

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040200.D
 Acq On : 21 Feb 2023 18:30
 Operator : SY/MD
 Sample : 01626-03DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 03:25:32 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.201	49	890093	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2313648	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2067682	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1699664	9.997	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
2) Dichlorodifluoromethane	2.732	85	20488	0.124	ppbv	91
4) Chloromethane	2.816	50	10570	0.158	ppbv	92
9) Propene	2.703	41	10463	0.241	ppbv #	73
13) Ethanol	3.256	45	38147m	9.560	ppbv	
15) Acetone	3.475	43	226056	2.109	ppbv	98
19) Isopropyl Alcohol	3.603	45	18107	0.355	ppbv #	75
20) Methylene Chloride	3.941	84	275887	4.945	ppbv	96
26) Hexane	5.221	57	174139	2.036	ppbv #	37
34) 2-Butanone	4.812	43	14874	0.130	ppbv #	74
44) 2,2,4-Trimethylpentane	7.349	57	41471m	0.138	ppbv	
53) Toluene	9.233	91	68624	0.356	ppbv	100
59) m/p-Xylene	12.362	91	22298m	0.100	ppbv	

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

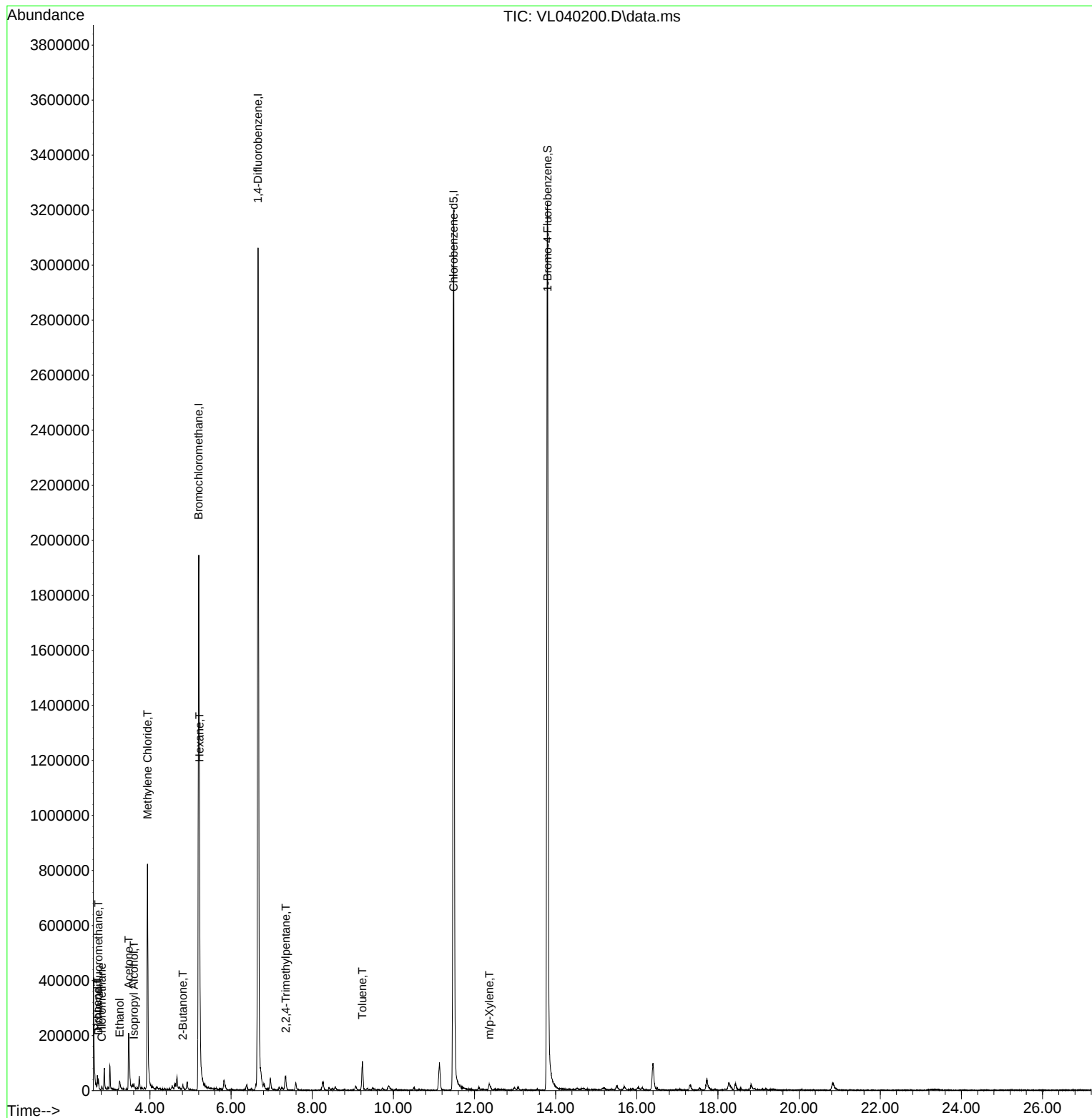
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040200.D
Acq On : 21 Feb 2023 18:30
Operator : SY/MD
Sample : 01626-03DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

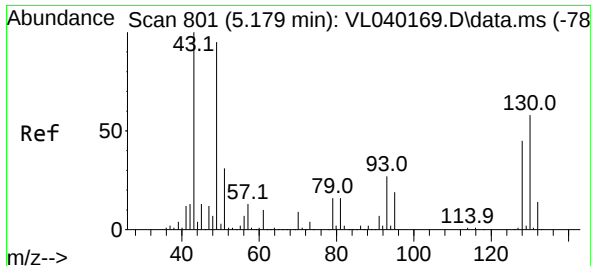
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

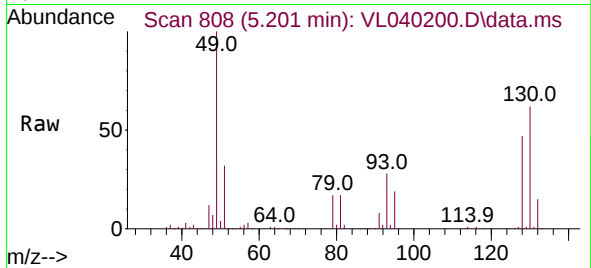
Quant Time: Feb 22 03:25:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 801
Delta R.T. -0.004 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

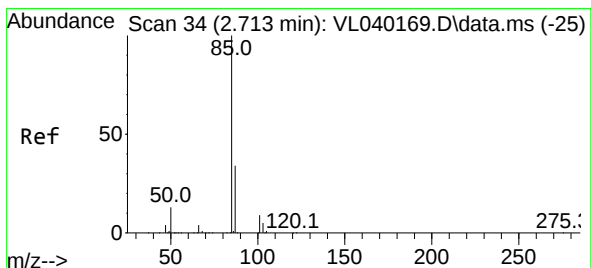
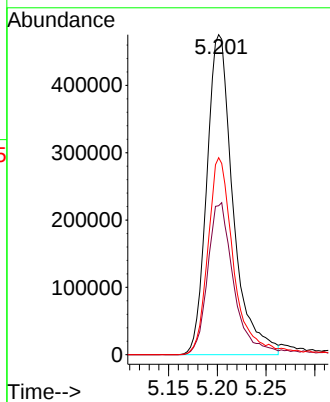
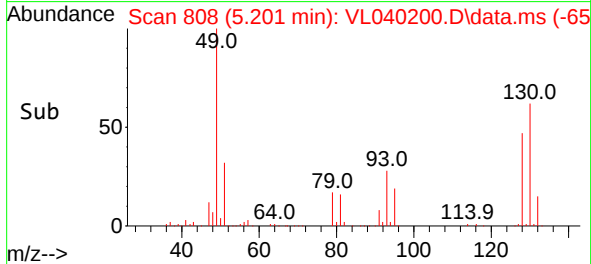
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL



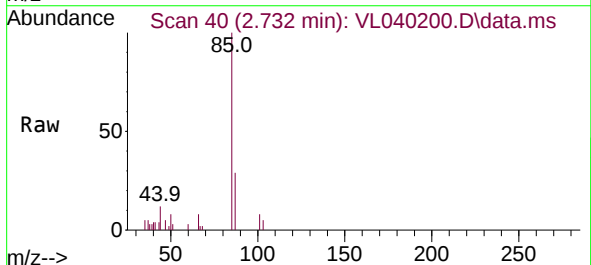
Tgt Ion: 49 Resp: 890093
Ion Ratio Lower Upper
49 100
128 49.3 24.1 72.3
130 62.0 30.9 92.8

Manual Integrations
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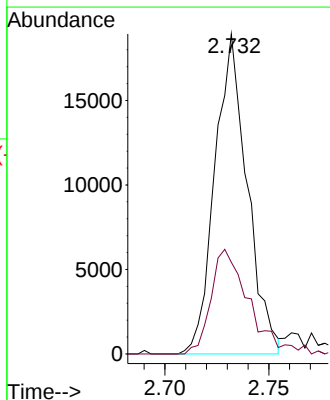
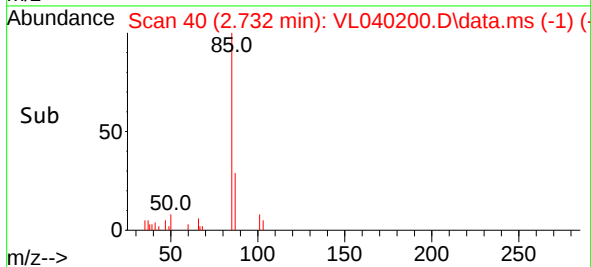
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

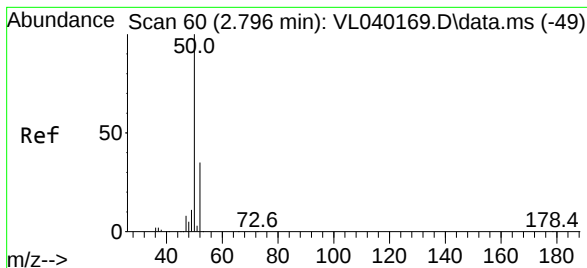


#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.003 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30



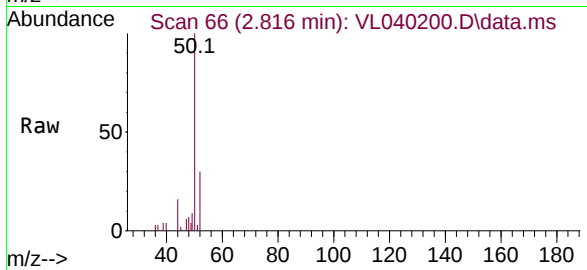
Tgt Ion: 85 Resp: 20488
Ion Ratio Lower Upper
85 100
87 28.7 27.0 40.6





#4
Chloromethane
Concen: 0.158 ppbv
RT: 2.816 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

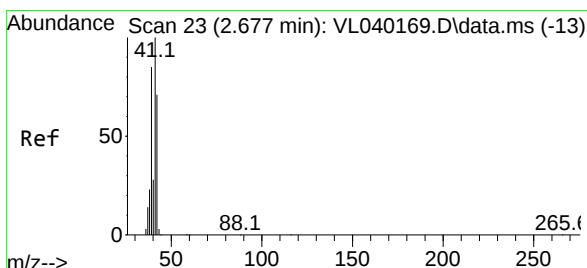
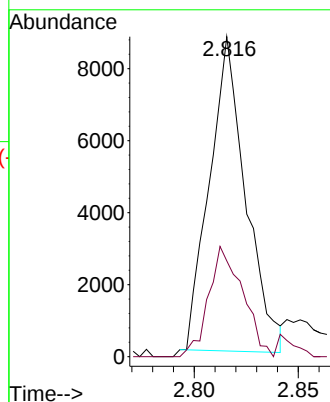
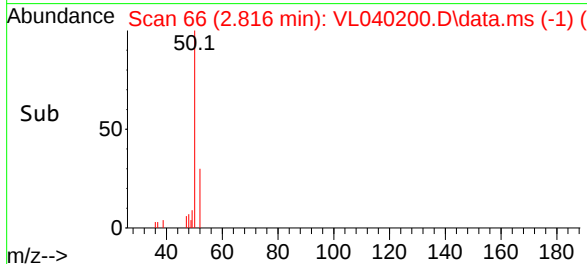
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL



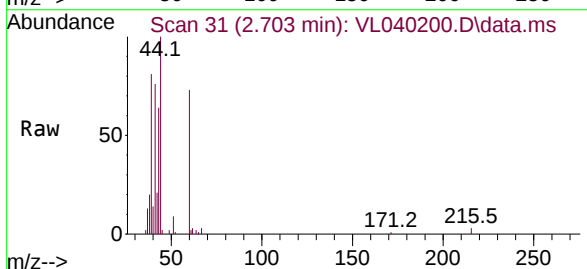
Tgt Ion: 50 Resp: 10570
Ion Ratio Lower Upper
50 100
52 30.6 28.3 42.5

Manual Integrations
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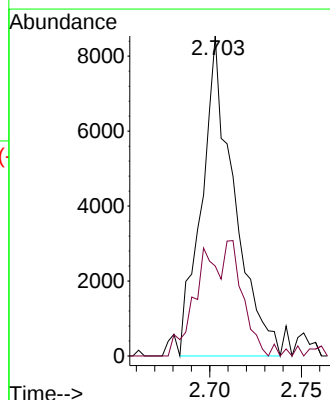
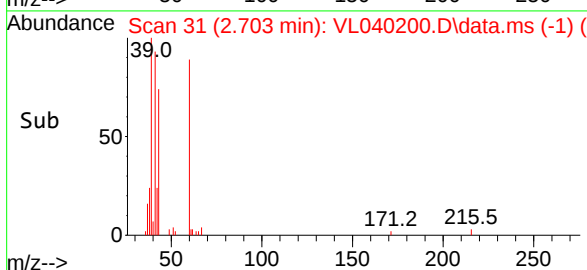
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

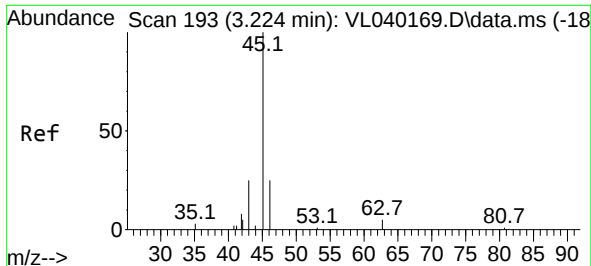


#9
Propene
Concen: 0.241 ppbv
RT: 2.703 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30



Tgt Ion: 41 Resp: 10463
Ion Ratio Lower Upper
41 100
42 48.5 56.9 85.3#





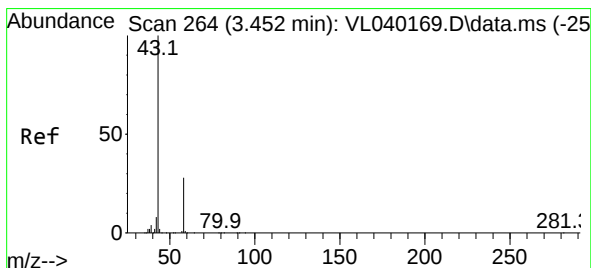
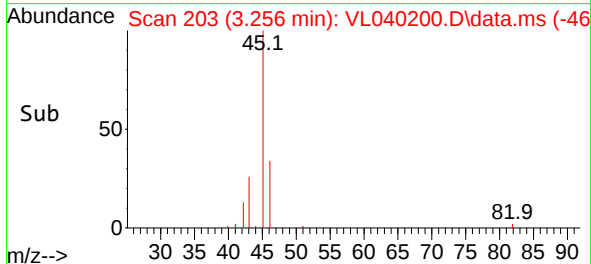
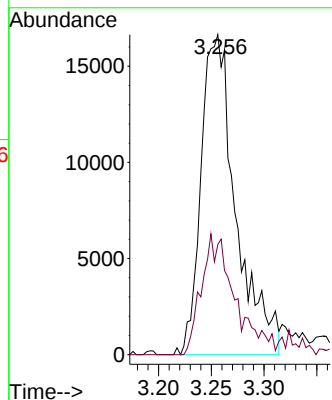
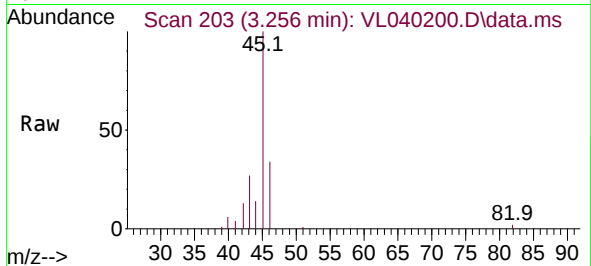
#13
Ethanol
Concen: 9.560 ppbv m
RT: 3.256 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 45 Resp: 3814
Ion Ratio Lower Upper
45 100
46 40.5 13.3 53.1

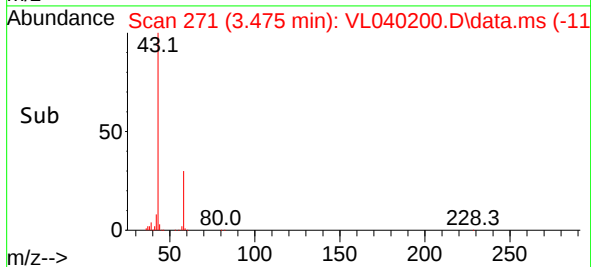
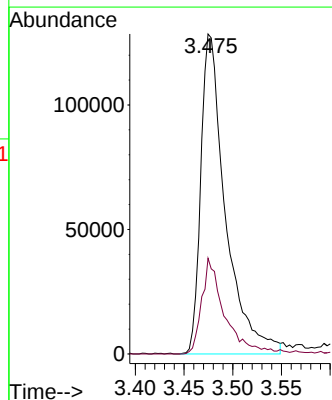
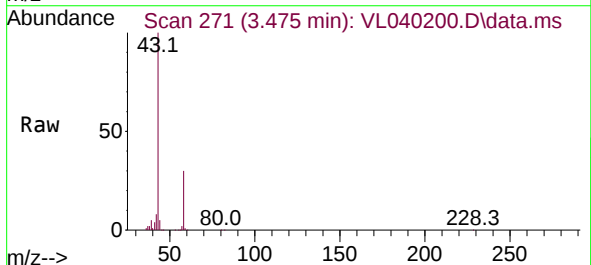
Manual Integrations
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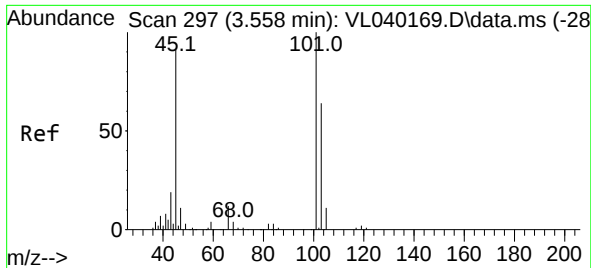
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#15
Acetone
Concen: 2.109 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.003 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

Tgt Ion: 43 Resp: 226056
Ion Ratio Lower Upper
43 100
58 29.1 22.4 33.6





#19

Isopropyl Alcohol

Concen: 0.355 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.022 min

Lab File: VL040200.D

Acq: 21 Feb 2023 18:30

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

Tgt Ion: 45 Resp: 1810

Ion Ratio Lower Upper

45 100

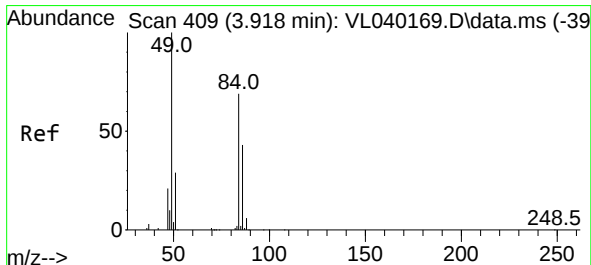
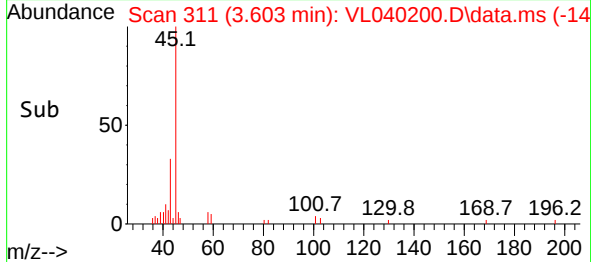
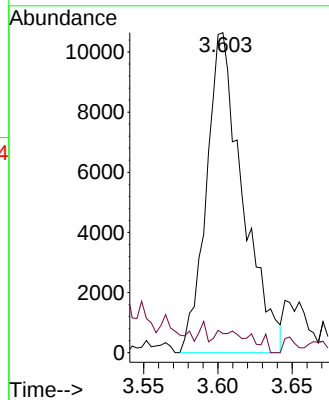
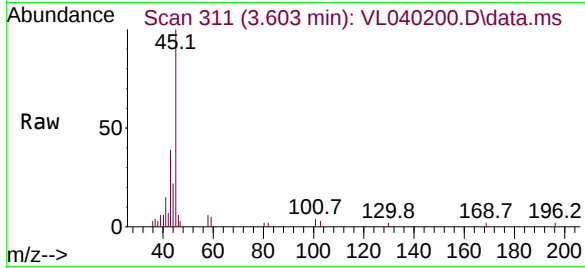
58 11.6 2.6 3.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#20

Methylene Chloride

Concen: 4.945 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.003 min

Lab File: VL040200.D

Acq: 21 Feb 2023 18:30

Tgt Ion: 84 Resp: 275887

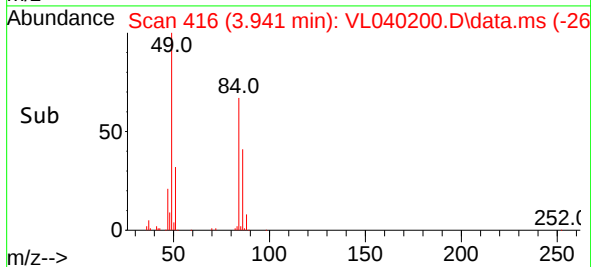
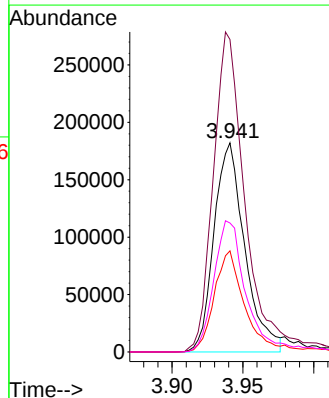
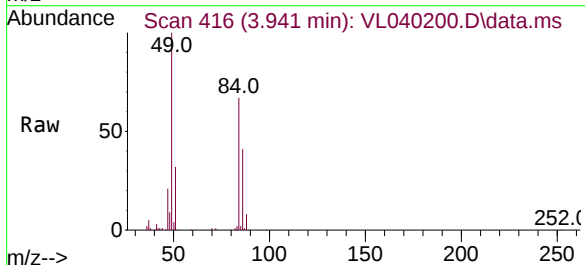
Ion Ratio Lower Upper

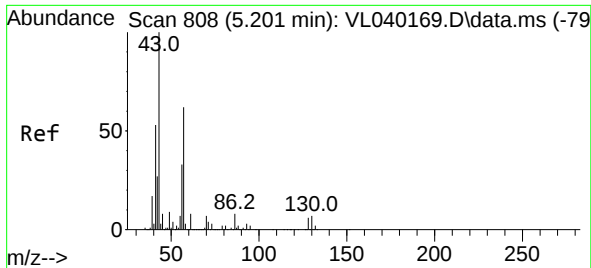
84 100

49 149.3 115.5 173.3

51 48.3 33.1 49.7

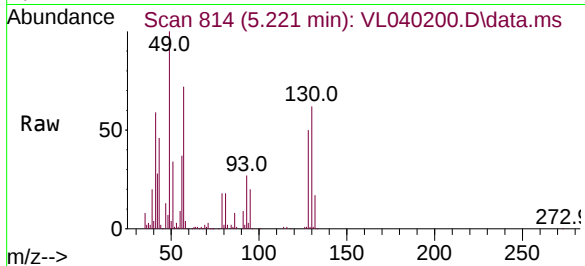
86 61.6 50.2 75.2





#26
Hexane
Concen: 2.036 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

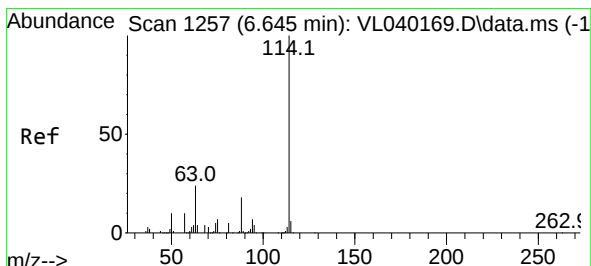
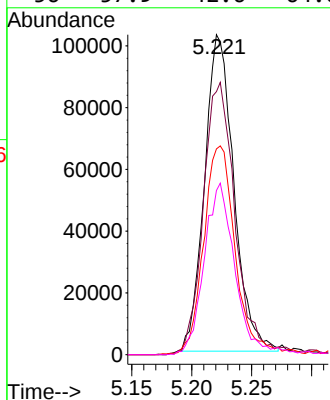
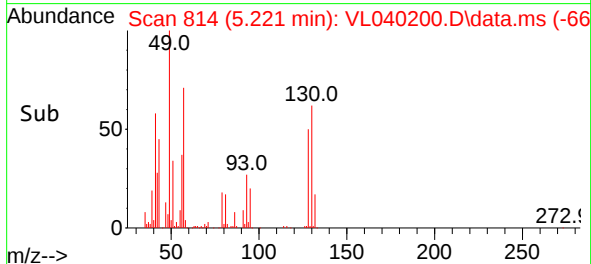
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL



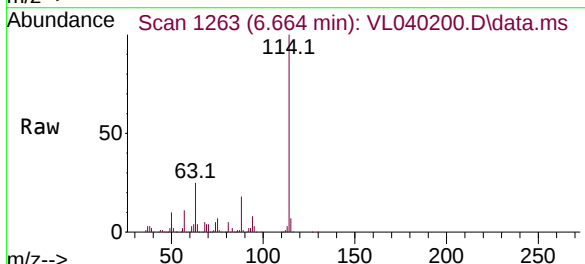
Tgt Ion: 57 Resp: 174139
Ion Ratio Lower Upper
57 100
41 94.7 74.3 111.5
43 72.3 193.0 289.4
56 57.9 42.6 64.0

Manual Integrations
APPROVED

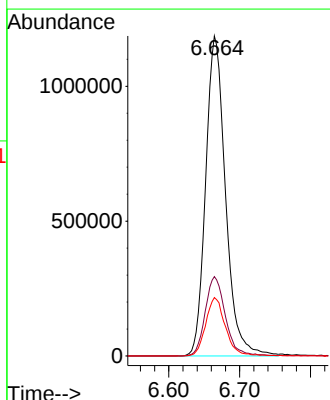
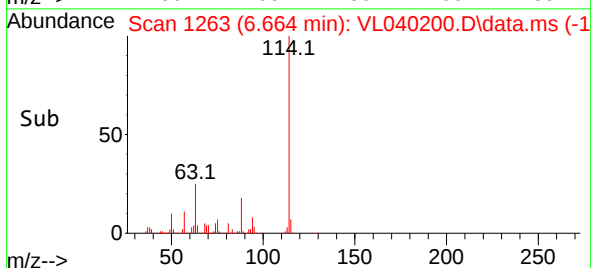
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

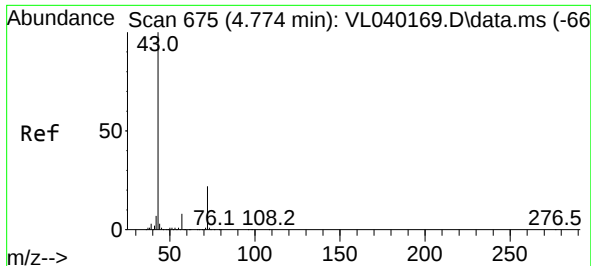


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. -0.010 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30



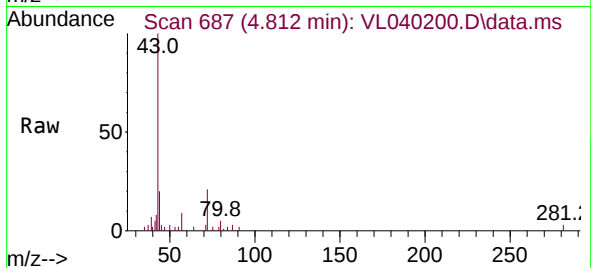
Tgt Ion:114 Resp: 2313648
Ion Ratio Lower Upper
114 100
63 25.4 20.4 30.6
88 18.2 14.3 21.5





#34
2-Butanone
Concen: 0.130 ppbv
RT: 4.812 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

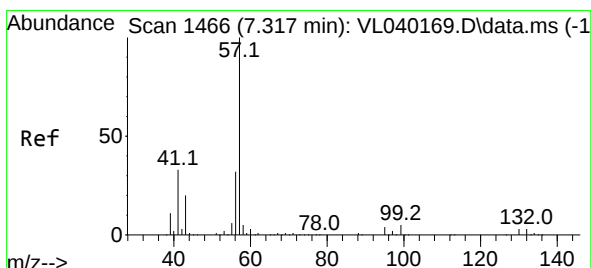
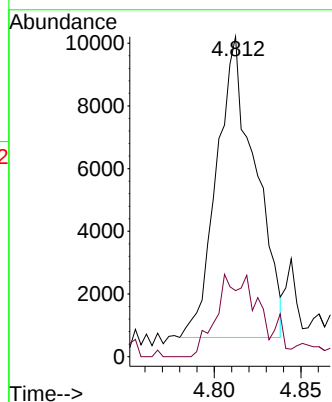
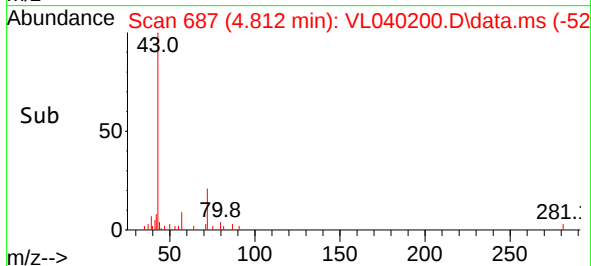
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL



Tgt Ion: 43 Resp: 14874
Ion Ratio Lower Upper
43 100
72 34.9 17.8 26.8

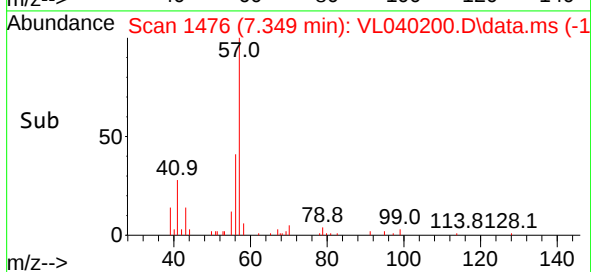
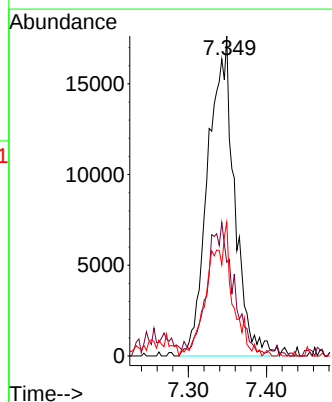
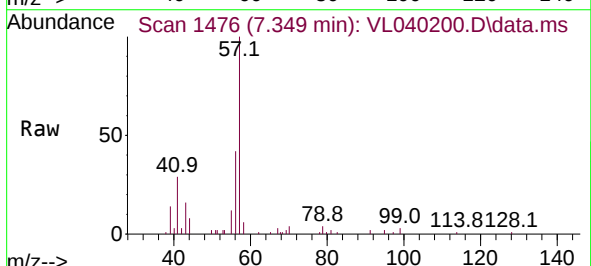
Manual Integrations
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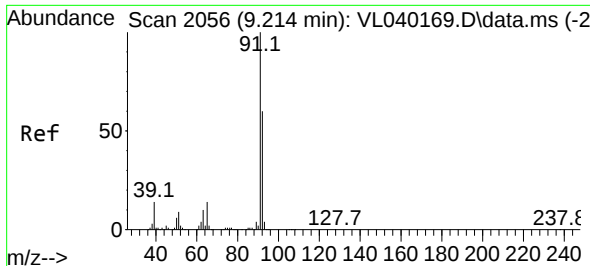
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#44
2,2,4-Trimethylpentane
Concen: 0.138 ppbv m
RT: 7.349 min Scan# 1476
Delta R.T. 0.003 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

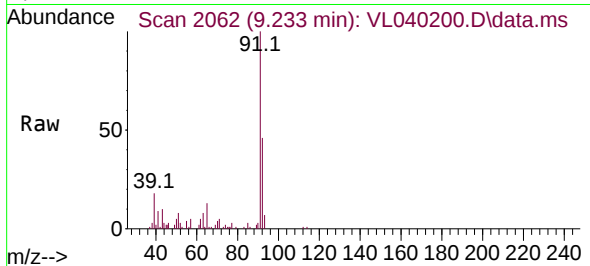
Tgt Ion: 57 Resp: 41471
Ion Ratio Lower Upper
57 100
41 42.1 26.2 39.4#
56 0.0 24.9 37.3#





#53
Toluene
Concen: 0.356 ppbv
RT: 9.233 min Scan# 2056
Delta R.T. -0.013 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

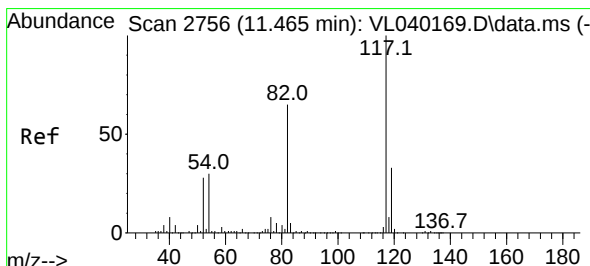
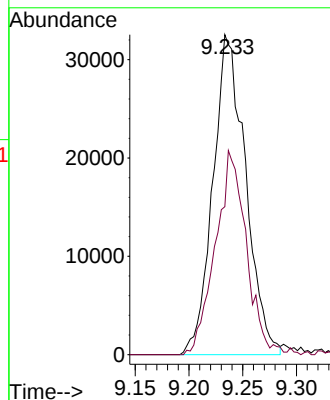
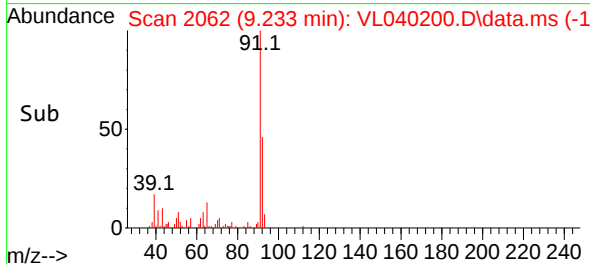
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL



Tgt Ion: 91 Resp: 68624
Ion Ratio Lower Upper
91 100
92 60.8 48.9 73.3

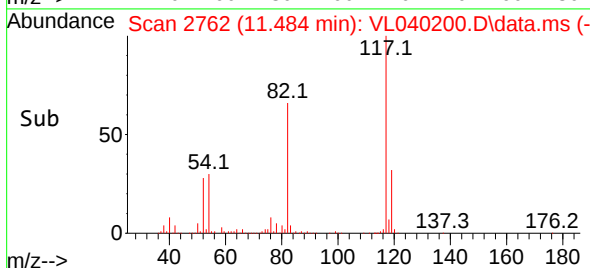
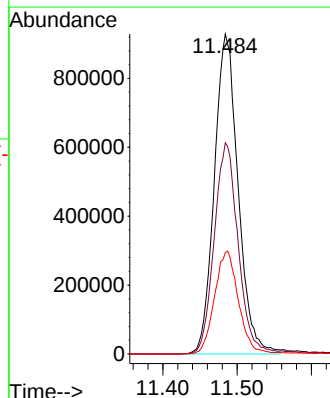
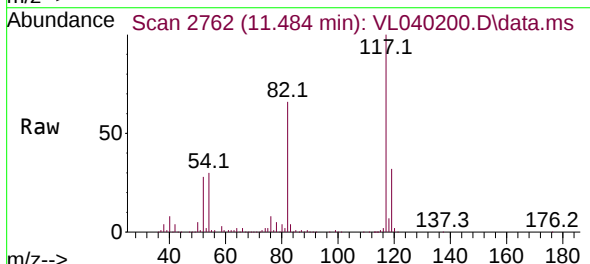
Manual Integrations
APPROVED

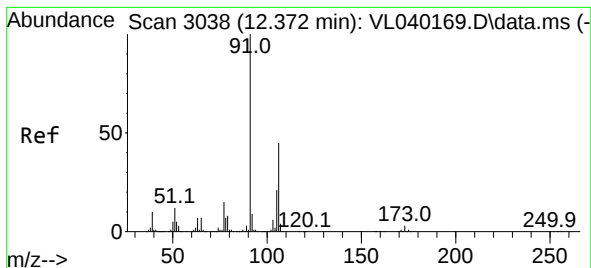
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. -0.010 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

Tgt Ion:117 Resp: 2067682
Ion Ratio Lower Upper
117 100
82 67.2 53.3 79.9
119 32.7 24.6 37.0





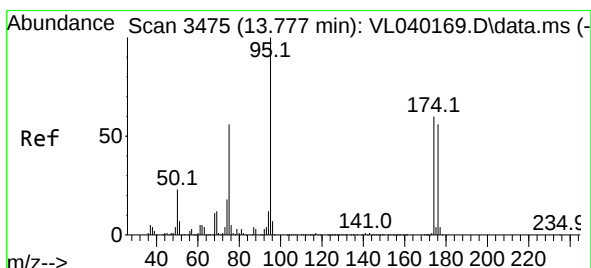
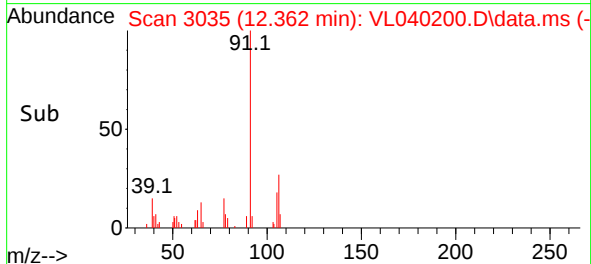
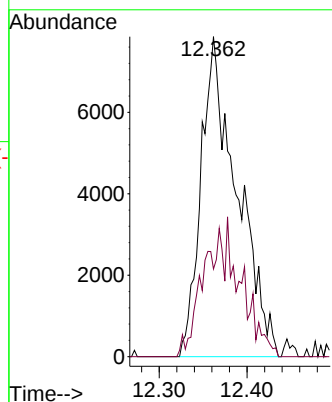
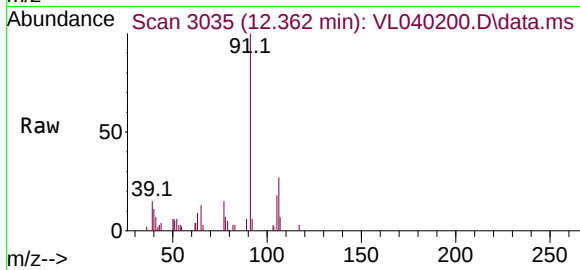
#59
m/p-Xylene
Concen: 0.100 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.036 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion: 91 Resp: 22298
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.997 ppbv
RT: 13.799 min Scan# 3482
Delta R.T. -0.007 min
Lab File: VL040200.D
Acq: 21 Feb 2023 18:30

Tgt Ion: 95 Resp: 1699664
Ion Ratio Lower Upper
95 100
174 59.6 48.2 72.2
175 4.2 3.4 5.2

