

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN013020\
 Data File : VN059925.D
 Acq On : 30 Jan 2020 13:41
 Operator : JC/MD
 Sample : VN0130MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 16:51:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	301940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	106241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109235	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.57	113	92191	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.08	98	359285	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	116908	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	

Target Compounds

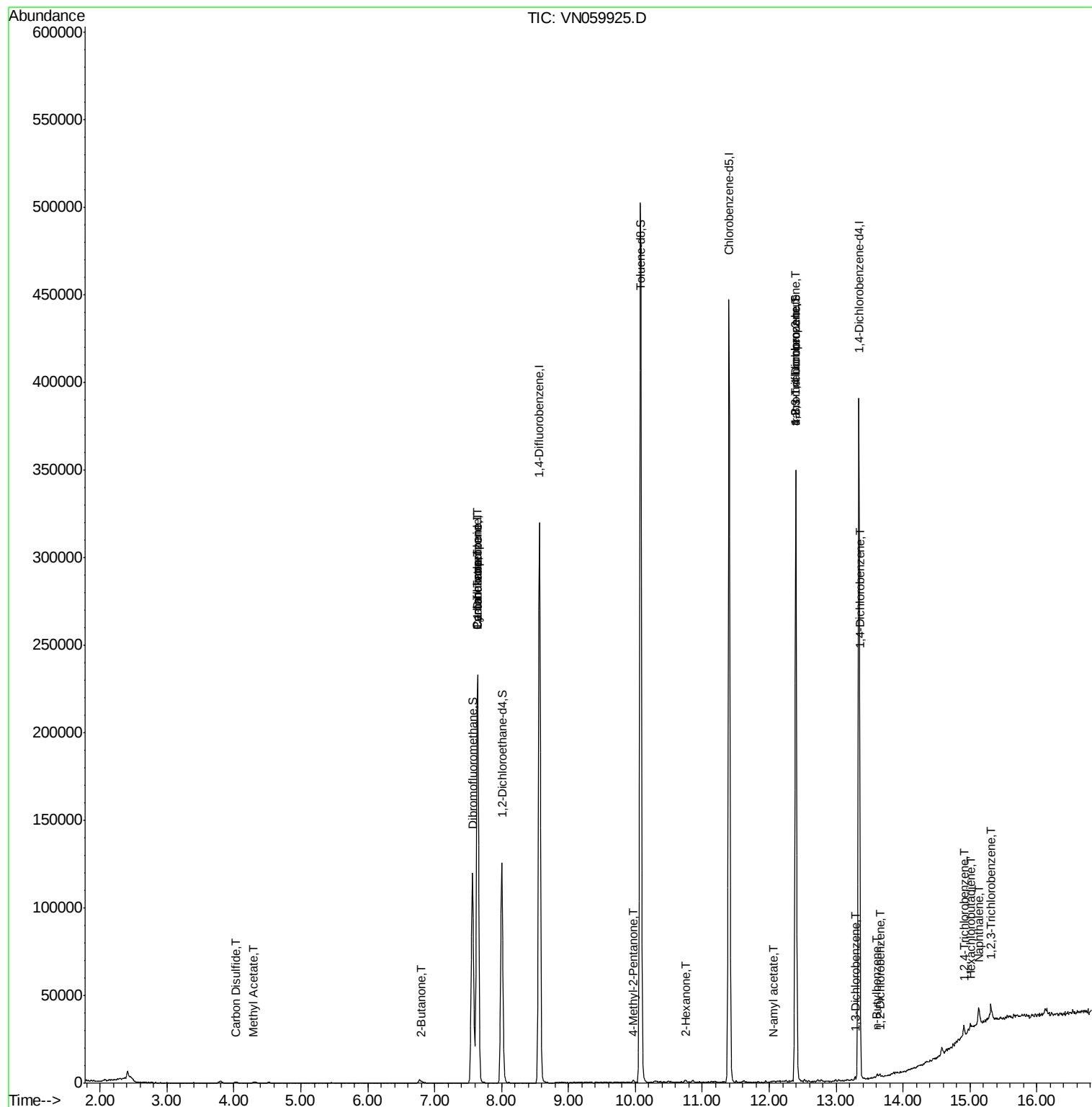
					Qvalue	
16) Acetone	3.80	43	1917	Below Cal		95
17) Carbon Disulfide	4.03	76	1124	0.216 ug/l #		75
18) Methyl Acetate	4.30	43	748	0.288 ug/l #		54
20) Methylene Chloride	4.53	84	223	Below Cal #		12
25) 2-Butanone	6.81	43	439	0.349 ug/l #		50
31) Cyclohexane	7.64	56	3766	1.147 ug/l #		3
36) 1,1-Dichloropropene	7.64	75	13677	5.202 ug/l #		49
38) Carbon Tetrachloride	7.64	117	17912	6.262 ug/l #		16
51) 4-Methyl-2-Pentanone	9.97	43	1016	0.414 ug/l #		80
59) 2-Hexanone	10.75	43	988	0.547 ug/l		83
74) N-amyl acetate	12.07	43	925	0.306 ug/l #		47
76) 1,2,3-Trichloropropane	12.40	75	58992	32.995 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	58992	70.856 ug/l #		11
87) 1,3-Dichlorobenzene	13.27	146	729	0.213 ug/l #		86
88) 1,4-Dichlorobenzene	13.36	146	1038	0.304 ug/l #		1
89) n-Butylbenzene	13.62	91	1338	0.228 ug/l		74
91) 1,2-Dichlorobenzene	13.65	146	979	0.289 ug/l		90
92) 1,2-Dibromo-3-Chloropropan	14.27	75	169	Below Cal #		6
93) 1,2,4-Trichlorobenzene	14.91	180	2217	1.089 ug/l		92
94) Hexachlorobutadiene	15.00	225	718	0.640 ug/l		96
95) Naphthalene	15.13	128	8798	1.519 ug/l		99
96) 1,2,3-Trichlorobenzene	15.32	180	3475	1.753 ug/l		93

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

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

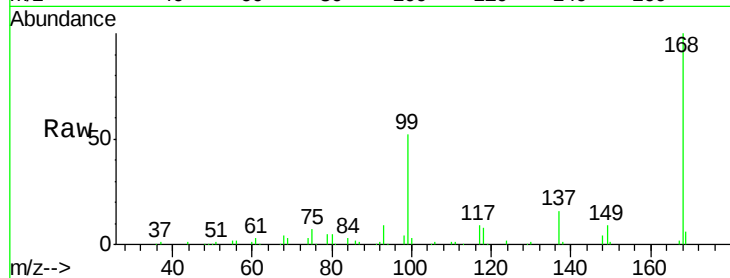
ClientSampled :

Tot Ion:168 Resp: 199878

Ion Ratio Lower Upper

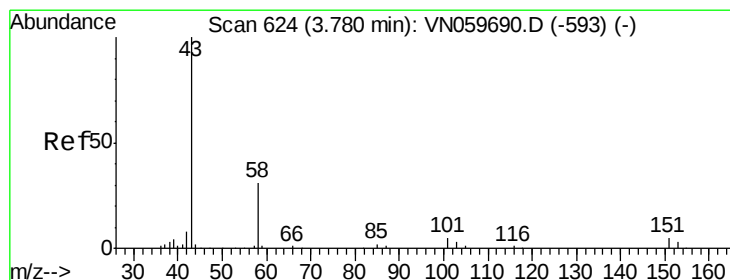
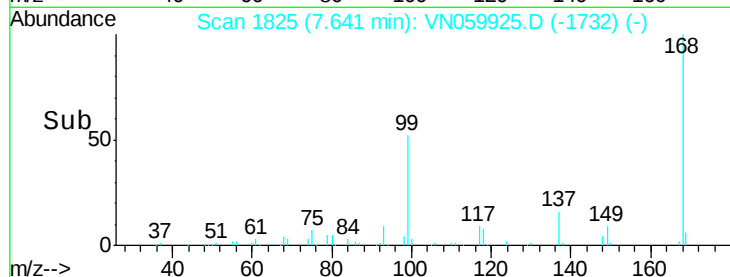
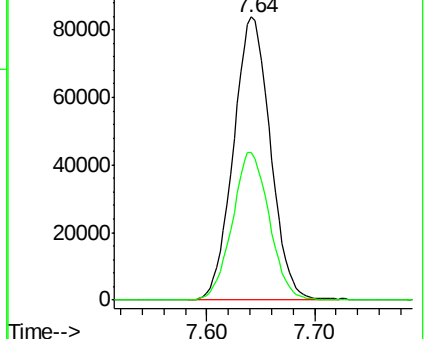
168 100

99 52.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059925.D

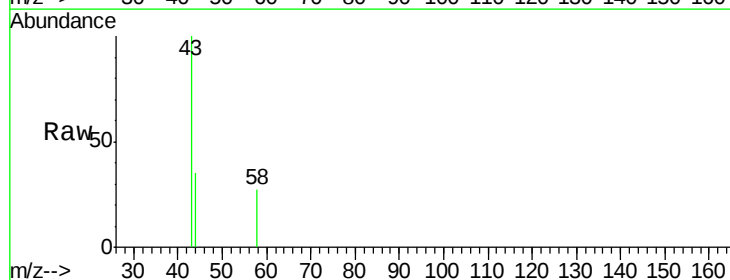
Acq: 30 Jan 2020 13:41

Tgt Ion: 43 Resp: 1917

Ion Ratio Lower Upper

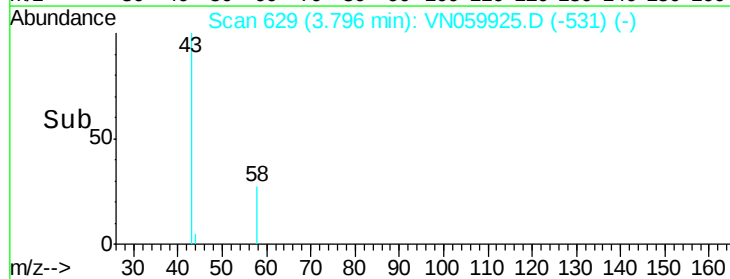
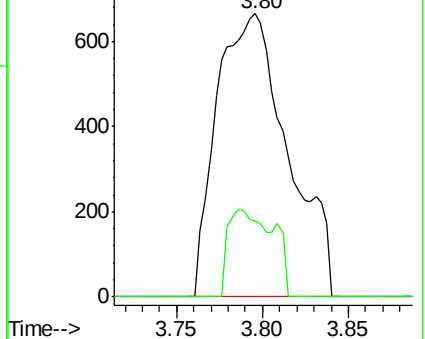
43 100

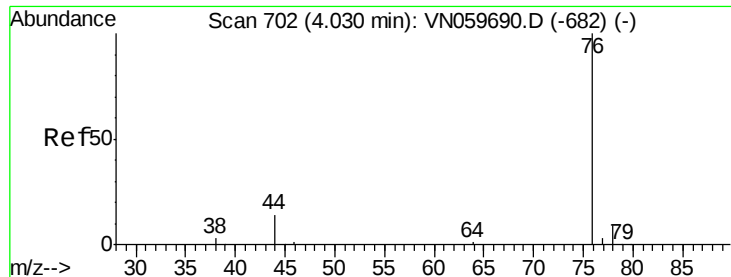
58 26.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

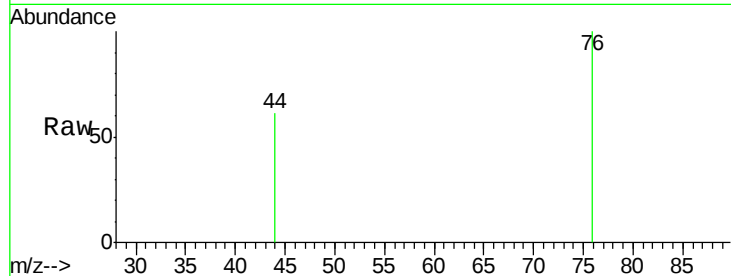




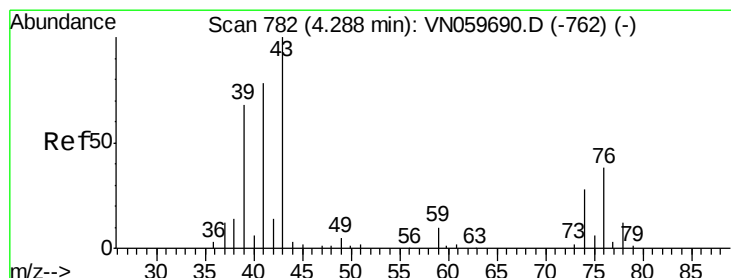
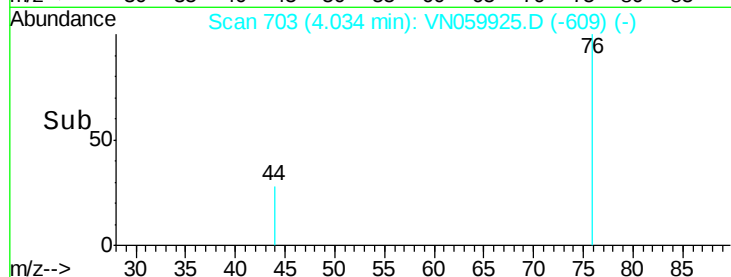
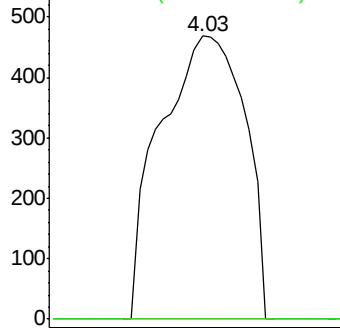
#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 76 Resp: 1124
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

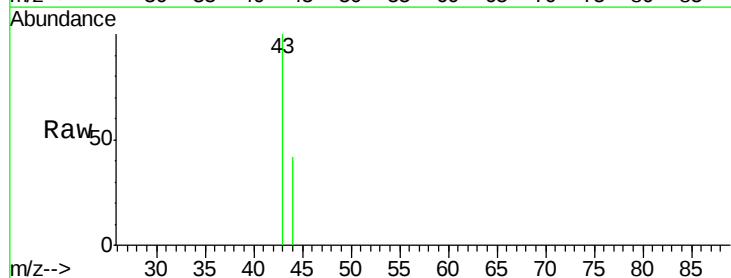


Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO

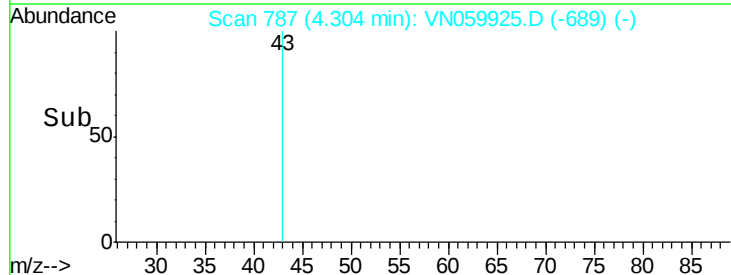
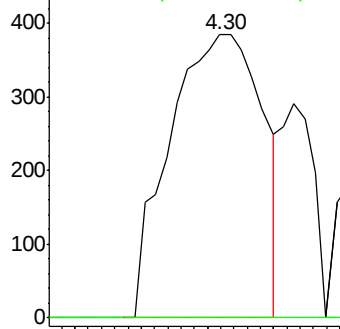


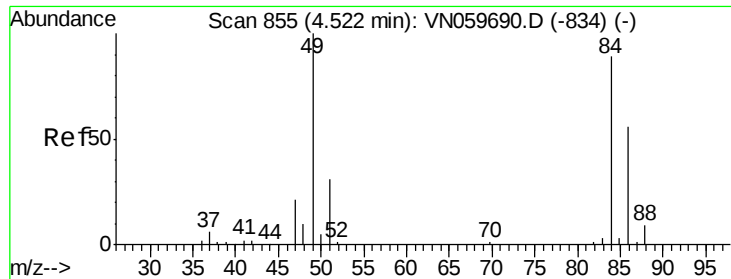
#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

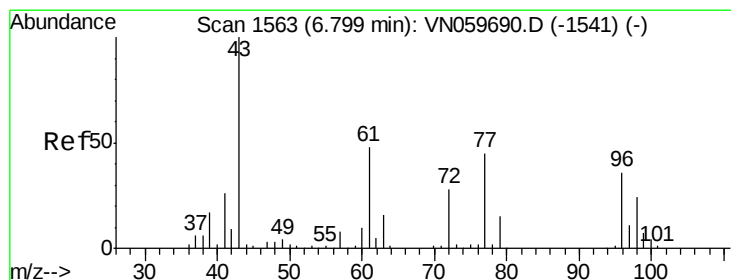
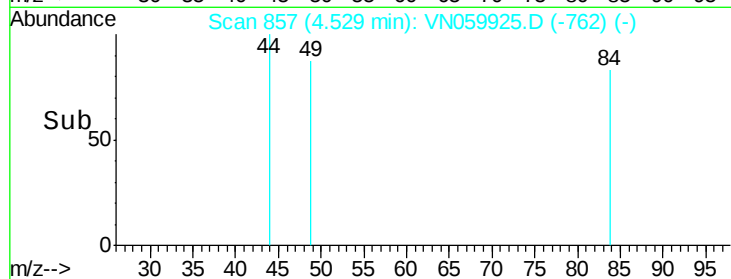
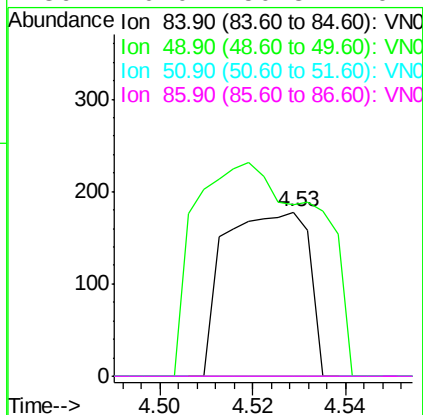
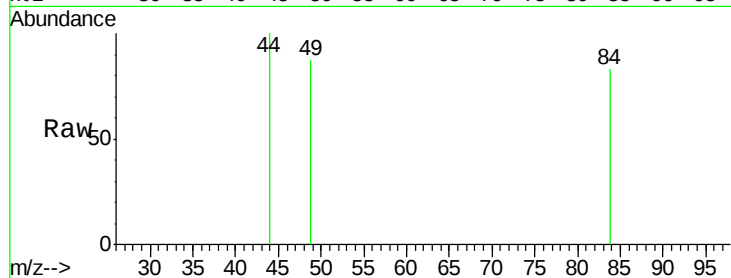




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

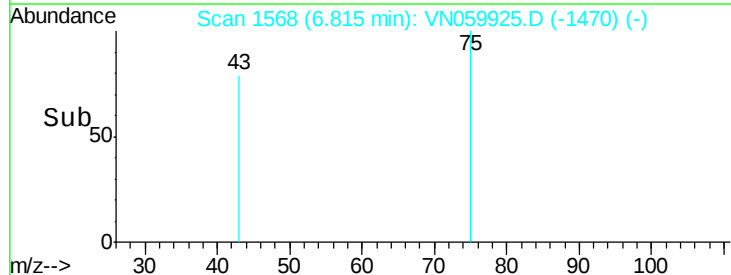
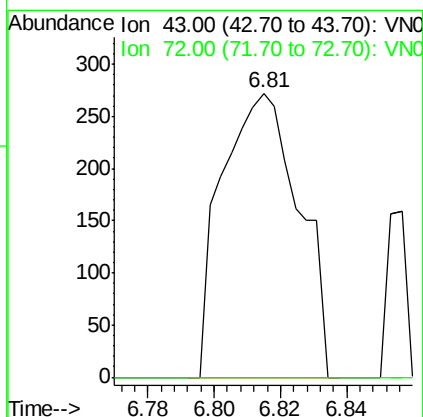
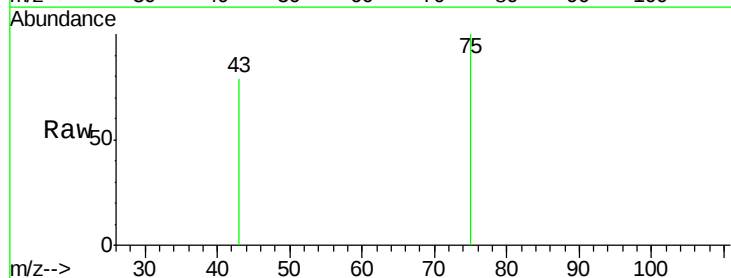
Instrument :
MSVOA_N
ClientSampleId :

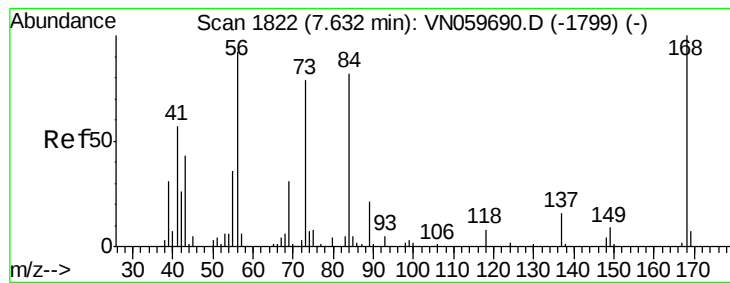
Tot Ion: 84 Resp: 223
Ion Ratio Lower Upper
84 100
49 18.0 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#25
2-Butanone
Concen: 0.349 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.147 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

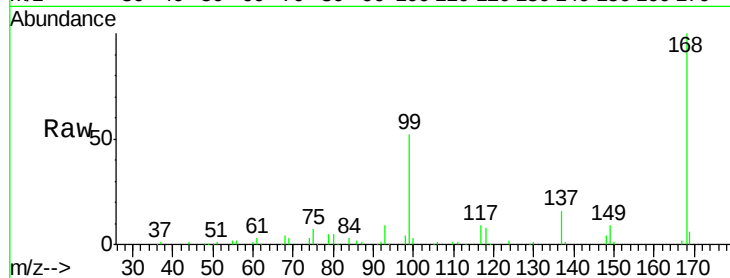
Tot Ion: 56 Resp: 3766

Ion Ratio Lower Upper

56 100

69 151.6 26.5 39.7#

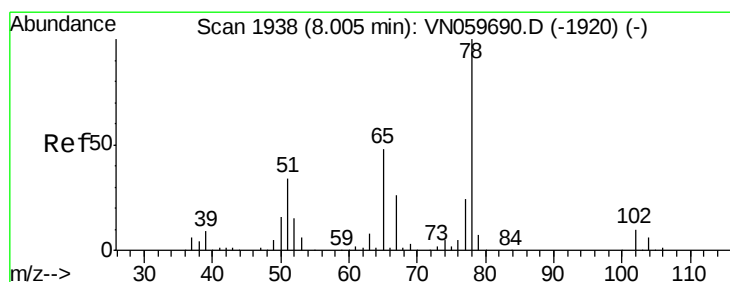
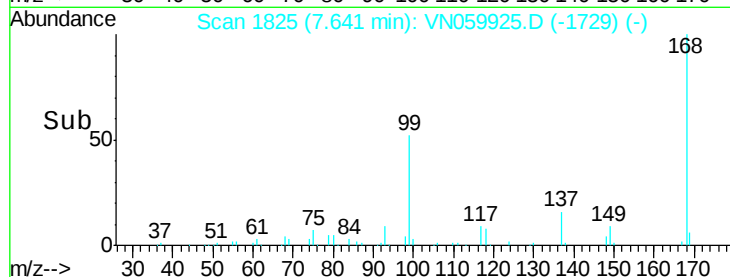
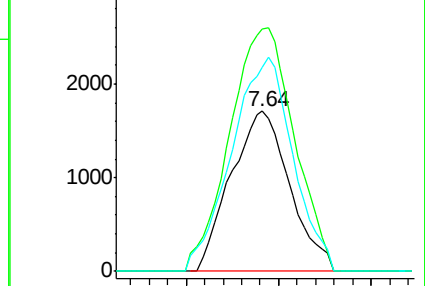
84 127.5 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059925.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059925.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059925.D (-1729) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.212 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059925.D

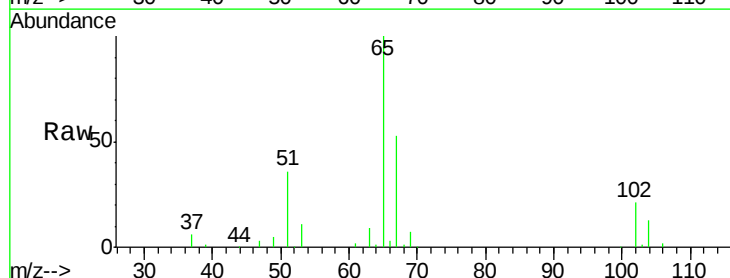
Acq: 30 Jan 2020 13:41

Tgt Ion: 65 Resp: 109235

Ion Ratio Lower Upper

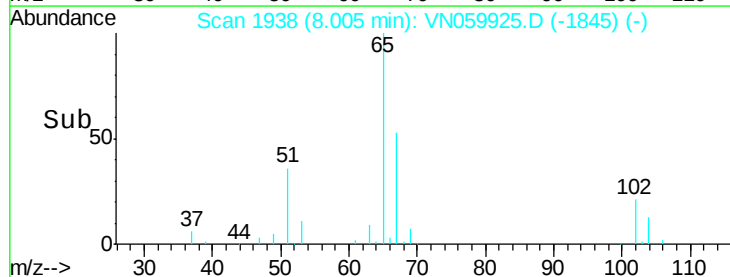
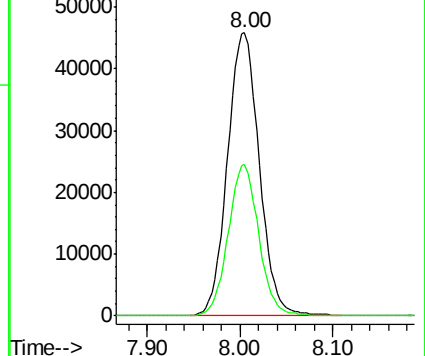
65 100

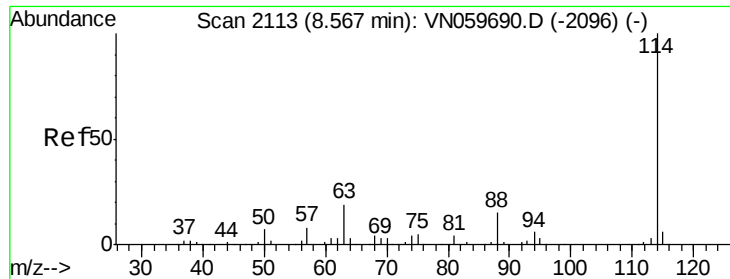
67 51.2 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059925.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059925.D (-1845) (-)

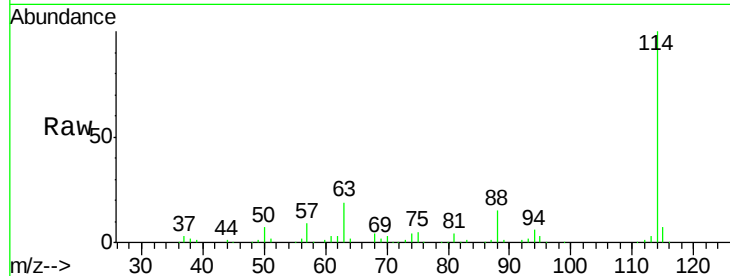




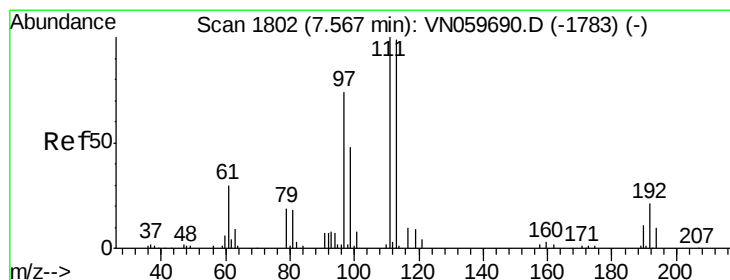
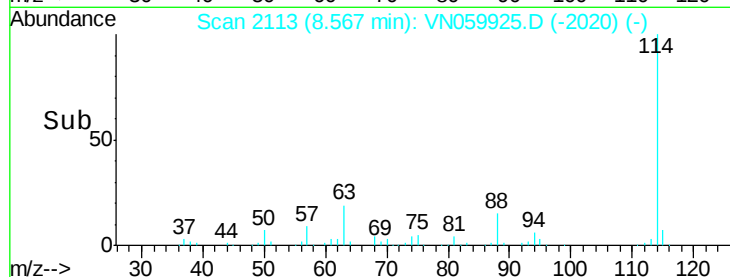
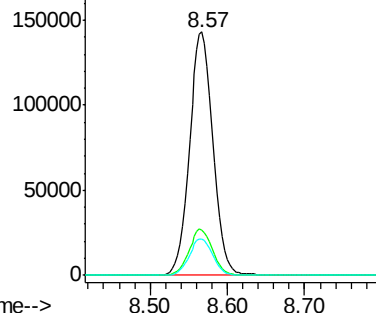
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 301940
Ion Ratio Lower Upper
114 100
63 18.8 0.0 43.6
88 14.9 0.0 31.4

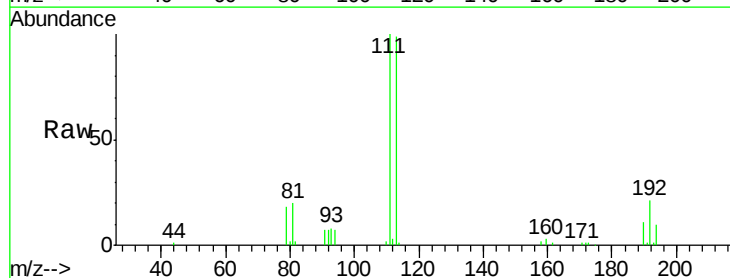


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

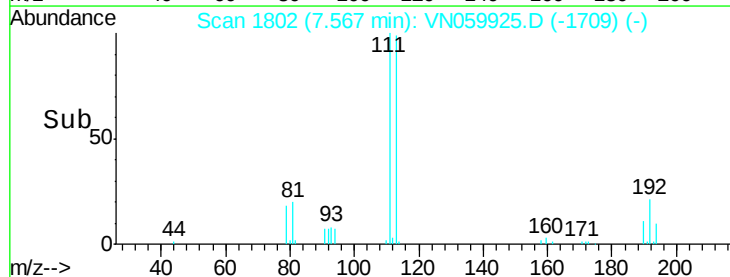
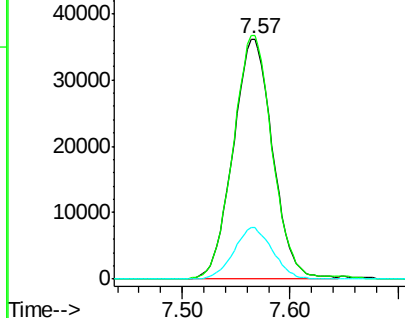


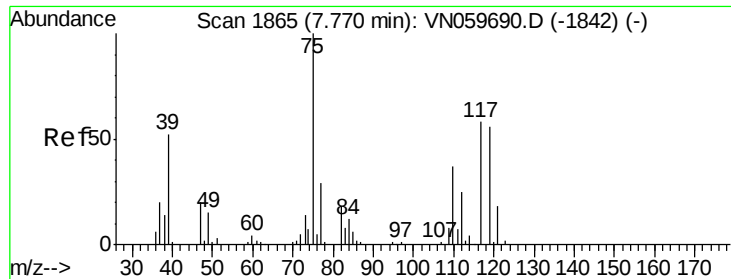
#35
Dibromofluoromethane
Concen: 51.200 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion:113 Resp: 92191
Ion Ratio Lower Upper
113 100
111 100.5 83.5 125.3
192 20.9 15.4 23.2



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

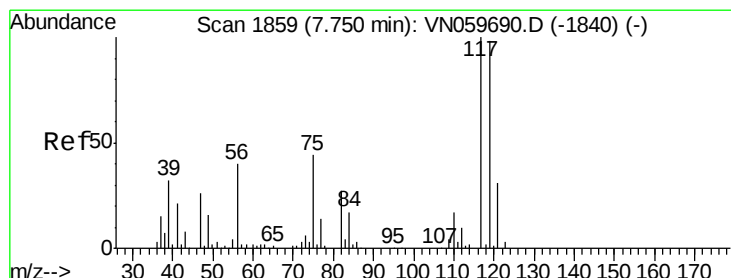
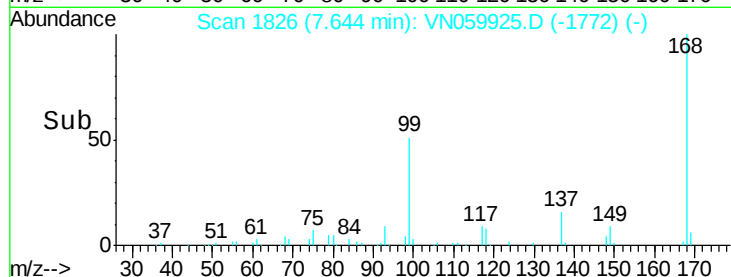
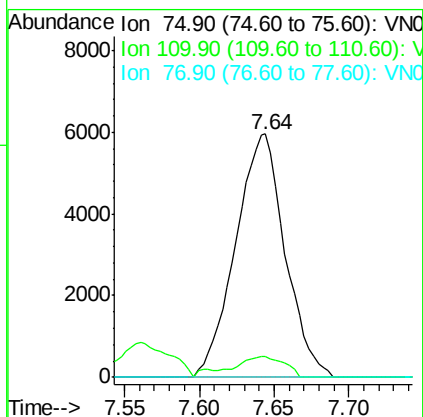
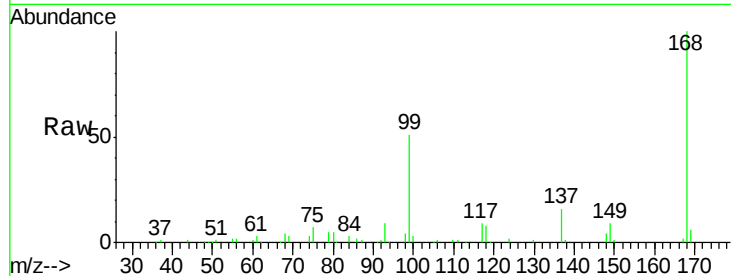




#36
 1,1-Dichloropropene
 Concen: 5.202 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059925.D
 Acq: 30 Jan 2020 13:41

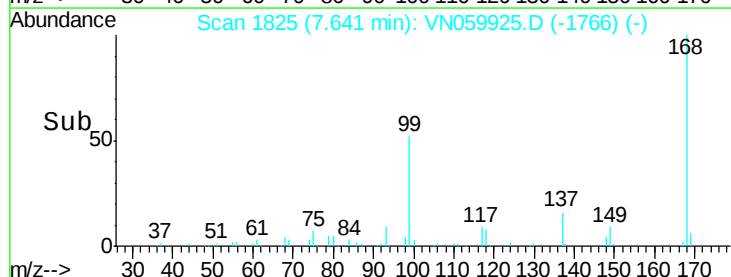
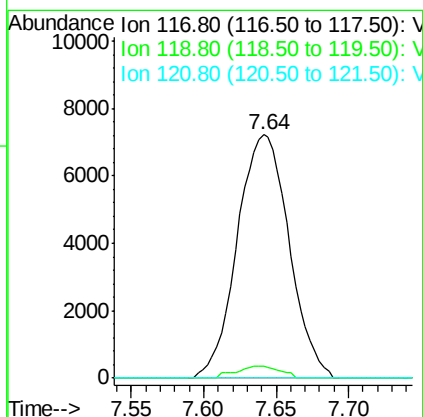
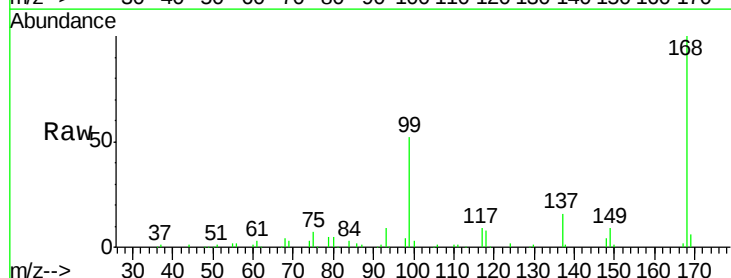
Instrument :
 MSVOA_N
 ClientSampled :

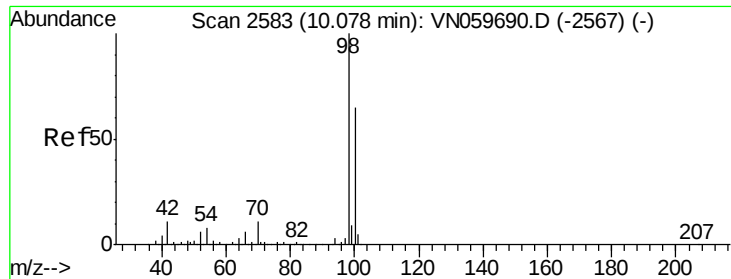
Tot Ion: 75 Resp: 13677
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.6 49.7#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.262 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059925.D
 Acq: 30 Jan 2020 13:41

Tgt Ion: 117 Resp: 17912
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.5 114.7#
 121 0.0 25.1 37.7#

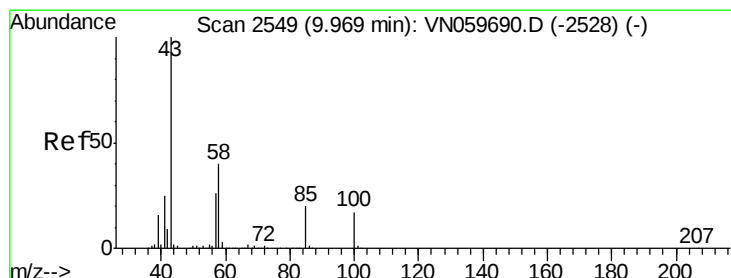
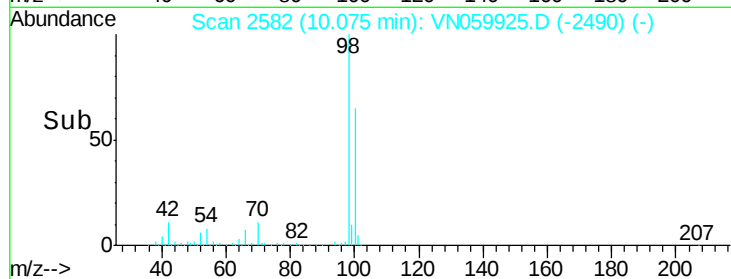
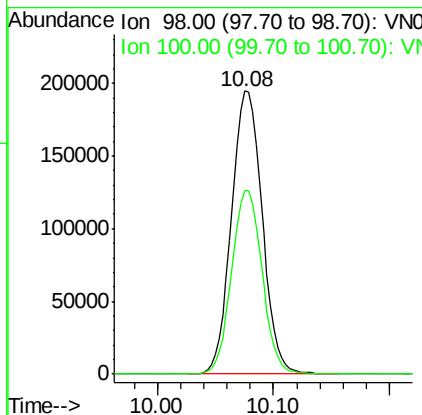
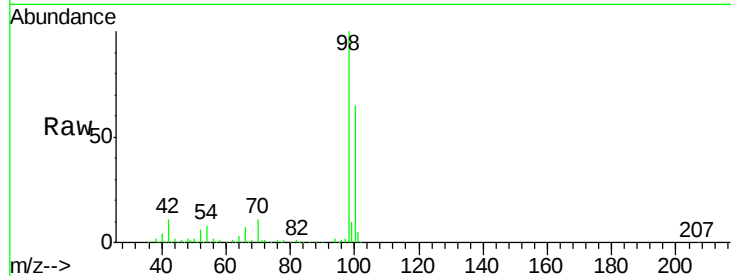




#50
Toluene-d8
Concen: 51.500 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

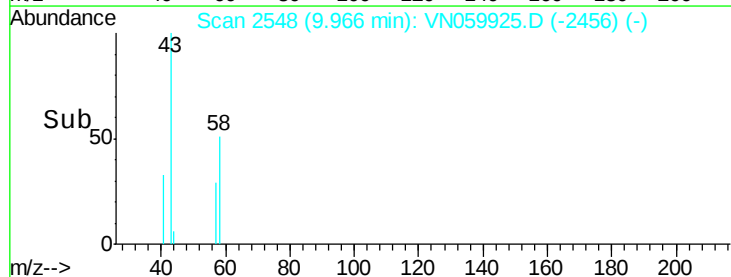
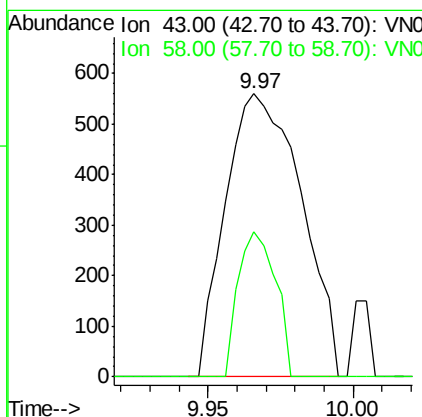
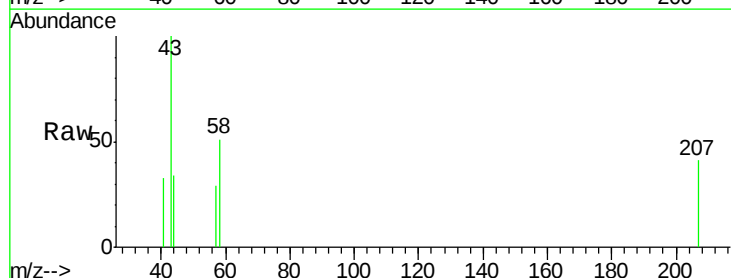
Instrument :
MSVOA_N
ClientSampleId :

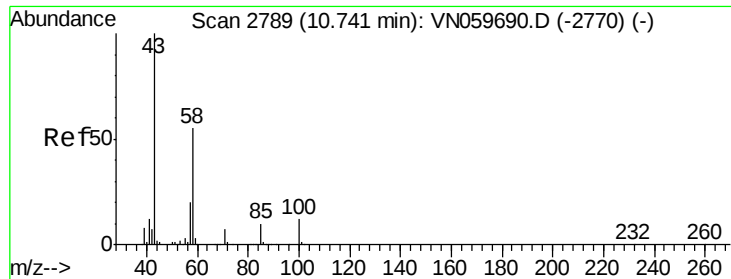
Tot Ion: 98 Resp: 359285
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.414 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 25.4 29.8 44.8#

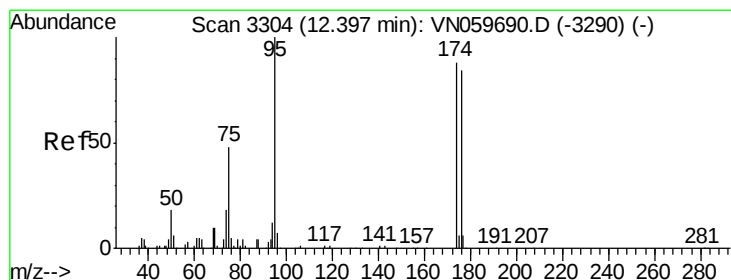
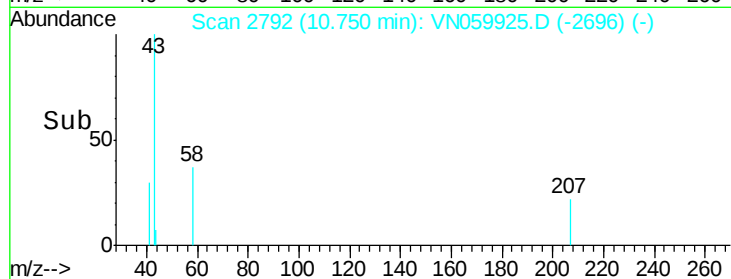
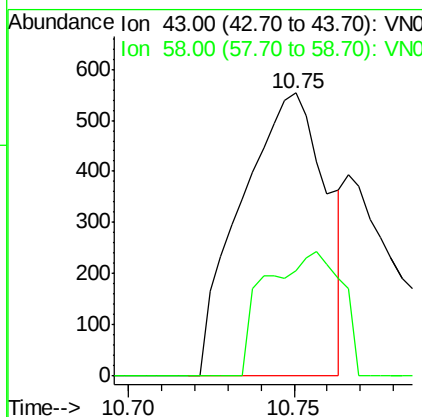
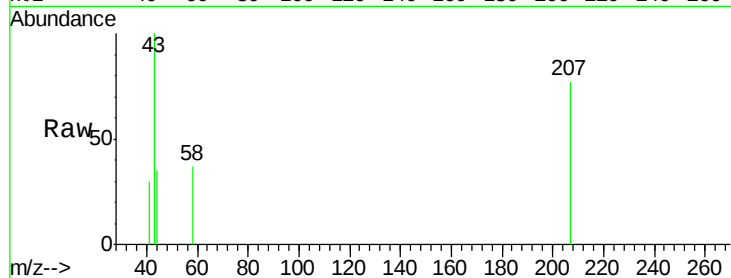




#59
2-Hexanone
Concen: 0.547 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

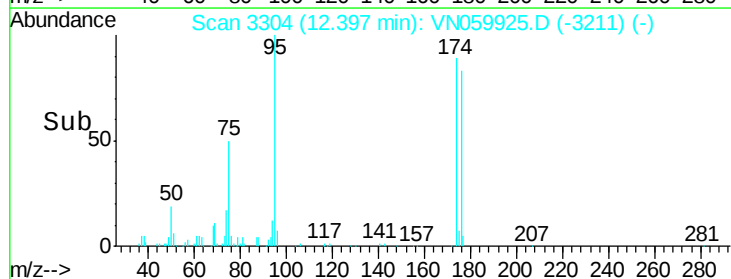
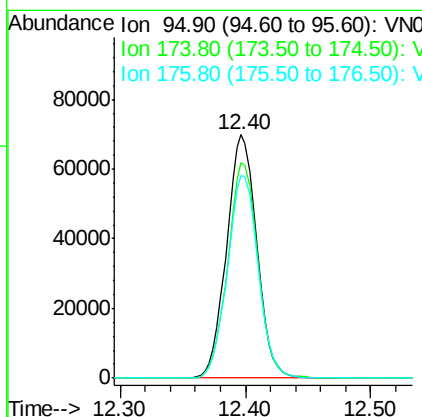
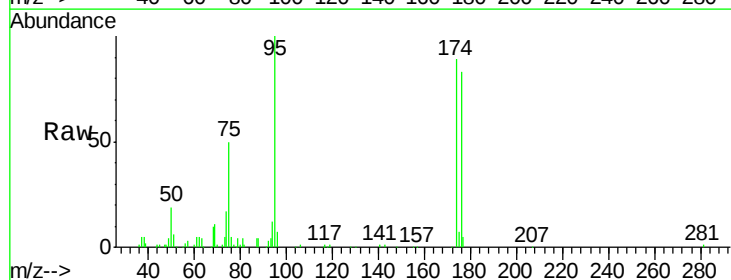
Instrument :
MSVOA_N
ClientSampleId :

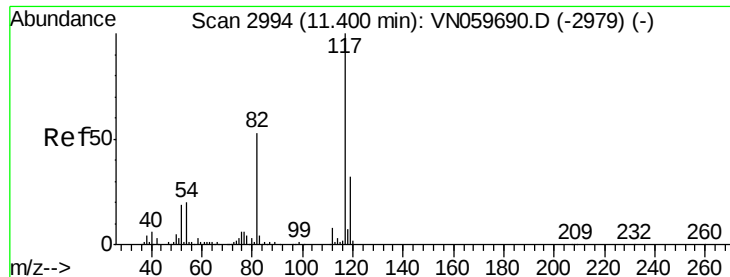
Tot Ion: 43 Resp: 988
Ion Ratio Lower Upper
43 100
58 39.4 25.8 77.3



#62
4-Bromofluorobenzene
Concen: 46.484 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion: 95 Resp: 116908
Ion Ratio Lower Upper
95 100
174 88.2 0.0 151.4
176 84.8 0.0 146.0

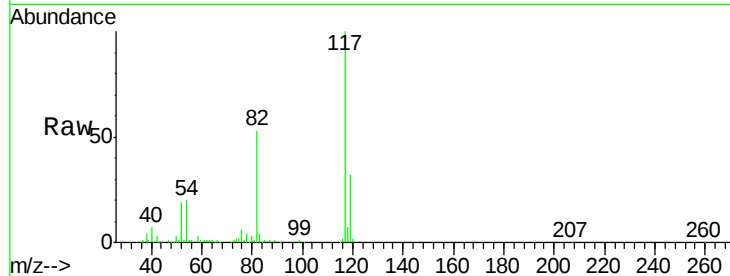




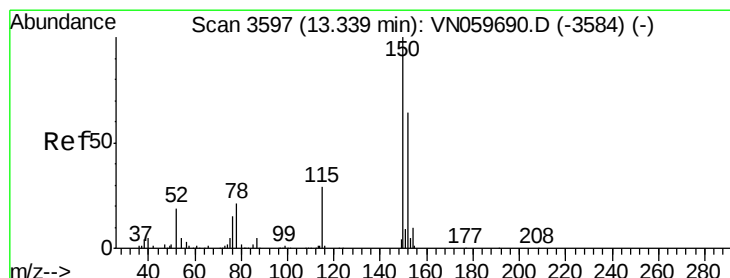
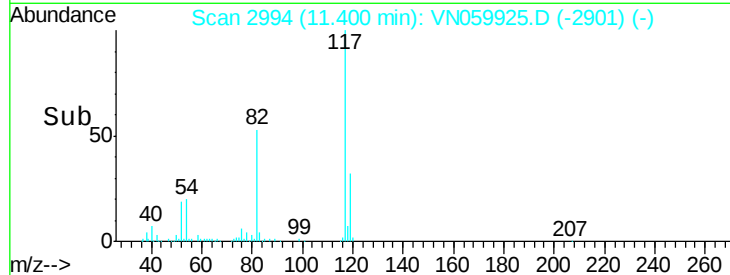
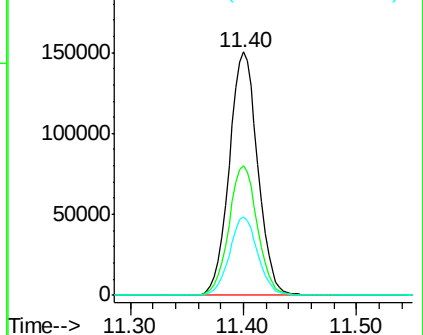
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.9	68.9
119	32.3	25.5	38.3

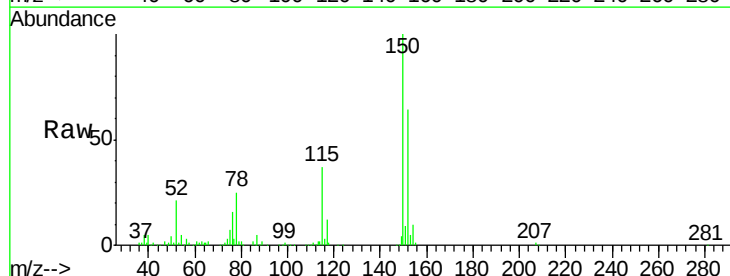


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

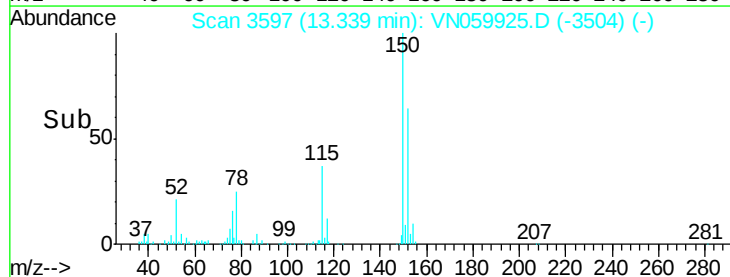
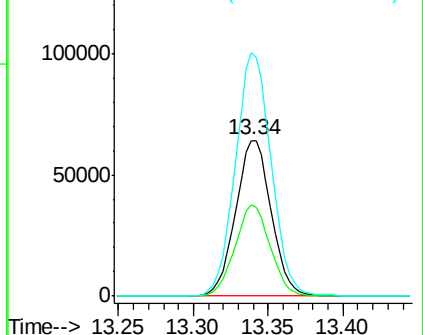


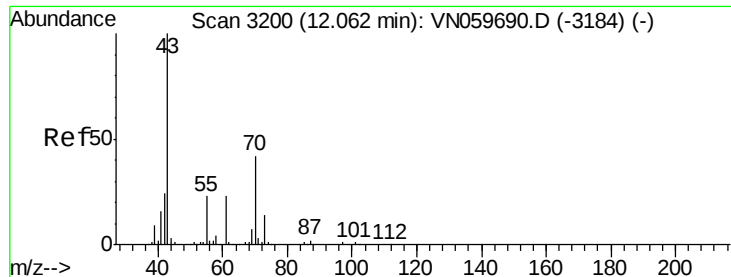
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	30.3	90.9
150	157.2	0.0	345.2



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





#74

N-amvl acetate

Concen: 0.306 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 925

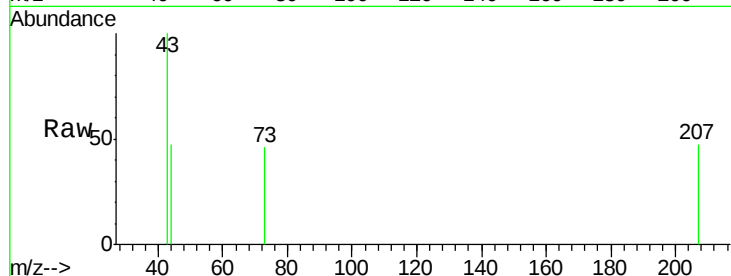
Ion Ratio Lower Upper

43 100

70 3.2 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

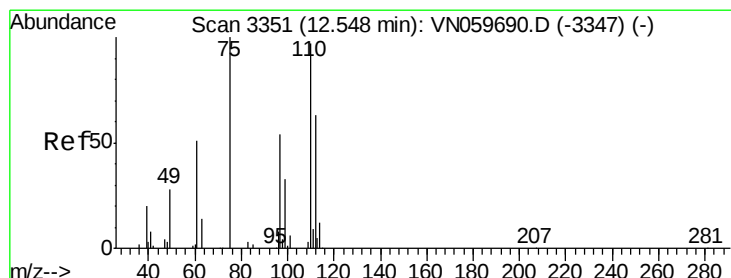
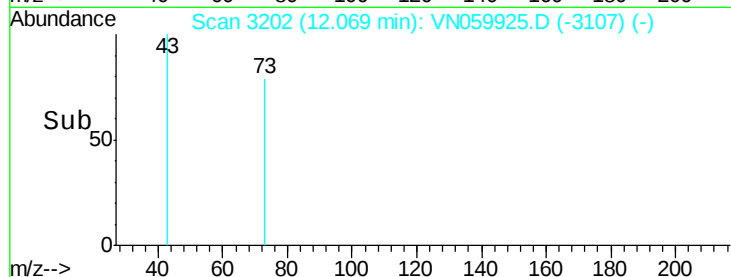
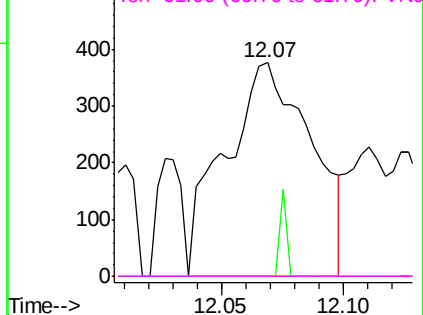


Abundance Ion 43.00 (42.70 to 43.70): VN059925.D (-3107) (-)

Ion 70.00 (69.70 to 70.70): VN059925.D (-3107) (-)

Ion 55.00 (54.70 to 55.70): VN059925.D (-3107) (-)

Ion 61.00 (60.70 to 61.70): VN059925.D (-3107) (-)



#76

1,2,3-Trichloropropane

Concen: 32.995 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059925.D

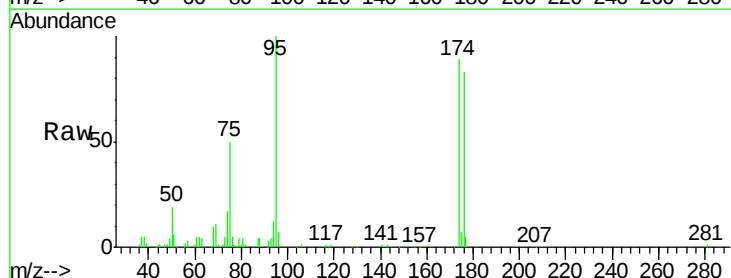
Acq: 30 Jan 2020 13:41

Tgt Ion: 75 Resp: 58992

Ion Ratio Lower Upper

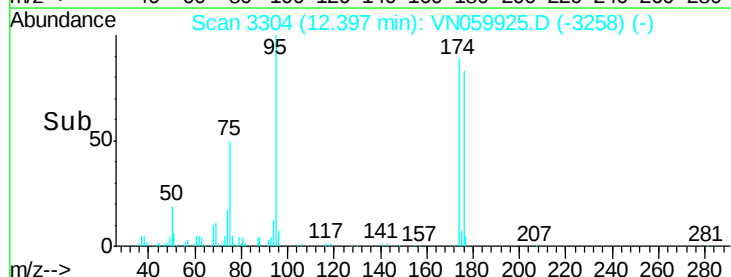
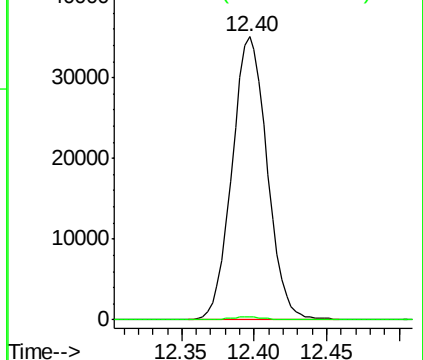
75 100

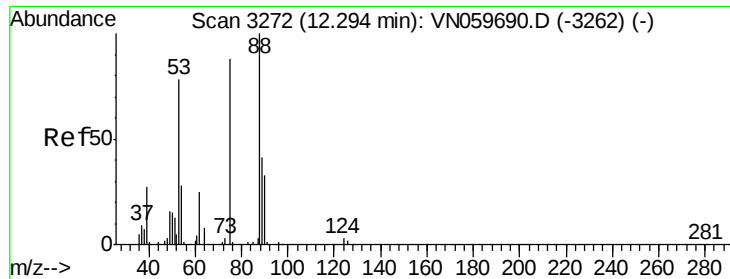
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059925.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059925.D (-3258) (-)

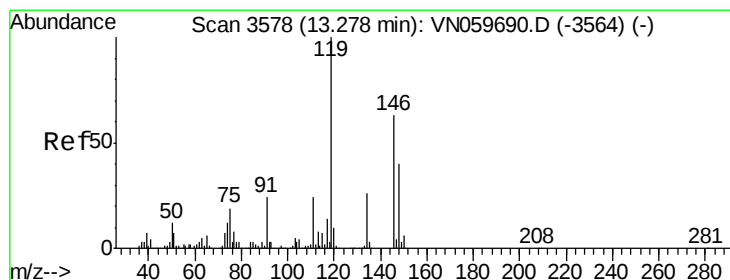
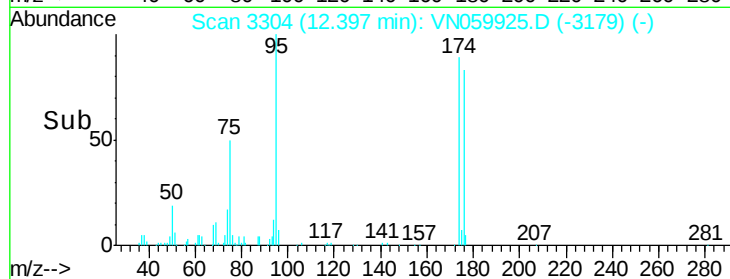
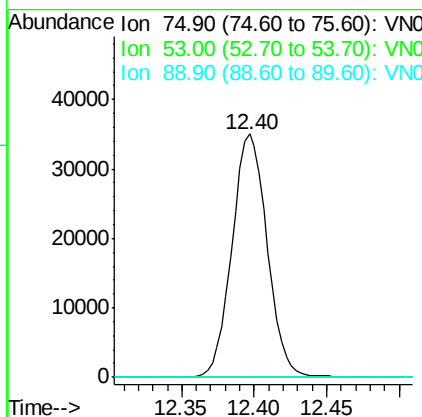
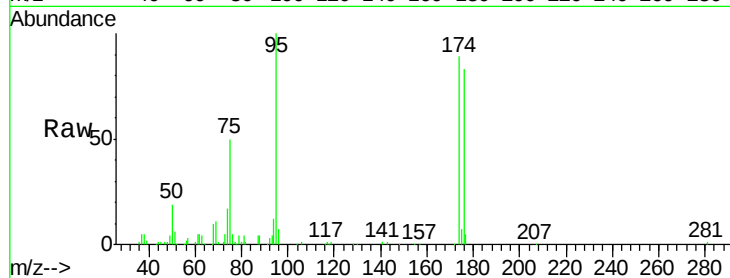




#81
trans-1,4-Dichloro-2-butene
Concen: 70.856 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

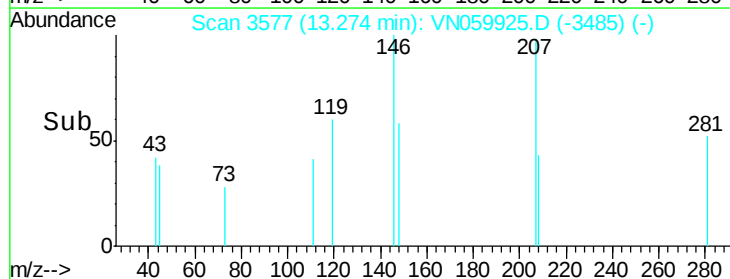
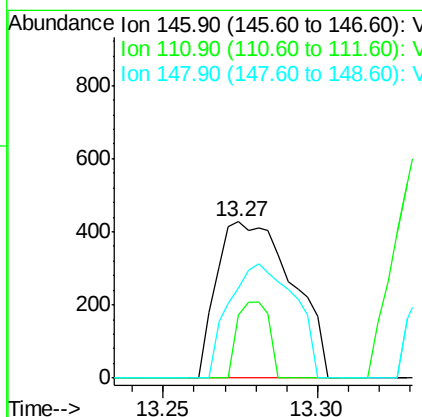
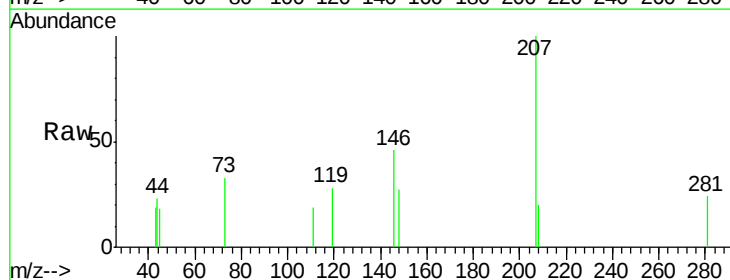
Instrument :
MSVOA_N
ClientSampled :

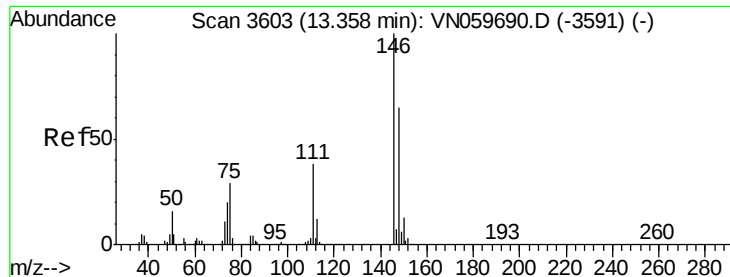
Tot Ion: 75 Resp: 58992
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#87
1,3-Dichlorobenzene
Concen: 0.213 ug/l
RT: 13.27 min Scan# 3577
Delta R.T. -0.00 min
Lab File: VN059925.D
Acq: 30 Jan 2020 13:41

Tgt Ion: 146 Resp: 729
Ion Ratio Lower Upper
146 100
111 20.3 20.8 62.2#
148 63.2 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 0.304 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

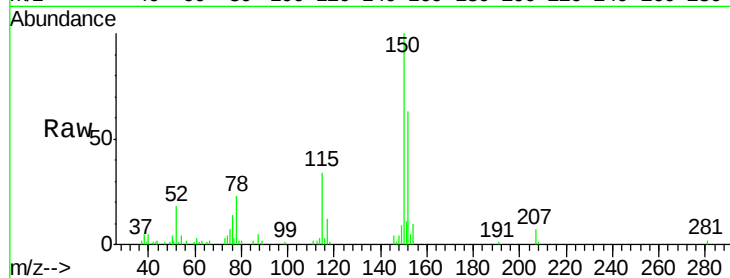
Tot Ion:146 Resp: 1038

Ion Ratio Lower Upper

146 100

111 167.2 20.8 62.2#

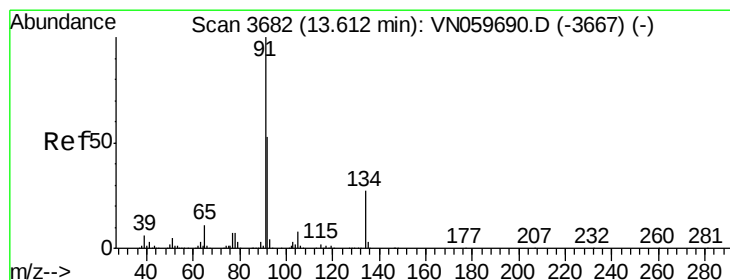
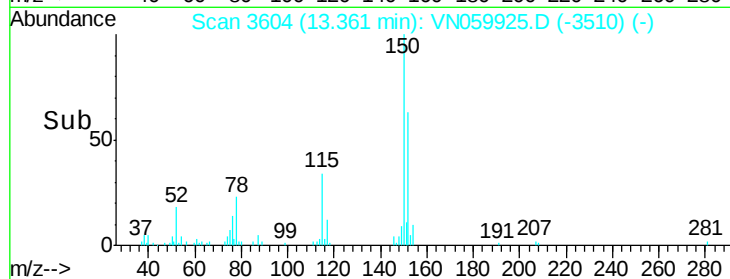
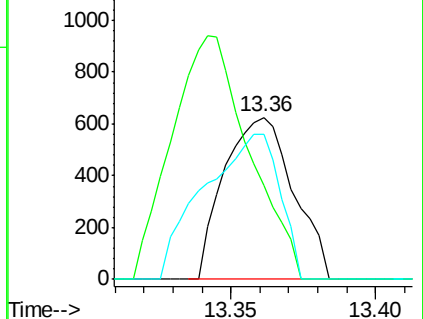
148 98.1 31.8 95.4#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.228 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

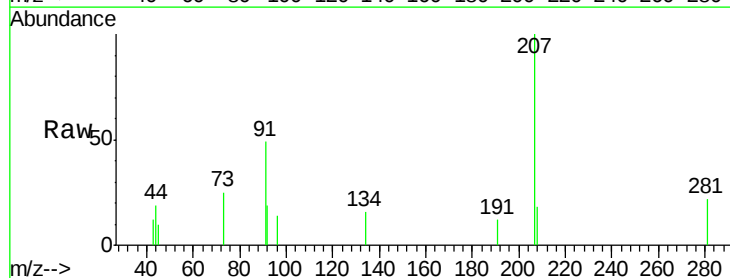
Tgt Ion: 91 Resp: 1338

Ion Ratio Lower Upper

91 100

92 27.7 25.9 77.7

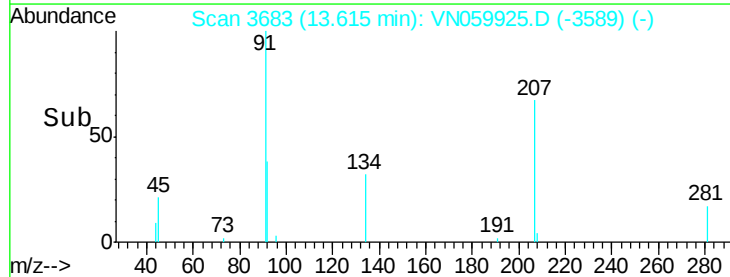
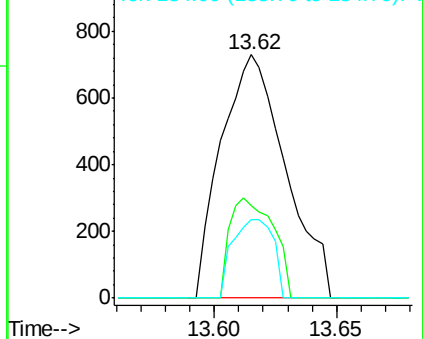
134 20.3 12.3 36.8

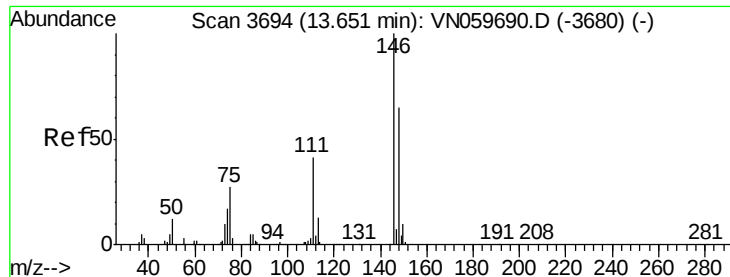


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.289 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampled :

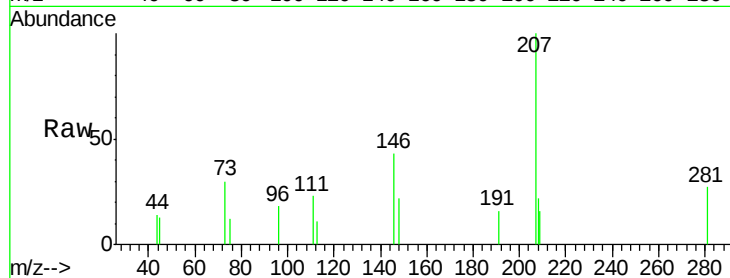
Tot Ion:146 Resp: 979

Ion Ratio Lower Upper

146 100

111 29.6 21.6 64.8

148 65.0 31.6 95.0

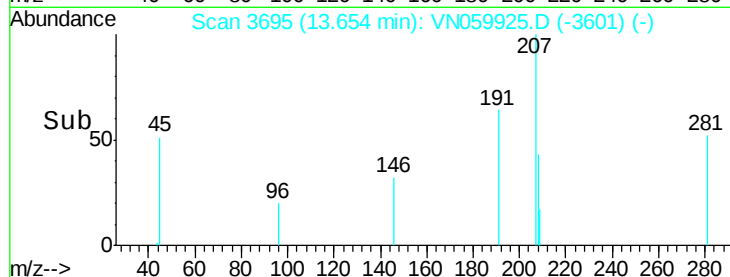


Abundance Ion 145.90 (145.60 to 146.60): V

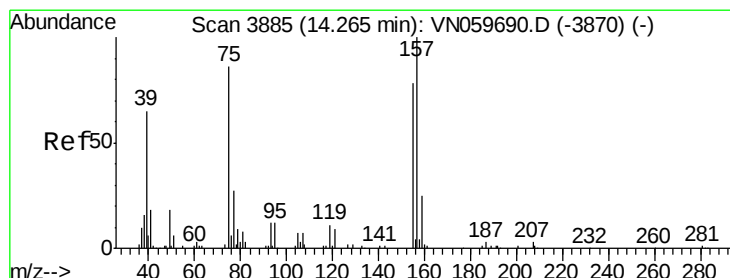
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

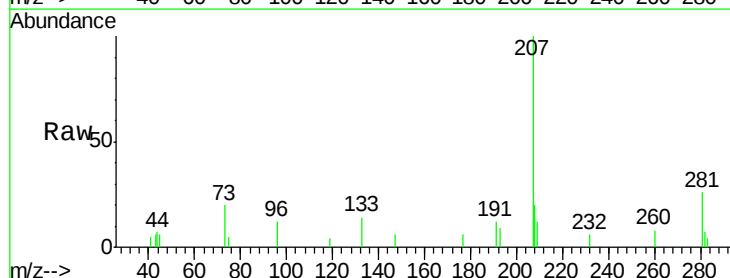
Tgt Ion: 75 Resp: 169

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

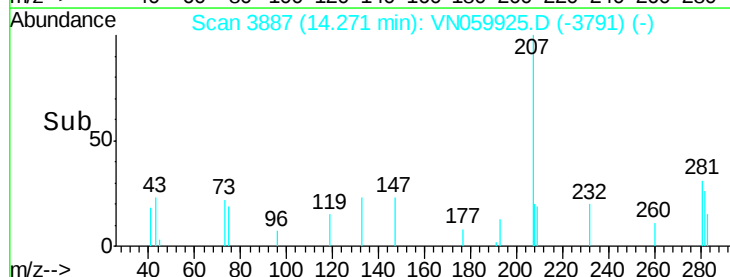


Abundance Ion 74.90 (74.60 to 75.60): V

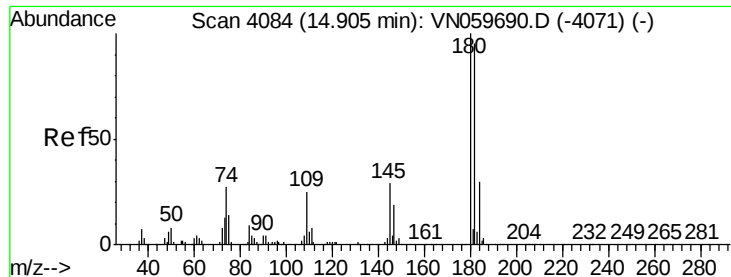
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.089 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

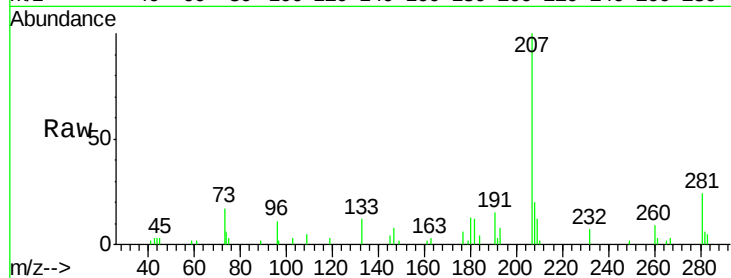
Tot Ion:180 Resp: 2217

Ion Ratio Lower Upper

180 100

182 85.5 46.9 140.7

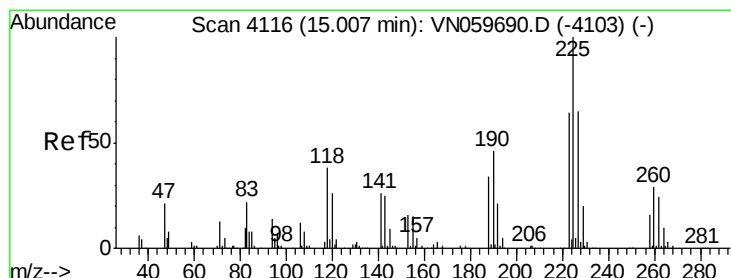
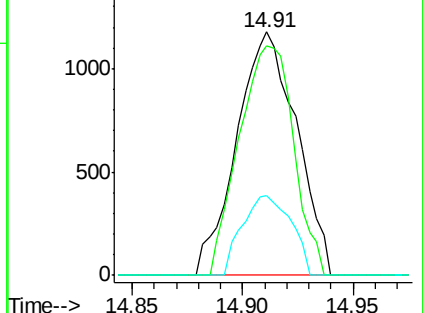
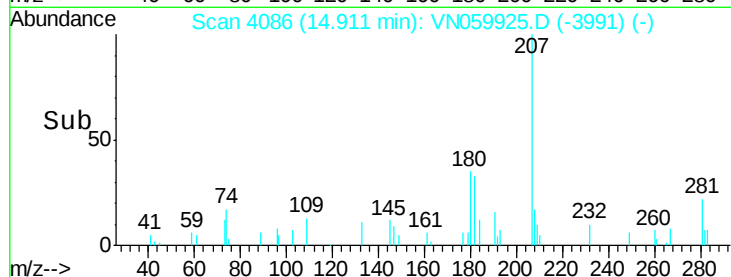
145 26.8 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.640 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

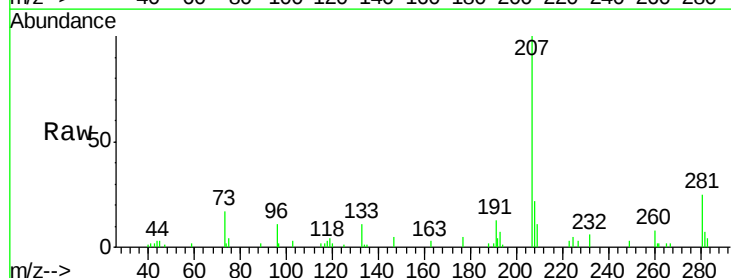
Tgt Ion:225 Resp: 718

Ion Ratio Lower Upper

225 100

223 63.1 31.8 95.3

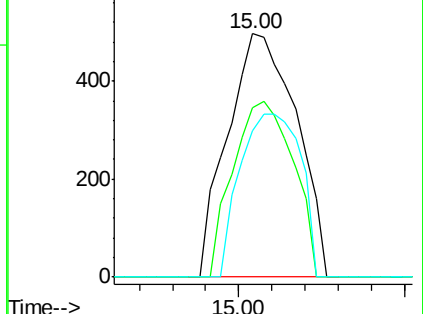
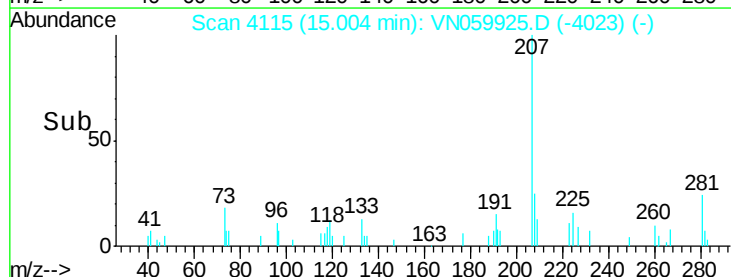
227 58.6 32.1 96.5

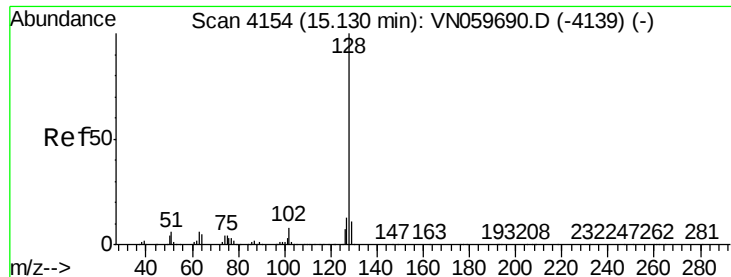


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.519 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

Instrument :

MSVOA_N

ClientSampleId :

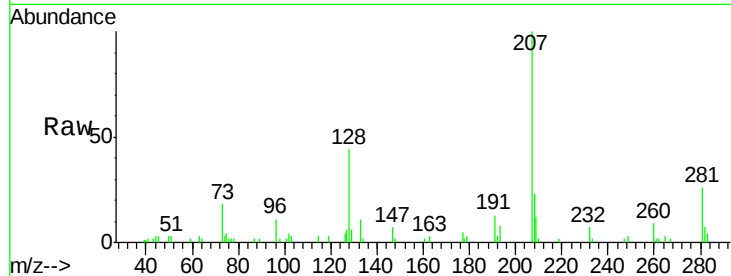
Tot Ion:128 Resp: 8798

Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

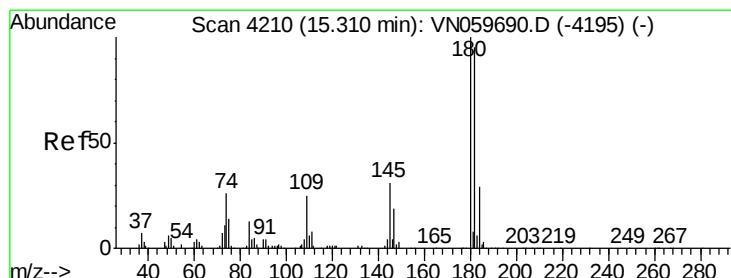
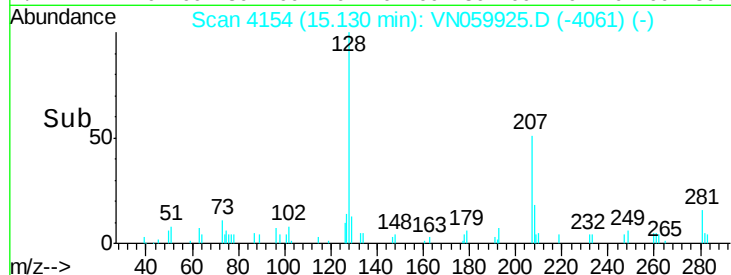
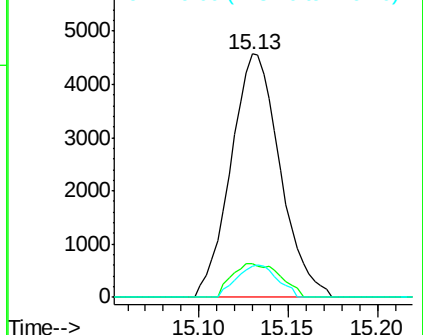
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.753 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN059925.D

Acq: 30 Jan 2020 13:41

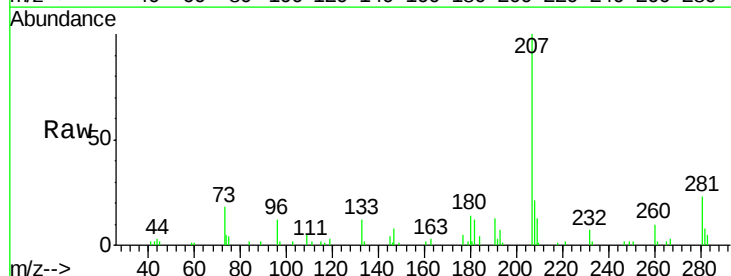
Tgt Ion:180 Resp: 3475

Ion Ratio Lower Upper

180 100

182 86.9 47.4 142.3

145 31.8 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

