

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX033120\
 Data File : VX015448.D
 Acq On : 31 Mar 2020 13:04
 Operator : JC/SP
 Sample : L2022-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Apr 01 12:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1125091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1795599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1683775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	883269	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	752722	47.44	ug/l	0.00
Spiked Amount						
			Recovery	=	94.88%	
35) Dibromofluoromethane	5.47	113	567802	49.47	ug/l	0.00
Spiked Amount						
			Recovery	=	98.94%	
50) Toluene-d8	8.70	98	2171518	51.39	ug/l	0.00
Spiked Amount						
			Recovery	=	102.78%	
62) 4-Bromofluorobenzene	11.12	95	913710	53.20	ug/l	0.00
Spiked Amount						
			Recovery	=	106.40%	

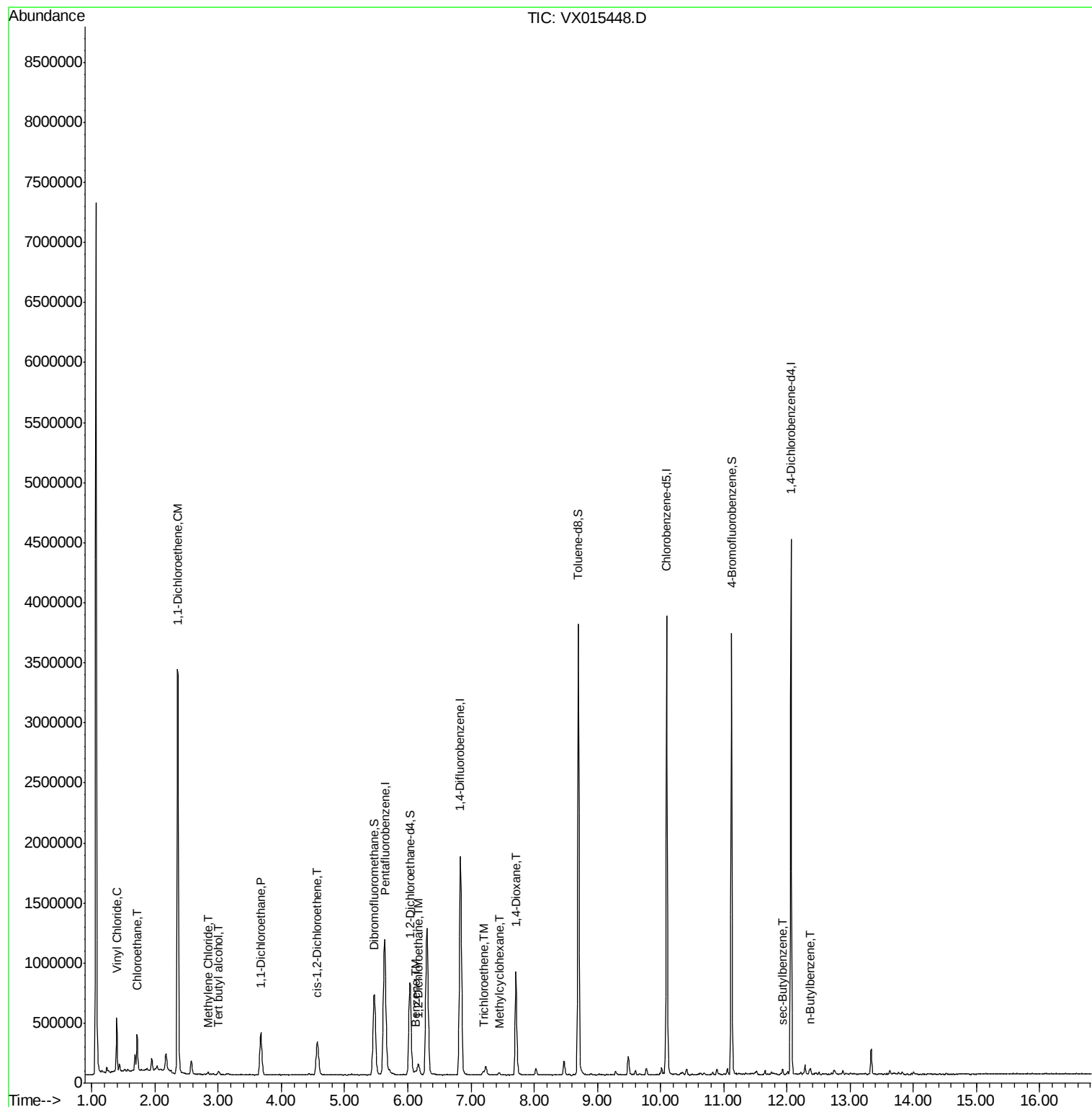
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	250441	21.607	ug/l	99
6) Chloroethane	1.72	64	179710	24.999	ug/l	97
11) Tert butyl alcohol	3.01	59	36158	9.520	ug/l	97
12) 1,1-Dichloroethene	2.36	96	1075572	101.258	ug/l	96
20) Methylene Chloride	2.83	84	8682	0.682	ug/l	95
24) 1,1-Dichloroethane	3.67	63	407054	17.579	ug/l	99
27) cis-1,2-Dichloroethene	4.57	96	173709	12.737	ug/l	93
39) Methylcyclohexane	7.45	83	8460	0.443	ug/l #	94
40) Benzene	6.12	78	36425	0.752	ug/l #	83
42) 1,2-Dichloroethane	6.17	62	108755	5.587	ug/l	98
44) Trichloroethene	7.20	130	12015	0.909	ug/l	99
49) 1,4-Dioxane	7.71	88	603838	1782.025	ug/l	97
85) sec-Butylbenzene	11.93	105	17659	0.316	ug/l #	69
89) n-Butylbenzene	12.37	91	15513	0.331	ug/l #	76

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

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

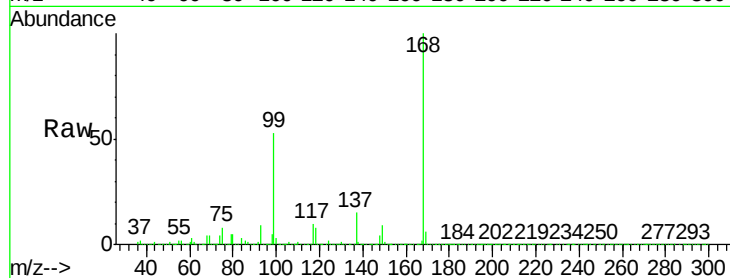
MW-1

Tot Ion:168 Resp: 1125091

Ion Ratio Lower Upper

168 100

99 52.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

300000

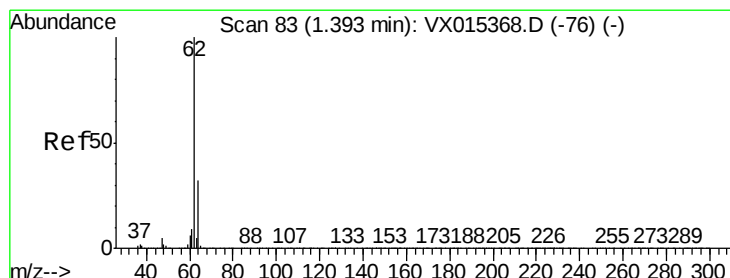
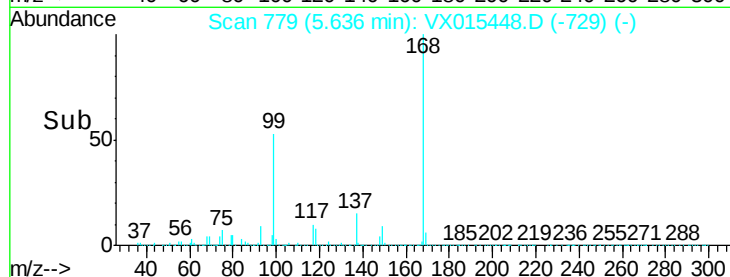
200000

100000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#4

Vinyl Chloride

Concen: 21.607 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015448.D

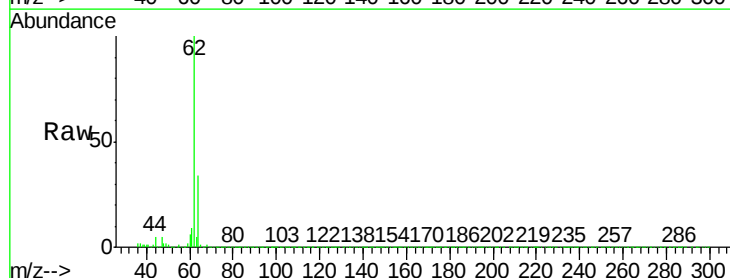
Acq: 31 Mar 2020 13:04

Tgt Ion: 62 Resp: 250441

Ion Ratio Lower Upper

62 100

64 33.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

300000

250000

200000

150000

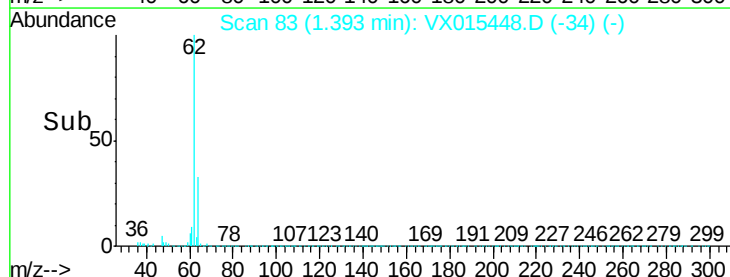
100000

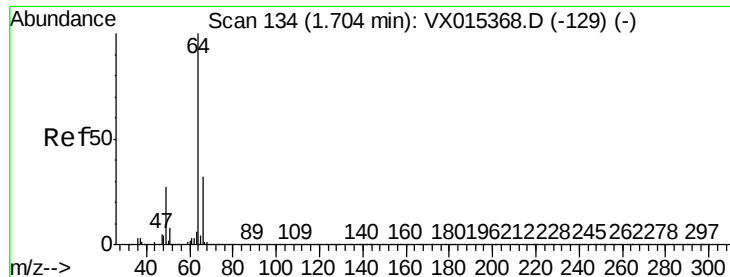
50000

0

1.35 1.40 1.45

Time-->





#6

Chloroethane

Concen: 24.999 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

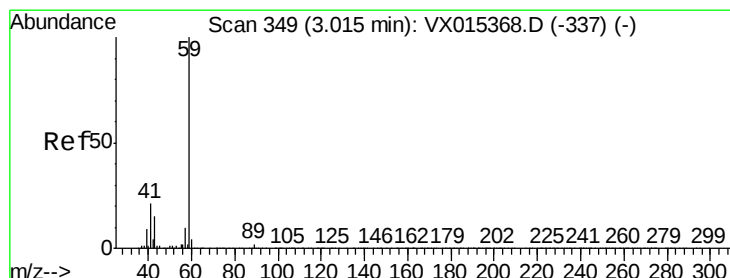
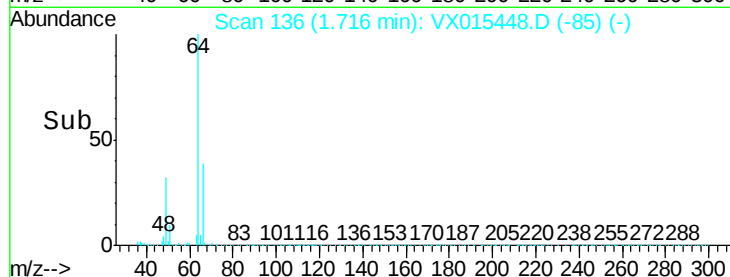
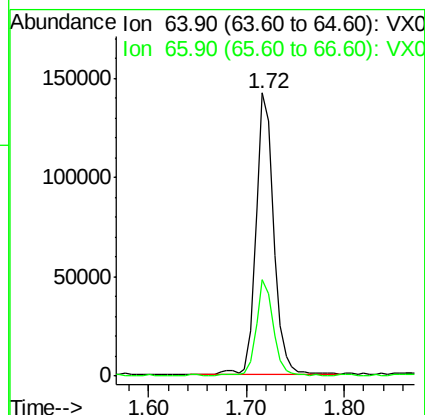
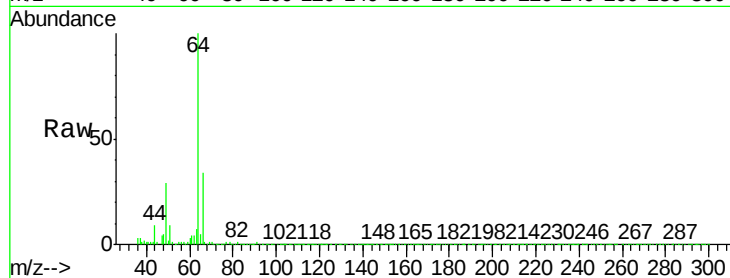
MW-1

Tot Ion: 64 Resp: 179710

Ion Ratio Lower Upper

64 100

66 33.7 25.4 38.2



#11

Tert butyl alcohol

Concen: 9.520 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.01 min

Lab File: VX015448.D

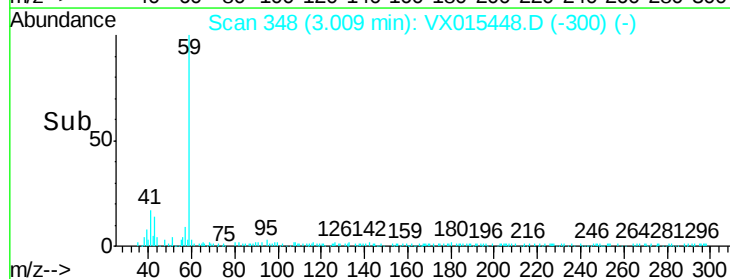
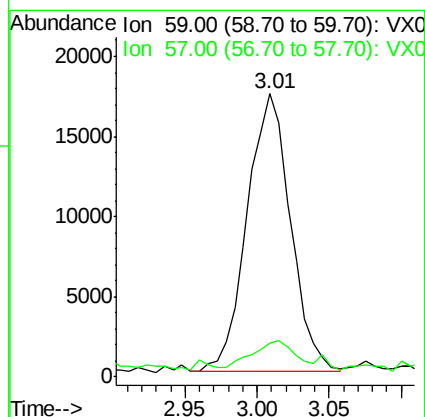
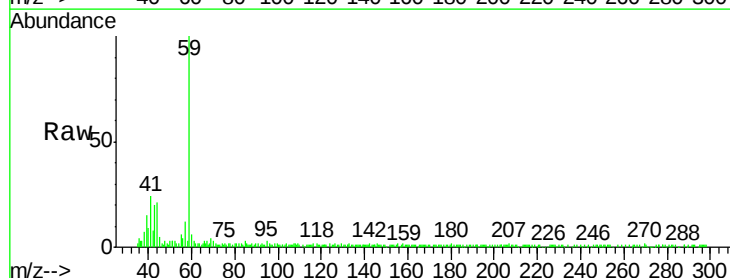
Acq: 31 Mar 2020 13:04

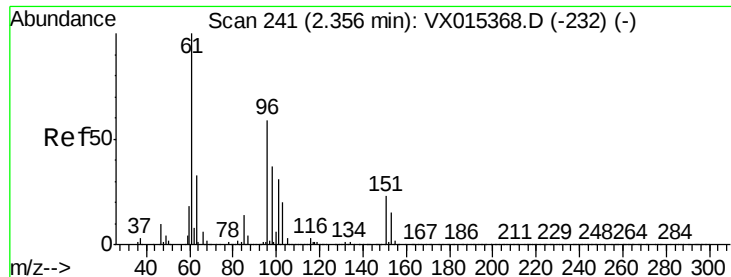
Tgt Ion: 59 Resp: 36158

Ion Ratio Lower Upper

59 100

57 11.3 8.1 12.1

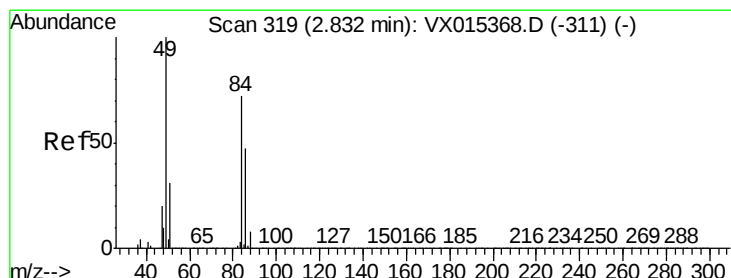
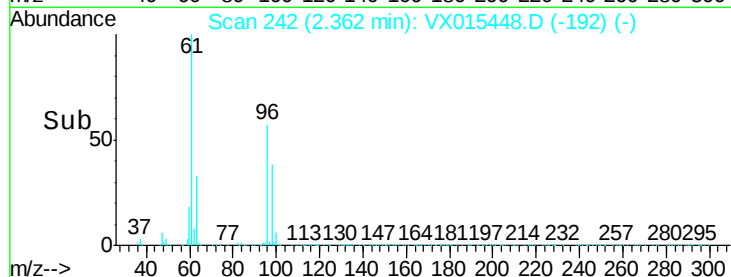
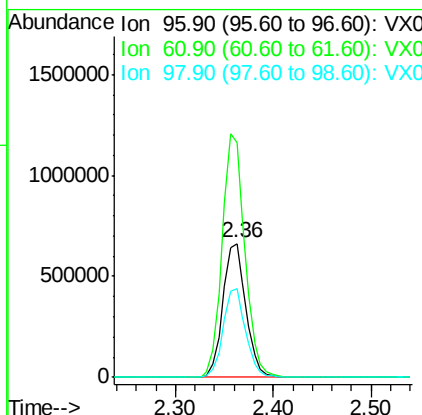
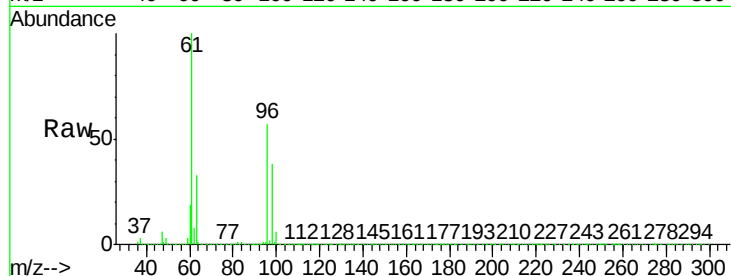




#12
 1,1-Dichloroethene
 Concen: 101.258 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.01 min
 Lab File: VX015448.D
 Acq: 31 Mar 2020 13:04

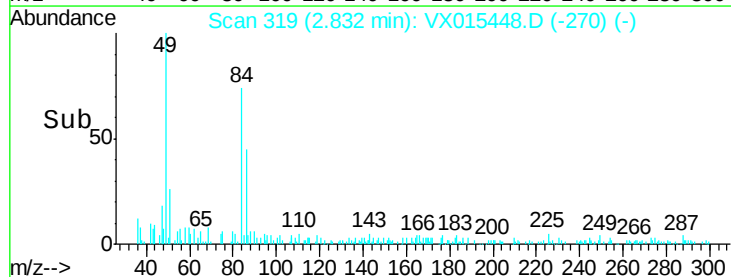
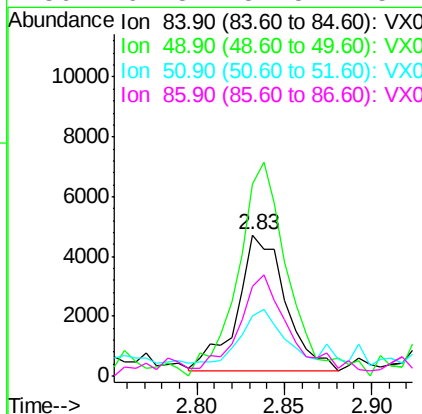
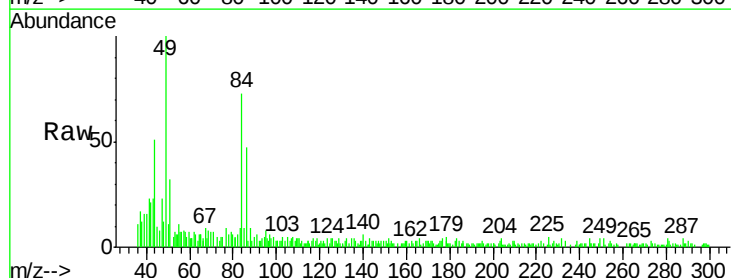
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

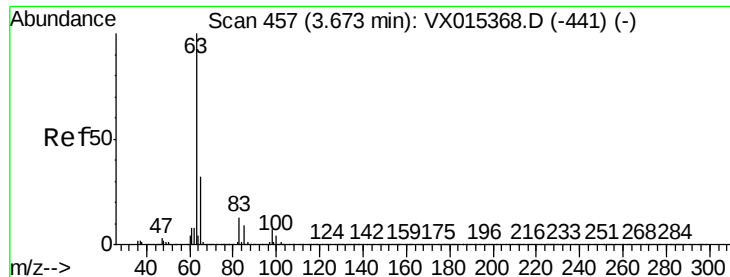
Tot Ion: 96 Resp: 1075572
 Ion Ratio Lower Upper
 96 100
 61 175.2 135.7 203.5
 98 66.1 50.6 75.8



#20
 Methylene Chloride
 Concen: 0.682 ug/l
 RT: 2.83 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VX015448.D
 Acq: 31 Mar 2020 13:04

Tgt Ion: 84 Resp: 8682
 Ion Ratio Lower Upper
 84 100
 49 134.4 111.3 166.9
 51 35.5 34.0 51.0
 86 61.8 52.5 78.7





#24

1,1-Dichloroethane

Concen: 17.579 ug/l

RT: 3.67 min Scan# 457

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

MW-1

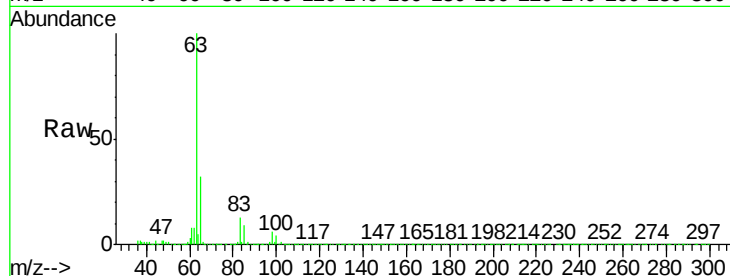
Tot Ion: 63 Resp: 407054

Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

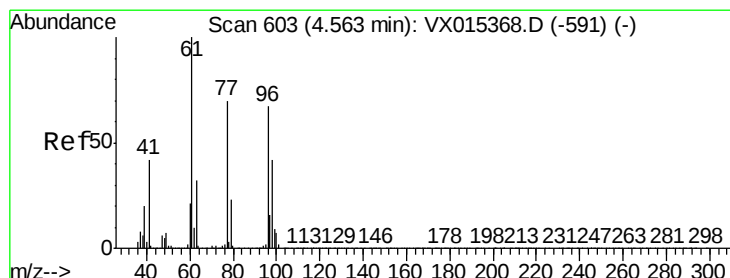
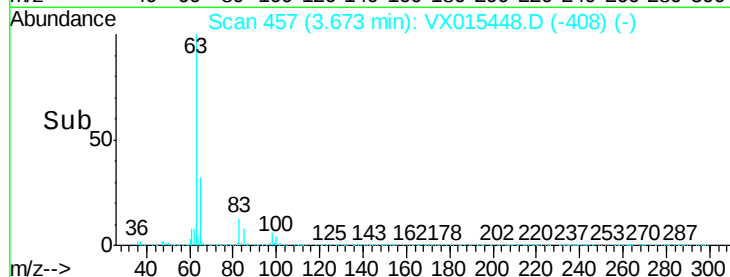
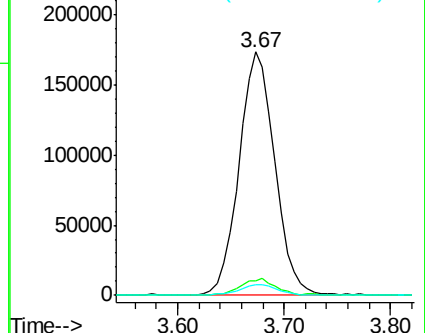
100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 12.737 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

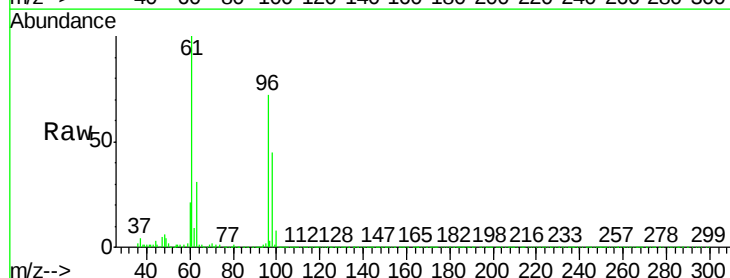
Tgt Ion: 96 Resp: 173709

Ion Ratio Lower Upper

96 100

61 141.6 0.0 308.4

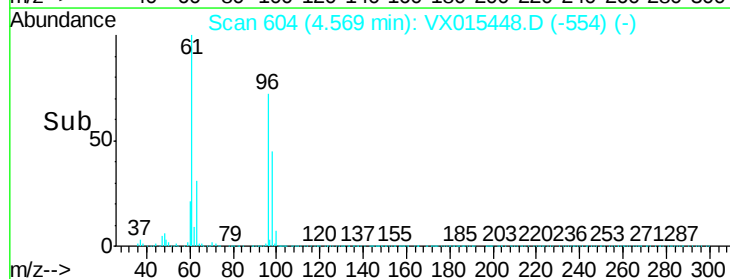
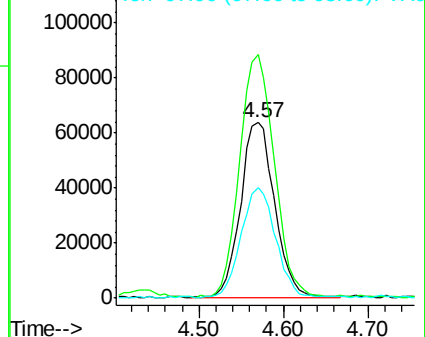
98 63.2 0.0 129.2

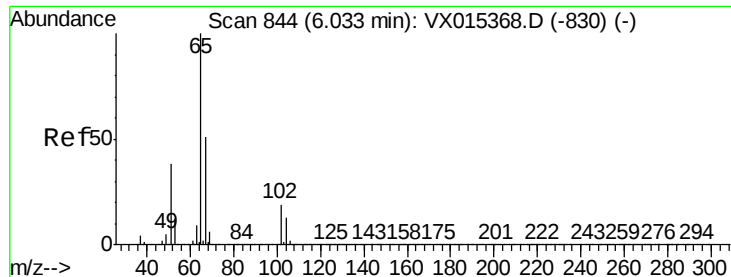


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.436 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

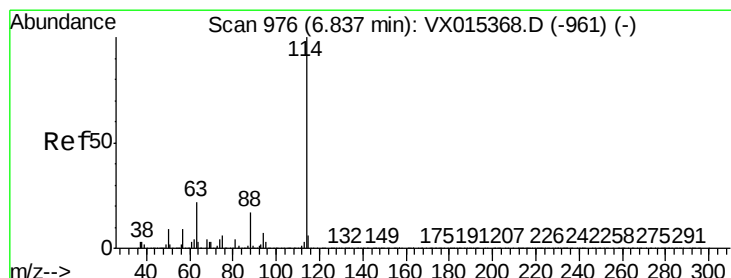
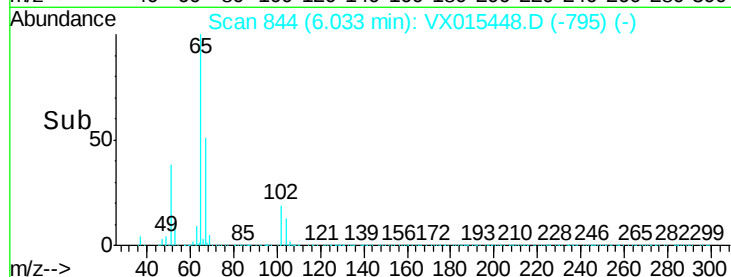
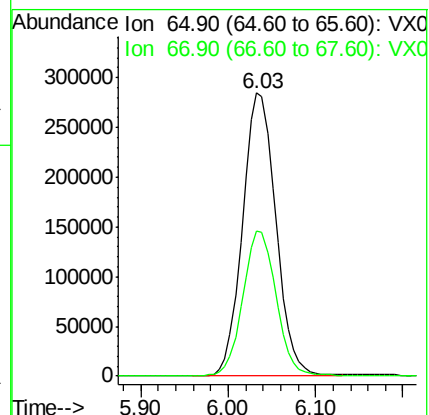
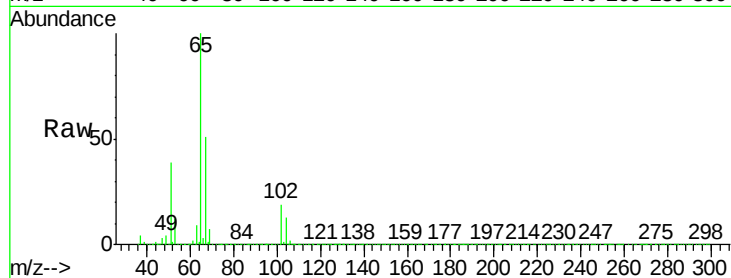
MW-1

Tot Ion: 65 Resp: 752722

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

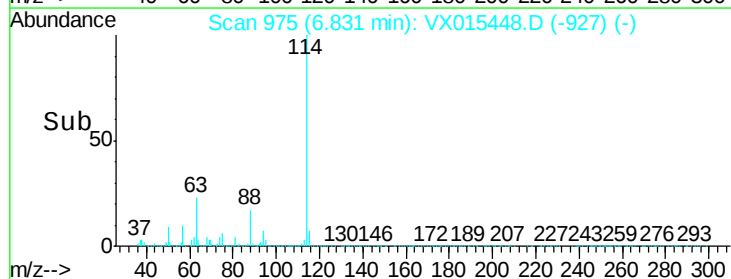
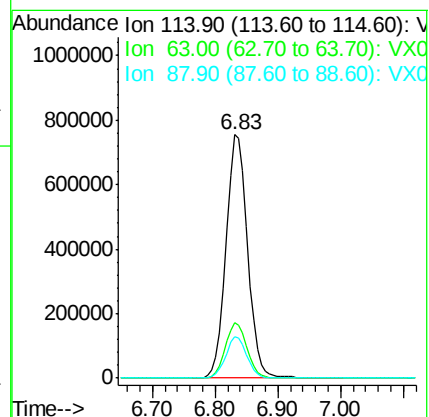
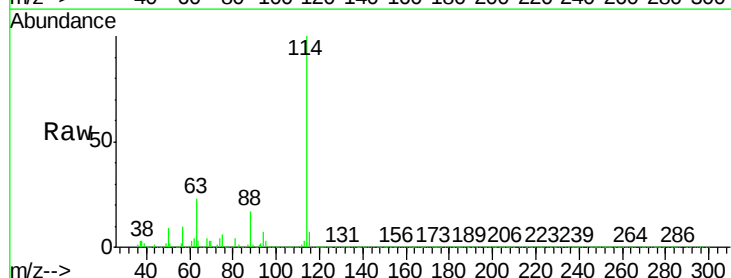
Tgt Ion: 114 Resp: 1795599

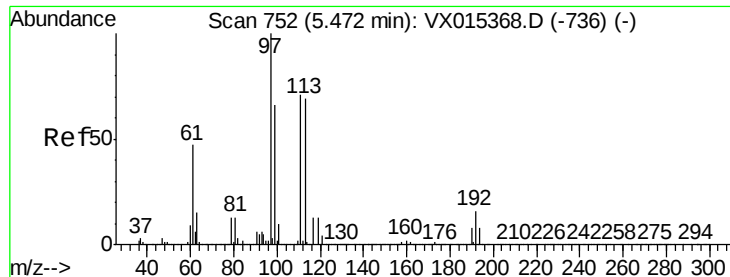
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.2

88 17.0 0.0 33.8

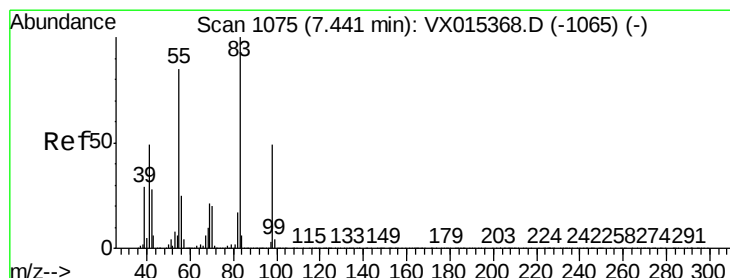
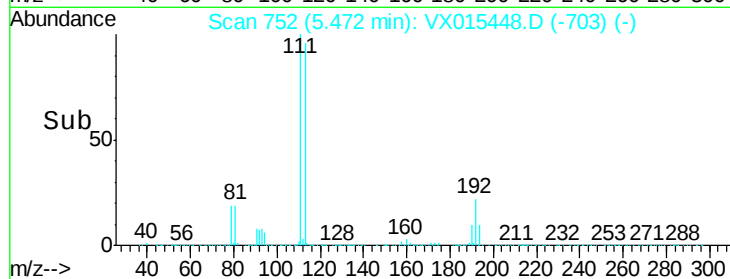
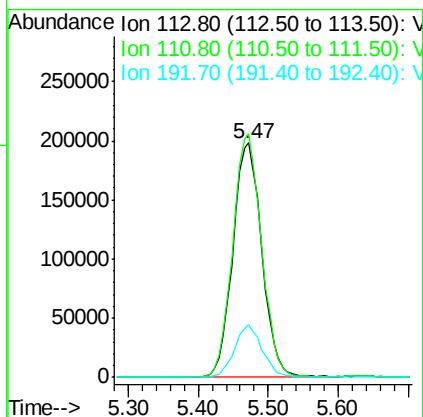
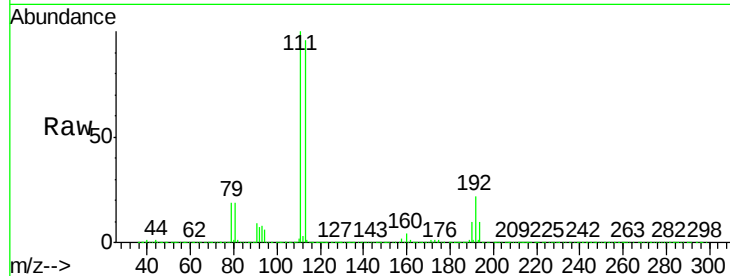




#35
Dibromofluoromethane
Concen: 49.469 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015448.D
Acq: 31 Mar 2020 13:04

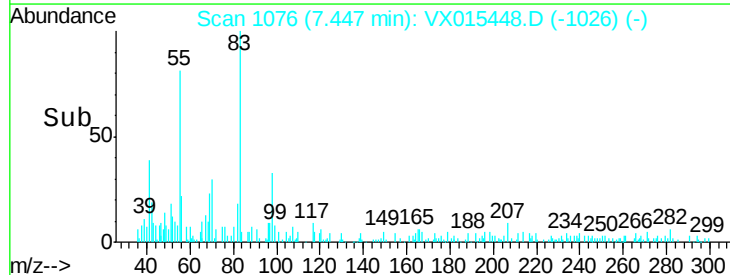
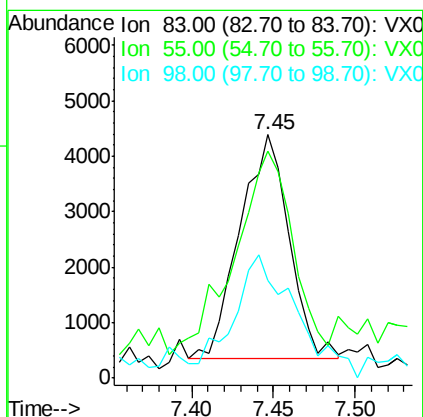
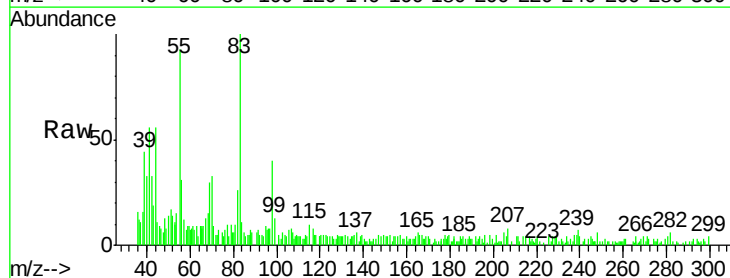
Instrument :
MSVOA_X
ClientSampled :
MW-1

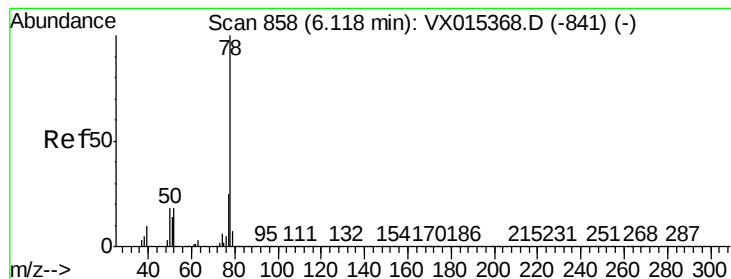
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	21.5	17.8	26.6



#39
Methylcyclohexane
Concen: 0.443 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VX015448.D
Acq: 31 Mar 2020 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.8	67.8	101.6
98	37.3	39.3	58.9#





#40

Benzene

Concen: 0.752 ug/l

RT: 6.12 min Scan# 858

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

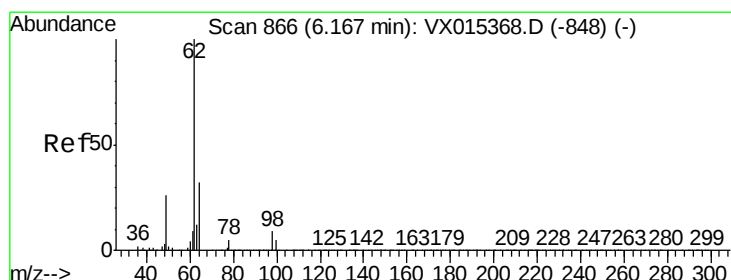
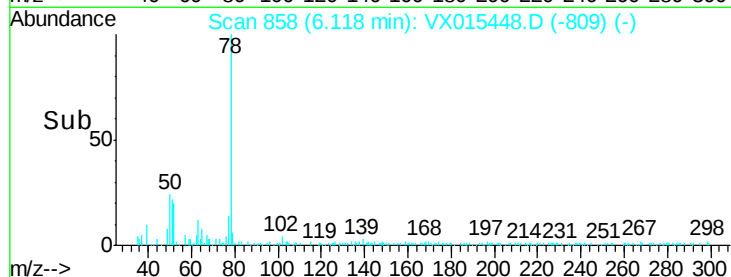
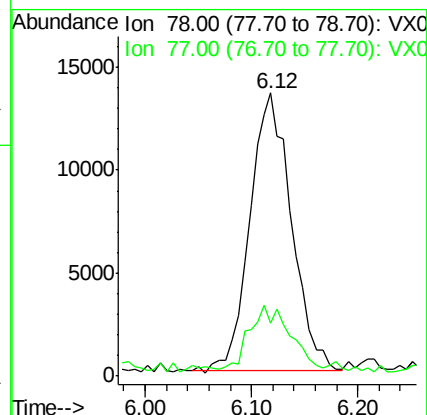
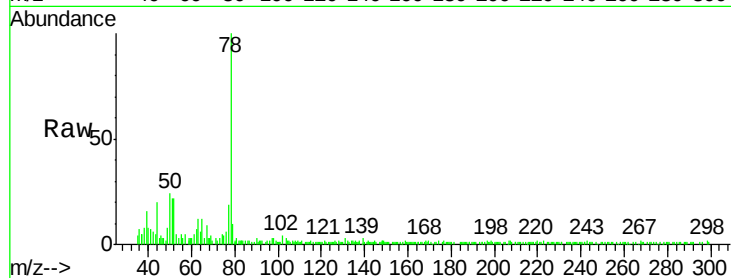
MW-1

Tot Ion: 78 Resp: 36425

Ion Ratio Lower Upper

78 100

77 16.4 19.8 29.8#



#42

1,2-Dichloroethane

Concen: 5.587 ug/l

RT: 6.17 min Scan# 866

Delta R.T. 0.00 min

Lab File: VX015448.D

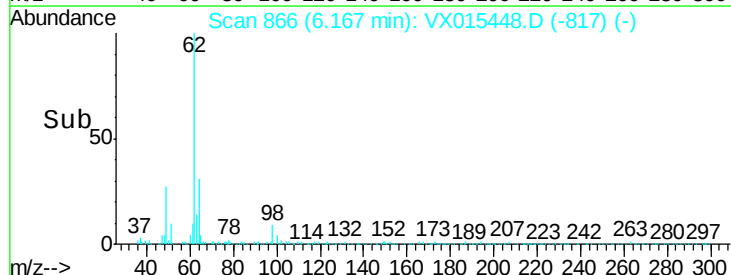
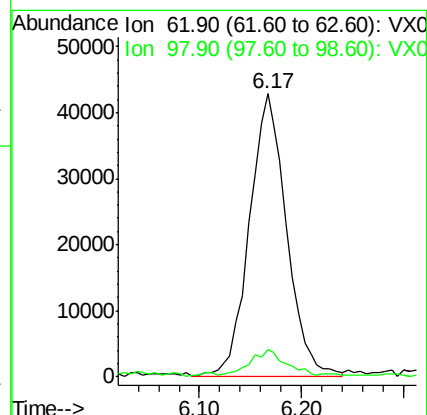
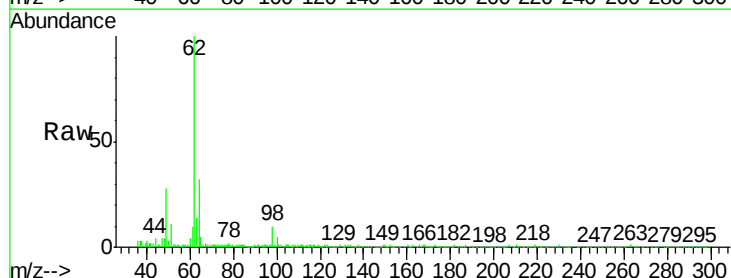
Acq: 31 Mar 2020 13:04

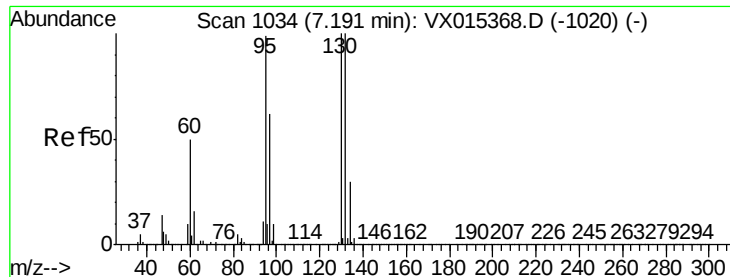
Tgt Ion: 62 Resp: 108755

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.6





#44

Trichloroethene

Concen: 0.909 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampled :

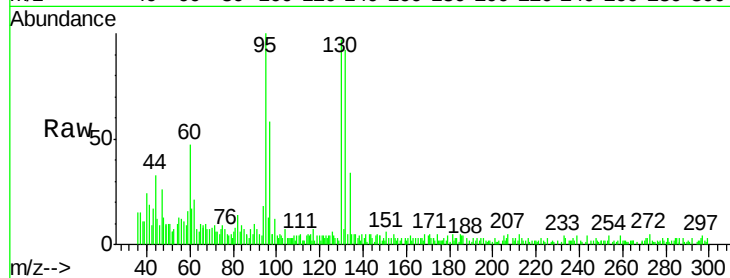
MW-1

Tot Ion:130 Resp: 12015

Ion Ratio Lower Upper

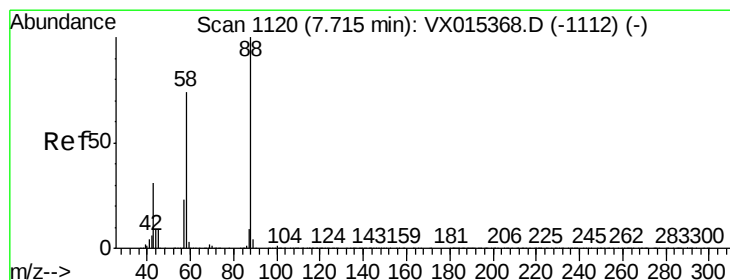
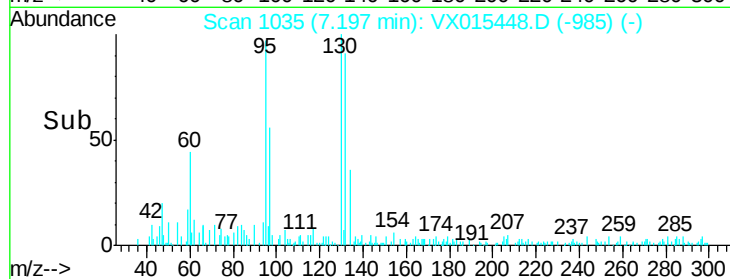
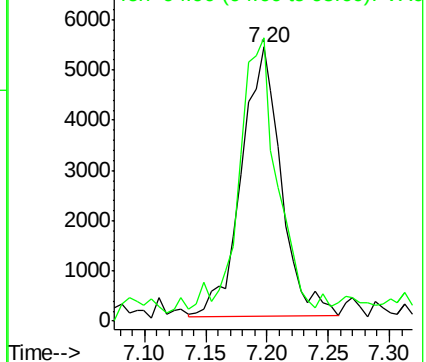
130 100

95 101.0 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 1782.025 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

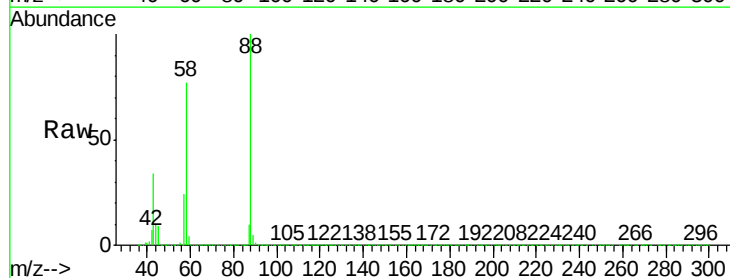
Tgt Ion: 88 Resp: 603838

Ion Ratio Lower Upper

88 100

43 32.9 30.1 45.1

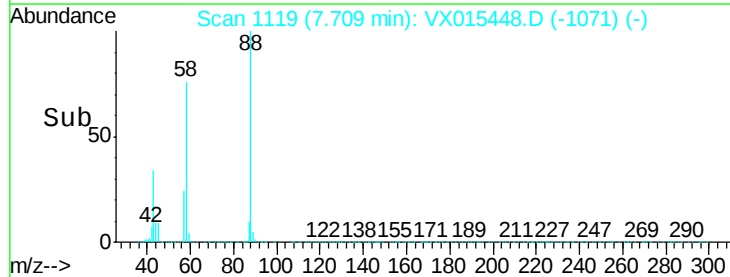
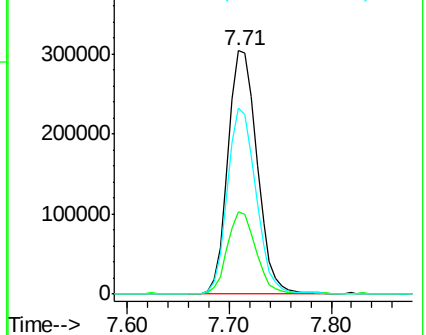
58 75.4 60.6 90.8

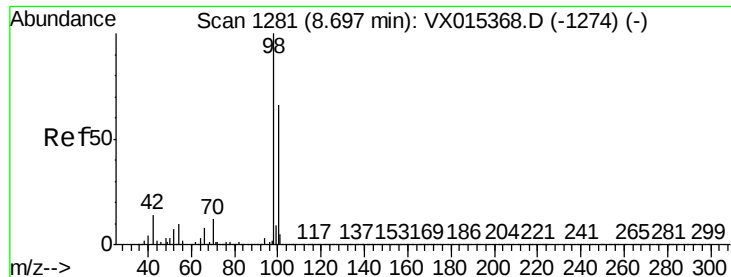


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.386 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

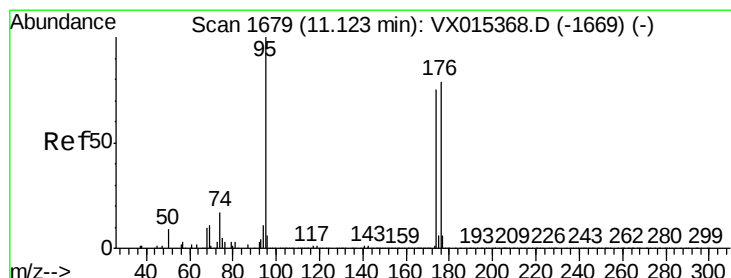
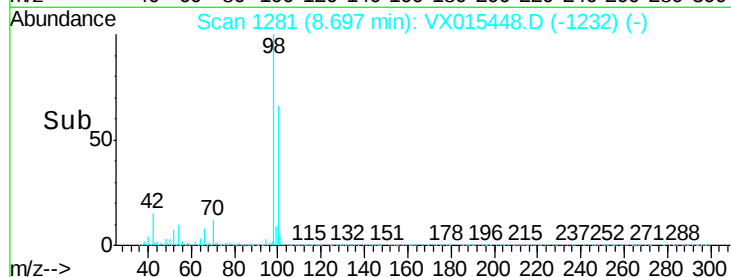
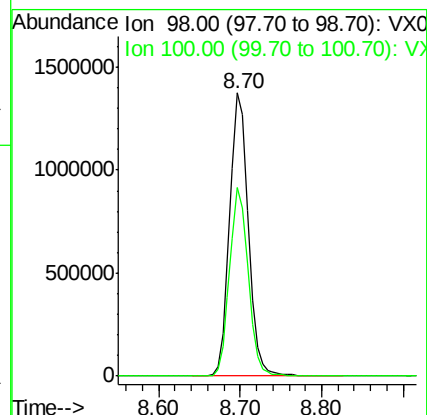
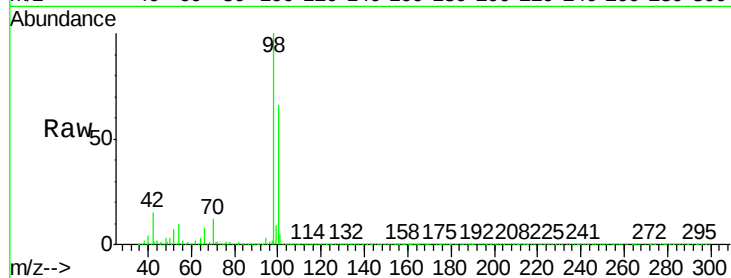
MW-1

Tot Ion: 98 Resp: 2171518

Ion Ratio Lower Upper

98 100

100 66.6 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 53.203 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

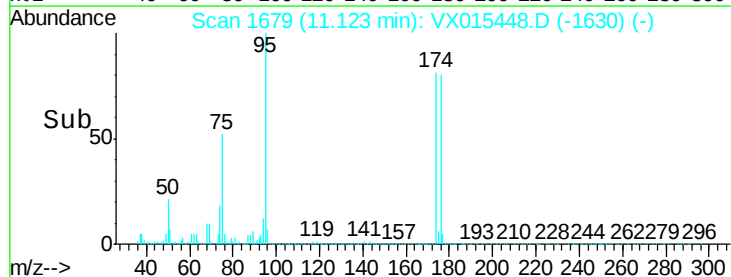
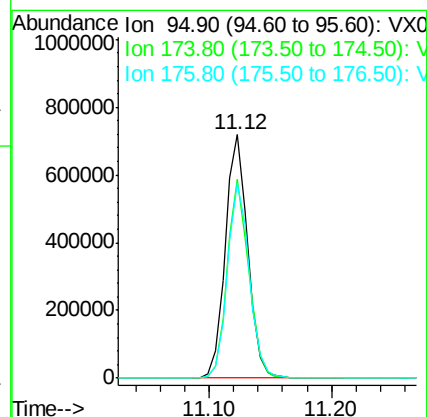
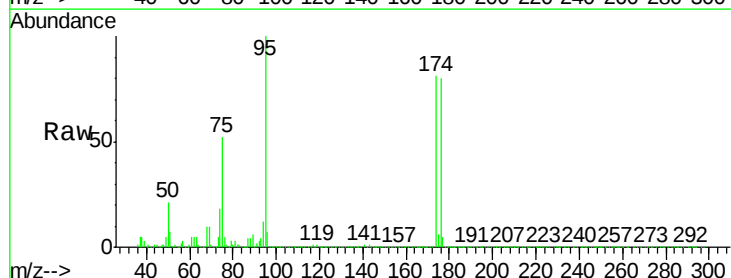
Tgt Ion: 95 Resp: 913710

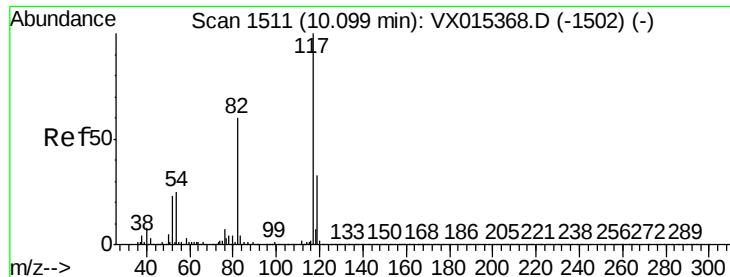
Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.6

176 78.2 0.0 159.0

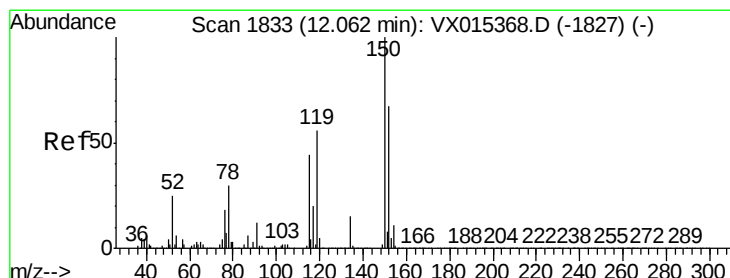
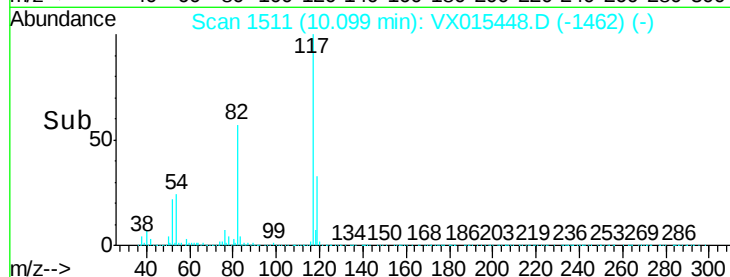
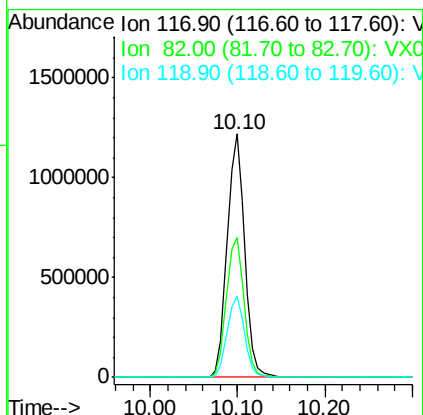
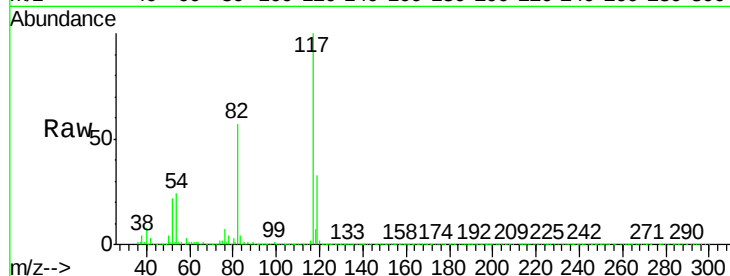




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015448.D
Acq: 31 Mar 2020 13:04

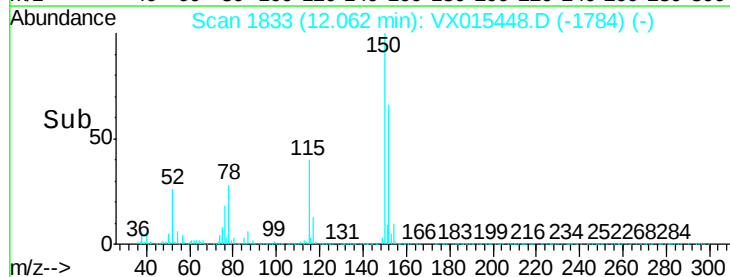
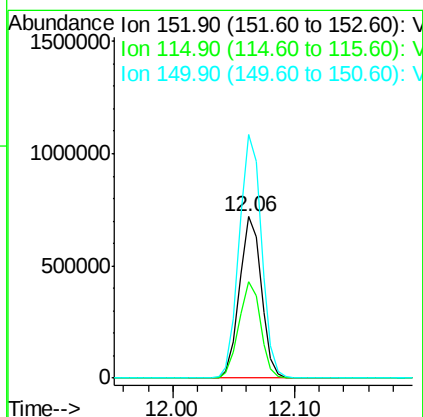
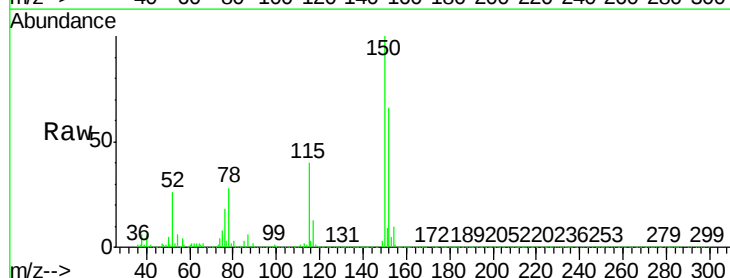
Instrument :
MSVOA_X
ClientSampleId :
MW-1

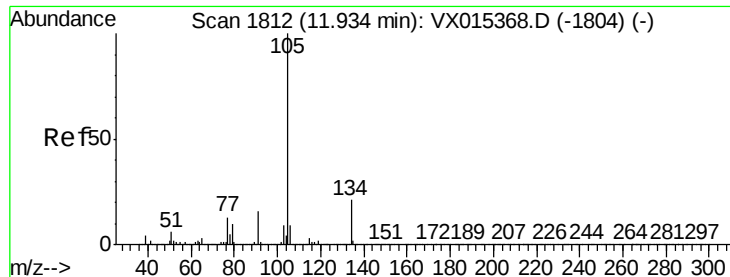
Tot Ion:117 Resp: 1683775
Ion Ratio Lower Upper
117 100
82 57.4 47.8 71.8
119 33.0 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015448.D
Acq: 31 Mar 2020 13:04

Tgt Ion:152 Resp: 883269
Ion Ratio Lower Upper
152 100
115 59.3 39.0 116.9
150 154.3 0.0 340.8





#85

sec-Butylbenzene

Concen: 0.316 ug/l

RT: 11.93 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampled :

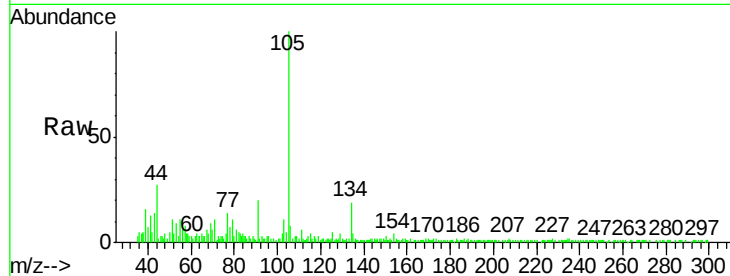
MW-1

Tot Ion:105 Resp: 17659

Ion Ratio Lower Upper

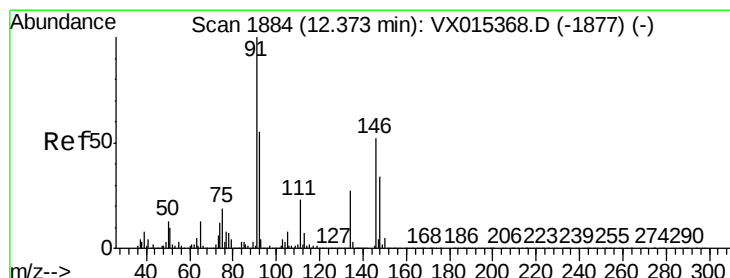
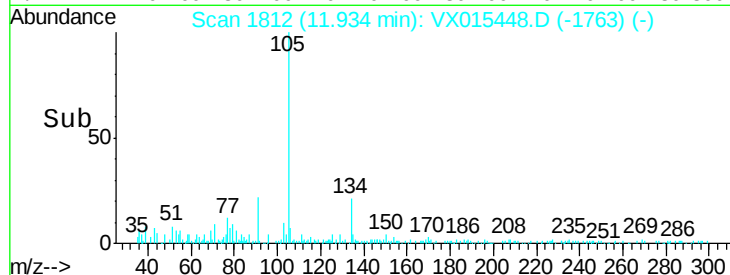
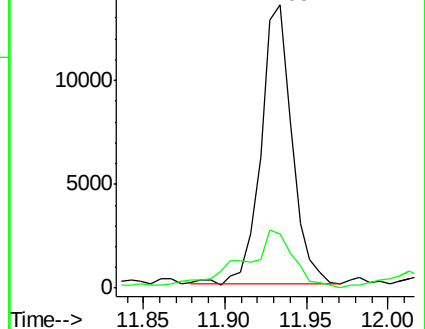
105 100

134 34.9 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.331 ug/l

RT: 12.37 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX015448.D

Acq: 31 Mar 2020 13:04

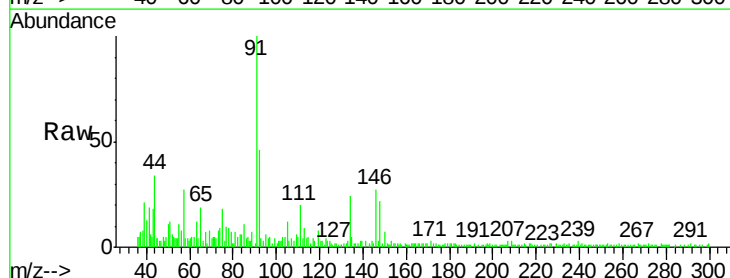
Tgt Ion: 91 Resp: 15513

Ion Ratio Lower Upper

91 100

92 43.0 27.2 81.5

134 47.8 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

