

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039993.D
 Acq On : 13 Dec 2022 2:20
 Operator : SY/MD
 Sample : N5969-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

Quant Time: Dec 13 07:13:00 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Fri Dec 02 23:21:36 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.169	49	1144128	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.635	114	3206964	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.545	117	1809986	10.000	ppbv	# 0.11
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.847	95	3745429m	27.092	ppbv	0.11
Spiked Amount	10.000	Range	65 - 135	Recovery	=	270.900%#
Target Compounds						
9) Propene	2.671	41	24135697m	324.539	ppbv	Qvalue
10) Heptane	7.687	43	40841359m	227.588	ppbv	
11) Trichlorofluoromethane	3.542	101	51517	0.258	ppbv	85
13) Ethanol	3.211	45	604798	106.517	ppbv	99
15) Acetone	3.439	43	4809653	31.693	ppbv #	24
17) tert-Butyl alcohol	3.867	59	95420	0.547	ppbv #	72
20) Methylene Chloride	3.912	84	788298	10.722	ppbv	96
23) Vinyl Acetate	4.594	43	18917089	303.427	ppbv #	1
26) Hexane	5.208	57	18069946m	148.459	ppbv	
34) 2-Butanone	4.761	43	1036436	6.754	ppbv	94
36) Benzene	6.356	78	791602	2.904	ppbv #	90
44) 2,2,4-Trimethylpentane	7.368	57	112677198m	247.608	ppbv	

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

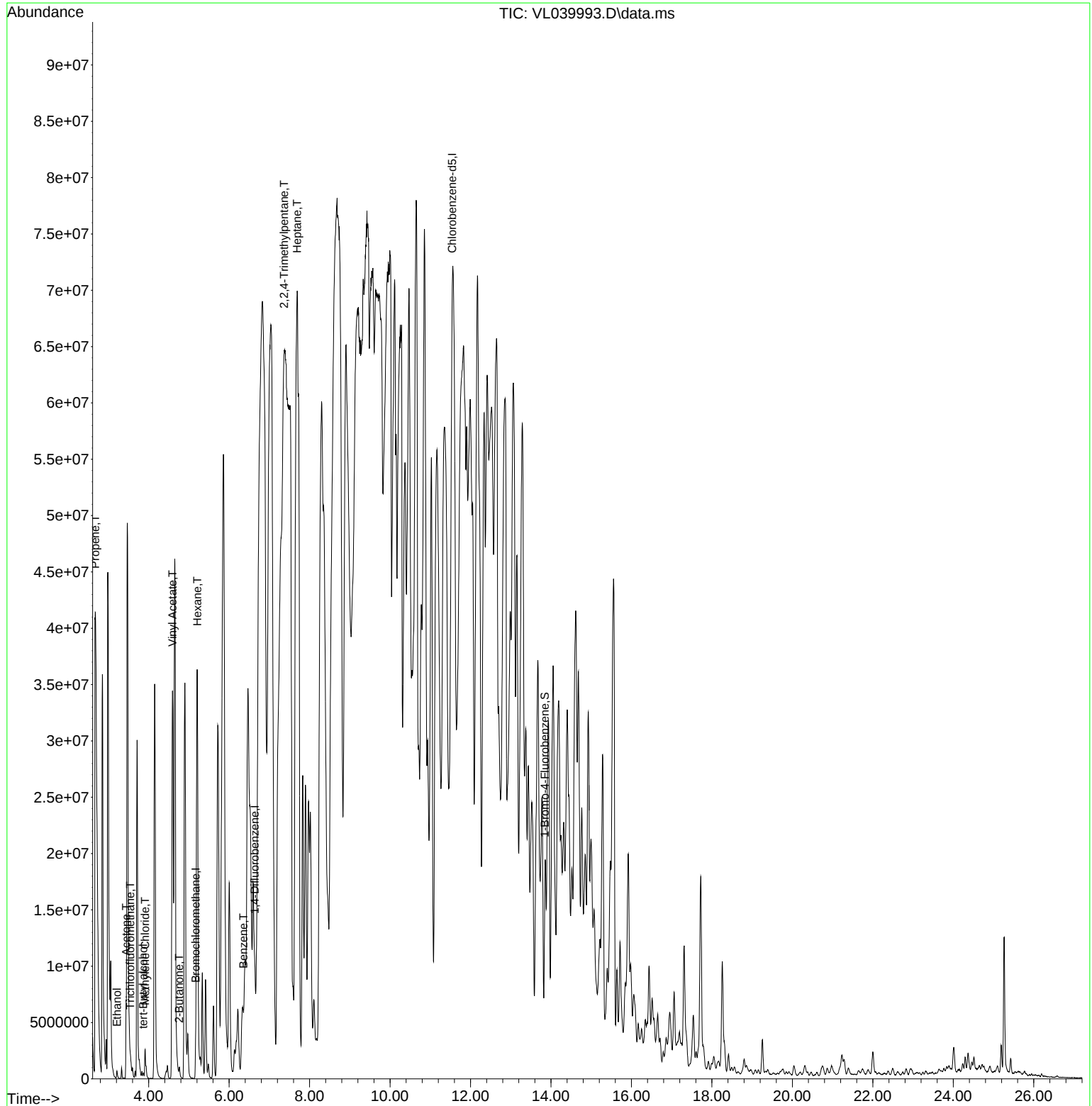
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039993.D
Acq On : 13 Dec 2022 2:20
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MSVOA_L
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Quant Time: Dec 13 07:13:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

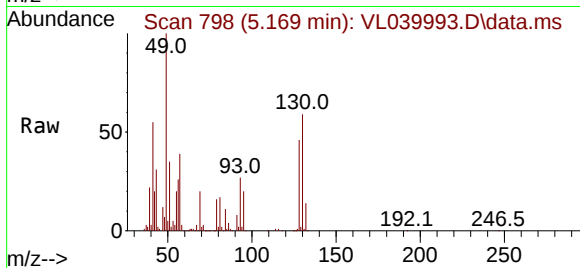
Reviewed By : Semsettin Yesilyurt 12/14/2022
Supervised By : Mahesh Dadoda 12/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 79
Delta R.T. 0.013 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

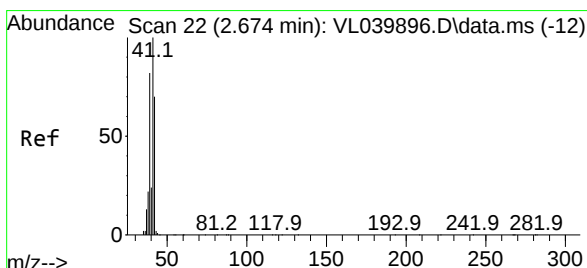
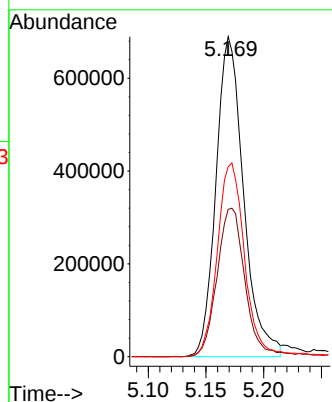
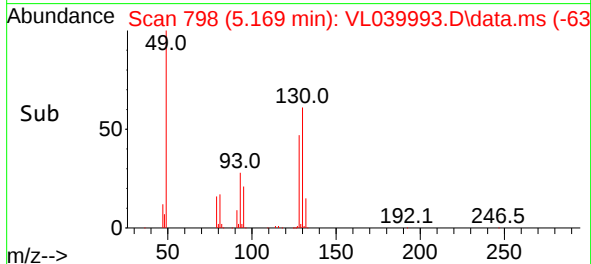
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 49 Resp: 1144128
Ion Ratio Lower Upper
49 100
128 48.0 22.1 66.3
130 61.2 27.7 83.1

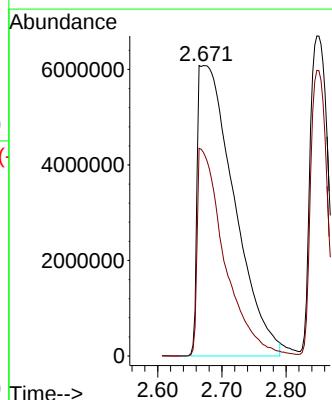
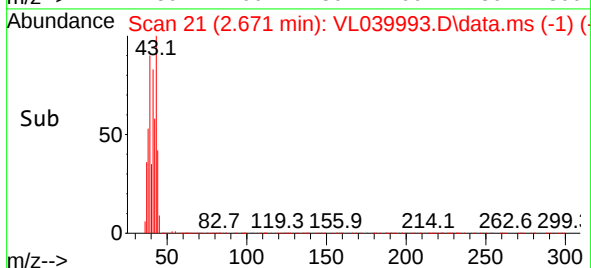
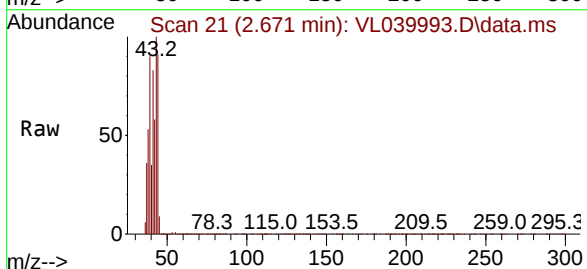
Manual Integrations
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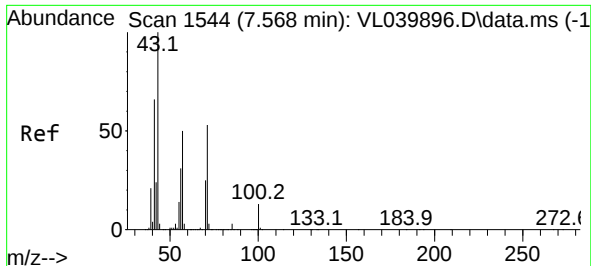
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#9
Propene
Concen: 324.539 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

Tgt Ion: 41 Resp:24135697
Ion Ratio Lower Upper
41 100
42 49.1 55.8 83.6#





#10

Heptane

Concen: 227.588 ppbv m

RT: 7.687 min Scan# 1

Delta R.T. 0.142 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion: 43 Resp:4084135

Ion Ratio Lower Upper

43 100

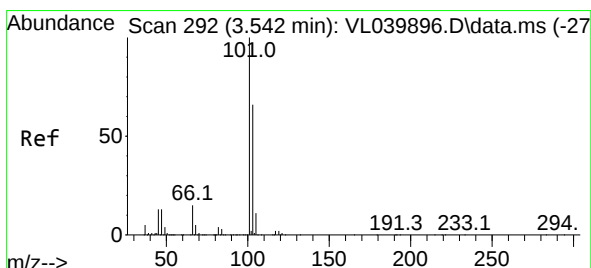
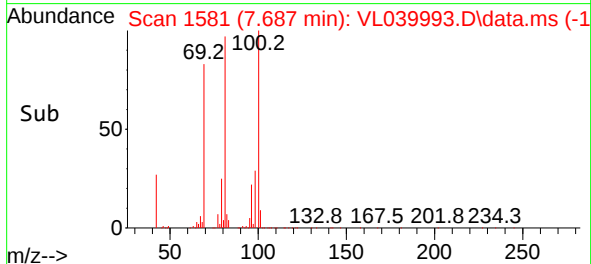
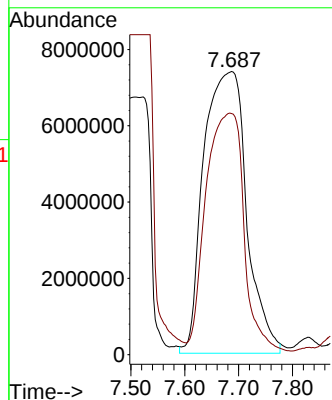
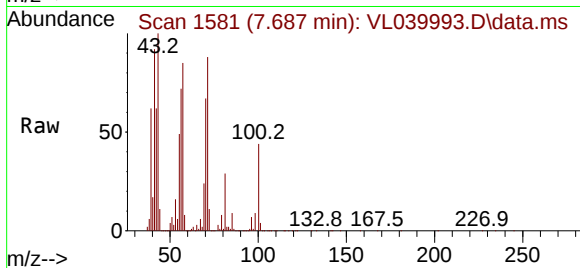
57 0.0 40.7 61.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#11

Trichlorofluoromethane

Concen: 0.258 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.013 min

Lab File: VL039993.D

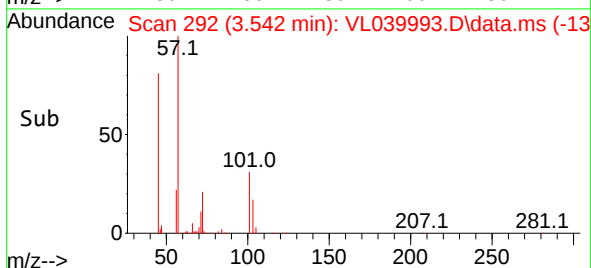
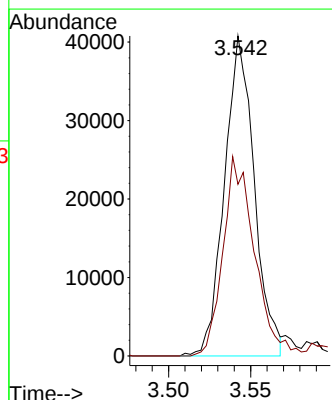
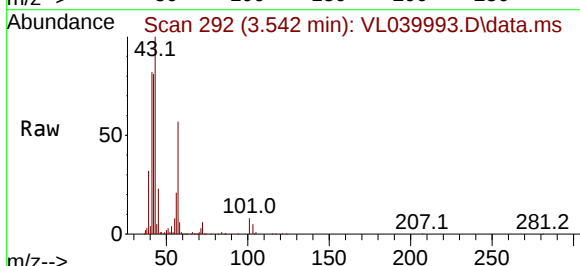
Acq: 13 Dec 2022 2:20

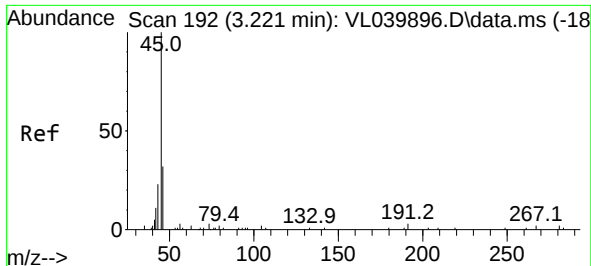
Tgt Ion:101 Resp: 51517

Ion Ratio Lower Upper

101 100

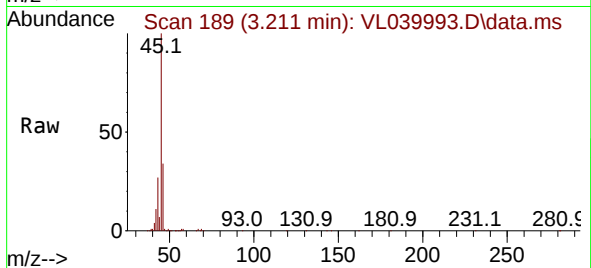
103 53.6 52.6 78.8





#13
Ethanol
Concen: 106.517 ppbv
RT: 3.211 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

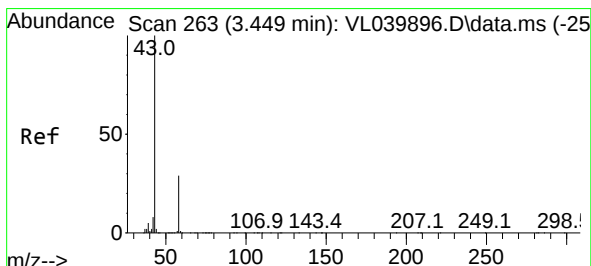
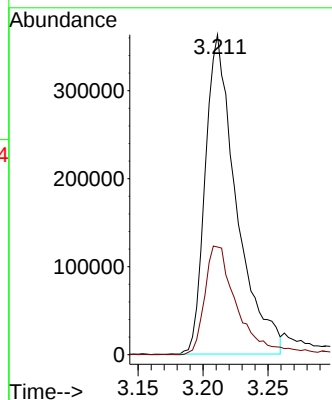
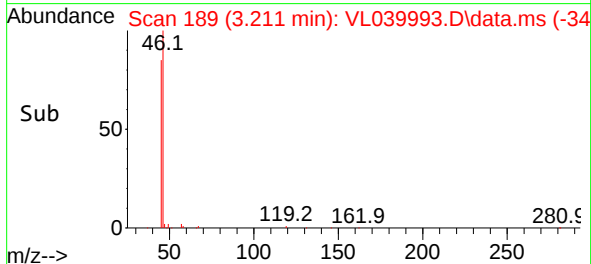
Instrument :
MSVOA_L
ClientSampleId :
SG-1



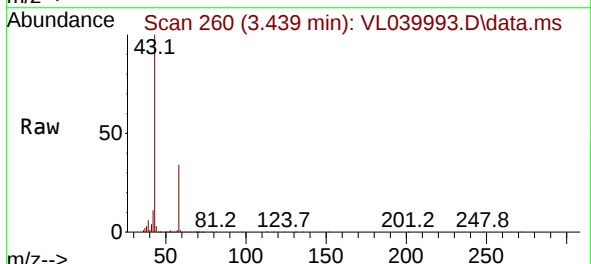
Tgt Ion: 45 Resp: 604798
Ion Ratio Lower Upper
45 100
46 37.1 14.6 58.2

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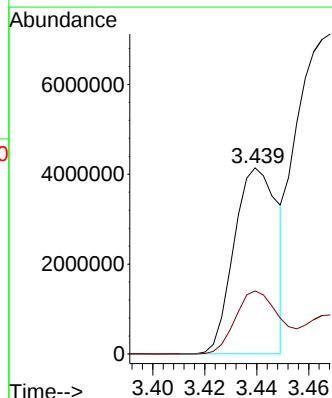
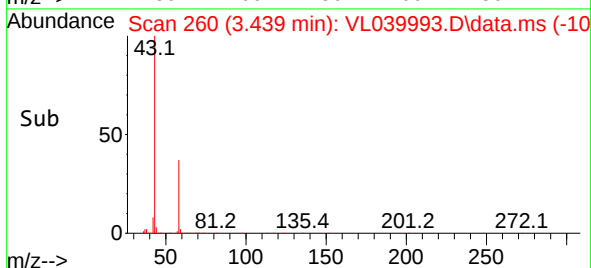
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022

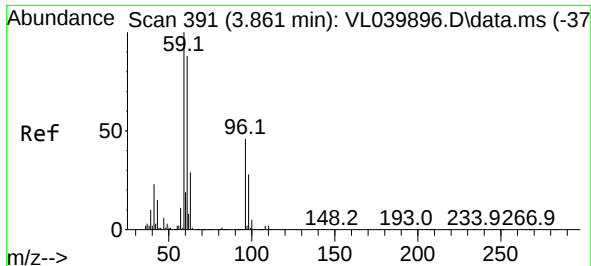


#15
Acetone
Concen: 31.693 ppbv
RT: 3.439 min Scan# 260
Delta R.T. 0.006 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20



Tgt Ion: 43 Resp: 4809653
Ion Ratio Lower Upper
43 100
58 68.9 22.9 34.3#





#17

tert-Butyl alcohol

Concen: 0.547 ppbv

RT: 3.867 min Scan# 391

Delta R.T. 0.023 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion: 59 Resp: 95420

Ion Ratio Lower Upper

59 100

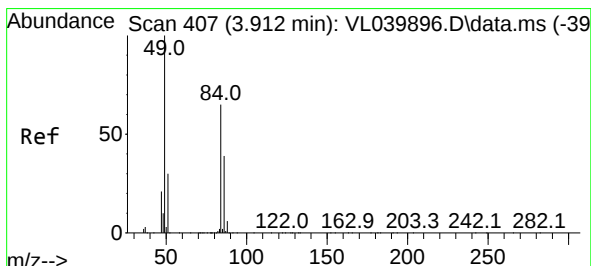
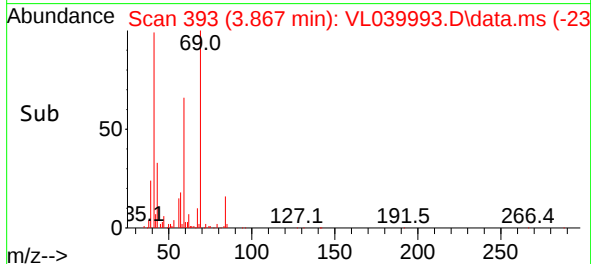
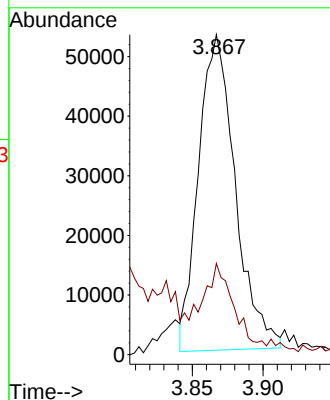
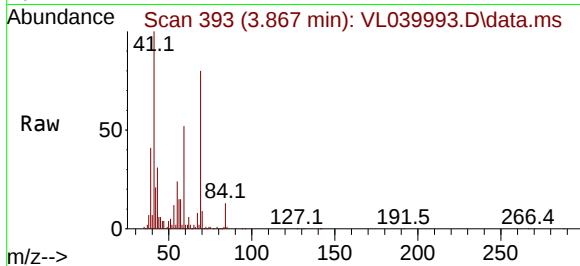
57 0.0 8.3 12.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#20

Methylene Chloride

Concen: 10.722 ppbv

RT: 3.912 min Scan# 407

Delta R.T. 0.016 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Tgt Ion: 84 Resp: 788298

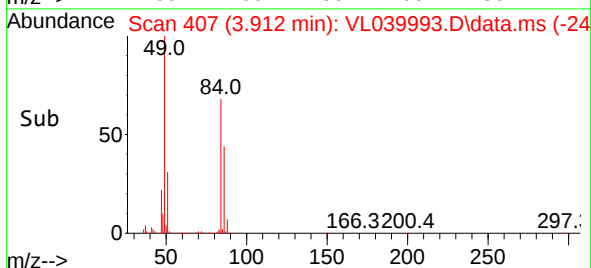
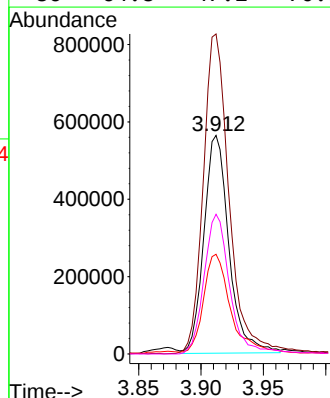
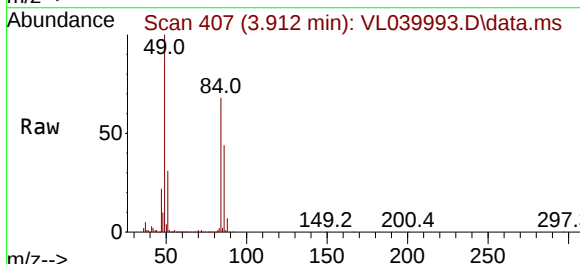
Ion Ratio Lower Upper

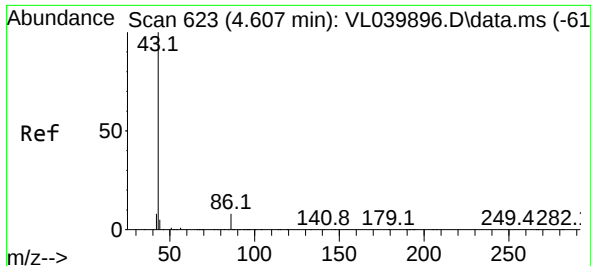
84 100

49 147.7 122.2 183.4

51 45.4 36.3 54.5

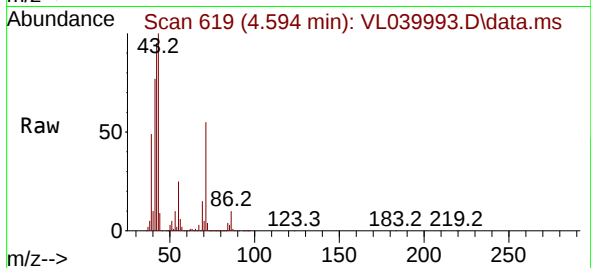
86 64.8 47.2 70.8





#23
 Vinyl Acetate
 Concen: 303.427 ppbv
 RT: 4.594 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20

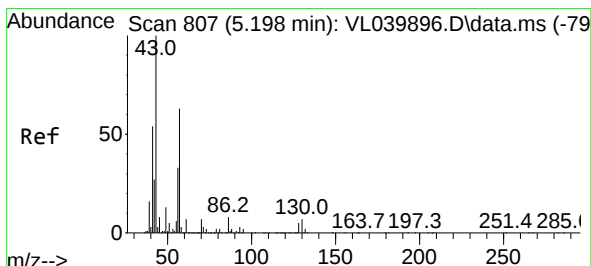
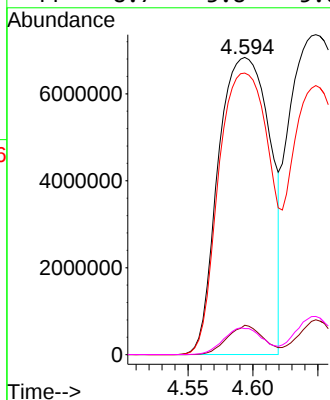
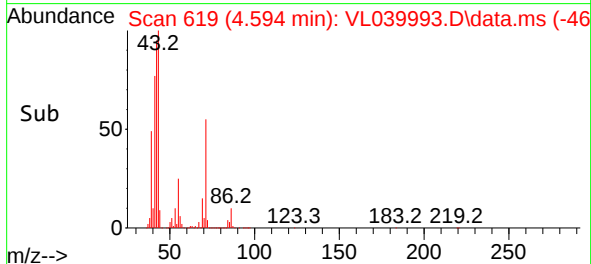
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1



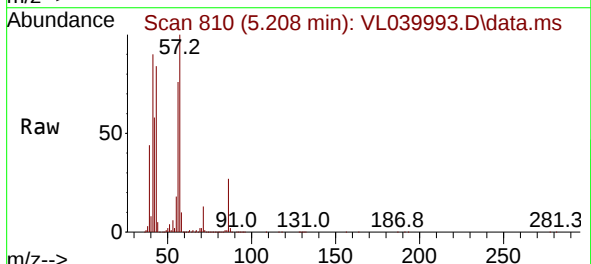
Tgt Ion: 43 Resp:18917089
 Ion Ratio Lower Upper
 43 100
 86 9.9 5.0 7.4#
 42 94.7 7.6 11.4#
 44 8.7 3.8 5.6#

Manual Integrations
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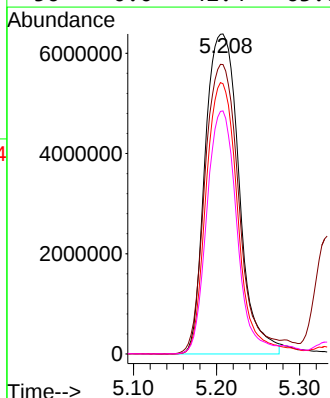
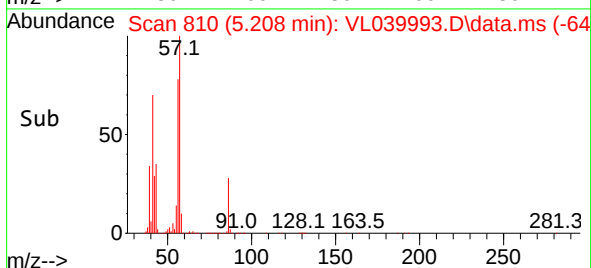
Reviewed By :Semsettin Yesilyurt 12/14/2022
 Supervised By :Mahesh Dadoda 12/14/2022

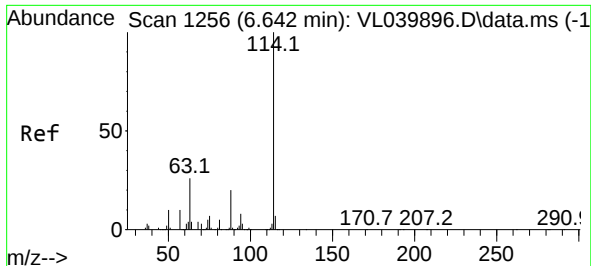


#26
 Hexane
 Concen: 148.459 ppbv m
 RT: 5.208 min Scan# 810
 Delta R.T. 0.032 min
 Lab File: VL039993.D
 Acq: 13 Dec 2022 2:20



Tgt Ion: 57 Resp:18069946
 Ion Ratio Lower Upper
 57 100
 41 0.0 72.3 108.5#
 43 0.0 188.7 283.1#
 56 0.0 42.4 63.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. 0.016 min

Lab File: VL039993.D

Acq: 13 Dec 2022 2:20

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tgt Ion:114 Resp: 320696

Ion Ratio Lower Upper

114 100

63 25.6 21.4 32.0

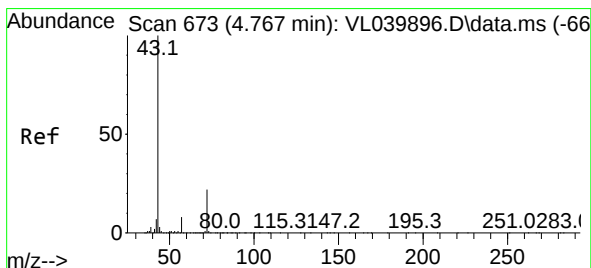
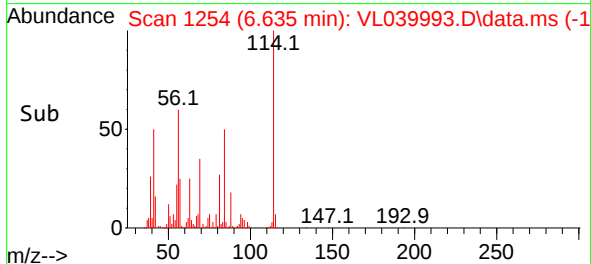
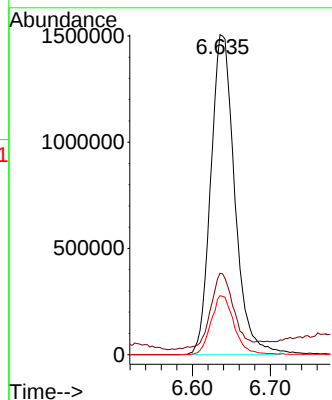
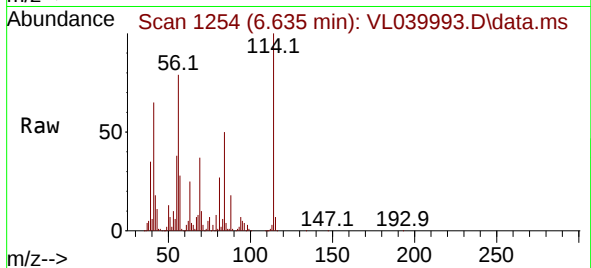
88 18.2 15.3 22.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/14/2022

Supervised By :Mahesh Dadoda 12/14/2022



#34

2-Butanone

Concen: 6.754 ppbv

RT: 4.761 min Scan# 671

Delta R.T. 0.010 min

Lab File: VL039993.D

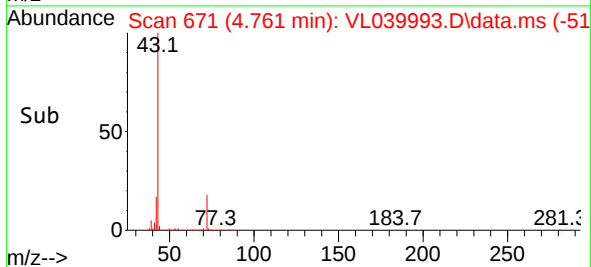
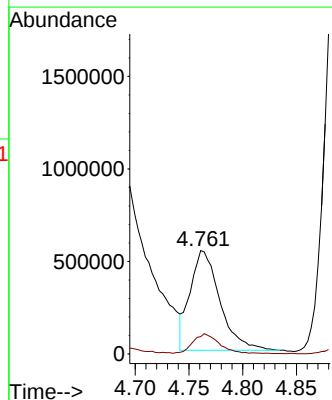
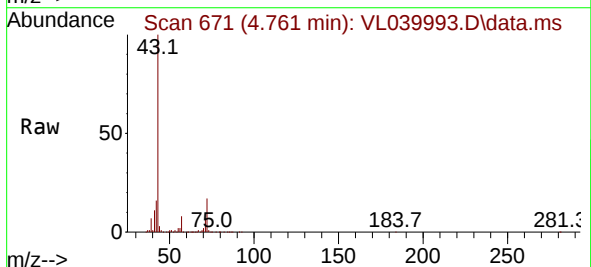
Acq: 13 Dec 2022 2:20

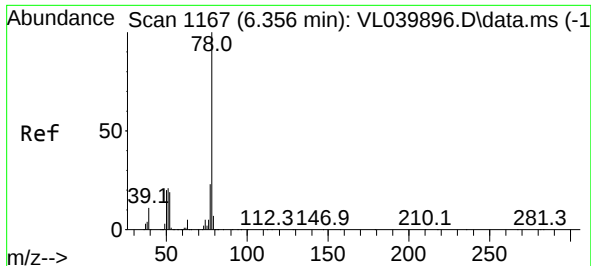
Tgt Ion: 43 Resp: 1036436

Ion Ratio Lower Upper

43 100

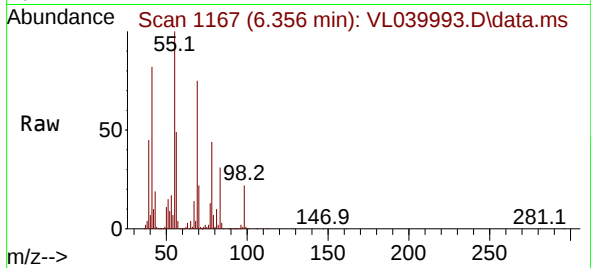
72 19.1 17.4 26.2





#36
Benzene
Concen: 2.904 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.023 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

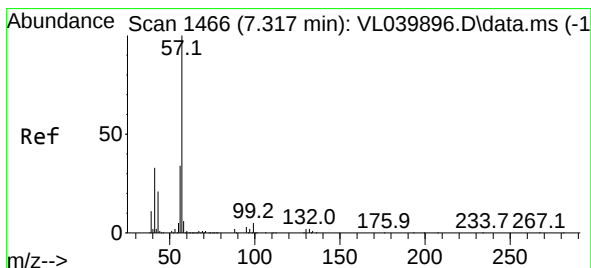
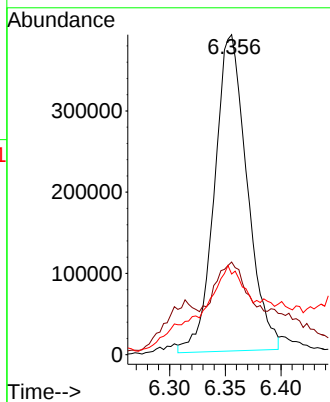
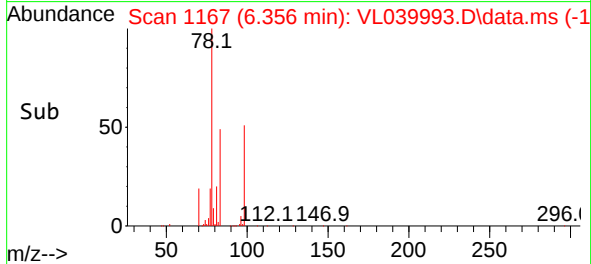
Instrument :
MSVOA_L
ClientSampleId :
SG-1



Tgt Ion: 78 Resp: 791602
Ion Ratio Lower Upper
78 100
77 16.5 18.2 27.2
50 16.3 15.8 23.8

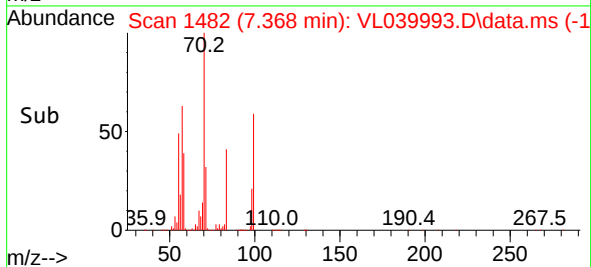
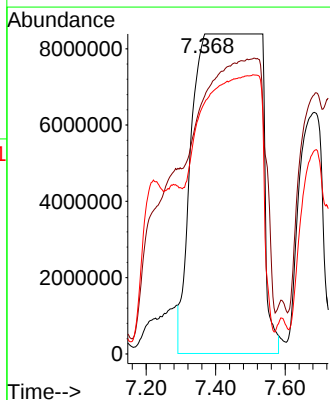
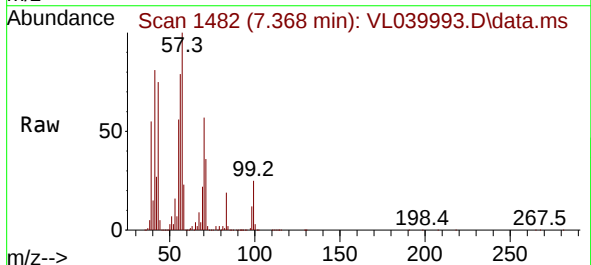
Manual Integrations
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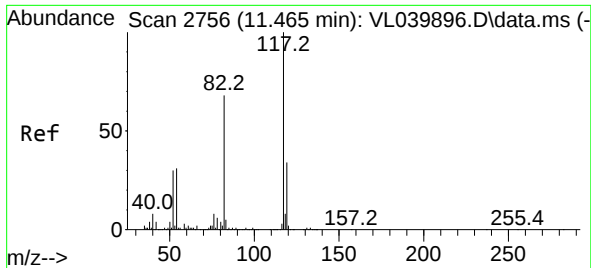
Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#44
2,2,4-Trimethylpentane
Concen: 247.608 ppbv m
RT: 7.368 min Scan# 1482
Delta R.T. 0.077 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

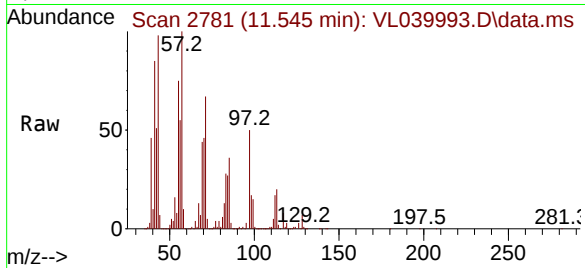
Tgt Ion: 57 Resp:112677198
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.2#
56 0.0 25.5 38.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.113 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20

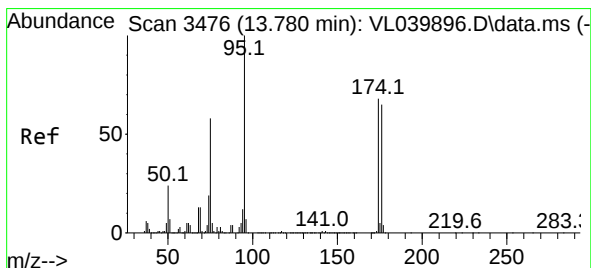
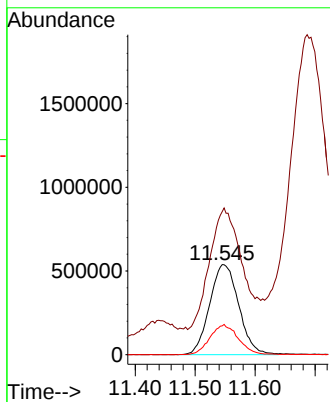
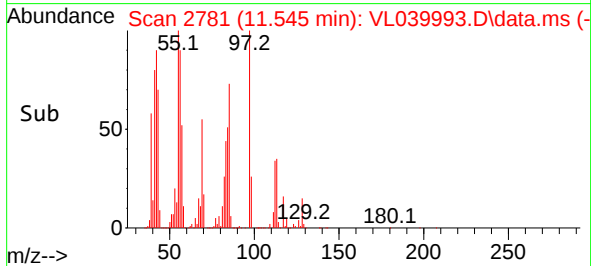
Instrument :
MSVOA_L
ClientSampleId :
SG-1



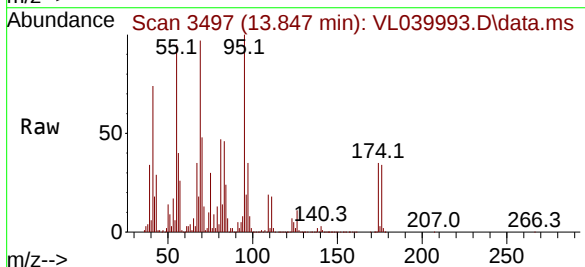
Tgt Ion: 117 Resp: 1809980
Ion Ratio Lower Upper
117 100
82 187.5 52.3 78.5
119 32.4 25.7 38.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/14/2022
Supervised By :Mahesh Dadoda 12/14/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 27.092 ppbv m
RT: 13.847 min Scan# 3497
Delta R.T. 0.106 min
Lab File: VL039993.D
Acq: 13 Dec 2022 2:20



Tgt Ion: 95 Resp: 3745429
Ion Ratio Lower Upper
95 100
174 0.0 53.7 80.5#
175 0.0 4.0 6.0#

