

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035961.D
 Acq On : 17 Nov 2020 2:29
 Operator : SY/AP
 Sample : L4722-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-7DL

Manual Integrations
 APPROVED

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 11/18/2020 9:08:29 AM

Quant Time: Nov 17 12:59:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1174403	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4044904	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3876241	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2881270	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	8181	0.058	ppbv #	79
4) Chloromethane	3.15	50	4456	0.065	ppbv #	82
9) Propene	3.02	41	7975	0.155	ppbv	97
13) Ethanol	3.62	45	23124m	2.071	ppbv	
15) Acetone	3.86	43	116388	0.927	ppbv #	78
20) Methylene Chloride	4.35	84	40807m	0.462	ppbv	
23) Vinyl Acetate	5.07	43	17927	0.102	ppbv #	90
26) Hexane	5.68	57	24787	0.182	ppbv #	44
53) Toluene	9.81	91	24336	0.067	ppbv	99

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

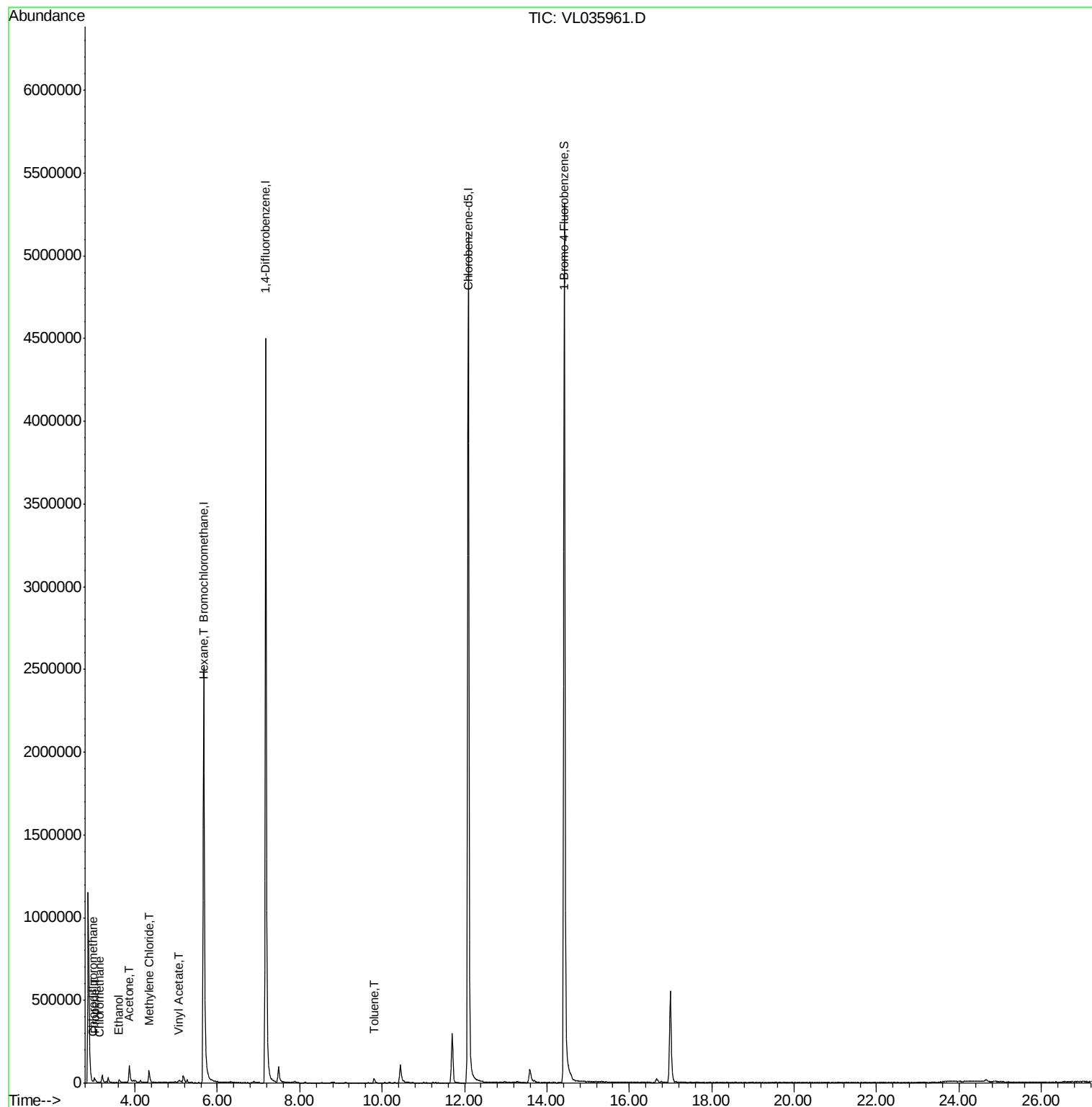
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Data File : VL035961.D
Acq On : 17 Nov 2020 2:29
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MSVOA_L
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SR-7DL

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Quant Time: Nov 17 12:59:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

Instrument :

MSVOA_L

ClientSampleId :

SR-7DL

Tot Ion: 49 Resp: 1174403

Ion Ratio Lower Upper

49 100

128 75.9 41.5 124.6

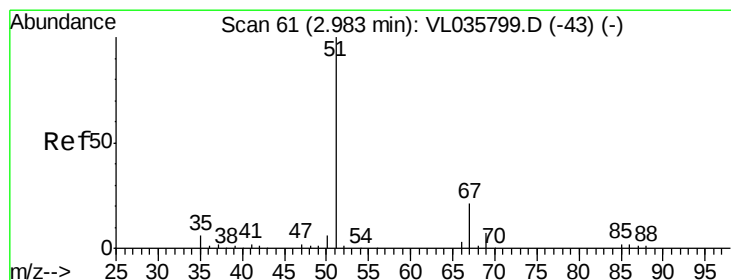
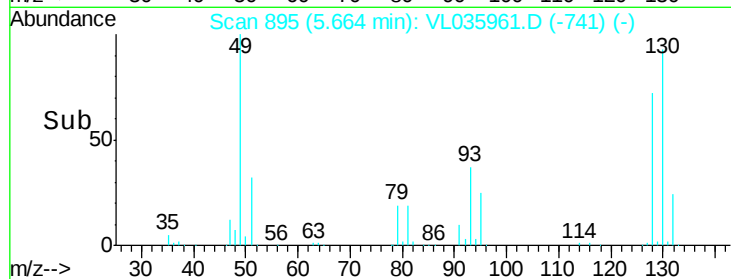
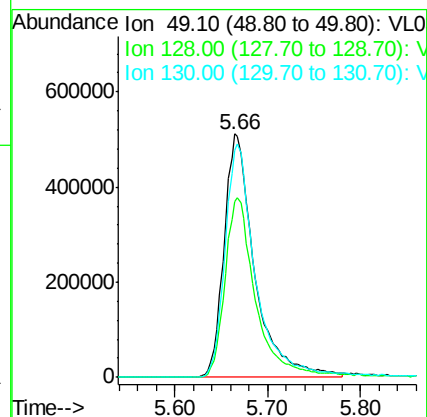
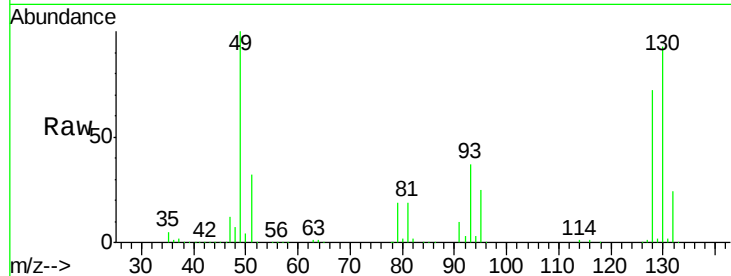
130 97.6 53.7 161.1

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#3

Chlorodifluoromethane

Concen: 0.058 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035961.D

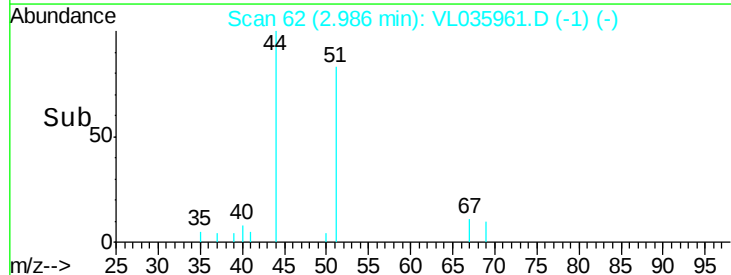
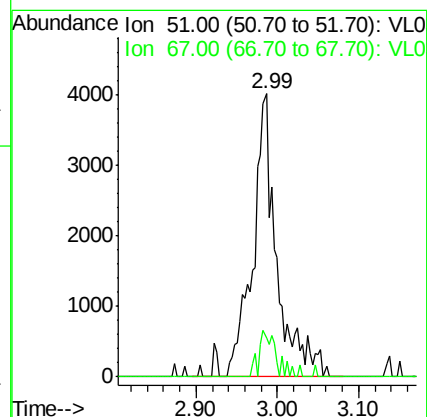
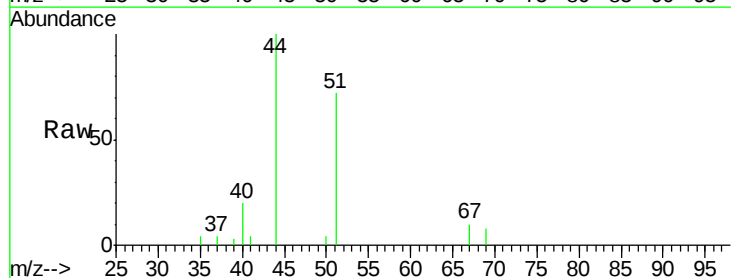
Acq: 17 Nov 2020 2:29

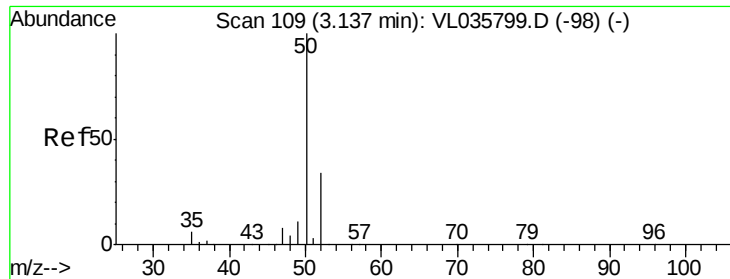
Tgt Ion: 51 Resp: 8181

Ion Ratio Lower Upper

51 100

67 11.3 17.0 25.4#





#4

Chloromethane

Concen: 0.065 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

Instrument :

MSVOA_L

ClientSampled :

SR-7DL

Tot Ion: 50 Resp: 4456

Ion Ratio Lower Upper

50 100

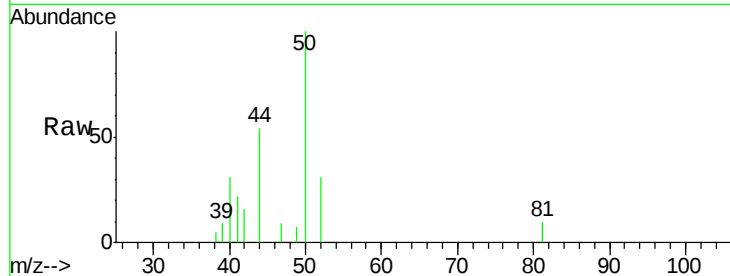
52 23.5 27.1 40.7#

Manual Integrations

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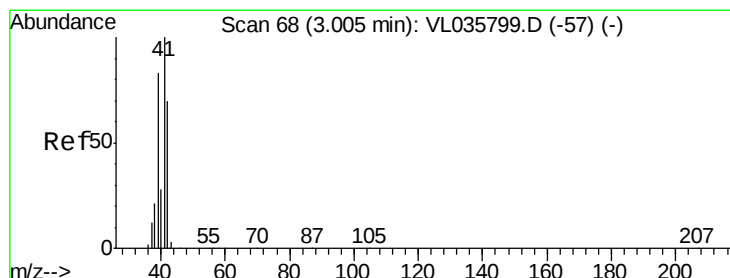
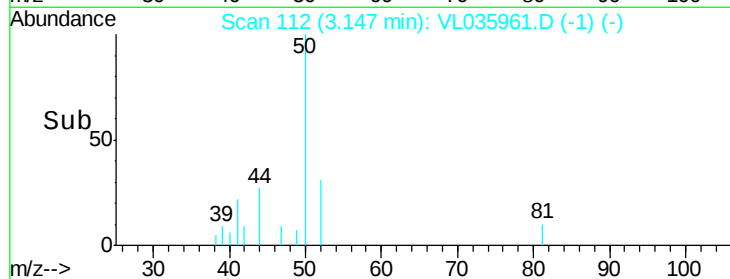
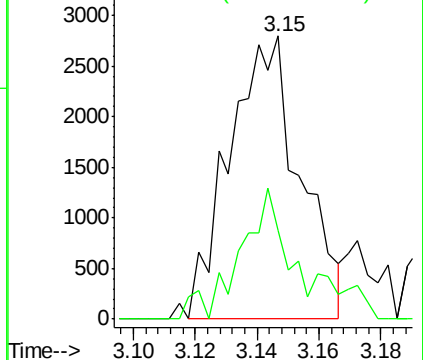
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Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.155 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL035961.D

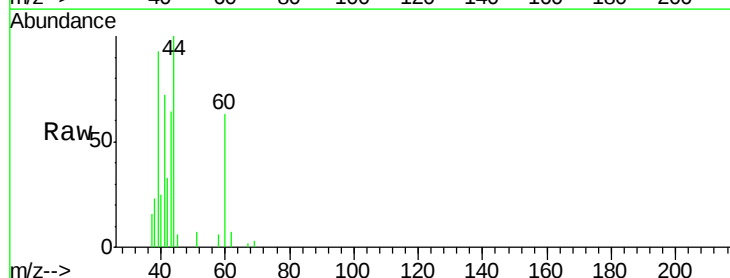
Acq: 17 Nov 2020 2:29

Tgt Ion: 41 Resp: 7975

Ion Ratio Lower Upper

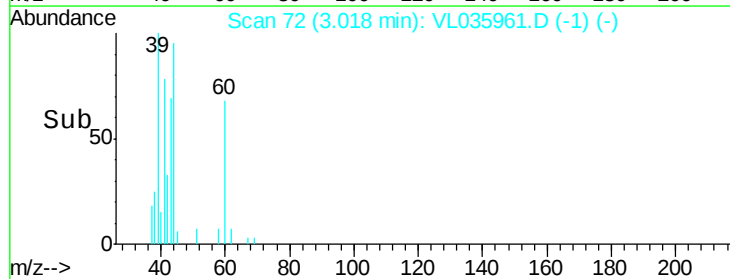
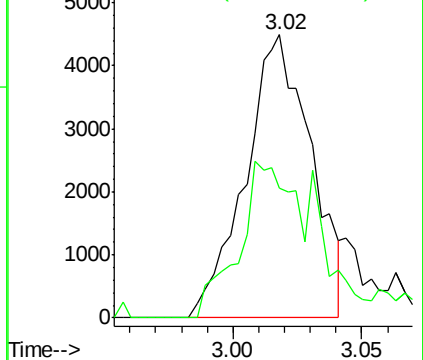
41 100

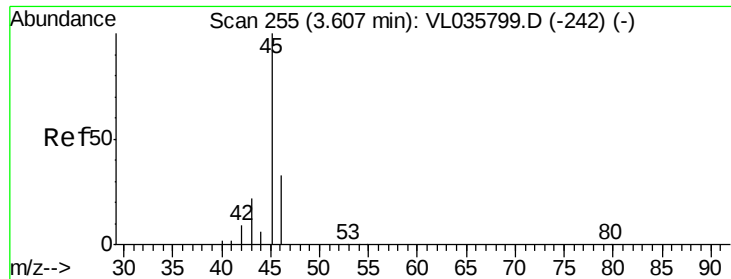
42 72.5 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 2.071 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

Instrument :

MSVOA_L

ClientSampleId :

SR-7DL

Tot Ion: 45 Resp: 23124

Ion Ratio Lower Upper

45 100

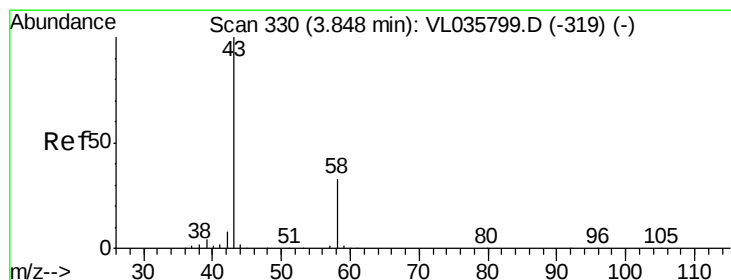
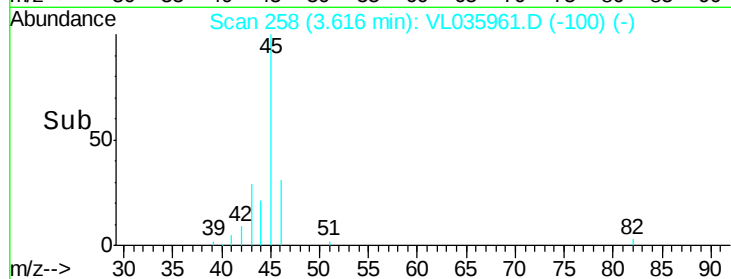
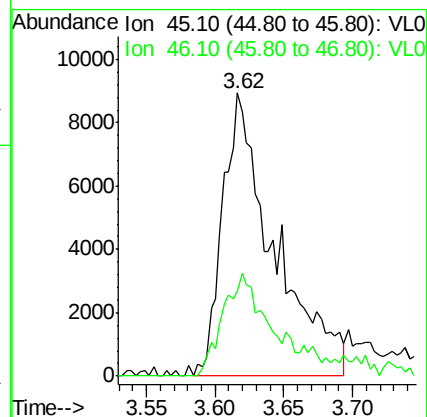
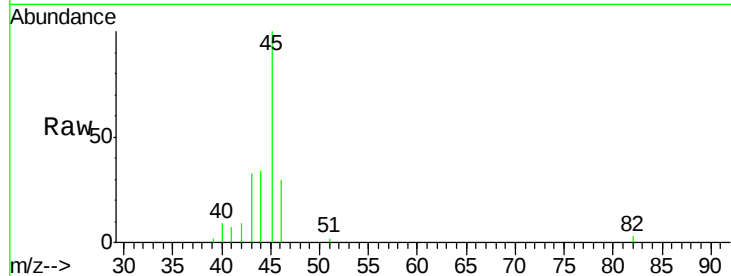
46 42.2 16.1 64.5

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#15

Acetone

Concen: 0.927 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL035961.D

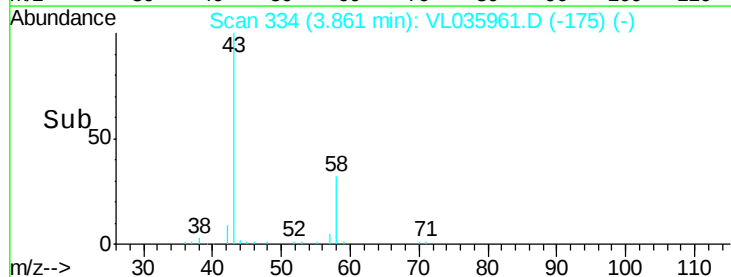
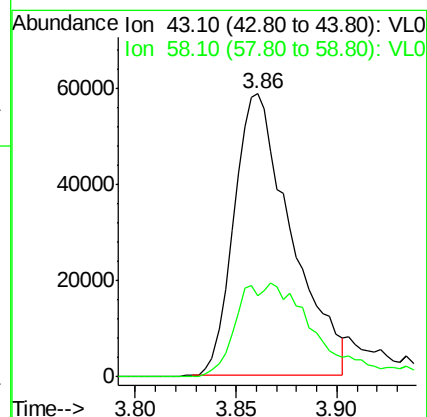
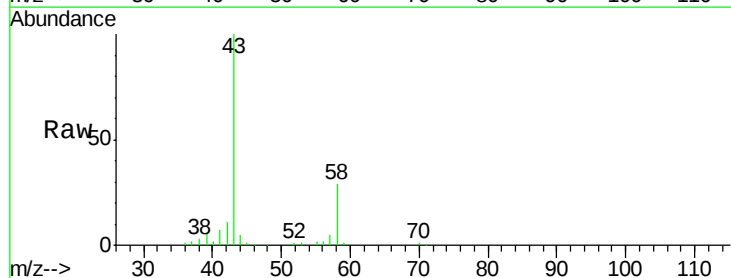
Acq: 17 Nov 2020 2:29

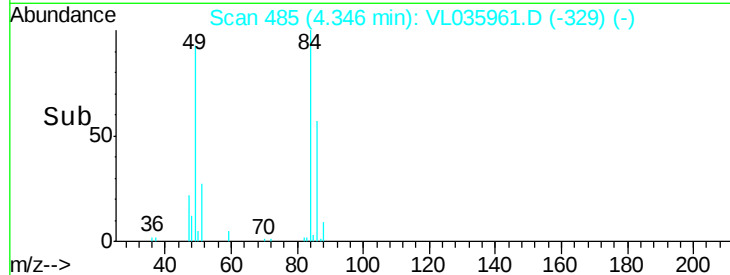
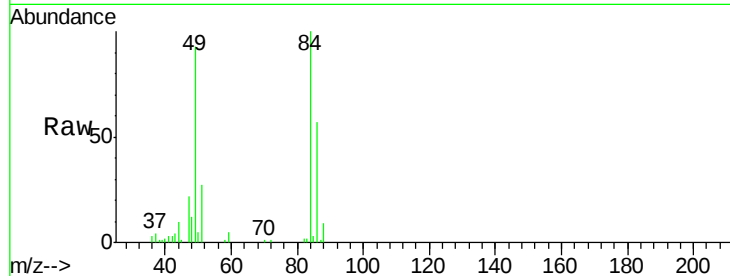
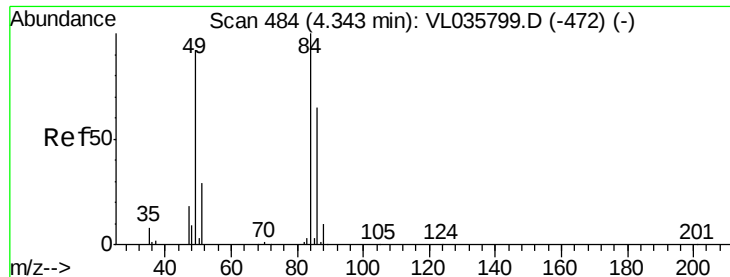
Tgt Ion: 43 Resp: 116388

Ion Ratio Lower Upper

43 100

58 47.3 27.5 41.3#





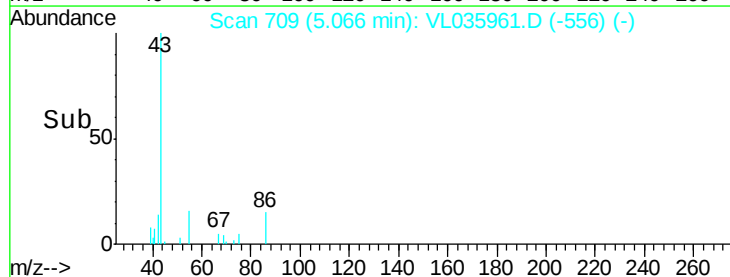
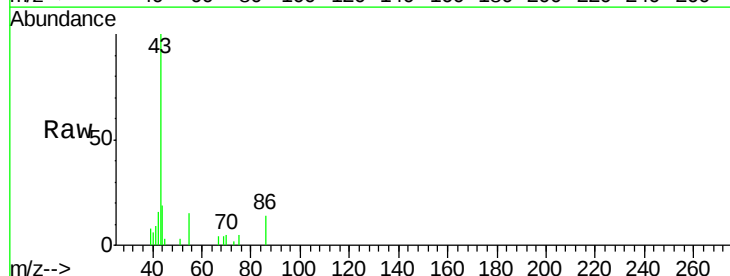
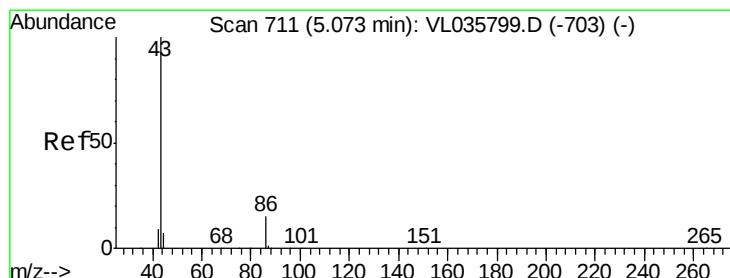
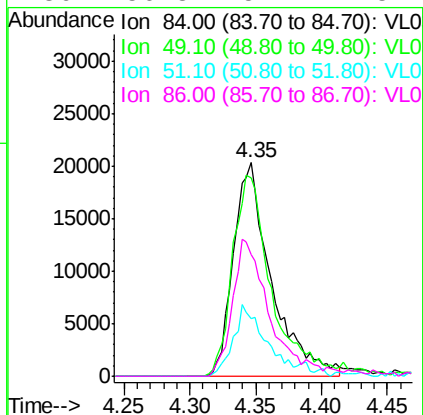
#20
Methvlene Chloride
Concen: 0.462 ppbv m
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035961.D
Acq: 17 Nov 2020 2:29

Tot Ion	84	Resp	40807
Ion	Ratio	Lower	Upper
84	100		
49	92.7	73.8	110.8
51	27.1	23.0	34.4
86	56.8	52.1	78.1

Instrument :
MSVOA_L
ClientSampleId :
SR-7DL

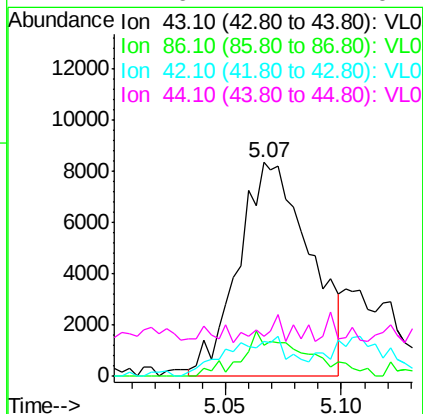
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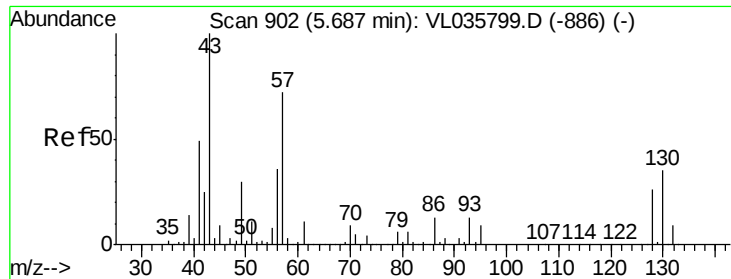
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#23
Vinyl Acetate
Concen: 0.102 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL035961.D
Acq: 17 Nov 2020 2:29

Tgt Ion	43	Resp	17927
Ion	Ratio	Lower	Upper
43	100		
86	14.9	9.8	14.6#
42	14.7	8.1	12.1#
44	1.6	4.2	6.4#





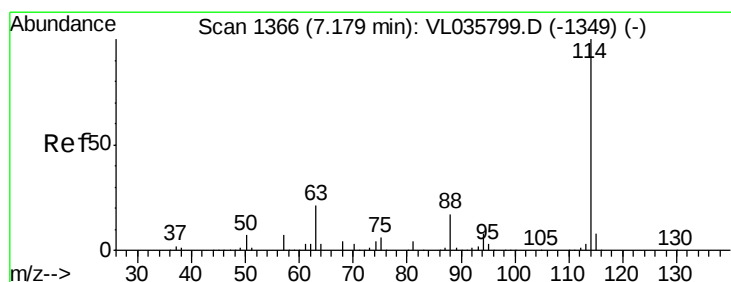
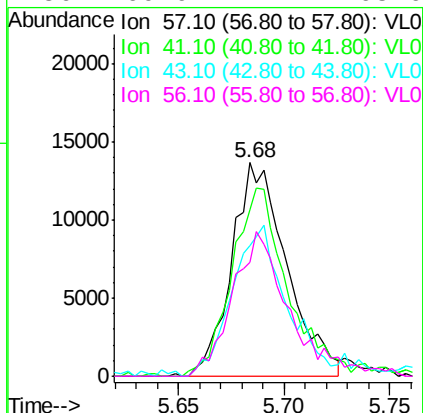
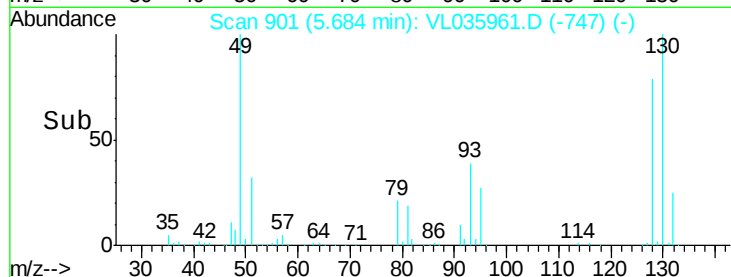
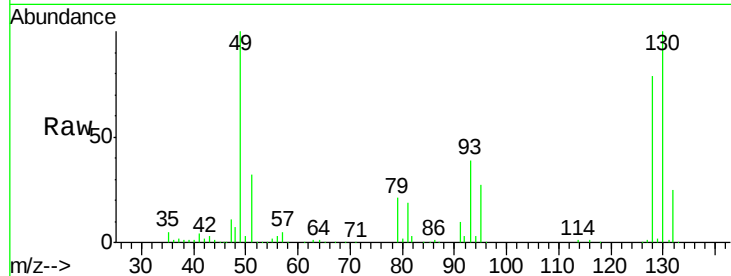
#26
Hexane
Concen: 0.182 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035961.D
Acq: 17 Nov 2020 2:29

Instrument :
MSVOA_L
ClientSampleId :
SR-7DL

Tot Ion: 57 Resp: 24787
Ion Ratio Lower Upper
57 100
41 94.1 58.9 88.3#
43 75.8 150.2 225.2#
56 69.9 42.4 63.6#

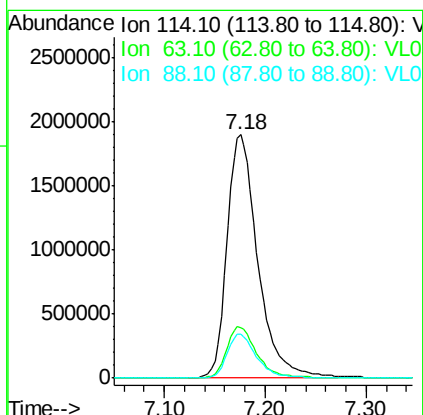
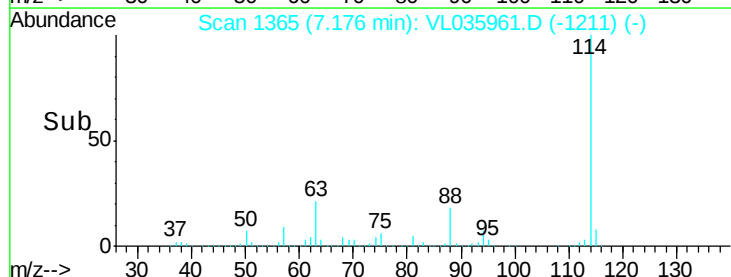
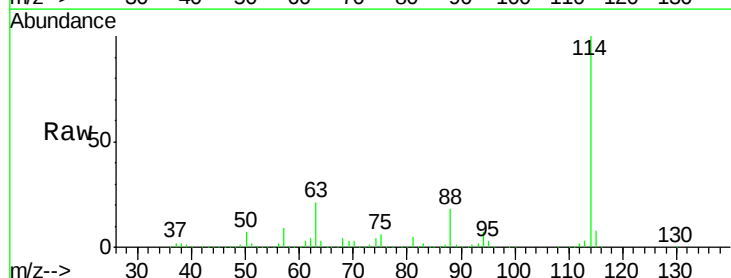
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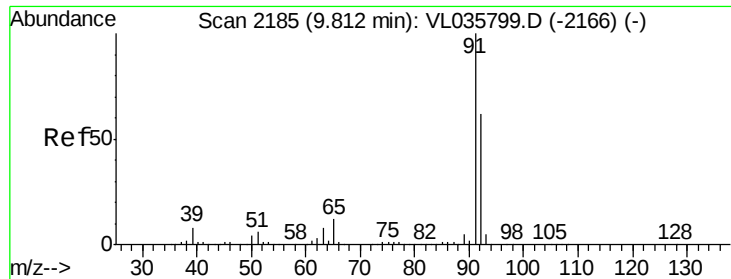
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035961.D
Acq: 17 Nov 2020 2:29

Tgt Ion: 114 Resp: 4044904
Ion Ratio Lower Upper
114 100
63 21.0 16.1 24.1
88 17.6 13.7 20.5





#53

Toluene

Concen: 0.067 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

Instrument :

MSVOA_L

ClientSampleId :

SR-7DL

Tot Ion: 91 Resp: 24336

Ion Ratio Lower Upper

91 100

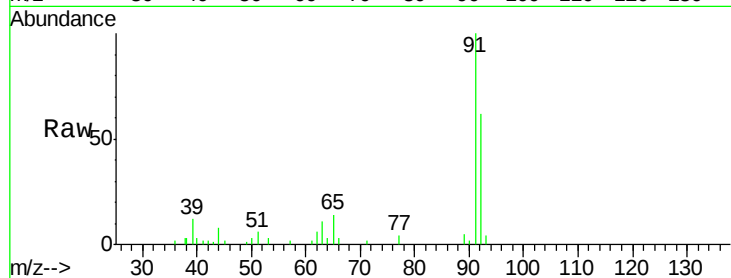
92 63.3 49.8 74.6

Manual Integrations

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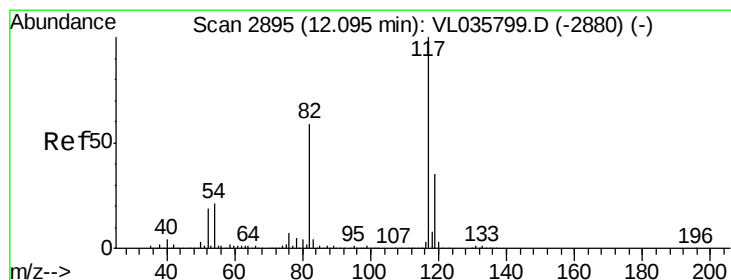
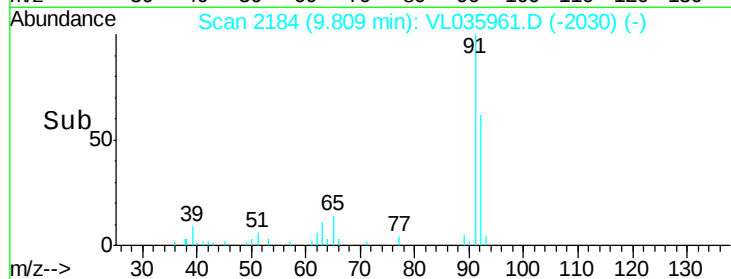
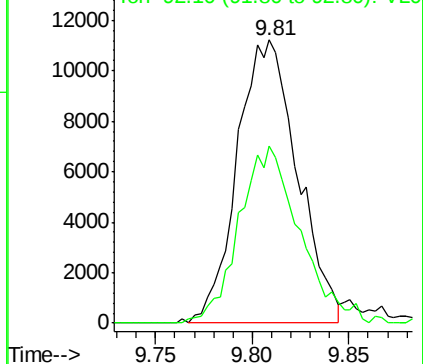
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

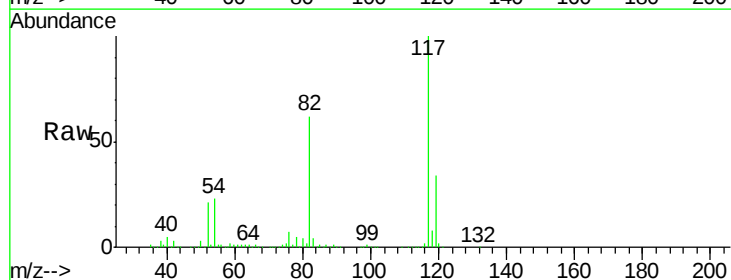
Tgt Ion: 117 Resp: 3876241

Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

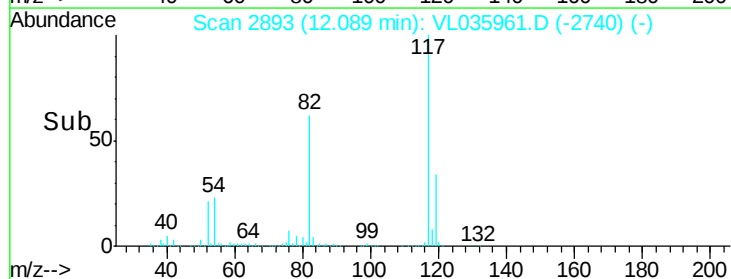
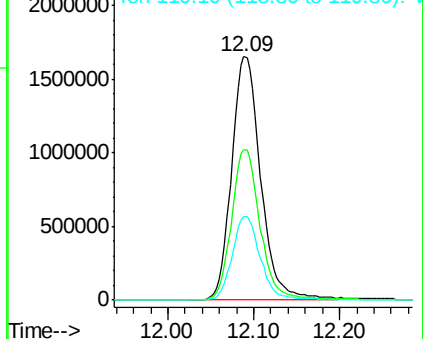
119 34.3 52.6 78.8#

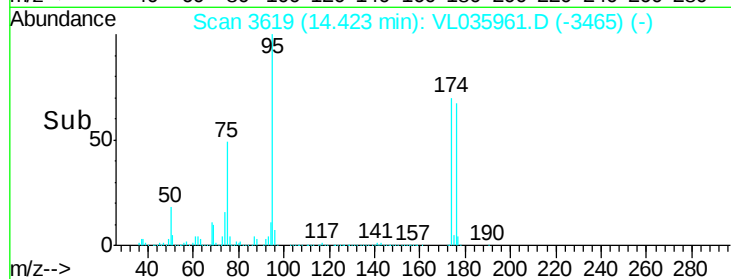
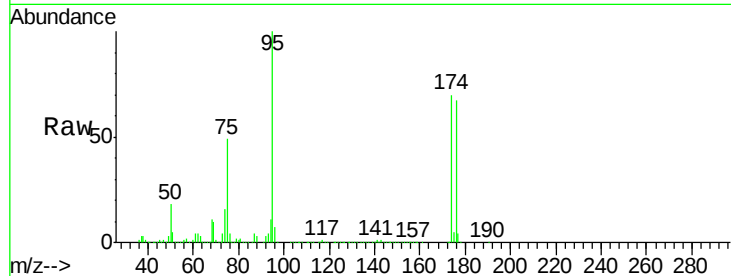
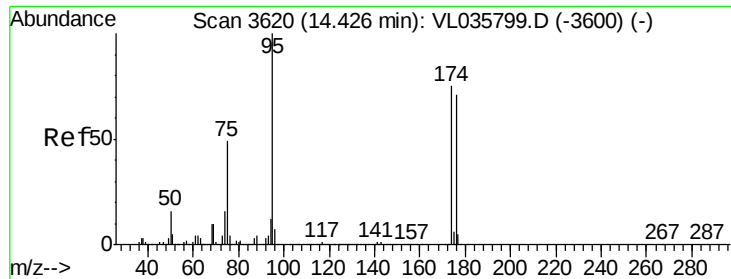


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.462 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL035961.D

Acq: 17 Nov 2020 2:29

Instrument :

MSVOA_L

ClientSampleId :

SR-7DL

Tot Ion: 95 Resp: 2881270

Ion Ratio Lower Upper

95 100

174 70.9 59.8 89.6

175 5.0 4.3 6.5

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