

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064500.D
 Acq On : 6 Nov 2020 22:05
 Operator : JC/MD
 Sample : L4636-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP-2-AU

Quant Time: Nov 07 04:56:05 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	234334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	501089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	527123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198367	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	234431	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	7.55	113	168231	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.06	98	651926	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.38	95	246180	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	

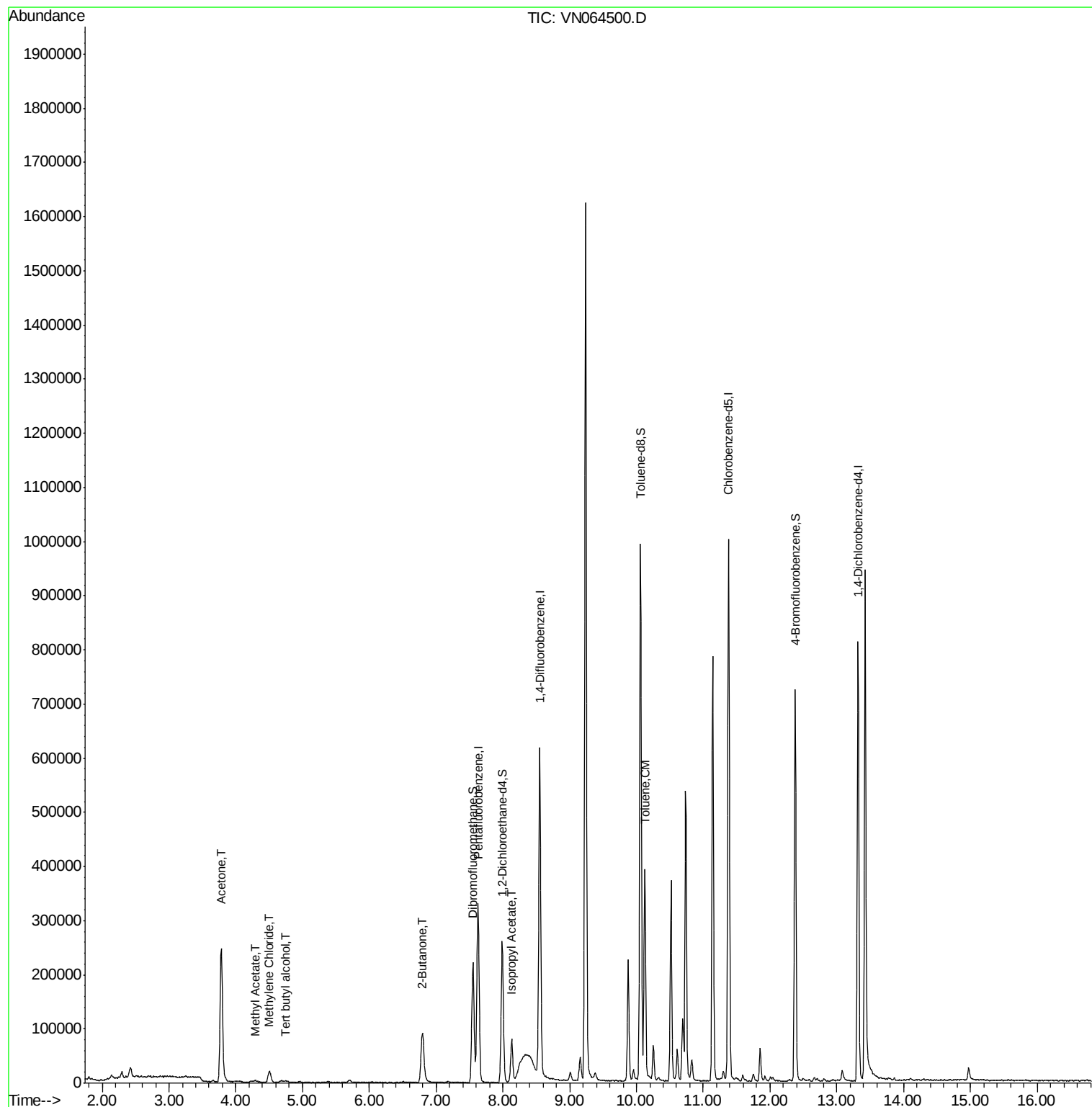
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	5293	11.759	ug/l #	86
16) Acetone	3.78	43	429830	276.452	ug/l	99
18) Methyl Acetate	4.29	43	8018	2.623	ug/l #	69
20) Methylene Chloride	4.50	84	14450	4.684	ug/l	93
25) 2-Butanone	6.80	43	67368	34.006	ug/l	94
43) Isopropyl Acetate	8.13	43	96537	11.253	ug/l	99
52) Toluene	10.13	92	159403	16.801	ug/l	97

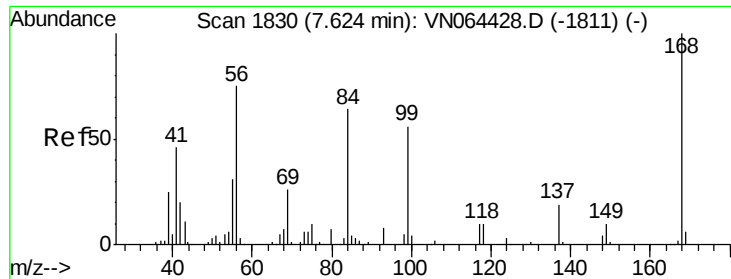
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064500.D

Acq: 6 Nov 2020 22:05

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ClientSampleId :

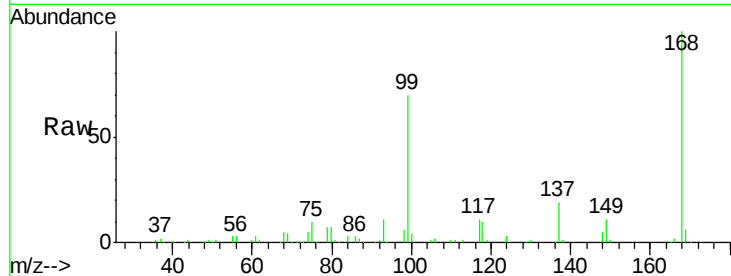
DRUM-COMP-2-AU

Tot Ion:168 Resp: 234334

Ion Ratio Lower Upper

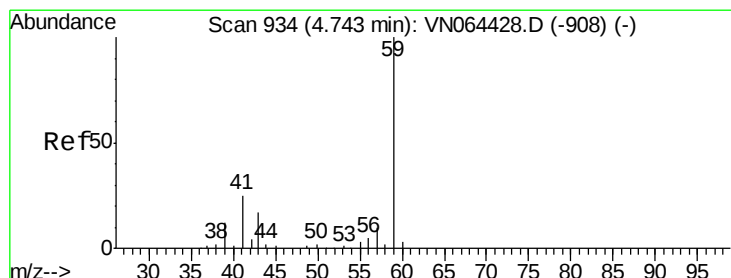
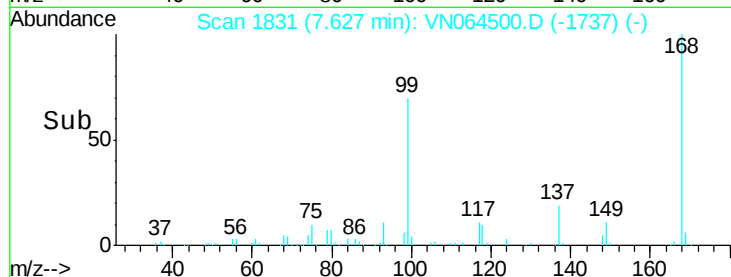
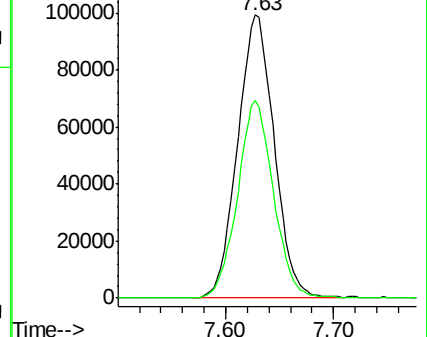
168 100

99 69.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 11.759 ug/l

RT: 4.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN064500.D

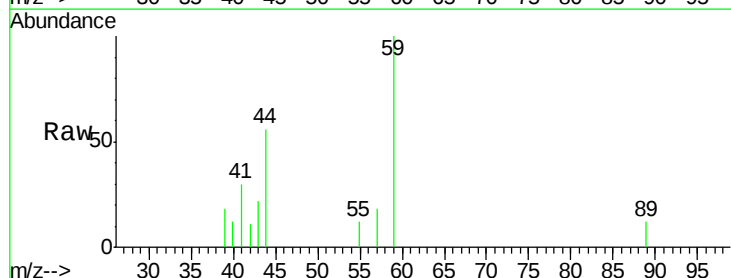
Acq: 6 Nov 2020 22:05

Tgt Ion: 59 Resp: 5293

Ion Ratio Lower Upper

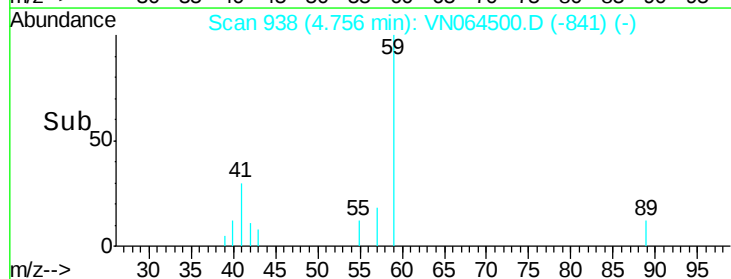
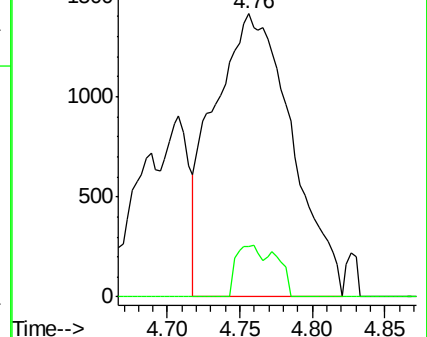
59 100

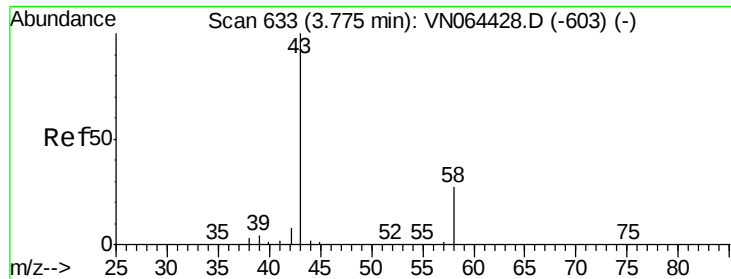
57 5.8 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

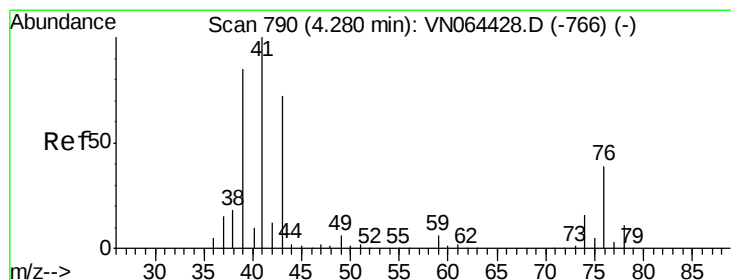
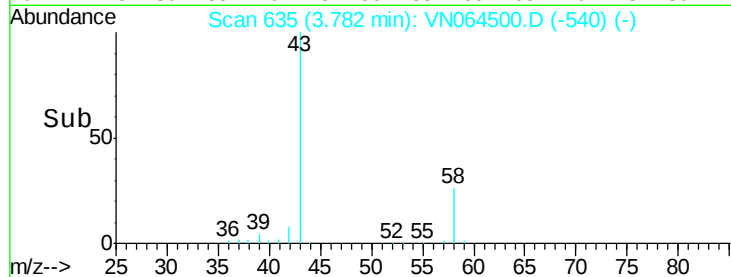
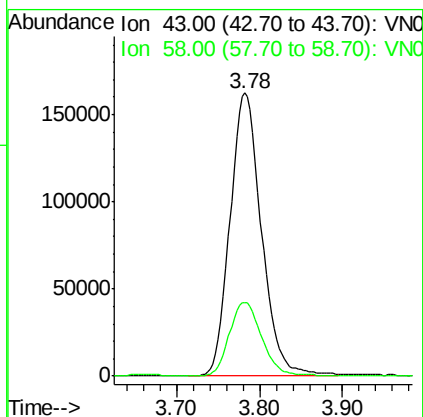
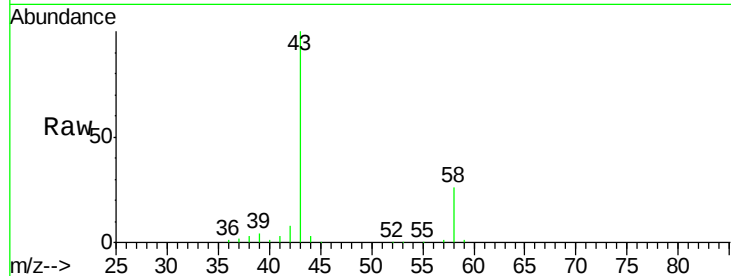




#16
Acetone
Concen: 276.452 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064500.D
Acq: 6 Nov 2020 22:05

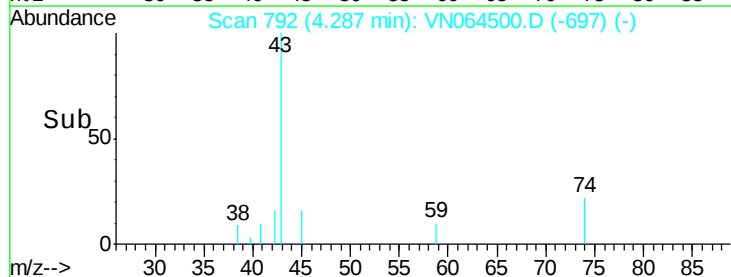
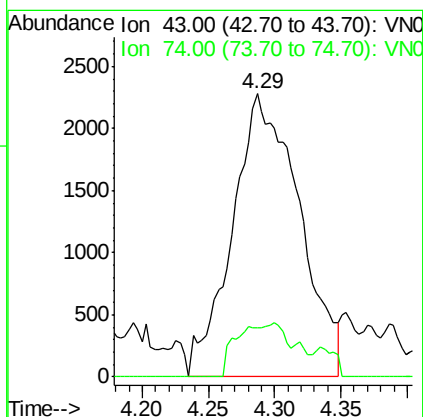
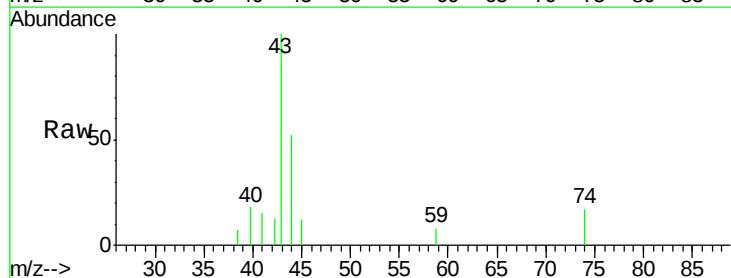
Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2-AU

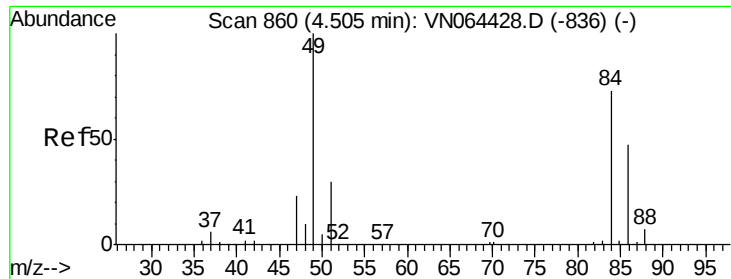
Tot Ion: 43 Resp: 429830
Ion Ratio Lower Upper
43 100
58 26.1 21.4 32.0



#18
Methyl Acetate
Concen: 2.623 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064500.D
Acq: 6 Nov 2020 22:05

Tgt Ion: 43 Resp: 8018
Ion Ratio Lower Upper
43 100
74 6.6 17.0 25.4#

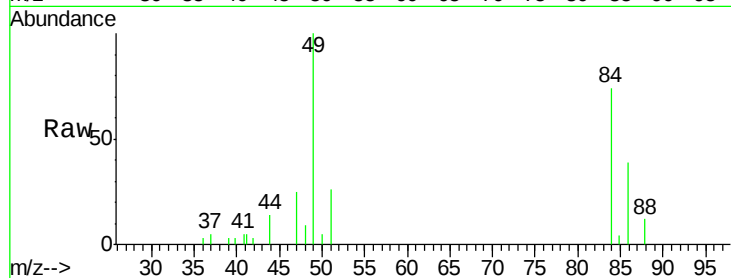




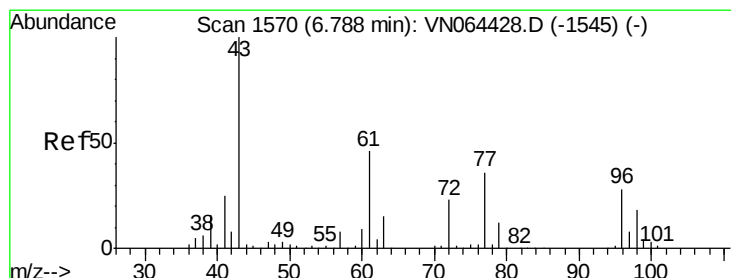
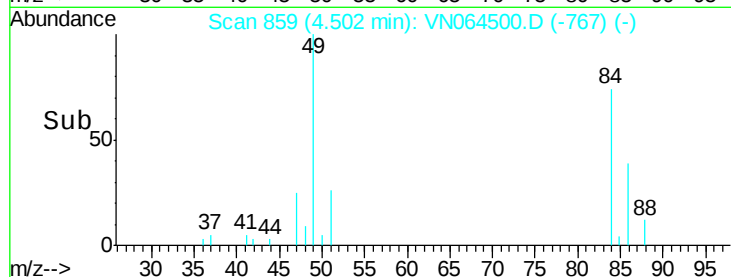
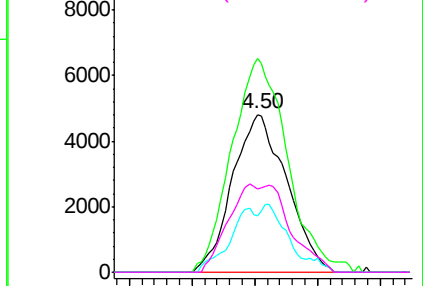
#20
Methvlene Chloride
Concen: 4.684 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064500.D
Acq: 6 Nov 2020 22:05

Instrument :
MSVOA_N
ClientSampleId :
DRUM-COMP-2-AU

Tot Ion:	84	Resp:	14450
Ion	Ratio	Lower	Upper
84	100		
49	135.6	110.1	165.1
51	35.4	33.6	50.4
86	53.1	52.1	78.1

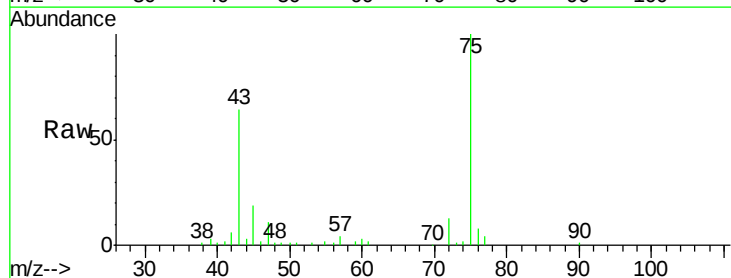


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

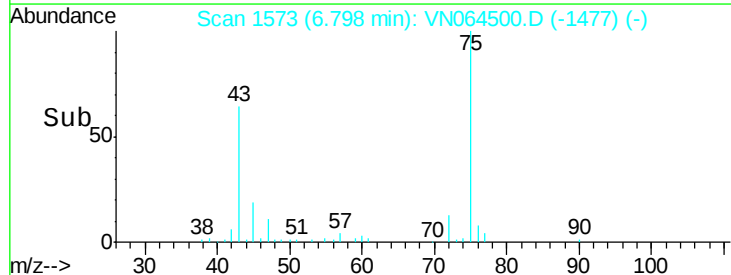
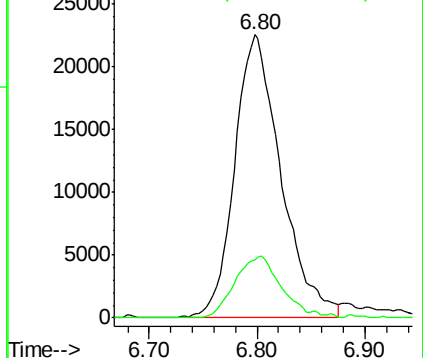


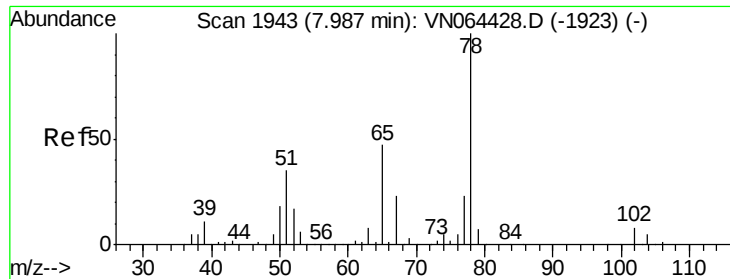
#25
2-Butanone
Concen: 34.006 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN064500.D
Acq: 6 Nov 2020 22:05

Tgt Ion:	43	Resp:	67368
Ion	Ratio	Lower	Upper
43	100		
72	20.3	18.5	27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

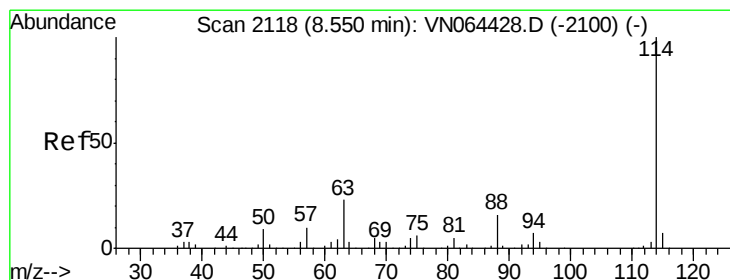
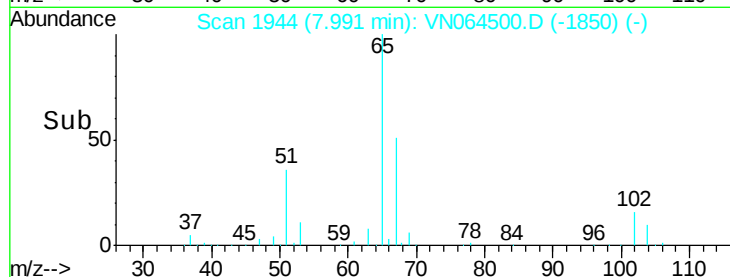
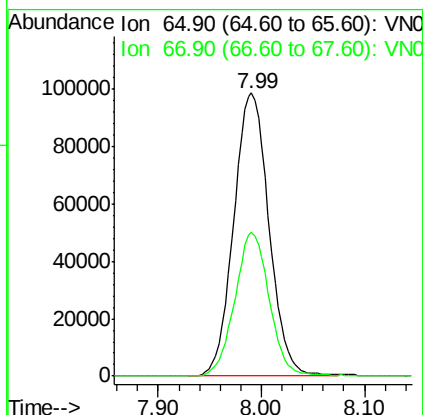
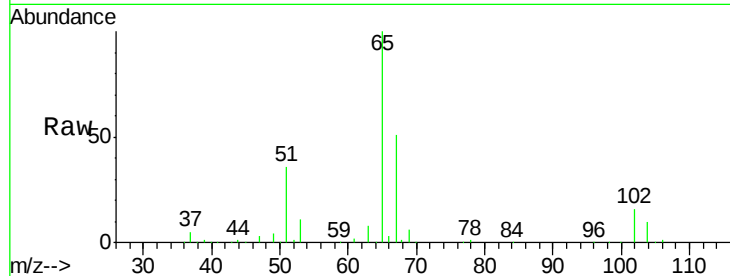




#33
 1,2-Dichloroethane-d4
 Concen: 57.434 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064500.D
 Acq: 6 Nov 2020 22:05

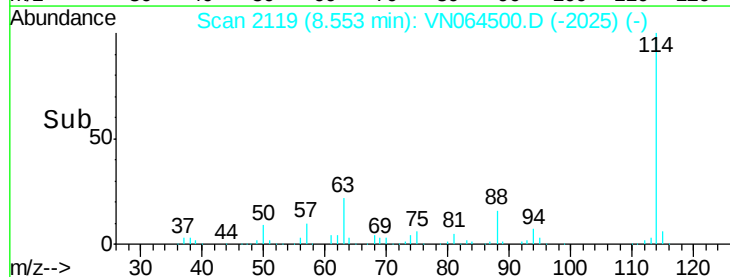
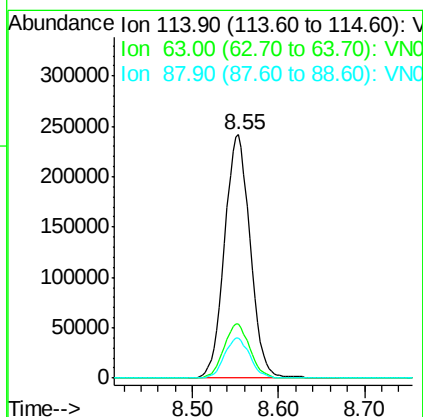
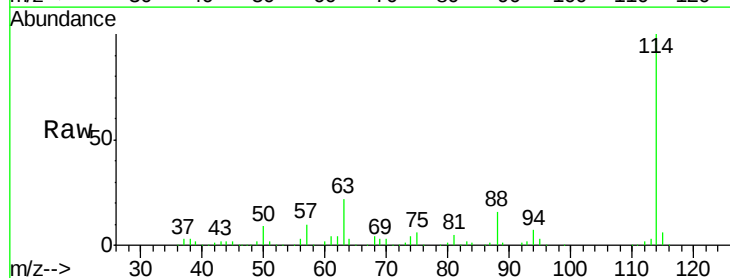
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-COMP-2-AU

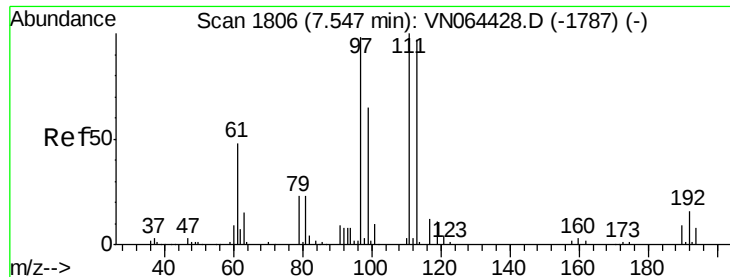
Tot Ion: 65 Resp: 234431
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064500.D
 Acq: 6 Nov 2020 22:05

Tgt Ion: 114 Resp: 501089
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 16.3 0.0 32.8

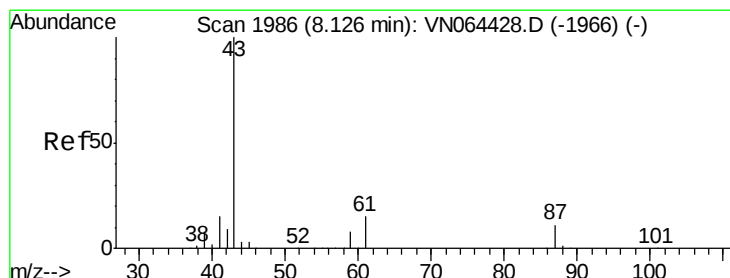
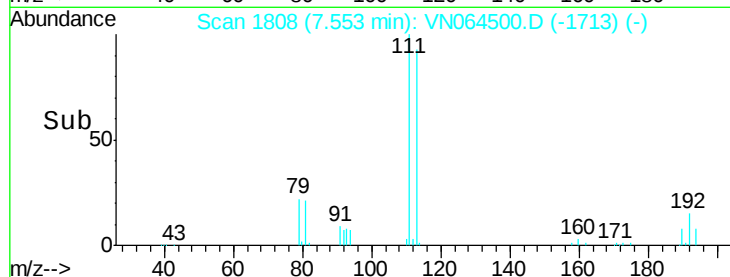
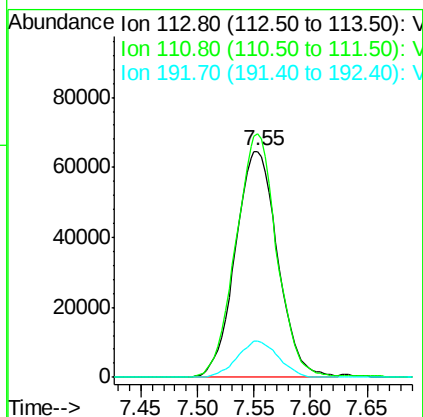
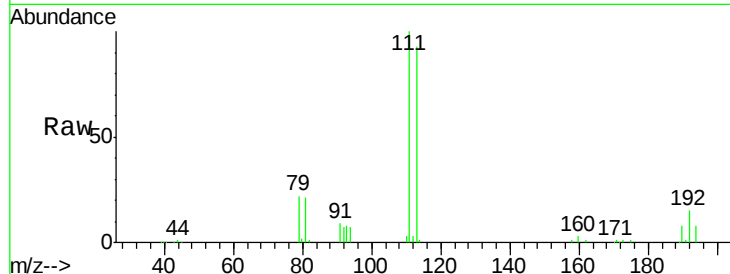




#35
 Dibromofluoromethane
 Concen: 49.310 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064500.D
 Acq: 6 Nov 2020 22:05

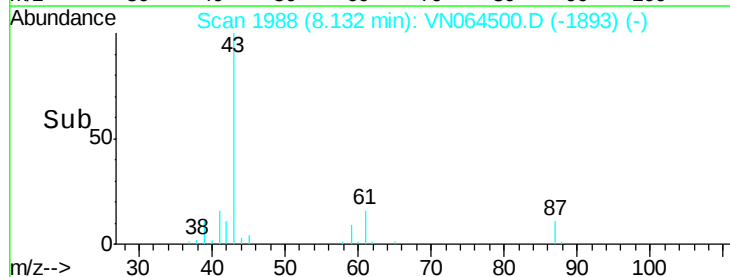
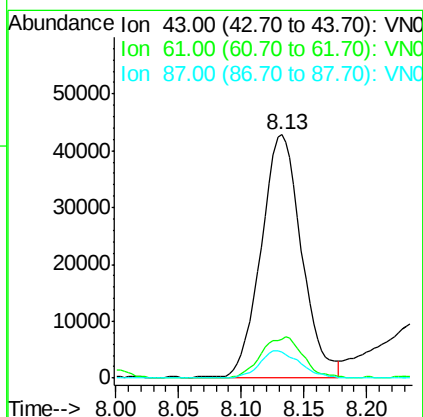
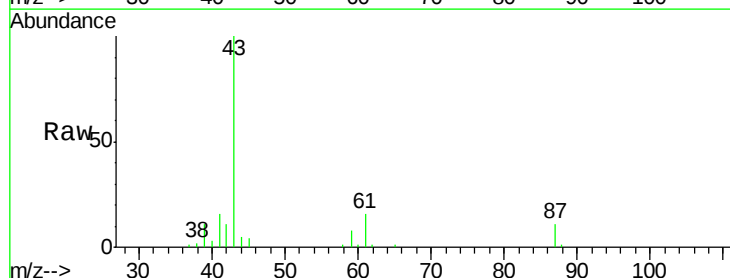
Instrument :
 MSVOA_N
 ClientSampleId :
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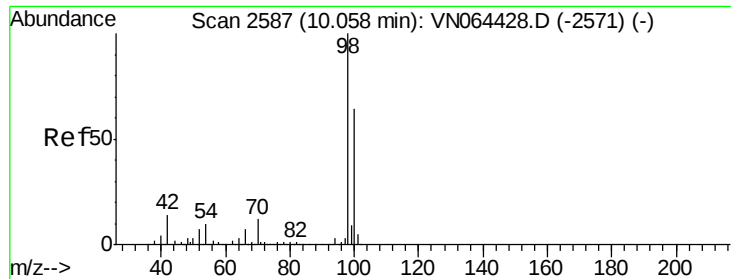
Tot Ion:113 Resp: 168231
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.1 121.7
 192 15.7 12.8 19.2



#43
 Isopropyl Acetate
 Concen: 11.253 ug/l
 RT: 8.13 min Scan# 1988
 Delta R.T. 0.01 min
 Lab File: VN064500.D
 Acq: 6 Nov 2020 22:05

Tgt Ion: 43 Resp: 96537
 Ion Ratio Lower Upper
 43 100
 61 17.6 14.0 21.0
 87 11.0 9.1 13.7





#50

Toluene-d8

Concen: 49.439 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064500.D

Acq: 6 Nov 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

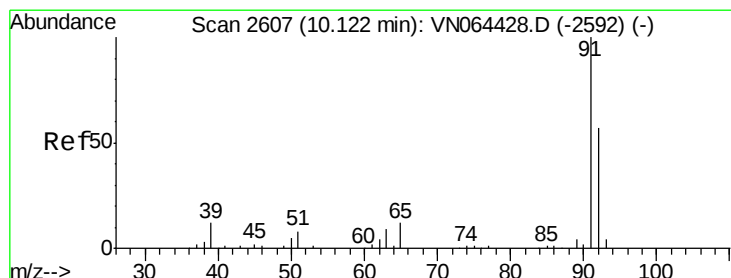
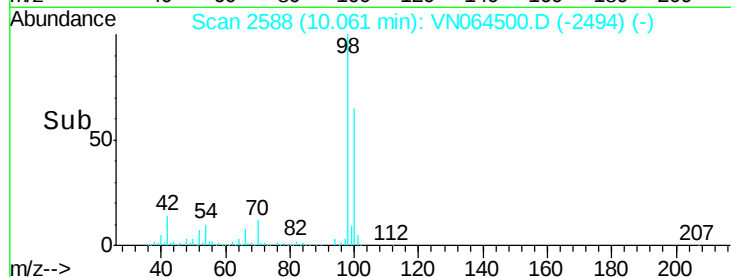
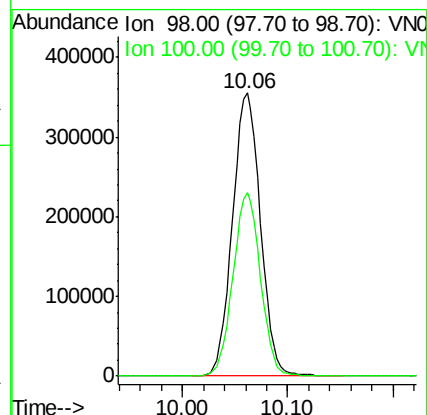
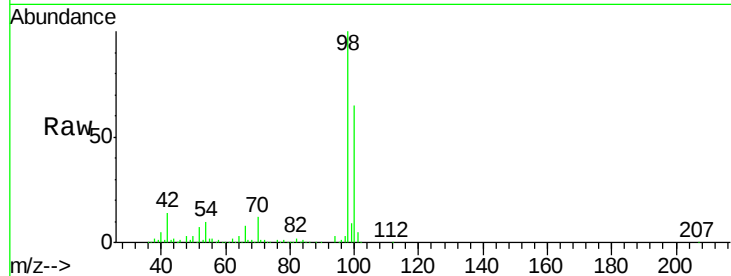
DRUM-COMP-2-AU

Tot Ion: 98 Resp: 651926

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#52

Toluene

Concen: 16.801 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064500.D

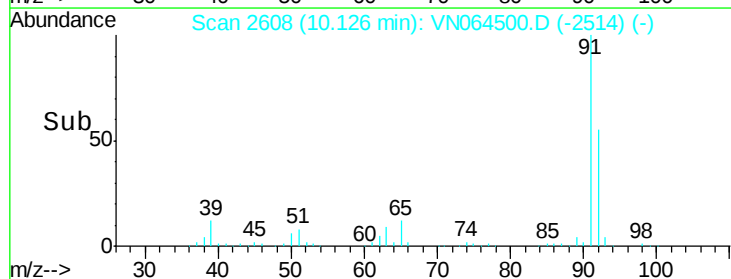
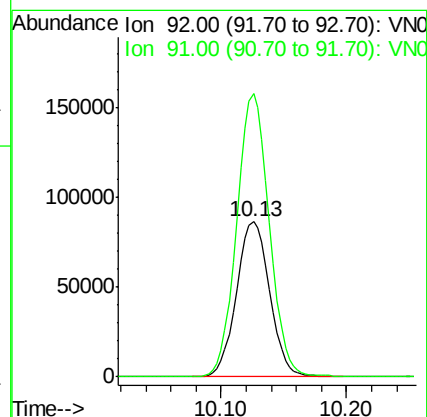
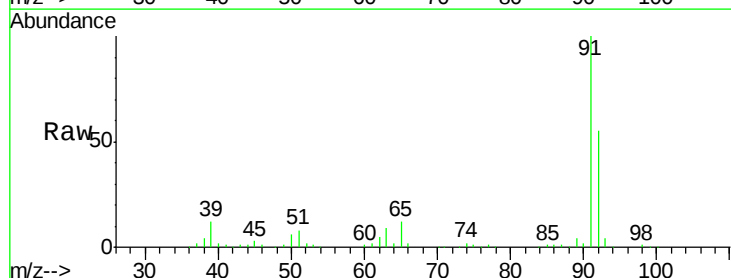
Acq: 6 Nov 2020 22:05

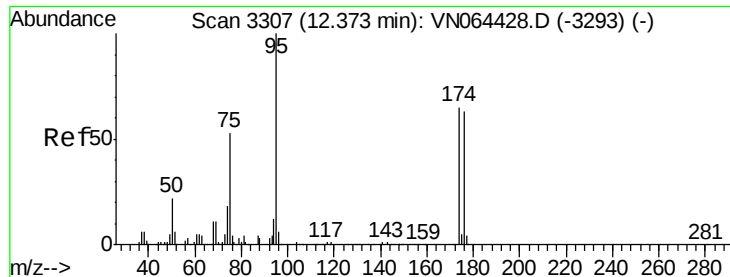
Tgt Ion: 92 Resp: 159403

Ion Ratio Lower Upper

92 100

91 178.1 139.6 209.4





#62

4-Bromofluorobenzene

Concen: 49.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064500.D

Acq: 6 Nov 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP-2-AU

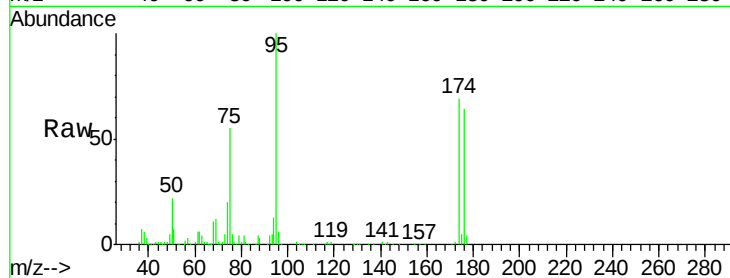
Tot Ion: 95 Resp: 246180

Ion Ratio Lower Upper

95 100

174 70.6 0.0 132.6

176 66.5 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)

12.38

150000

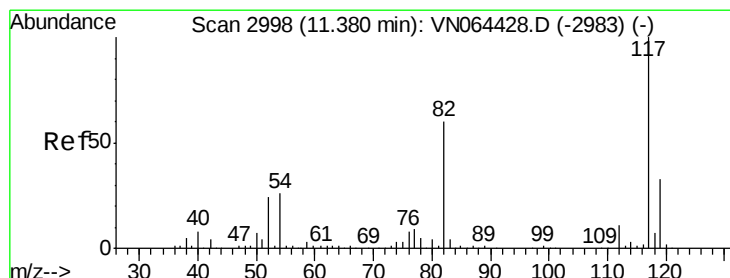
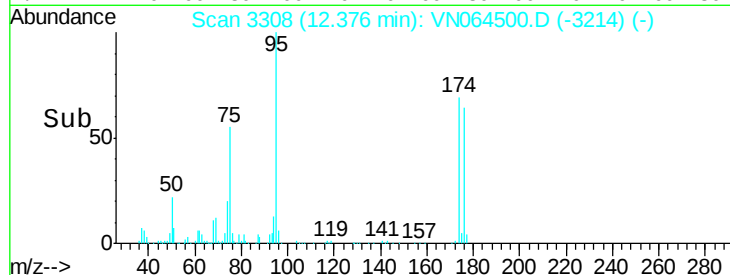
100000

50000

0

Time-->

12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064500.D

Acq: 6 Nov 2020 22:05

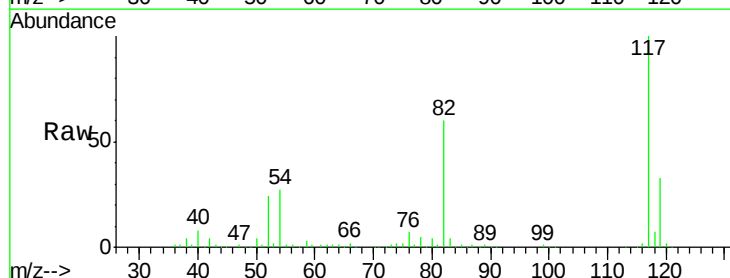
Tgt Ion: 117 Resp: 527123

Ion Ratio Lower Upper

117 100

82 59.6 48.1 72.1

119 32.9 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)

11.38

400000

300000

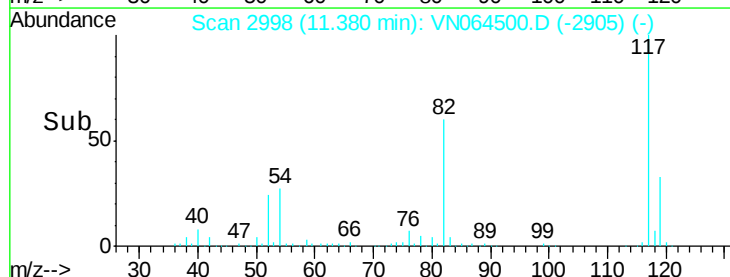
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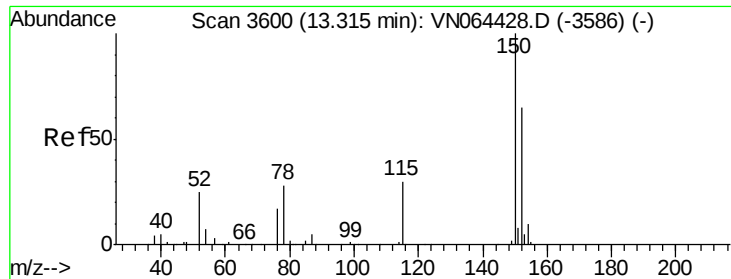
100000

0

Time-->

11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064500.D

Acq: 6 Nov 2020 22:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-COMP-2-AU

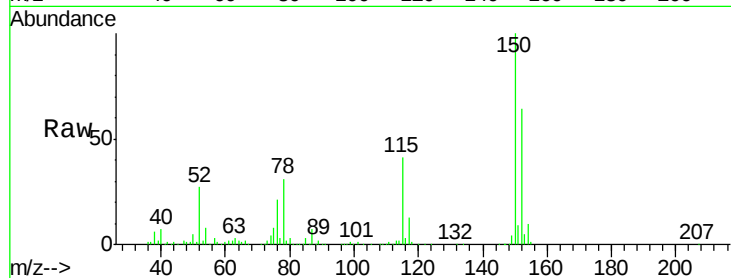
Tot Ion:152 Resp: 198367

Ion Ratio Lower Upper

152 100

115 64.6 32.0 96.0

150 159.2 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

