

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036634.D
 Acq On : 1 Apr 2021 16:06
 Operator : SY/AP
 Sample : M1834-01DL 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
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MMDadoda
 4/2/2021 6:55:08 PM

Quant Time: Apr 02 03:00:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1054351	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.25	114	1844983	10.00	ppbv	0.07
55) Chlorobenzene-d5	12.17	117	2305536	10.00	ppbv	0.07

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1932692	10.52	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	1725882m	27.482	ppbv	
13) Ethanol	3.61	45	13819m	1.848	ppbv	
15) Acetone	3.89	43	71868123m	692.553	ppbv	
20) Methylene Chloride	4.34	84	1099691	22.634	ppbv #	2
26) Hexane	5.82	57	53455627	466.902	ppbv #	45
28) Methyl tert-Butyl Ether	5.08	73	2319975	17.183	ppbv #	52
30) Cyclohexane	7.23	84	24815523	267.258	ppbv #	65
34) 2-Butanone	5.19	43	117231027m	1301.704	ppbv	
36) Benzene	6.98	78	32398729	190.404	ppbv #	27
44) 2,2,4-Trimethylpentane	8.05	57	128326268m	428.504	ppbv	
47) 1,1,2-Trichloroethane	9.49	97	1594950m	22.813	ppbv	
53) Toluene	9.93	91	486121m	2.683	ppbv	
58) Ethyl Benzene	12.78	91	2122703	6.328	ppbv	100
59) m/p-Xylene	13.03	91	783020m	2.676	ppbv	
60) o-Xylene	13.75	91	125293	0.443	ppbv	97
62) Isopropylbenzene	14.72	105	699597	1.836	ppbv	99
64) n-propylbenzene	15.60	120	66474	0.714	ppbv	90

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

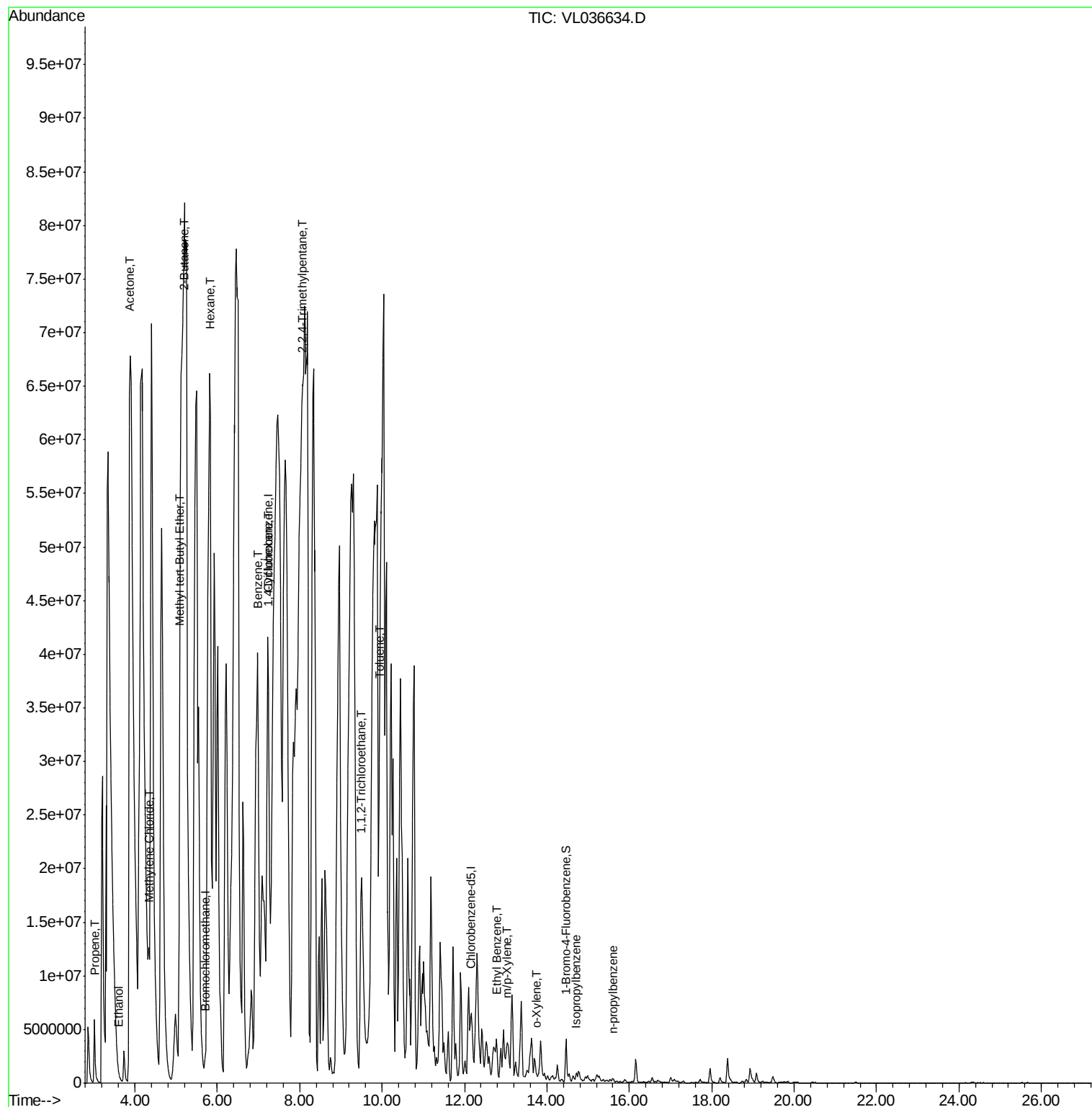
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040121\
Data File : VL036634.D
Acq On : 1 Apr 2021 16:06
Operator : SY/AP
Sample : M1834-01DL 80X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

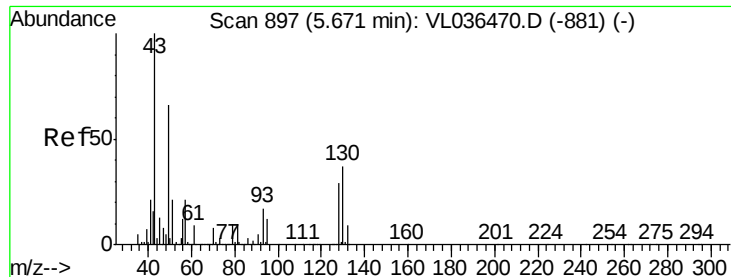
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
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Quant Time: Apr 02 03:00:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.03 min

Lab File: VL036634.D

Acq: 1 Apr 2021 16:06

Instrument :

MSVOA_L

ClientSampled :

SV1DL

Tot Ion: 49 Resp: 1054351

Ion Ratio Lower Upper

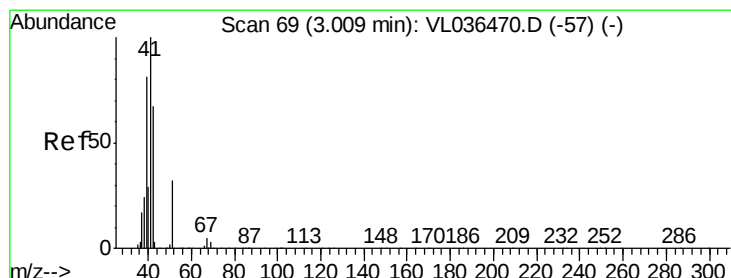
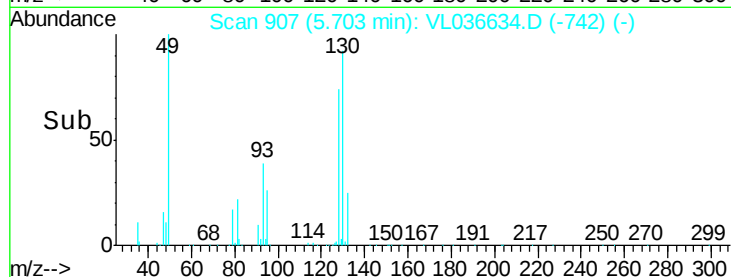
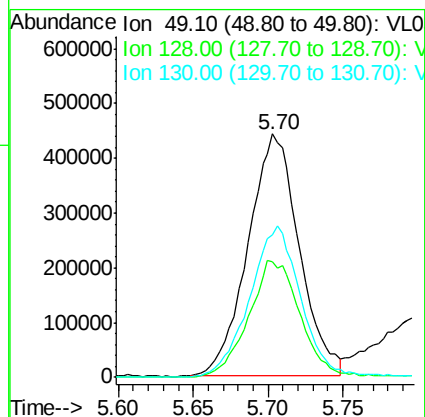
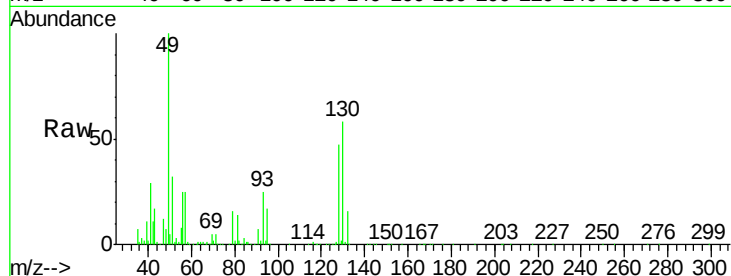
49 100

128 49.4 23.5 70.6

130 63.1 29.1 87.4

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#9

Propene

Concen: 27.482 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036634.D

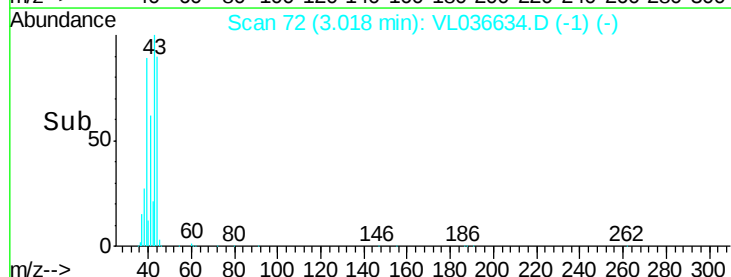
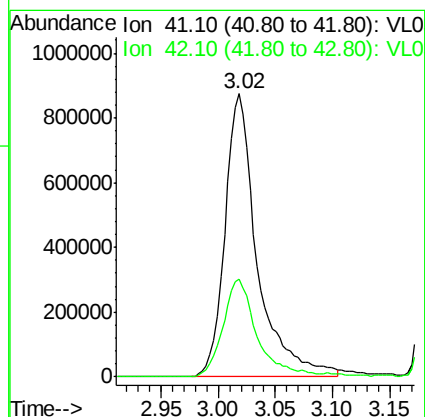
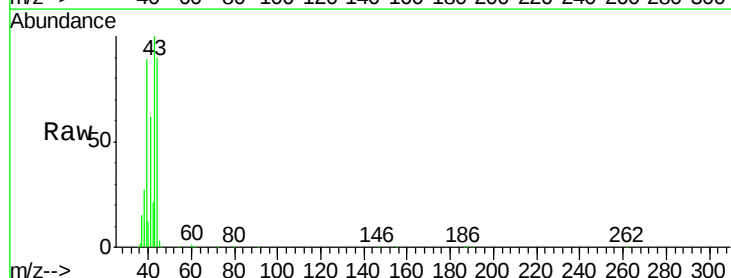
Acq: 1 Apr 2021 16:06

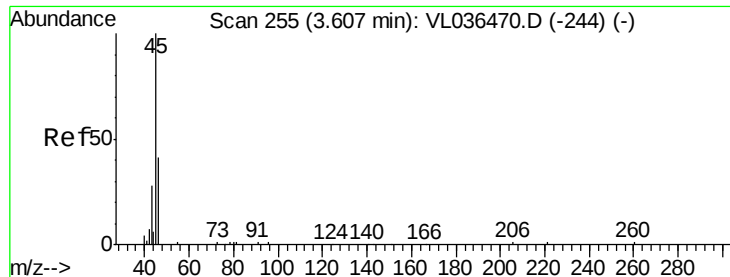
Tgt Ion: 41 Resp: 1725882

Ion Ratio Lower Upper

41 100

42 788.4 57.0 85.4#





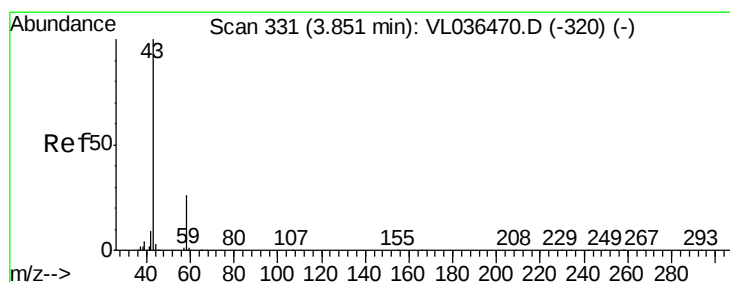
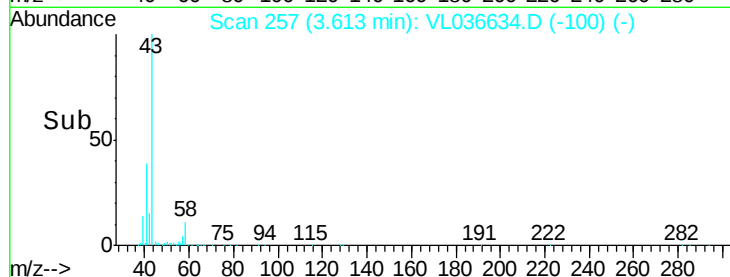
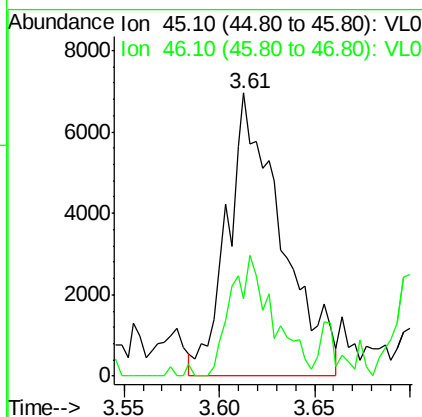
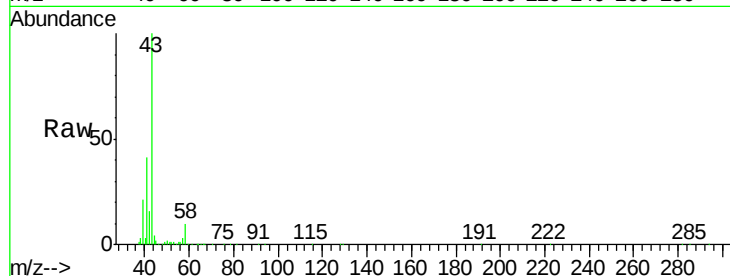
#13
Ethanol
Concen: 1.848 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion: 45 Resp: 13819
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#

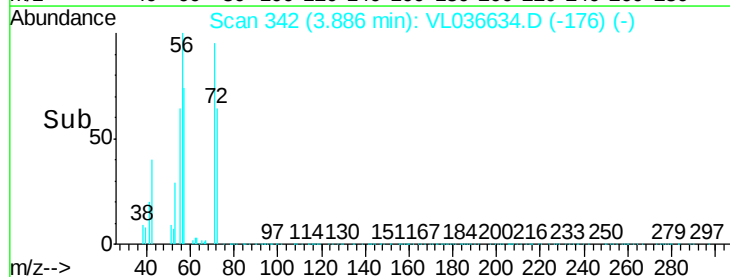
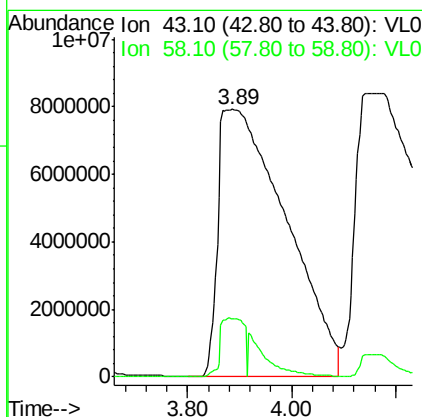
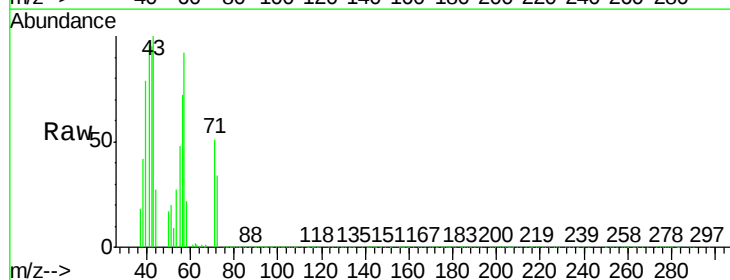
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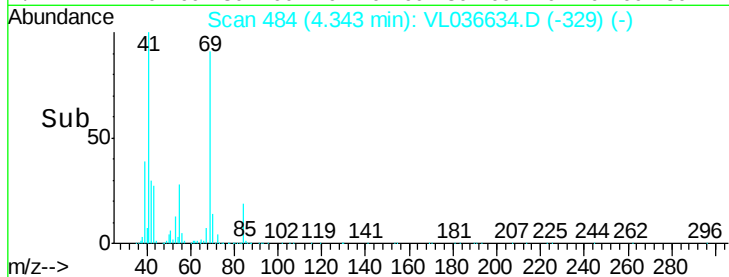
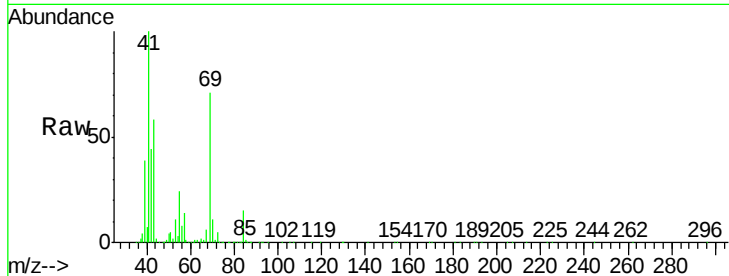
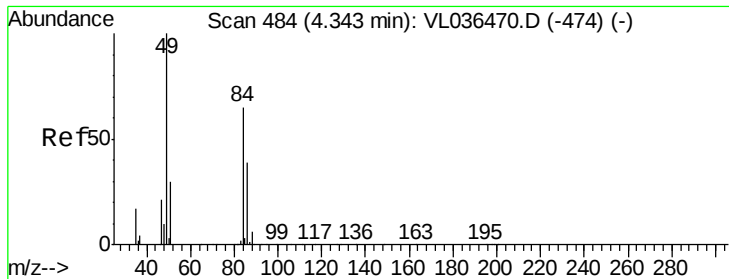
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#15
Acetone
Concen: 692.553 ppbv m
RT: 3.89 min Scan# 342
Delta R.T. 0.04 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tgt Ion: 43 Resp: 71868123
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





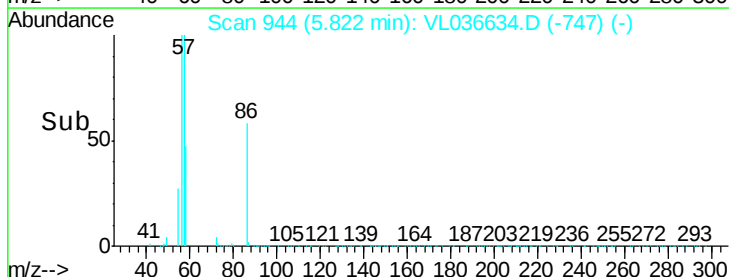
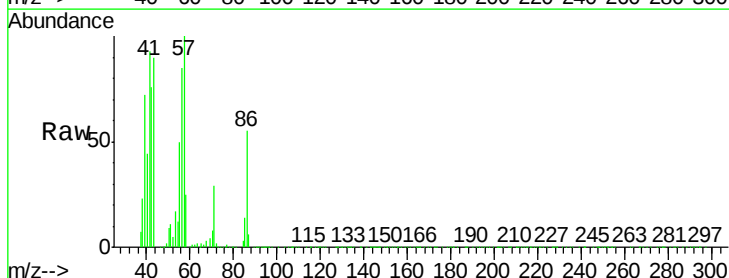
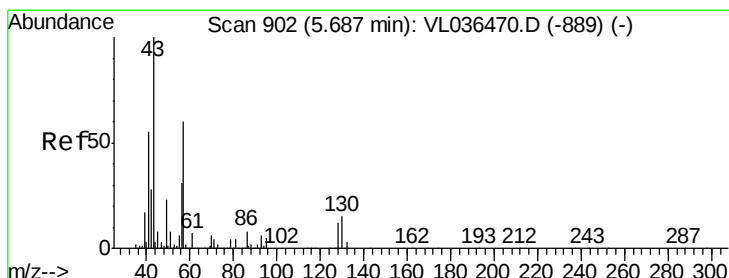
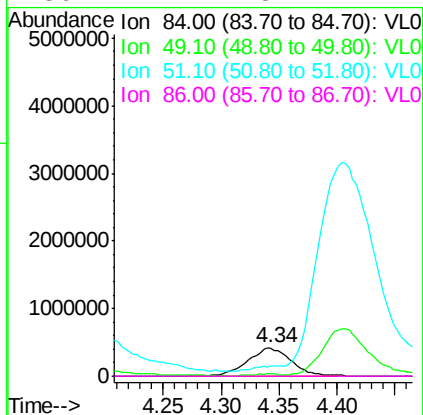
#20
Methvlene Chloride
Concen: 22.634 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tot Ion	Ratio	Lower	Upper
84	100		
49	3.8	122.9	184.3#
51	5.3	36.9	55.3#
86	1.7	48.2	72.4#

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

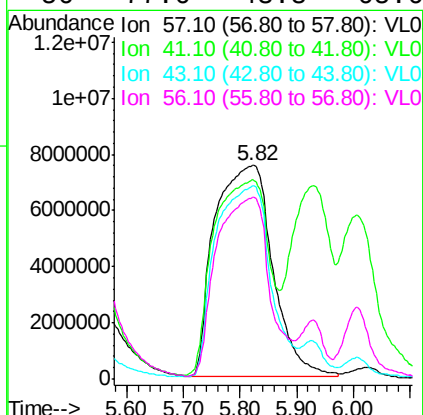
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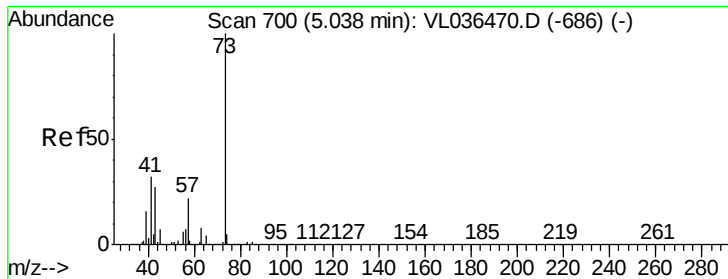
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#26
Hexane
Concen: 466.902 ppbv
RT: 5.82 min Scan# 944
Delta R.T. 0.13 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.8	77.2	115.8
43	85.9	173.8	260.6#
56	77.6	43.8	65.6#





#28

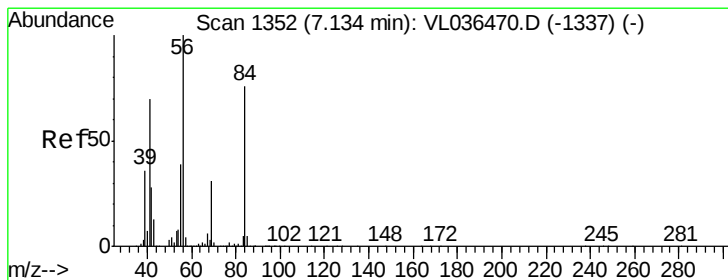
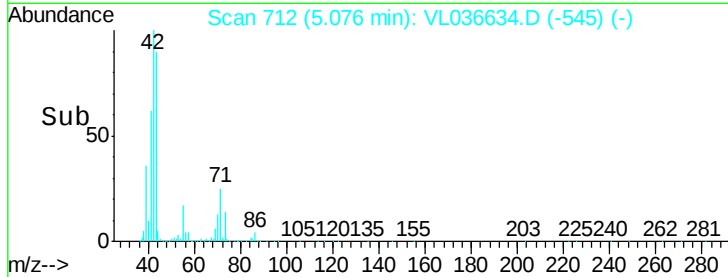
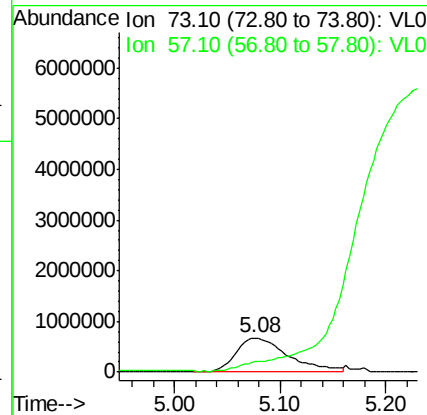
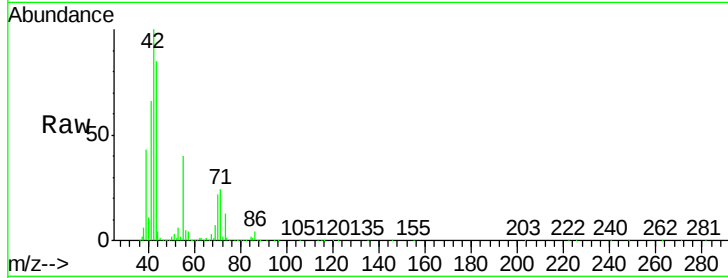
Methvl tert-Butvl Ether
 Concen: 17.183 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.04 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion: 73 Resp: 2319975
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.5 27.7#

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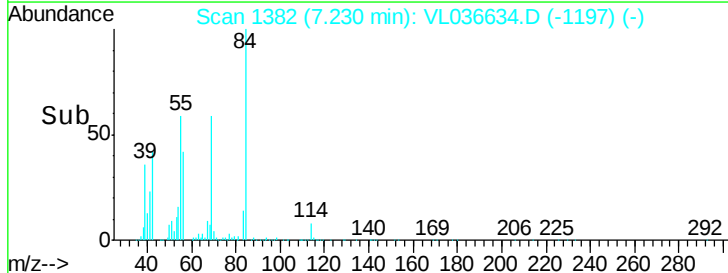
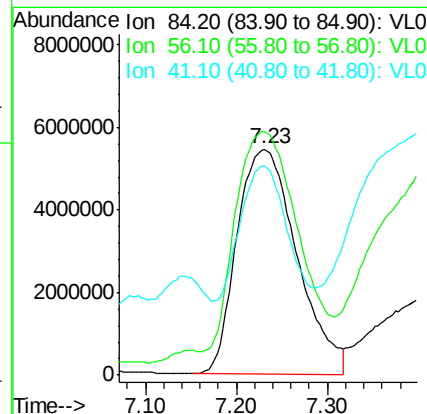
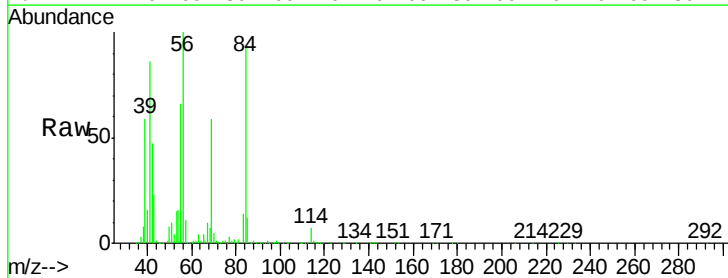
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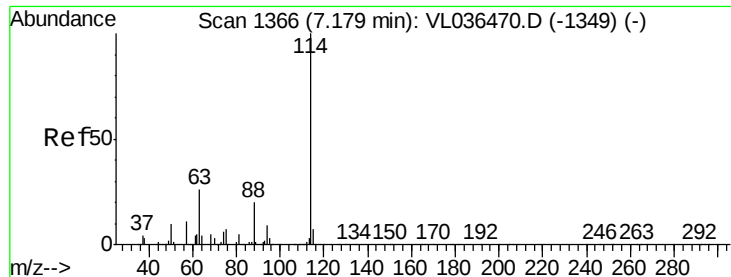


#30

Cyclohexane
 Concen: 267.258 ppbv
 RT: 7.23 min Scan# 1382
 Delta R.T. 0.10 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Tgt Ion: 84 Resp: 24815523
 Ion Ratio Lower Upper
 84 100
 56 113.0 114.6 171.8#
 41 45.7 75.3 112.9#





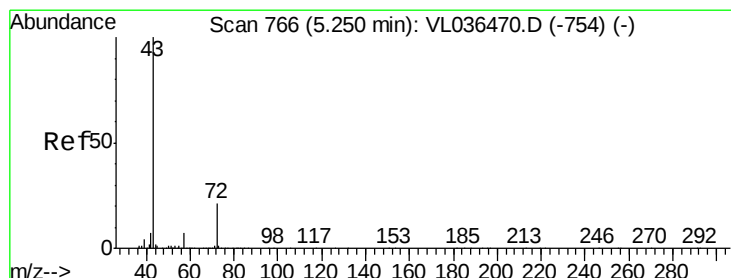
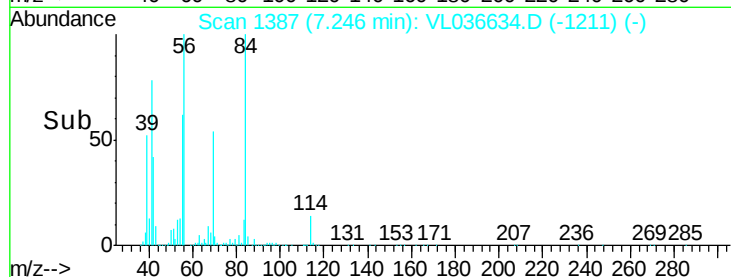
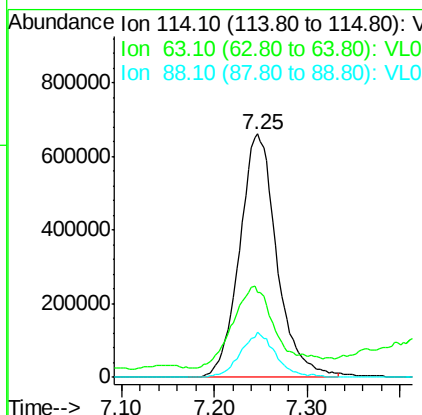
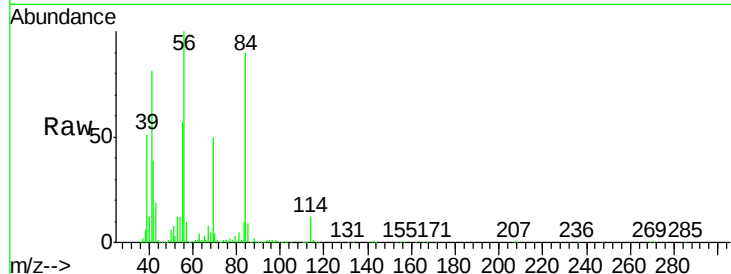
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1387
 Delta R.T. 0.07 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion:114 Resp: 1844983
 Ion Ratio Lower Upper
 114 100
 63 39.8 22.4 33.6#
 88 17.8 15.4 23.0

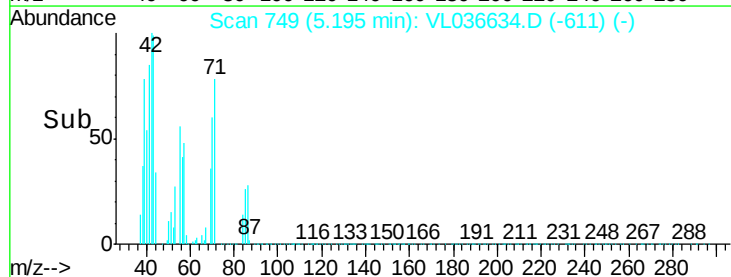
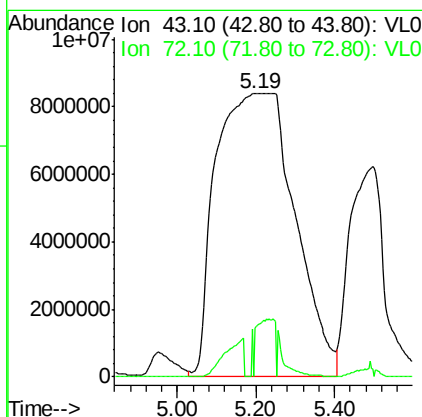
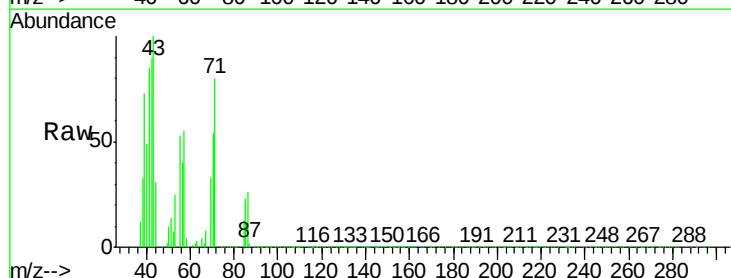
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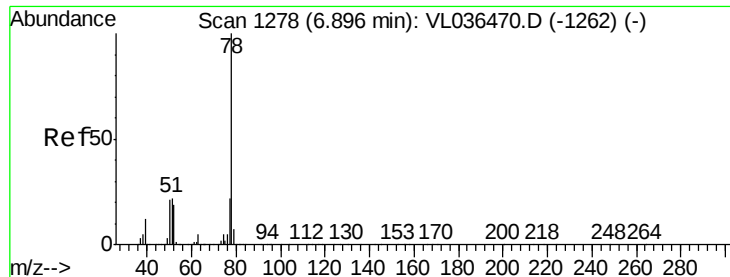
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#34
 2-Butanone
 Concen: 1301.704 ppbv m
 RT: 5.19 min Scan# 749
 Delta R.T. -0.05 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Tgt Ion: 43 Resp:117231027
 Ion Ratio Lower Upper
 43 100
 72 3.3 17.0 25.6#





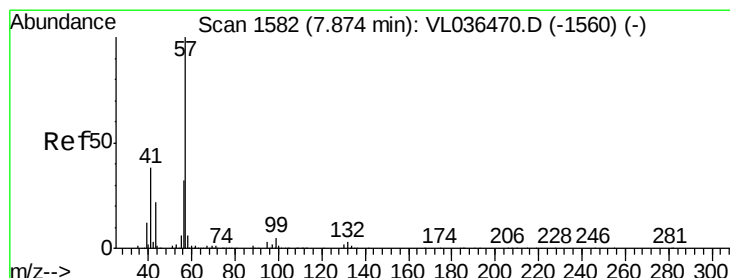
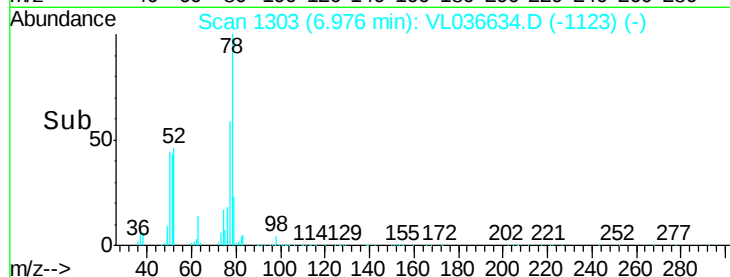
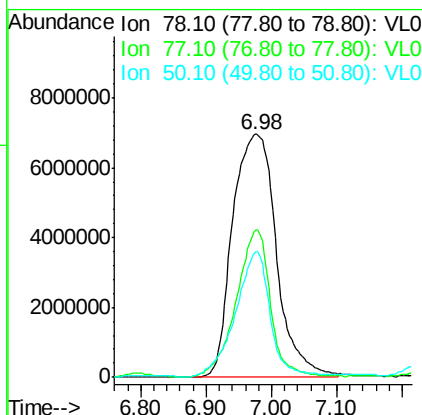
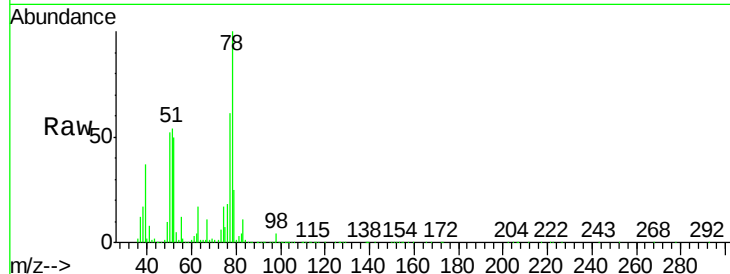
#36
Benzene
Concen: 190.404 ppbv
RT: 6.98 min Scan# 1303
Delta R.T. 0.08 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion: 78 Resp:32398729
Ion Ratio Lower Upper
78 100
77 60.5 18.0 27.0#
50 51.5 16.5 24.7#

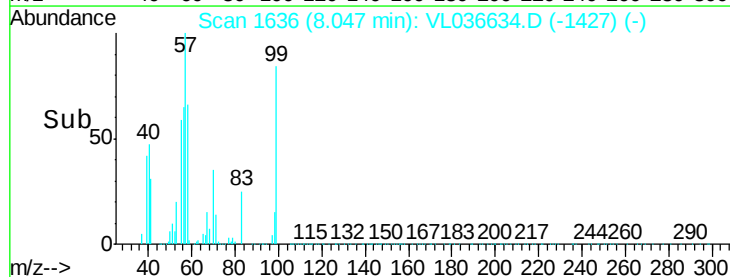
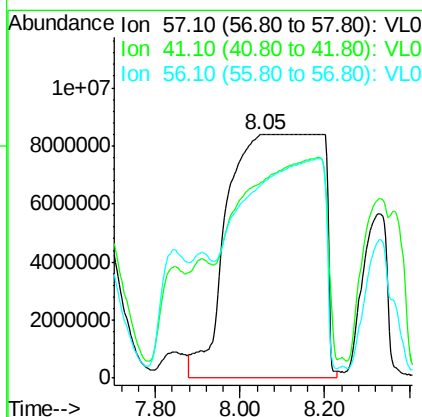
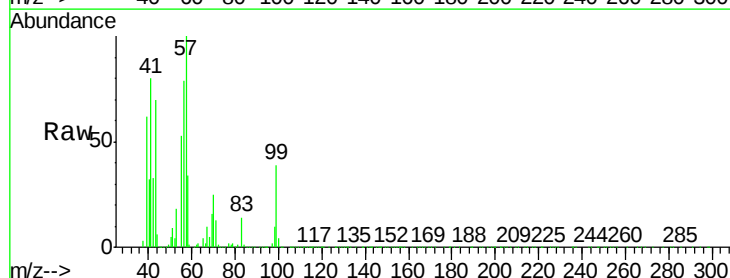
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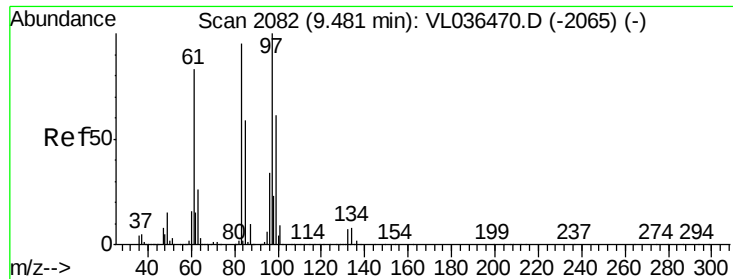
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#44
2,2,4-Trimethylpentane
Concen: 428.504 ppbv m
RT: 8.05 min Scan# 1636
Delta R.T. 0.17 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tgt Ion: 57 Resp:128326268
Ion Ratio Lower Upper
57 100
41 5.7 28.8 43.2#
56 6.4 26.1 39.1#





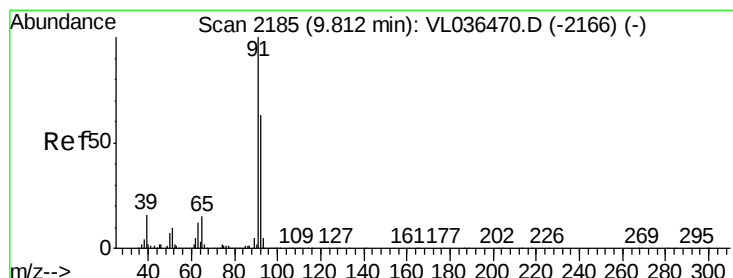
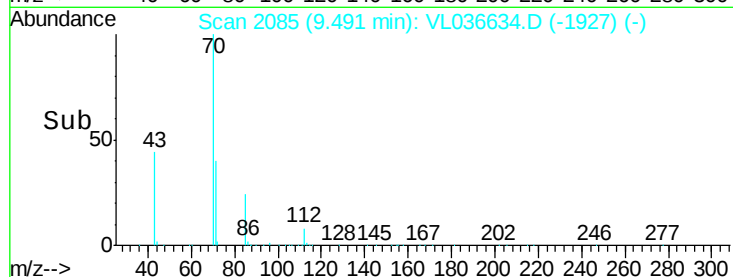
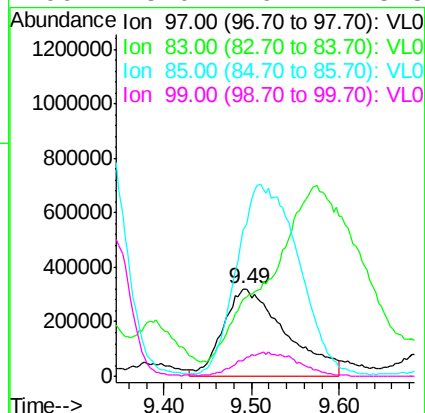
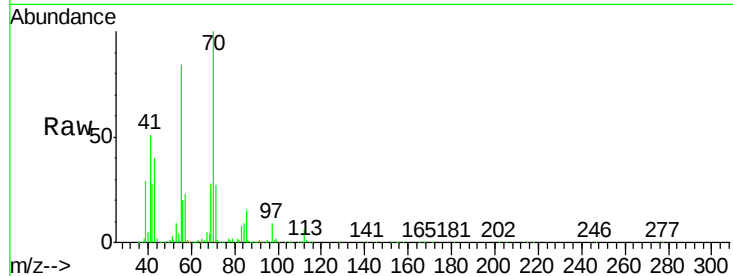
#47
 1,1,2-Trichloroethane
 Concen: 22.813 ppbv m
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.01 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.0	75.8	113.8	
85	167.0	47.1	70.7#	
99	18.0	49.2	73.8#	

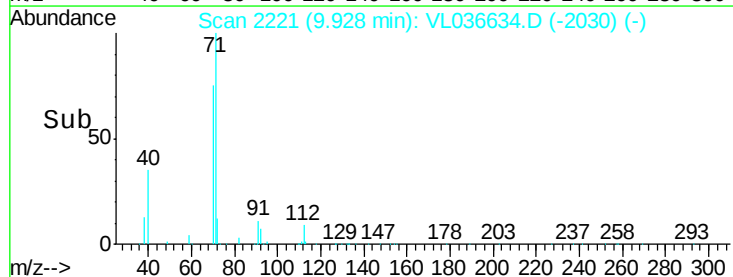
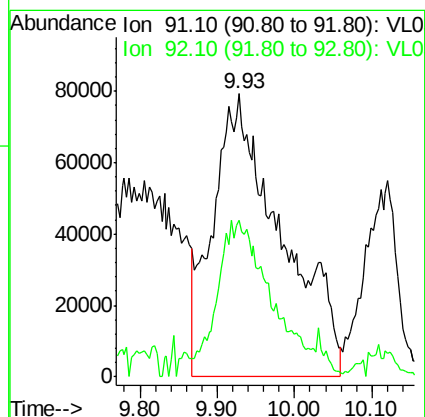
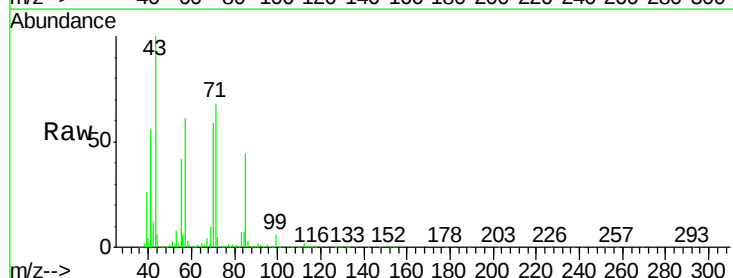
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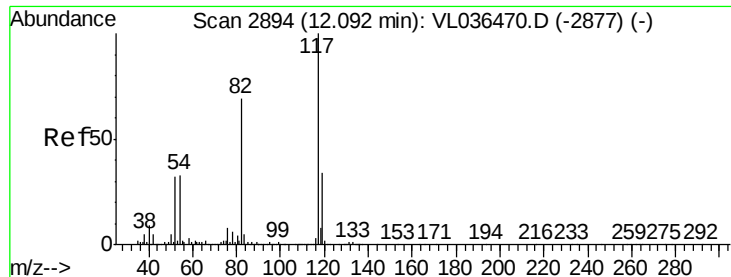
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#53
 Toluene
 Concen: 2.683 ppbv m
 RT: 9.93 min Scan# 2221
 Delta R.T. 0.12 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
92	0.0	48.8	73.2#	





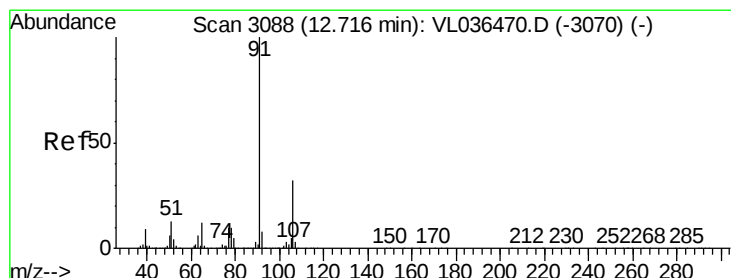
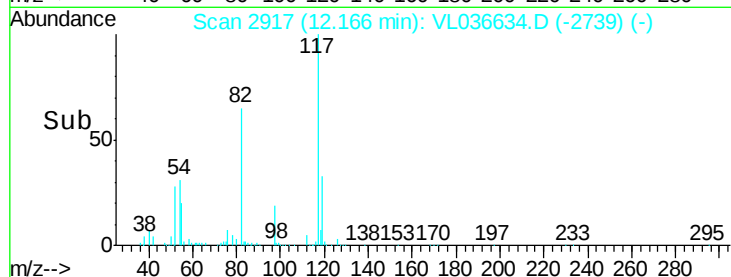
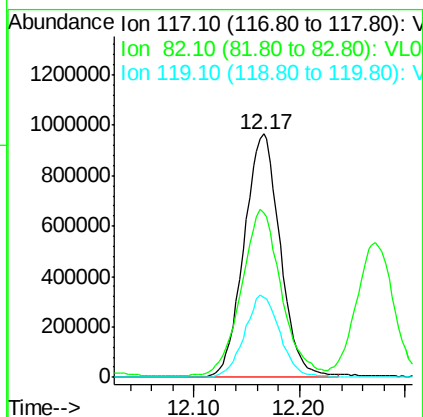
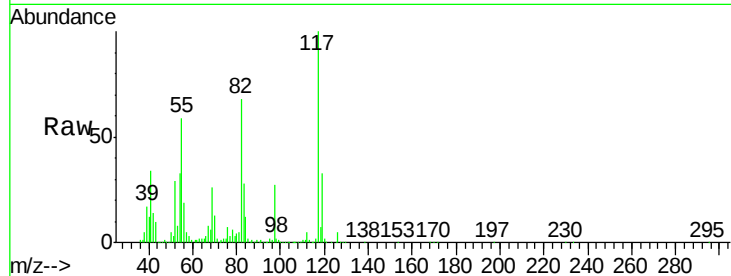
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.07 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion:117 Resp: 2305536
Ion Ratio Lower Upper
117 100
82 75.7 57.4 86.0
119 33.4 47.4 71.0#

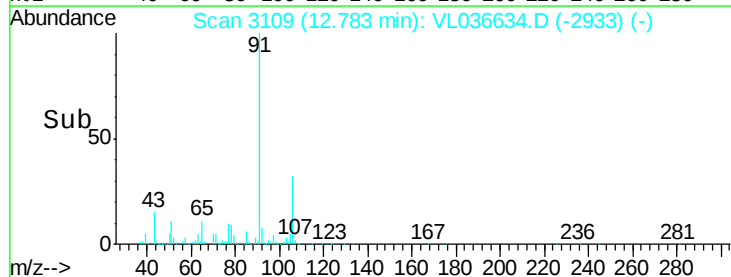
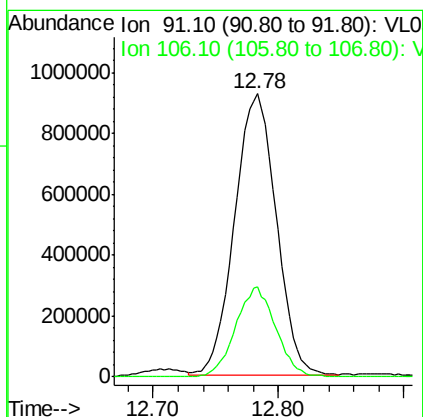
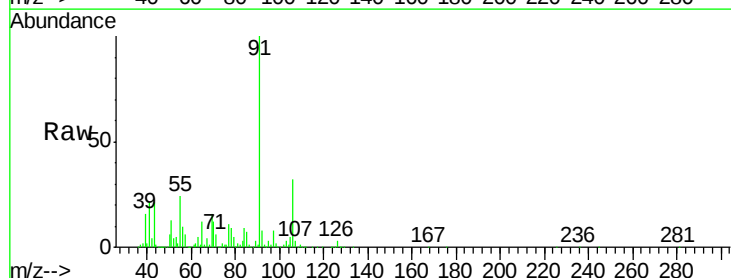
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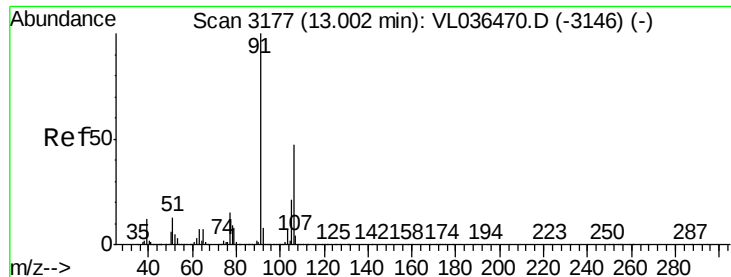
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#58
Ethyl Benzene
Concen: 6.328 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. 0.07 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tgt Ion: 91 Resp: 2122703
Ion Ratio Lower Upper
91 100
106 31.7 25.3 37.9





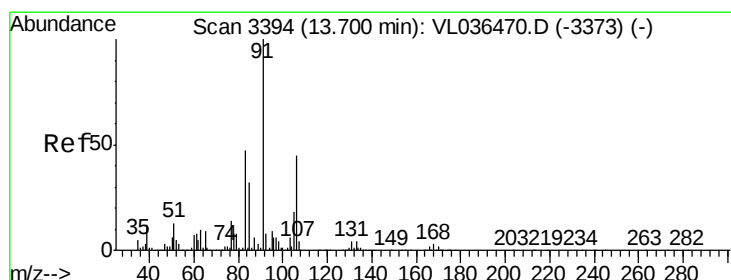
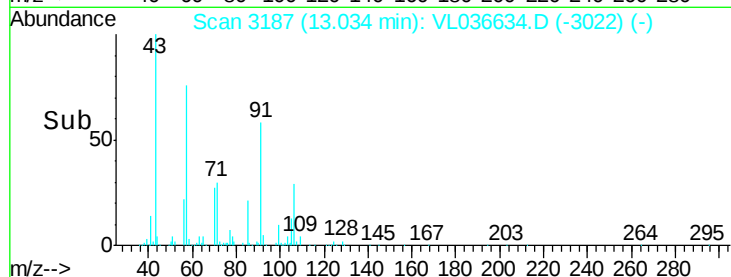
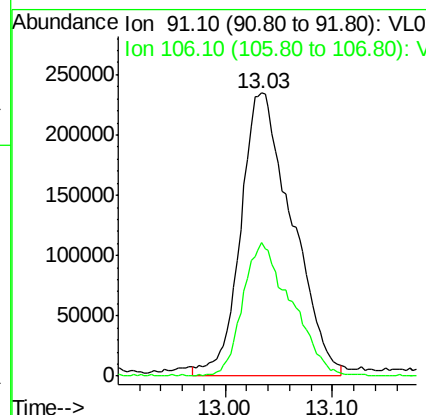
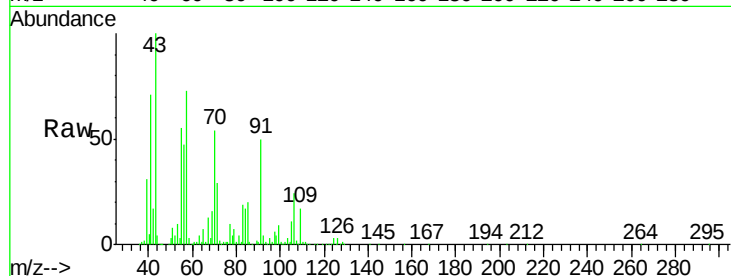
#59
m/p-Xylene
Concen: 2.676 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.03 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Instrument :
MSVOA_L
ClientSampled :
SV1DL

Tot Ion: 91 Resp: 783020
Ion Ratio Lower Upper
91 100
106 44.4 35.3 52.9

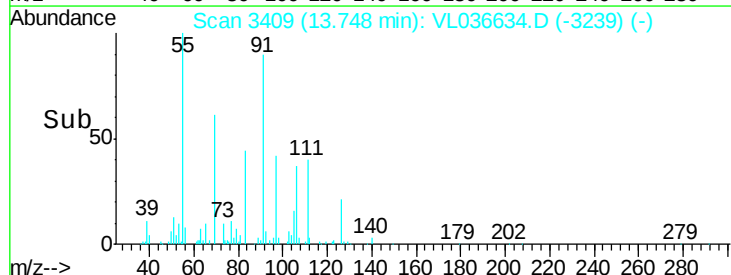
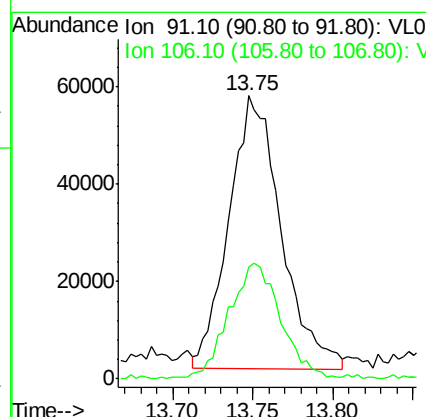
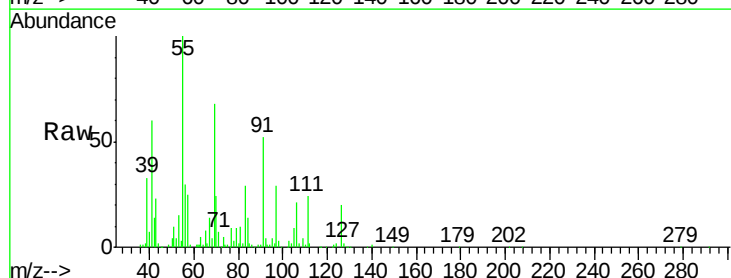
Manual Integrations
APPROVED

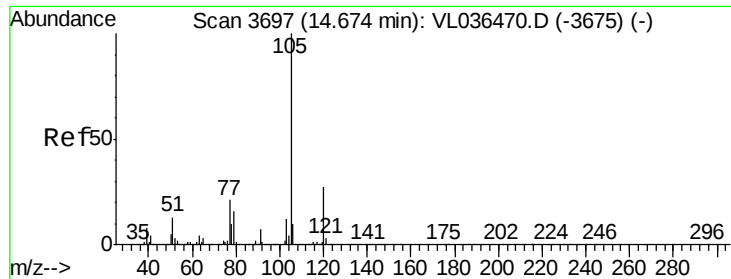
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#60
o-Xylene
Concen: 0.443 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. 0.05 min
Lab File: VL036634.D
Acq: 1 Apr 2021 16:06

Tgt Ion: 91 Resp: 125293
Ion Ratio Lower Upper
91 100
106 42.7 22.3 66.9





#62

Isopropylbenzene

Concen: 1.836 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.04 min

Lab File: VL036634.D

Acq: 1 Apr 2021 16:06

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion:105 Resp: 699597

Ion Ratio Lower Upper

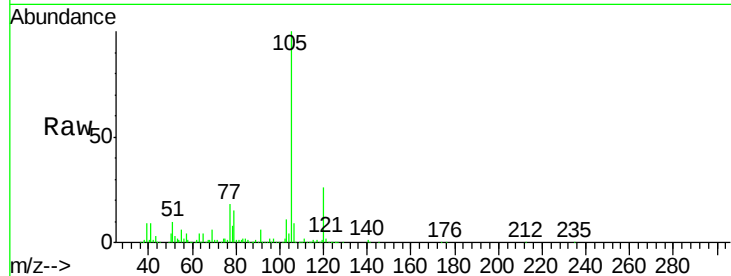
105 100

120 26.3 20.6 31.0

Manual Integrations
APPROVED

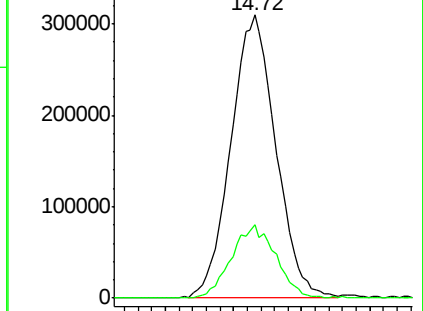
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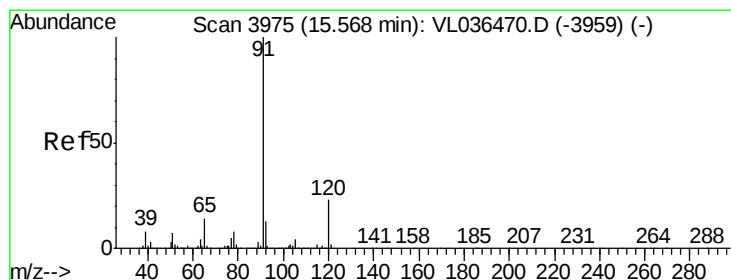
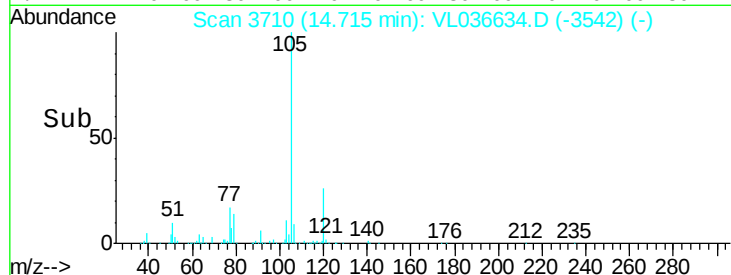


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#64

n-propylbenzene

Concen: 0.714 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.03 min

Lab File: VL036634.D

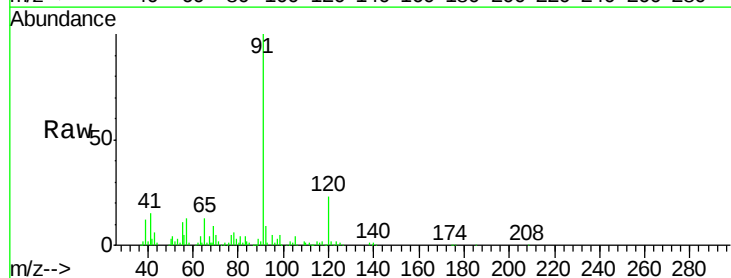
Acq: 1 Apr 2021 16:06

Tgt Ion:120 Resp: 66474

Ion Ratio Lower Upper

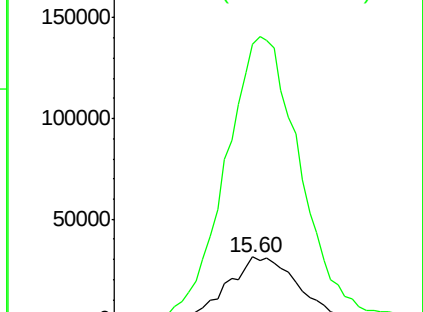
120 100

91 498.4 377.4 566.2

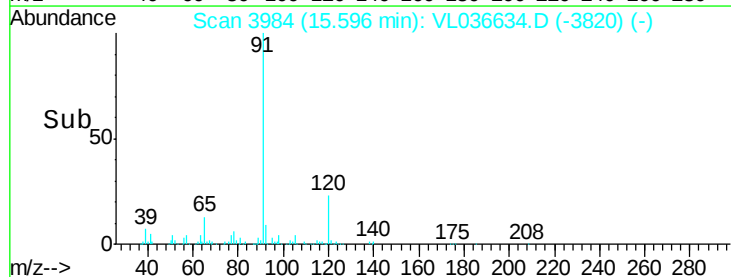


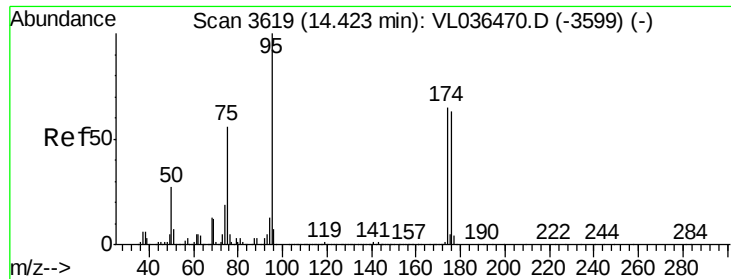
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time-->





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.518 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. 0.04 min
 Lab File: VL036634.D
 Acq: 1 Apr 2021 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tot Ion: 95 Resp: 1932692
 Ion Ratio Lower Upper
 95 100
 174 71.1 51.0 76.6
 175 5.5 3.9 5.9

Manual Integrations
 APPROVED

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