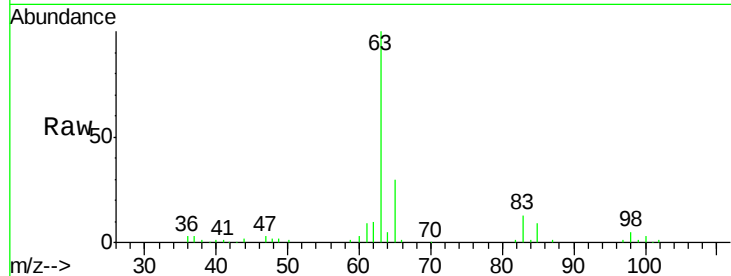
ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion:	63	Resp:	160629
Ion Ratio		Lower	Upper
63	100		
98	5.5	3.0	9.2
100	3.2	1.8	5.3

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#32

1,1,1-Trichloroethane

Concen: 1.580 ug/l

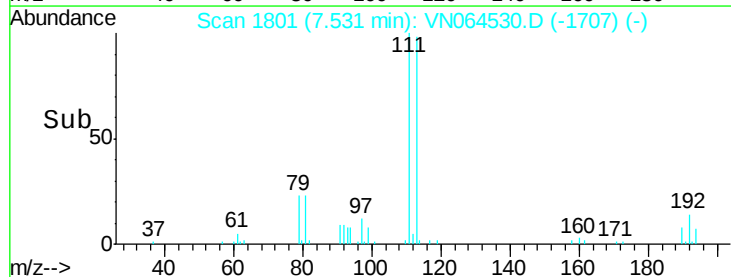
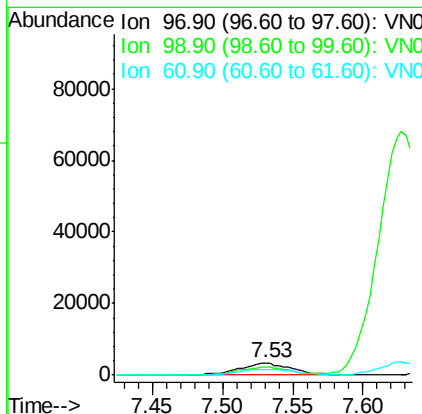
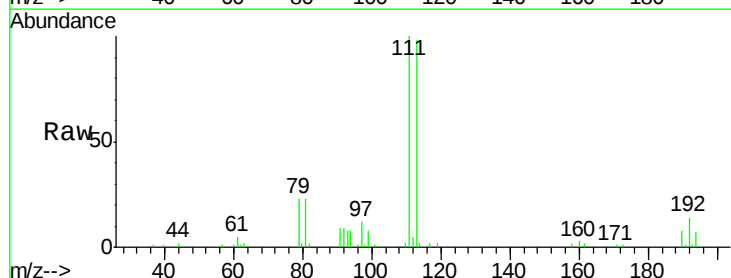
RT: 7.53 min Scan# 1801

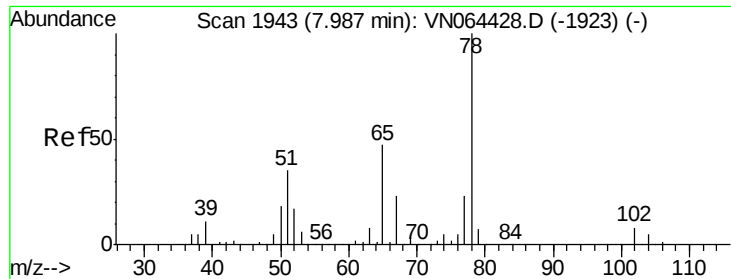
Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Tgt Ion:	97	Resp:	8548
Ion Ratio		Lower	Upper
97	100		
99	66.9	51.3	76.9
61	51.1	39.1	58.7





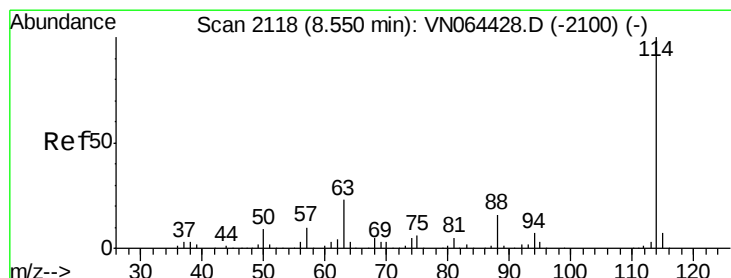
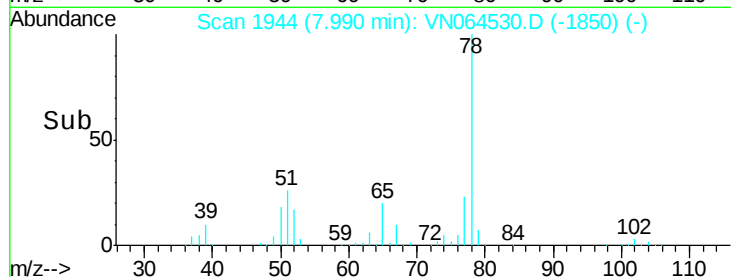
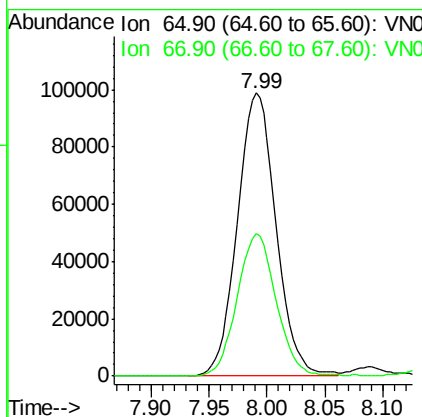
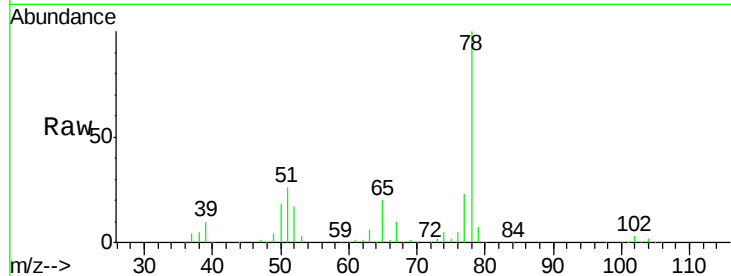
#33
 1,2-Dichloroethane-d4
 Concen: 55.406 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229424		
67	50.8	0.0	101.6	

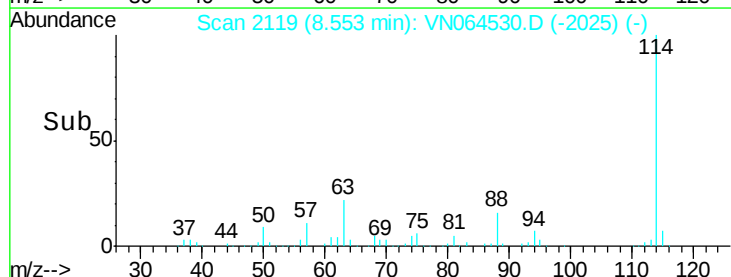
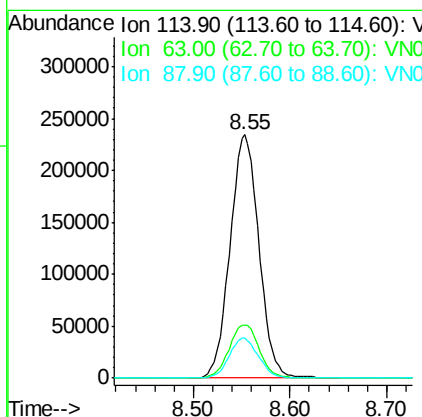
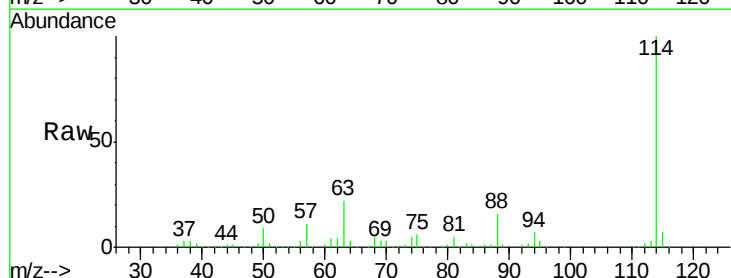
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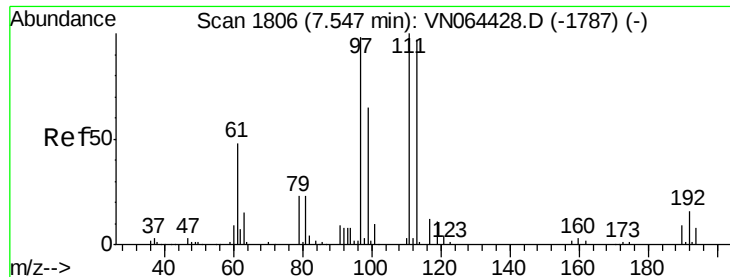
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	486628		
63	21.9	0.0	45.6	
88	16.2	0.0	32.8	





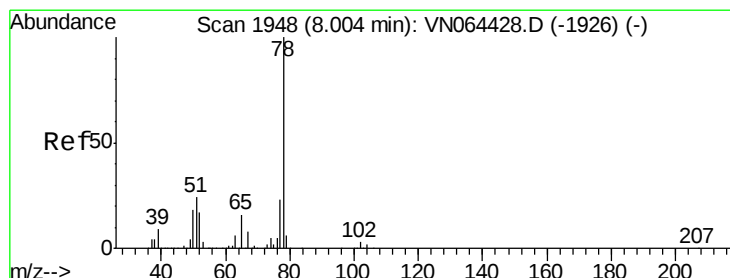
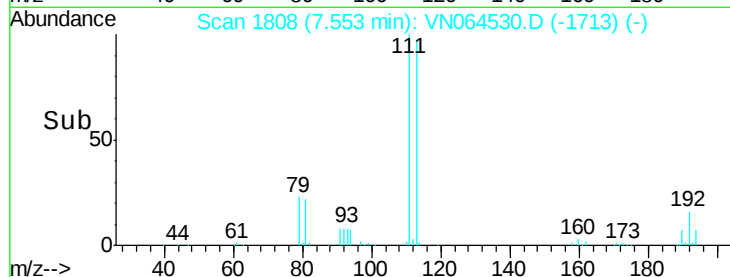
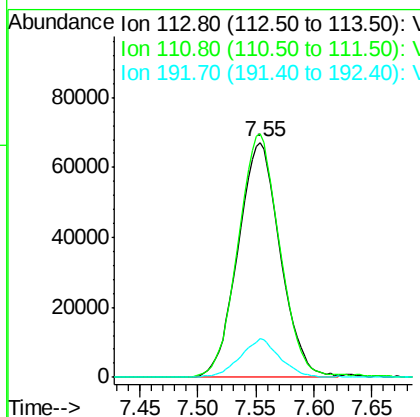
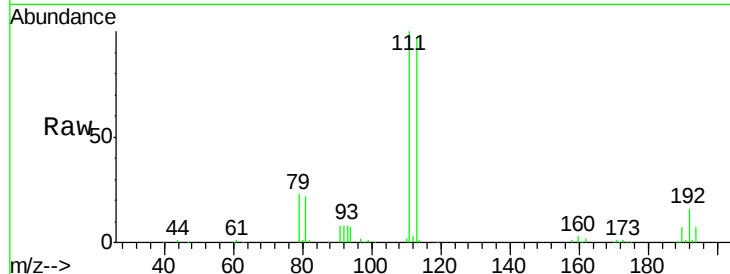
#35
 Dibromofluoromethane
 Concen: 51.375 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-478-480

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	15.5	12.8	19.2

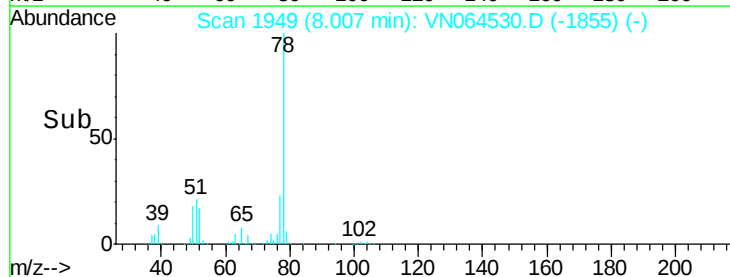
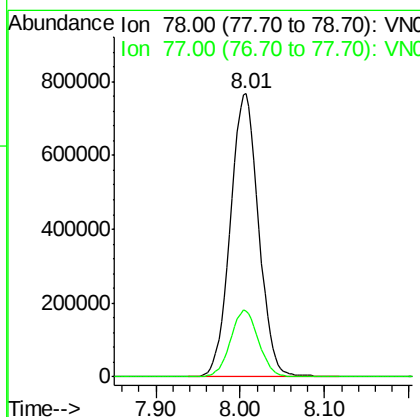
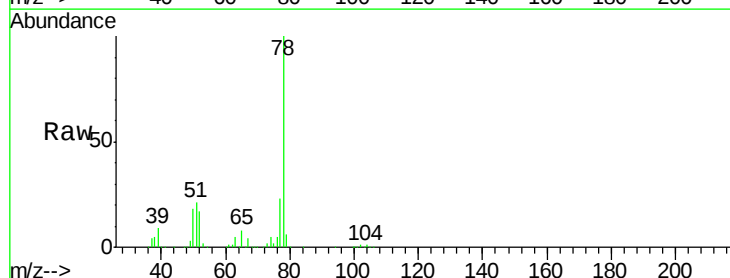
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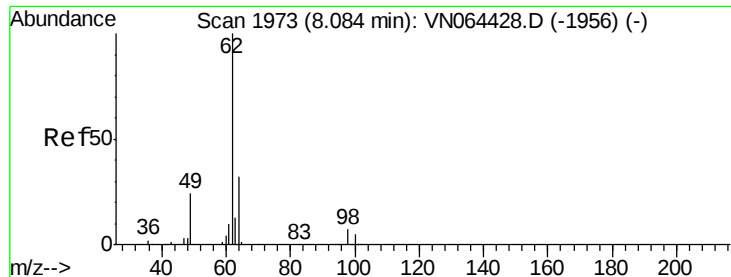
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#40
 Benzene
 Concen: 118.406 ug/l
 RT: 8.01 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: VN064530.D
 Acq: 10 Nov 2020 17:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





#42

1,2-Dichloroethane

Concen: 21.962 ug/l

RT: 8.09 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

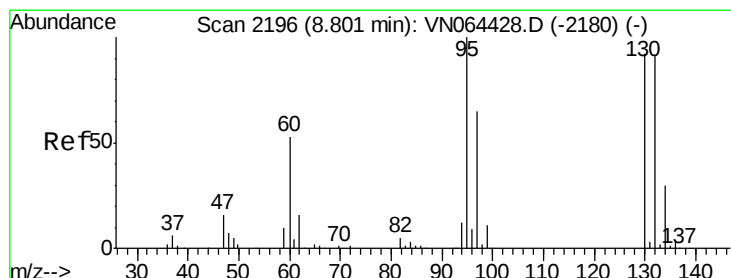
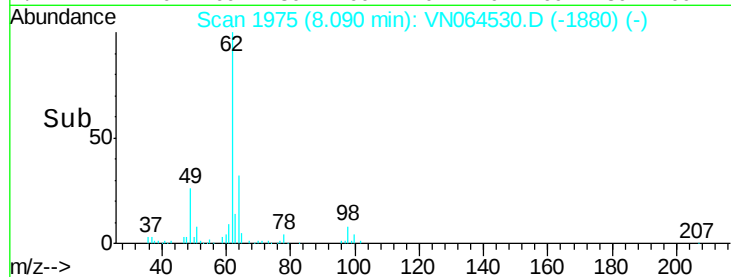
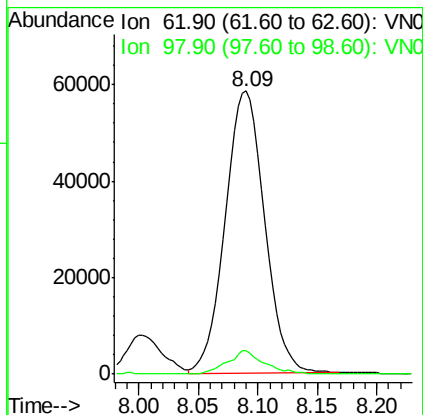
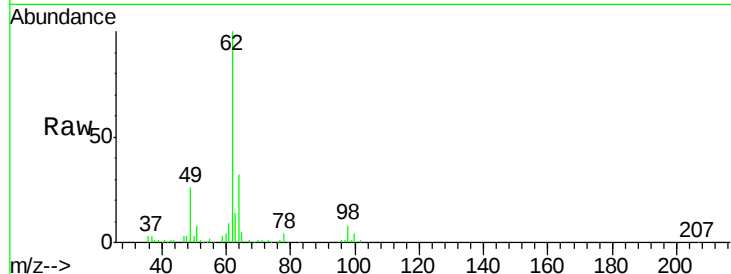
ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion	Ratio	Resp	Lower	Upper
62	100	133890		
98	7.7	0.0	14.0	

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#44

Trichloroethene

Concen: 3.332 ug/l

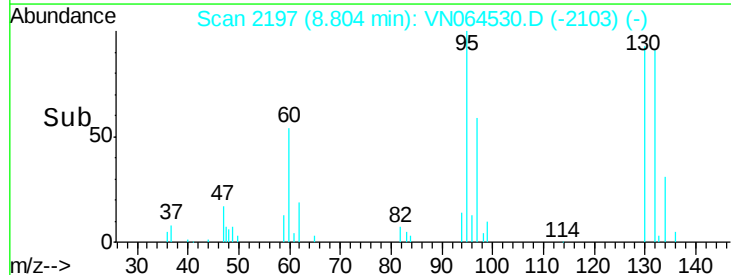
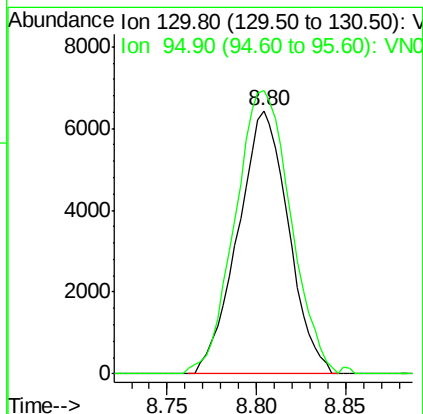
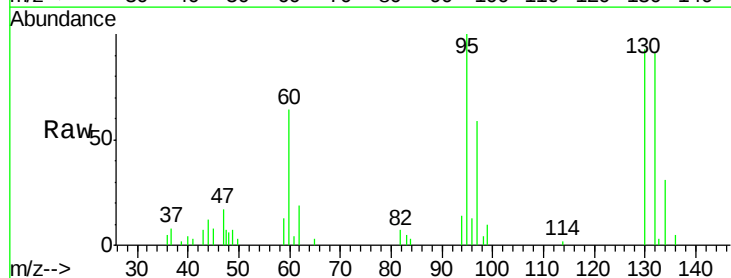
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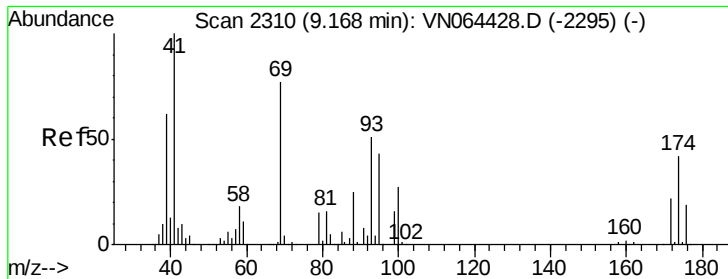
Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	12701		
95	107.7	0.0	216.8	





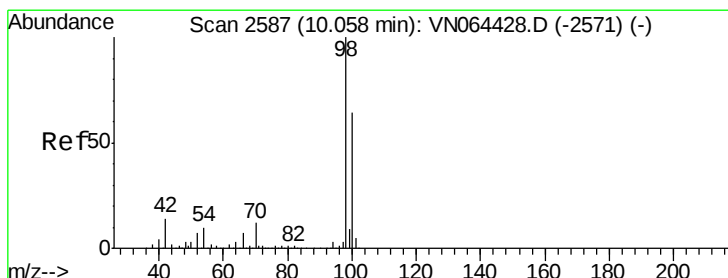
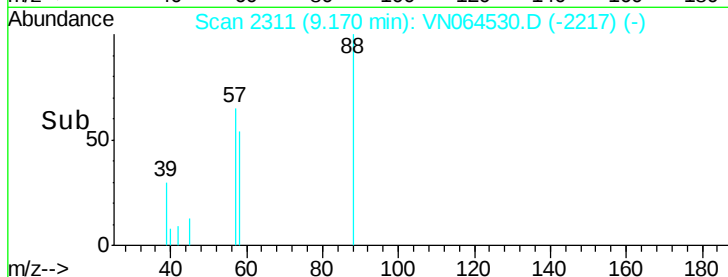
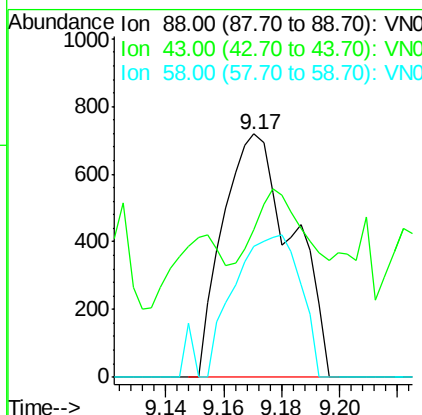
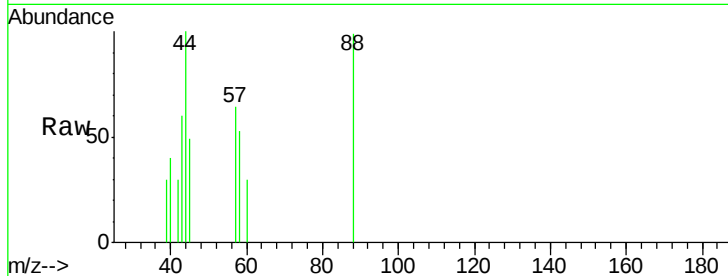
#49
1,4-Dioxane
Concen: 21.581 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

Tot Ion: 88 Resp: 1195
Ion Ratio Lower Upper
88 100
43 17.4 31.0 46.6#
58 55.7 58.4 87.6#

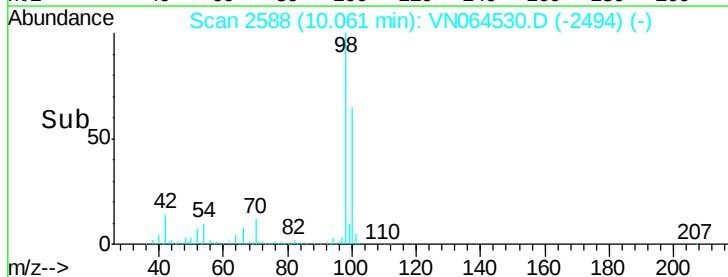
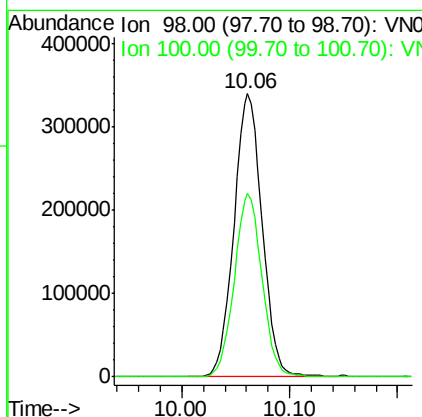
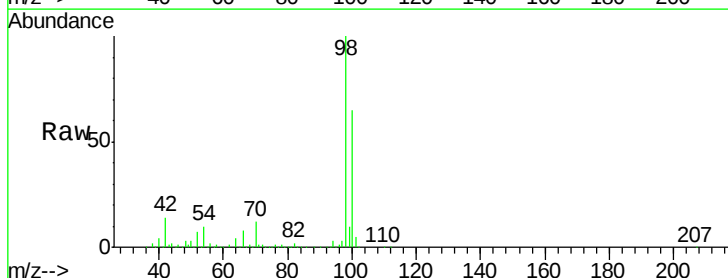
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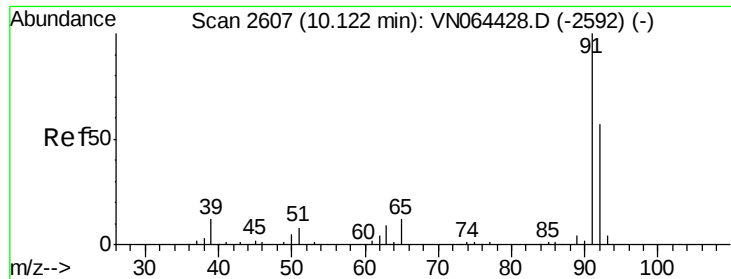
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11/11/2020 1:01:53 PM



#50
Toluene-d8
Concen: 48.405 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion: 98 Resp: 619860
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1





#52

Toluene

Concen: 0.901 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion: 92 Resp: 8305

Ion Ratio Lower Upper

92 100

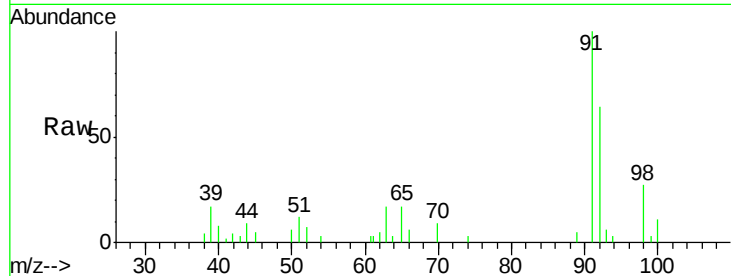
91 159.1 139.6 209.4

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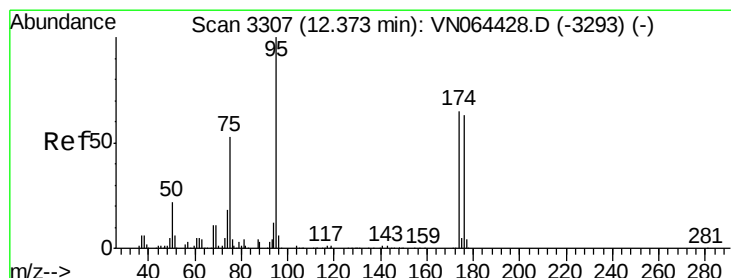
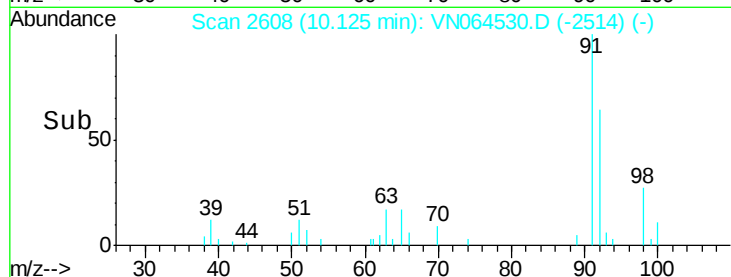
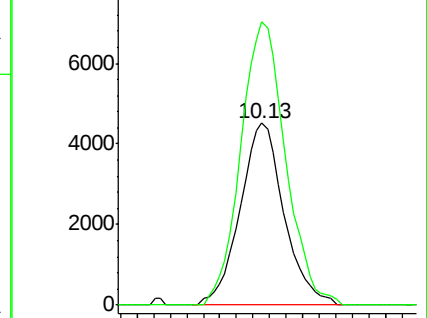
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.384 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

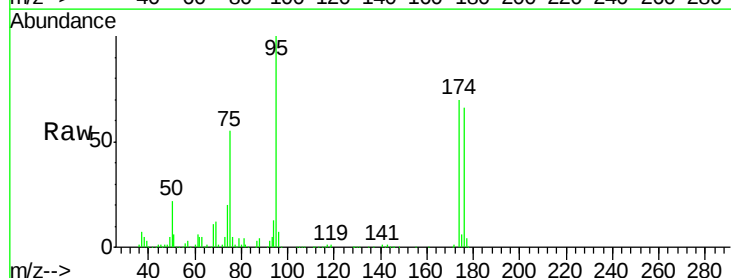
Tgt Ion: 95 Resp: 244009

Ion Ratio Lower Upper

95 100

174 70.6 0.0 132.6

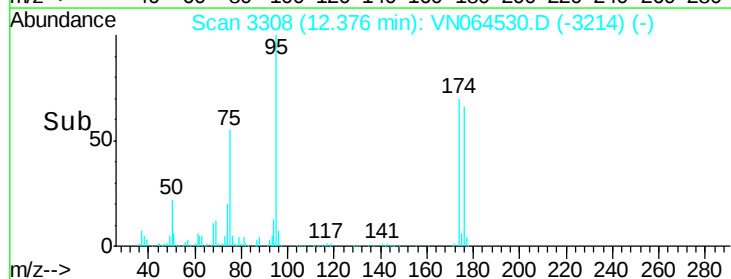
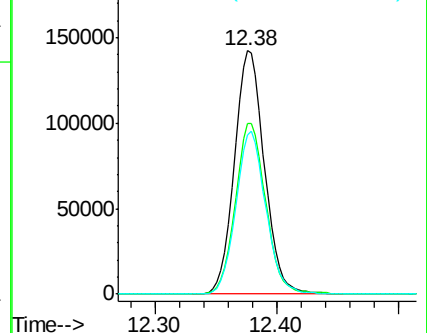
176 66.6 0.0 129.2

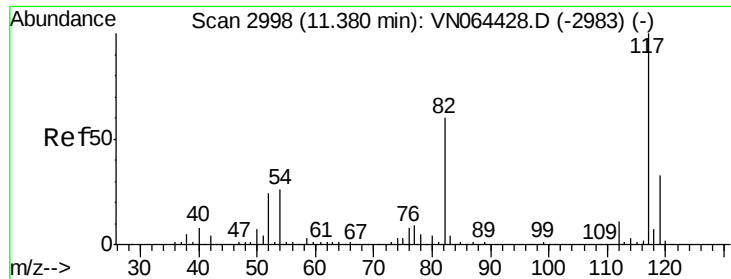


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Instrument :

MSVOA_N

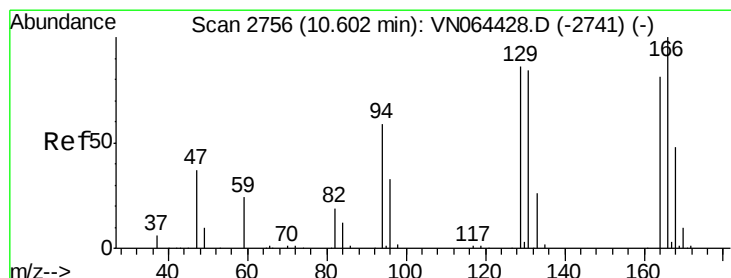
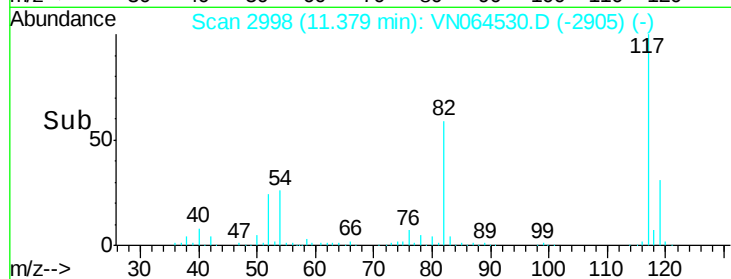
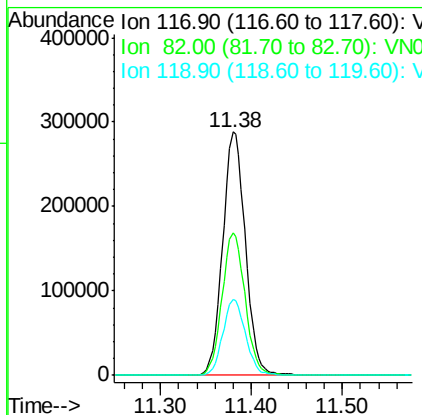
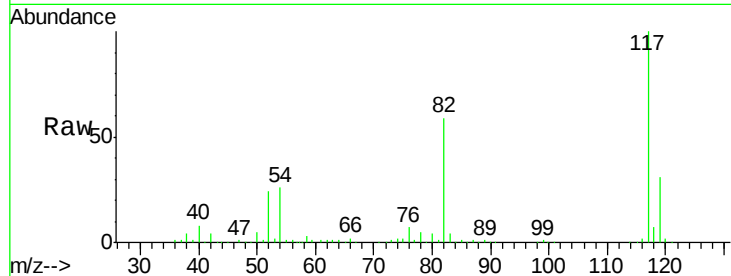
ClientSampleId :

BP-VPB178-GW-478-480

Tot Ion:	117	Resp:	500267
Ion Ratio	Lower	Upper	
117	100		
82	58.6	48.1	72.1
119	31.2	26.2	39.4

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#64

Tetrachloroethene

Concen: 0.919 ug/l

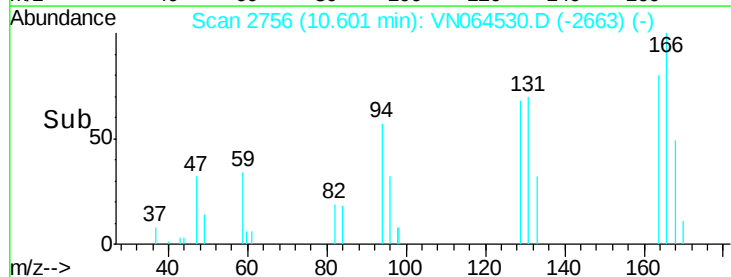
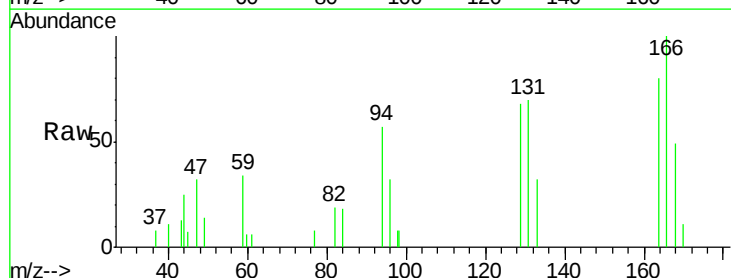
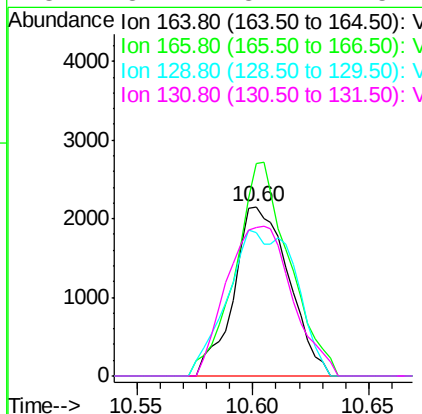
RT: 10.60 min Scan# 2756

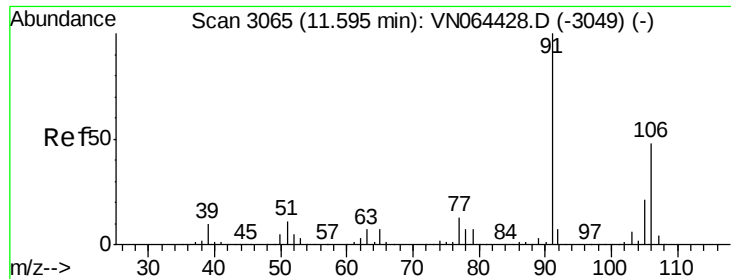
Delta R.T. -0.00 min

Lab File: VN064530.D

Acq: 10 Nov 2020 17:00

Tgt Ion:	164	Resp:	3540
Ion Ratio	Lower	Upper	
164	100		
166	125.0	98.2	147.2
129	84.9	84.6	127.0
131	87.7	82.2	123.2





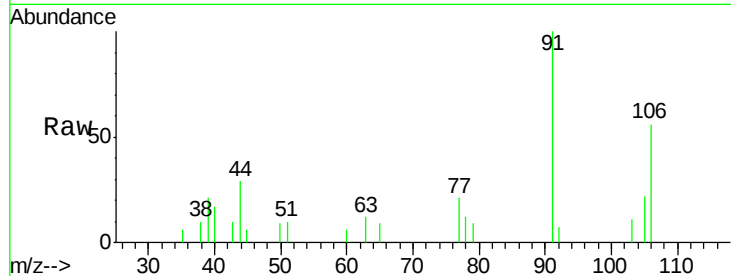
#68
m/p-Xylenes
Concen: 0.370 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

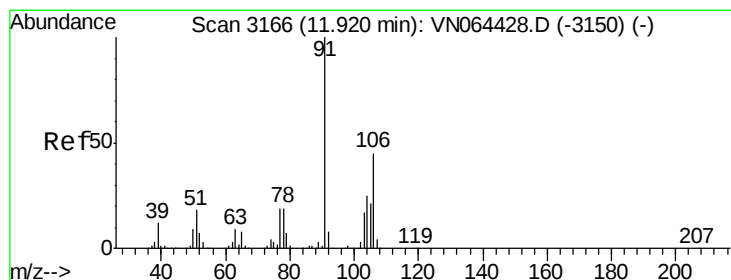
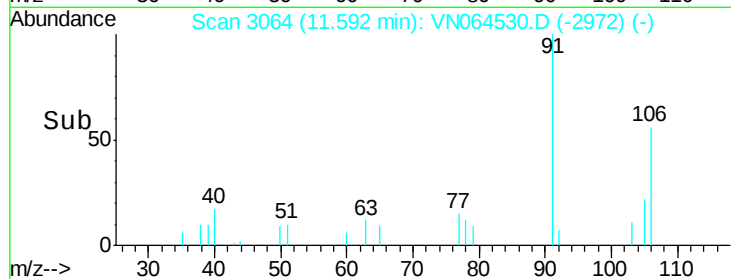
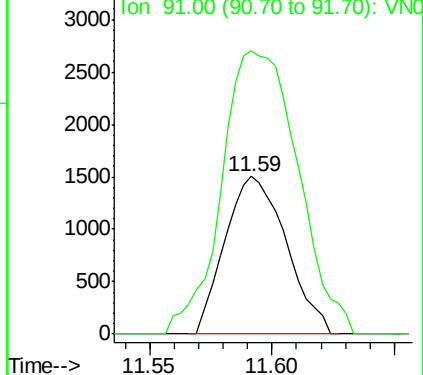
Tot Ion:106 Resp: 2621
Ion Ratio Lower Upper
106 100
91 224.0 169.4 254.2

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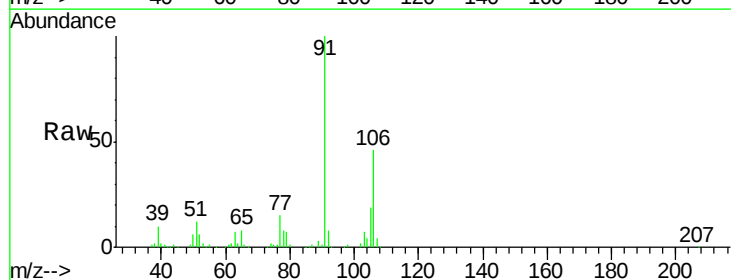


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

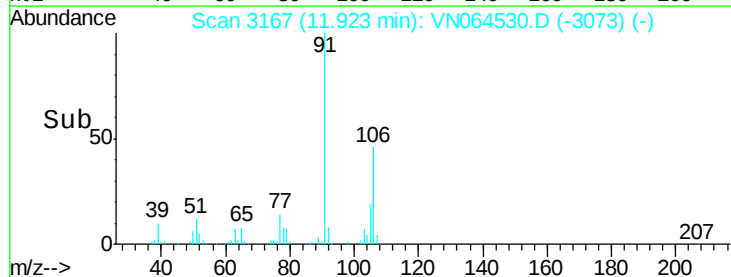
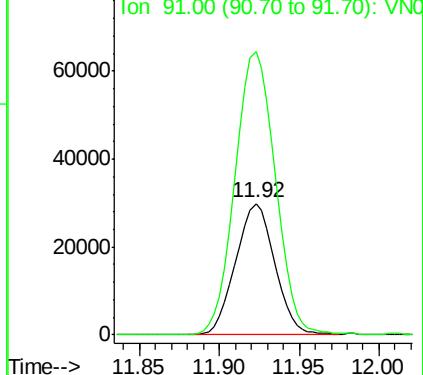


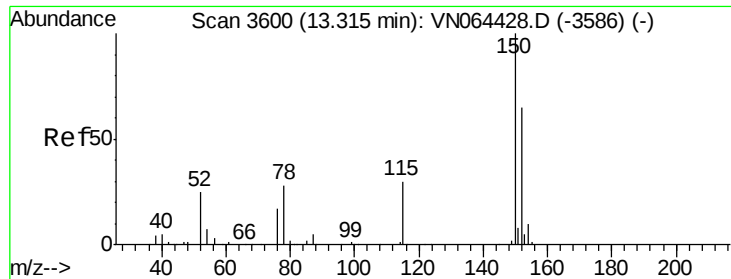
#69
o-Xylene
Concen: 7.293 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion:106 Resp: 49859
Ion Ratio Lower Upper
106 100
91 221.8 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





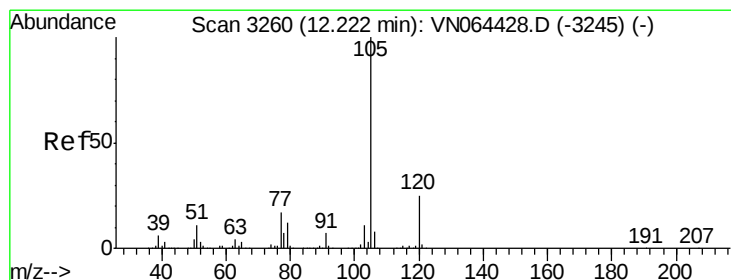
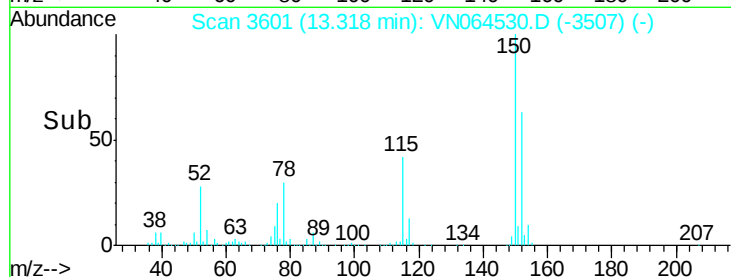
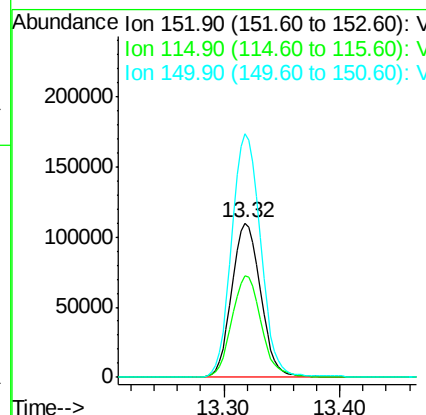
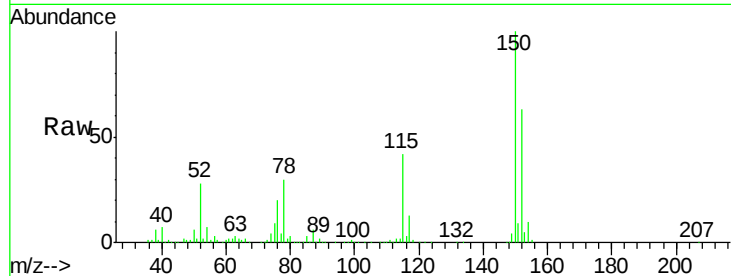
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-478-480

Tot Ion	Ratio	Resp	Lower	Upper
152	100	190539		
115	66.6	32.0	96.0	
150	157.4	0.0	353.8	

Manual Integrations
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#73
Isopropylbenzene
Concen: 2.606 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064530.D
Acq: 10 Nov 2020 17:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	39462		
120	28.0	12.8	38.3	

