

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058530.D
 Acq On : 4 Oct 2019 11:25
 Operator : JC/SP
 Sample : K5197-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:35:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	434295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	698990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258455	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	306465	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.57	113	217713	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.09	98	885083	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	292569	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

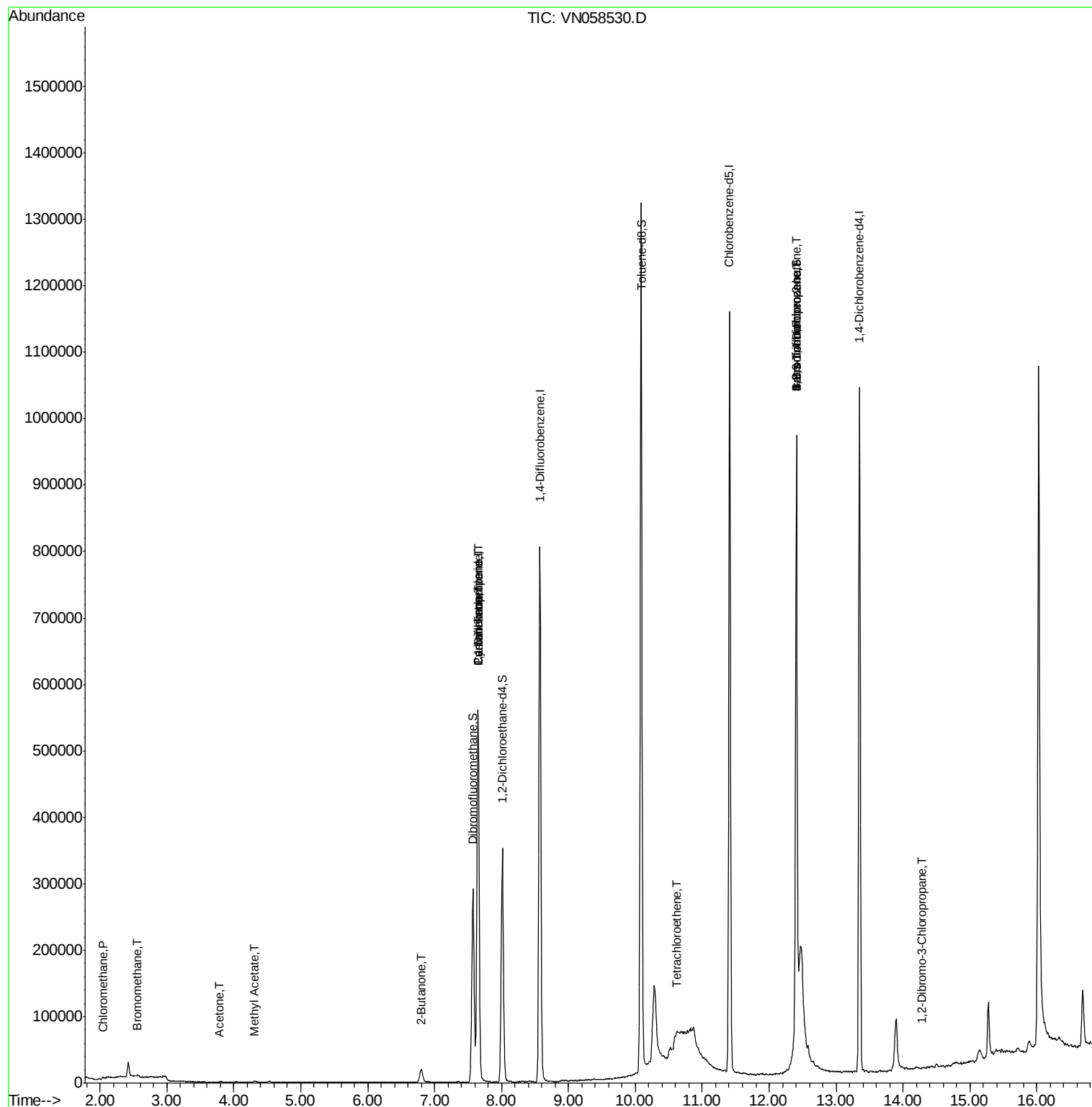
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1850	0.353	ug/l	89
5) Bromomethane	2.56	94	717	0.263	ug/l #	70
16) Acetone	3.79	43	731	0.338	ug/l #	47
18) Methyl Acetate	4.30	43	2553	0.469	ug/l #	81
25) 2-Butanone	6.81	43	1782	0.600	ug/l #	50
31) Cyclohexane	7.65	56	10790	1.228	ug/l #	15
36) 1,1-Dichloropropene	7.65	75	38786	5.803	ug/l #	51
38) Carbon Tetrachloride	7.65	117	45670	7.570	ug/l #	16
60) Dibromochloromethane	10.88	129	30	Below Cal	#	11
64) Tetrachloroethene	10.63	164	1030	0.263	ug/l #	73
71) Bromoform	12.41	173	1193	1.107	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	165340	35.024	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165340	106.374	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.28	75	366	0.367	ug/l #	5

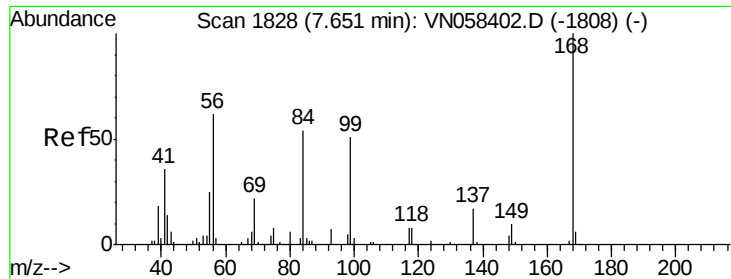
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058530.D

Acq: 4 Oct 2019 11:25

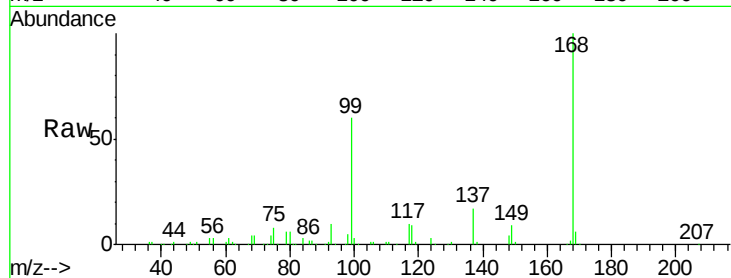
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 434295

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

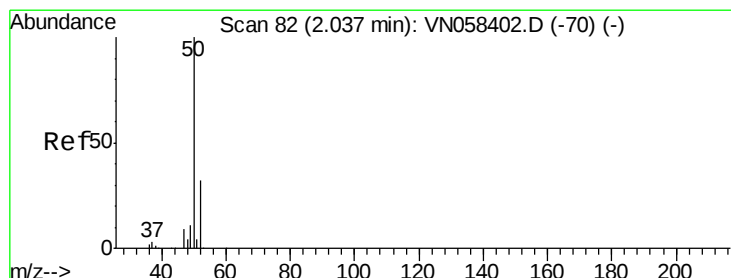
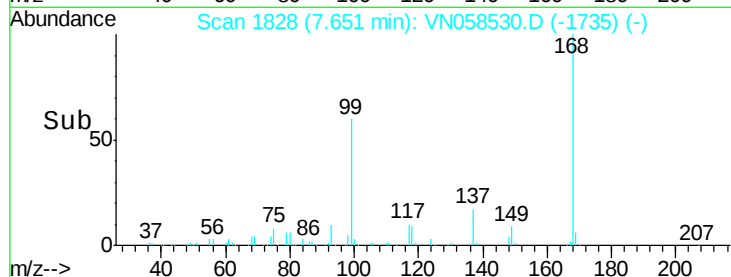
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.353 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058530.D

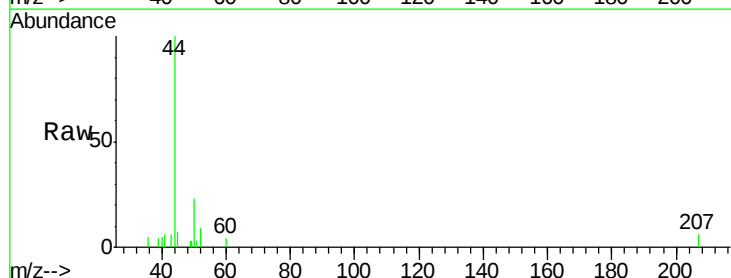
Acq: 4 Oct 2019 11:25

Tgt Ion: 50 Resp: 1850

Ion Ratio Lower Upper

50 100

52 38.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

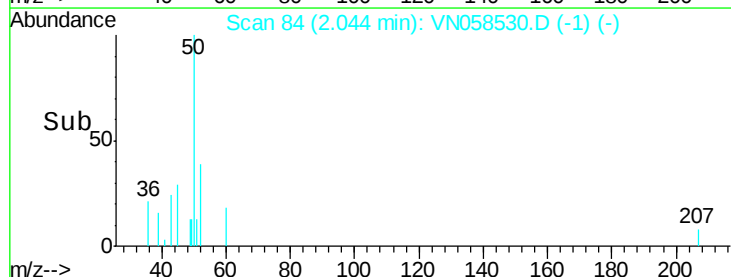
1000

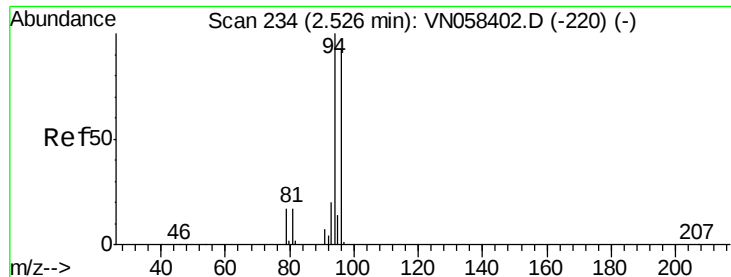
500

0

2.00 2.05 2.10

Time-->





#5

Bromomethane

Concen: 0.263 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058530.D

Acq: 4 Oct 2019 11:25

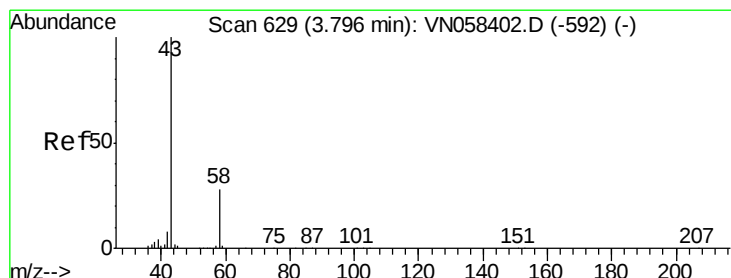
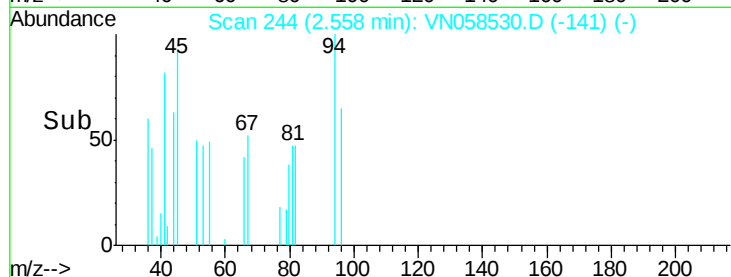
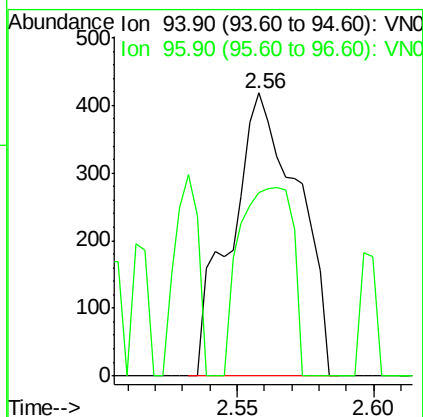
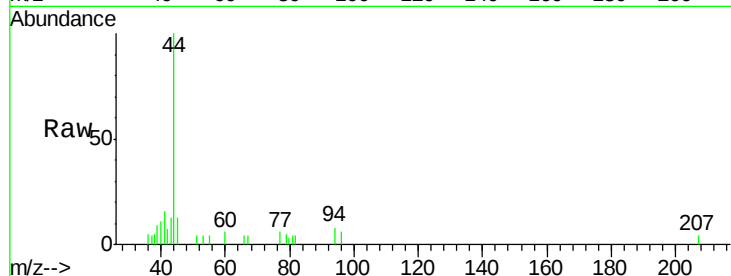
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 717

Ion Ratio Lower Upper

94 100

96 65.1 74.8 112.2#



#16

Acetone

Concen: 0.338 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058530.D

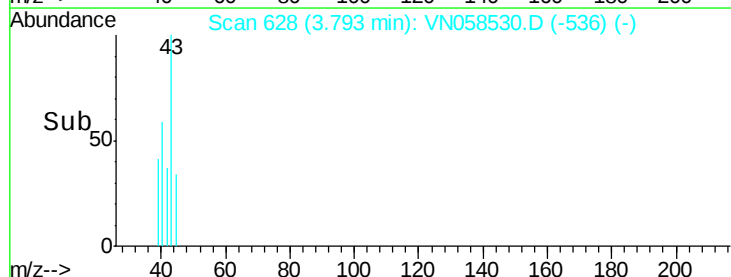
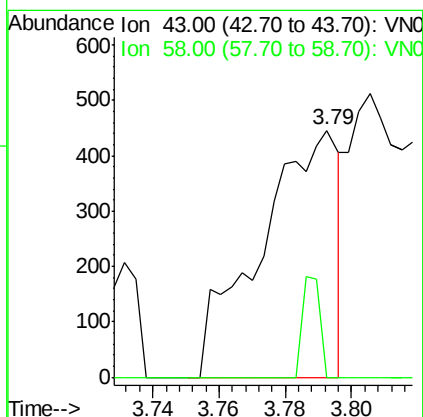
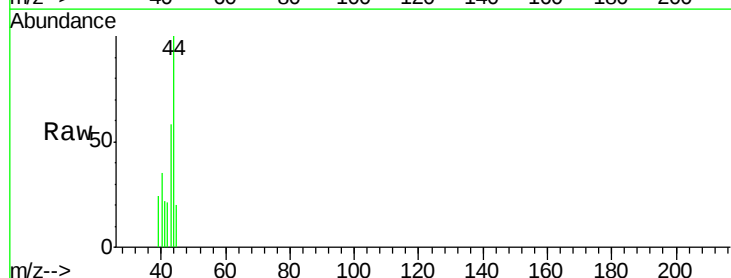
Acq: 4 Oct 2019 11:25

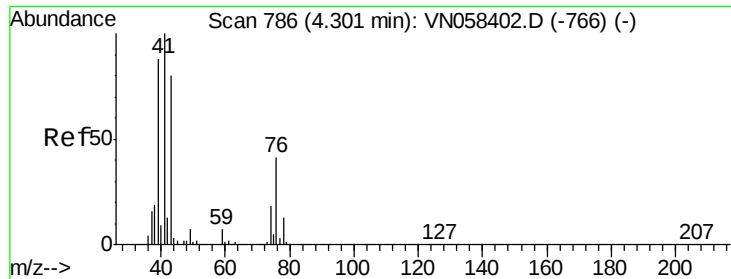
Tgt Ion: 43 Resp: 731

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#

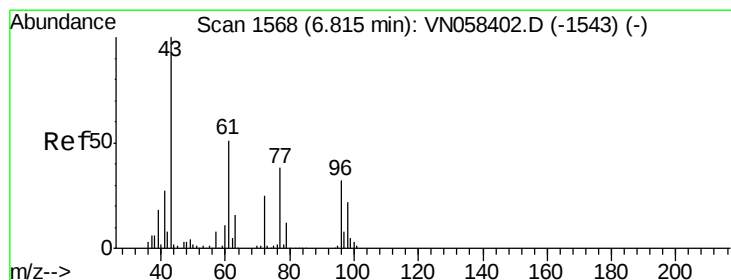
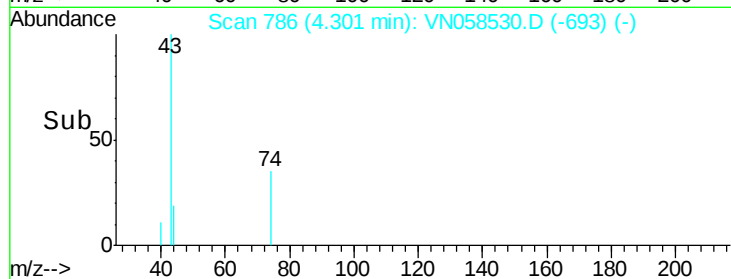
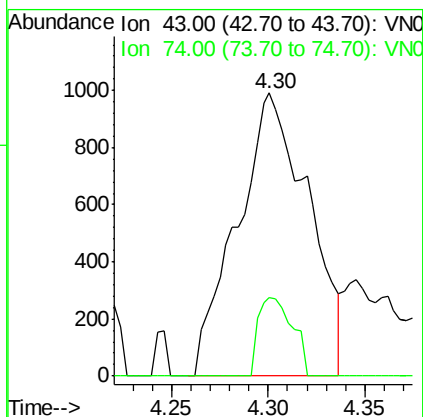
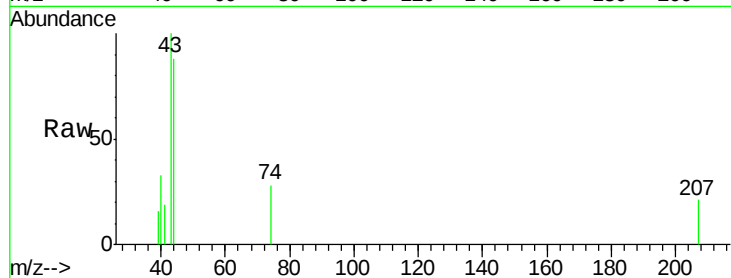




#18
Methvl Acetate
Concen: 0.469 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

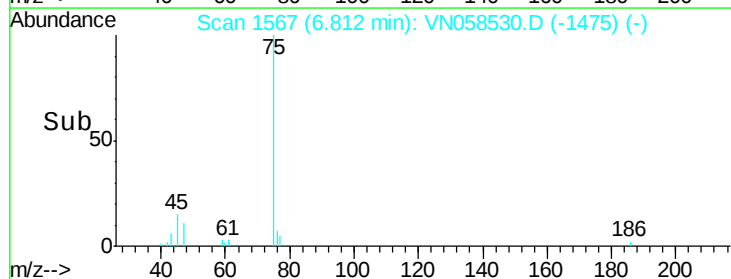
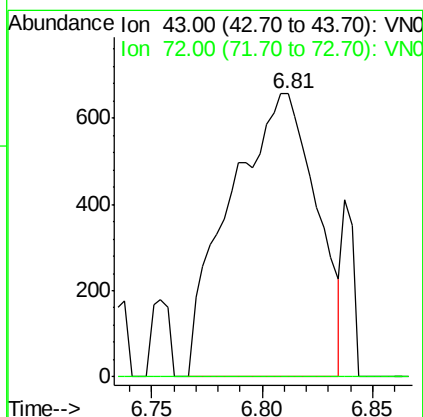
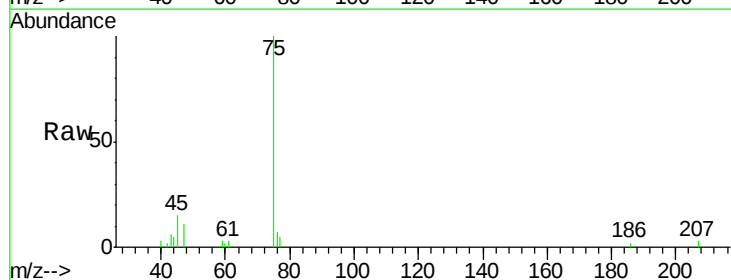
Instrument :
MSVOA_N
ClientSampled :

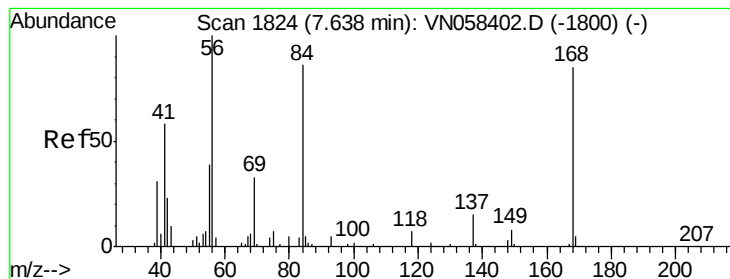
Tot Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
74 13.3 18.0 27.0#



#25
2-Butanone
Concen: 0.600 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058530.D

Acq: 4 Oct 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

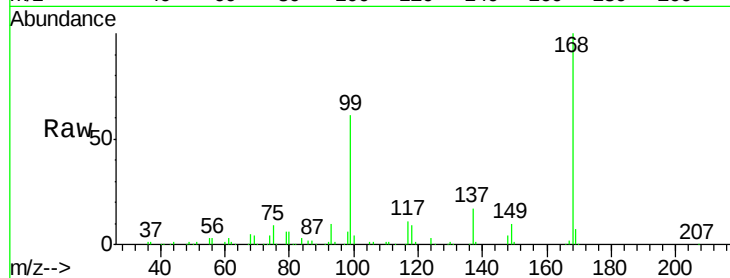
Tot Ion: 56 Resp: 10790

Ion Ratio Lower Upper

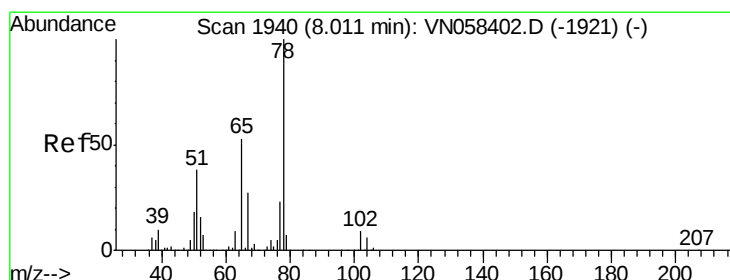
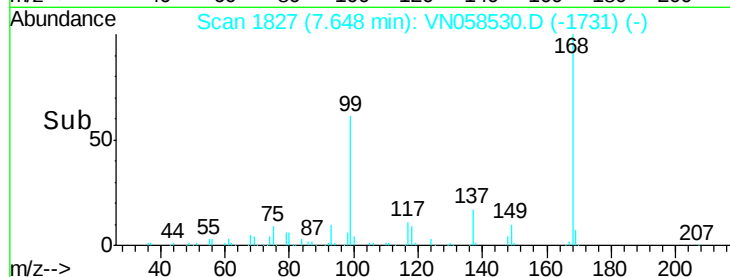
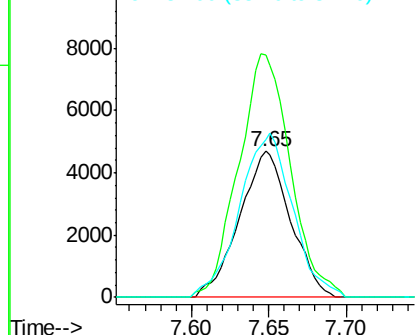
56 100

69 166.1 26.2 39.4#

84 108.1 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 48.289 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058530.D

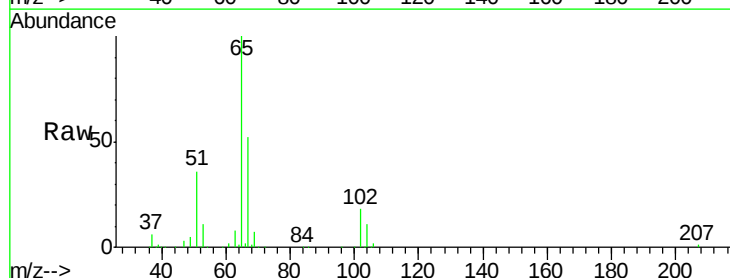
Acq: 4 Oct 2019 11:25

Tgt Ion: 65 Resp: 306465

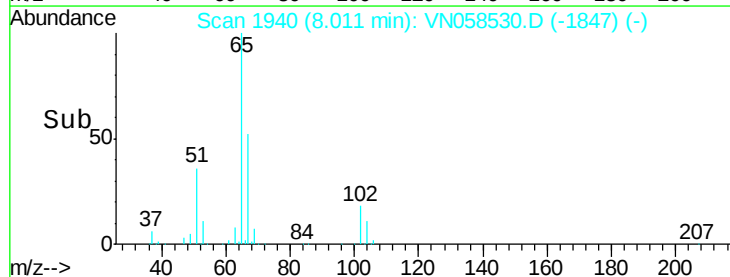
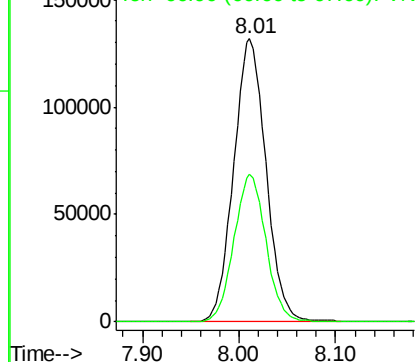
Ion Ratio Lower Upper

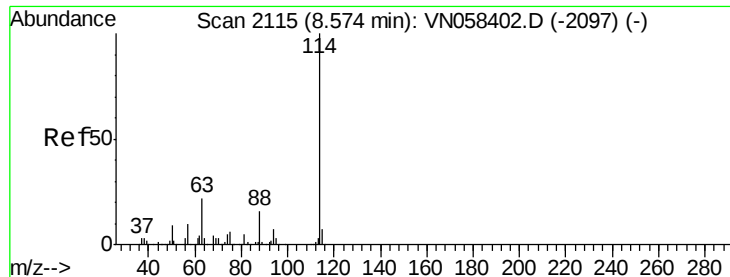
65 100

67 51.5 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

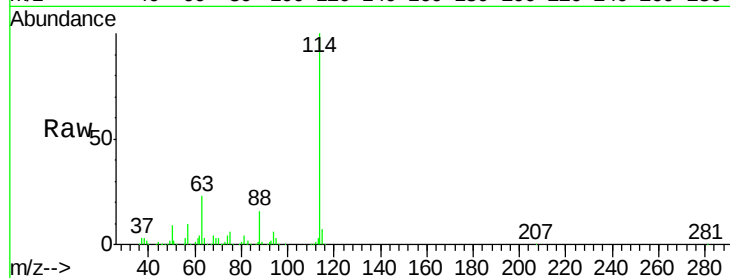




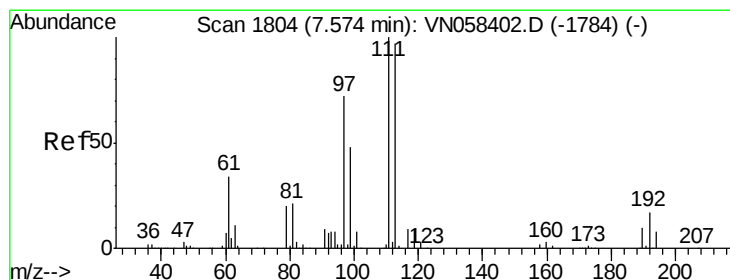
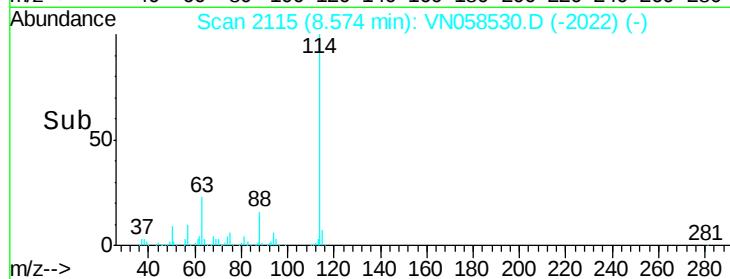
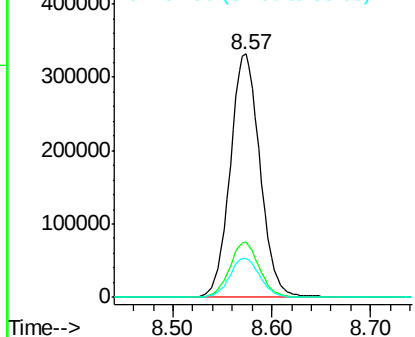
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058530.D
 Acq: 4 Oct 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.0
88	16.0	0.0	32.2

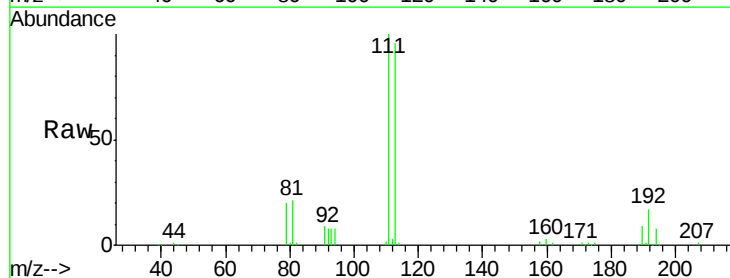


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

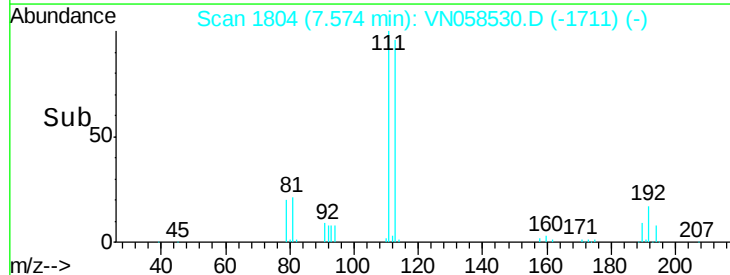
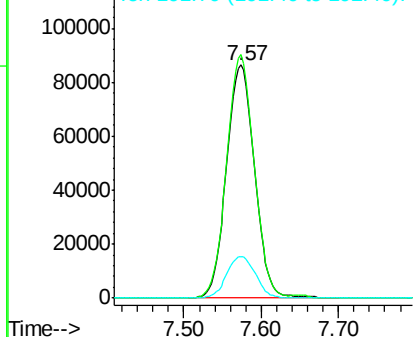


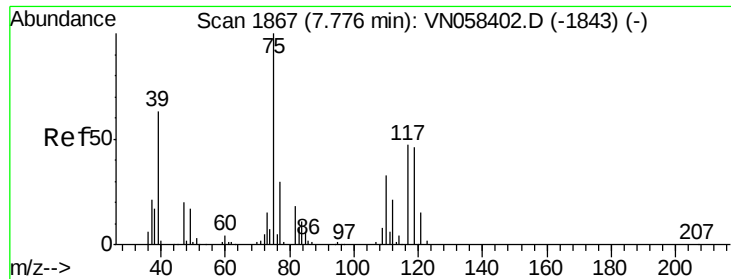
#35
 Dibromofluoromethane
 Concen: 50.820 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058530.D
 Acq: 4 Oct 2019 11:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.4	125.2
192	18.3	14.9	22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

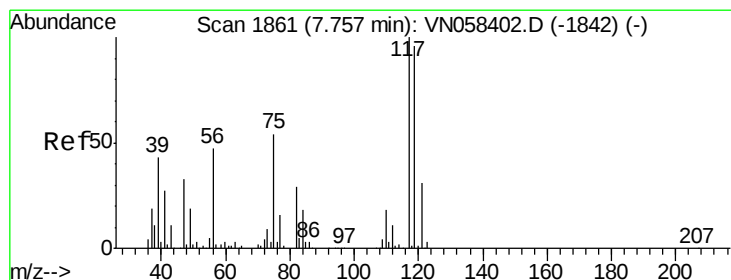
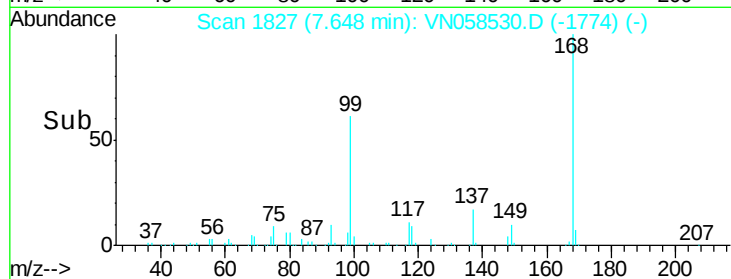
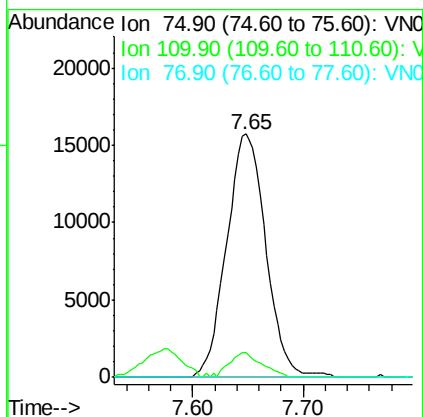
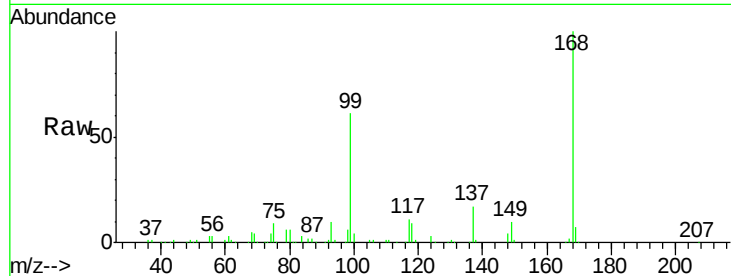




#36
 1,1-Dichloropropene
 Concen: 5.803 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058530.D
 Acq: 4 Oct 2019 11:25

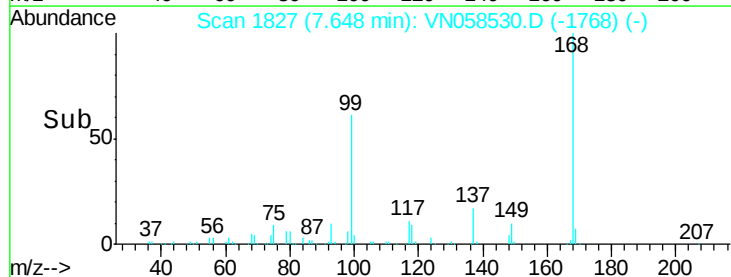
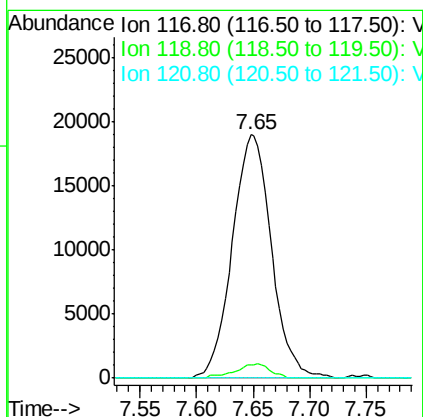
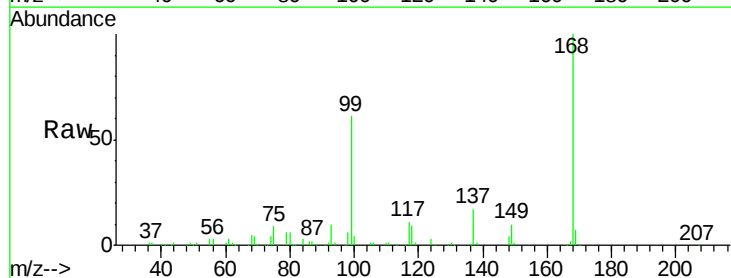
Instrument :
 MSVOA_N
 ClientSampleId :

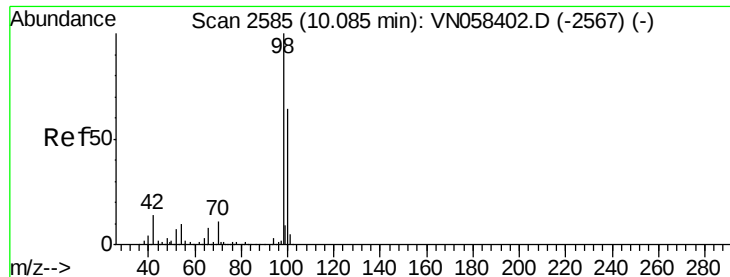
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.570 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058530.D
 Acq: 4 Oct 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.6	115.0#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.739 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058530.D

Acq: 4 Oct 2019 11:25

Instrument :

MSVOA_N

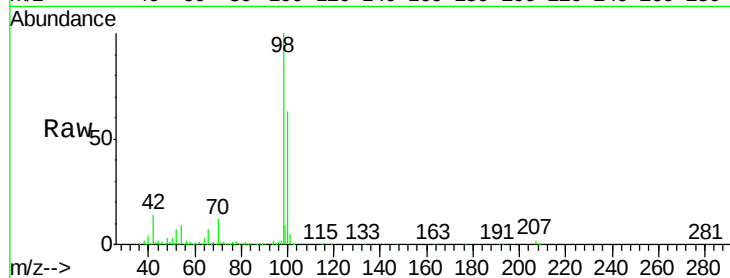
ClientSampled :

Tot Ion: 98 Resp: 885083

Ion Ratio Lower Upper

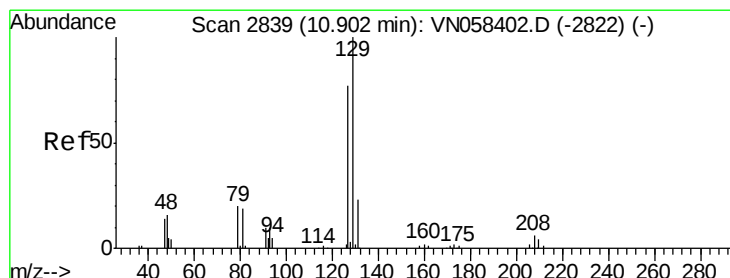
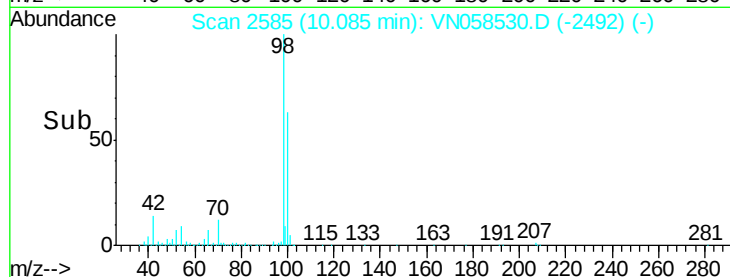
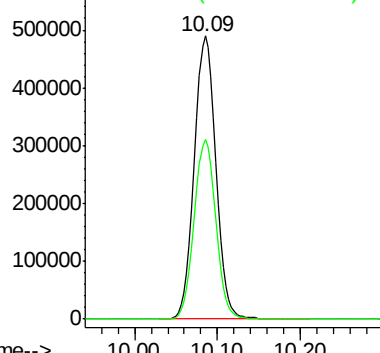
98 100

100 63.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#60

Dibromochloromethane

Concen: Below Cal

RT: 10.88 min Scan# 2831

Delta R.T. -0.03 min

Lab File: VN058530.D

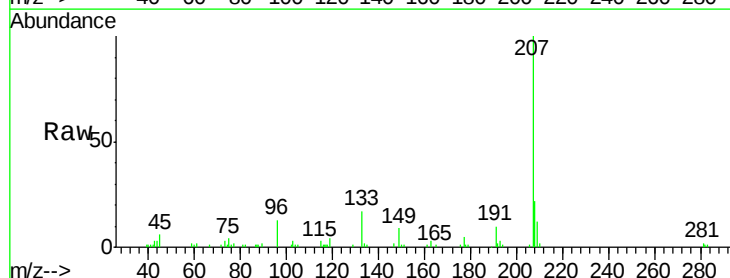
Acq: 4 Oct 2019 11:25

Tgt Ion: 129 Resp: 30

Ion Ratio Lower Upper

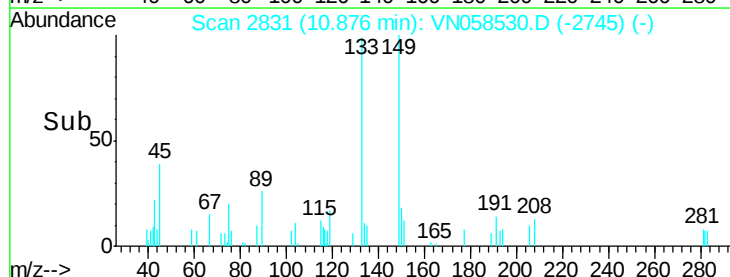
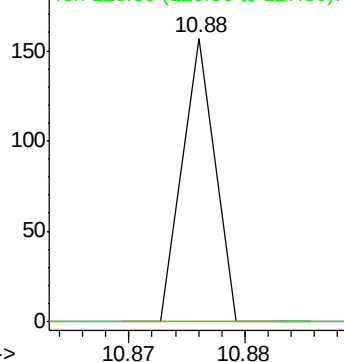
129 100

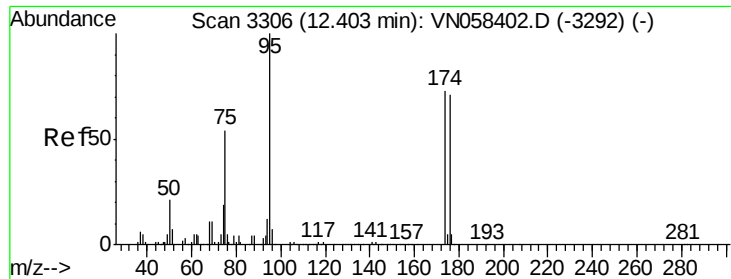
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

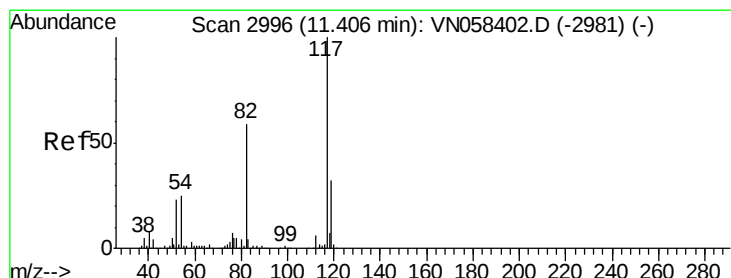
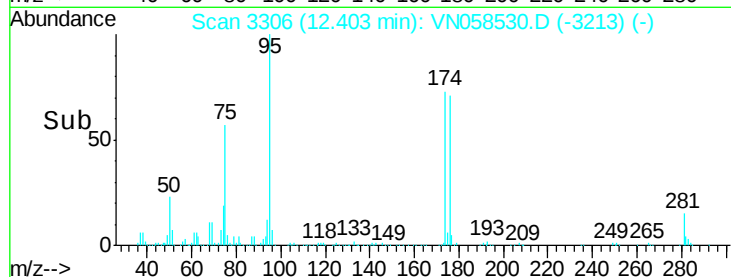
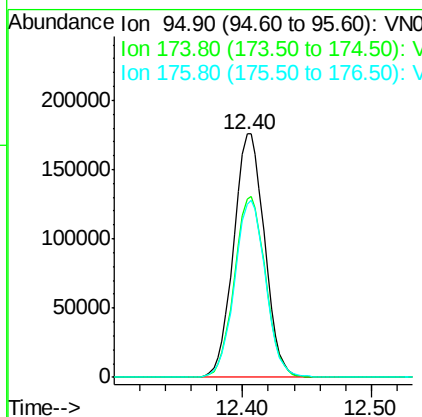
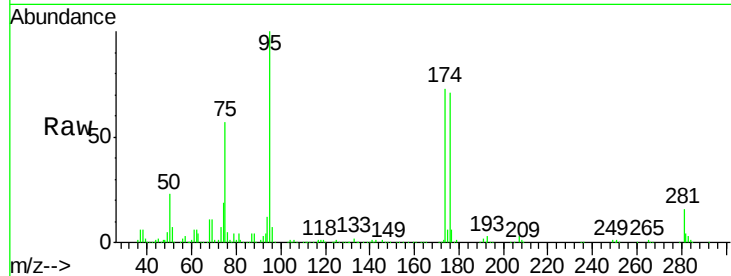




#62
4-Bromofluorobenzene
Concen: 48.214 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

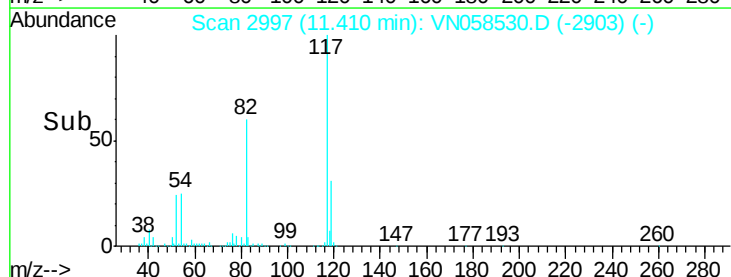
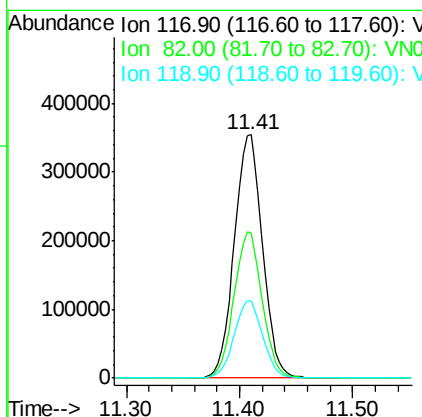
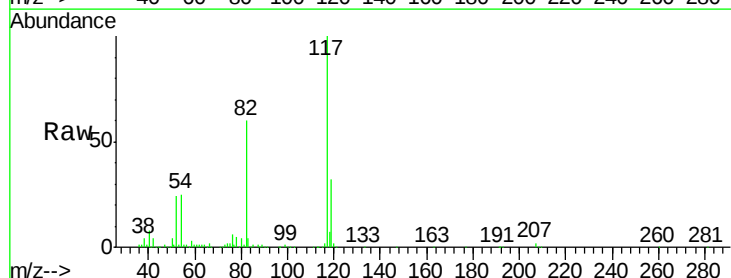
Instrument :
MSVOA_N
ClientSampleId :

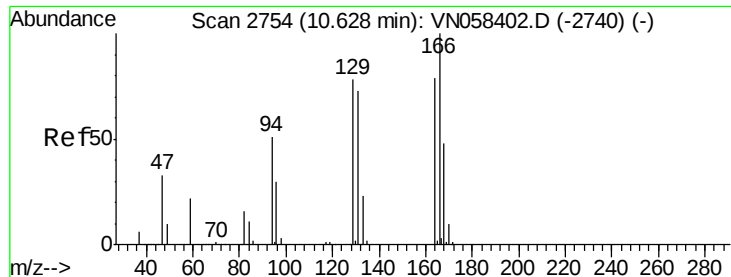
Tot Ion: 95 Resp: 292569
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.6
176 73.0 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

Tgt Ion: 117 Resp: 616445
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 31.5 25.5 38.3

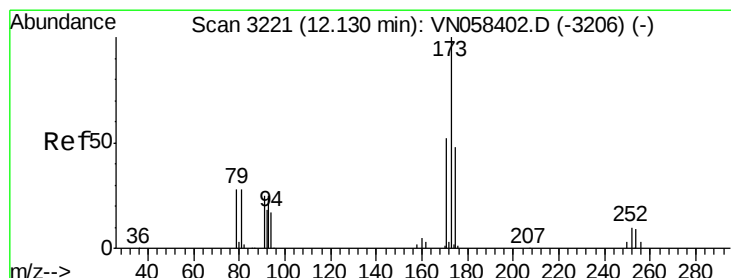
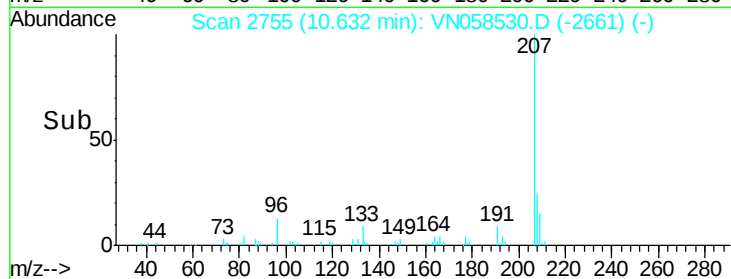
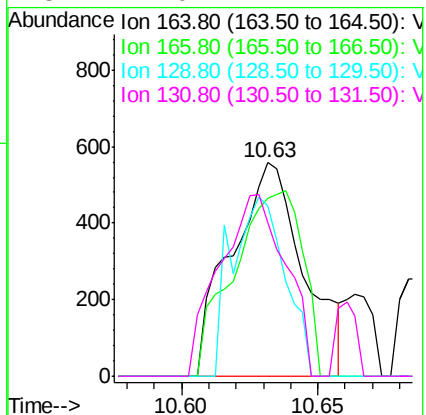
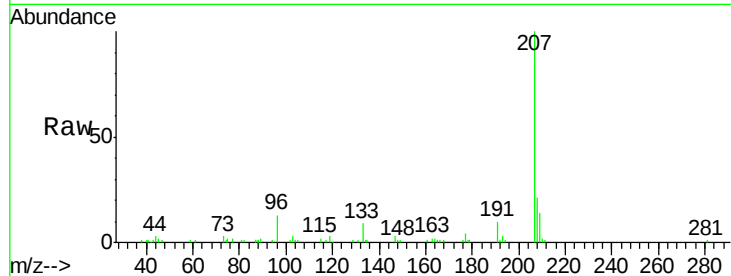




#64
Tetrachloroethene
Concen: 0.263 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

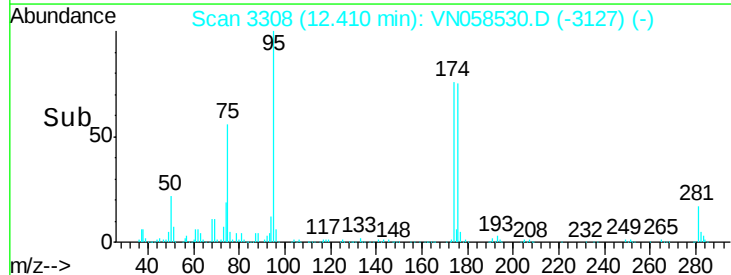
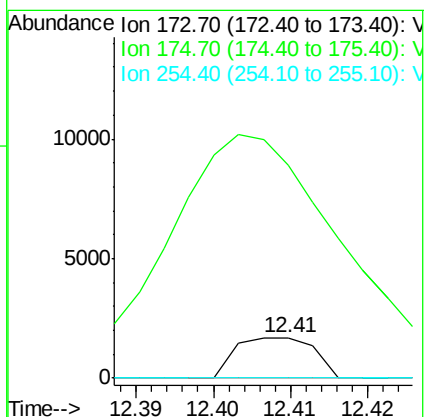
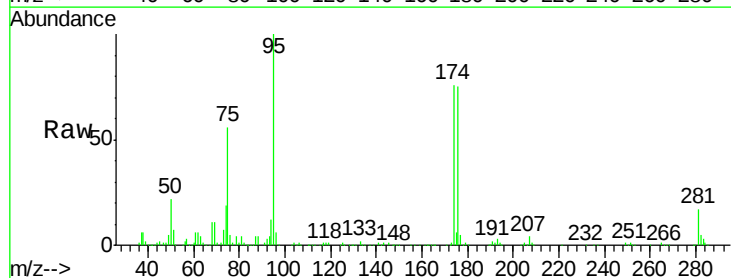
Instrument :
MSVOA_N
ClientSampled :

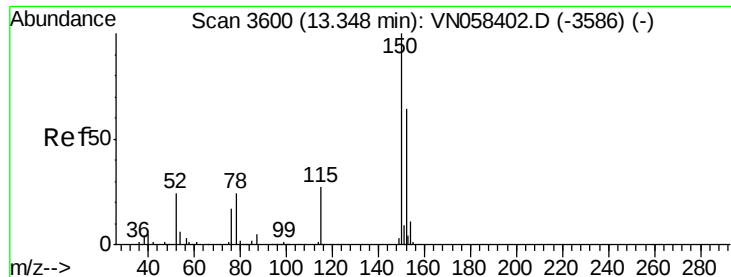
Tot Ion:164 Resp: 1030
Ion Ratio Lower Upper
164 100
166 83.2 101.1 151.7#
129 79.7 79.2 118.8
131 72.0 74.1 111.1#



#71
Bromoform
Concen: 1.107 ug/l
RT: 12.41 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

Tgt Ion:173 Resp: 1193
Ion Ratio Lower Upper
173 100
175 1186.2 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058530.D

Acq: 4 Oct 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

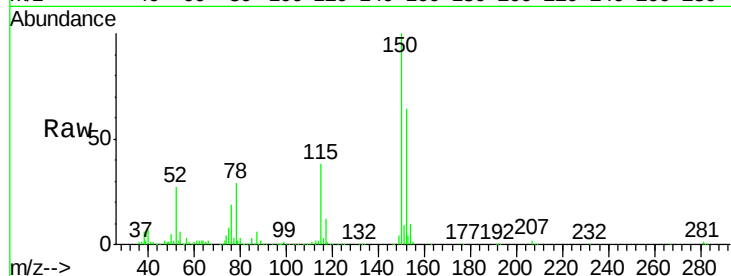
Tot Ion:152 Resp: 258455

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

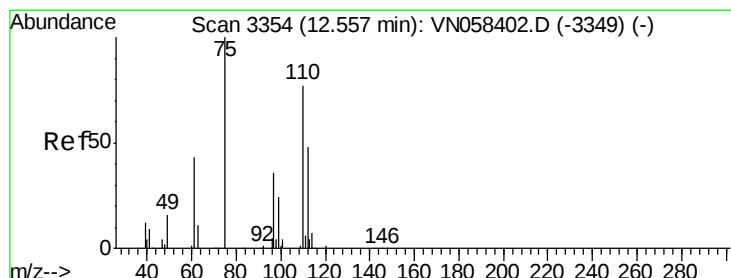
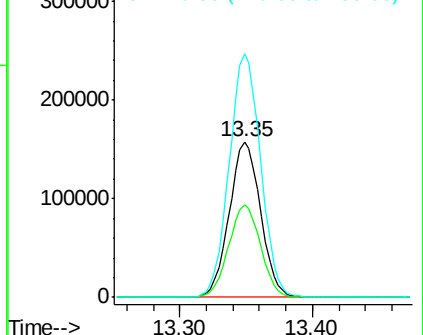
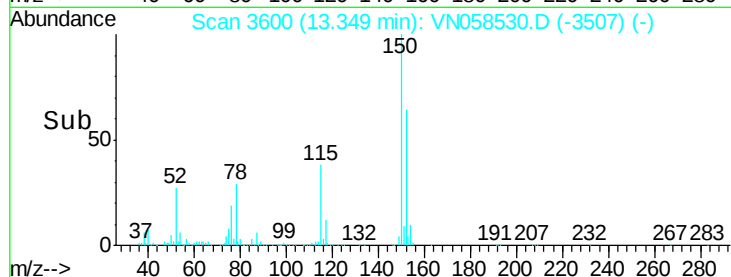
150 157.3 0.0 348.2



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: 35.024 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058530.D

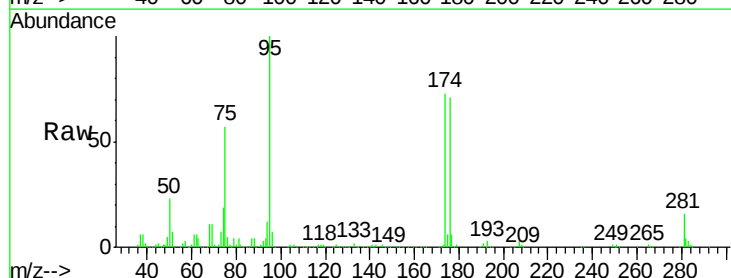
Acq: 4 Oct 2019 11:25

Tgt Ion: 75 Resp: 165340

Ion Ratio Lower Upper

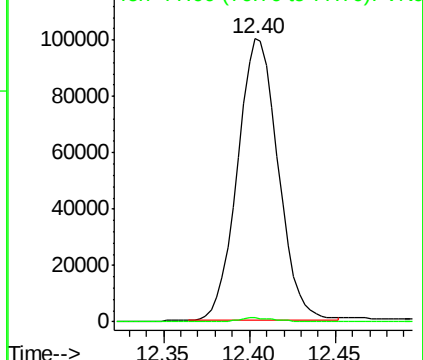
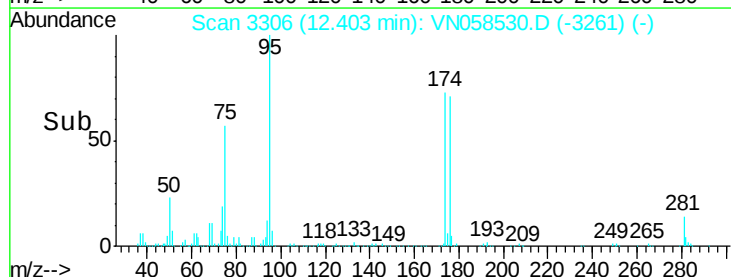
75 100

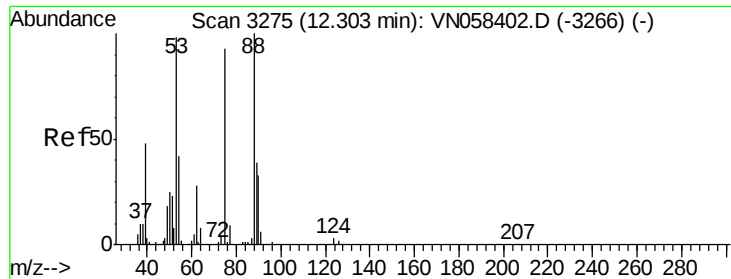
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

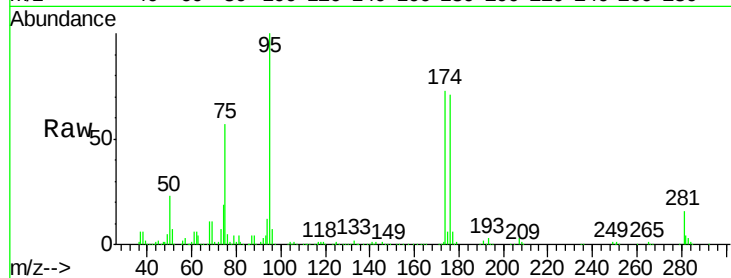




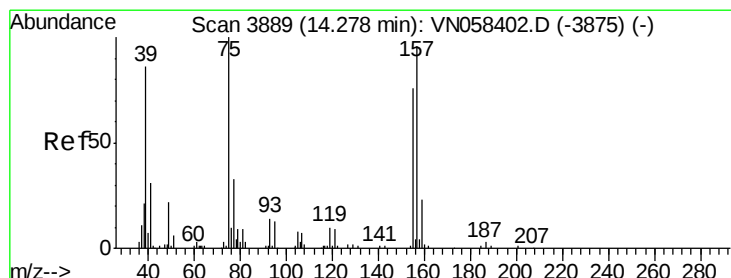
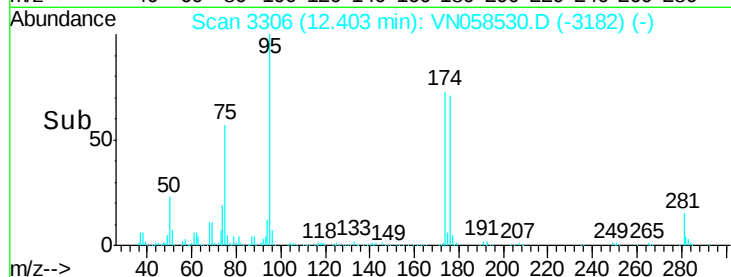
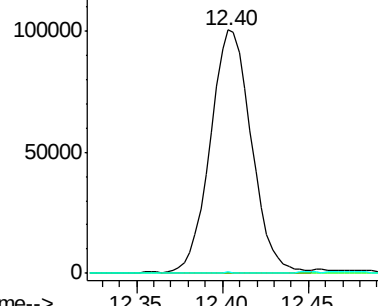
#81
trans-1,4-Dichloro-2-butene
Concen: 106.374 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 165340
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.0#
89 0.3 35.0 52.4#

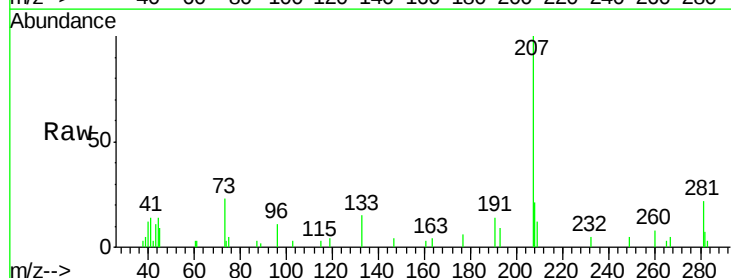


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.367 ug/l
RT: 14.28 min Scan# 3891
Delta R.T. 0.01 min
Lab File: VN058530.D
Acq: 4 Oct 2019 11:25

Tgt Ion: 75 Resp: 366
Ion Ratio Lower Upper
75 100
155 0.0 39.2 117.6#
157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

