

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062620\
 Data File : VX016982.D
 Acq On : 26 Jun 2020 14:44
 Operator : JC/SP
 Sample : L3117-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:23:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	211804	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	384621	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	385897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198571	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	174612	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	5.47	113	128619	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	8.70	98	483894	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.12	95	201781	56.04	ug/l	0.00
Spiked Amount			Recovery	=	112.08%	

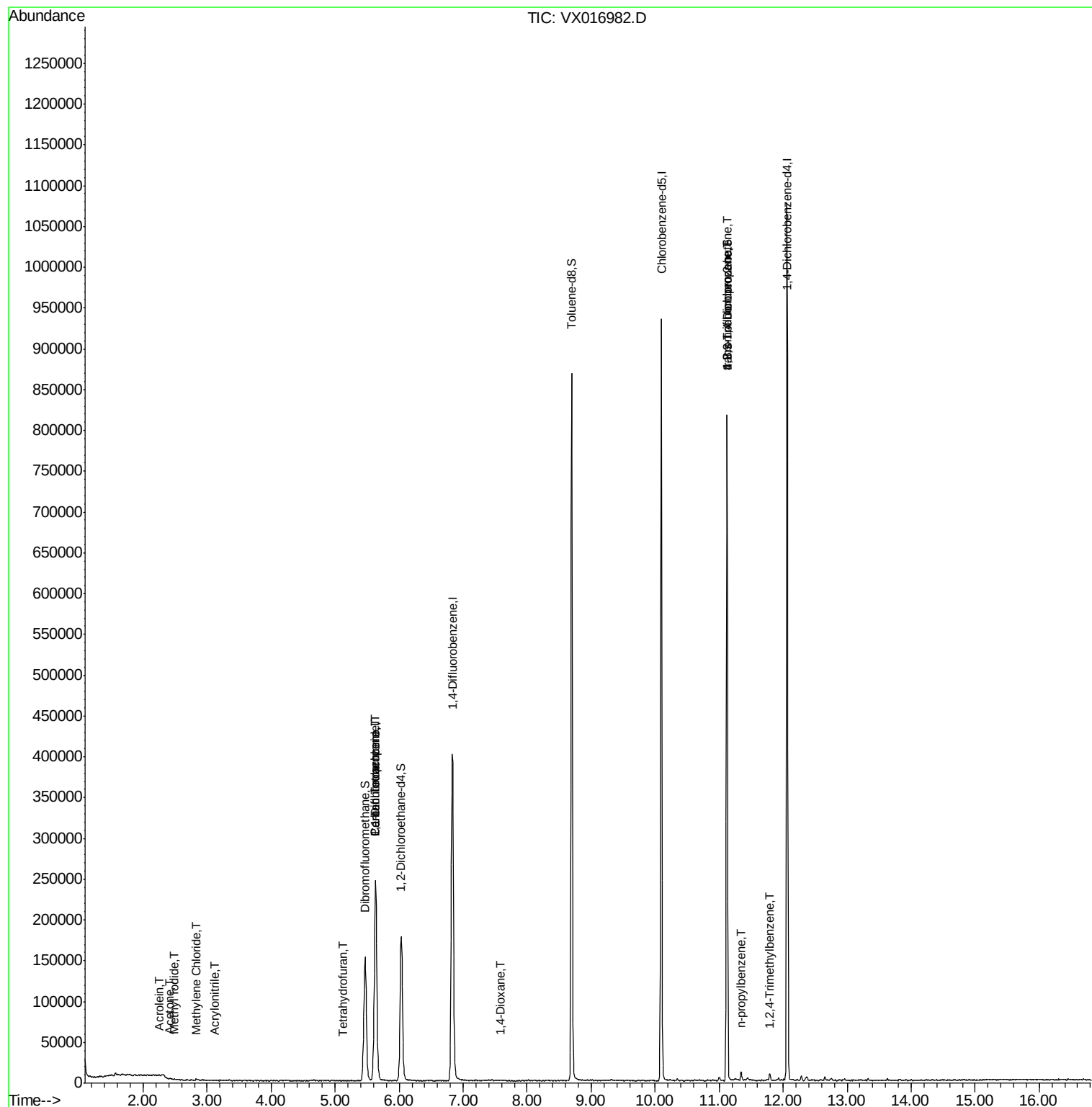
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.59	94	291	Below Cal	#	75
10) Methyl Iodide	2.49	142	121	2.823	ug/l #	79
13) Acrolein	2.26	56	302	0.675	ug/l #	71
15) Acrylonitrile	3.11	53	365	0.260	ug/l #	62
16) Acetone	2.41	43	1235	0.988	ug/l #	84
20) Methylene Chloride	2.84	84	624	0.220	ug/l #	89
29) Tetrahydrofuran	5.11	42	463	0.370	ug/l #	44
36) 1,1-Dichloropropene	5.64	75	19853	5.213	ug/l #	42
38) Carbon Tetrachloride	5.63	117	23981	5.950	ug/l #	18
49) 1,4-Dioxane	7.59	88	30	0.449	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	112131	26.908	ug/l #	37
78) n-propylbenzene	11.34	91	5578	0.346	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	112131	68.315	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.79	105	3544	0.308	ug/l	98

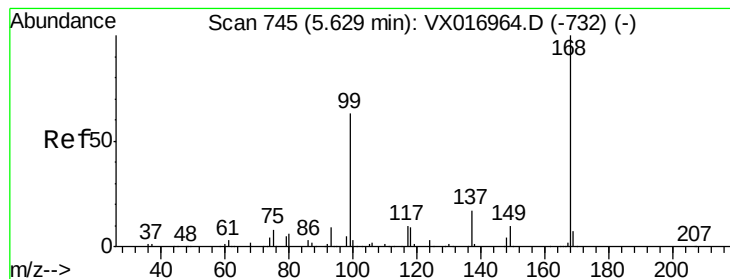
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

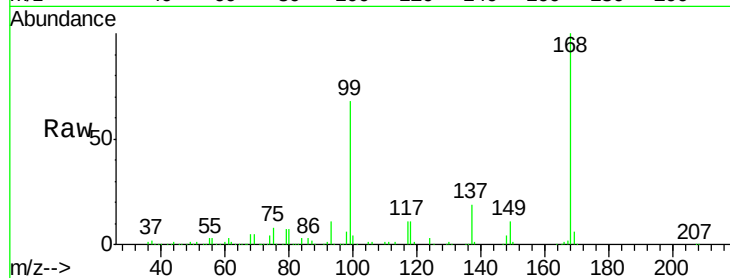
ClientSampleId :

Tot Ion:168 Resp: 211804

Ion Ratio Lower Upper

168 100

99 67.6 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

40000

20000

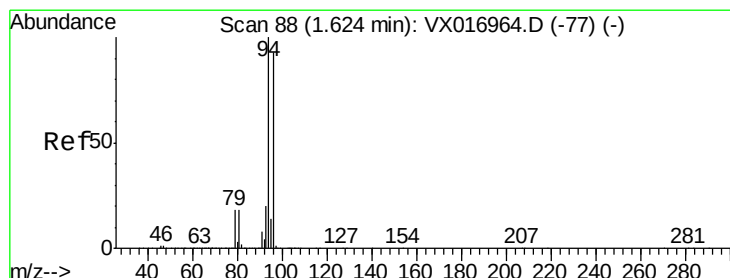
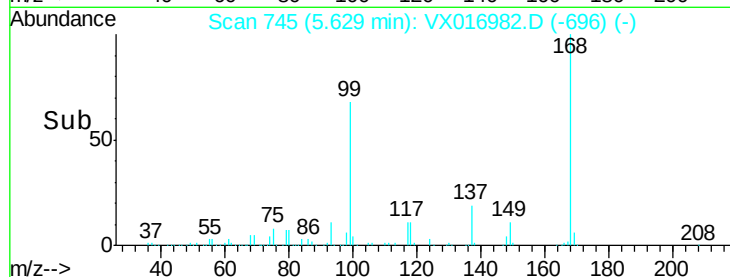
0

Time-->

5.50

5.60

5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.59 min Scan# 82

Delta R.T. -0.04 min

Lab File: VX016982.D

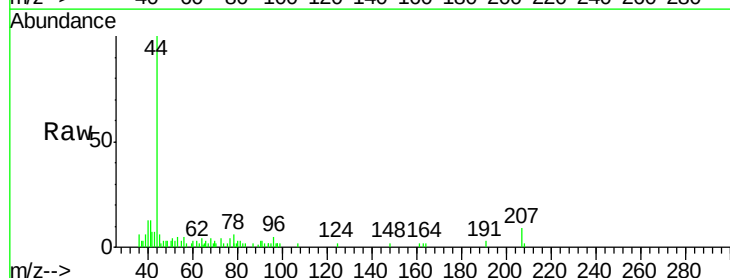
Acq: 26 Jun 2020 14:44

Tgt Ion: 94 Resp: 291

Ion Ratio Lower Upper

94 100

96 68.4 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.59

200

150

100

50

0

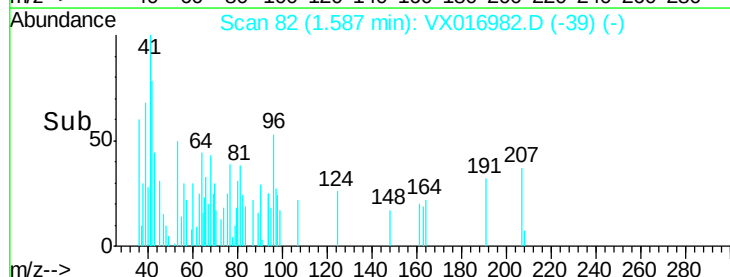
Time-->

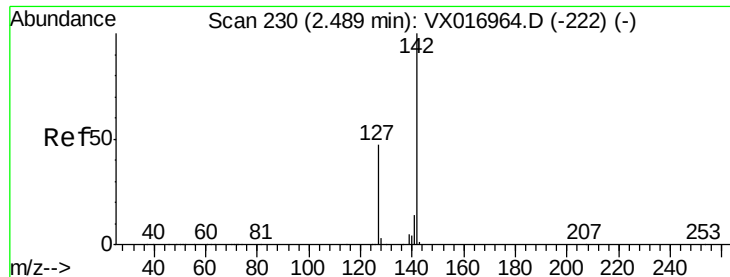
1.56

1.58

1.60

1.62

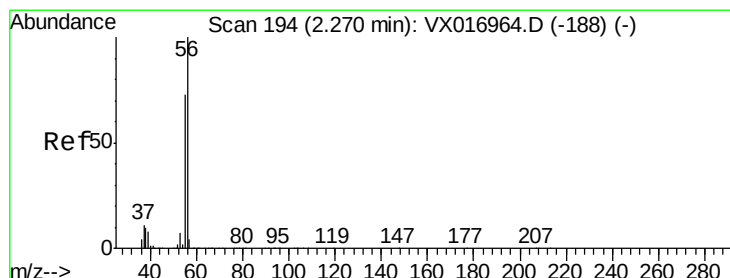
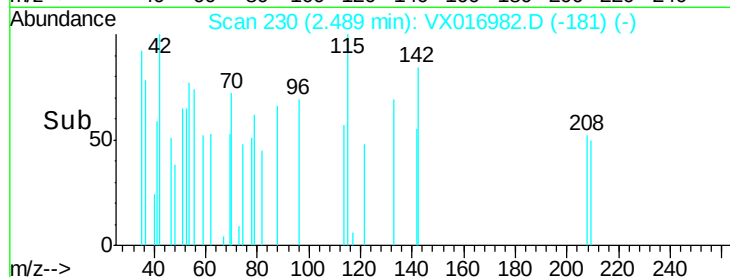
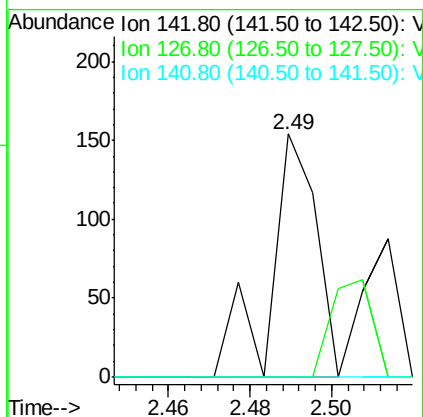
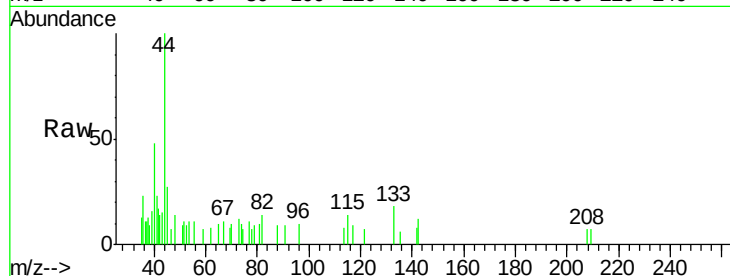




#10
Methvl Iodide
Concen: 2.823 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

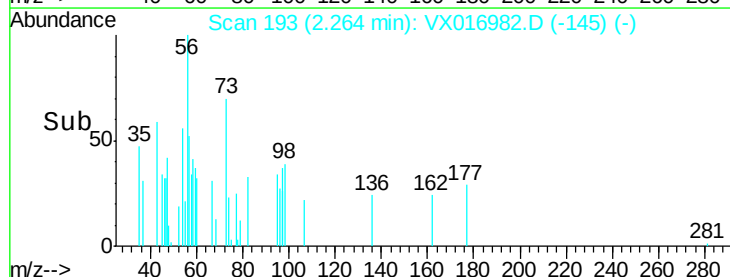
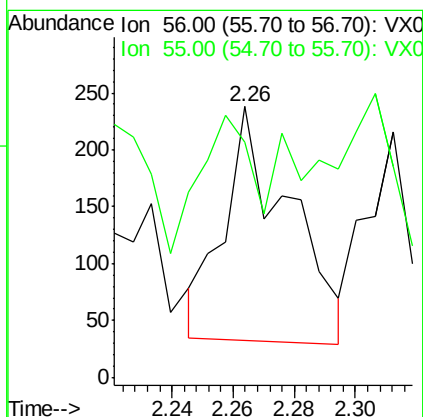
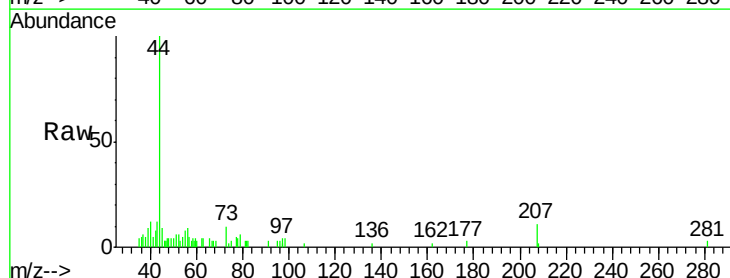
Instrument :
MSVOA_X
ClientSampleId :

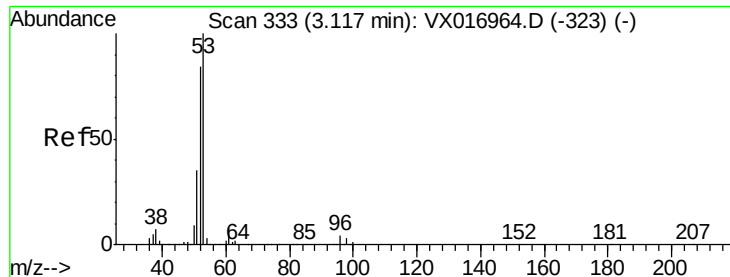
Tot Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 35.5 37.4 56.0#
141 0.0 11.7 17.5#



#13
Acrolein
Concen: 0.675 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

Tgt Ion: 56 Resp: 302
Ion Ratio Lower Upper
56 100
55 47.4 57.5 86.3#





#15

Acrylonitrile

Concen: 0.260 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

ClientSampled :

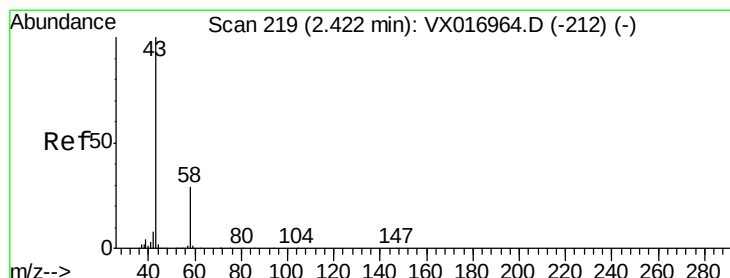
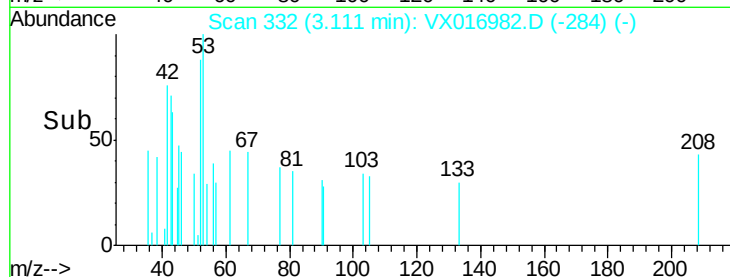
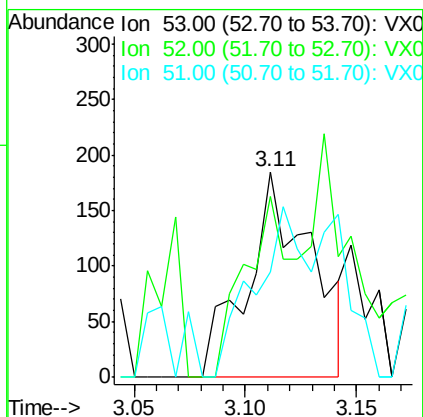
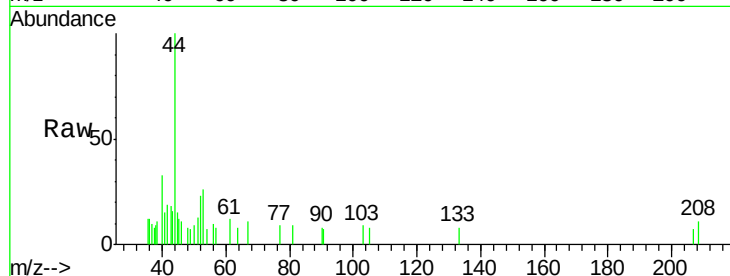
Tot Ion: 53 Resp: 365

Ion Ratio Lower Upper

53 100

52 54.5 66.3 99.5#

51 67.4 29.0 43.6#



#16

Acetone

Concen: 0.988 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016982.D

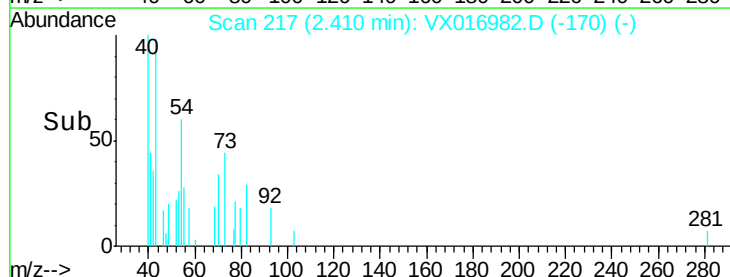
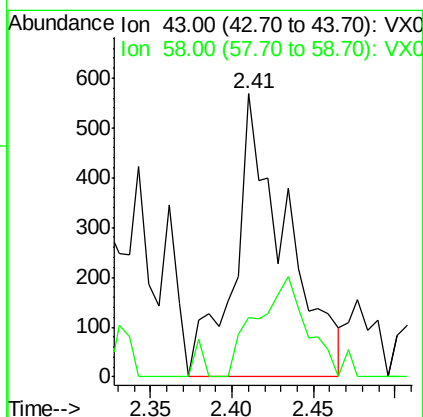
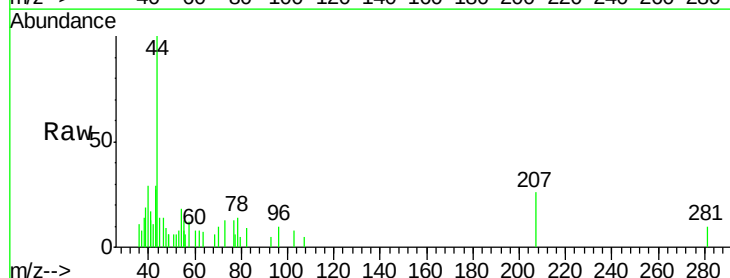
Acq: 26 Jun 2020 14:44

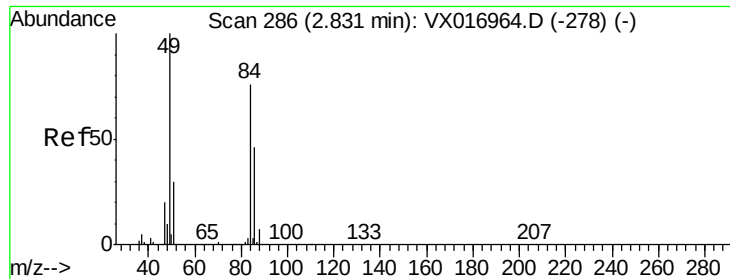
Tgt Ion: 43 Resp: 1235

Ion Ratio Lower Upper

43 100

58 20.8 23.5 35.3#

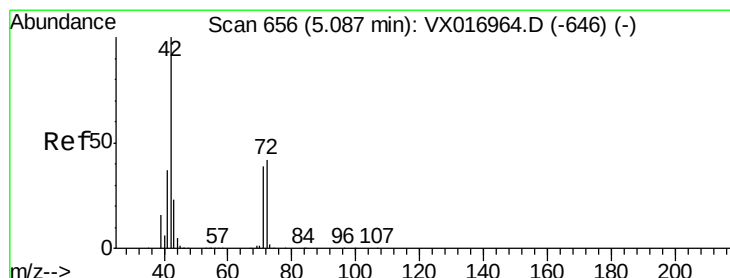
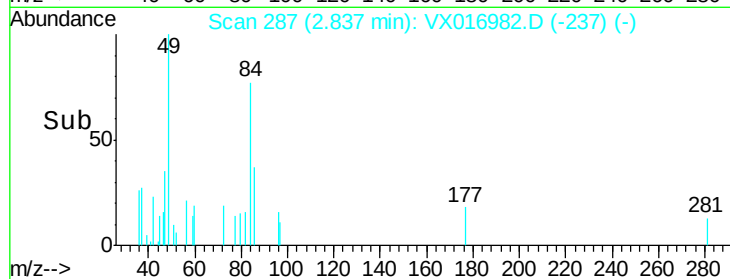
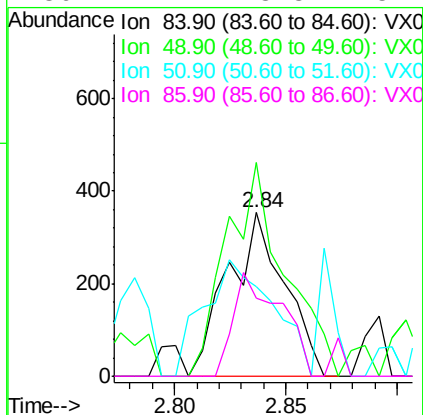
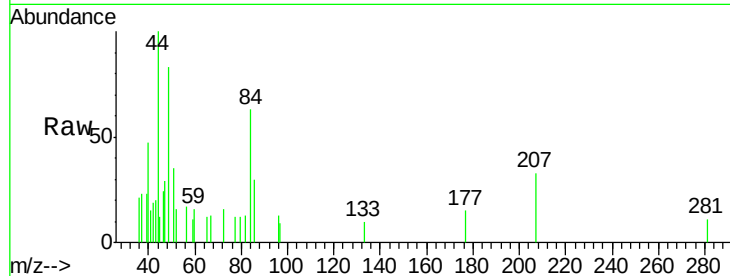




#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

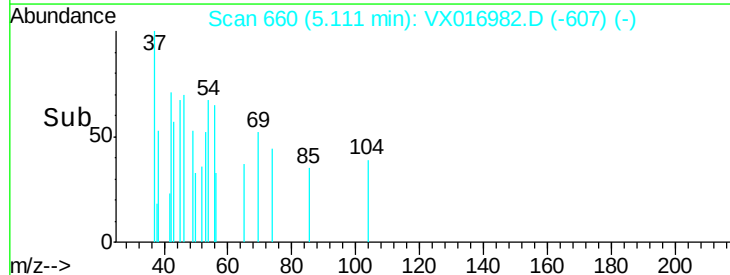
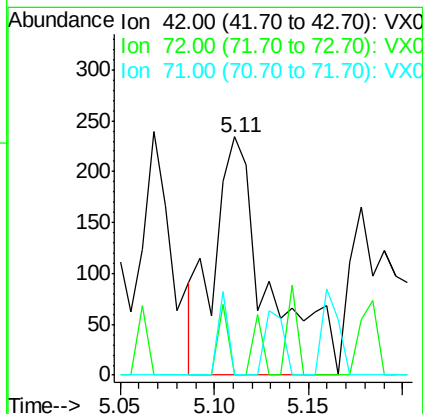
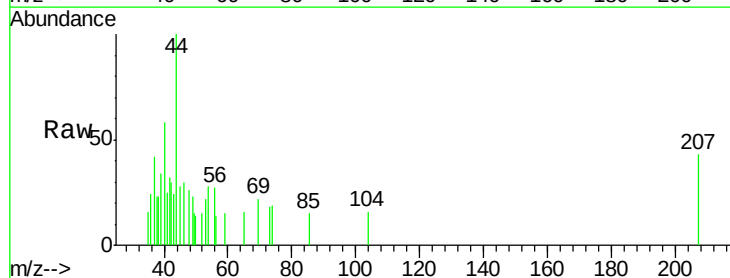
Instrument :
MSVOA_X
ClientSampleId :

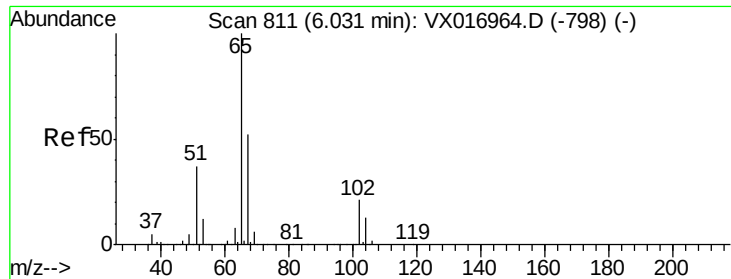
Tot Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 130.5 105.6 158.4
51 17.8 31.2 46.8#
86 47.7 48.8 73.2#



#29
Tetrahydrofuran
Concen: 0.370 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 5.6 34.1 51.1#
71 6.5 32.1 48.1#

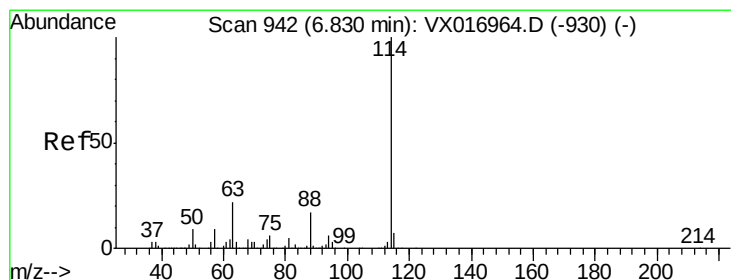
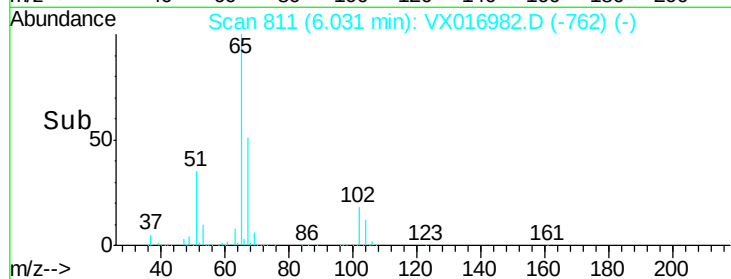
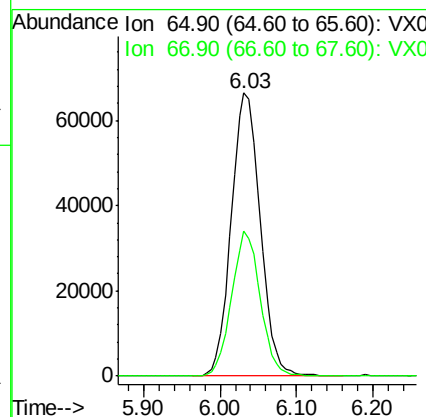
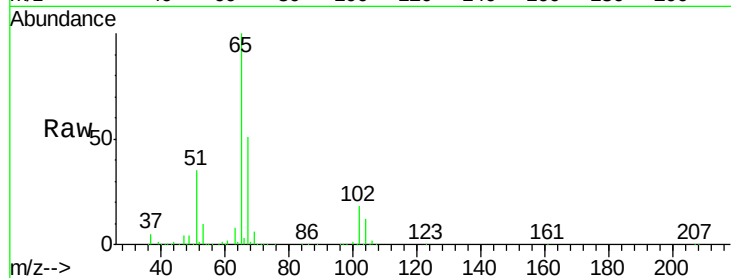




#33
 1,2-Dichloroethane-d4
 Concen: 54.592 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016982.D
 Acq: 26 Jun 2020 14:44

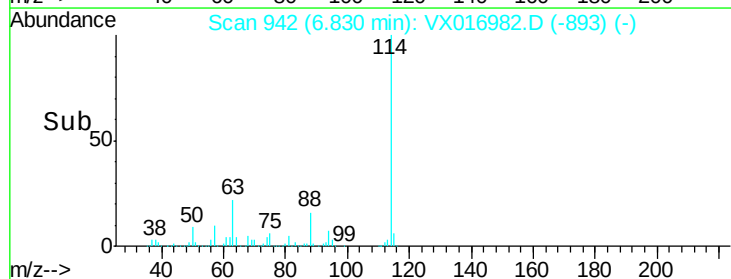
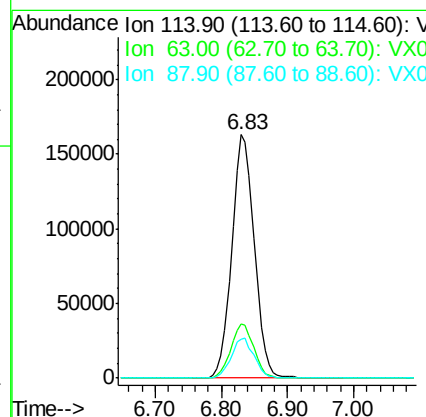
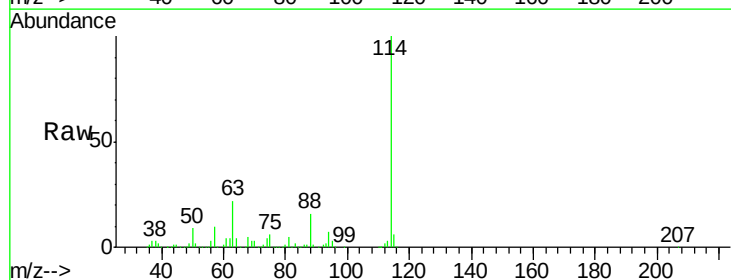
Instrument :
 MSVOA_X
 ClientSampleId :

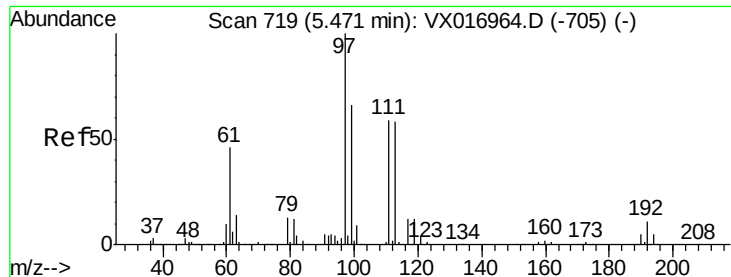
Tot Ion: 65 Resp: 174612
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016982.D
 Acq: 26 Jun 2020 14:44

Tgt Ion: 114 Resp: 384621
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.4
 88 15.7 0.0 33.2

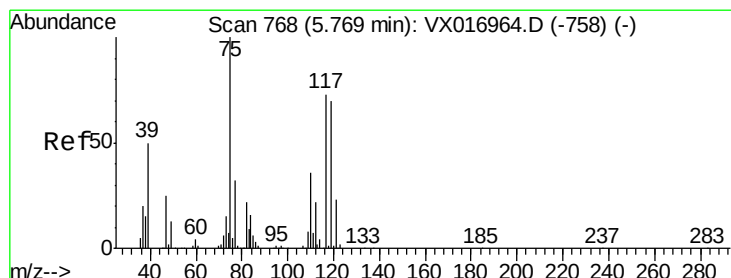
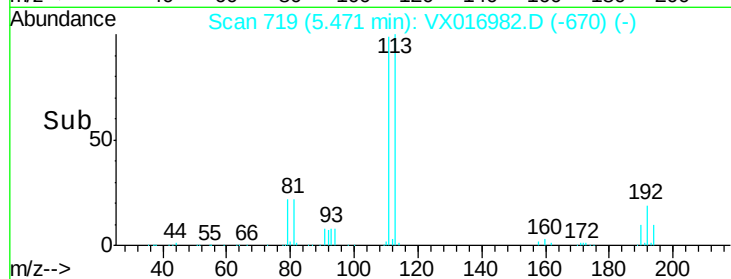
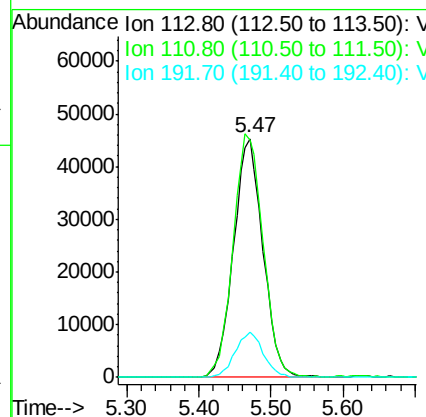
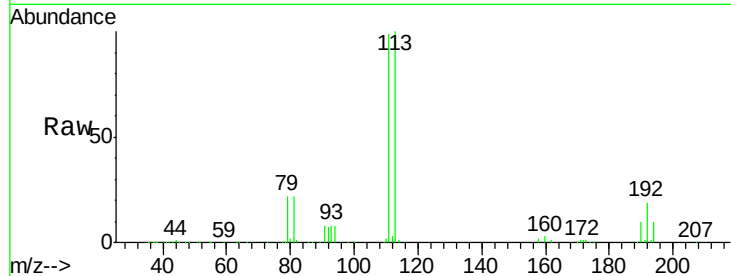




#35
 Dibromofluoromethane
 Concen: 50.631 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016982.D
 Acq: 26 Jun 2020 14:44

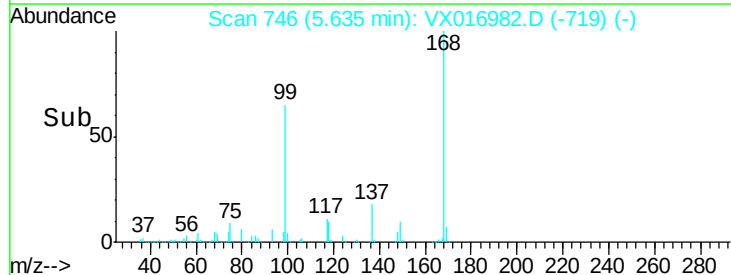
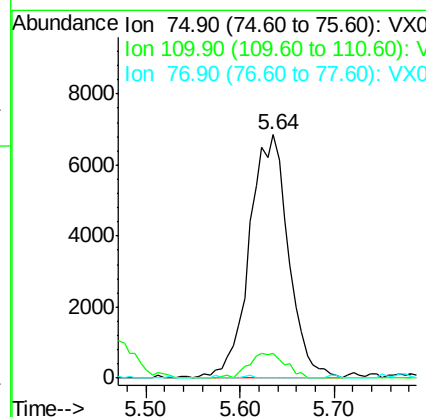
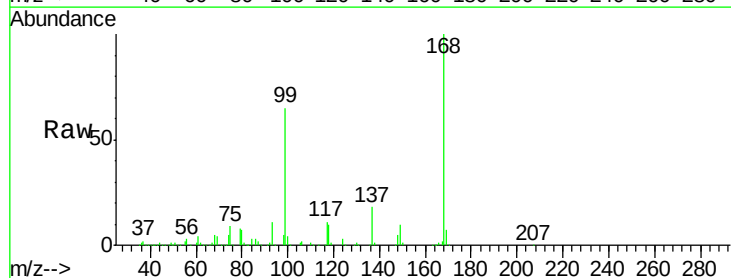
Instrument :
 MSVOA_X
 ClientSampleId :

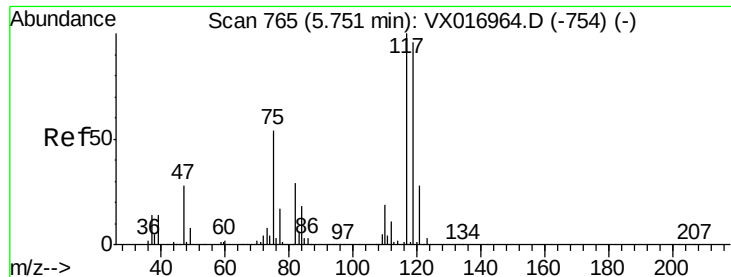
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	84.3	126.5
192	18.3	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 5.213 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016982.D
 Acq: 26 Jun 2020 14:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.2	51.6#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 5.950 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

ClientSampled :

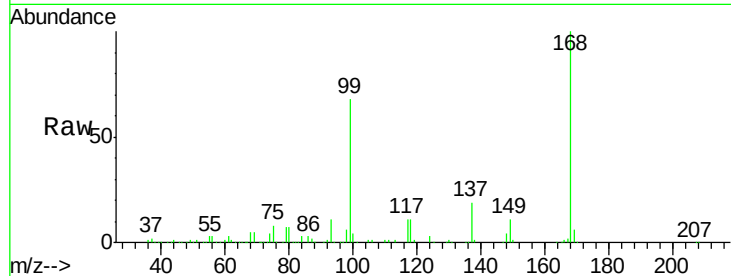
Tot Ion:117 Resp: 23981

Ion Ratio Lower Upper

117 100

119 7.1 76.6 114.8#

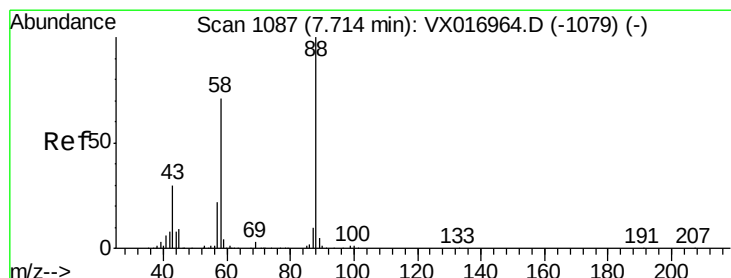
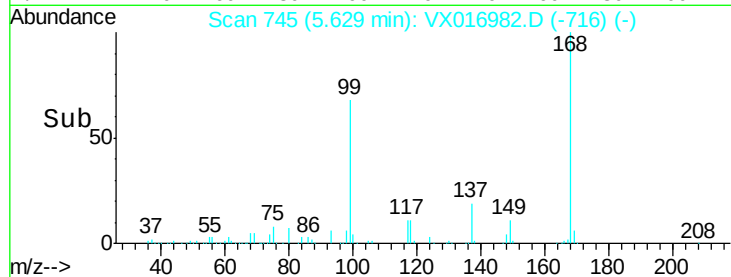
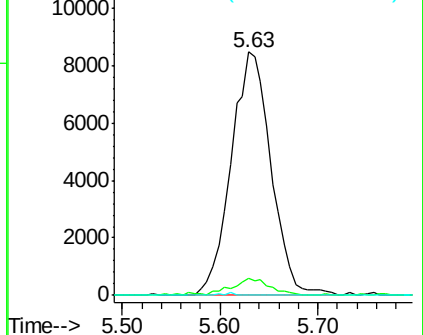
121 0.0 22.5 33.7#



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



#49

1,4-Dioxane

Concen: 0.449 ug/l

RT: 7.59 min Scan# 1067

Delta R.T. -0.12 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

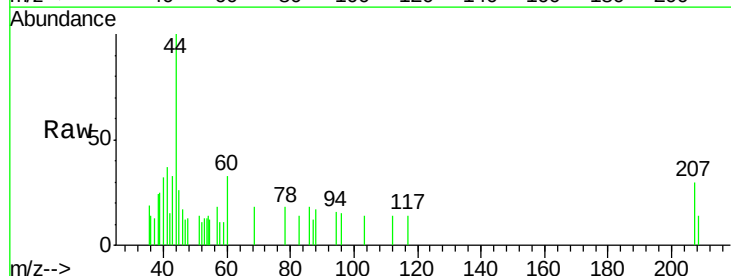
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 210.0 28.1 42.1#

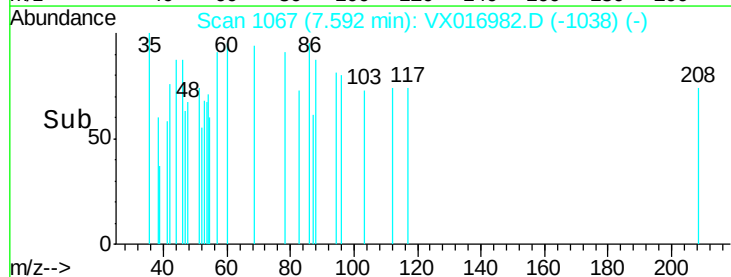
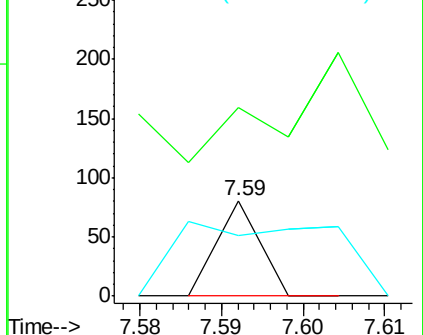
58 280.0 56.1 84.1#

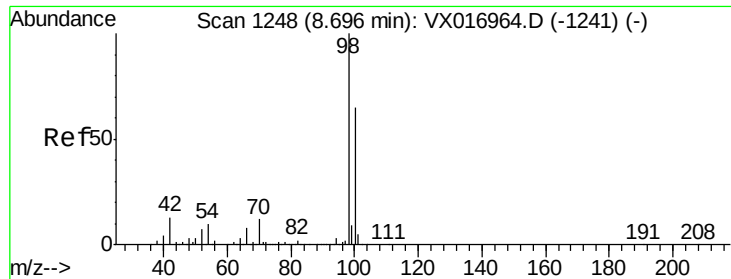


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.966 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

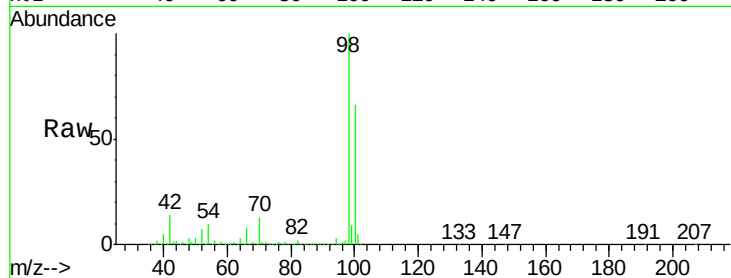
ClientSampleId :

Tot Ion: 98 Resp: 483894

Ion Ratio Lower Upper

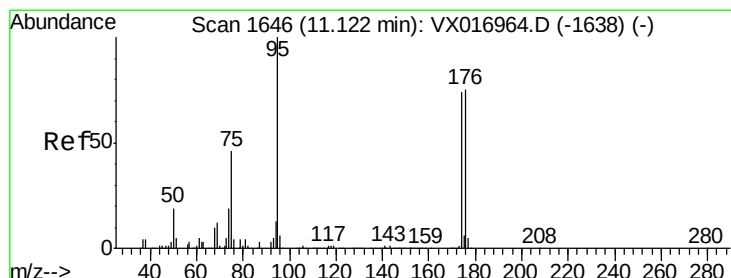
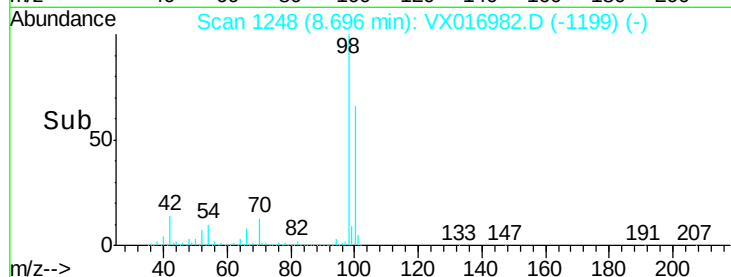
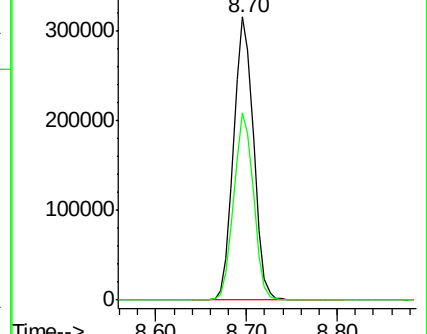
98 100

100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 56.038 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

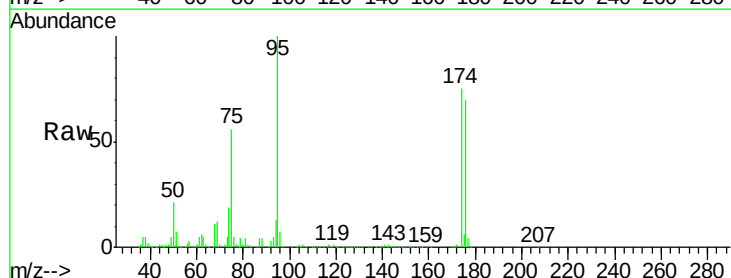
Tgt Ion: 95 Resp: 201781

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.6

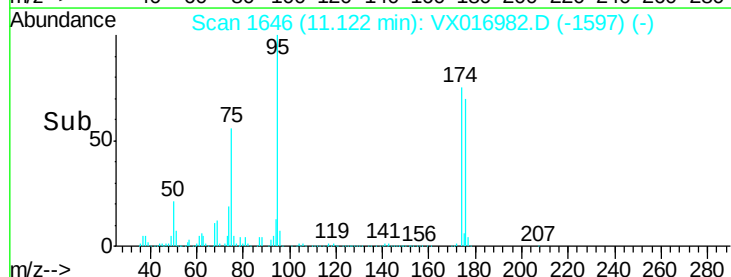
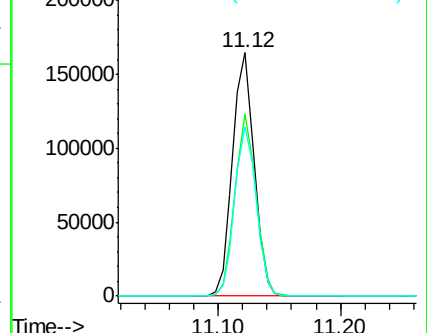
176 69.2 0.0 148.2

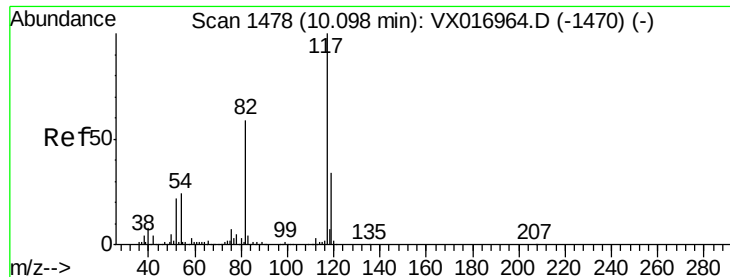


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

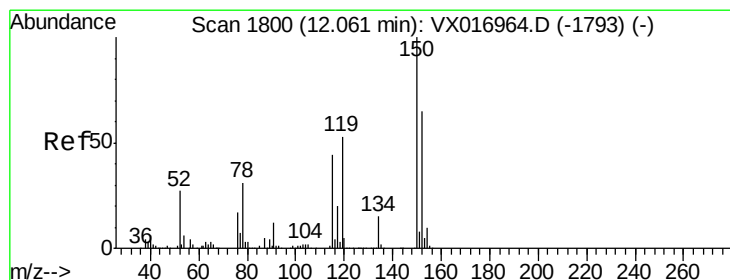
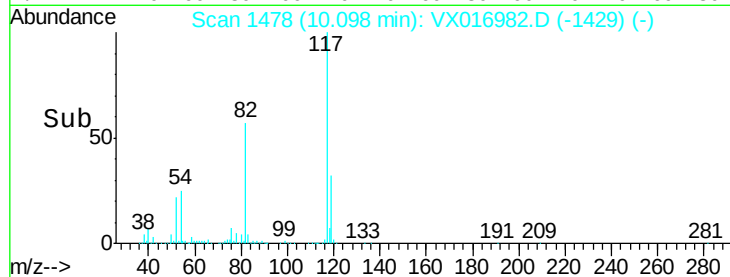
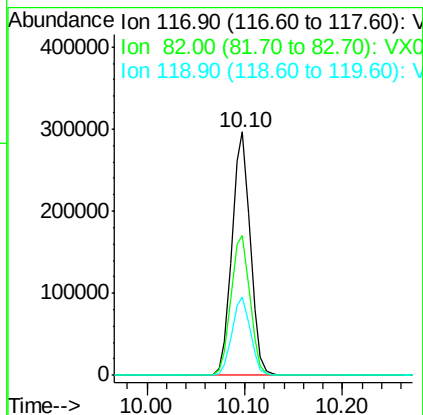
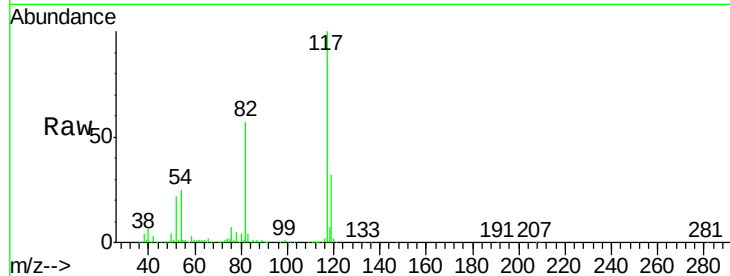




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

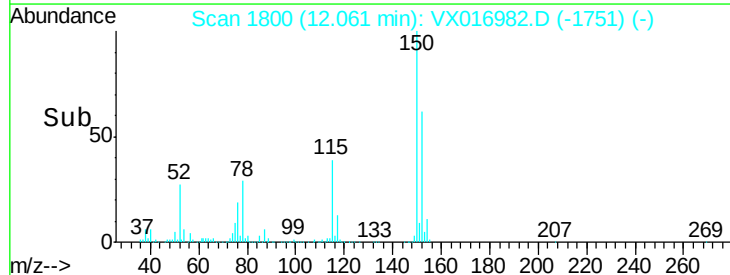
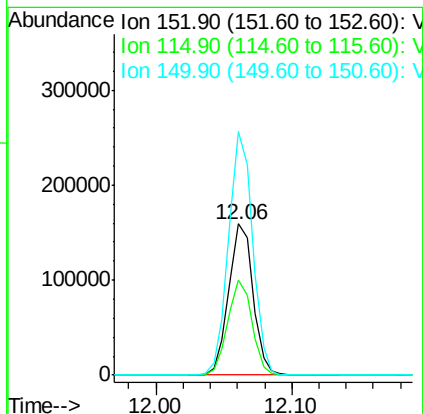
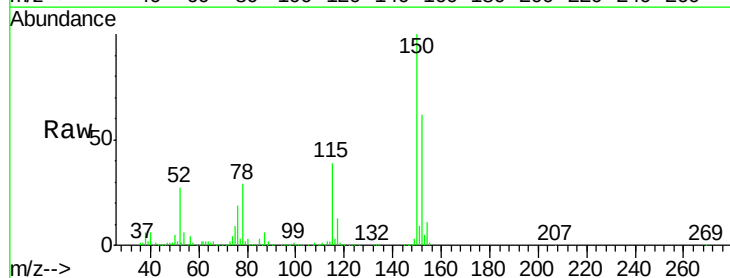
Instrument :
MSVOA_X
ClientSampleId :

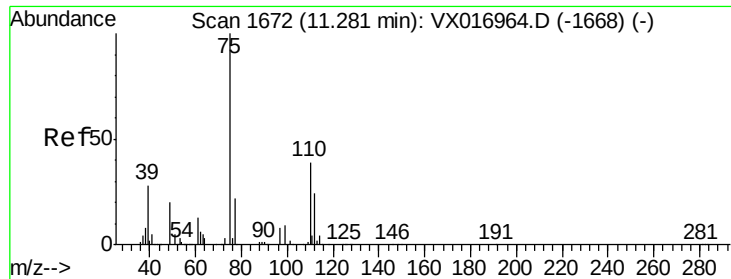
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.8	70.2
119	32.1	27.3	40.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016982.D
Acq: 26 Jun 2020 14:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	42.8	128.4
150	159.3	0.0	347.8





#76

1,2,3-Trichloropropane

Concen: 26.908 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

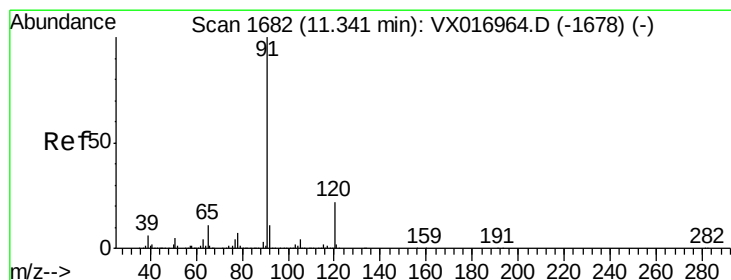
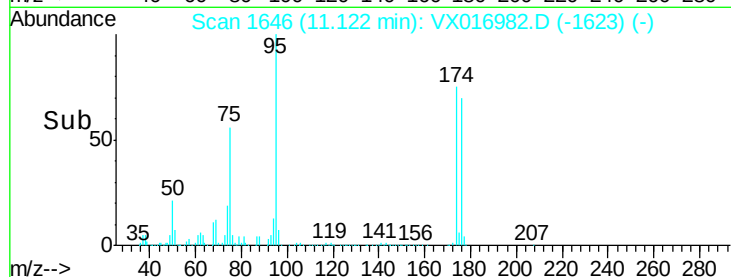
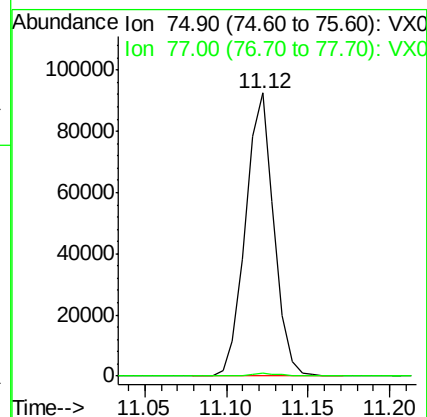
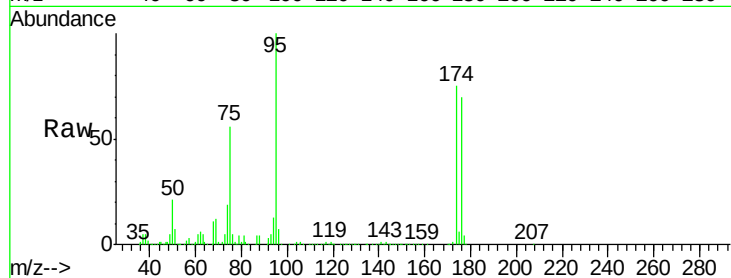
ClientSampleId :

Tot Ion: 75 Resp: 112131

Ion Ratio Lower Upper

75 100

77 1.4 20.3 61.0#



#78

n-propylbenzene

Concen: 0.346 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX016982.D

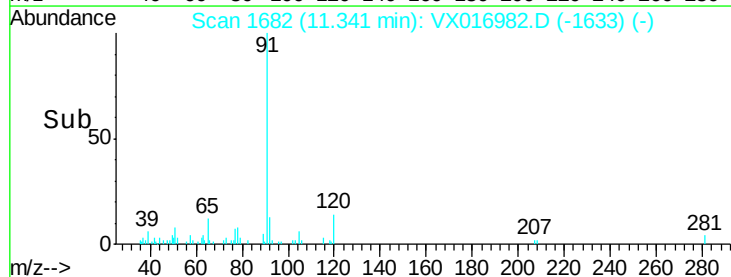
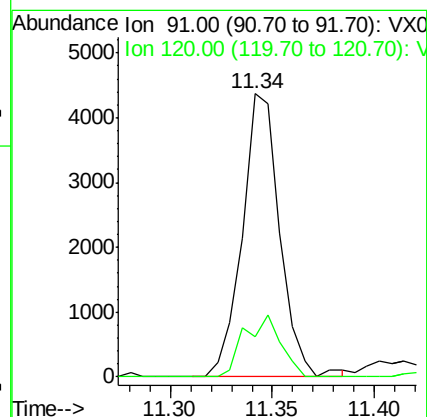
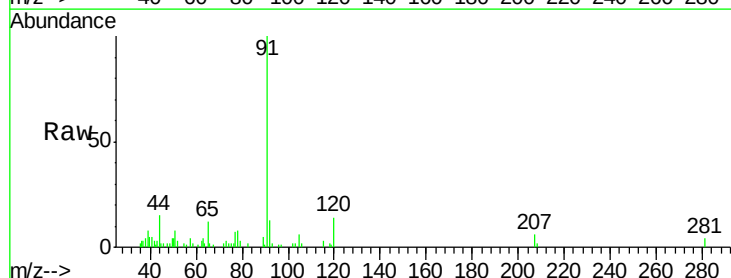
Acq: 26 Jun 2020 14:44

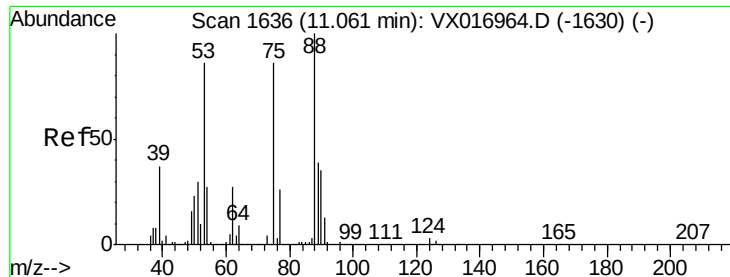
Tgt Ion: 91 Resp: 5578

Ion Ratio Lower Upper

91 100

120 21.1 11.3 33.8





#81

trans-1,4-Dichloro-2-butene

Concen: 68.315 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016982.D

Acq: 26 Jun 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

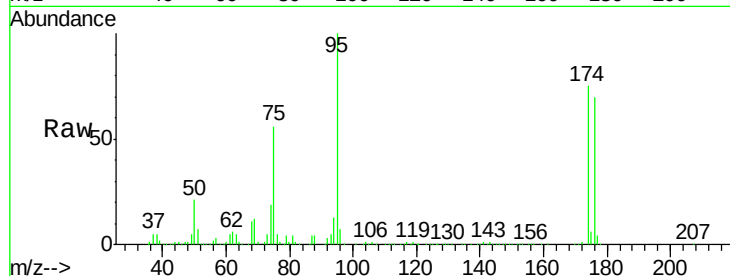
Tot Ion: 75 Resp: 112131

Ion Ratio Lower Upper

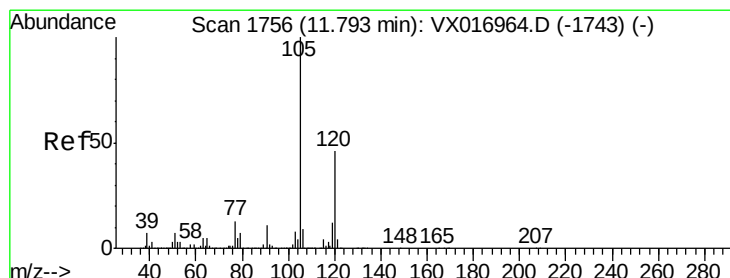
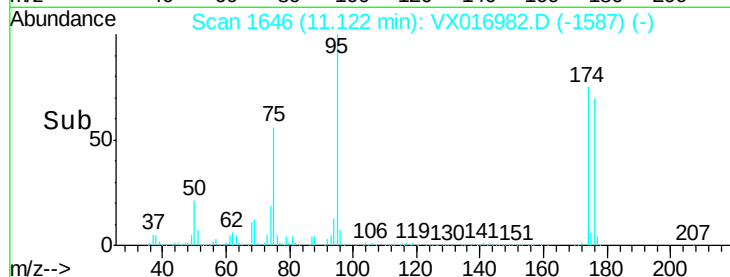
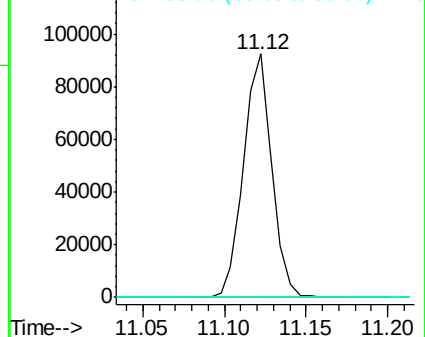
75 100

53 0.3 81.9 122.9#

89 0.0 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.308 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016982.D

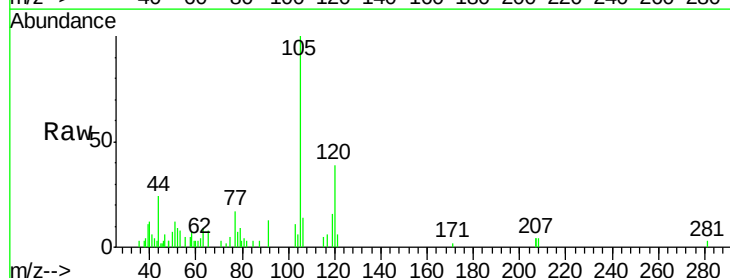
Acq: 26 Jun 2020 14:44

Tgt Ion: 105 Resp: 3544

Ion Ratio Lower Upper

105 100

120 43.5 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

