

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100220\
 Data File : VU040459.D
 Acq On : 02 Oct 2020 14:33
 Operator : SY/MD
 Sample : L4209-02RE
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS8RE

Quant Time: Oct 03 00:17:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 03 00:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124597	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57403	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	1.92	69	38320	7.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	142.00%#
11) 1,1-Dichloroethene-d2	2.58	63	37611	2.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.80%#
20) 2-Butanone-d5	4.66	46	190407	62.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.28%
24) Chloroform-d	5.08	84	93617	6.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.60%#
26) 1,2-Dichloroethane-d4	5.72	65	59125	6.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.20%#
32) Benzene-d6	5.74	84	181710	7.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	143.40%#
36) 1,2-Dichloropropane-d6	6.70	67	61481	6.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	132.60%
41) Toluene-d8	7.91	98	45667	2.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	41.40%#
43) trans-1,3-Dichloropropene-	8.19	79	12745	3.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.40%
46) 2-Hexanone-d5	8.64	63	132514	59.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55101	6.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.20%#
64) 1,2-Dichlorobenzene-d4	12.19	152	62606	7.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	143.80%#

Target Compounds

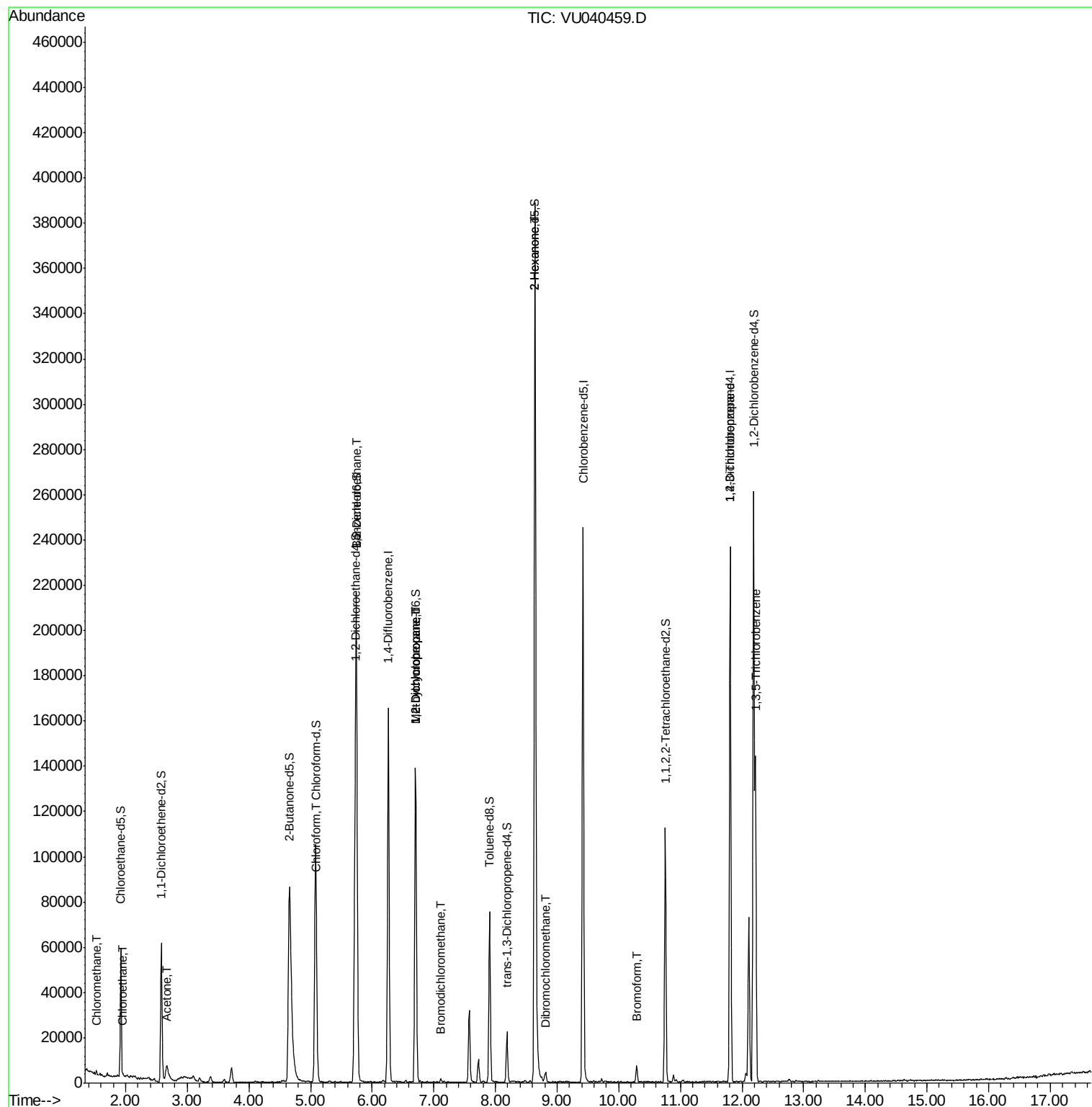
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	1454	0.119	ug/L	94
8) Chloroethane	1.95	64	419	0.059	ug/L #	44
13) Acetone	2.67	43	17441	6.831	ug/L	69
25) Chloroform	5.11	83	4064	0.198	ug/L	83
27) 1,2-Dichloroethane	5.74	62	1181	0.083	ug/L #	74
35) Methylcyclohexane	6.70	83	14286	0.868	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	6883	0.585	ug/L #	88
38) Bromodichloromethane	7.11	83	957	0.066	ug/L #	86
48) 2-Hexanone	8.64	43	19939	2.935	ug/L #	69
49) Dibromochloromethane	8.82	129	2077	0.216	ug/L	87
59) 1,2,3-Trichloropropane	11.81	75	8252	0.967	ug/L	94
61) Bromoform	10.29	173	3309	0.698	ug/L #	92
67) 1,3,5-Trichlorobenzene	12.22	180	1622	0.120	ug/L #	18

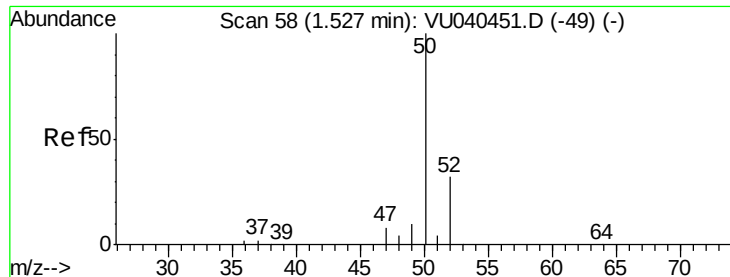
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 03 00:09:31 2020
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#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

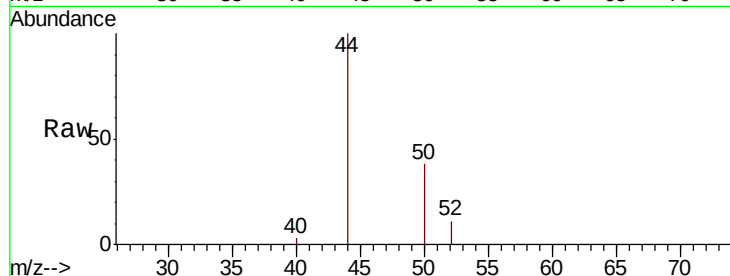
JLWS8RE

Tot Ion: 50 Resp: 1454

Ion Ratio Lower Upper

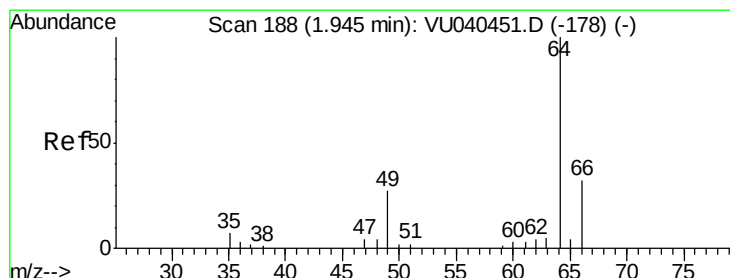
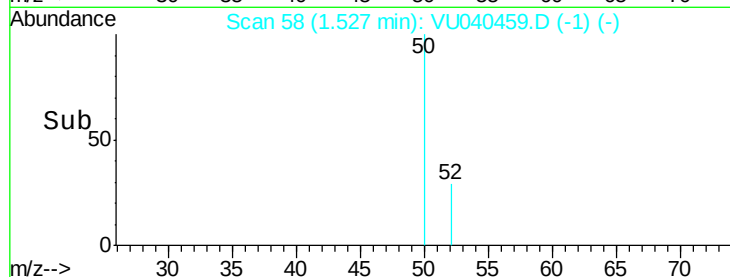
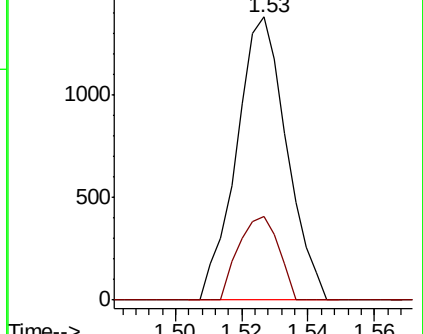
50 100

52 29.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.059 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.01 min

Lab File: VU040459.D

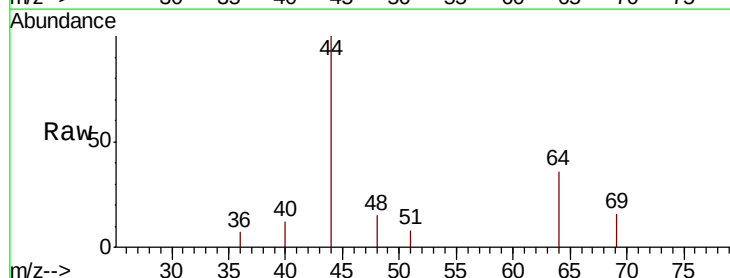
Acq: 02 Oct 2020 14:33

Tgt Ion: 64 Resp: 419

Ion Ratio Lower Upper

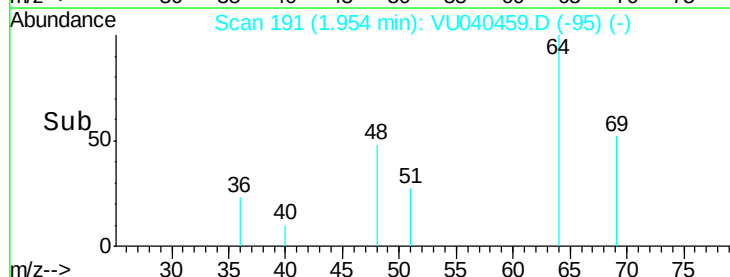
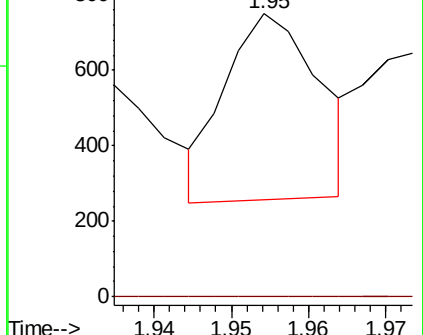
64 100

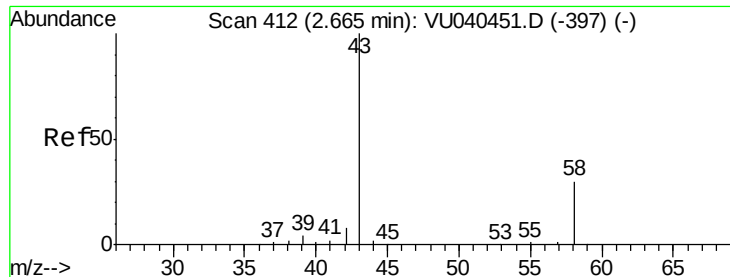
66 0.0 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 6.831 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

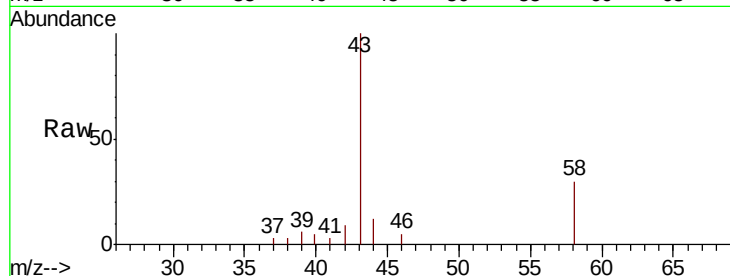
JLWS8RE

Tot Ion: 43 Resp: 17441

Ion Ratio Lower Upper

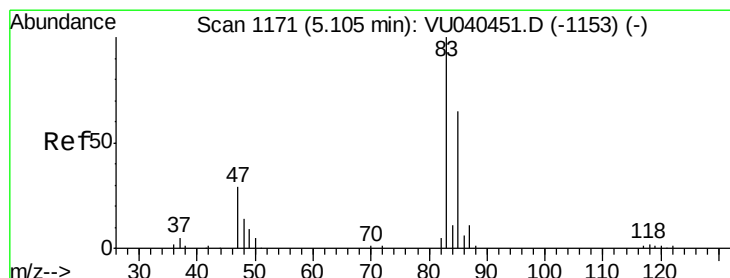
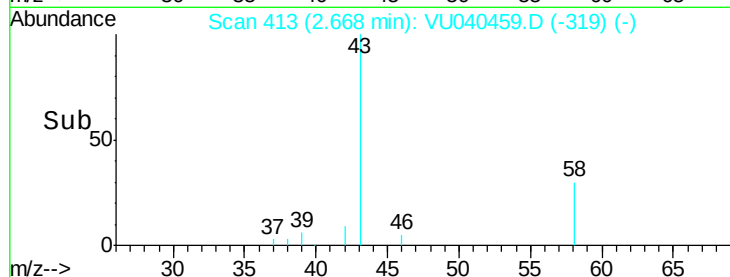
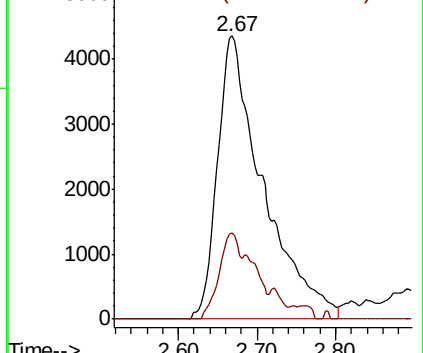
43 100

58 14.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040459.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU040459.D (-319) (-)



#25

Chloroform

Concen: 0.198 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040459.D

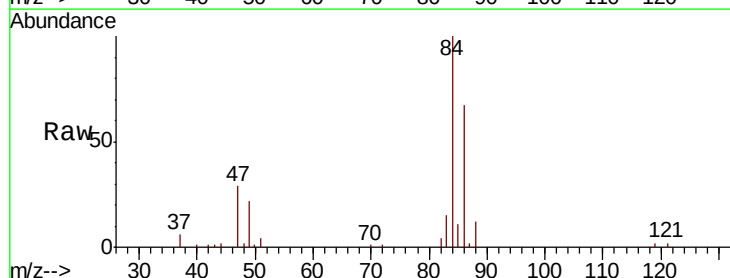
Acq: 02 Oct 2020 14:33

Tgt Ion: 83 Resp: 4064

Ion Ratio Lower Upper

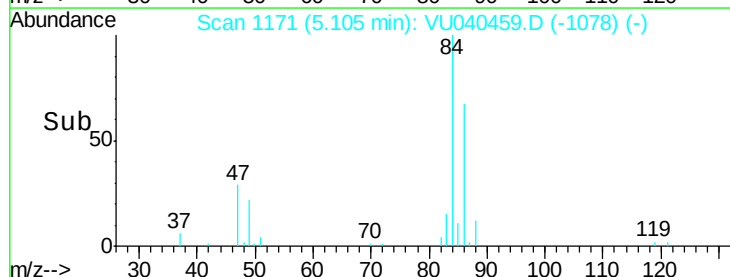
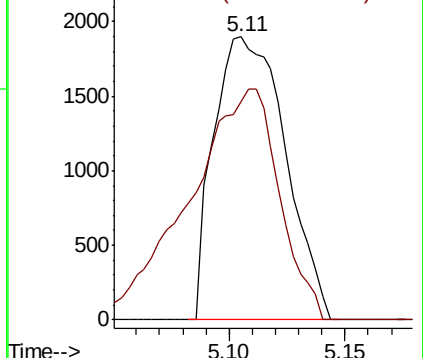
83 100

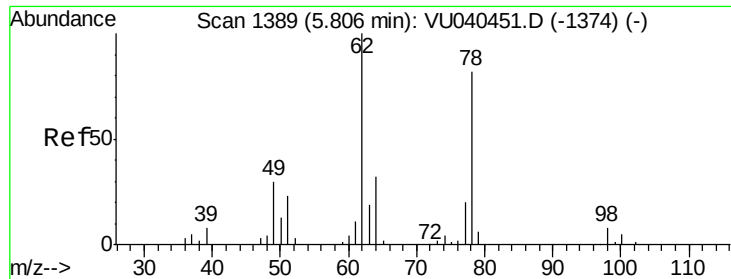
85 76.9 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU040459.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040459.D (-1078) (-)





#27

1,2-Dichloroethane

Concen: 0.083 ug/L

RT: 5.74 min Scan# 1369

Delta R.T. -0.06 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

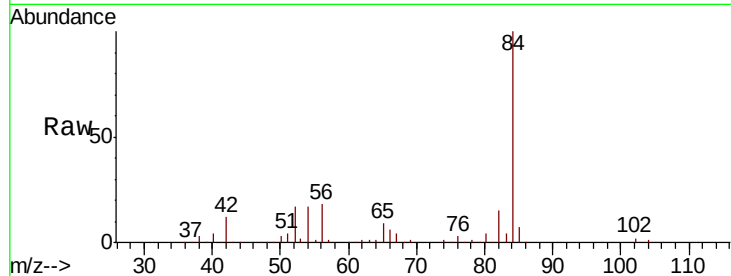
JLWS8RE

Tot Ion: 62 Resp: 1181

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

5.74

600

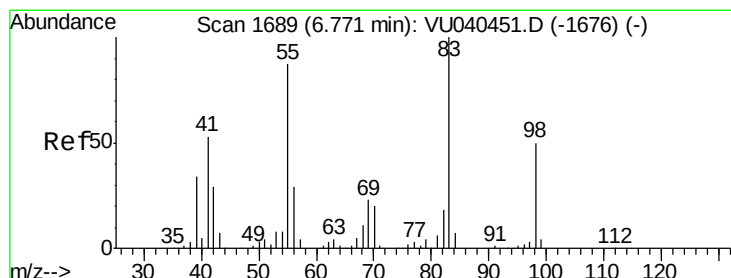
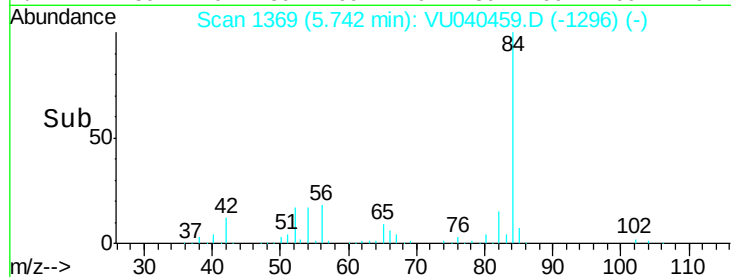
400

200

0

5.70 5.75

Time-->



#35

Methylcyclohexane

Concen: 0.868 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

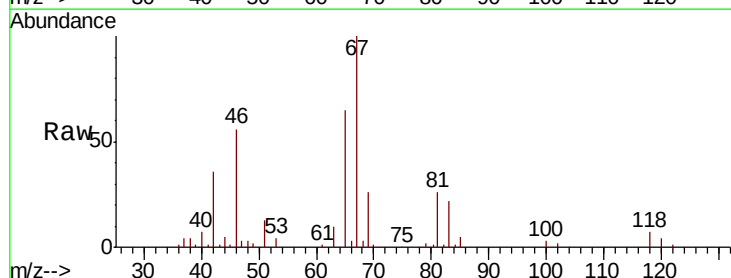
Tgt Ion: 83 Resp: 14286

Ion Ratio Lower Upper

83 100

55 0.0 71.4 107.2#

98 0.3 38.5 57.7#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

6.70

8000

6000

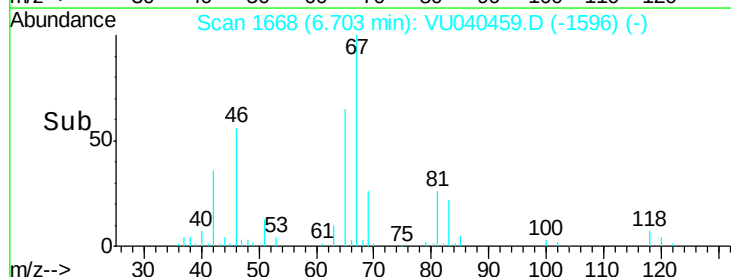
4000

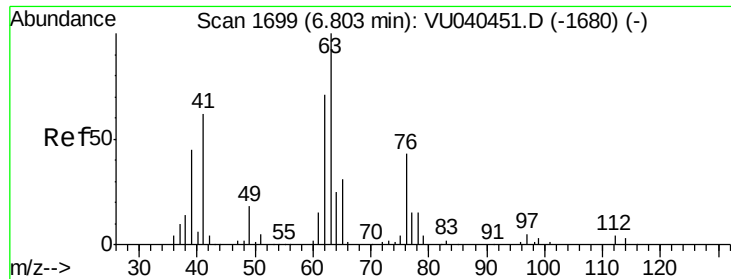
2000

0

6.65 6.70 6.75

Time-->

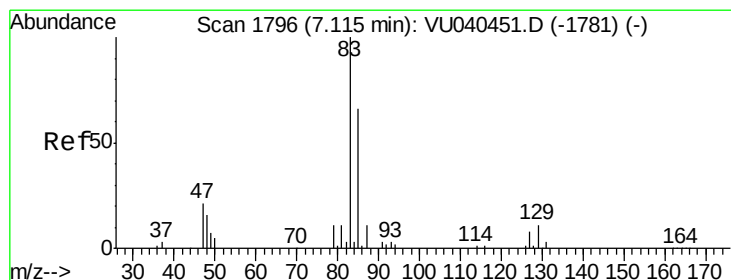
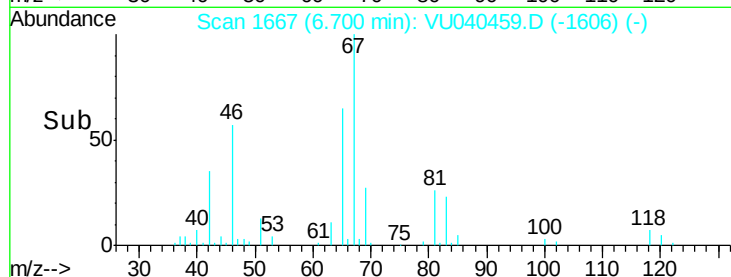
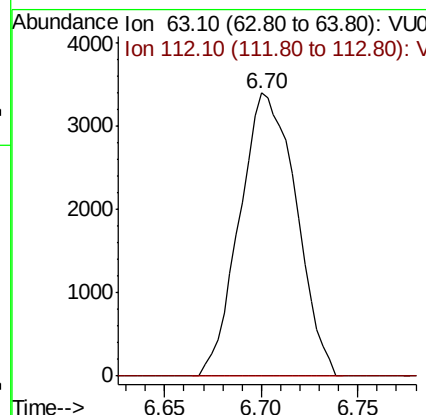
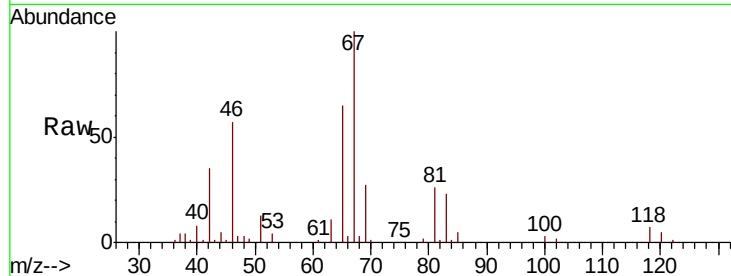




#37
 1,2-Dichloropropane
 Concen: 0.585 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040459.D
 Acq: 02 Oct 2020 14:33

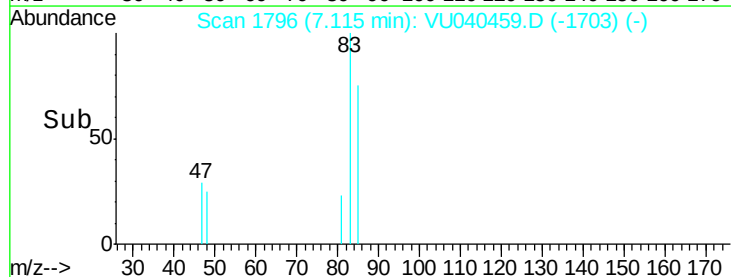
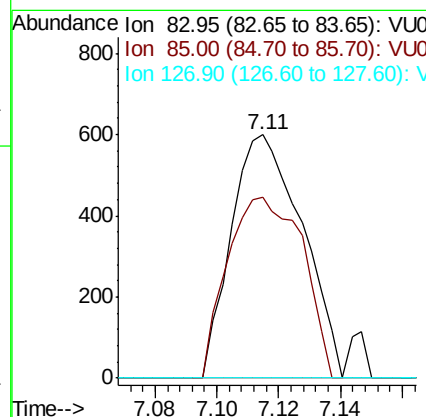
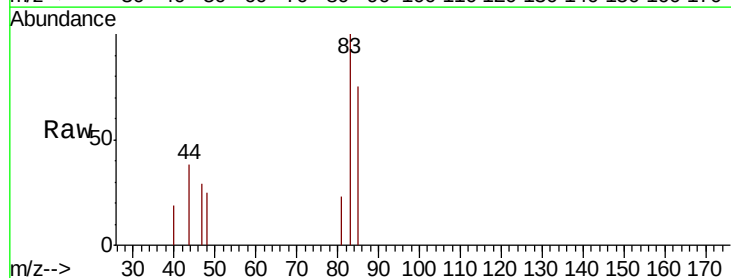
Instrument :
 MSVOA_U
 ClientSampleId :
 JLWS8RE

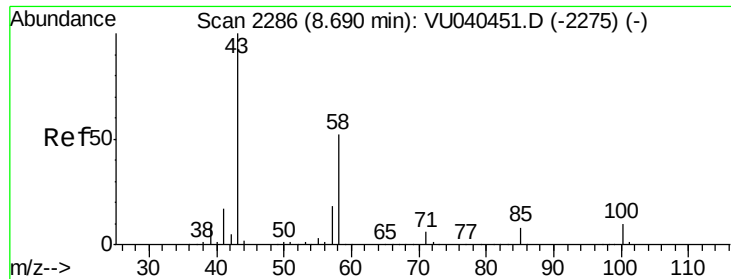
Tot Ion: 63 Resp: 6883
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 0.066 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040459.D
 Acq: 02 Oct 2020 14:33

Tgt Ion: 83 Resp: 957
 Ion Ratio Lower Upper
 83 100
 85 74.5 45.1 83.9
 127 0.0 6.6 9.8#





#48

2-Hexanone

Concen: 2.935 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

Instrument :

MSVOA_U

ClientSampleId :

JLWS8RE

Tot Ion: 43 Resp: 19939

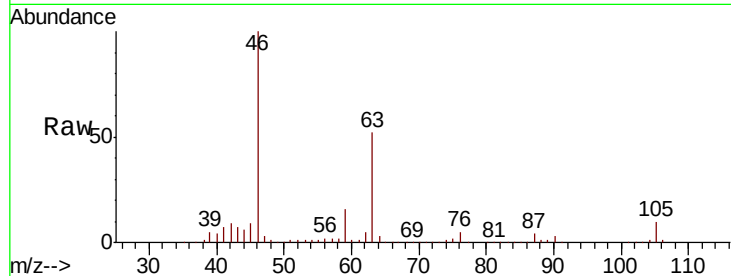
Ion Ratio Lower Upper

43 100

58 26.3 41.0 61.4#

57 26.7 14.6 22.0#

100 0.9 8.2 12.4#

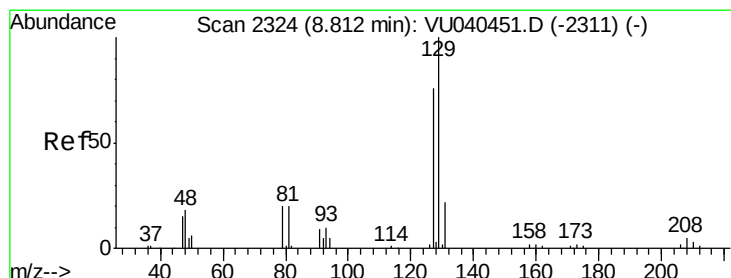
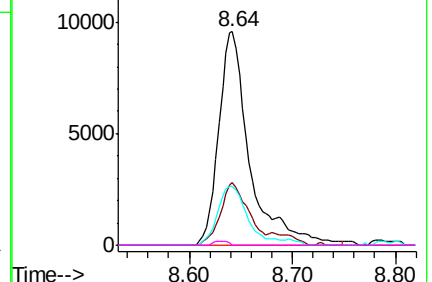
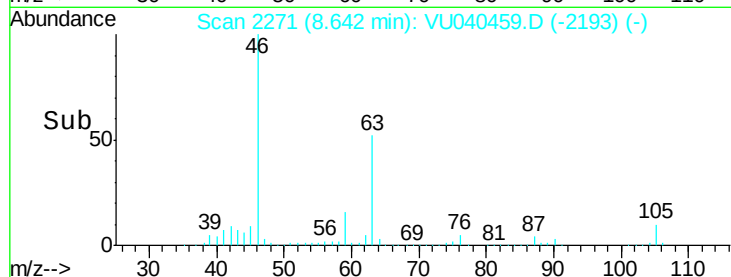


Abundance Ion 43.05 (42.75 to 43.75): VU040459.D (-2271) (-)

Ion 58.05 (57.75 to 58.75): VU040459.D (-2271) (-)

Ion 57.20 (56.90 to 57.90): VU040459.D (-2271) (-)

Ion 100.15 (99.85 to 100.85): VU040459.D (-2271) (-)



#49

Dibromochloromethane

Concen: 0.216 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040459.D

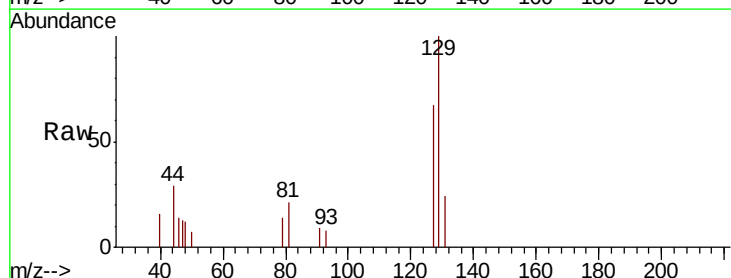
Acq: 02 Oct 2020 14:33

Tgt Ion: 129 Resp: 2077

Ion Ratio Lower Upper

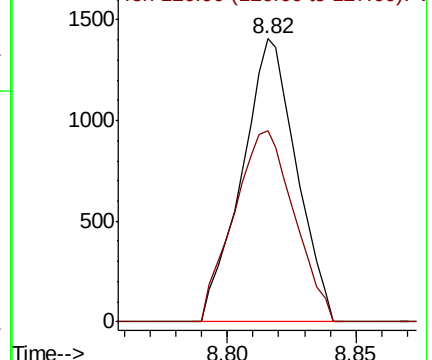
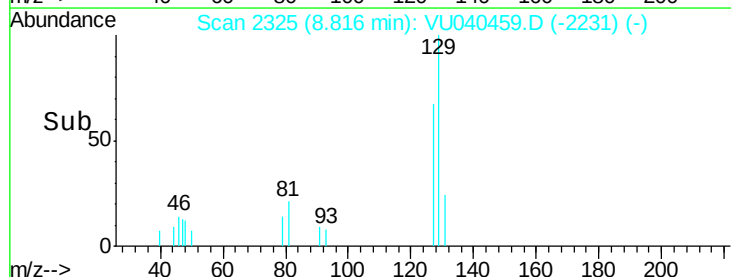
129 100

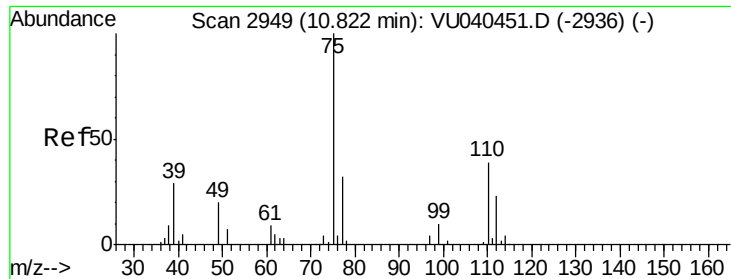
127 67.5 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040459.D (-2321) (-)

Ion 126.90 (126.60 to 127.60): VU040459.D (-2321) (-)





#59

1,2,3-Trichloropropane

Concen: 0.967 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040459.D

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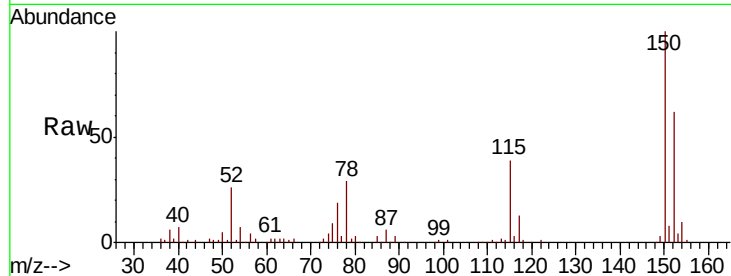
JLWS8RE

Tot Ion: 75 Resp: 8252

Ion Ratio Lower Upper

75 100

77 35.6 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040459.D (-2327) (-)

Ion 77.00 (76.70 to 77.70): VU040459.D (-2327) (-)

11.81

6000

5000

4000

3000

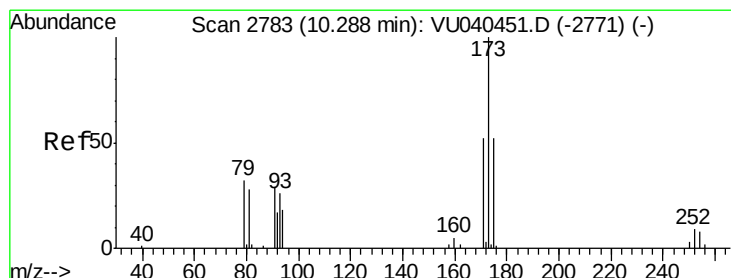
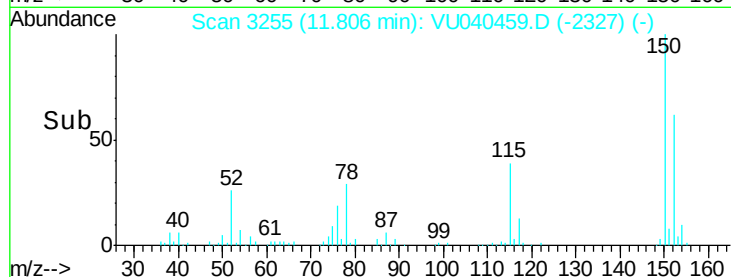
2000

1000

0

Time-->

11.75 11.80 11.85



#61

Bromoform

Concen: 0.698 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.01 min

Lab File: VU040459.D

Acq: 02 Oct 2020 14:33

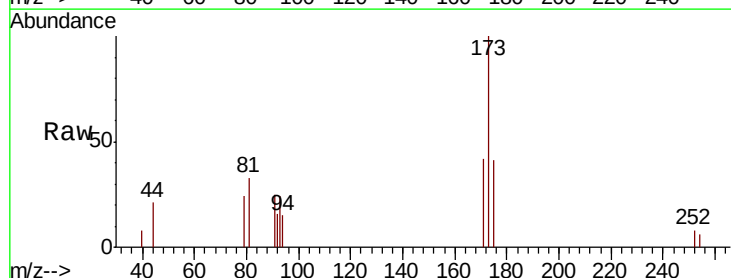
Tgt Ion: 173 Resp: 3309

Ion Ratio Lower Upper

173 100

175 45.4 39.6 59.4

254 2.0 7.0 10.4#



Abundance Ion 172.90 (172.60 to 173.60): VU040459.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VU040459.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VU040459.D (-2690) (-)

10.29

2500

2000

1500

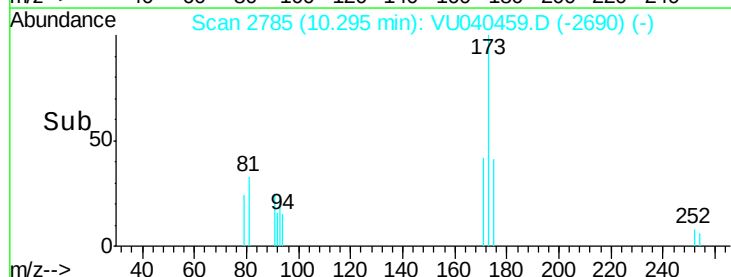
1000

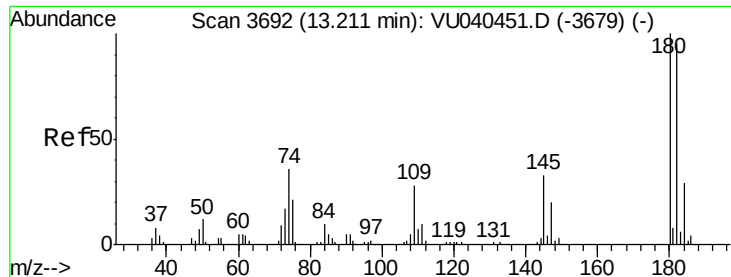
500

0

Time-->

10.25 10.30





#67

1,3,5-Trichlorobenzene

Concen: 0.120 ug/L

RT: 12.22 min Scan# 3383

Delta R.T. -0.99 min

Lab File: VU040459.D

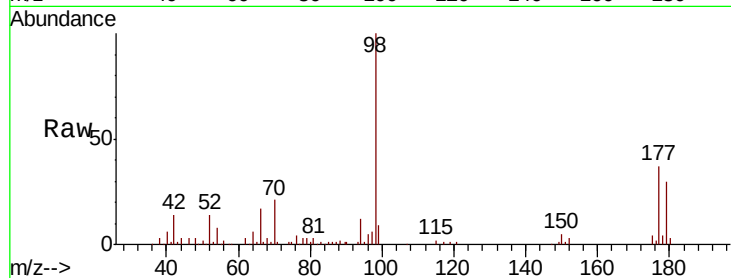
Acq: 02 Oct 2020 14:33

Instrument :

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ClientSampleId :

JLWS8RE



Tot Ion:180 Resp: 1622

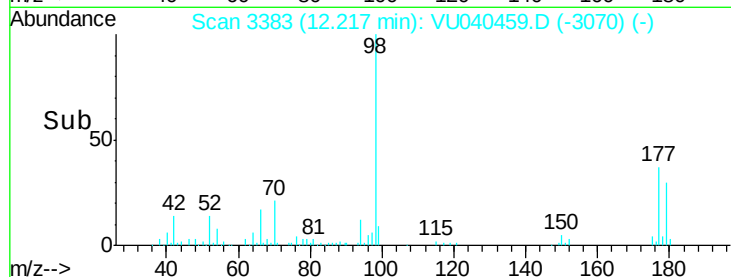
Ion Ratio Lower Upper

180 100

182 0.0 76.5 114.7#

184 0.0 24.6 37.0#

145 0.0 25.8 38.8#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

