

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040266.D
 Acq On : 24 Sep 2020 12:20
 Operator : SY/MD
 Sample : VU0924WBL06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK201

Quant Time: Sep 25 09:41:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	431256	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	420210	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	189450	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	160091	44.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.28%
7) Chloroethane-d5	1.92	69	124800	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.82%
11) 1,1-Dichloroethene-d2	2.58	63	239698	34.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.78%
21) 2-Butanone-d5	4.64	46	293697	96.66	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.66%
24) Chloroform-d	5.08	84	283146	44.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.82%
26) 1,2-Dichloroethane-d4	5.72	65	206780	45.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.78%
32) Benzene-d6	5.74	84	560254	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.18%
36) 1,2-Dichloropropane-d6	6.70	67	188514	46.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.58%
41) Toluene-d8	7.91	98	490436	45.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	92559	45.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.38%
47) 2-Hexanone-d5	8.64	63	174049	97.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.52%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	254435	44.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.24%
66) 1,2-Dichlorobenzene-d4	12.19	152	183138	50.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.50%

Target Compounds

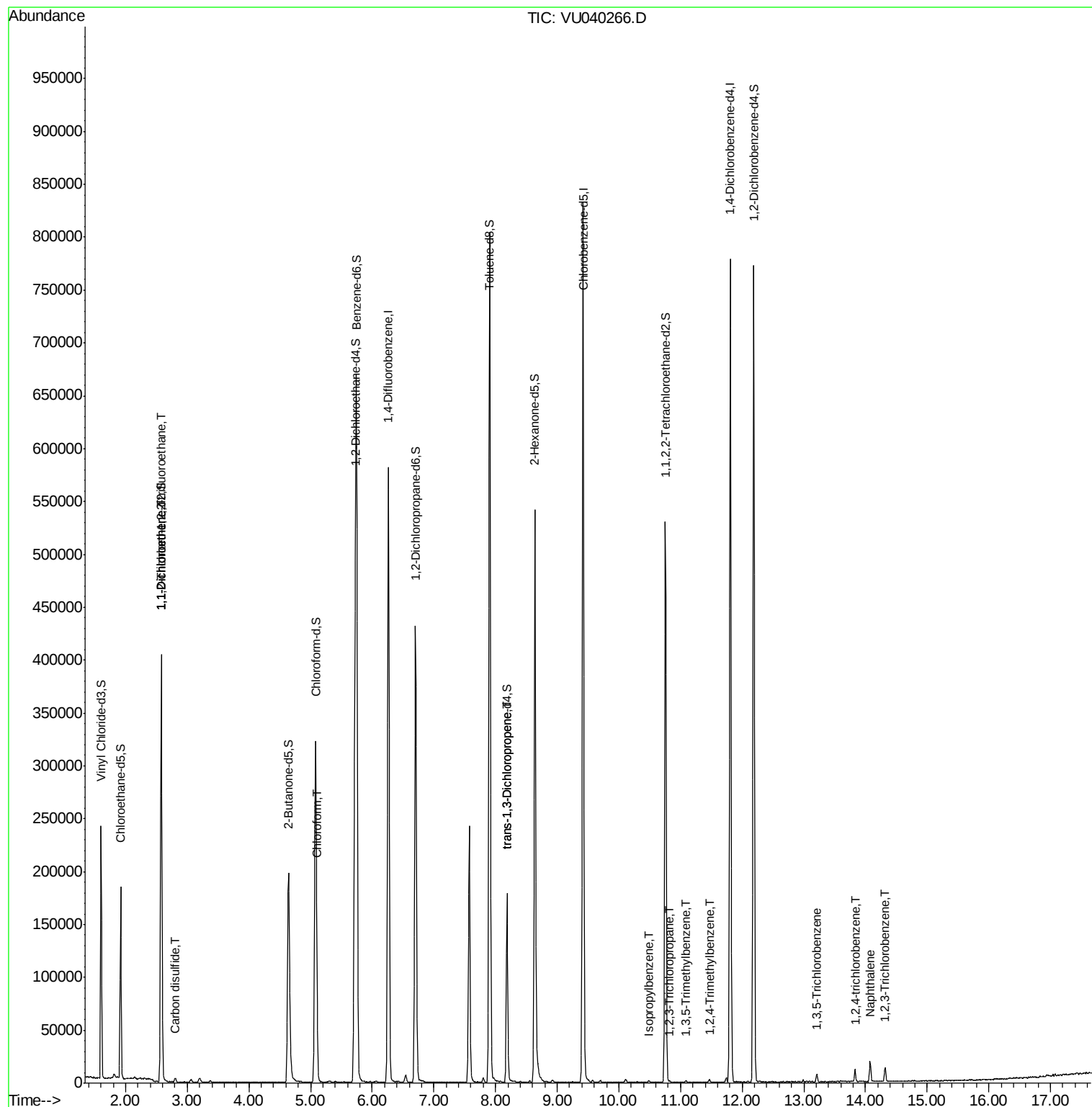
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	2394	0.731	ug/L #	30
12) 1,1-Dichloroethene	2.58	96	2116	0.692	ug/L #	1
14) Carbon disulfide	2.81	76	4885	0.502	ug/L	97
25) Chloroform	5.11	83	6673	0.996	ug/L	98
44) trans-1,3-Dichloropropene	8.19	75	4404	0.774	ug/L #	74
60) 1,2,3-Trichloropropane	10.82	75	657	0.147	ug/L #	81
61) Isopropylbenzene	10.48	105	1361	0.104	ug/L #	91
62) 1,3,5-Trimethylbenzene	11.08	105	1309	0.122	ug/L	93
63) 1,2,4-Trimethylbenzene	11.47	105	1597	0.147	ug/L	98
69) 1,3,5-Trichlorobenzene	13.21	180	2466	0.609	ug/L	93
70) 1,2,4-trichlorobenzene	13.83	180	3797	1.087	ug/L	97
71) Naphthalene	14.08	128	16051	1.484	ug/L	97
72) 1,2,3-Trichlorobenzene	14.32	180	4270	1.239	ug/L	98

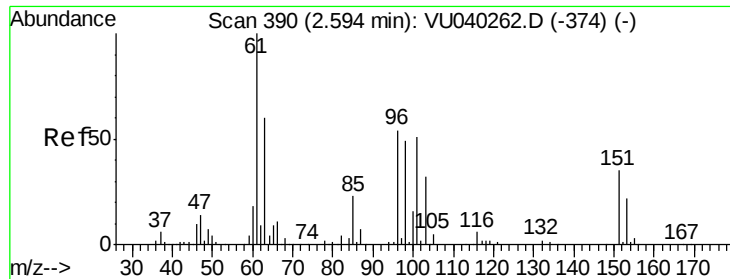
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

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VBLK201

Quant Time: Sep 25 09:41:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 25 09:34:00 2020
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.731 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

VBLK201

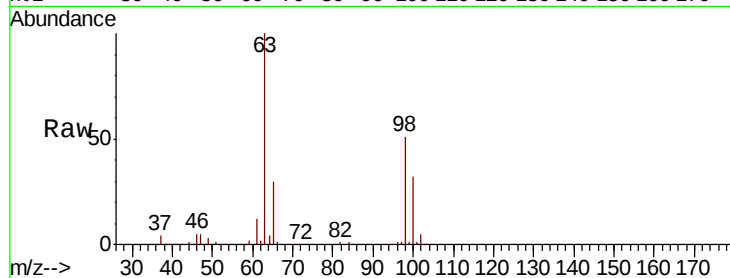
Tot Ion:101 Resp: 2394

Ion Ratio Lower Upper

101 100

85 4.2 36.0 54.0#

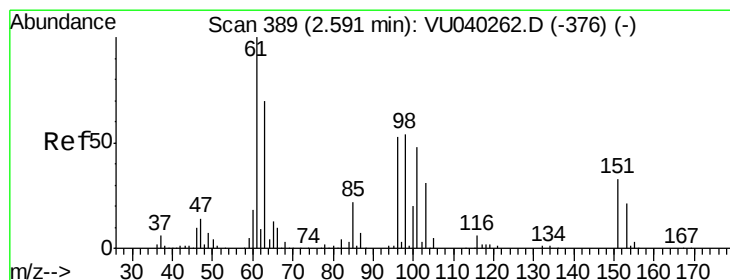
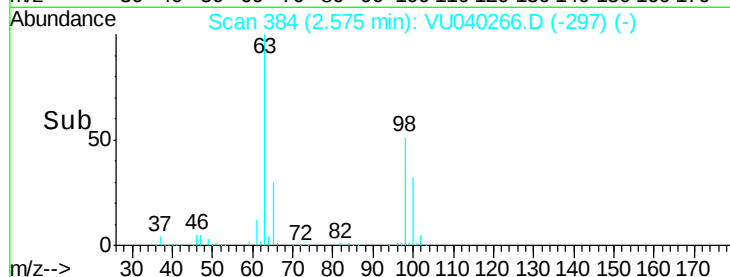
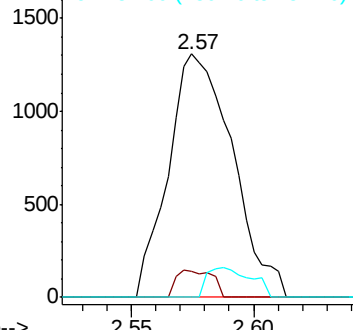
151 7.4 54.5 81.7#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.692 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

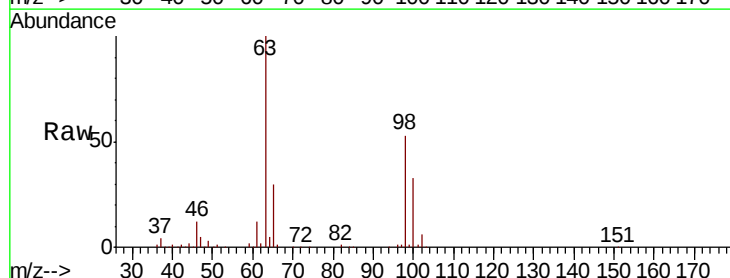
Tgt Ion: 96 Resp: 2116

Ion Ratio Lower Upper

96 100

61 1145.9 131.8 244.8#

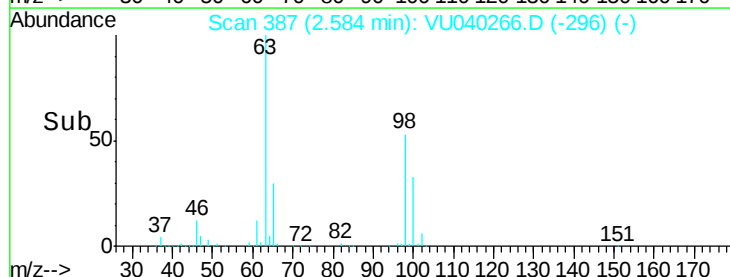
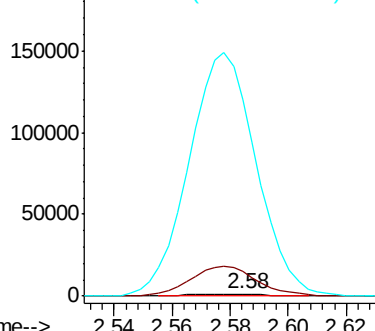
63 9338.1 94.1 174.7#

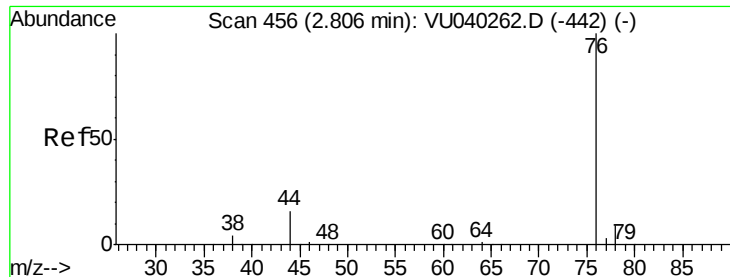


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

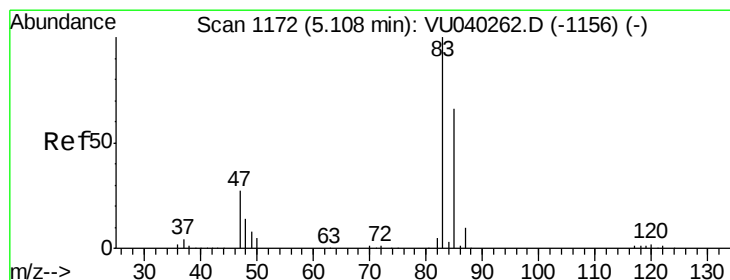
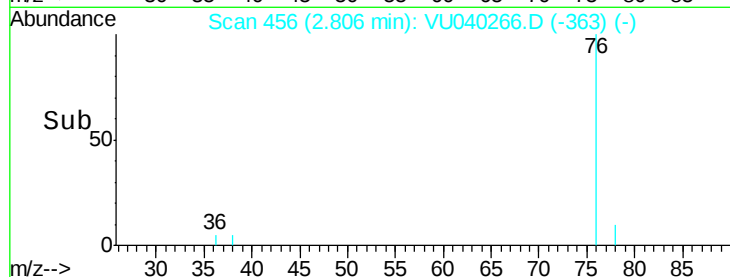
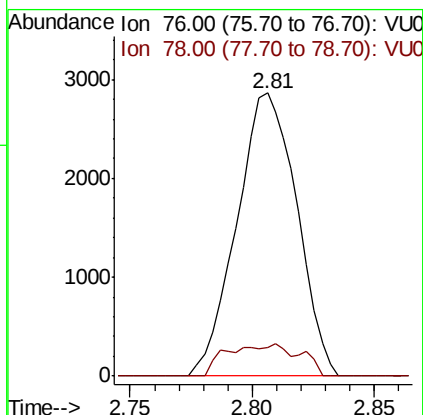
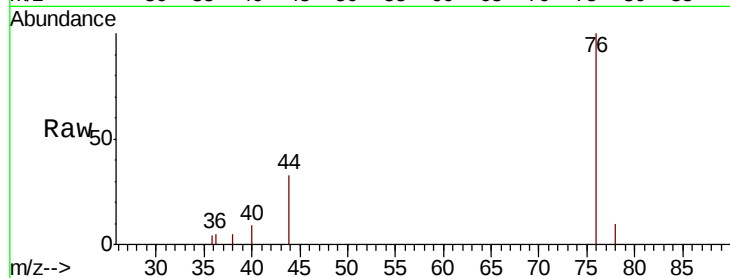




#14
Carbon disulfide
Concen: 0.502 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040266.D
Acq: 24 Sep 2020 12:20

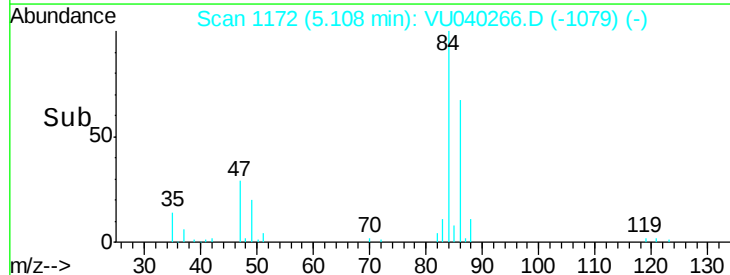
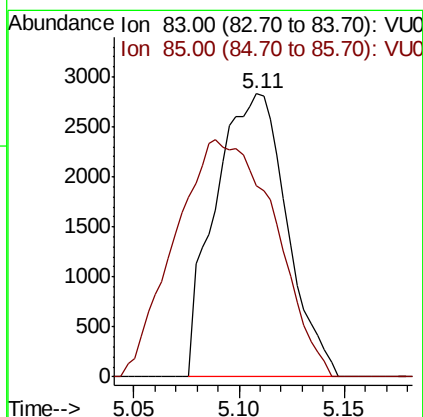
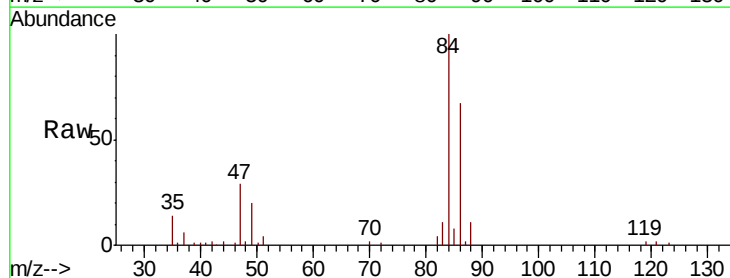
Instrument :
MSVOA_U
ClientSampleId :
VBLK201

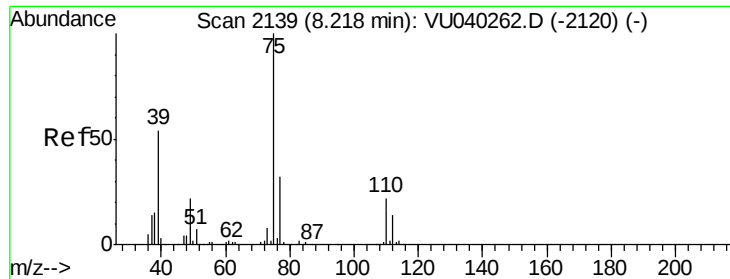
Tot Ion: 76 Resp: 4885
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.2



#25
Chloroform
Concen: 0.996 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU040266.D
Acq: 24 Sep 2020 12:20

Tgt Ion: 83 Resp: 6673
Ion Ratio Lower Upper
83 100
85 67.6 46.4 86.2





#44

trans-1,3-Dichloropropene

Concen: 0.774 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Instrument :

MSVOA_U

ClientSampled :

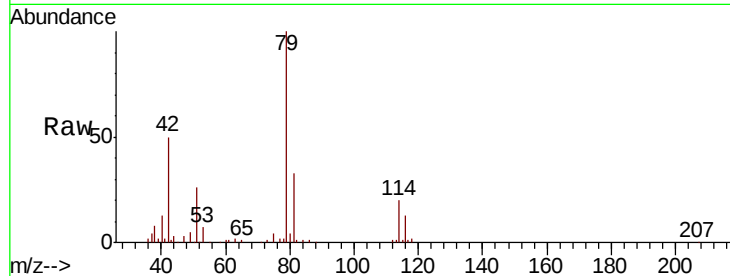
VBLK201

Tot Ion: 75 Resp: 4404

Ion Ratio Lower Upper

75 100

77 46.4 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU040262.D (-2120) (-)

Ion 77.00 (76.70 to 77.70): VU040262.D (-2120) (-)

8.19

2500

2000

1500

1000

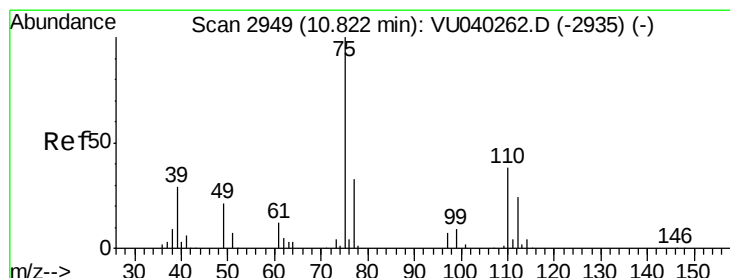
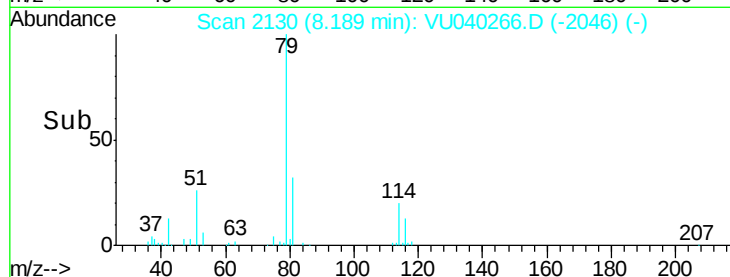
500

0

8.15

8.20

Time-->



#60

1,2,3-Trichloropropane

Concen: 0.147 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

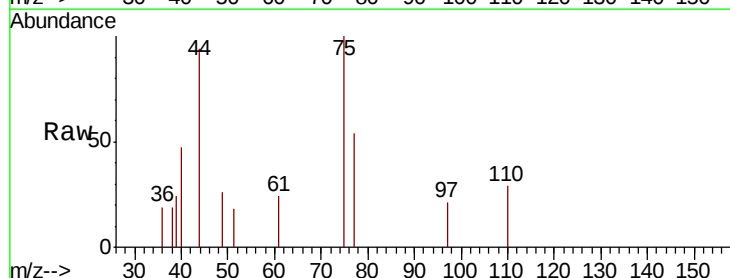
Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

77 33.5 26.0 39.0

110 16.4 29.8 44.8#



Abundance Ion 75.00 (74.70 to 75.70): VU040262.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040262.D (-2935) (-)

Ion 110.00 (109.70 to 110.70): VU040262.D (-2935) (-)

10.82

800

600

400

200

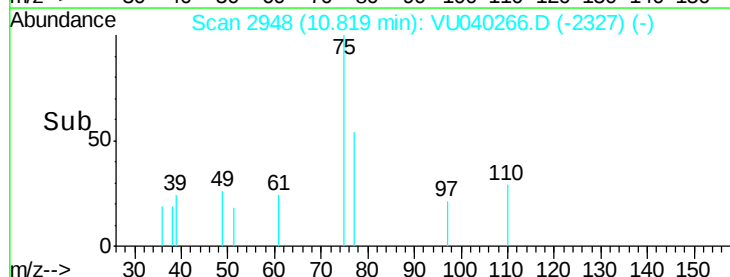
0

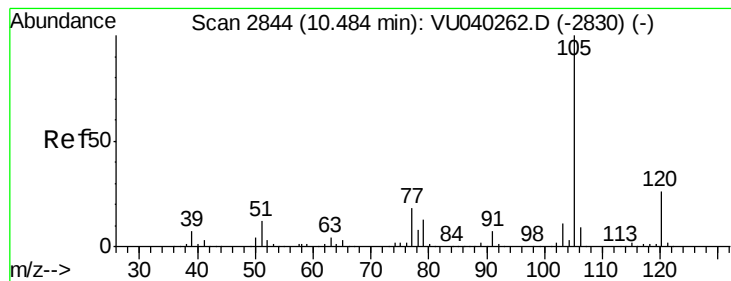
10.80

10.82

10.84

Time-->





#61

Isopropylbenzene

Concen: 0.104 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

VBLK201

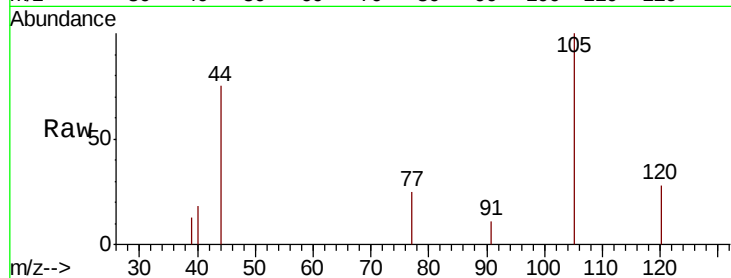
Tot Ion:105 Resp: 1361

Ion Ratio Lower Upper

105 100

120 18.4 20.6 30.8#

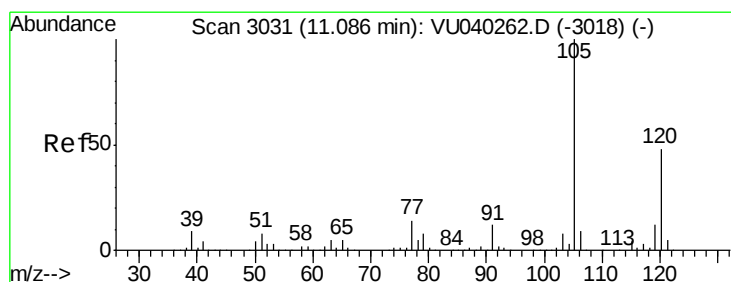
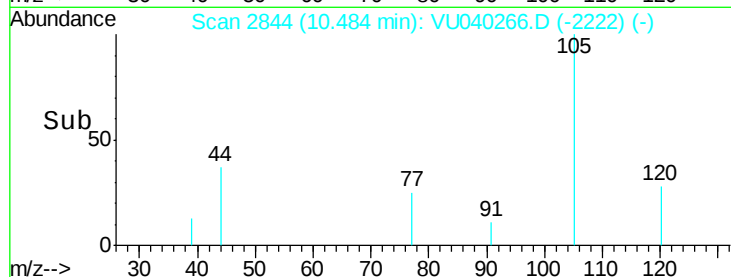
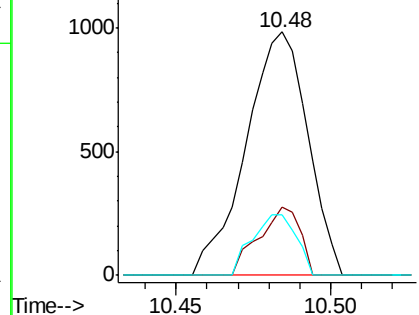
77 17.6 13.8 20.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#62

1,3,5-Trimethylbenzene

Concen: 0.122 ug/L

RT: 11.08 min Scan# 3029

Delta R.T. -0.01 min

Lab File: VU040266.D

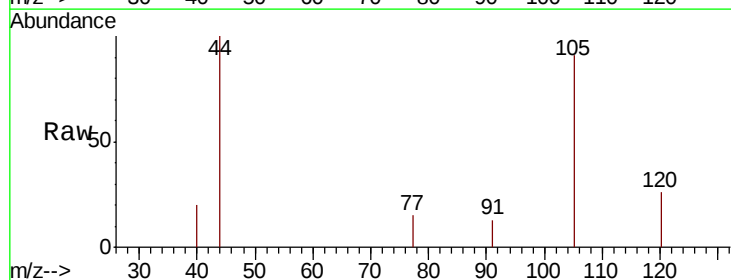
Acq: 24 Sep 2020 12:20

Tgt Ion:105 Resp: 1309

Ion Ratio Lower Upper

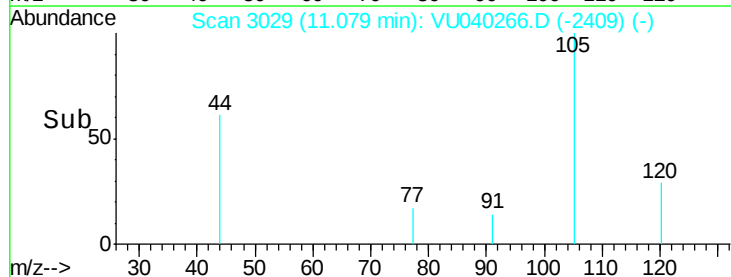
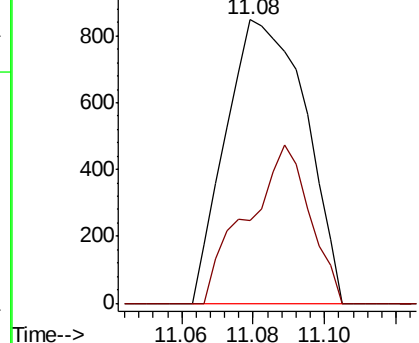
105 100

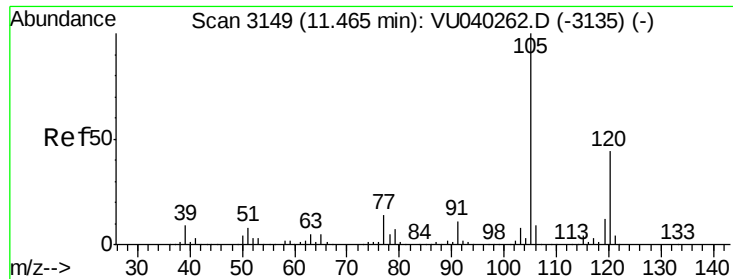
120 43.9 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#63

1,2,4-Trimethylbenzene

Concen: 0.147 ug/L

RT: 11.47 min Scan# 3149

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Instrument :

MSVOA_U

ClientSampleId :

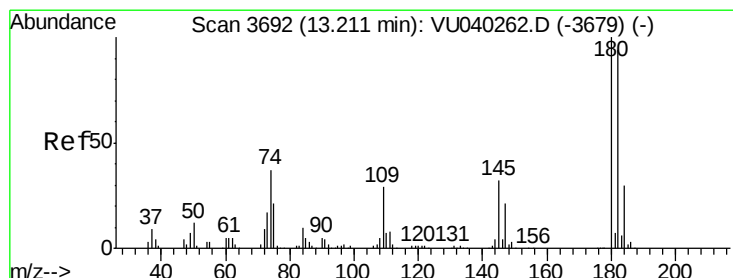
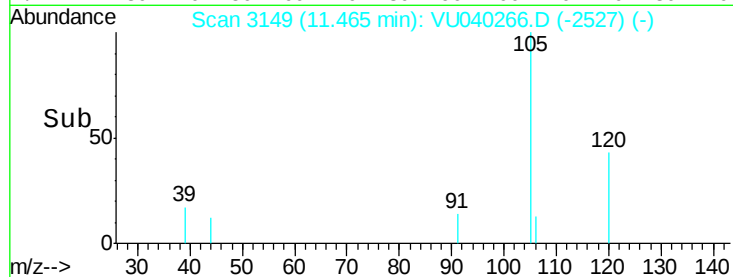
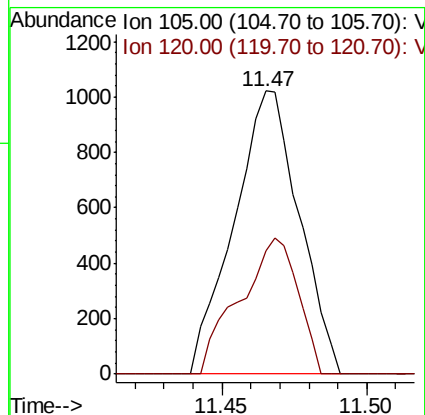
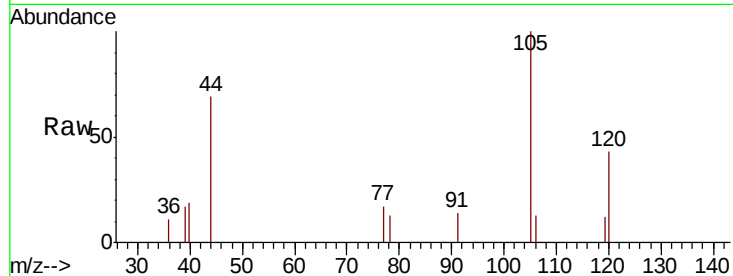
VBLK201

Tot Ion:105 Resp: 1597

Ion Ratio Lower Upper

105 100

120 43.1 35.8 53.6



#69

1,3,5-Trichlorobenzene

Concen: 0.609 ug/L

RT: 13.21 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

Tgt Ion:180 Resp: 2466

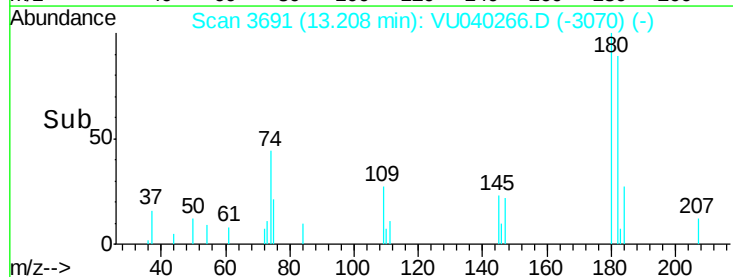
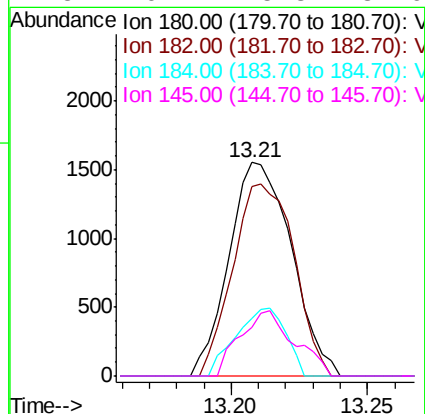
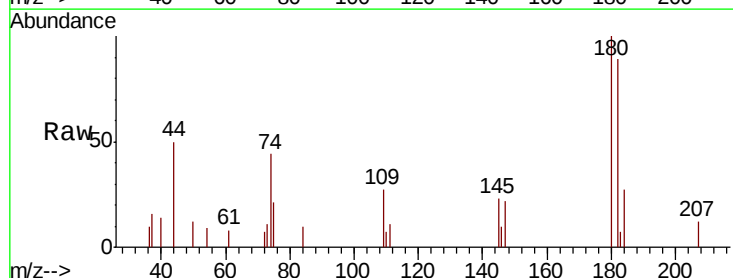
Ion Ratio Lower Upper

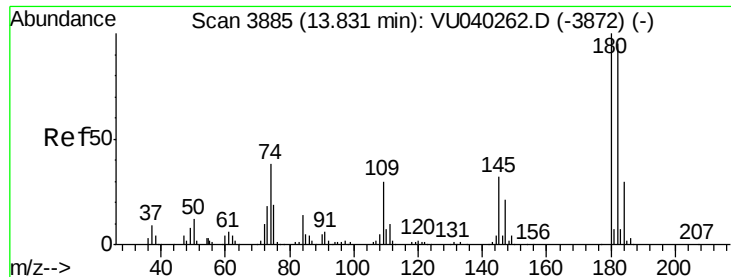
180 100

182 88.2 75.4 113.0

184 25.2 23.7 35.5

145 26.4 25.3 37.9





#70

1,2,4-trichlorobenzene

Concen: 1.087 ug/L

RT: 13.83 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

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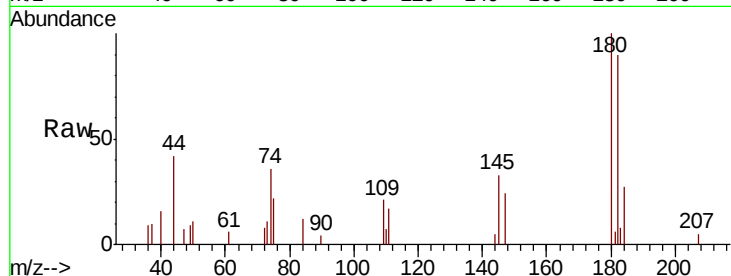
Tot Ion:180 Resp: 3797

Ion Ratio Lower Upper

180 100

182 92.3 76.3 114.5

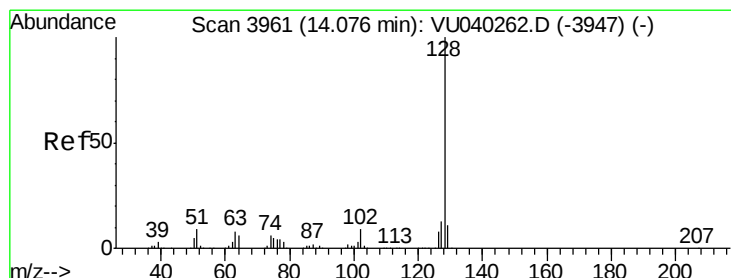
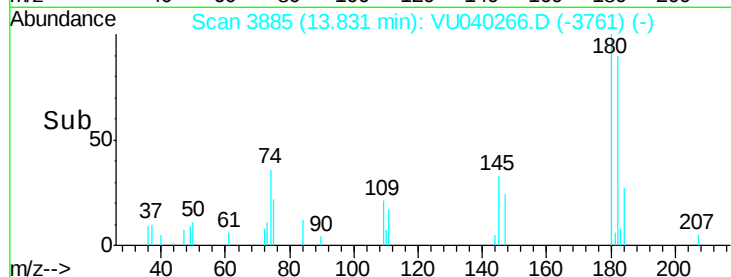
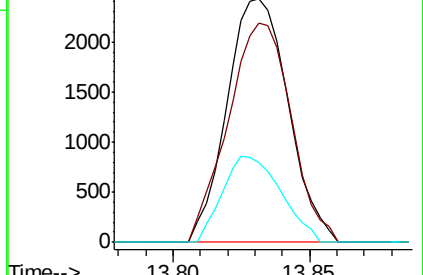
145 33.7 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 1.484 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040266.D

Acq: 24 Sep 2020 12:20

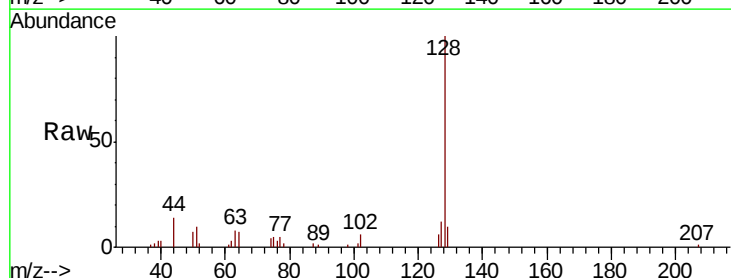
Tgt Ion:128 Resp: 16051

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

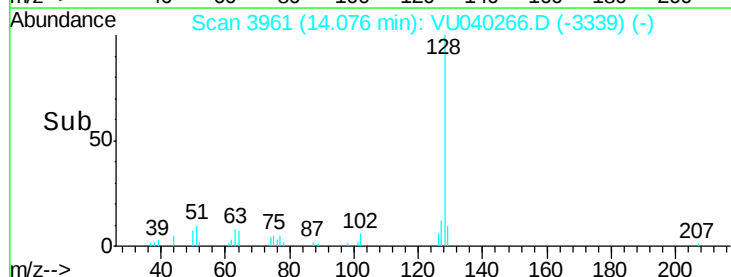
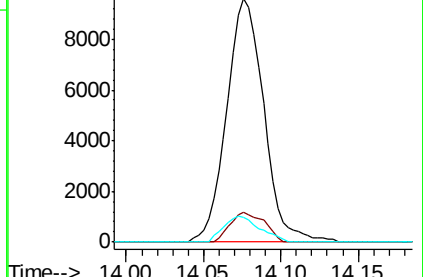
129 10.2 8.8 13.2

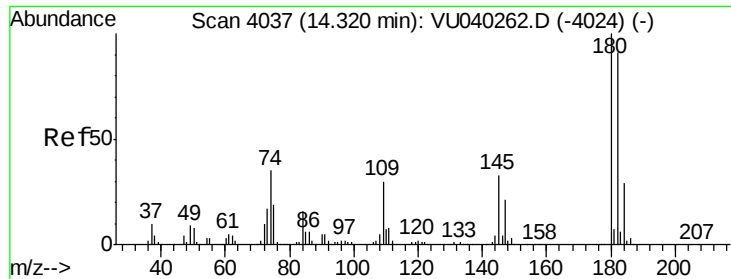


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

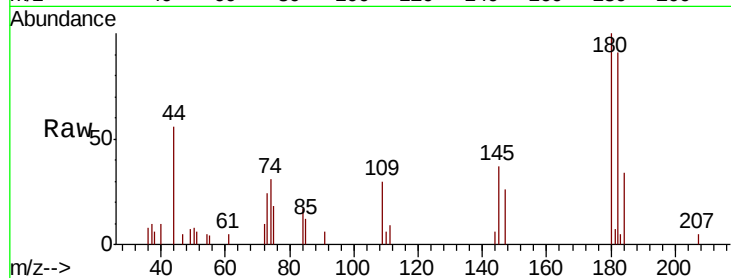




#72
 1,2,3-Trichlorobenzene
 Concen: 1.239 ug/L
 RT: 14.32 min Scan# 4037
 Delta R.T. -0.00 min
 Lab File: VU040266.D
 Acq: 24 Sep 2020 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK201

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	74.2	111.4
145	30.2	27.8	41.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

