

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064852.D
 Acq On : 25 Nov 2020 13:05
 Operator : JC/MD
 Sample : L4889-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-TB-20201119

Quant Time: Nov 26 03:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	158240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	291532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131854	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99516	54.10	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.20%
35) Dibromofluoromethane	7.55	113	90487	53.73	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.46%
50) Toluene-d8	10.06	98	351393	51.06	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.12%
62) 4-Bromofluorobenzene	12.37	95	135465	55.00	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.00%

Target Compounds

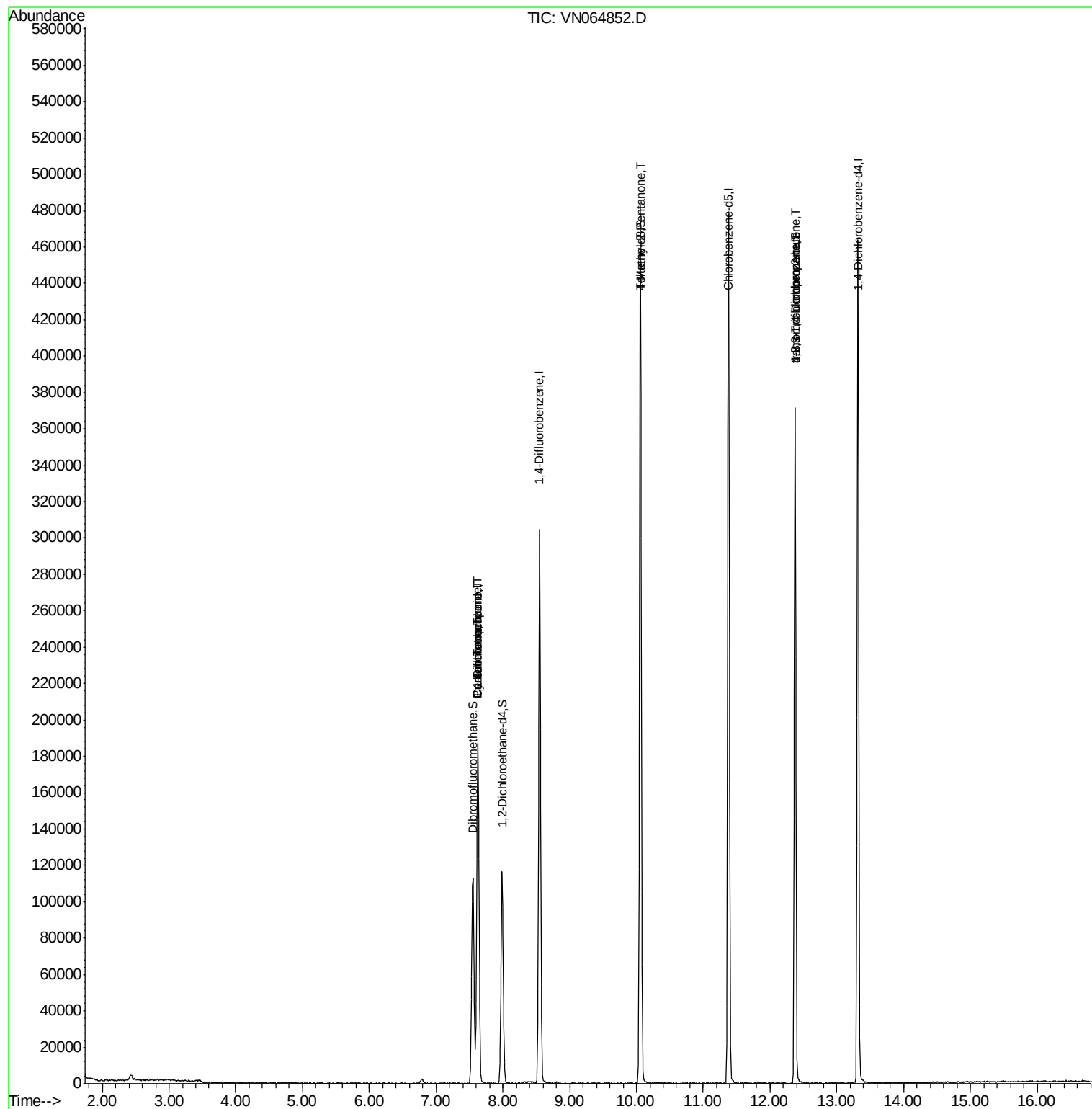
					Qvalue	
31) Cyclohexane	7.63	56	2698	1.052	ug/l	# 1
36) 1,1-Dichloropropene	7.62	75	11119	4.262	ug/l	# 49
38) Carbon Tetrachloride	7.63	117	15295	5.634	ug/l	# 16
51) 4-Methyl-2-Pentanone	10.06	43	1360	0.560	ug/l	# 1
76) 1,2,3-Trichloropropane	12.38	75	62659	22.066	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.38	75	62659	60.478	ug/l	# 15

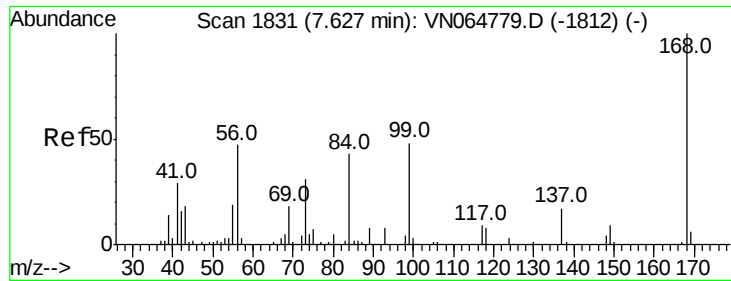
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064852.D

Acq: 25 Nov 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

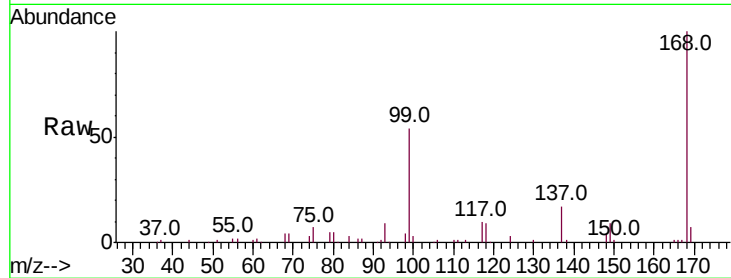
BP-VPB178-TB-20201119

Tot Ion:168 Resp: 158240

Ion Ratio Lower Upper

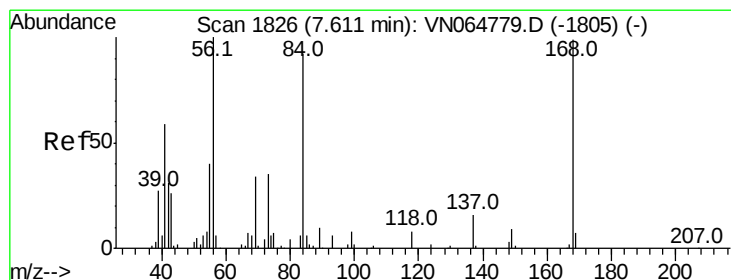
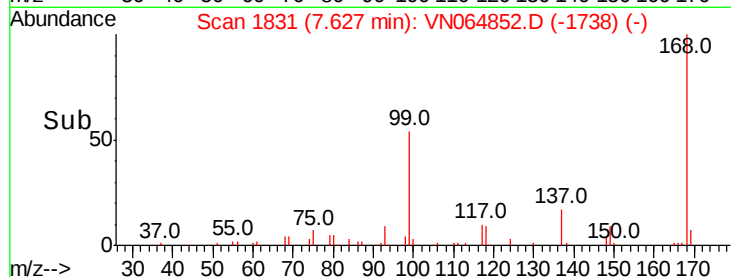
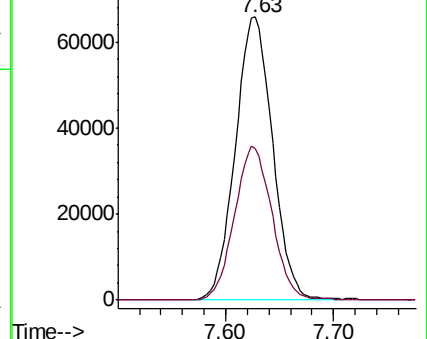
168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 1.052 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

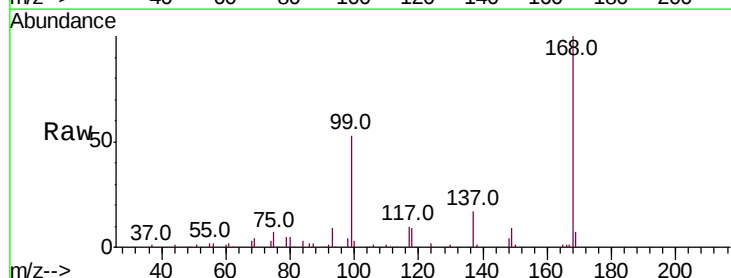
Tgt Ion: 56 Resp: 2698

Ion Ratio Lower Upper

56 100

69 194.5 27.5 41.3#

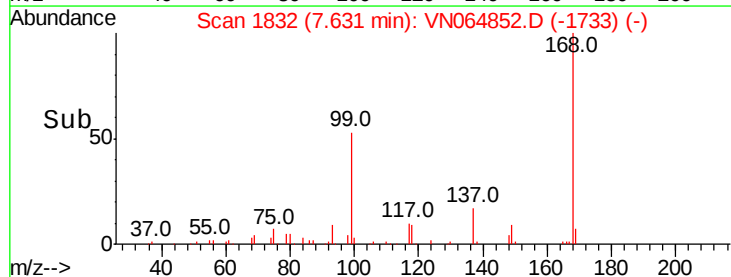
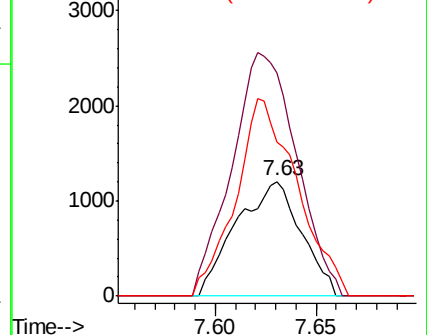
84 133.9 73.9 110.9#

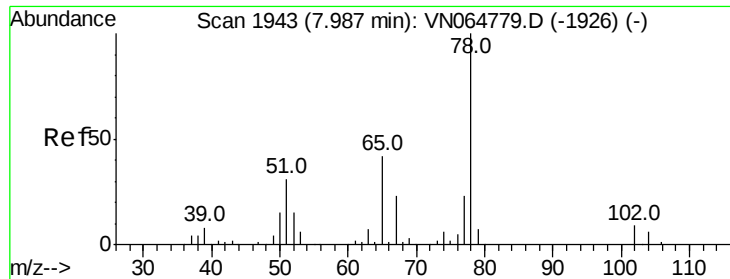


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN





#33

1,2-Dichloroethane-d4

Concen: 54.095 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

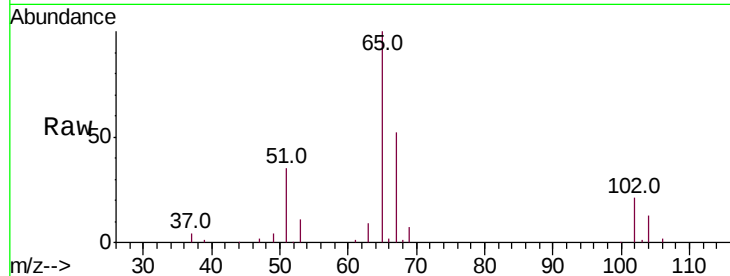
BP-VPB178-TB-20201119

Tot Ion: 65 Resp: 99516

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN064779.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN064779.D (-1926) (-)

7.99

40000

30000

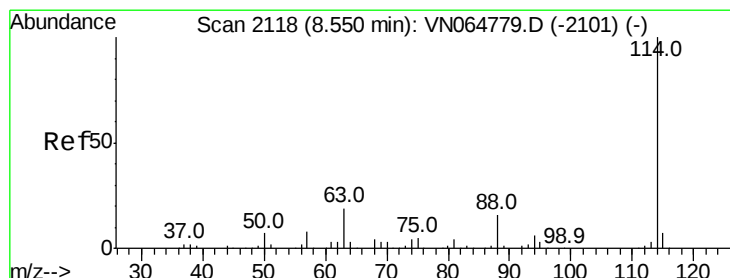
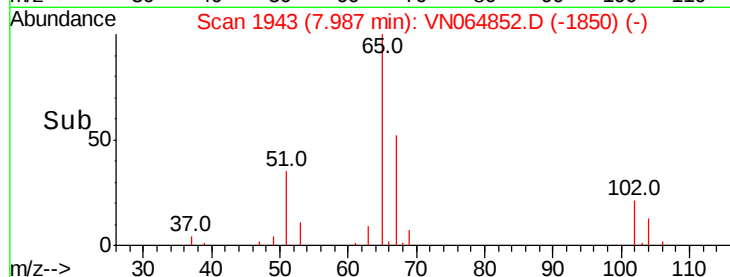
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

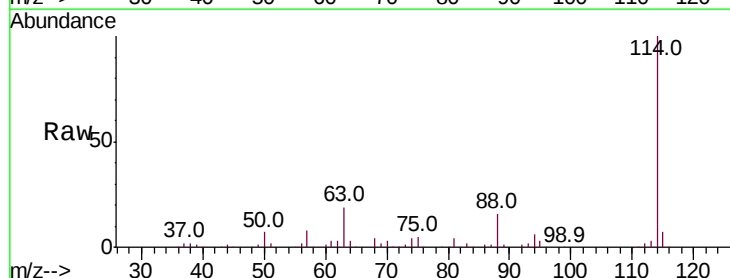
Tgt Ion: 114 Resp: 281470

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.6 0.0 32.6



Abundance Ion 113.90 (113.60 to 114.60): VN064779.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064779.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064779.D (-2101) (-)

8.55

150000

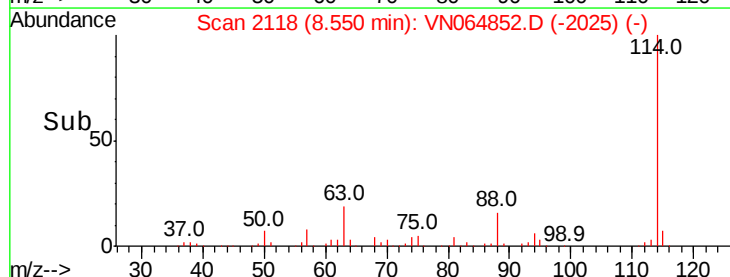
100000

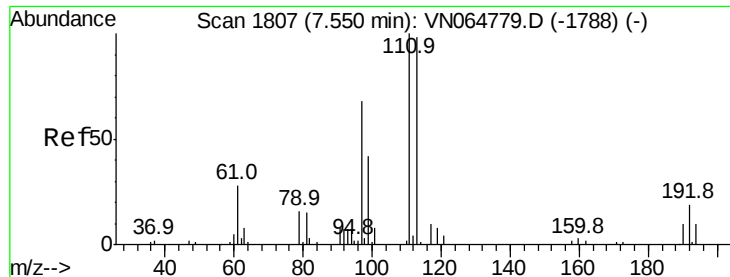
50000

0

8.50 8.55 8.60

Time-->

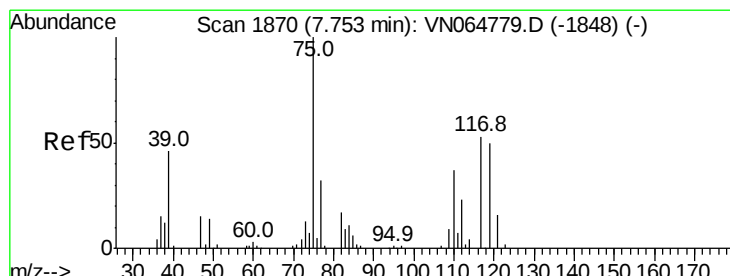
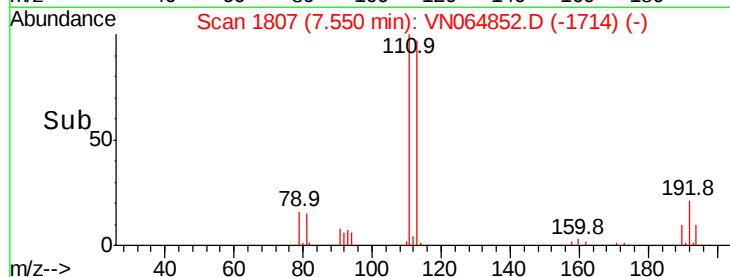
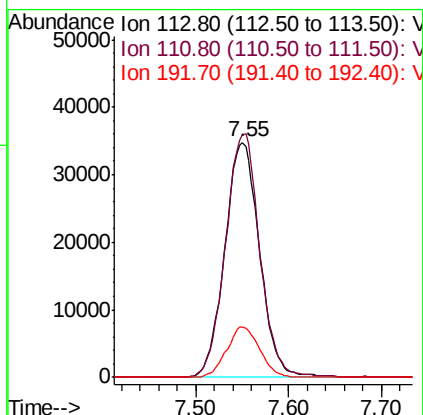
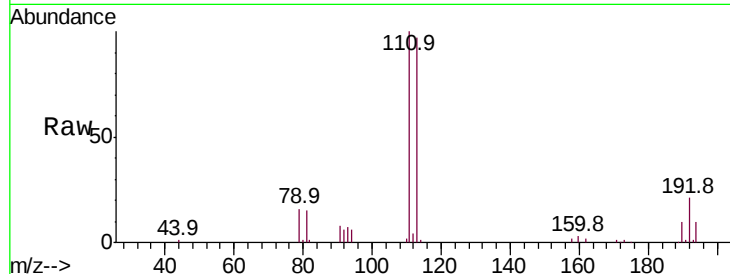




#35
 Dibromofluoromethane
 Concen: 53.726 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064852.D
 Acq: 25 Nov 2020 13:05

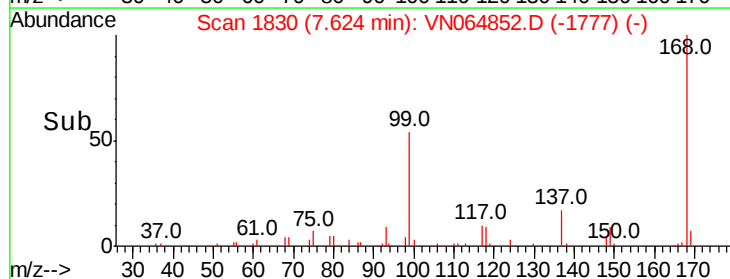
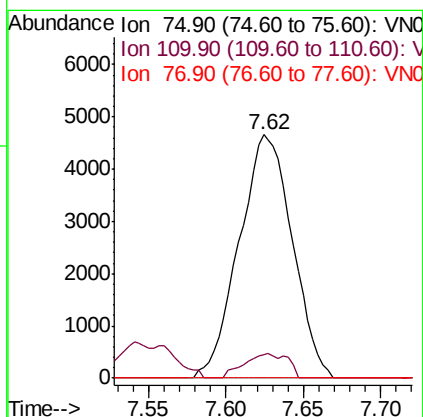
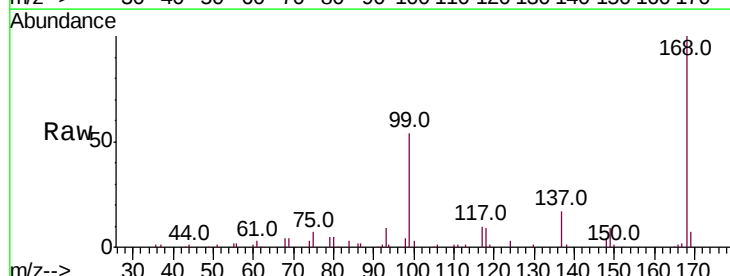
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-TB-20201119

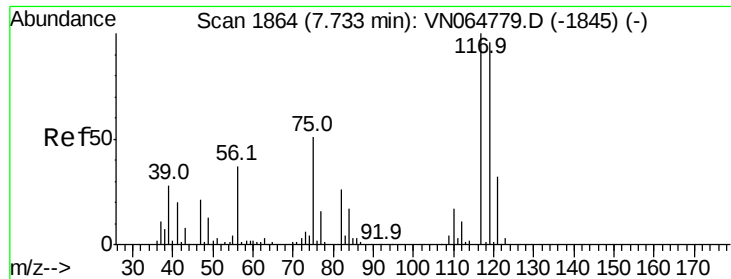
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.6	122.4
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.262 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064852.D
 Acq: 25 Nov 2020 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.8	53.3#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-TB-20201119

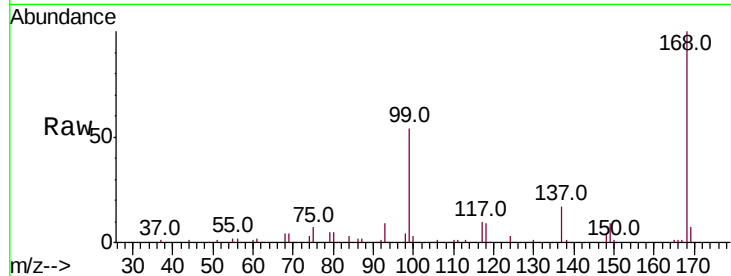
Tot Ion:117 Resp: 15295

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

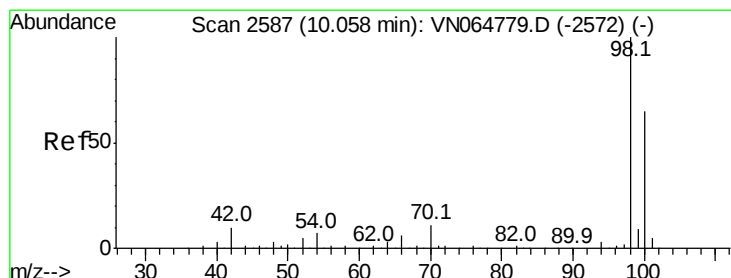
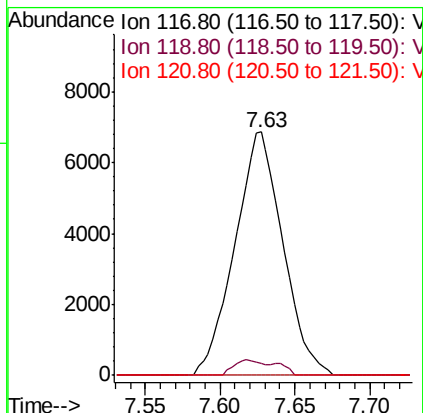
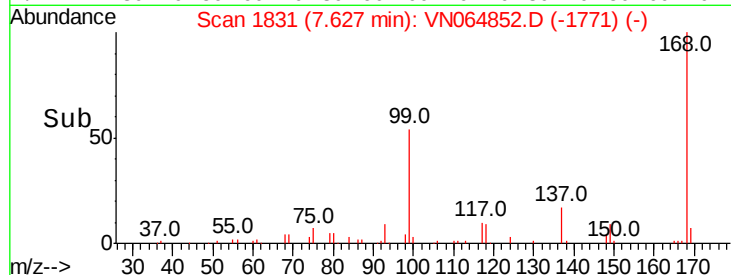
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.063 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064852.D

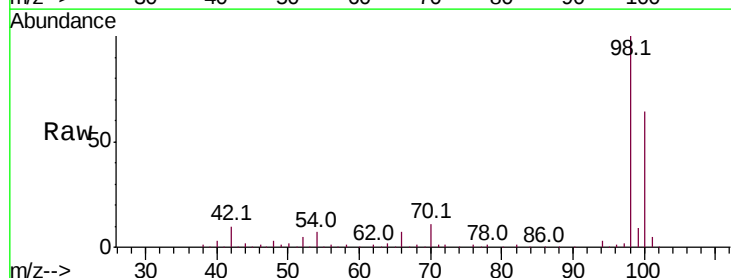
Acq: 25 Nov 2020 13:05

Tgt Ion: 98 Resp: 351393

Ion Ratio Lower Upper

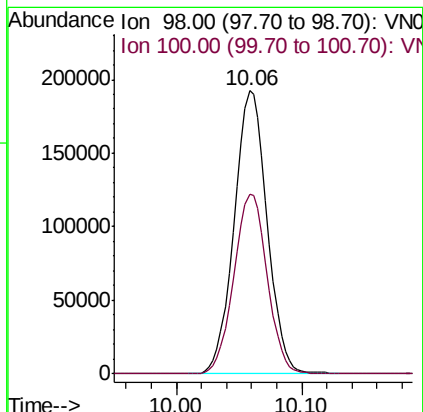
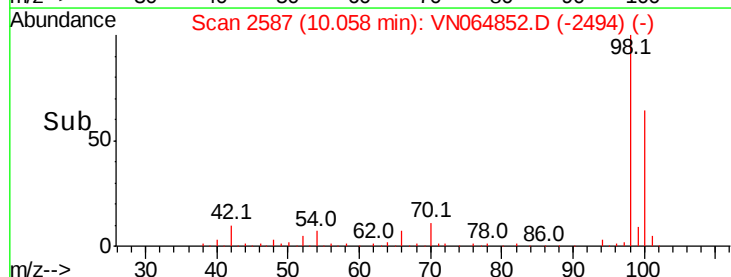
98 100

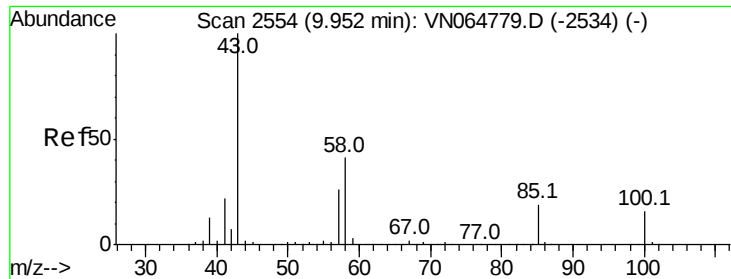
100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.560 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

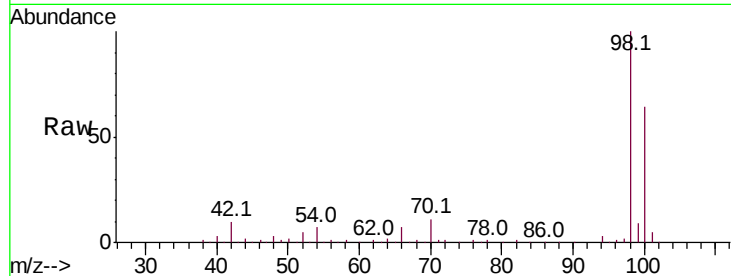
BP-VPB178-TB-20201119

Tot Ion: 43 Resp: 1360

Ion Ratio Lower Upper

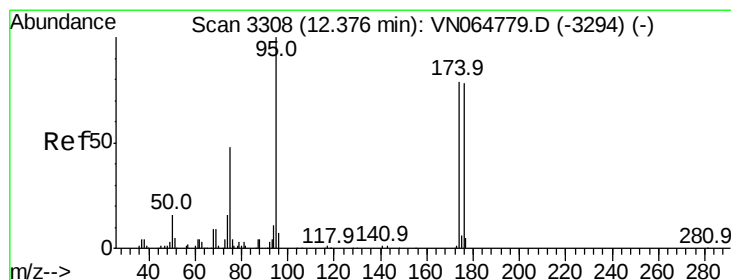
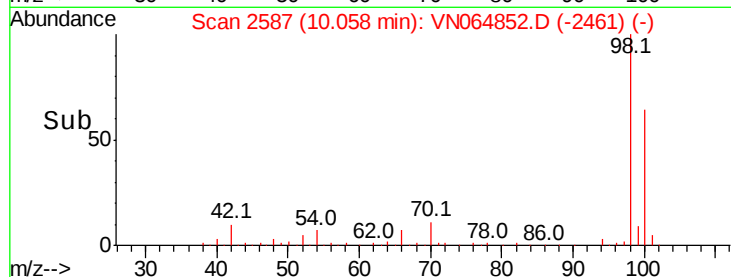
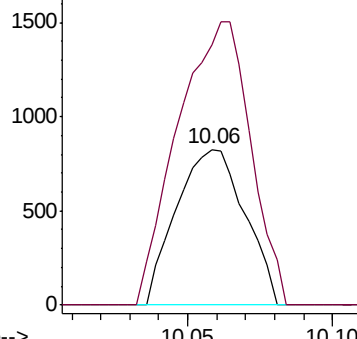
43 100

58 192.9 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 55.005 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

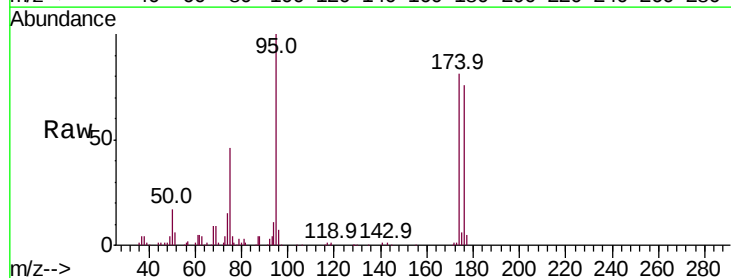
Tgt Ion: 95 Resp: 135465

Ion Ratio Lower Upper

95 100

174 81.3 0.0 160.4

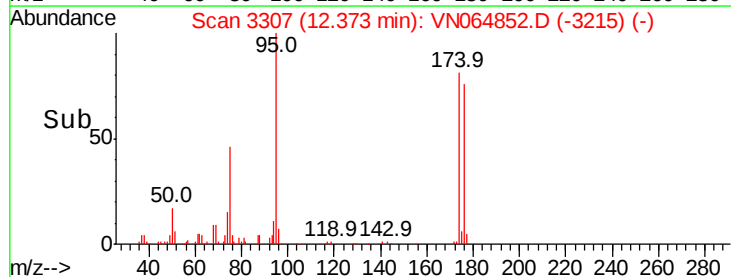
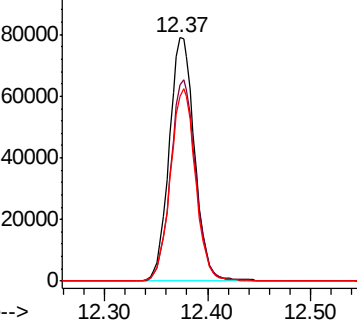
176 77.7 0.0 158.4

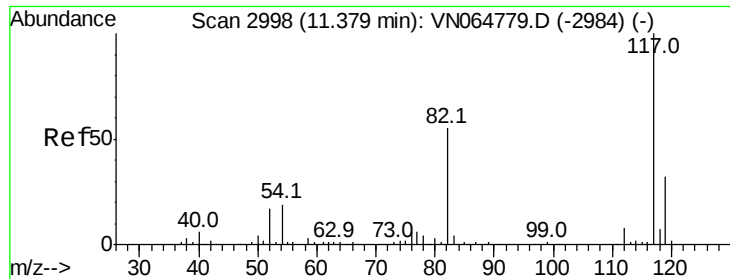


Abundance Ion 94.90 (94.60 to 95.60): VN0

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: VN064852.D

Acq: 25 Nov 2020 13:05

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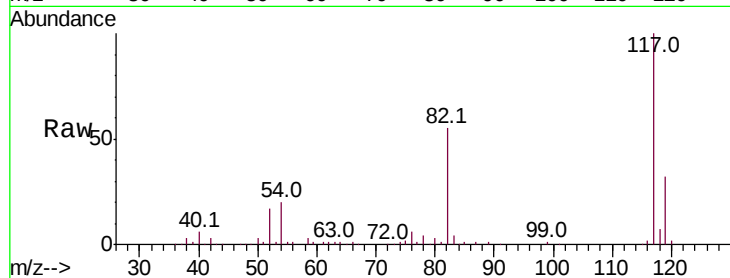
Tot Ion:117 Resp: 291532

Ion Ratio Lower Upper

117 100

82 55.0 44.2 66.2

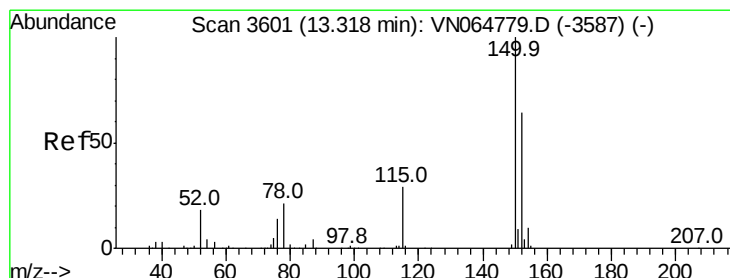
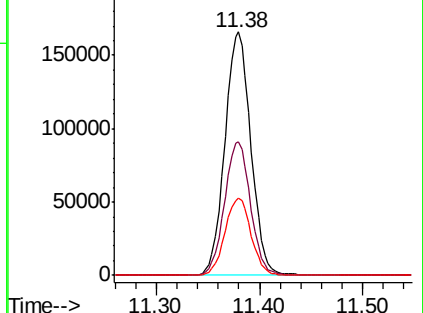
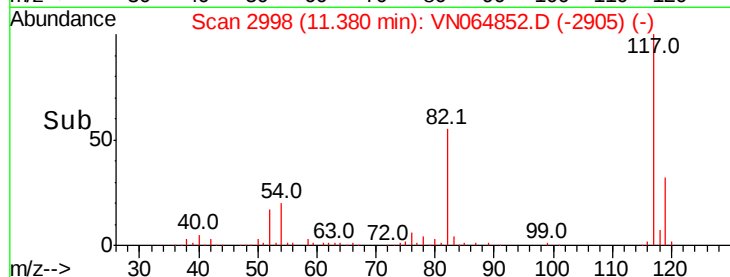
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

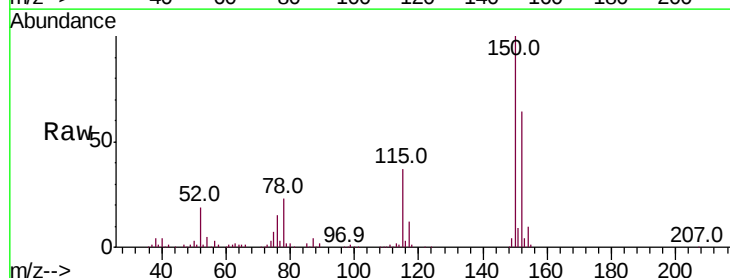
Tgt Ion:152 Resp: 131854

Ion Ratio Lower Upper

152 100

115 58.2 29.7 89.1

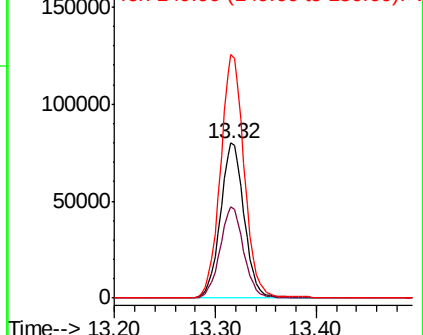
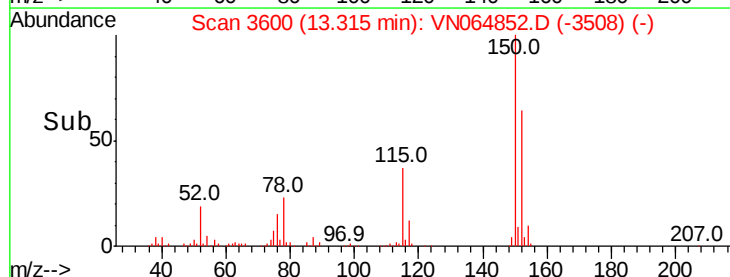
150 156.6 0.0 350.6

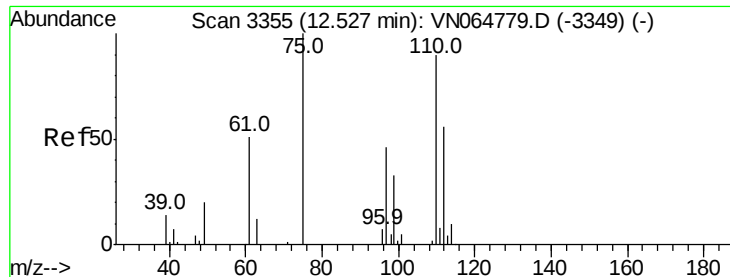


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.066 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

Instrument :

MSVOA_N

ClientSampleId :

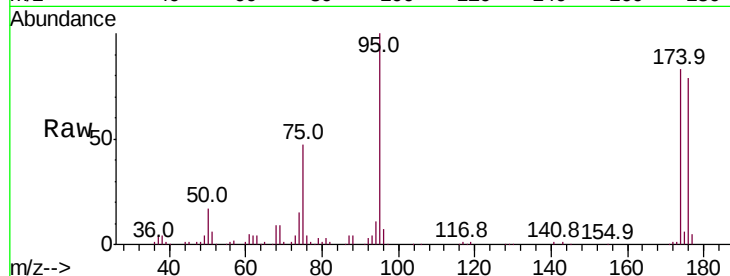
BP-VPB178-TB-20201119

Tot Ion: 75 Resp: 62659

Ion Ratio Lower Upper

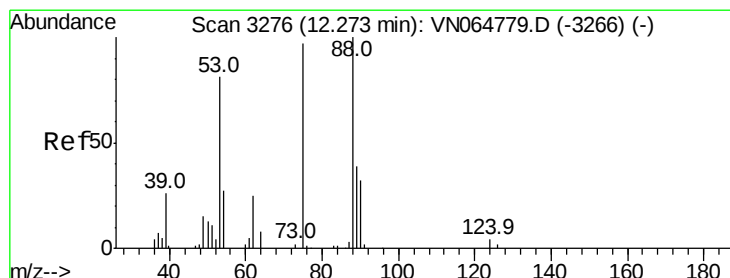
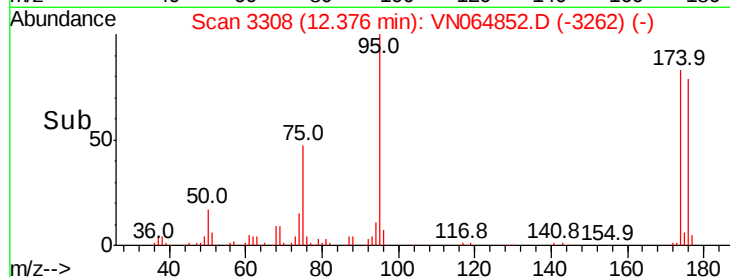
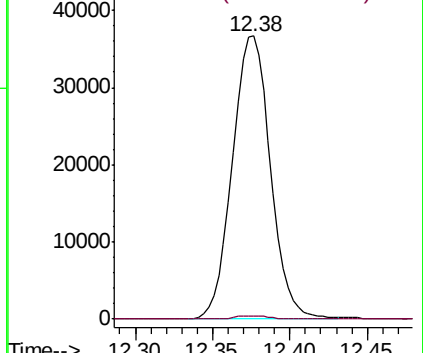
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 60.478 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064852.D

Acq: 25 Nov 2020 13:05

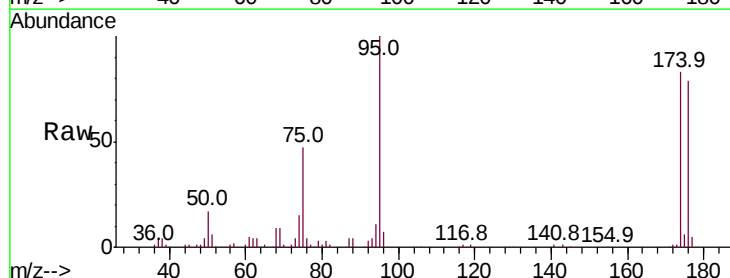
Tgt Ion: 75 Resp: 62659

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

