

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040829.D
 Acq On : 9 Nov 2023 9:59
 Operator : SY/MD
 Sample : 05276-04DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-IA-4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
 Supervised By :Mahesh Dadoda 11/13/2023

Quant Time: Nov 10 04:50:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Nov 09 00:25:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.221	49	1149329	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.674	114	2774978	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2357678	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1717328	9.899	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.774	85	26582	0.131	ppbv	92
3) Chlorodifluoromethane	2.722	51	17943m	0.106	ppbv	
4) Chloromethane	2.864	50	7297m	0.109	ppbv	
9) Propene	2.748	41	26801m	0.427	ppbv	
13) Ethanol	3.292	45	58732m	4.147	ppbv	
15) Acetone	3.523	43	194676	1.638	ppbv	97
19) Isopropyl Alcohol	3.636	45	36185m	0.473	ppbv	
20) Methylene Chloride	3.970	84	232494	4.698	ppbv	94
26) Hexane	5.243	57	372184	3.128	ppbv #	40
34) 2-Butanone	4.835	43	14776	0.118	ppbv #	86
36) Benzene	6.394	78	23530m	0.110	ppbv	
53) Toluene	9.230	91	36029	0.142	ppbv	94

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

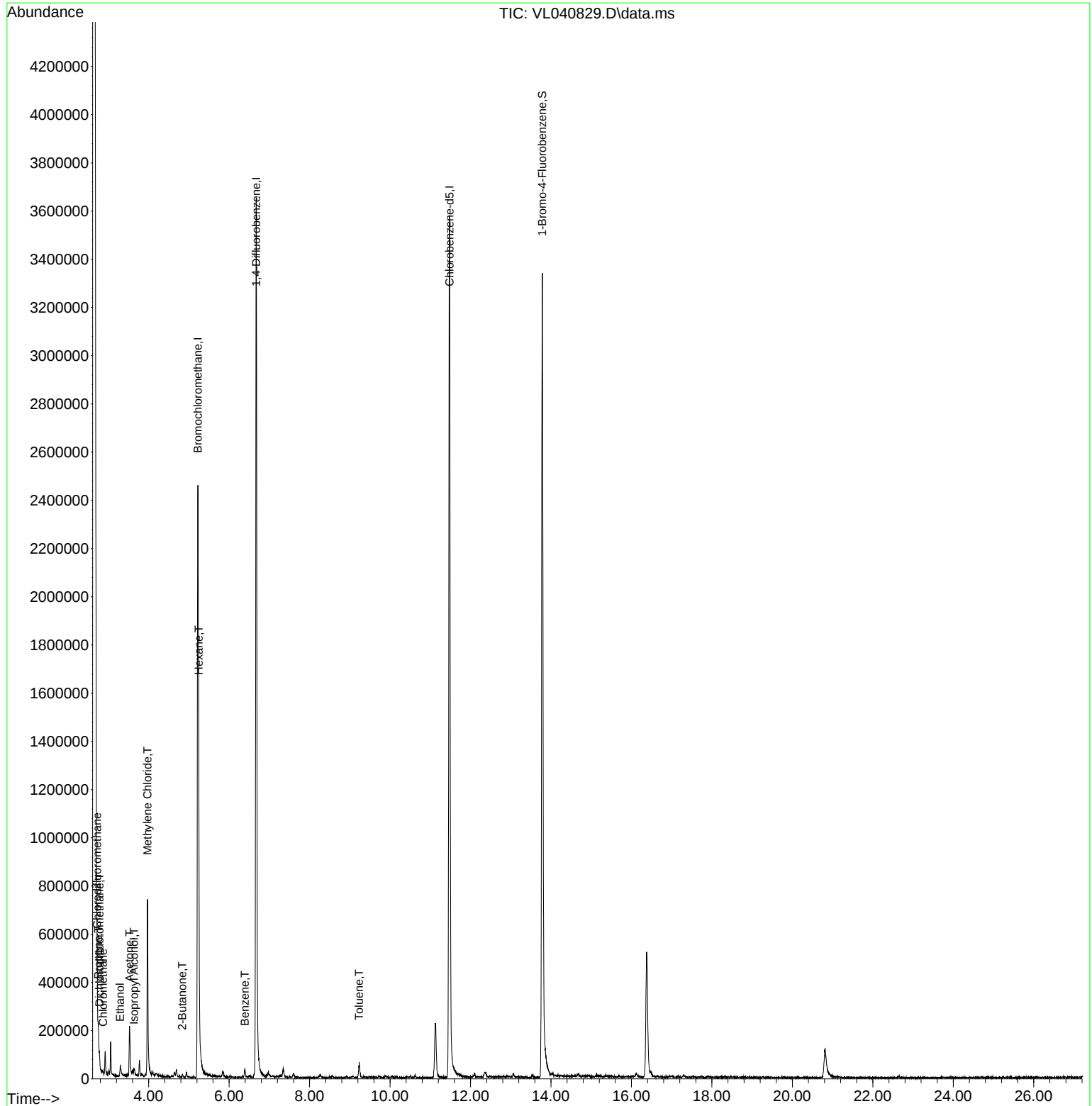
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
Data File : VL040829.D
Acq On : 9 Nov 2023 9:59
Operator : SY/MD
Sample : 05276-04DL 4X
Misc : 400mL/MSVOA_L
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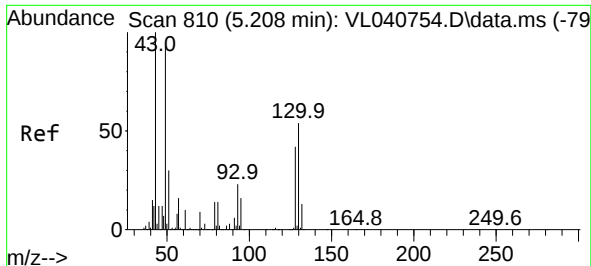
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL

Quant Time: Nov 10 04:50:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Nov 09 00:25:02 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

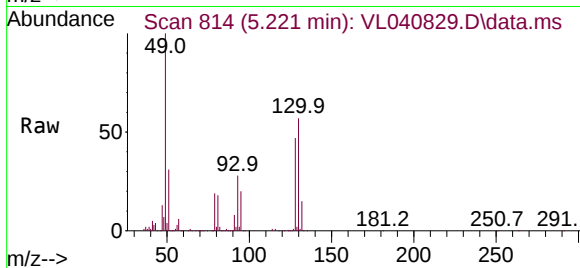
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

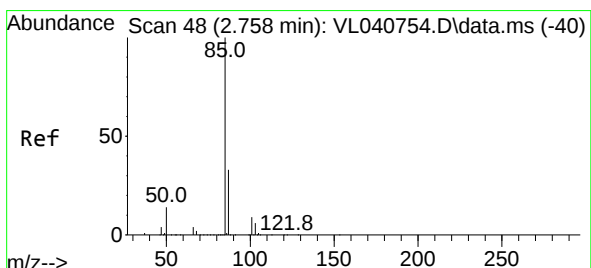
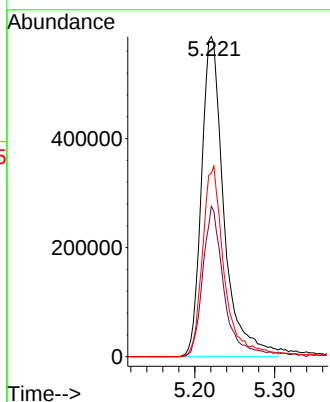
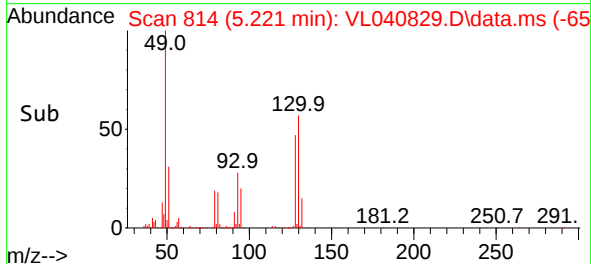
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL



Tgt Ion: 49 Resp: 1149329
Ion Ratio Lower Upper
49 100
128 45.6 23.9 71.7
130 59.2 30.7 92.1

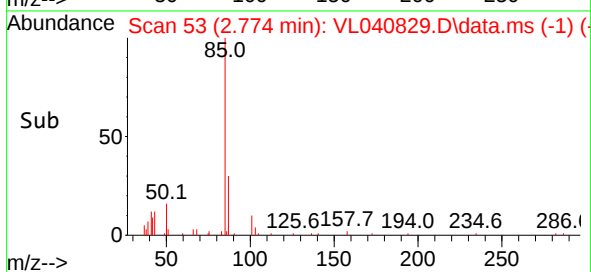
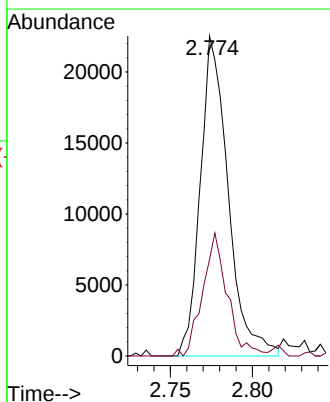
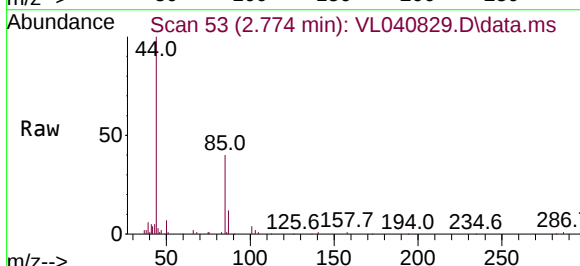
Manual Integrations
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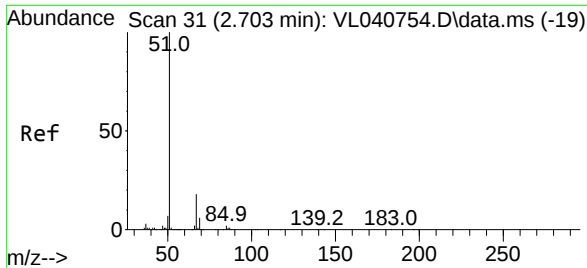
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#2
Dichlorodifluoromethane
Concen: 0.131 ppbv
RT: 2.774 min Scan# 53
Delta R.T. 0.003 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

Tgt Ion: 85 Resp: 26582
Ion Ratio Lower Upper
85 100
87 28.0 26.0 39.0





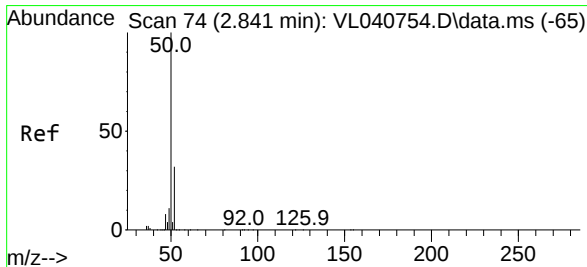
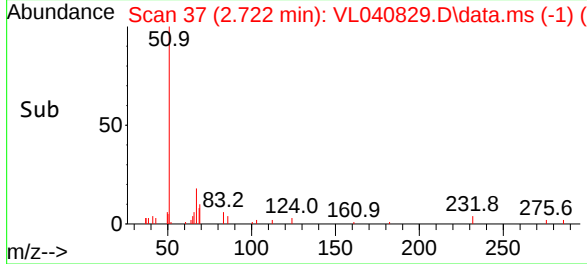
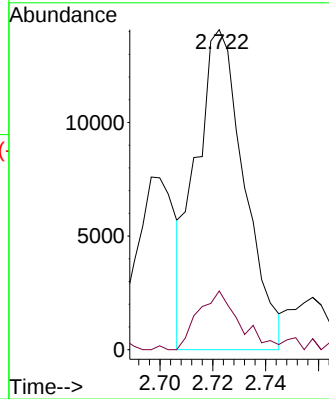
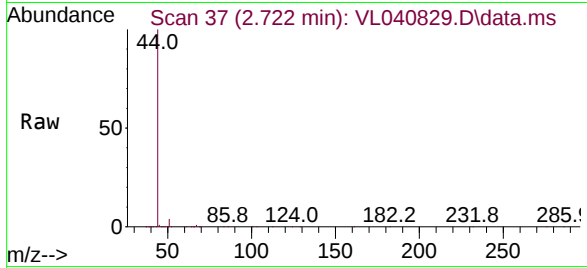
#3
Chlorodifluoromethane
Concen: 0.106 ppbv m
RT: 2.722 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL

Tgt Ion: 51 Resp: 1794
Ion Ratio Lower Upper
51 100
67 18.1 13.8 20.6

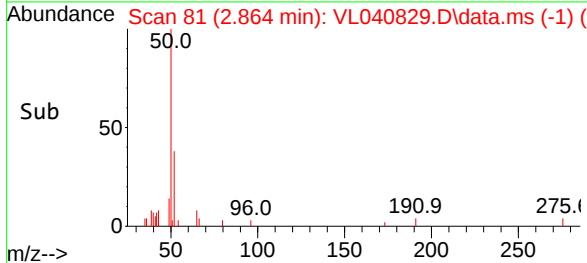
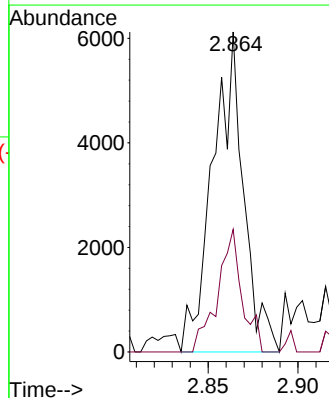
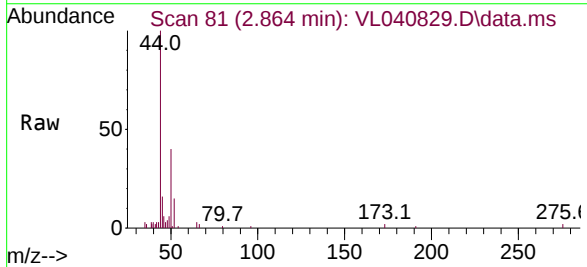
Manual Integrations
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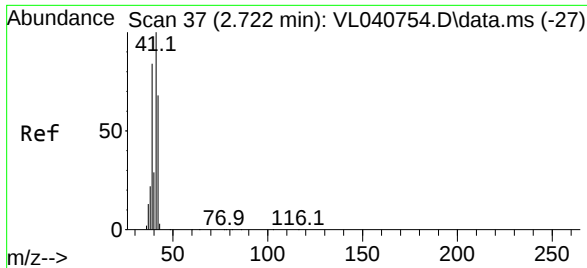
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#4
Chloromethane
Concen: 0.109 ppbv m
RT: 2.864 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

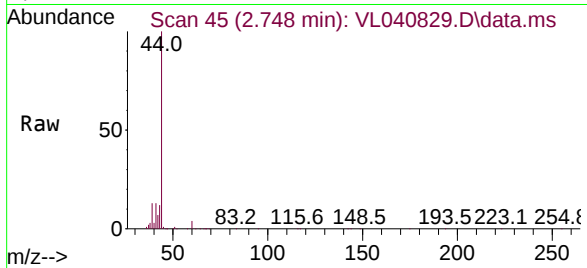
Tgt Ion: 50 Resp: 7297
Ion Ratio Lower Upper
50 100
52 38.3 25.3 37.9





#9
Propene
Concen: 0.427 ppbv m
RT: 2.748 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

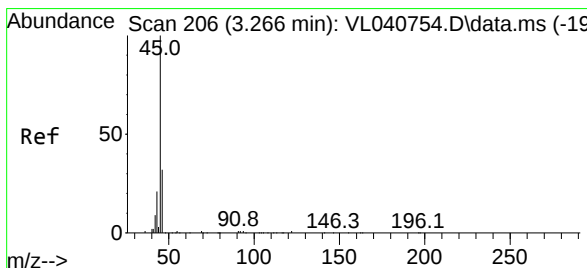
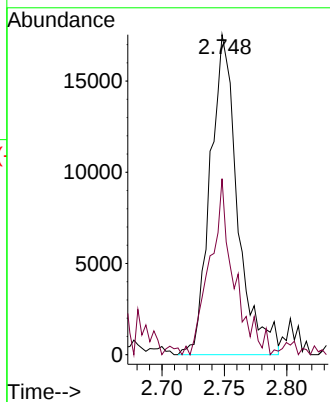
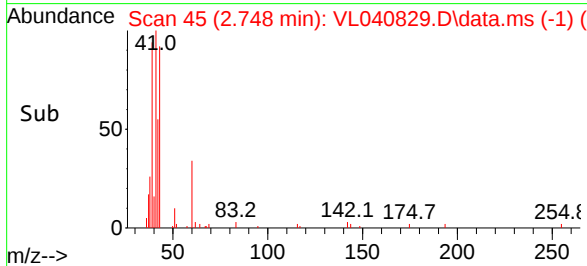
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL



Tgt Ion: 41 Resp: 2680
Ion Ratio Lower Upper
41 100
42 70.8 57.1 85.7

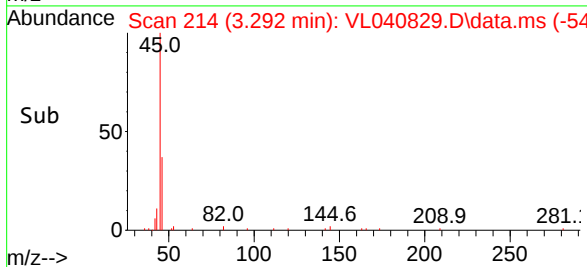
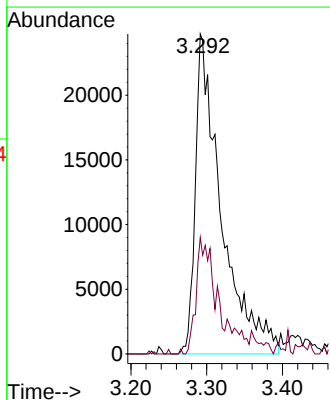
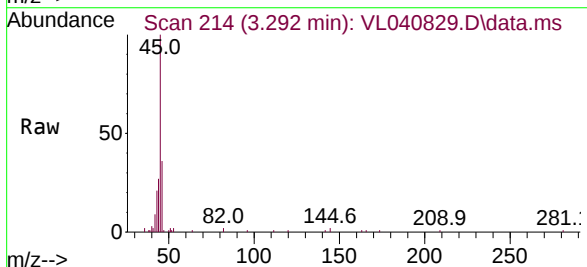
Manual Integrations
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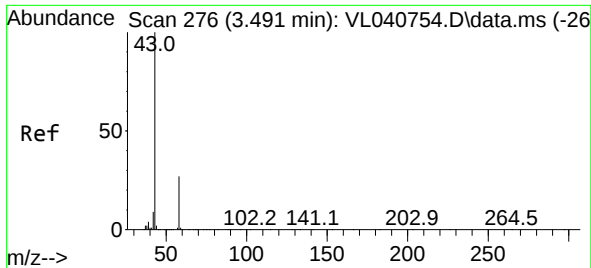
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#13
Ethanol
Concen: 4.147 ppbv m
RT: 3.292 min Scan# 214
Delta R.T. 0.013 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

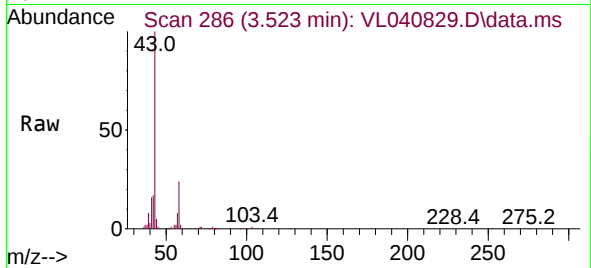
Tgt Ion: 45 Resp: 58732
Ion Ratio Lower Upper
45 100
46 35.4 14.6 58.2





#15
Acetone
Concen: 1.638 ppbv
RT: 3.523 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

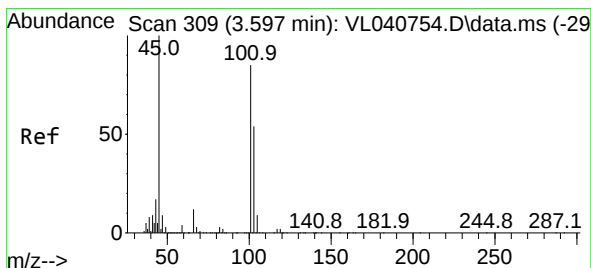
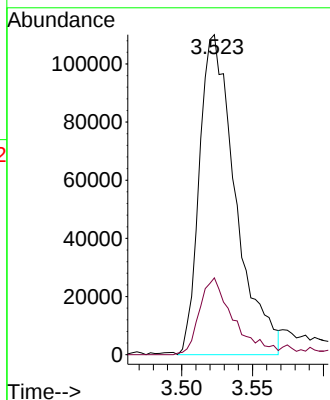
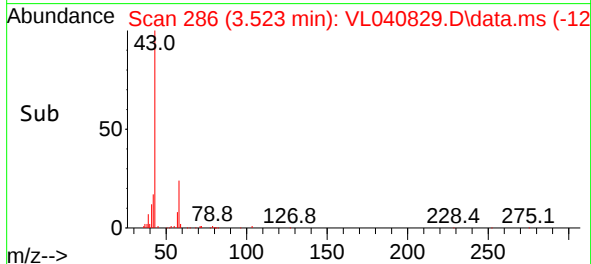
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL



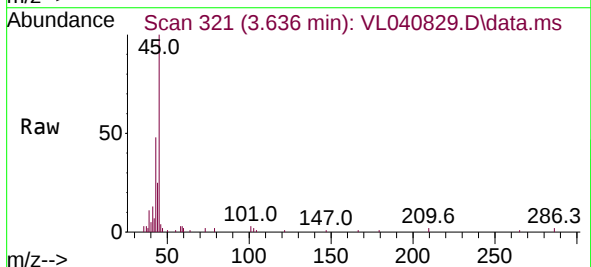
Tgt Ion: 43 Resp: 194670
Ion Ratio Lower Upper
43 100
58 25.3 21.6 32.4

Manual Integrations
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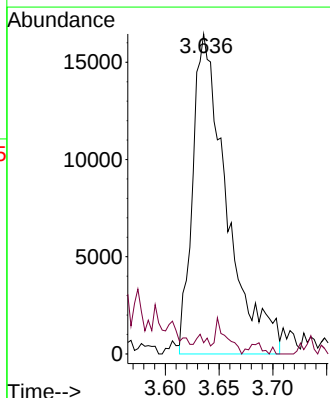
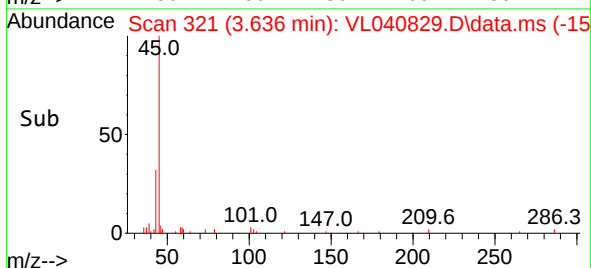
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

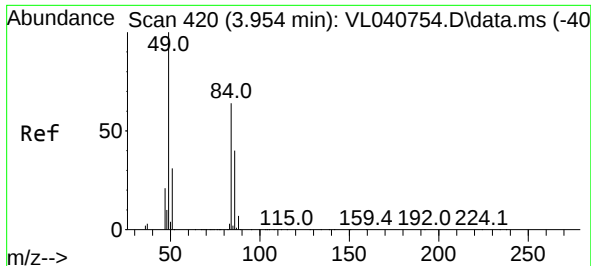


#19
Isopropyl Alcohol
Concen: 0.473 ppbv m
RT: 3.636 min Scan# 321
Delta R.T. 0.029 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59



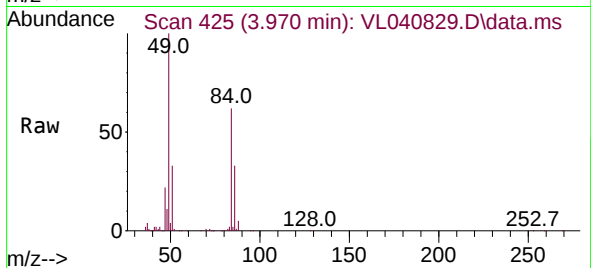
Tgt Ion: 45 Resp: 36185
Ion Ratio Lower Upper
45 100
58 7.0 30.3 45.5#





#20
Methylene Chloride
Concen: 4.698 ppbv
RT: 3.970 min Scan# 420
Delta R.T. 0.010 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

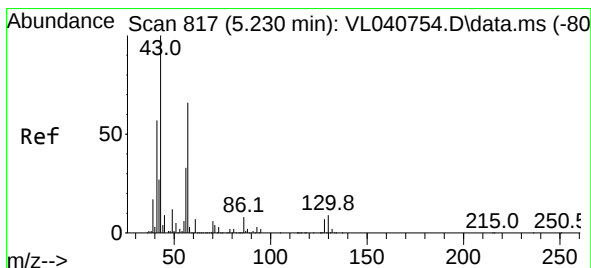
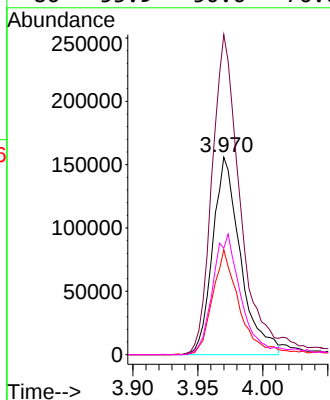
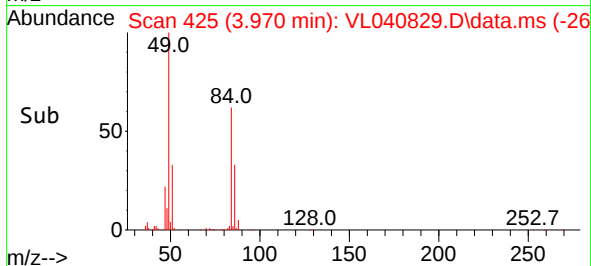
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL



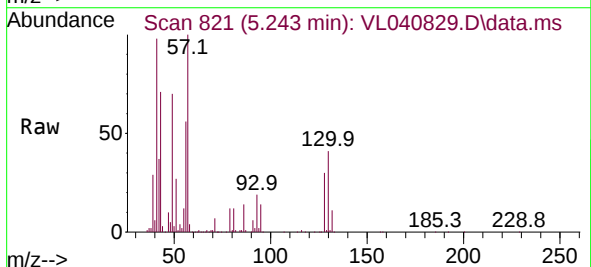
Tgt Ion: 84 Resp: 232494
Ion Ratio Lower Upper
84 100
49 162.0 125.6 188.4
51 52.8 38.9 58.3
86 53.9 50.6 76.0

Manual Integrations
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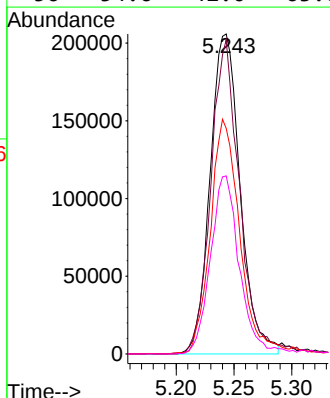
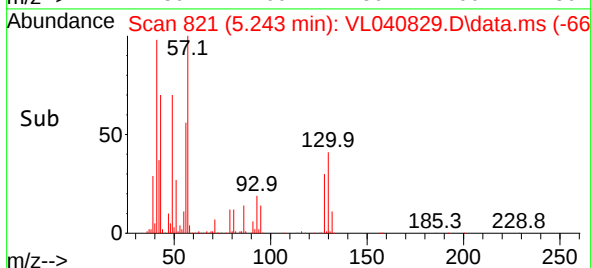
Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023

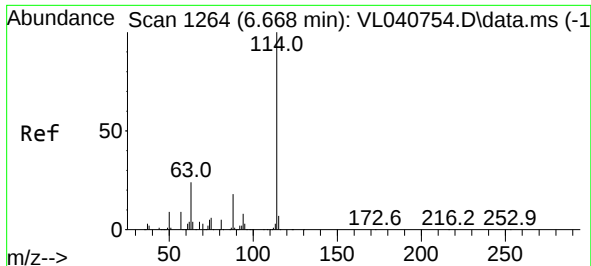


#26
Hexane
Concen: 3.128 ppbv
RT: 5.243 min Scan# 821
Delta R.T. 0.016 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59



Tgt Ion: 57 Resp: 372184
Ion Ratio Lower Upper
57 100
41 95.7 71.4 107.2
43 72.9 182.3 273.5#
56 54.6 42.0 63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. 0.010 min

Lab File: VL040829.D

Acq: 9 Nov 2023 9:59

Instrument :

MSVOA_L

ClientSampleId :

SH-IA-4DL

Tgt Ion:114 Resp: 2774978

Ion Ratio Lower Upper

114 100

63 25.5 19.8 29.6

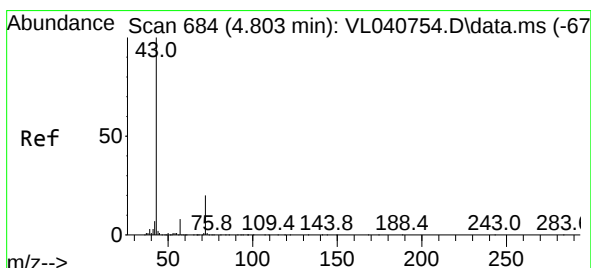
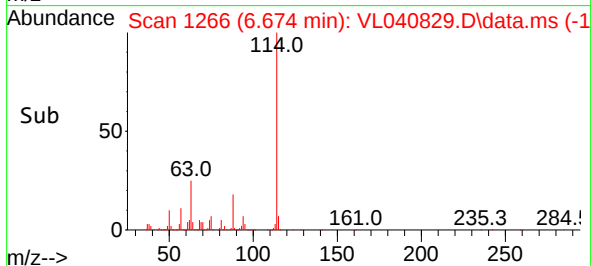
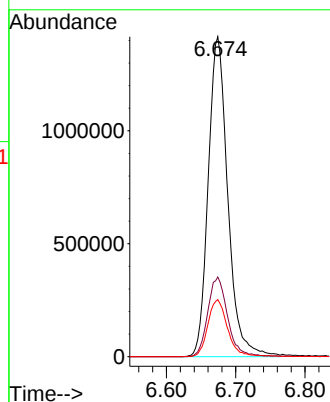
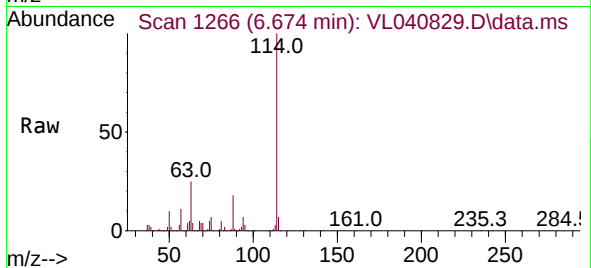
88 18.1 14.2 21.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/11/2023

Supervised By :Mahesh Dadoda 11/13/2023



#34

2-Butanone

Concen: 0.118 ppbv

RT: 4.835 min Scan# 694

Delta R.T. 0.029 min

Lab File: VL040829.D

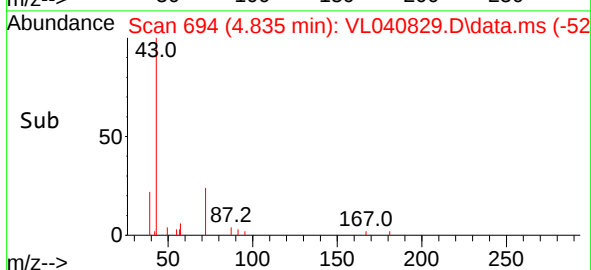
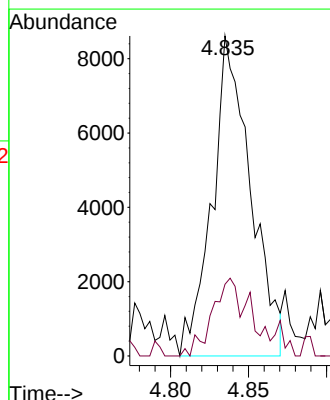
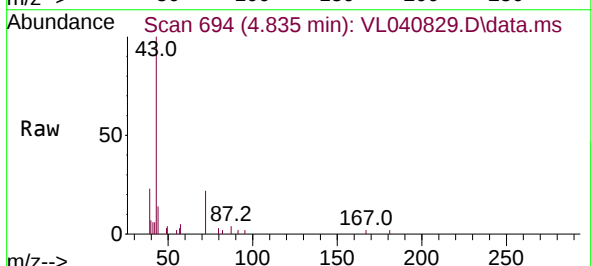
Acq: 9 Nov 2023 9:59

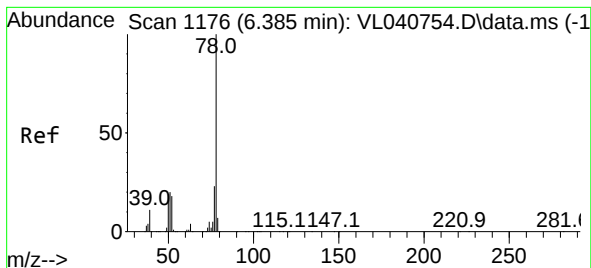
Tgt Ion: 43 Resp: 14776

Ion Ratio Lower Upper

43 100

72 27.3 16.8 25.2#





#36

Benzene

Concen: 0.110 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. 0.013 min

Lab File: VL040829.D

Acq: 9 Nov 2023 9:59

Instrument :

MSVOA_L

ClientSampleId :

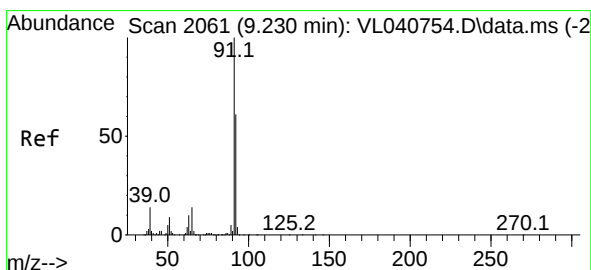
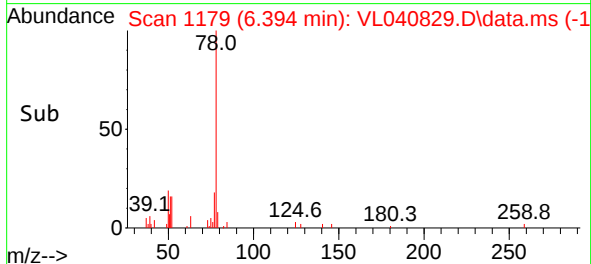
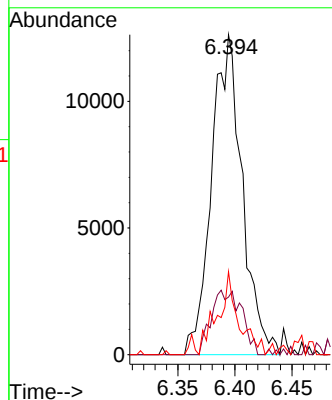
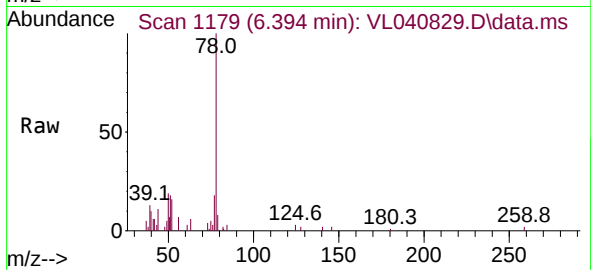
SH-IA-4DL

Tgt Ion: 78	Resp: 23530
Ion Ratio	Lower Upper
78 100	
77 18.0	18.4 27.6
50 18.7	15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#53

Toluene

Concen: 0.142 ppbv

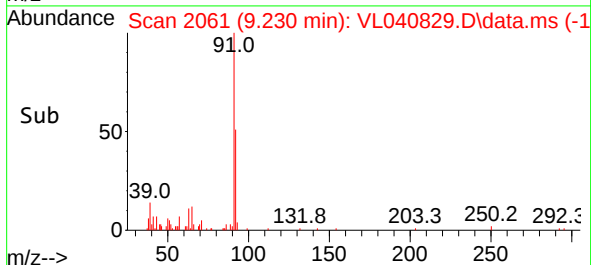
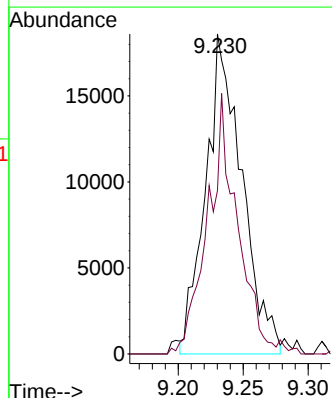
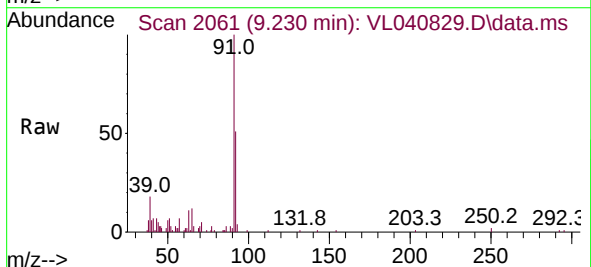
RT: 9.230 min Scan# 2061

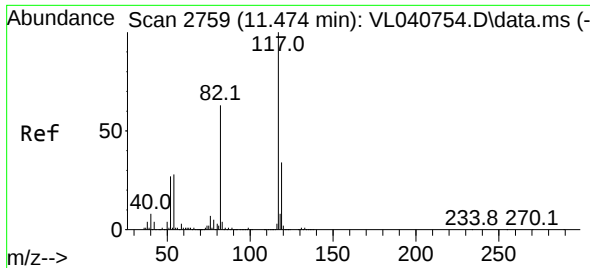
Delta R.T. 0.010 min

Lab File: VL040829.D

Acq: 9 Nov 2023 9:59

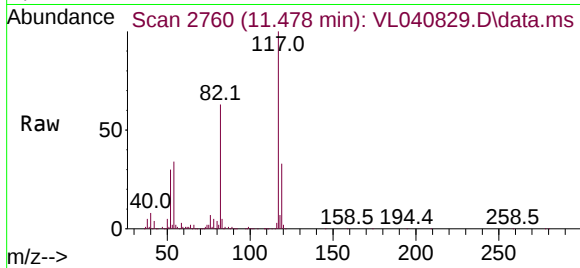
Tgt Ion: 91	Resp: 36029
Ion Ratio	Lower Upper
91 100	
92 67.4	50.2 75.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2759
Delta R.T. 0.016 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

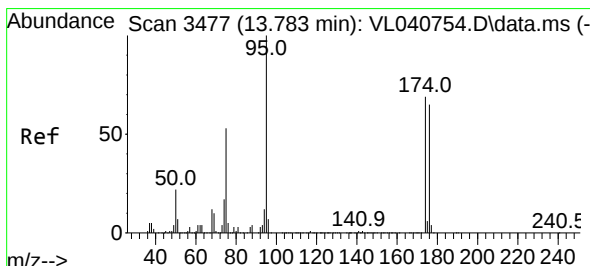
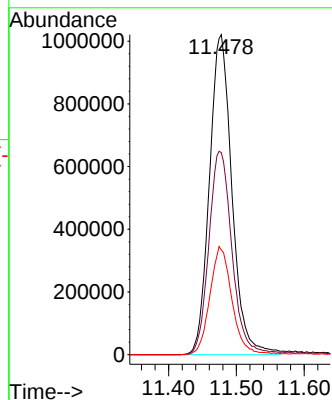
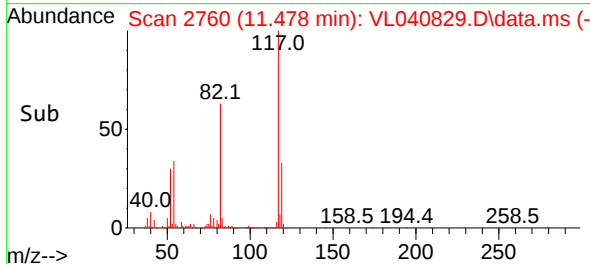
Instrument :
MSVOA_L
ClientSampleId :
SH-IA-4DL



Tgt Ion: 117 Resp: 2357678
Ion Ratio Lower Upper
117 100
82 66.6 46.6 70.0
119 33.7 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/11/2023
Supervised By :Mahesh Dadoda 11/13/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.899 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. 0.013 min
Lab File: VL040829.D
Acq: 9 Nov 2023 9:59

Tgt Ion: 95 Resp: 1717328
Ion Ratio Lower Upper
95 100
174 62.1 54.7 82.1
175 4.7 4.2 6.4

