

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003740.D
 Acq On : 11 Dec 2020 20:14
 Operator : SY/MD
 Sample : L5063-08
 Misc : 4.71G/10ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0

Quant Time: Dec 12 01:42:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	290091	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	191591	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	45796	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	75014	18.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.16%
7) Chloroethane-d5	2.77	69	69931	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
10) 1,1-Dichloroethene-d2	3.86	63	131546	17.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.16%
20) 2-Butanone-d5	6.90	46	85002	58.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.24%
24) Chloroform-d	7.49	84	184156	24.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	8.15	65	109991	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.76%
29) Benzene-d6	8.12	84	362398	32.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.68%
33) 1,2-Dichloropropane-d6	9.12	67	115339	35.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	140.56%#
37) Toluene-d8	10.18	98	265648	26.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.88%
38) trans-1,3-Dichloropropene-	10.44	79	50249	32.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	128.12%
39) 2-Hexanone-d5	10.79	63	60797	73.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.86%#
48) 1,1,2,2-Tetrachloroethane-	12.56	84	80240	27.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.76%
61) 1,2-Dichlorobenzene-d4	13.72	152	41245	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

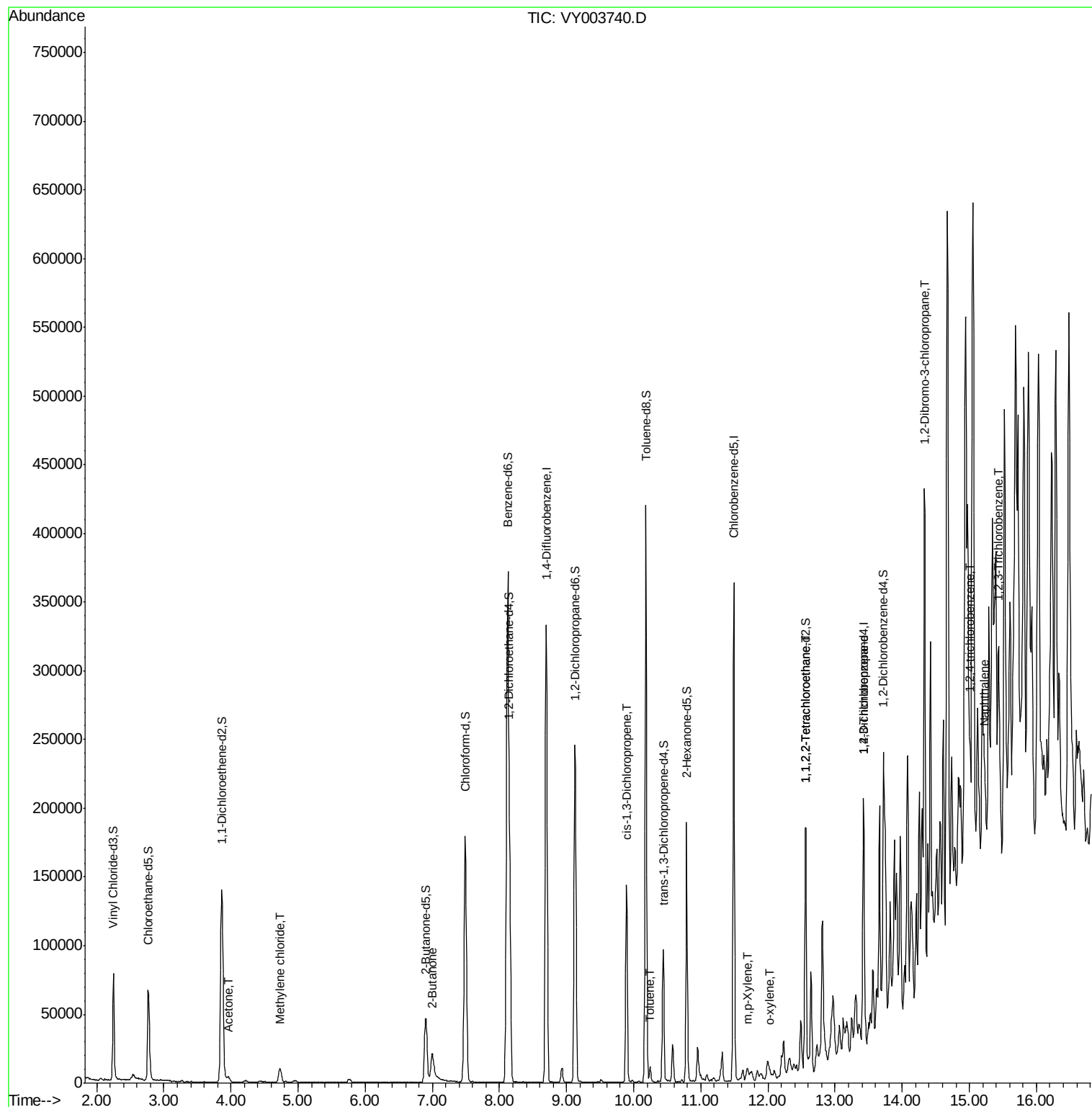
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	3.97	43	3139	2.928	ug/L	52
16) Methylene chloride	4.73	84	6926	1.360	ug/L	92
21) 2-Butanone	7.00	43	2368	1.251	ug/L #	69
42) cis-1,3-Dichloropropene	9.89	75	4018	0.929	ug/L #	77
44) Toluene	10.25	91	7761	0.671	ug/L	91
54) m,p-Xylene	11.70	106	1649	0.339	ug/L	84
55) o-xylene	12.03	106	865	0.185	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.56	83	1402	0.552	ug/L #	42
59) 1,2,3-Trichloropropane	13.42	75	5656	2.490	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.33	75	1915	8.227	ug/L #	1
68) 1,2,4-trichlorobenzene	15.01	180	619	0.377	ug/L #	1
69) Naphthalene	15.23	128	18118	5.259	ug/L #	80
70) 1,2,3-Trichlorobenzene	15.43	180	729	0.486	ug/L #	1

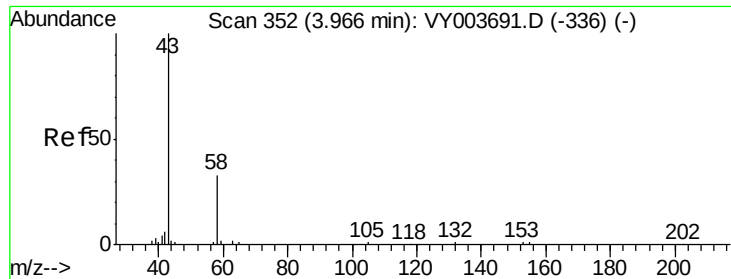
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 11 10:03:37 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.928 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

Instrument :

MSVOA_Y

ClientSampled :

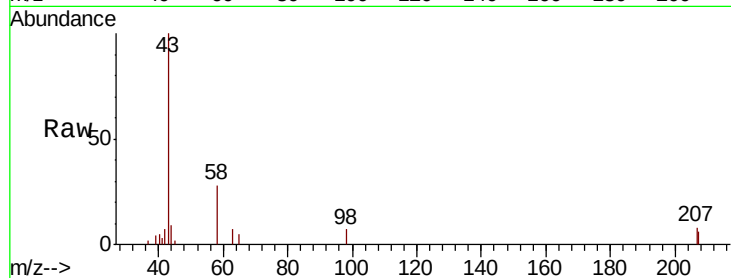
C0AE0

Tot Ion: 43 Resp: 3139

Ion Ratio Lower Upper

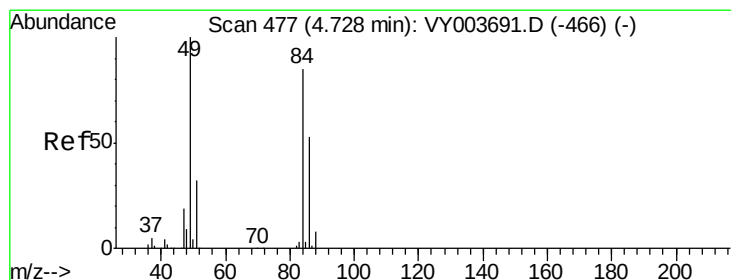
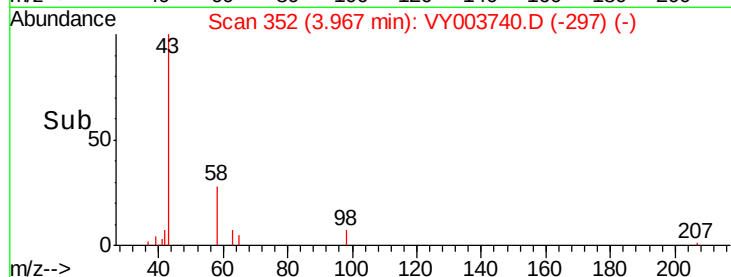
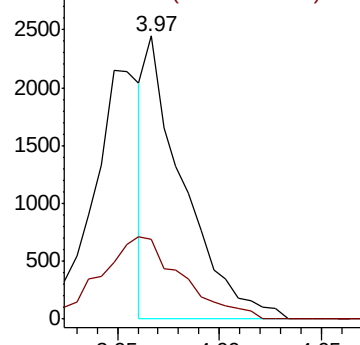
43 100

58 62.2 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 1.360 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

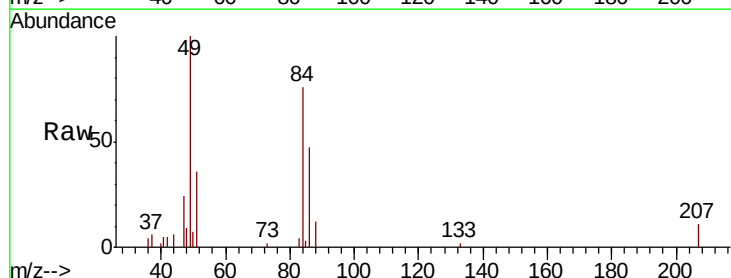
Tgt Ion: 84 Resp: 6926

Ion Ratio Lower Upper

84 100

49 132.2 83.7 155.4

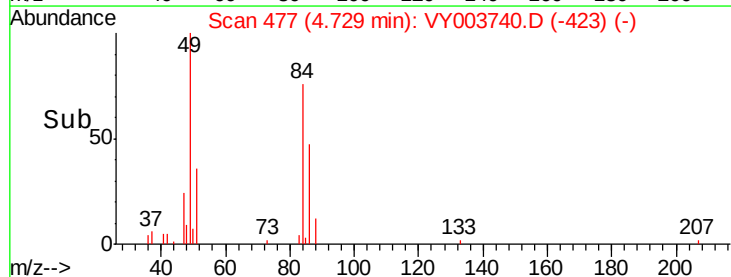
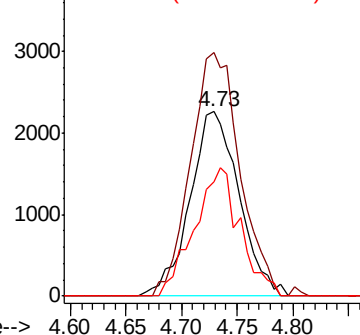
86 62.2 45.0 83.6

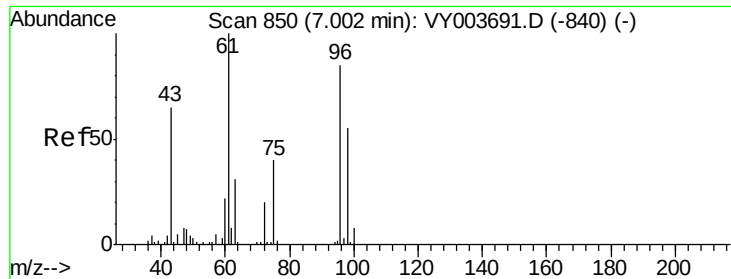


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#21

2-Butanone

Concen: 1.251 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.00 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

Instrument :

MSVOA_Y

ClientSampleId :

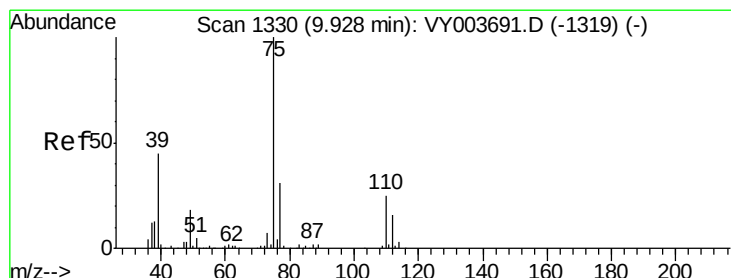
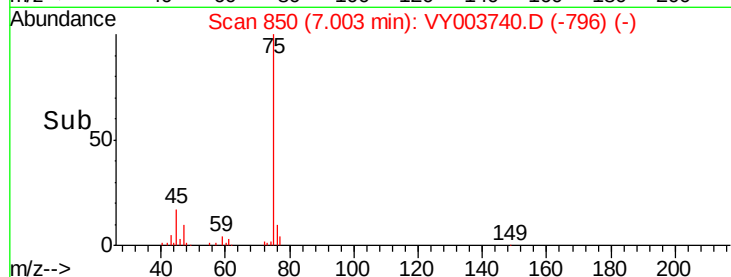
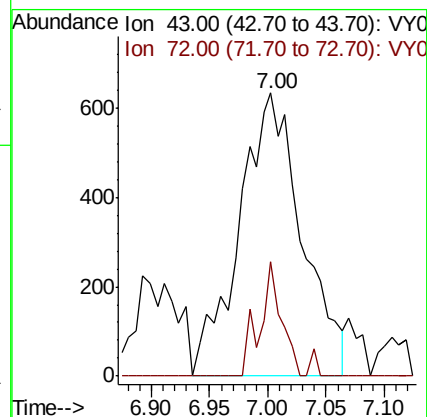
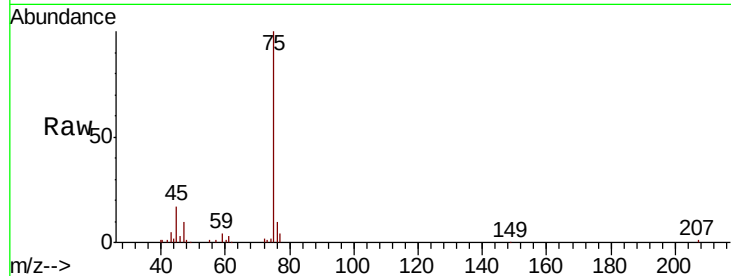
C0AE0

Tot Ion: 43 Resp: 2368

Ion Ratio Lower Upper

43 100

72 10.8 13.3 39.9#



#42

cis-1,3-Dichloropropene

Concen: 0.929 ug/L

RT: 9.89 min Scan# 1324

Delta R.T. -0.04 min

Lab File: VY003740.D

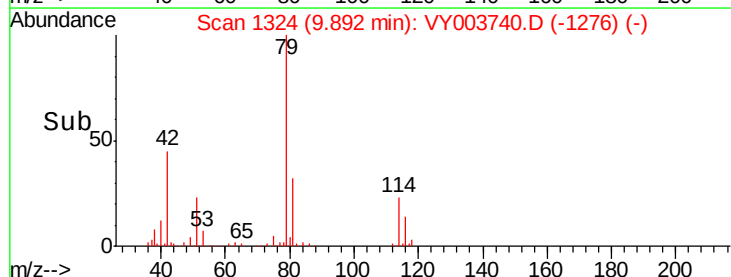
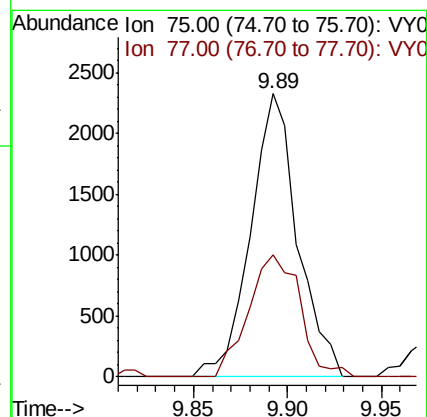
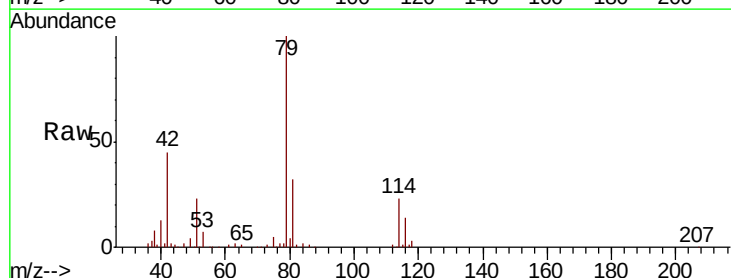
Acq: 11 Dec 2020 20:14

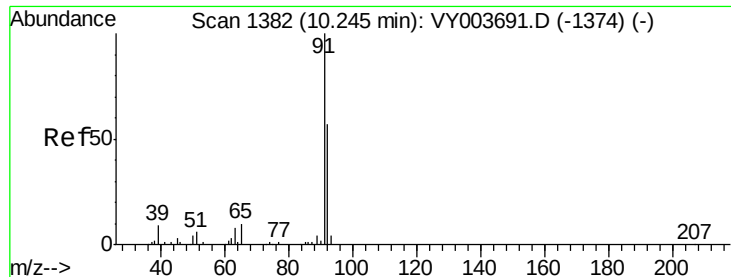
Tgt Ion: 75 Resp: 4018

Ion Ratio Lower Upper

75 100

77 43.0 21.3 39.6#





#44

Toluene

Concen: 0.671 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

Instrument :

MSVOA_Y

ClientSampled :

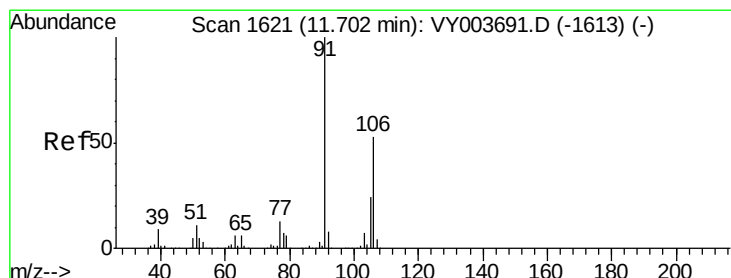
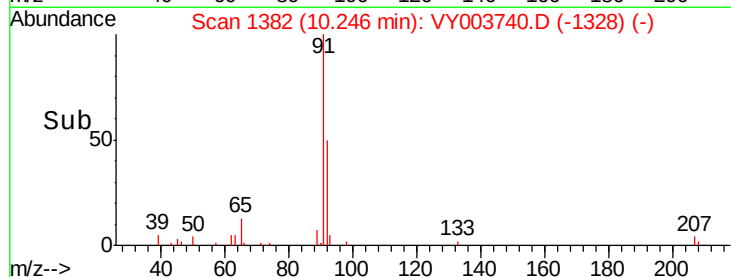
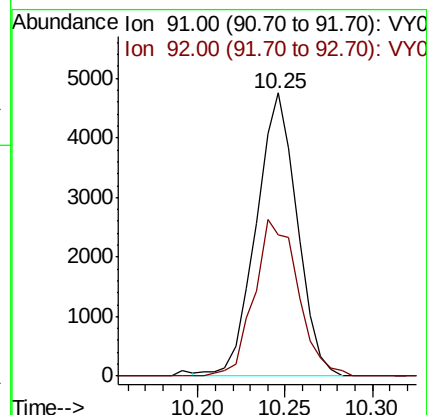
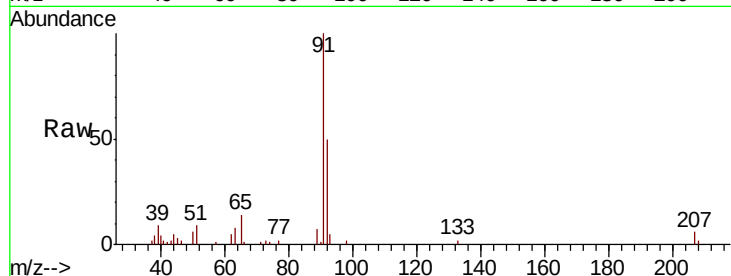
C0AE0

Tot Ion: 91 Resp: 7761

Ion Ratio Lower Upper

91 100

92 49.9 39.8 73.8



#54

m,p-Xylene

Concen: 0.339 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003740.D

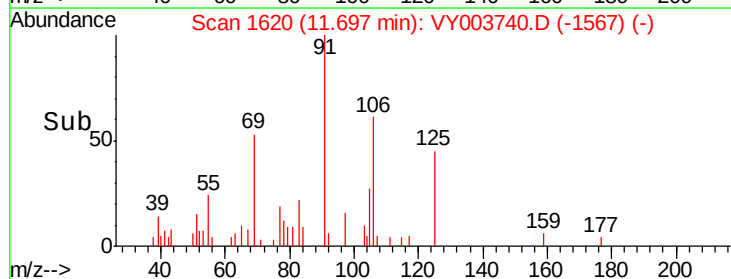
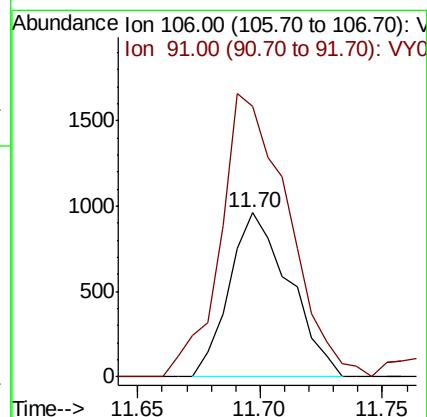
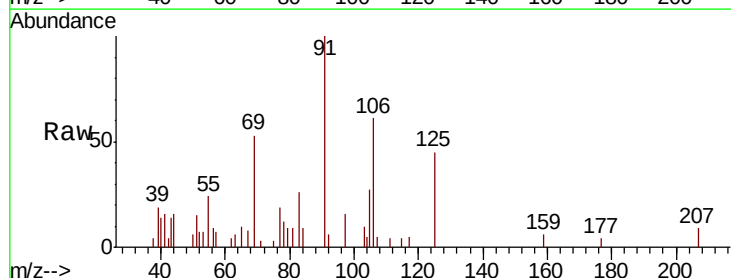
Acq: 11 Dec 2020 20:14

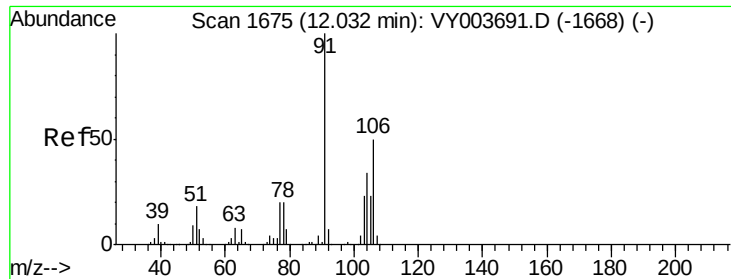
Tgt Ion: 106 Resp: 1649

Ion Ratio Lower Upper

106 100

91 164.7 131.3 243.9

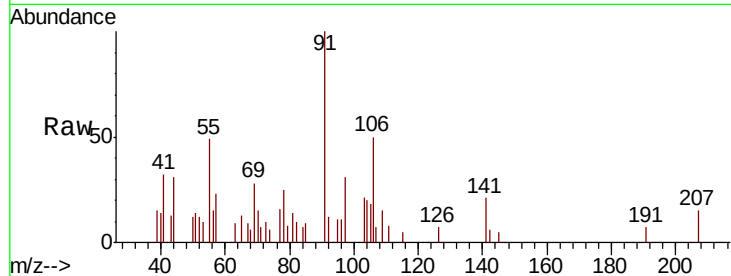




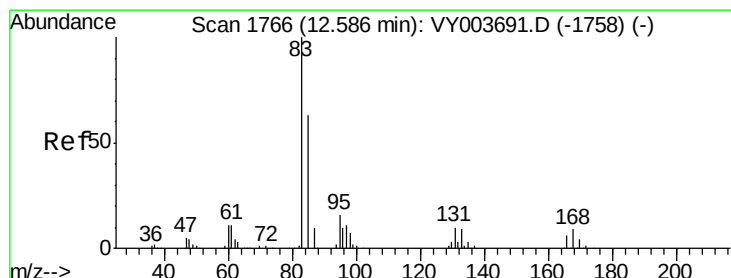
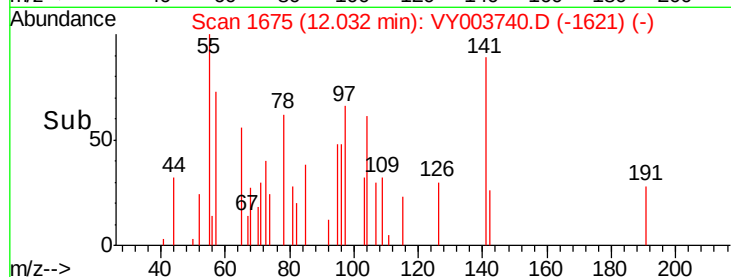
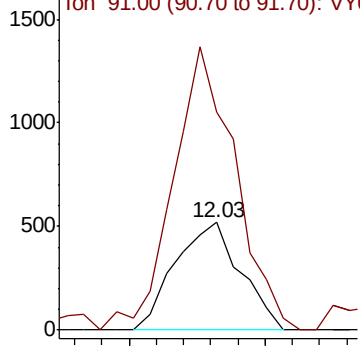
#55
o-xylene
Concen: 0.185 ug/L
RT: 12.03 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VY003740.D
Acq: 11 Dec 2020 20:14

Instrument :
MSVOA_Y
ClientSampleId :
C0AE0

Tot Ion:106 Resp: 865
Ion Ratio Lower Upper
106 100
91 201.9 141.7 263.3

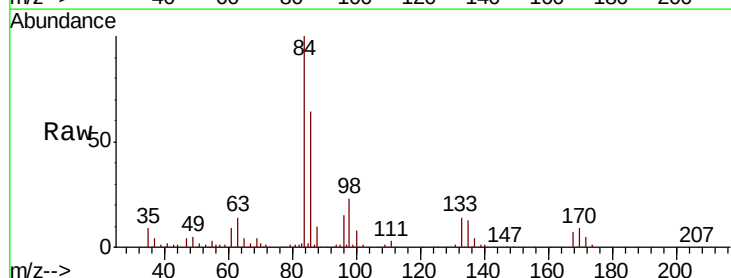


Abundance Ion 106.00 (105.70 to 106.70): VY003691.D (-1668) (-)
Ion 91.00 (90.70 to 91.70): VY003691.D (-1668) (-)

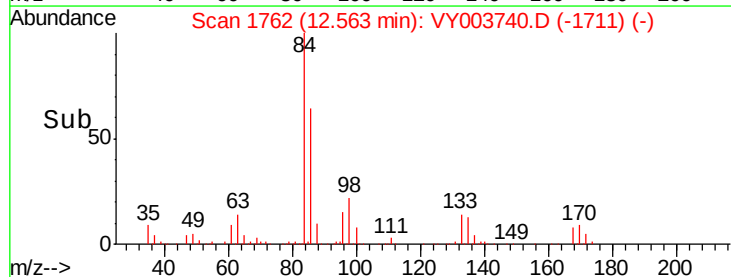
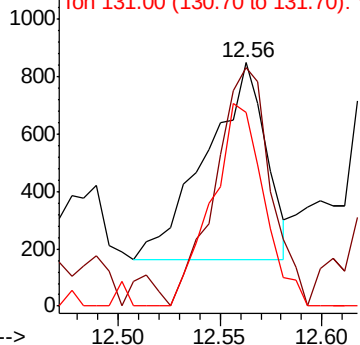


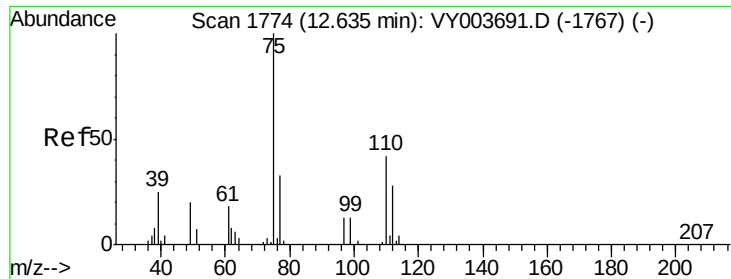
#58
1,1,2,2-Tetrachloroethane
Concen: 0.552 ug/L
RT: 12.56 min Scan# 1762
Delta R.T. -0.02 min
Lab File: VY003740.D
Acq: 11 Dec 2020 20:14

Tgt Ion: 83 Resp: 1402
Ion Ratio Lower Upper
83 100
85 97.9 47.2 87.6#
131 79.7 8.4 12.6#



Abundance Ion 83.00 (82.70 to 83.70): VY003691.D (-1758) (-)
Ion 85.00 (84.70 to 85.70): VY003691.D (-1758) (-)
Ion 131.00 (130.70 to 131.70): VY003691.D (-1758) (-)





#59

1,2,3-Trichloropropane

Concen: 2.490 ug/L

RT: 13.42 min Scan# 1903

Delta R.T. 0.79 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

Instrument :

MSVOA_Y

ClientSampleId :

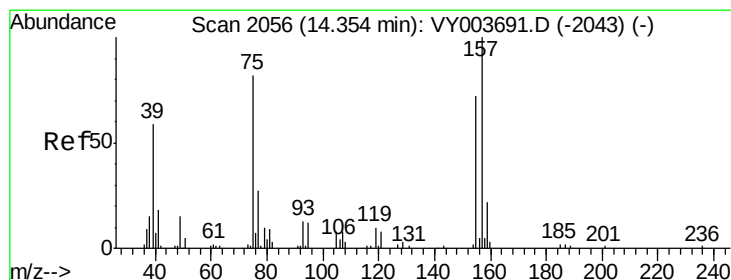
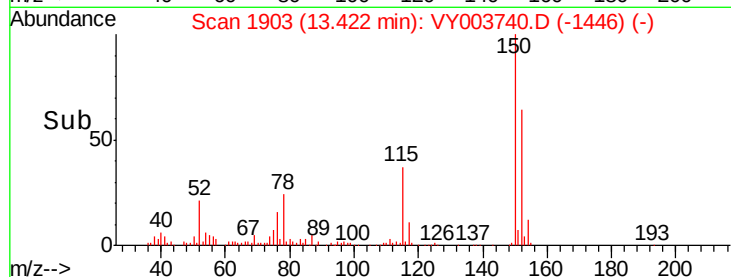
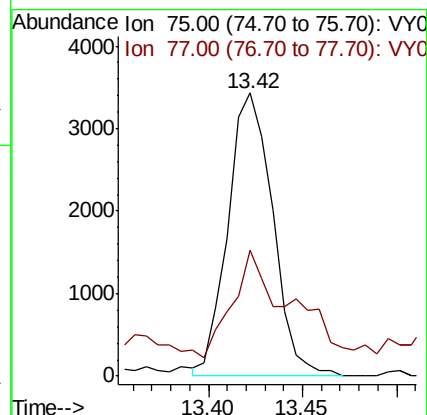
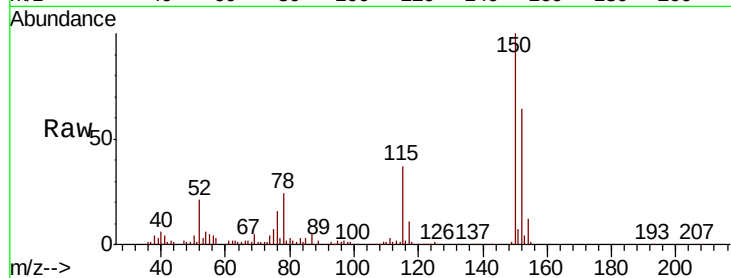
C0AE0

Tot Ion: 75 Resp: 5656

Ion Ratio Lower Upper

75 100

77 33.5 25.9 38.9



#66

1,2-Dibromo-3-chloropropane

Concen: 8.227 ug/L

RT: 14.33 min Scan# 2052

Delta R.T. -0.02 min

Lab File: VY003740.D

Acq: 11 Dec 2020 20:14

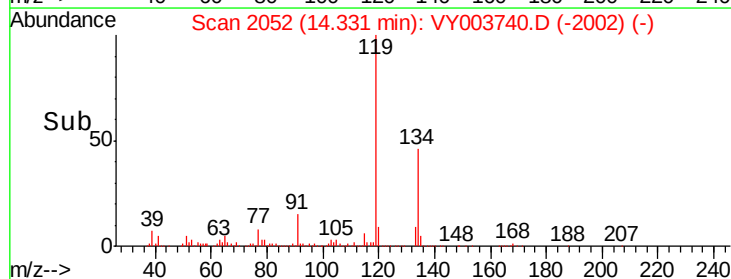
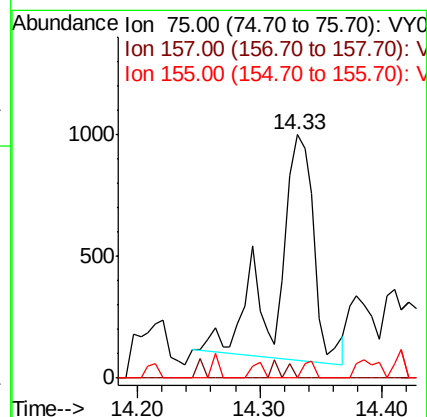
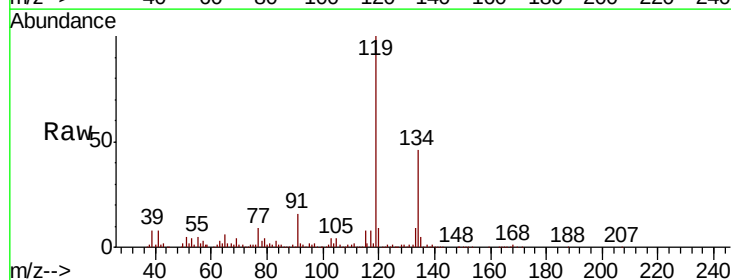
Tgt Ion: 75 Resp: 1915

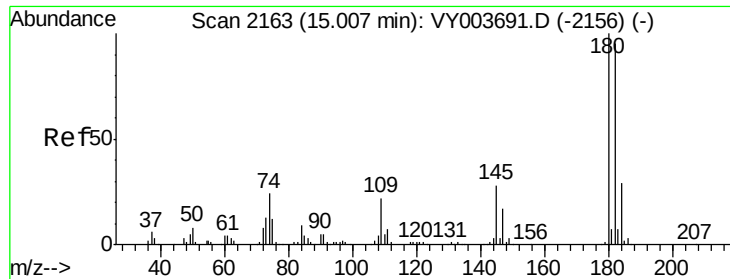
Ion Ratio Lower Upper

75 100

157 0.0 101.3 151.9#

155 0.0 76.2 114.4#

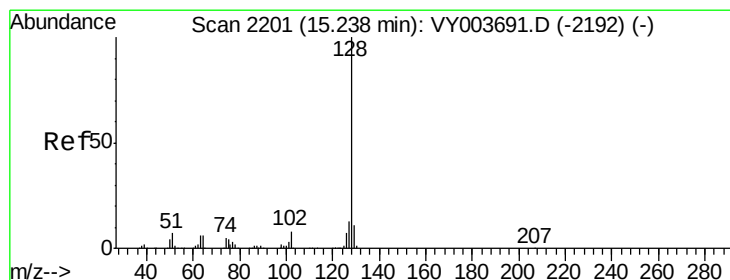
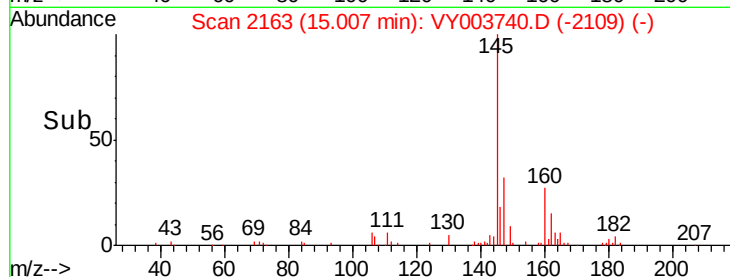
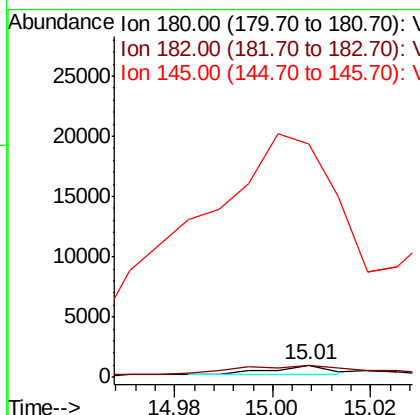
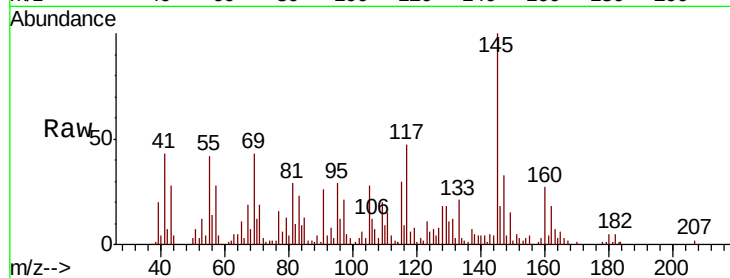




#68
 1,2,4-trichlorobenzene
 Concen: 0.377 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VY003740.D
 Acq: 11 Dec 2020 20:14

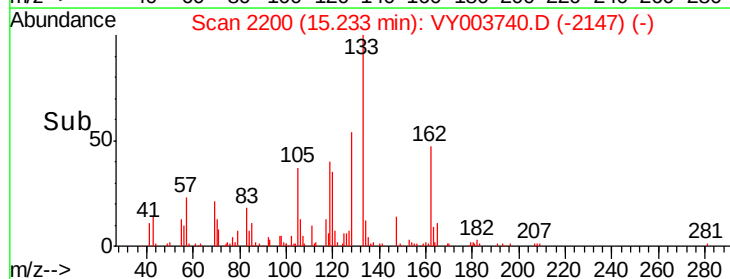
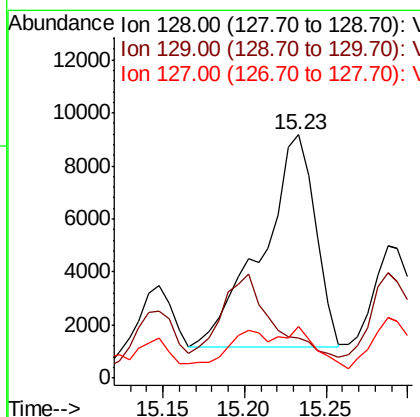
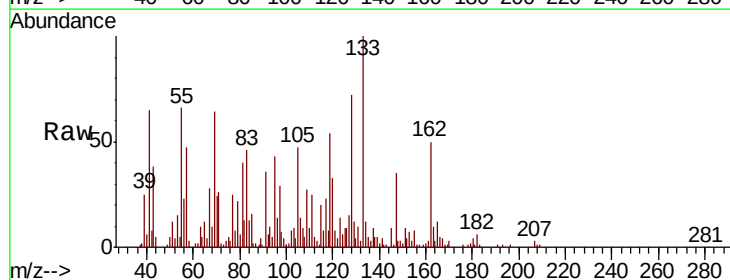
Instrument :
 MSVOA_Y
 ClientSampled :
 C0AE0

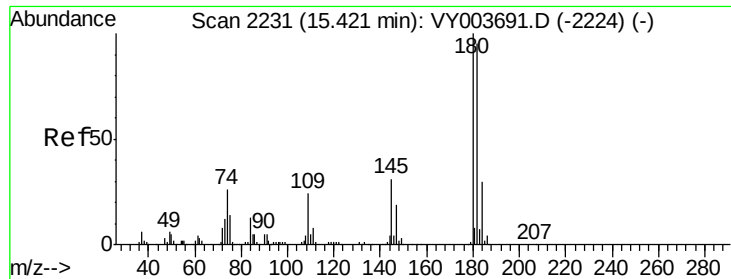
Tot Ion:180 Resp: 619
 Ion Ratio Lower Upper
 180 100
 182 259.3 76.5 114.7#
 145 6541.2 22.2 33.4#



#69
 Naphthalene
 Concen: 5.259 ug/L
 RT: 15.23 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: VY003740.D
 Acq: 11 Dec 2020 20:14

Tgt Ion:128 Resp: 18118
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.7 13.1#
 127 8.2 10.2 15.4#

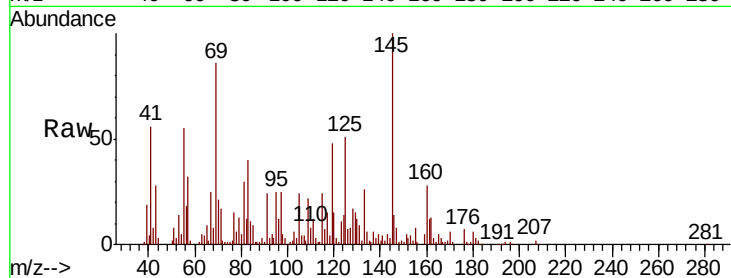




#70
 1,2,3-Trichlorobenzene
 Concen: 0.486 ug/L
 RT: 15.43 min Scan# 2233
 Delta R.T. 0.01 min
 Lab File: VY003740.D
 Acq: 11 Dec 2020 20:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AE0

Tot Ion:180 Resp: 729
 Ion Ratio Lower Upper
 180 100
 182 83.8 76.9 115.3
 145 6844.6 24.2 36.4#



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

