

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040659.D
 Acq On : 5 Sep 2023 23:06
 Operator : SY/MD
 Sample : 04281-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
 Supervised By :Mahesh Dadoda 09/06/2023

Quant Time: Sep 06 02:08:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

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

QLast Update : Wed Aug 16 05:43:50 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	752639	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	1940678	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	1650708	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1348768	10.274	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	160046	0.987	ppbv	99
3) Chlorodifluoromethane	2.661	51	29819m	0.241	ppbv	
4) Chloromethane	2.803	50	21105	0.438	ppbv	90
9) Propene	2.690	41	17040	0.445	ppbv #	80
11) Trichlorofluoromethane	3.555	101	381683	2.916	ppbv	98
13) Ethanol	3.230	45	245077	22.934	ppbv	97
15) Acetone	3.455	43	698586	7.588	ppbv	99
20) Methylene Chloride	3.922	84	1329298	29.548	ppbv	95
26) Hexane	5.208	57	701290	8.383	ppbv #	40
34) 2-Butanone	4.783	43	27047	0.276	ppbv	91
35) Carbon Tetrachloride	6.487	117	8478m	0.070	ppbv	
36) Benzene	6.368	78	13565m	0.088	ppbv	
53) Toluene	9.217	91	17220	0.105	ppbv	99

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

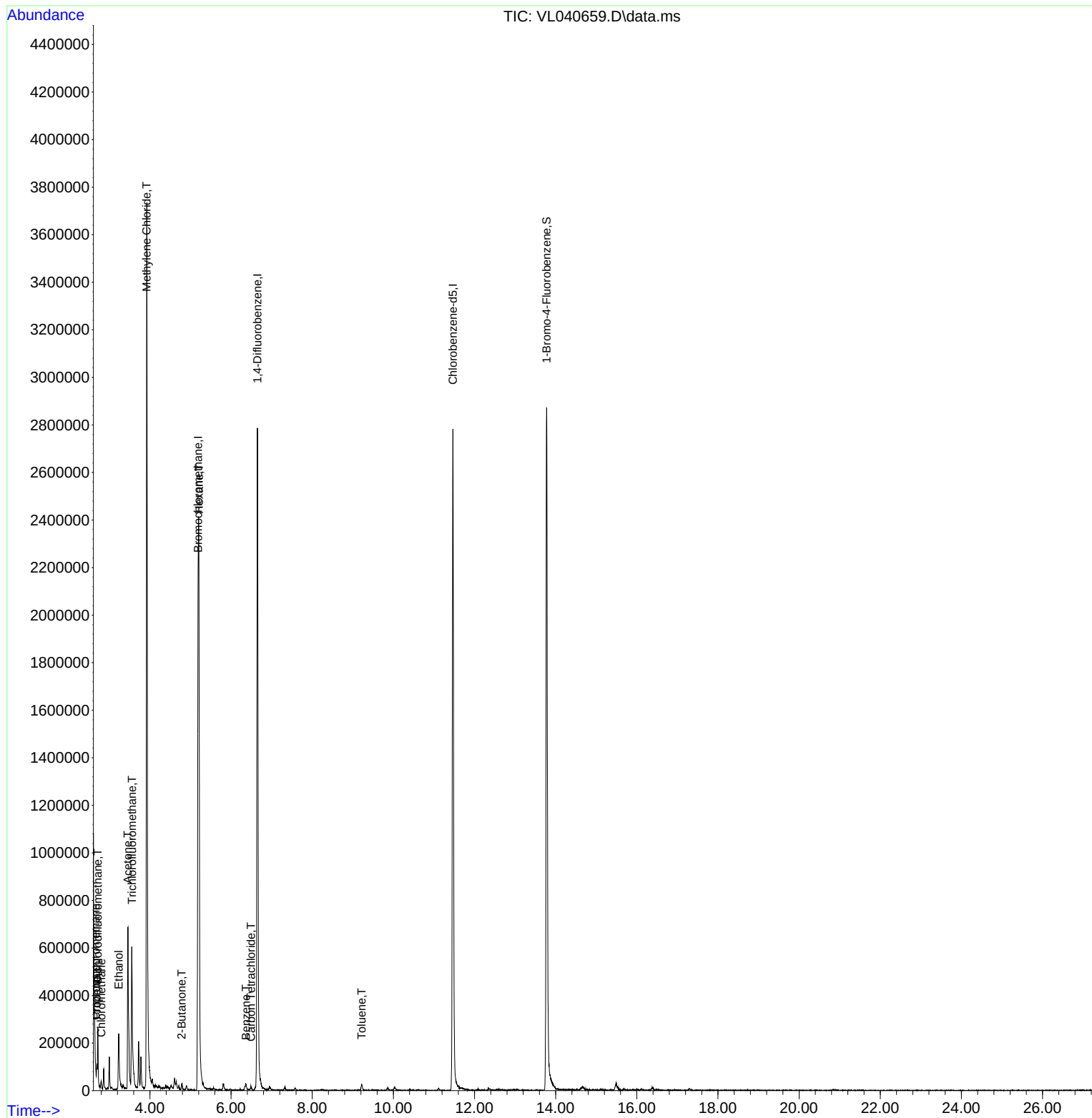
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040659.D
Acq On : 5 Sep 2023 23:06
Operator : SY/MD
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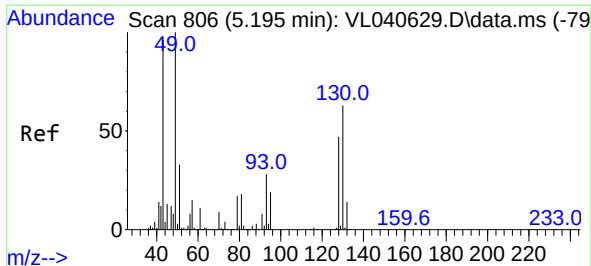
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Sep 06 02:08:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Aug 16 05:43:50 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

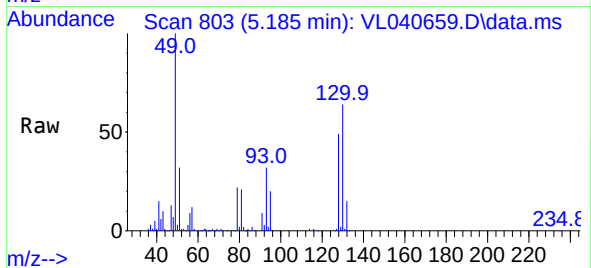
Reviewed By : Semsettin Yesilyurt 09/06/2023
Supervised By : Mahesh Dadoda 09/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

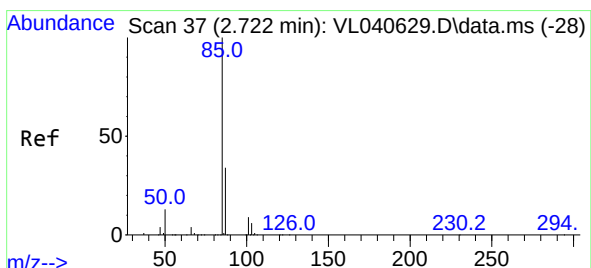
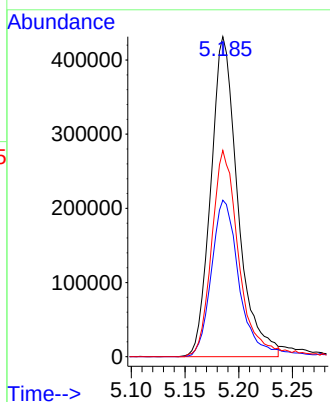
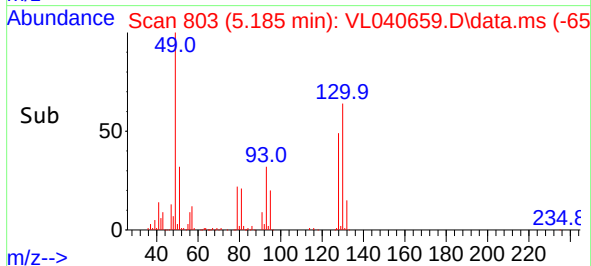
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 752639
Ion Ratio Lower Upper
49 100
128 52.3 24.9 74.7
130 66.9 32.2 96.6

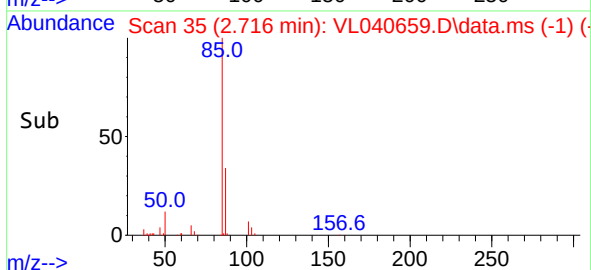
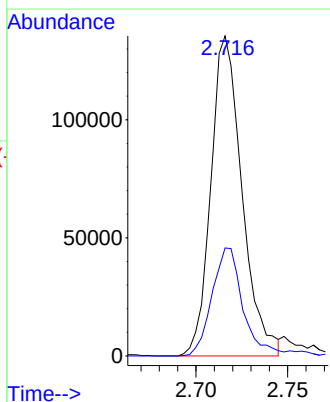
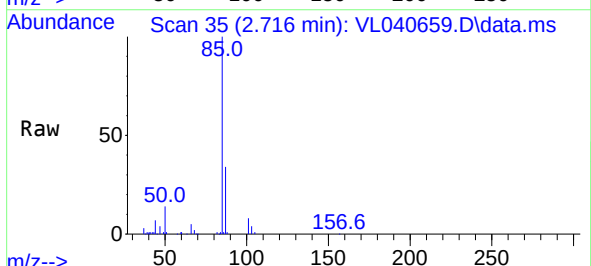
Manual Integrations
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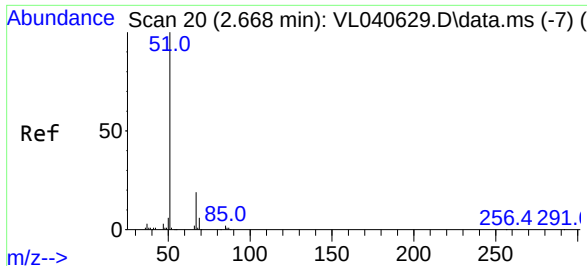
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#2
Dichlorodifluoromethane
Concen: 0.987 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.007 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

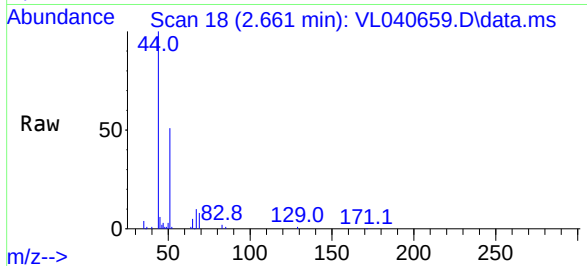
Tgt Ion: 85 Resp: 160046
Ion Ratio Lower Upper
85 100
87 33.8 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.241 ppbv m
RT: 2.661 min Scan# 18
Delta R.T. -0.007 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

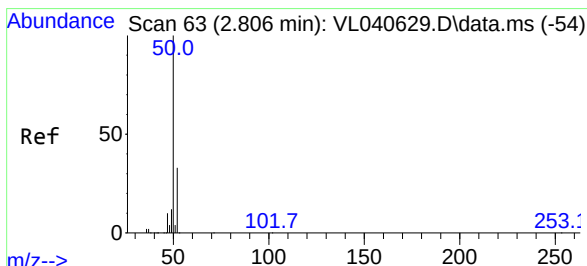
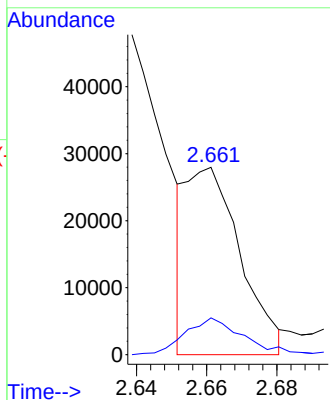
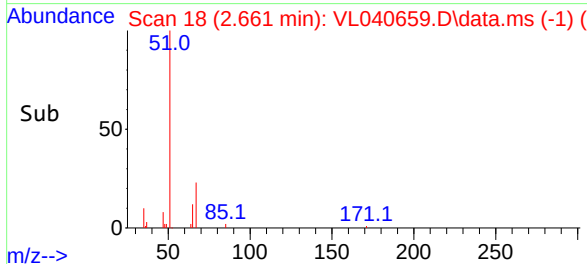
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 51 Resp: 29819
Ion Ratio Lower Upper
51 100
67 22.0 15.0 22.6

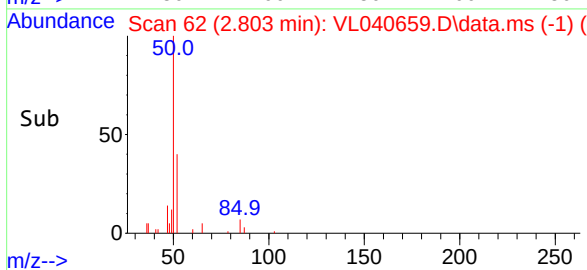
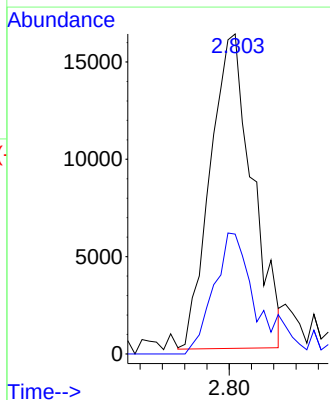
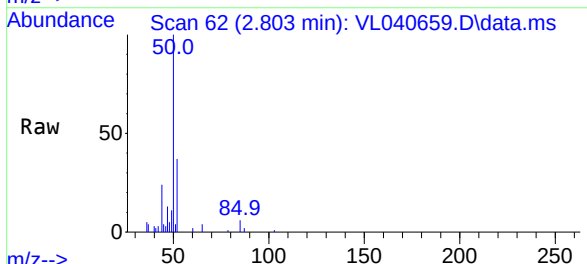
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

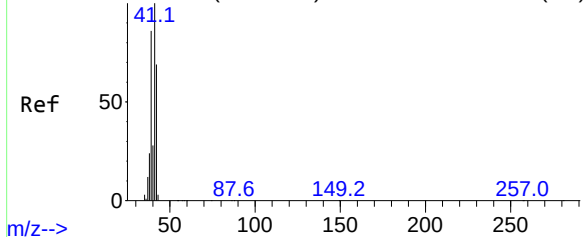


#4
Chloromethane
Concen: 0.438 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.003 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

Tgt Ion: 50 Resp: 21105
Ion Ratio Lower Upper
50 100
52 38.2 26.2 39.2



Abundance Scan 26 (2.687 min): VL040629.D\data.ms (-17)



#9

Propene

Concen: 0.445 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040659.D

Acq: 5 Sep 2023 23:06

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 41 Resp: 17040

Ion Ratio Lower Upper

41 100

42 53.8 56.5 84.7

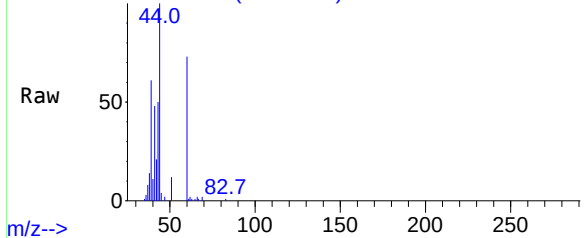
Manual Integrations

APPROVED

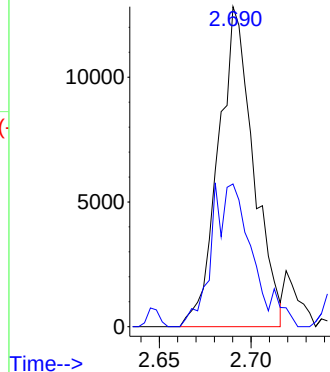
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

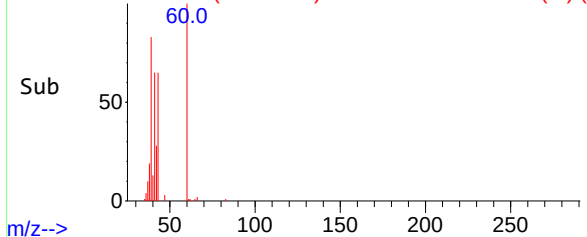
Abundance Scan 27 (2.690 min): VL040659.D\data.ms



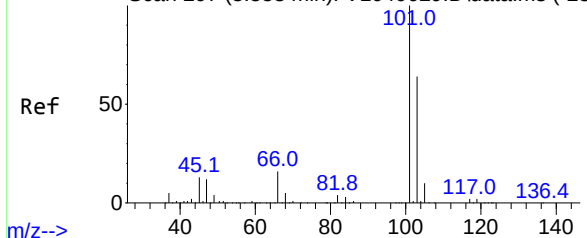
Abundance



Abundance Scan 27 (2.690 min): VL040659.D\data.ms (-1)



Abundance Scan 297 (3.558 min): VL040629.D\data.ms (-28)



#11

Trichlorofluoromethane

Concen: 2.916 ppbv

RT: 3.555 min Scan# 296

Delta R.T. -0.003 min

Lab File: VL040659.D

Acq: 5 Sep 2023 23:06

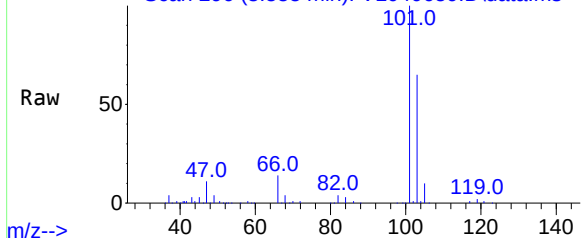
Tgt Ion:101 Resp: 381683

Ion Ratio Lower Upper

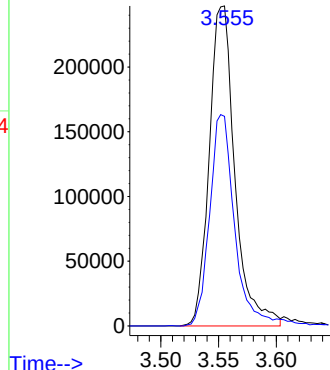
101 100

103 65.5 51.1 76.7

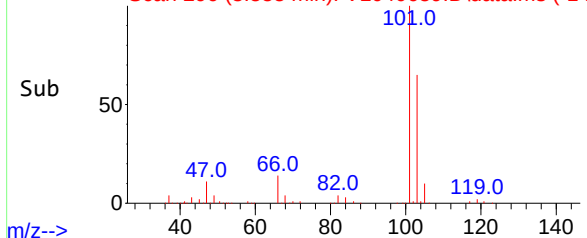
Abundance Scan 296 (3.555 min): VL040659.D\data.ms

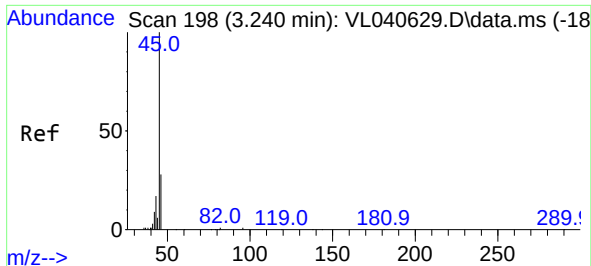


Abundance



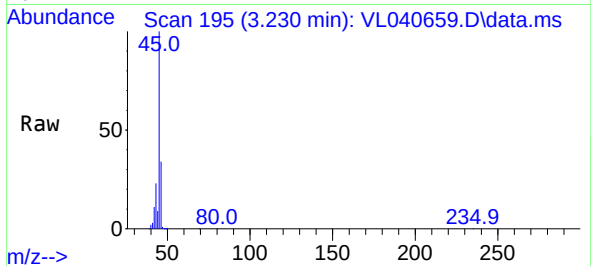
Abundance Scan 296 (3.555 min): VL040659.D\data.ms (-14)





#13
Ethanol
Concen: 22.934 ppbv
RT: 3.230 min Scan# 198
Delta R.T. -0.010 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

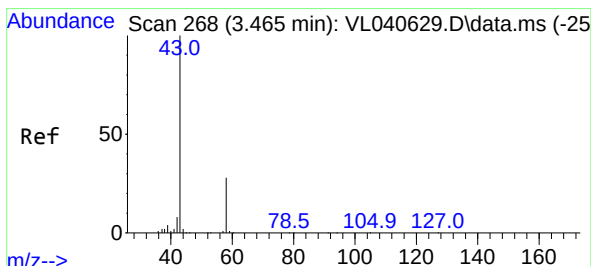
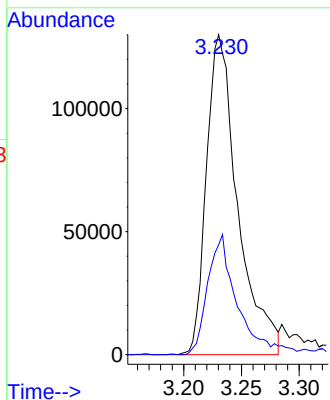
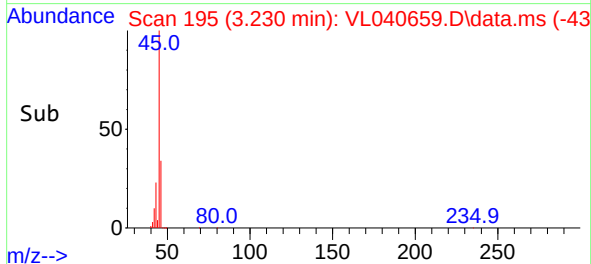
Instrument :
MSVOA_L
ClientSampleId :
IA2



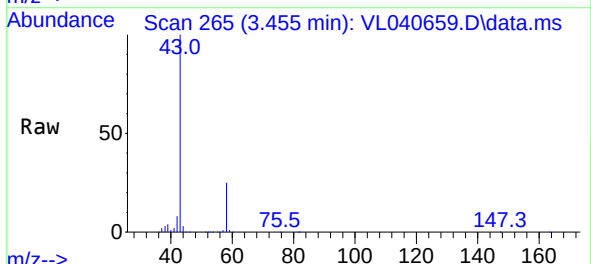
Tgt Ion: 45 Resp: 245072
Ion Ratio Lower Upper
45 100
46 37.1 14.2 56.6

Manual Integrations
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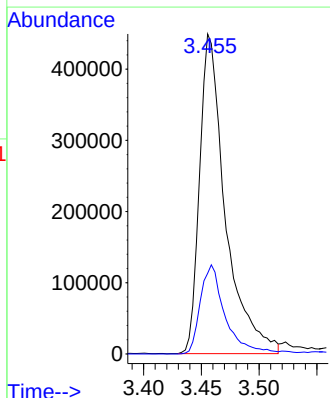
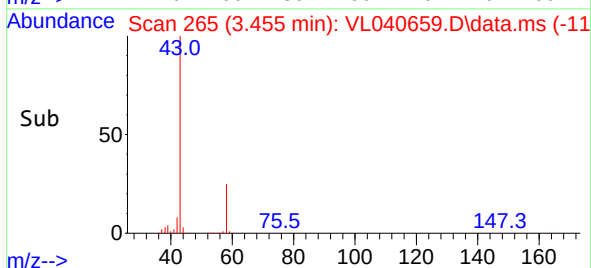
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

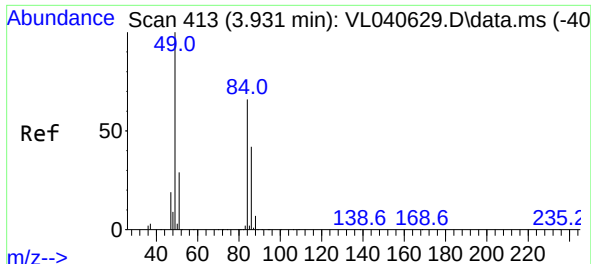


#15
Acetone
Concen: 7.588 ppbv
RT: 3.455 min Scan# 265
Delta R.T. -0.010 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06



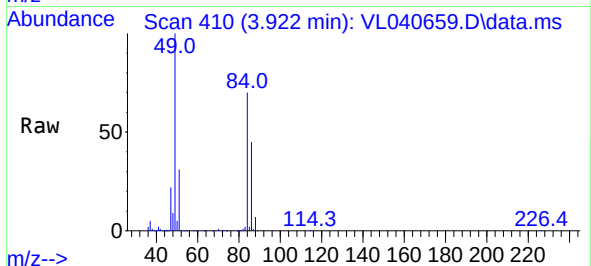
Tgt Ion: 43 Resp: 698586
Ion Ratio Lower Upper
43 100
58 27.3 22.4 33.6





#20
Methylene Chloride
Concen: 29.548 ppbv
RT: 3.922 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

Instrument :
MSVOA_L
ClientSampleId :
IA2

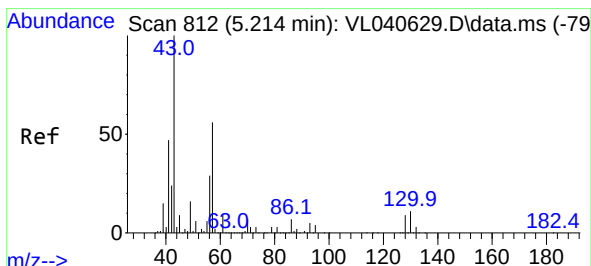
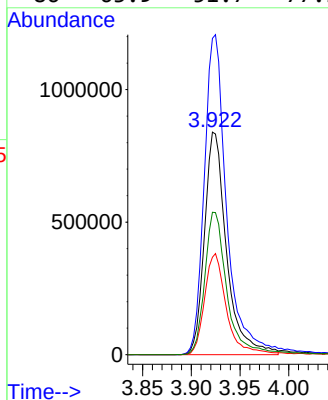
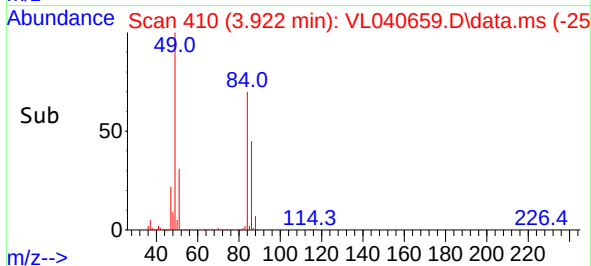


Tgt Ion: 84 Resp: 1329298

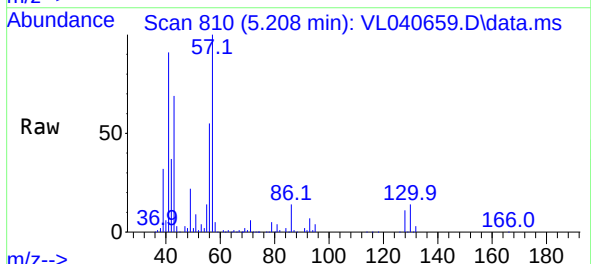
Ion	Ratio	Lower	Upper
84	100		
49	142.1	122.1	183.1
51	43.7	35.4	53.2
86	63.9	51.7	77.5

Manual Integrations
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Supervised By :Mahesh Dadoda 09/06/2023

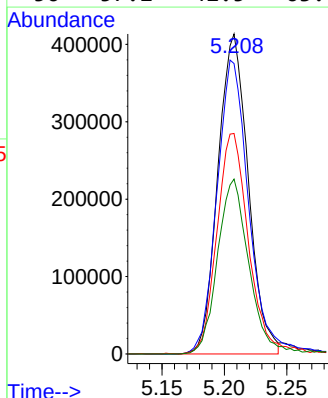
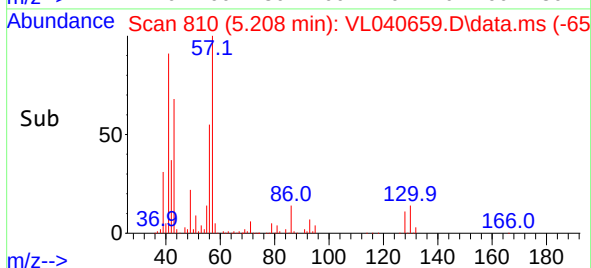


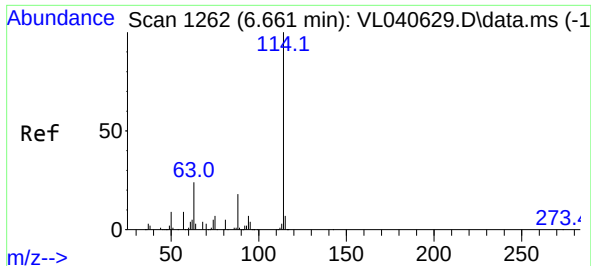
#26
Hexane
Concen: 8.383 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.007 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06



Tgt Ion: 57 Resp: 701290

Ion	Ratio	Lower	Upper
57	100		
41	97.4	69.3	103.9
43	72.7	177.9	266.9#
56	57.2	42.5	63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040659.D

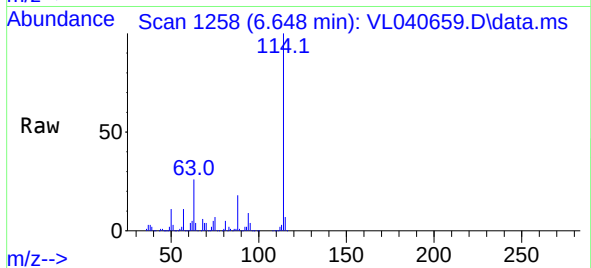
Acq: 5 Sep 2023 23:06

Instrument :

MSVOA_L

ClientSampleId :

IA2



Tgt Ion:114 Resp: 1940678

Ion Ratio Lower Upper

114 100

63 26.2 20.2 30.2

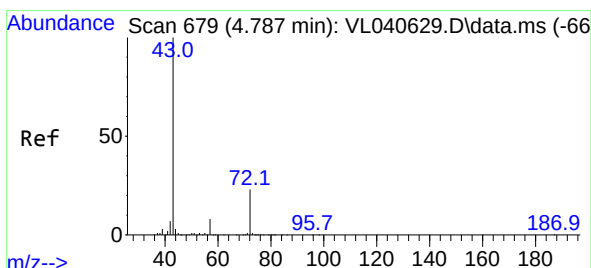
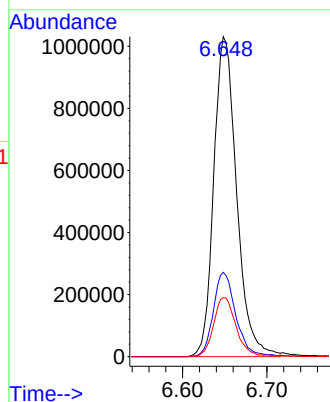
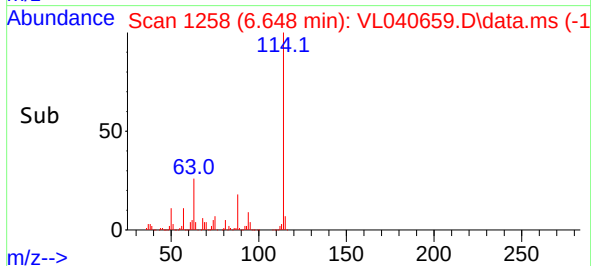
88 18.4 14.1 21.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#34

2-Butanone

Concen: 0.276 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.003 min

Lab File: VL040659.D

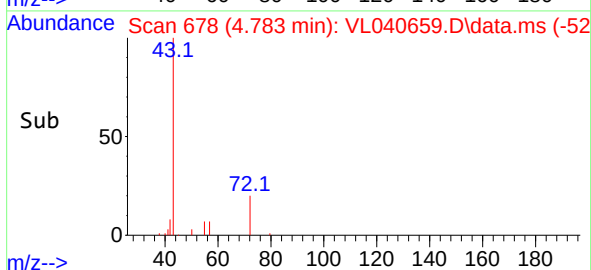
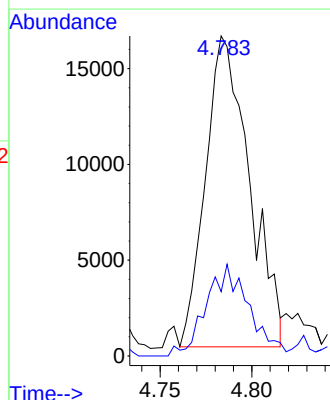
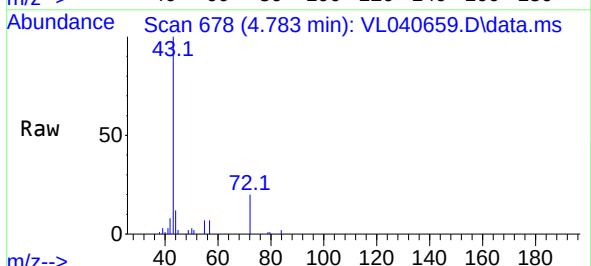
Acq: 5 Sep 2023 23:06

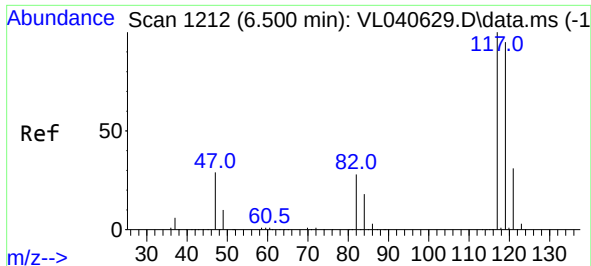
Tgt Ion: 43 Resp: 27047

Ion Ratio Lower Upper

43 100

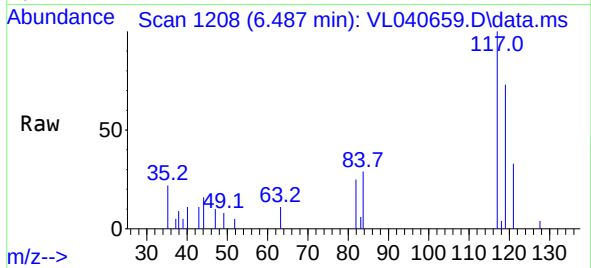
72 28.4 19.2 28.8





#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 6.487 min Scan# 1170
Delta R.T. -0.013 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

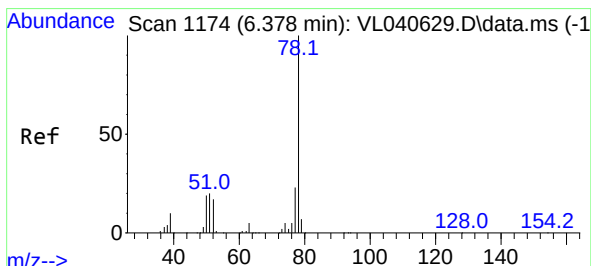
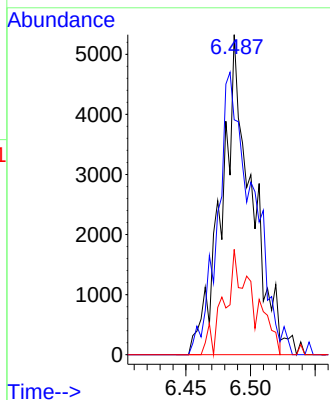
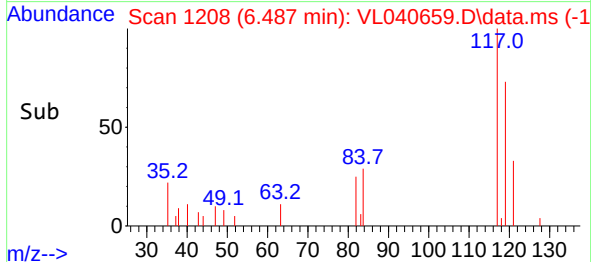
Instrument :
MSVOA_L
ClientSampleId :
IA2



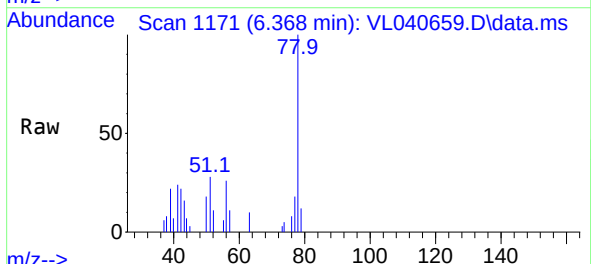
Tgt Ion: 117 Resp: 8478
Ion Ratio Lower Upper
117 100
119 73.4 75.6 113.4
121 32.9 24.9 37.3

Manual Integrations
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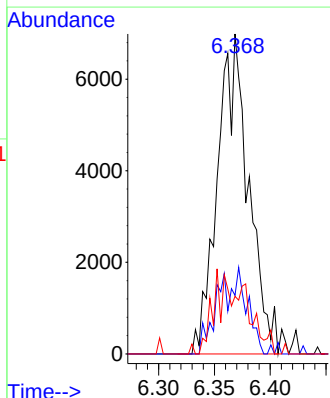
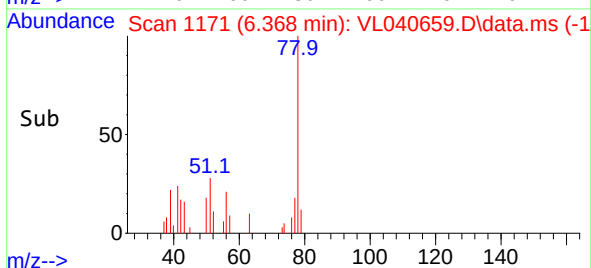
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

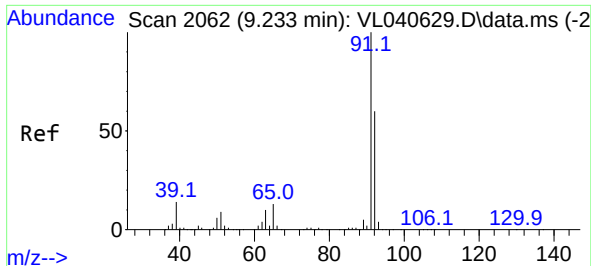


#36
Benzene
Concen: 0.088 ppbv m
RT: 6.368 min Scan# 1171
Delta R.T. -0.010 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06



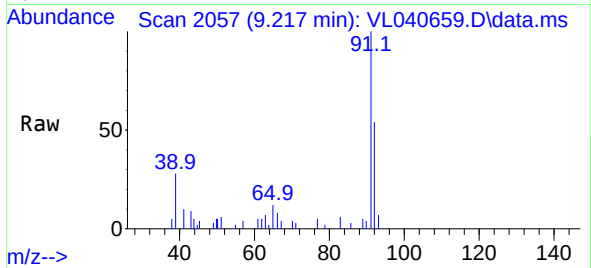
Tgt Ion: 78 Resp: 13565
Ion Ratio Lower Upper
78 100
77 18.3 18.2 27.2
50 18.0 15.0 22.6





#53
Toluene
Concen: 0.105 ppbv
RT: 9.217 min Scan# 2062
Delta R.T. -0.016 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06

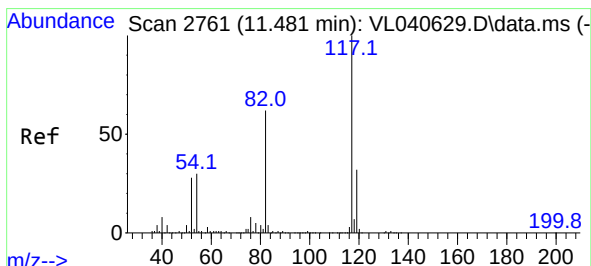
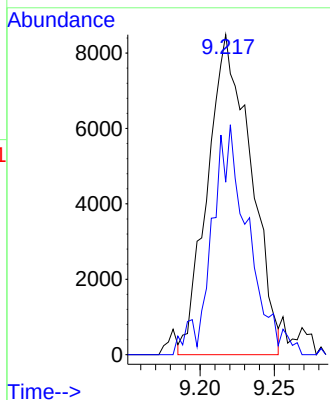
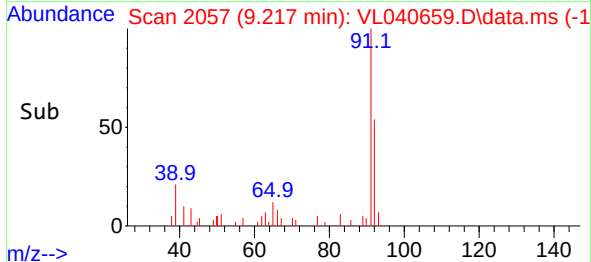
Instrument :
MSVOA_L
ClientSampleId :
IA2



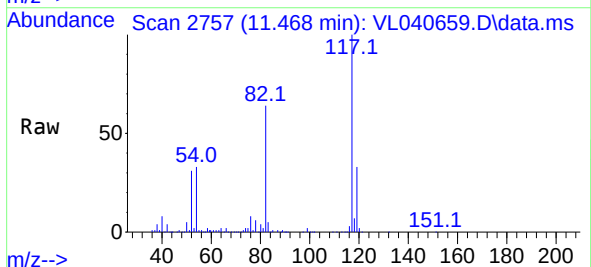
Tgt Ion: 91 Resp: 17220
Ion Ratio Lower Upper
91 100
92 60.8 48.0 72.0

Manual Integrations
APPROVED

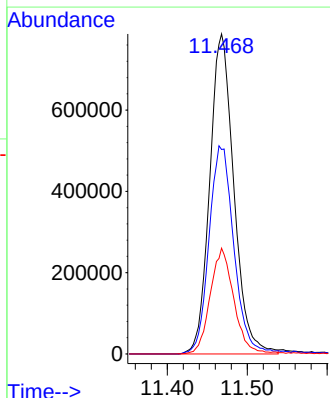
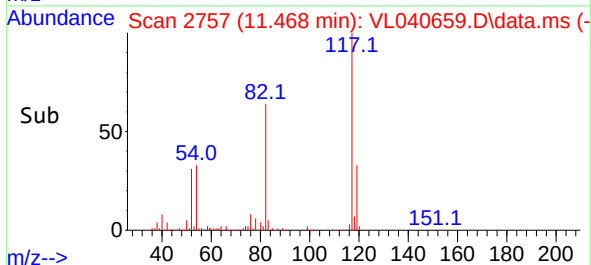
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

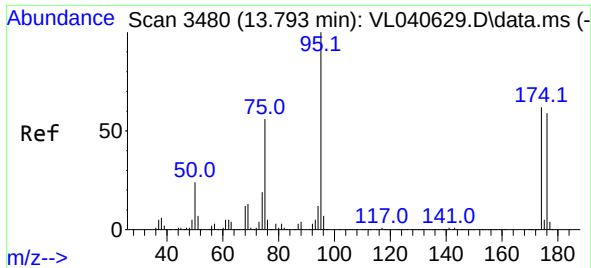


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.013 min
Lab File: VL040659.D
Acq: 5 Sep 2023 23:06



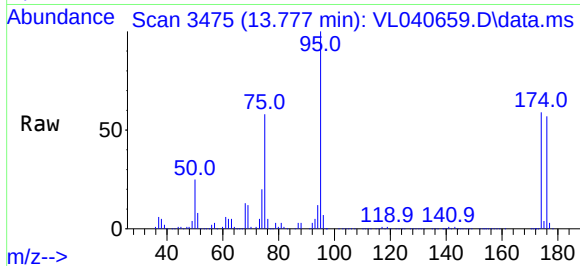
Tgt Ion:117 Resp: 1650708
Ion Ratio Lower Upper
117 100
82 68.4 49.5 74.3
119 32.3 24.5 36.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.274 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. -0.016 min
 Lab File: VL040659.D
 Acq: 5 Sep 2023 23:06

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2



Tgt Ion: 95 Resp: 1348768
 Ion Ratio Lower Upper
 95 100
 174 63.3 49.1 73.7
 175 4.4 3.7 5.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023
 Supervised By :Mahesh Dadoda 09/06/2023

