

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040652.D
 Acq On : 5 Sep 2023 18:14
 Operator : SY/MD
 Sample : 04261-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 02:07:00 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	5.192	49	755347	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	1986688	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1659956	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1289483	9.768	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	63964	0.393	ppbv	98
3) Chlorodifluoromethane	2.674	51	56306	0.454	ppbv	94
4) Chloromethane	2.809	50	29400	0.608	ppbv #	82
9) Propene	2.703	41	30550m	0.795	ppbv	
11) Trichlorofluoromethane	3.558	101	34047	0.259	ppbv	97
13) Ethanol	3.234	45	759870	70.852	ppbv	98
15) Acetone	3.465	43	1014243	10.978	ppbv	97
19) Isopropyl Alcohol	3.574	45	389471	6.648	ppbv #	96
20) Methylene Chloride	3.935	84	527865	11.692	ppbv	94
26) Hexane	5.214	57	502413	5.985	ppbv #	40
29) Chloroform	5.272	83	57696	0.434	ppbv	90
34) 2-Butanone	4.787	43	31705	0.316	ppbv	95
35) Carbon Tetrachloride	6.497	117	10791	0.087	ppbv #	67
36) Benzene	6.365	78	48654m	0.308	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	44082m	0.173	ppbv	
52) Tetrachloroethene	10.619	164	3980m	0.080	ppbv	
53) Toluene	9.224	91	96390	0.574	ppbv	93
58) Ethyl Benzene	12.089	91	15467m	0.077	ppbv	
59) m/p-Xylene	12.343	91	42538m	0.233	ppbv	
60) o-Xylene	13.053	91	16240m	0.094	ppbv	
76) 1,4-Dichlorobenzene	16.481	146	28900m	0.251	ppbv	

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

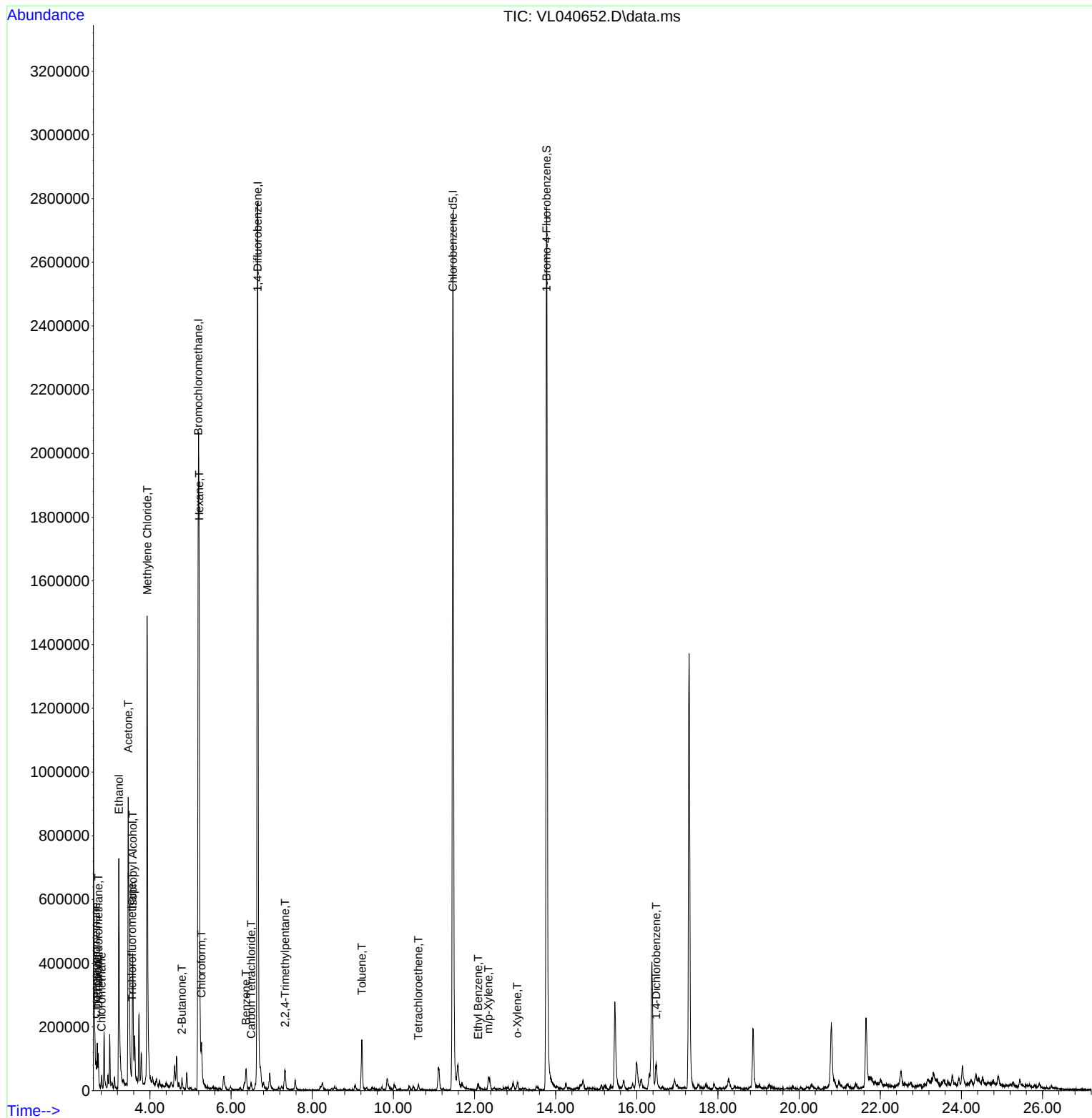
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
Data File : VL040652.D
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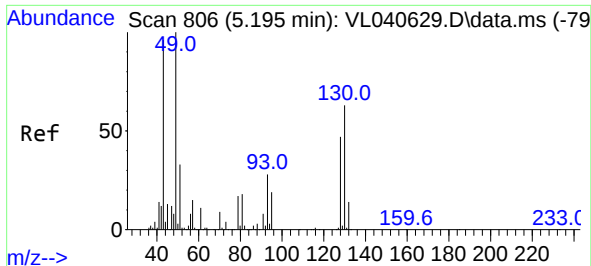
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Sep 06 02:07:00 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

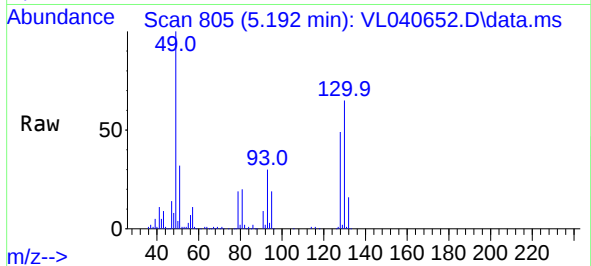
Reviewed By : Semsettin Yesilyurt 09/06/2023
Supervised By : Mahesh Dadoda 09/06/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

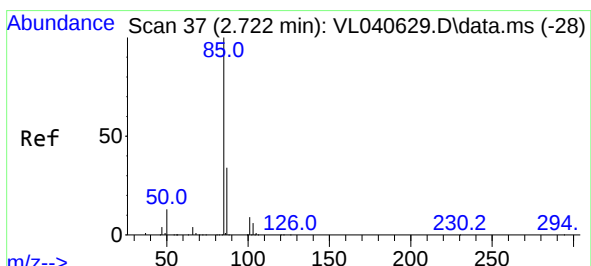
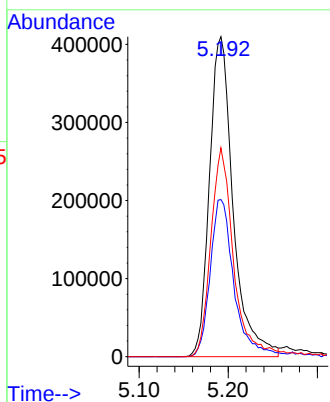
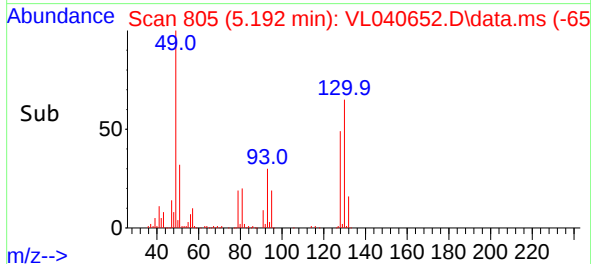
Instrument :
MSVOA_L
ClientSampleId :
IA1



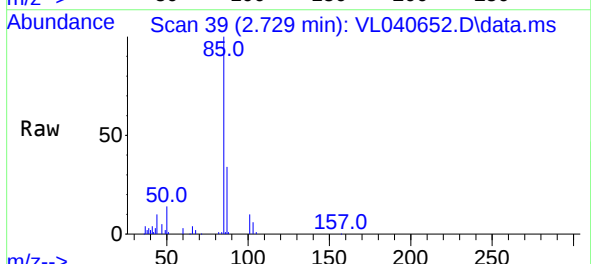
Tgt Ion: 49 Resp: 75534
Ion Ratio Lower Upper
49 100
128 50.4 24.9 74.7
130 63.8 32.2 96.6

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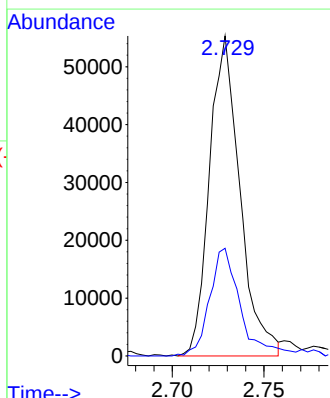
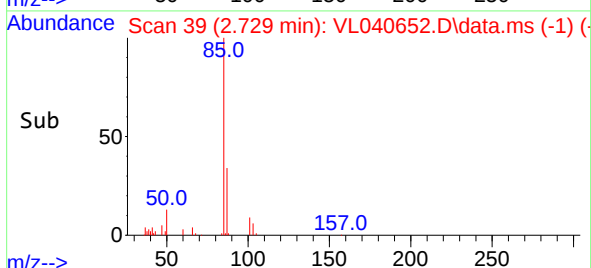
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

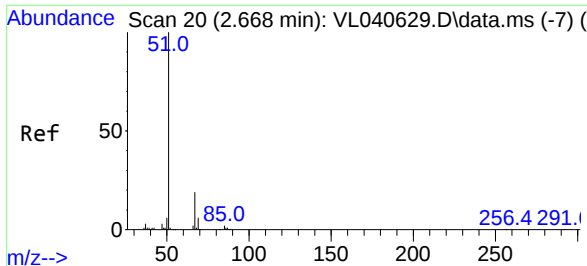


#2
Dichlorodifluoromethane
Concen: 0.393 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.006 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14



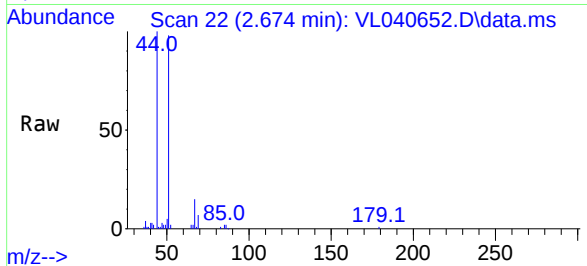
Tgt Ion: 85 Resp: 63964
Ion Ratio Lower Upper
85 100
87 33.1 27.5 41.3





#3
Chlorodifluoromethane
Concen: 0.454 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

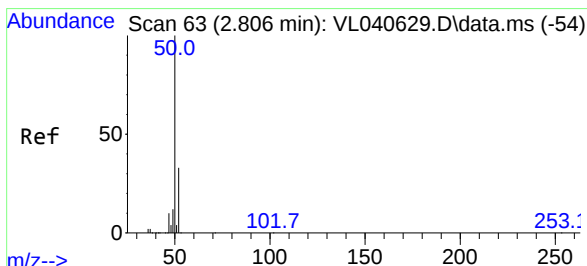
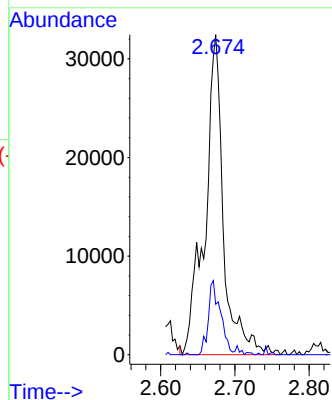
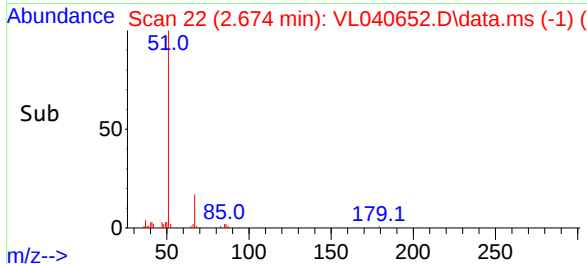
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 51 Resp: 56300
Ion Ratio Lower Upper
51 100
67 16.1 15.0 22.6

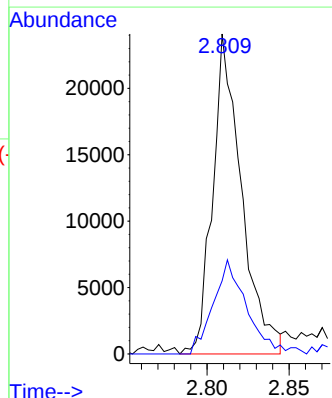
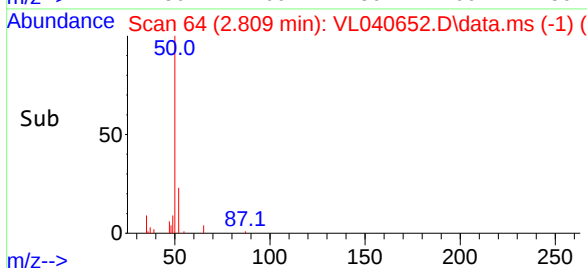
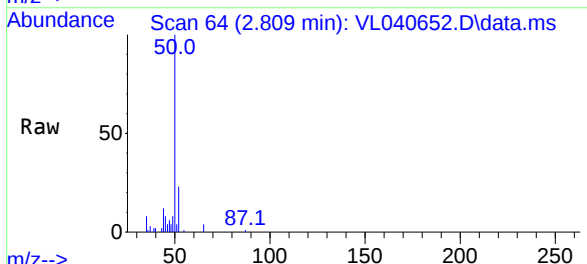
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Supervised By :Mahesh Dadoda 09/06/2023

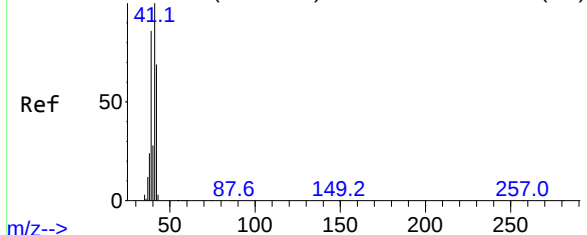


#4
Chloromethane
Concen: 0.608 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

Tgt Ion: 50 Resp: 29400
Ion Ratio Lower Upper
50 100
52 22.8 26.2 39.2#



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



#9

Propene

Concen: 0.795 ppbv m

RT: 2.703 min Scan# 31

Delta R.T. 0.016 min

Lab File: VL040652.D

Acq: 5 Sep 2023 18:14

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 30550

Ion Ratio Lower Upper

41 100

42 61.6 56.5 84.7

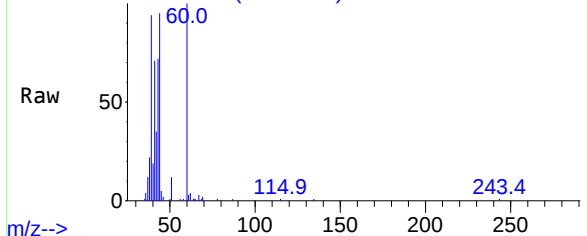
Manual Integrations

APPROVED

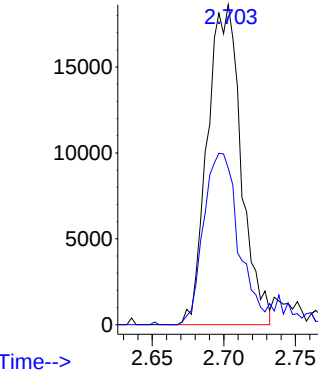
Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023

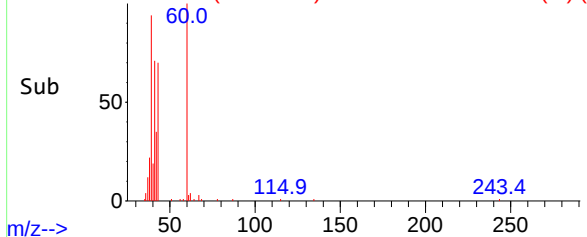
Abundance Scan 31 (2.703 min): VL040652.D\data.ms



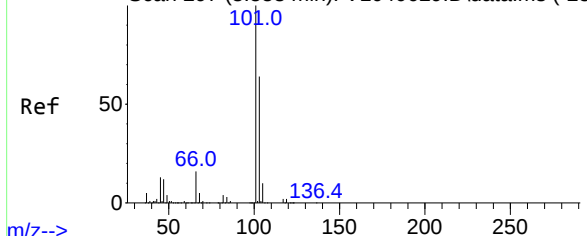
Abundance



Abundance Scan 31 (2.703 min): VL040652.D\data.ms (-1)



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



#11

Trichlorofluoromethane

Concen: 0.259 ppbv

RT: 3.558 min Scan# 297

Delta R.T. -0.000 min

Lab File: VL040652.D

Acq: 5 Sep 2023 18:14

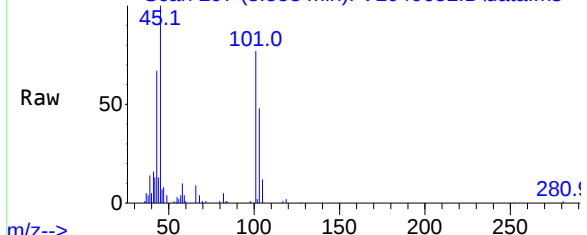
Tgt Ion:101 Resp: 34047

Ion Ratio Lower Upper

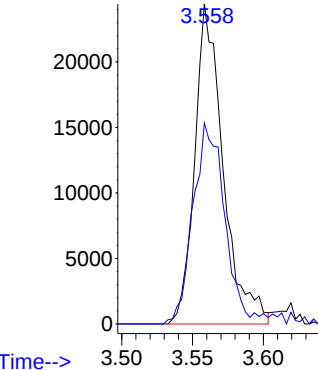
101 100

103 61.5 51.1 76.7

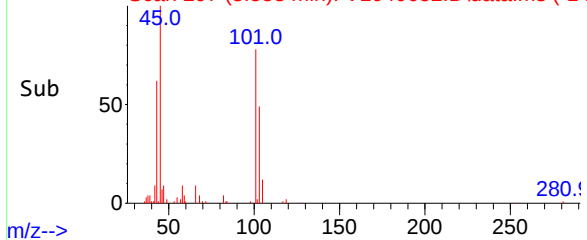
Abundance Scan 297 (3.558 min): VL040652.D\data.ms

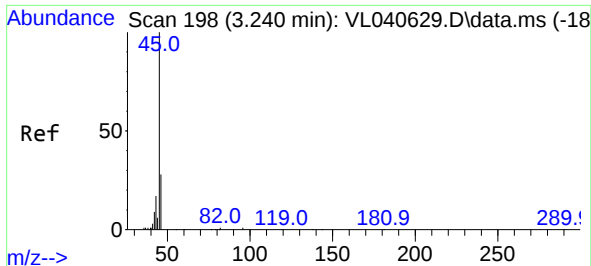


Abundance



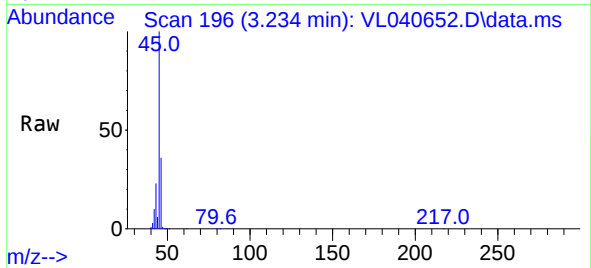
Abundance Scan 297 (3.558 min): VL040652.D\data.ms (-14)





#13
Ethanol
Concen: 70.852 ppbv
RT: 3.234 min Scan# 198
Delta R.T. -0.007 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

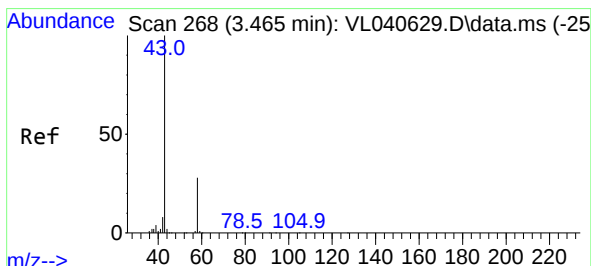
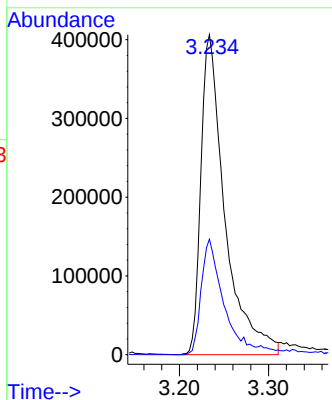
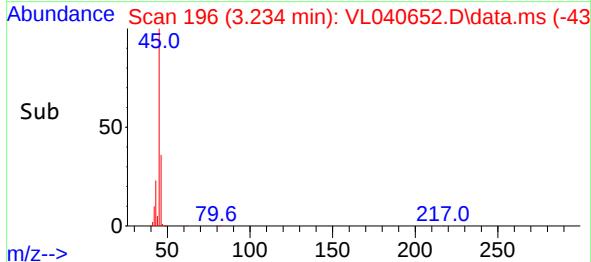
Instrument :
MSVOA_L
ClientSampleId :
IA1



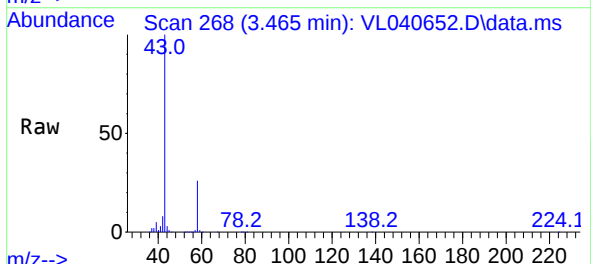
Tgt Ion: 45 Resp: 759870
Ion Ratio Lower Upper
45 100
46 36.6 14.2 56.6

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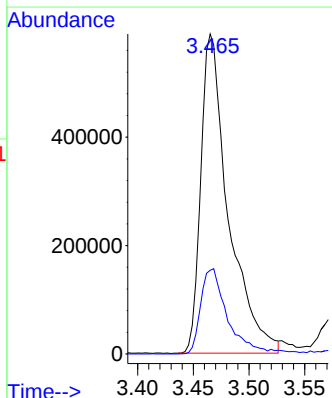
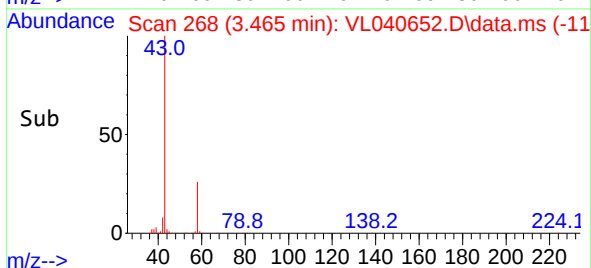
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

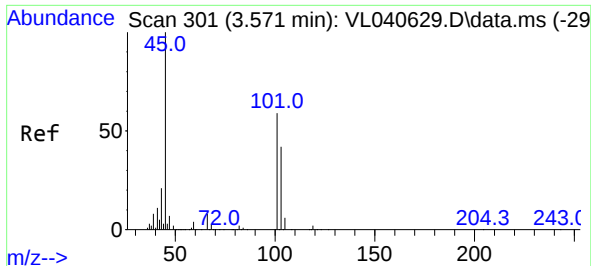


#15
Acetone
Concen: 10.978 ppbv
RT: 3.465 min Scan# 268
Delta R.T. -0.000 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14



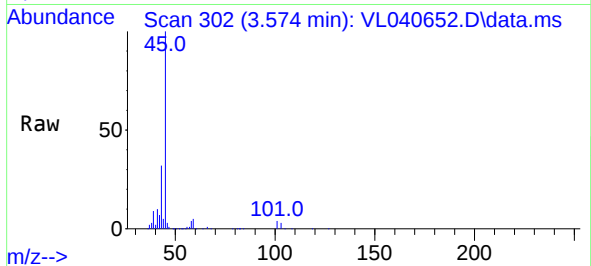
Tgt Ion: 43 Resp: 1014243
Ion Ratio Lower Upper
43 100
58 26.5 22.4 33.6





#19
Isopropyl Alcohol
Concen: 6.648 ppbv
RT: 3.574 min Scan# 301
Delta R.T. 0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

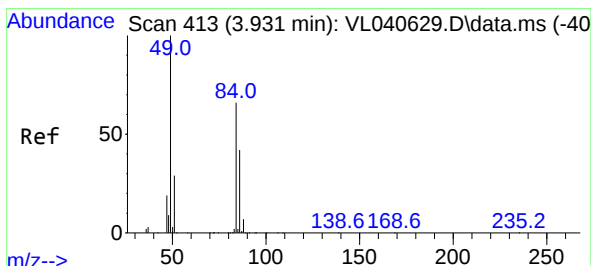
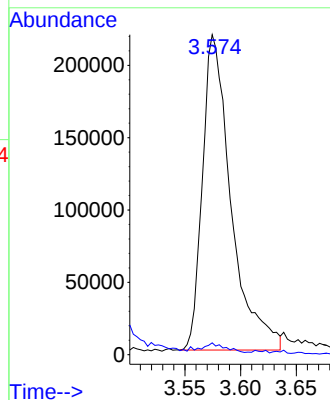
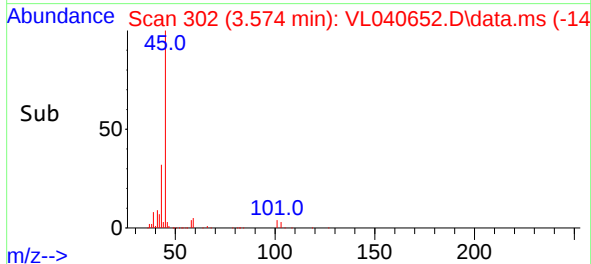
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 45 Resp: 38947
Ion Ratio Lower Upper
45 100
58 3.9 1.9 2.9

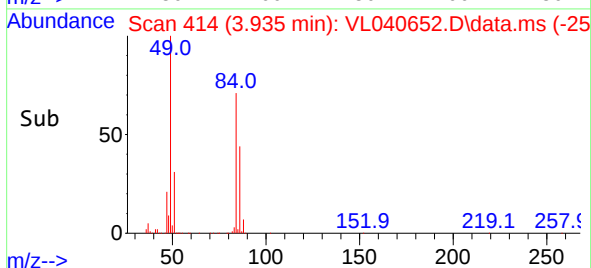
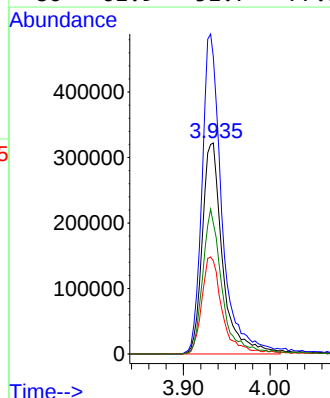
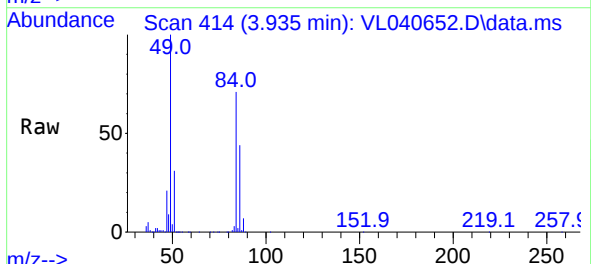
Manual Integrations
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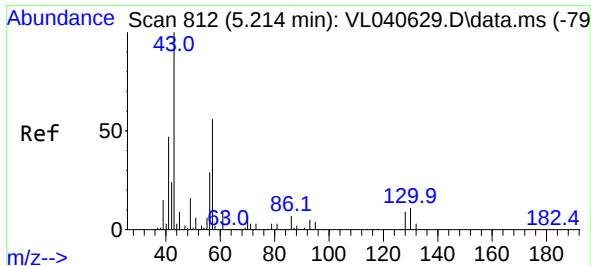
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#20
Methylene Chloride
Concen: 11.692 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

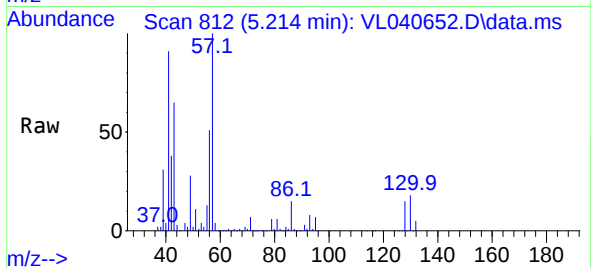
Tgt Ion: 84 Resp: 527865
Ion Ratio Lower Upper
84 100
49 140.8 122.1 183.1
51 43.9 35.4 53.2
86 61.9 51.7 77.5





#26
Hexane
Concen: 5.985 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

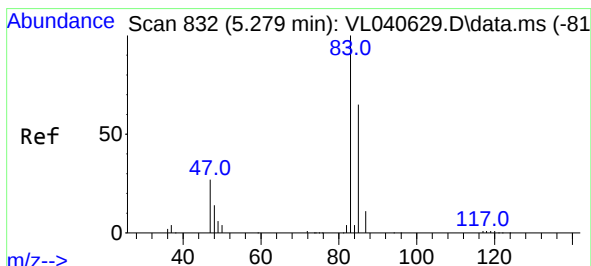
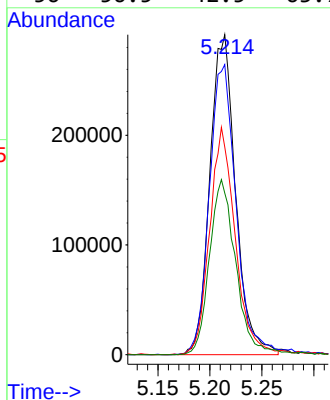
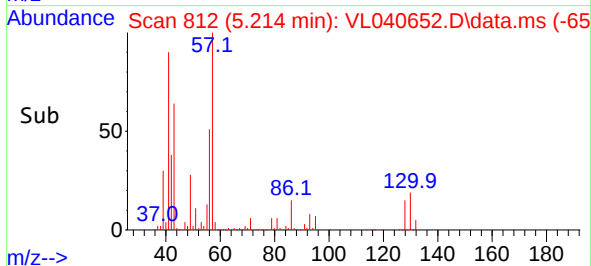
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 50241
Ion Ratio Lower Upper
57 100
41 95.3 69.3 103.9
43 72.0 177.9 266.9
56 56.5 42.5 63.7

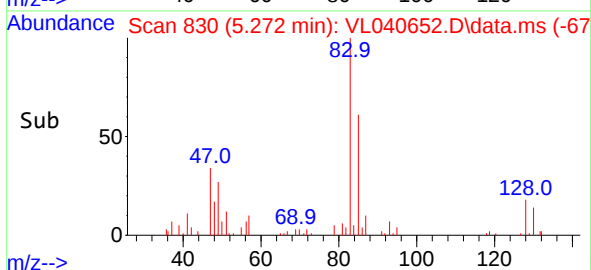
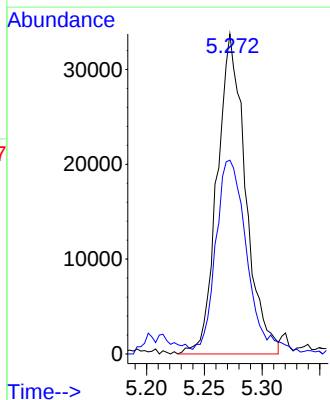
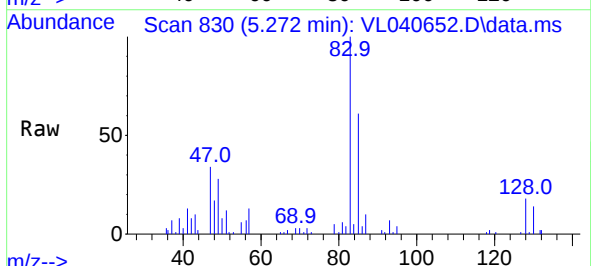
Manual Integrations
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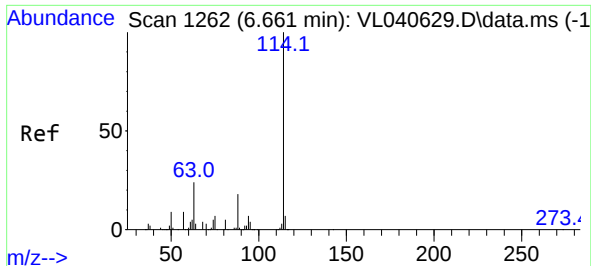
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#29
Chloroform
Concen: 0.434 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.007 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

Tgt Ion: 83 Resp: 57696
Ion Ratio Lower Upper
83 100
85 57.6 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 114

Delta R.T. -0.010 min

Lab File: VL040652.D

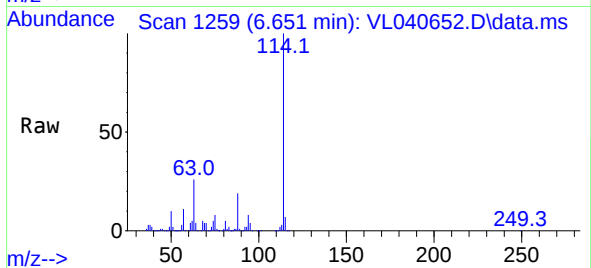
Acq: 5 Sep 2023 18:14

Instrument :

MSVOA_L

ClientSampleId :

IA1



Tgt Ion:114 Resp: 198668

Ion Ratio Lower Upper

114 100

63 25.9 20.2 30.2

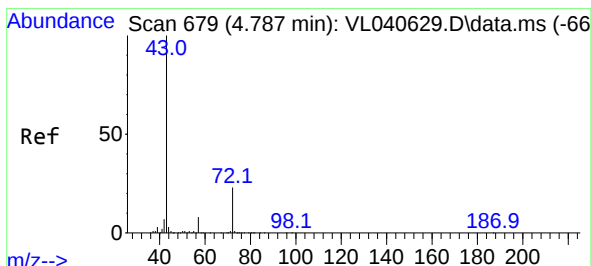
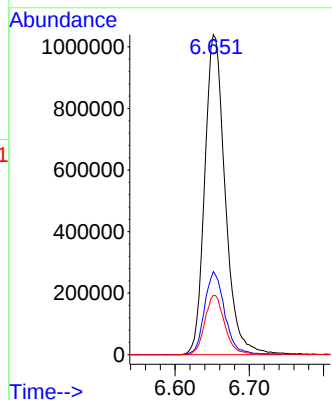
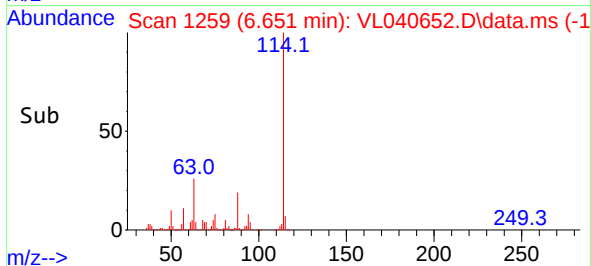
88 18.3 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/06/2023

Supervised By :Mahesh Dadoda 09/06/2023



#34

2-Butanone

Concen: 0.316 ppbv

RT: 4.787 min Scan# 679

Delta R.T. -0.000 min

Lab File: VL040652.D

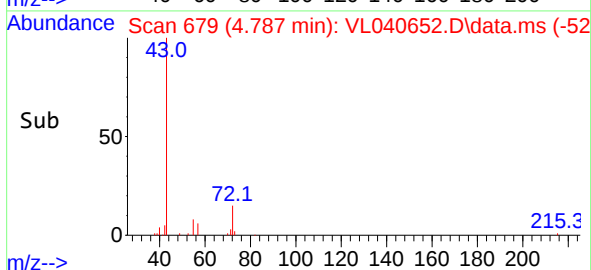
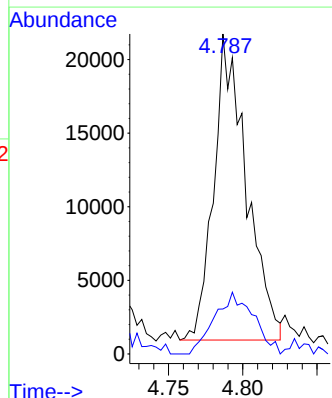
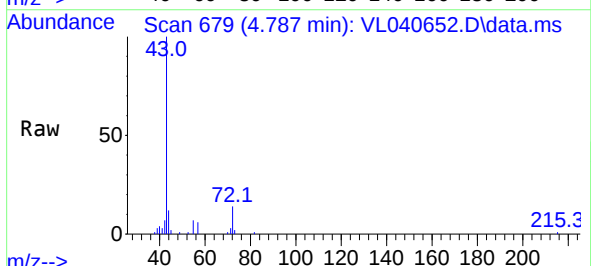
Acq: 5 Sep 2023 18:14

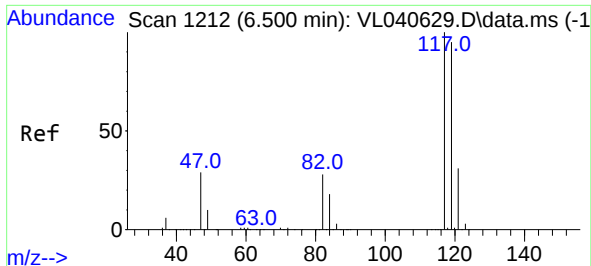
Tgt Ion: 43 Resp: 31705

Ion Ratio Lower Upper

43 100

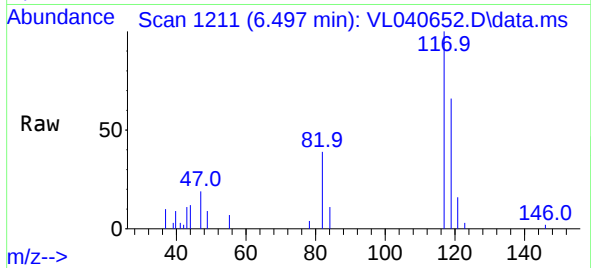
72 26.6 19.2 28.8





#35
Carbon Tetrachloride
Concen: 0.087 ppbv
RT: 6.497 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

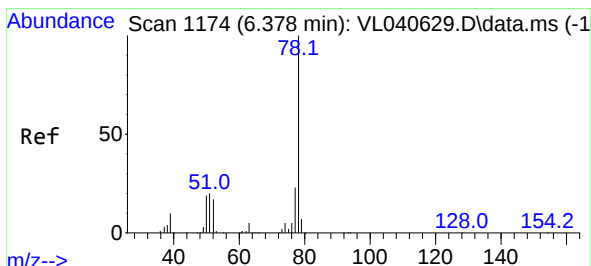
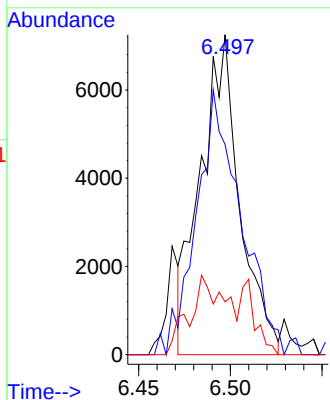
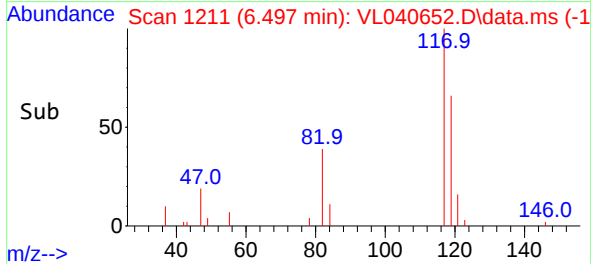
Instrument :
MSVOA_L
ClientSampleId :
IA1



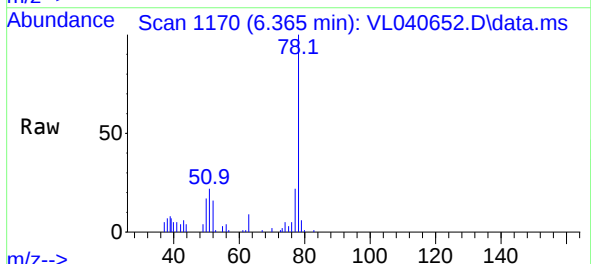
Tgt Ion: 117 Resp: 1079
Ion Ratio Lower Upper
117 100
119 60.4 75.6 113.4
121 17.2 24.9 37.3

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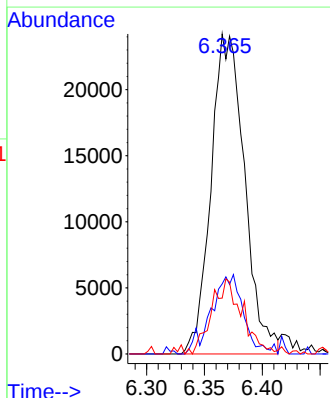
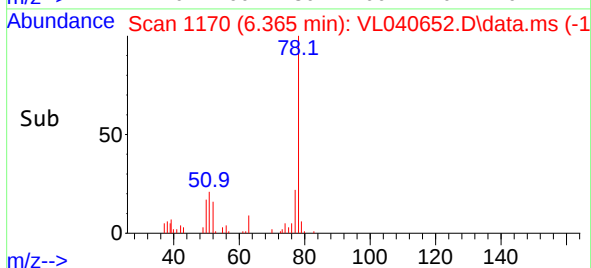
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

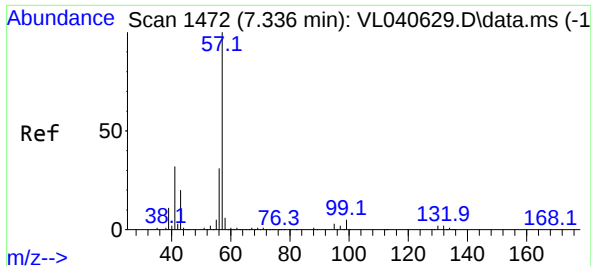


#36
Benzene
Concen: 0.308 ppbv m
RT: 6.365 min Scan# 1170
Delta R.T. -0.013 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14



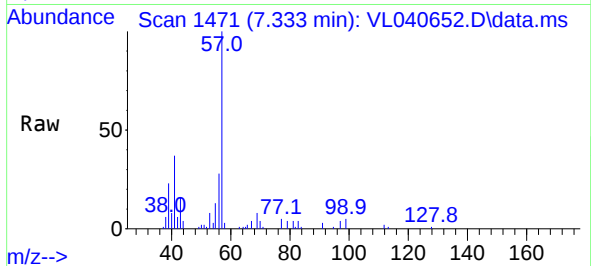
Tgt Ion: 78 Resp: 48654
Ion Ratio Lower Upper
78 100
77 21.9 18.2 27.2
50 17.4 15.0 22.6





#44
2,2,4-Trimethylpentane
Concen: 0.173 ppbv m
RT: 7.333 min Scan# 1472
Delta R.T. -0.003 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

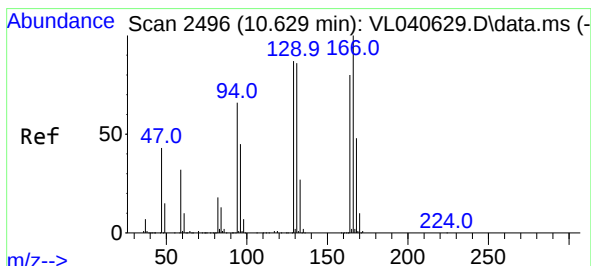
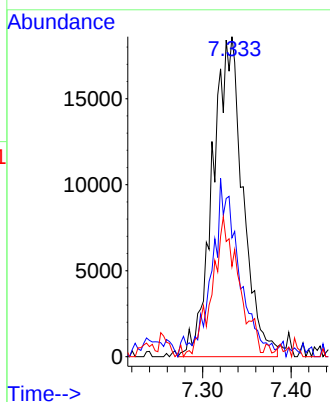
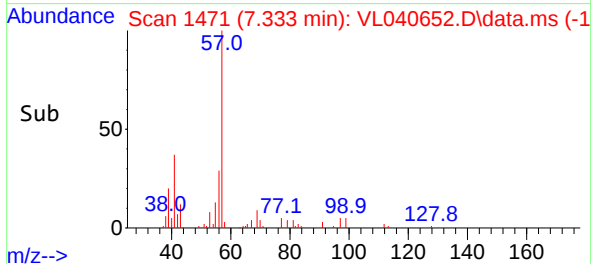
Instrument :
MSVOA_L
ClientSampleId :
IA1



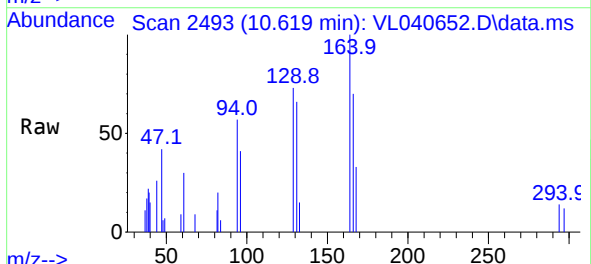
Tgt Ion: 57 Resp: 4408
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4#
56 40.0 24.7 37.1#

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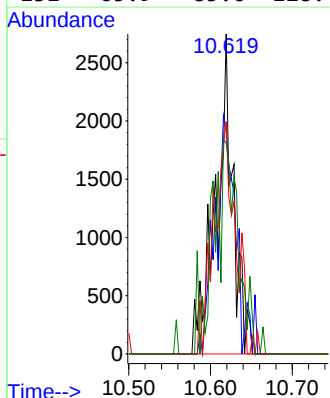
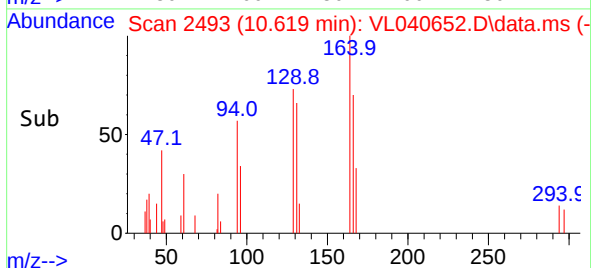
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

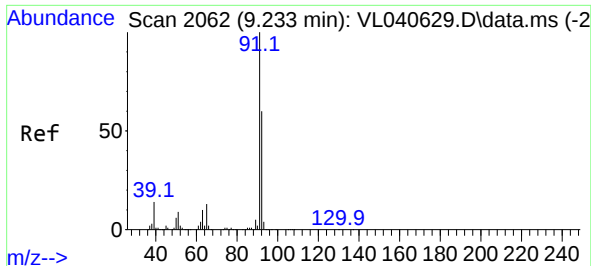


#52
Tetrachloroethene
Concen: 0.080 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.010 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14



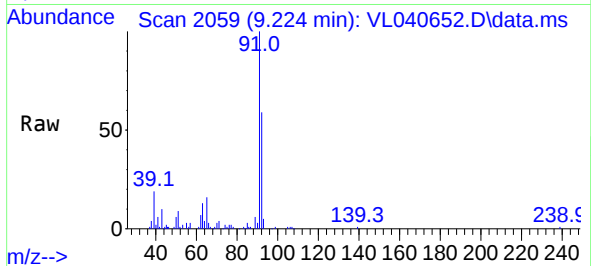
Tgt Ion:164 Resp: 3980
Ion Ratio Lower Upper
164 100
166 69.6 99.5 149.3#
129 72.6 86.9 130.3#
131 65.9 85.6 128.4#





#53
Toluene
Concen: 0.574 ppbv
RT: 9.224 min Scan# 2062
Delta R.T. -0.010 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

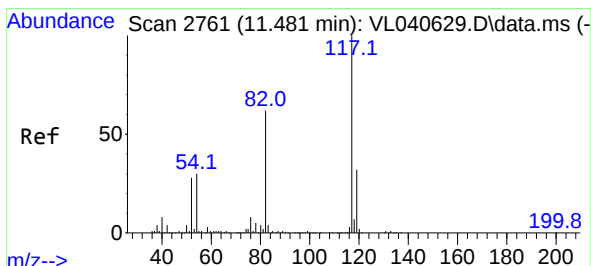
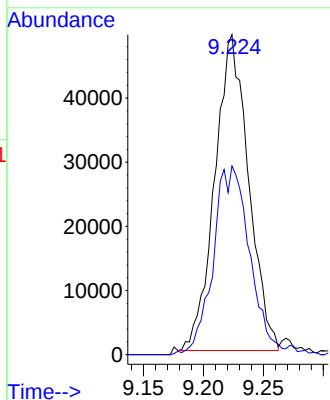
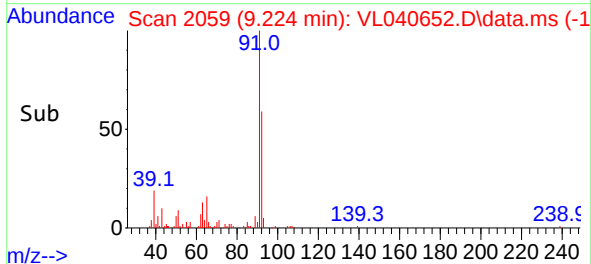
Instrument :
MSVOA_L
ClientSampleId :
IA1



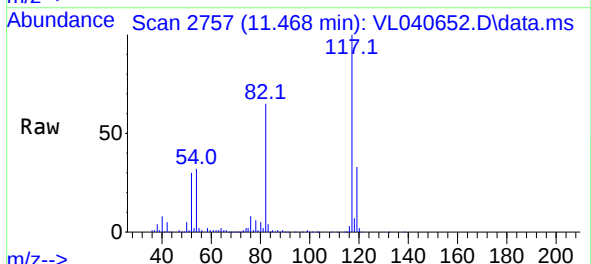
Tgt Ion: 91 Resp: 96390
Ion Ratio Lower Upper
91 100
92 65.5 48.0 72.0

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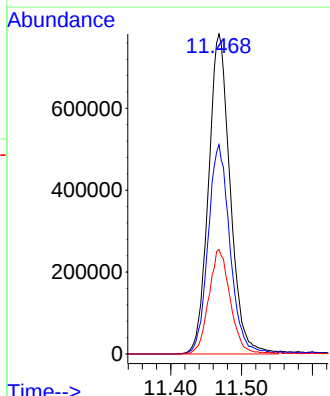
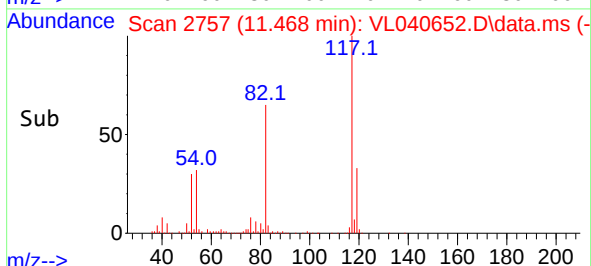
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023

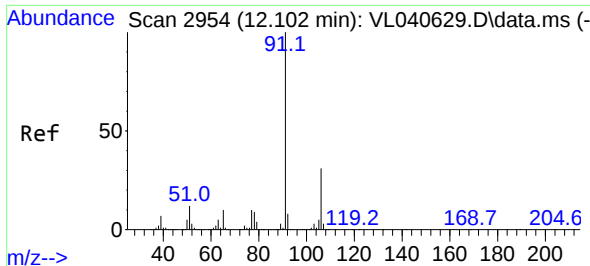


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. -0.013 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14



Tgt Ion:117 Resp: 1659956
Ion Ratio Lower Upper
117 100
82 66.1 49.5 74.3
119 32.5 24.5 36.7





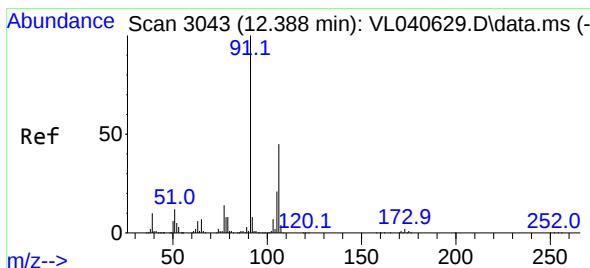
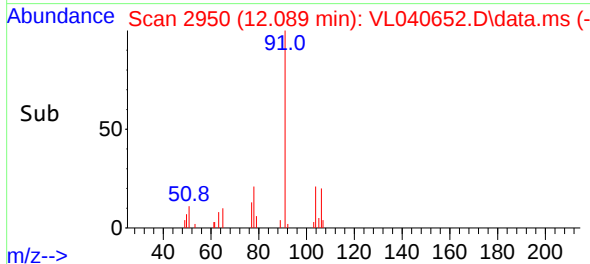
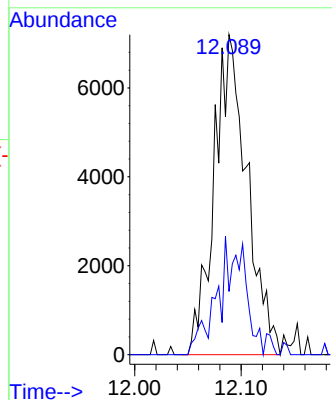
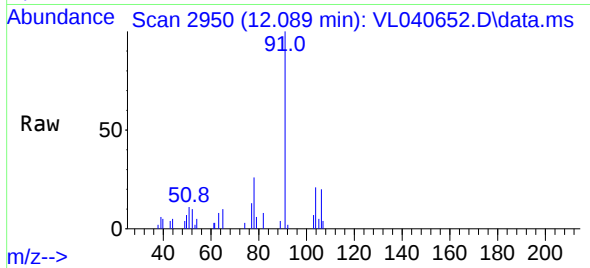
#58
Ethyl Benzene
Concen: 0.077 ppbv m
RT: 12.089 min Scan# 2954
Delta R.T. -0.013 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 1546
Ion Ratio Lower Upper
91 100
106 19.8 24.6 36.8

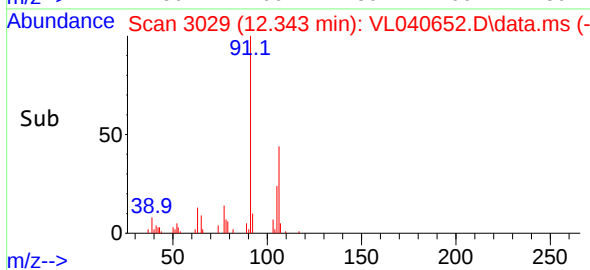
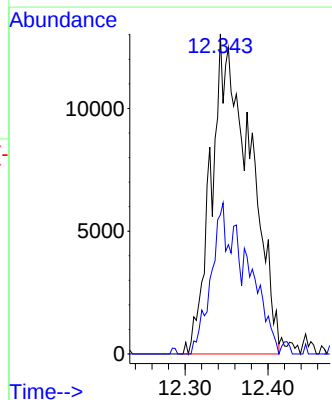
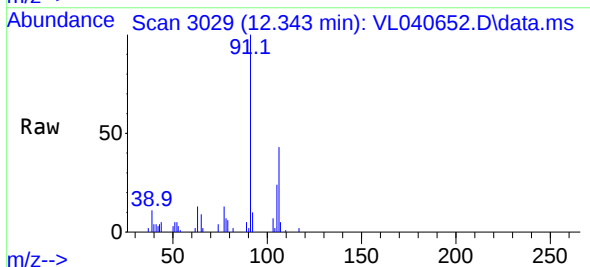
Manual Integrations
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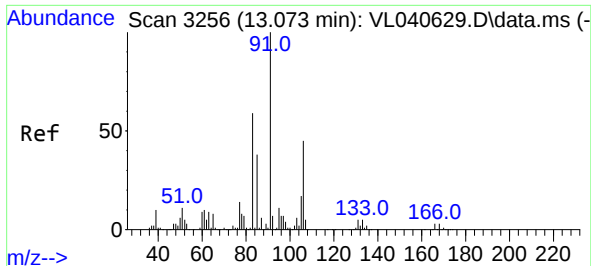
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#59
m/p-Xylene
Concen: 0.233 ppbv m
RT: 12.343 min Scan# 3029
Delta R.T. -0.045 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

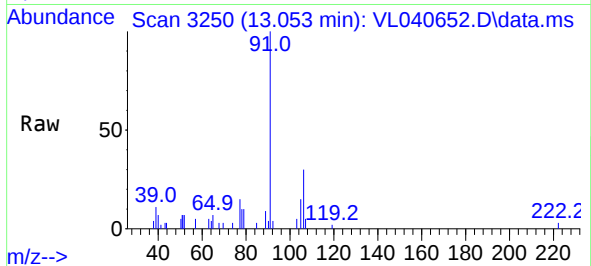
Tgt Ion: 91 Resp: 42538
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9





#60
o-Xylene
Concen: 0.094 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

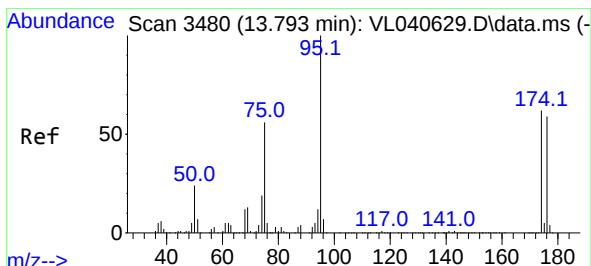
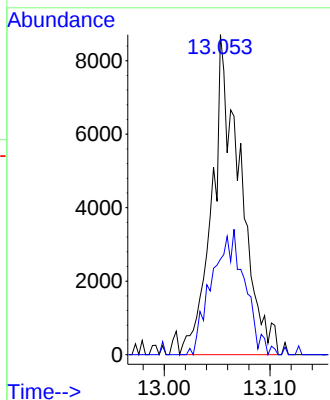
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 16240
Ion Ratio Lower Upper
91 100
106 0.0 22.5 67.5

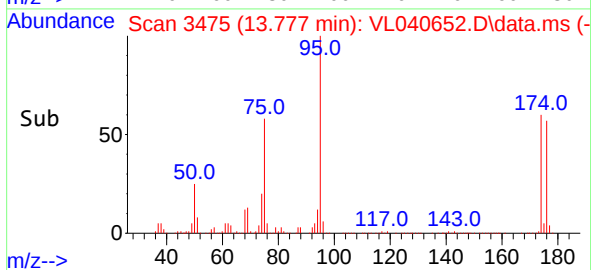
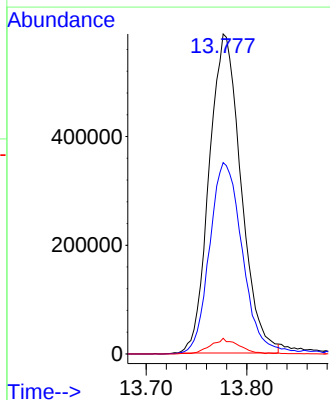
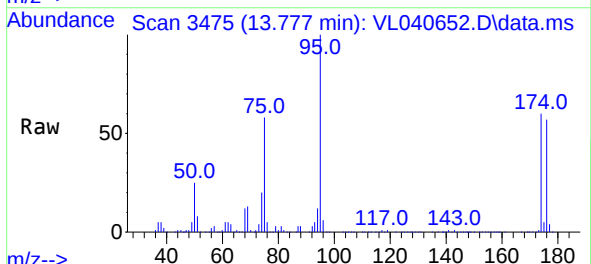
Manual Integrations
APPROVED

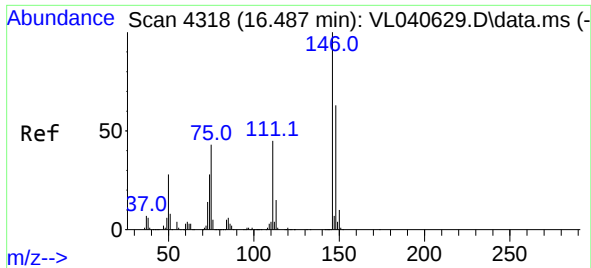
Reviewed By :Semsettin Yesilyurt 09/06/2023
Supervised By :Mahesh Dadoda 09/06/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.768 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.016 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

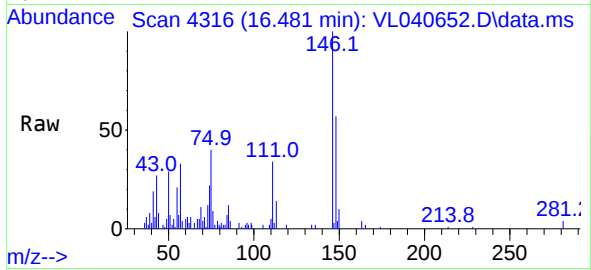
Tgt Ion: 95 Resp: 1289483
Ion Ratio Lower Upper
95 100
174 63.9 49.1 73.7
175 4.5 3.7 5.5





#76
1,4-Dichlorobenzene
Concen: 0.251 ppbv m
RT: 16.481 min Scan# 4316
Delta R.T. -0.007 min
Lab File: VL040652.D
Acq: 5 Sep 2023 18:14

Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:146 Resp: 28900
Ion Ratio Lower Upper
146 100
111 0.0 23.2 69.5
148 0.0 32.5 97.5

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

