

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041133.D
 Acq On : 4 Apr 2024 20:12
 Operator : SY/MD
 Sample : P1953-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

04/05/2024
 Supervised By : Mahesh
 Dadoda

Quant Time: Apr 05 05:12:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Apr 05 04:49:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.211	49	1182397	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2972989	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.491	117	2794557	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	2203302	9.805	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.735	85	72114	0.357	ppbv	96
3) Chlorodifluoromethane	2.681	51	51893m	0.285	ppbv	
4) Chloromethane	2.819	50	42445	0.616	ppbv	100
9) Propene	2.700	41	265762	4.587	ppbv	90
10) Heptane	7.597	43	52700m	0.383	ppbv	
11) Trichlorofluoromethane	3.578	101	43634m	0.238	ppbv	
13) Ethanol	3.250	45	580857	42.153	ppbv	96
15) Acetone	3.478	43	1081959	8.451	ppbv	90
19) Isopropyl Alcohol	3.587	45	300189	3.860	ppbv	99
20) Methylene Chloride	3.948	84	699086	13.239	ppbv	96
26) Hexane	5.234	57	349934	3.244	ppbv #	46
30) Cyclohexane	6.629	84	53486m	0.609	ppbv	
34) 2-Butanone	4.806	43	140090	1.114	ppbv	98
35) Carbon Tetrachloride	6.517	117	13842m	0.082	ppbv	
36) Benzene	6.391	78	317878	1.456	ppbv	96
44) 2,2,4-Trimethylpentane	7.353	57	575642	1.593	ppbv	93
50) 4-Methyl-2-Pentanone	8.234	43	38505m	0.174	ppbv	
52) Tetrachloroethene	10.645	164	7180m	0.103	ppbv	
53) Toluene	9.250	91	1470714	6.398	ppbv	100
58) Ethyl Benzene	12.118	91	181851	0.594	ppbv	95
59) m/p-Xylene	12.372	91	587267	2.125	ppbv	95
60) o-Xylene	13.089	91	201555	0.770	ppbv	94
61) Styrene	12.921	104	13410m	0.116	ppbv	
72) 4-Ethyltoluene	15.217	105	39023m	0.133	ppbv	
73) 1,3,5-Trimethylbenzene	15.381	105	26976m	0.105	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	132092	0.448	ppbv #	70

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

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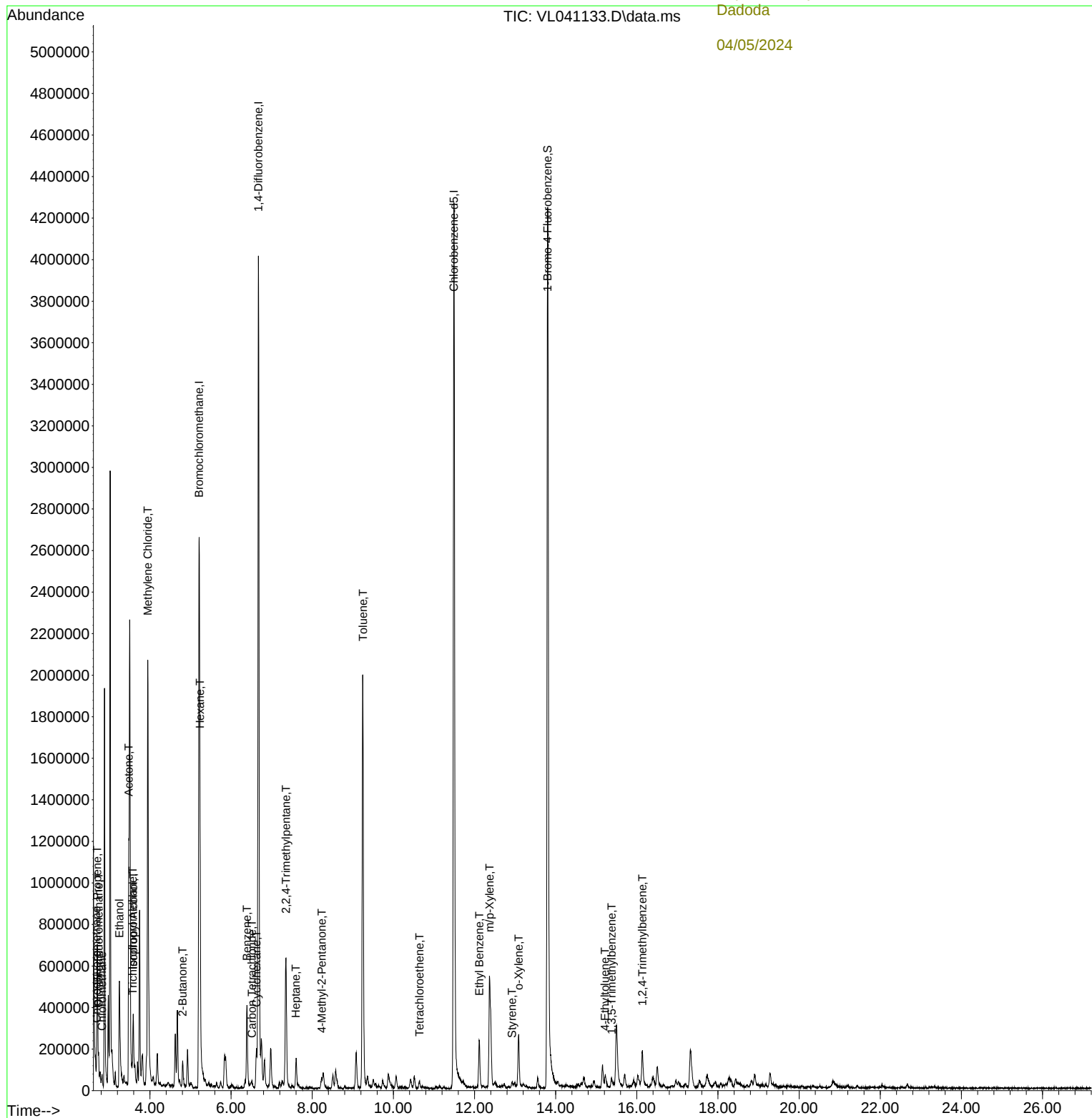
Quant Time: Apr 05 05:12:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Apr 05 04:49:46 2024
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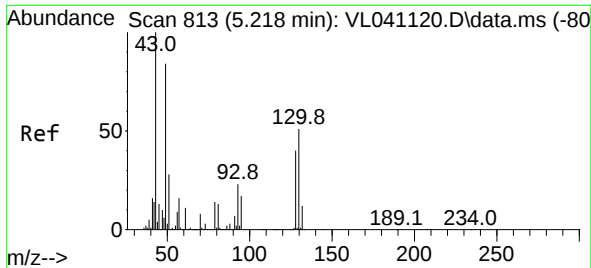
Manual Integrations
APPROVED

Reviewed By : Semsettin
Yesilyurt

04/05/2024
Supervised By : Mahesh
Dadoda

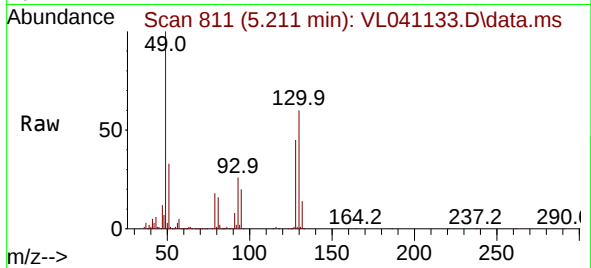
04/05/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
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ClientSampleId :
OA1



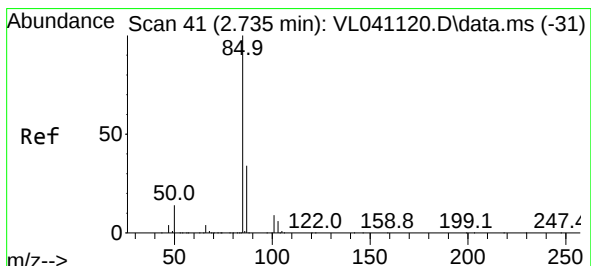
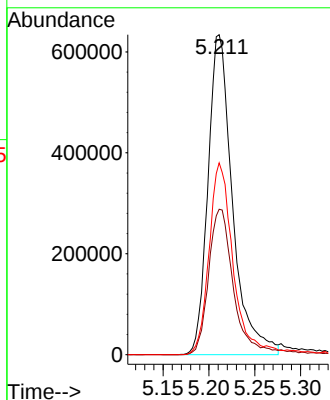
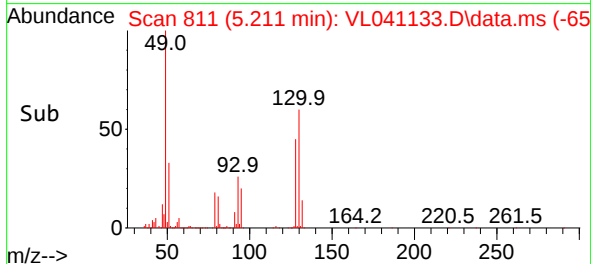
Tgt Ion: 49 Resp: 118239
Ion Ratio Lower Upper
49 100
128 47.5 23.6 71.0
130 61.0 30.1 90.5

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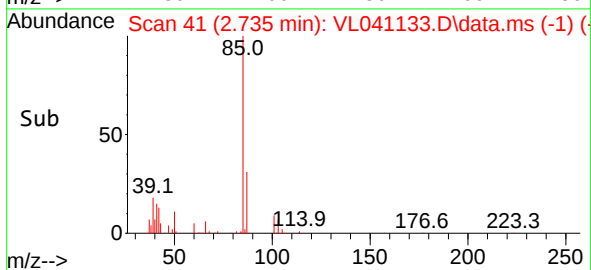
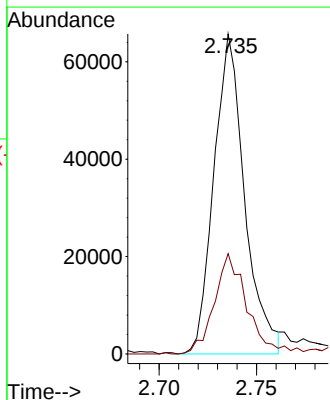
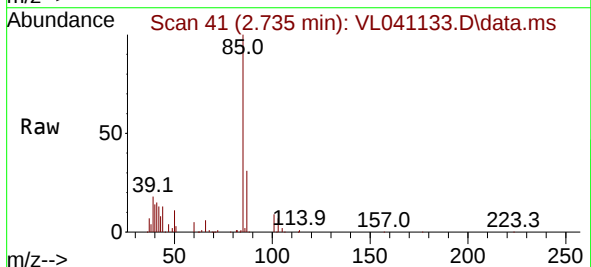
04/05/2024
Supervised By :Mahesh
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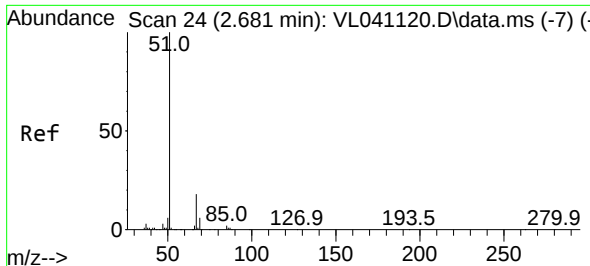
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#2
Dichlorodifluoromethane
Concen: 0.357 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

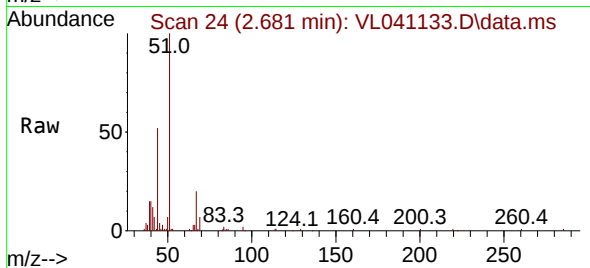
Tgt Ion: 85 Resp: 72114
Ion Ratio Lower Upper
85 100
87 31.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.285 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



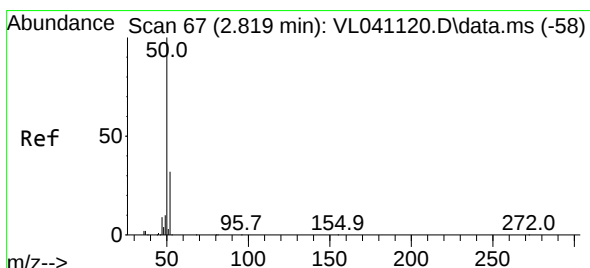
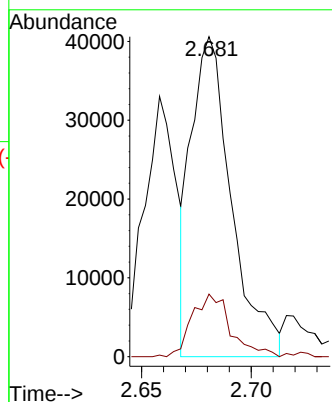
Tgt Ion: 51 Resp: 5189
Ion Ratio Lower Upper
51 100
67 19.9 14.9 22.3

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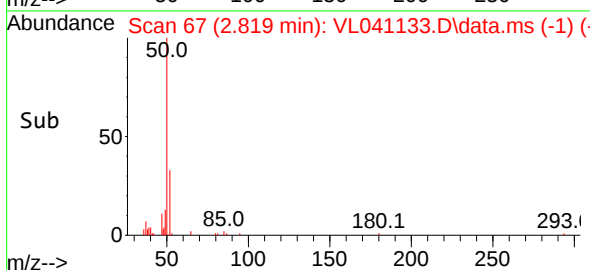
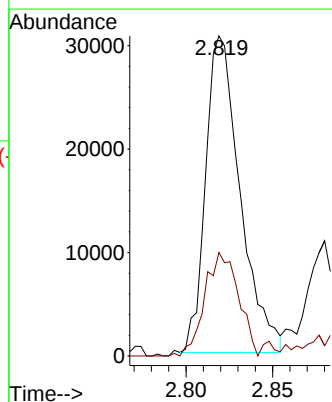
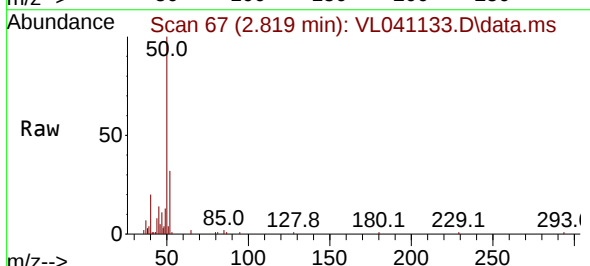
04/05/2024
Supervised By :Mahesh
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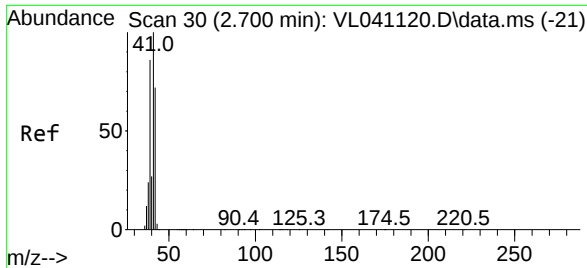
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#4
Chloromethane
Concen: 0.616 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

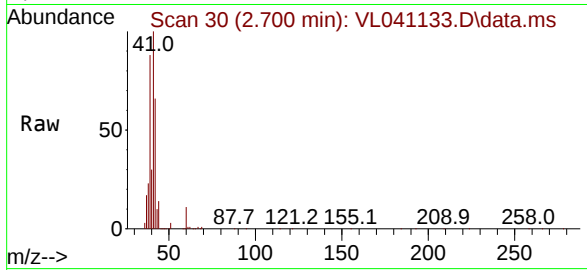
Tgt Ion: 50 Resp: 42445
Ion Ratio Lower Upper
50 100
52 32.7 26.0 39.0





#9
 Propene
 Concen: 4.587 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL041133.D
 Acq: 4 Apr 2024 20:12

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



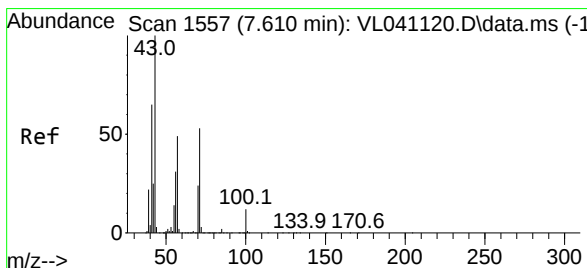
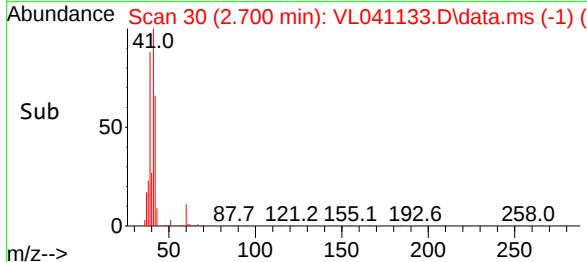
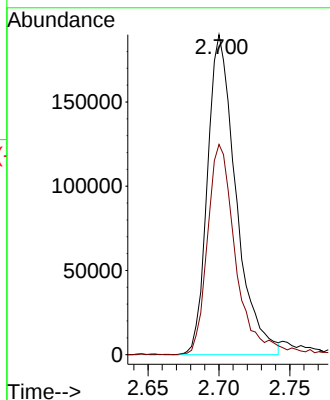
Tgt Ion: 41 Resp: 265762
 Ion Ratio Lower Upper
 41 100
 42 66.8 60.1 90.1

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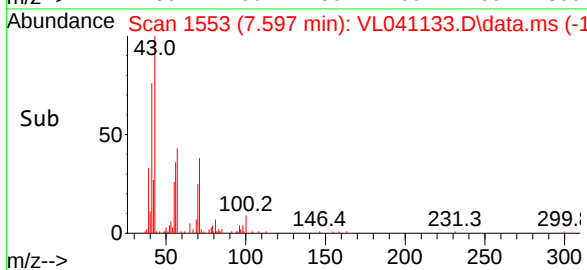
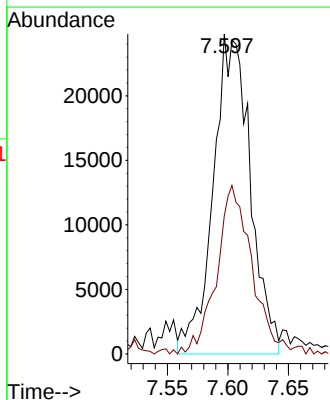
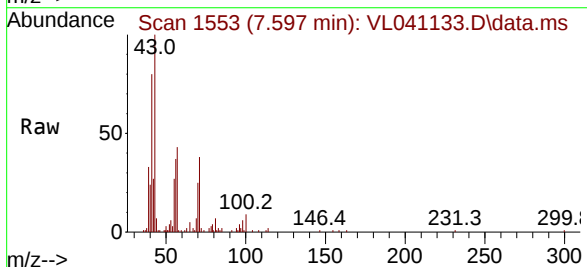
04/05/2024
 Supervised By :Mahesh
 Dadoda

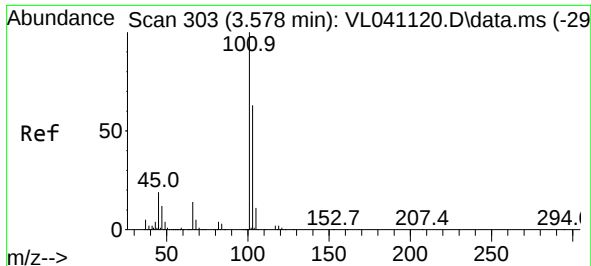
04/05/2024



#10
 Heptane
 Concen: 0.383 ppbv m
 RT: 7.597 min Scan# 1553
 Delta R.T. -0.013 min
 Lab File: VL041133.D
 Acq: 4 Apr 2024 20:12

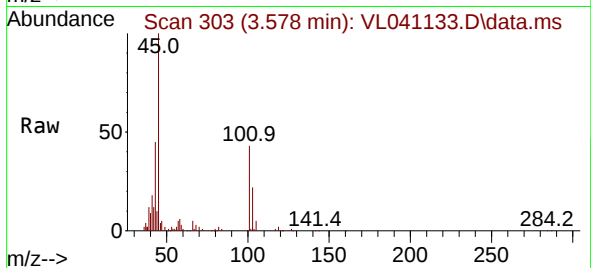
Tgt Ion: 43 Resp: 52700
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.238 ppbv m
RT: 3.578 min Scan# 303
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



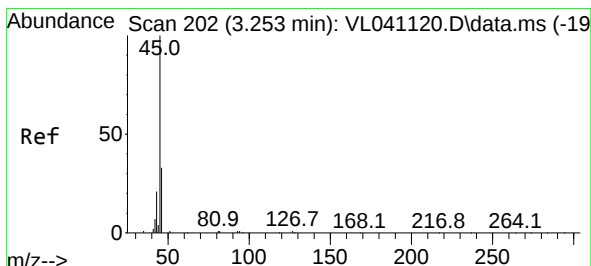
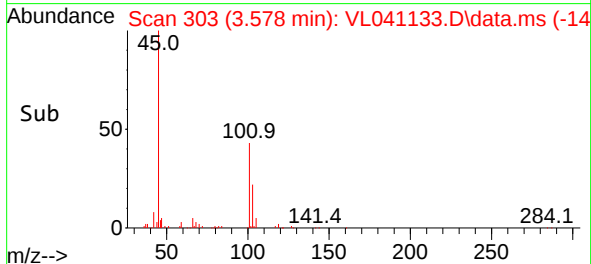
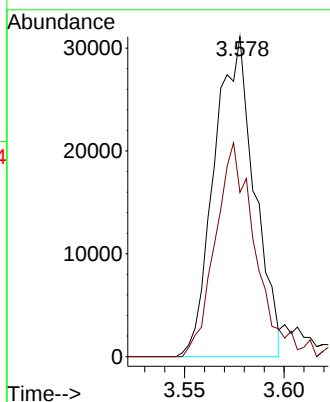
Tgt Ion:101 Resp: 43634
Ion Ratio Lower Upper
101 100
103 51.3 50.6 75.8

Manual Integrations
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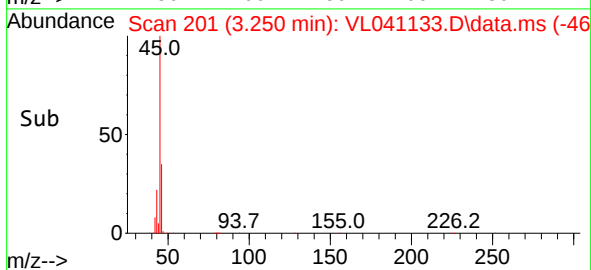
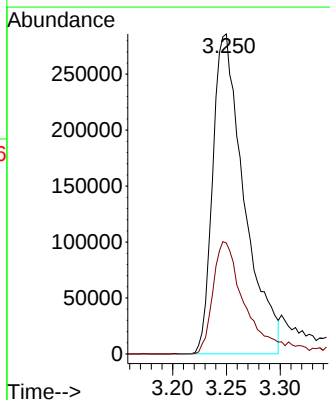
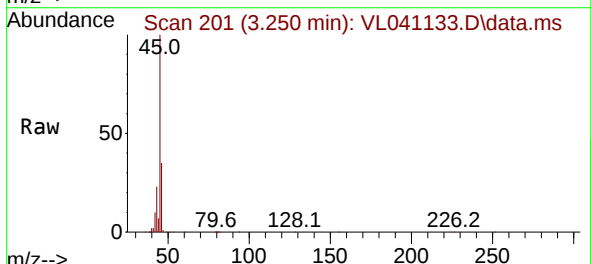
04/05/2024
Supervised By :Mahesh
Dadoda

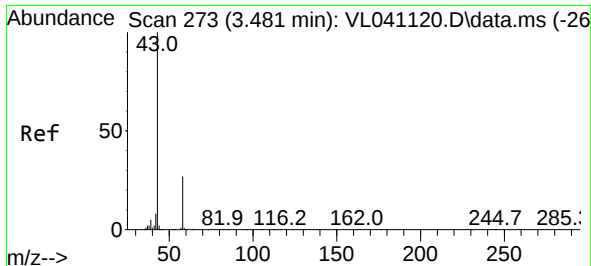
04/05/2024



#13
Ethanol
Concen: 42.153 ppbv
RT: 3.250 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

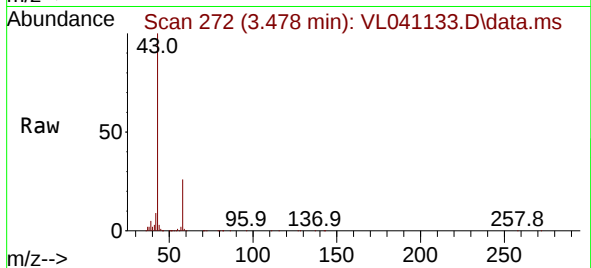
Tgt Ion: 45 Resp: 580857
Ion Ratio Lower Upper
45 100
46 39.7 15.0 59.8





#15
Acetone
Concen: 8.451 ppbv
RT: 3.478 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



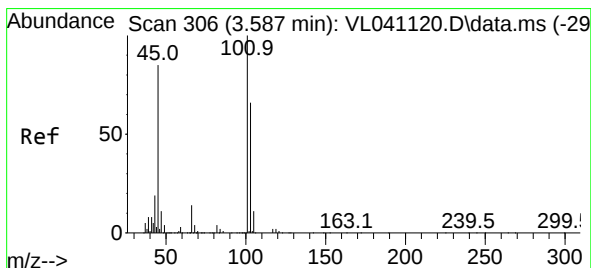
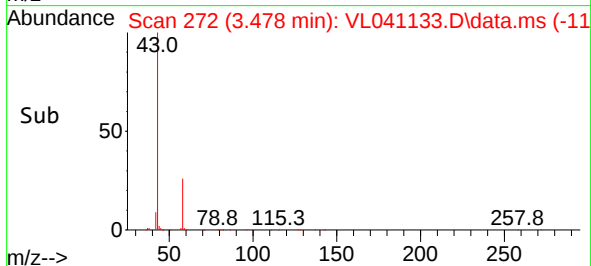
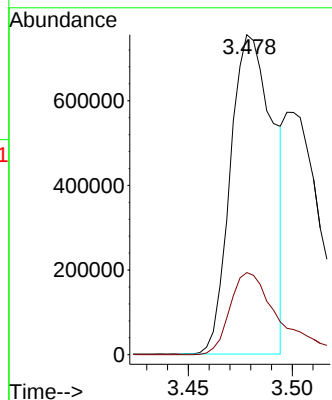
Tgt Ion: 43 Resp: 1081959
Ion Ratio Lower Upper
43 100
58 31.5 21.1 31.7

Manual Integrations
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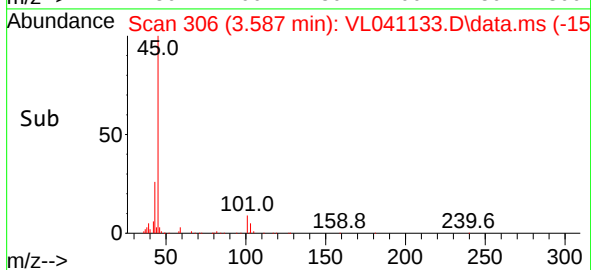
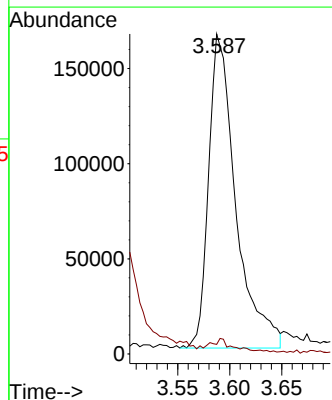
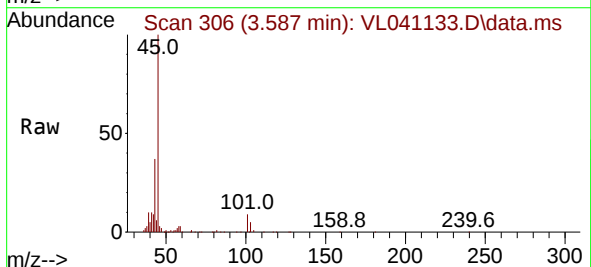
04/05/2024
Supervised By :Mahesh
Dadoda

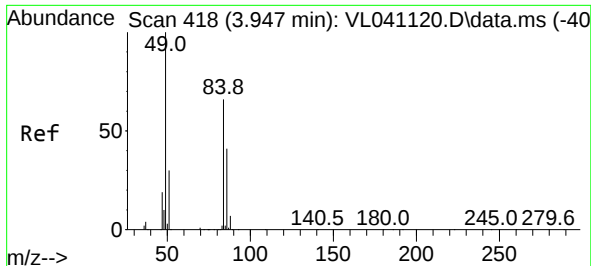
04/05/2024



#19
Isopropyl Alcohol
Concen: 3.860 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

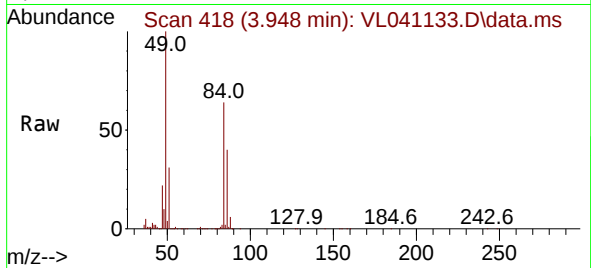
Tgt Ion: 45 Resp: 300189
Ion Ratio Lower Upper
45 100
58 3.9 2.8 4.2





#20
Methylene Chloride
Concen: 13.239 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
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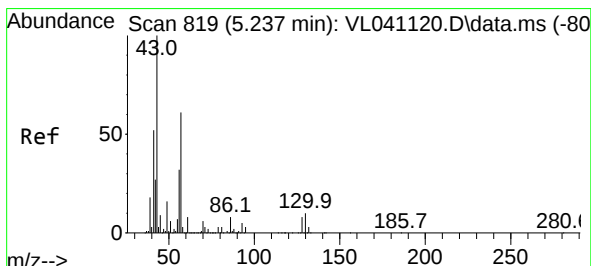
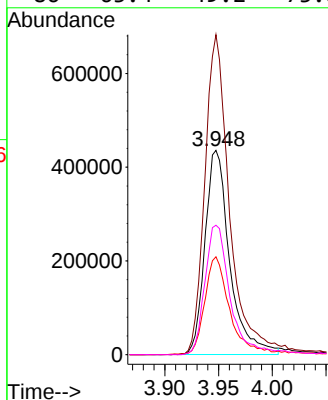
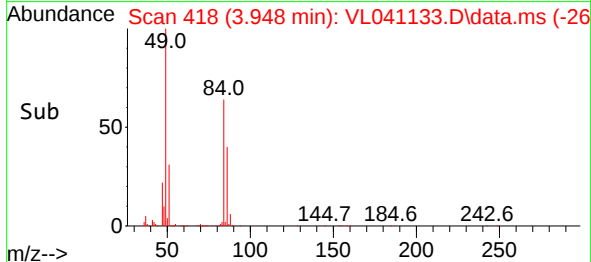
Tgt Ion: 84 Resp: 699080
Ion Ratio Lower Upper
84 100
49 156.7 120.7 181.1
51 47.5 36.6 54.8
86 63.4 49.2 73.8

Manual Integrations
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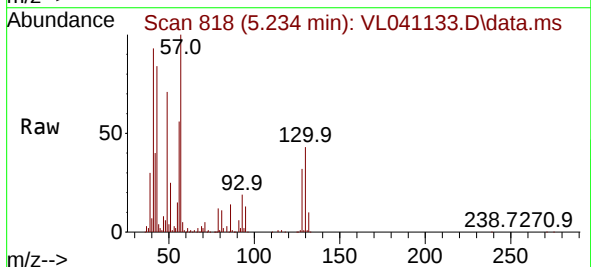
Reviewed By :Semsettin
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Dadoda

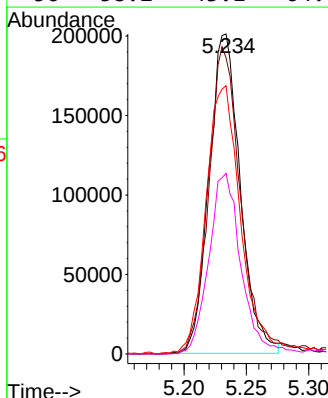
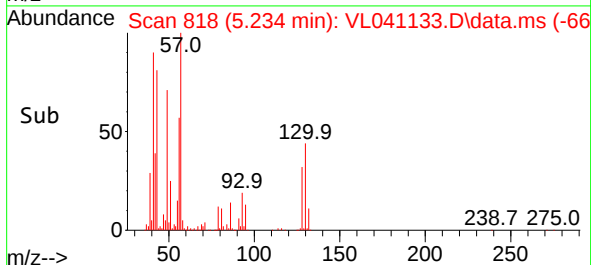
04/05/2024

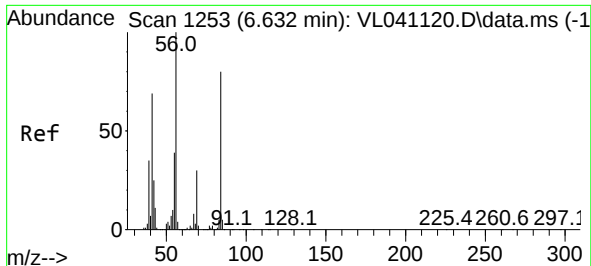


#26
Hexane
Concen: 3.244 ppbv
RT: 5.234 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12



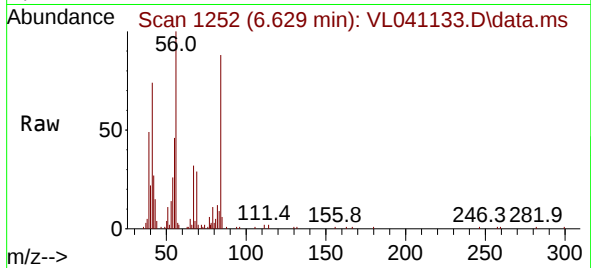
Tgt Ion: 57 Resp: 349934
Ion Ratio Lower Upper
57 100
41 101.5 73.8 110.8
43 95.5 186.2 279.2#
56 58.2 43.1 64.7





#30
Cyclohexane
Concen: 0.609 ppbv m
RT: 6.629 min Scan# 1253
Delta R.T. -0.003 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



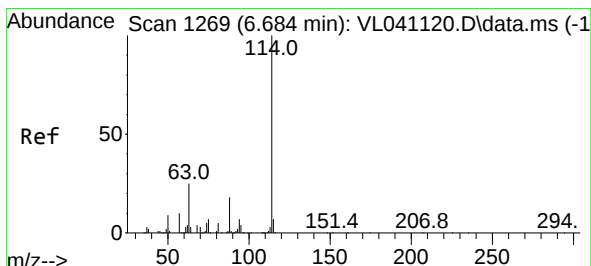
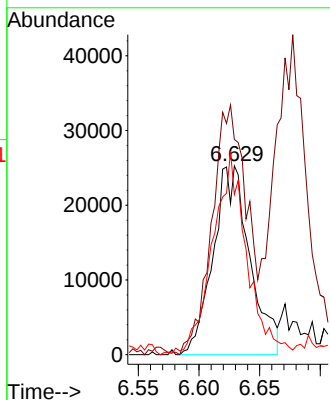
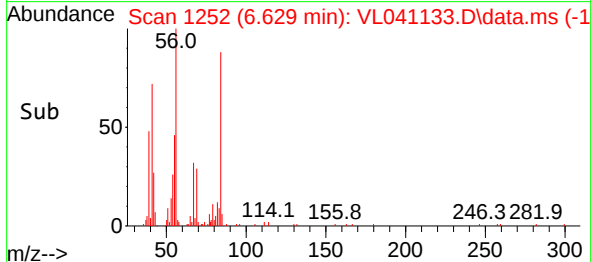
Tgt Ion: 84 Resp: 53480
Ion Ratio Lower Upper
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41 0.0 71.0 106.6

Manual Integrations
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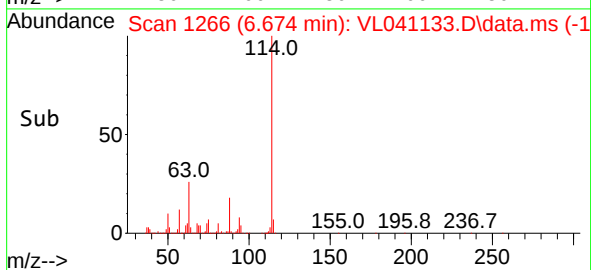
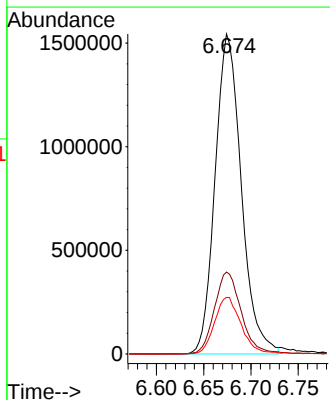
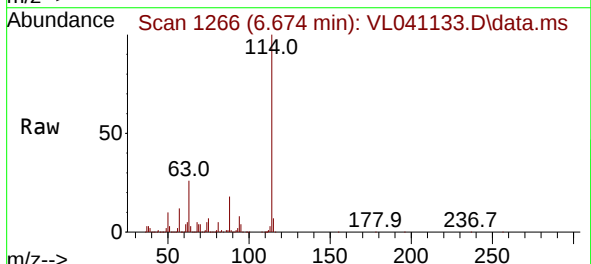
04/05/2024
Supervised By :Mahesh
Dadoda

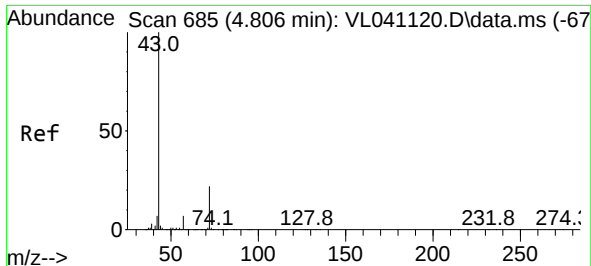
04/05/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

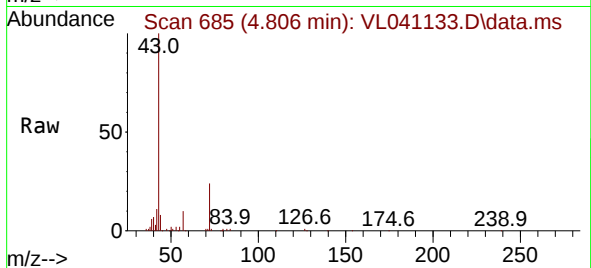
Tgt Ion:114 Resp: 2972989
Ion Ratio Lower Upper
114 100
63 26.5 20.9 31.3
88 18.1 14.5 21.7





#34
2-Butanone
Concen: 1.114 ppbv
RT: 4.806 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



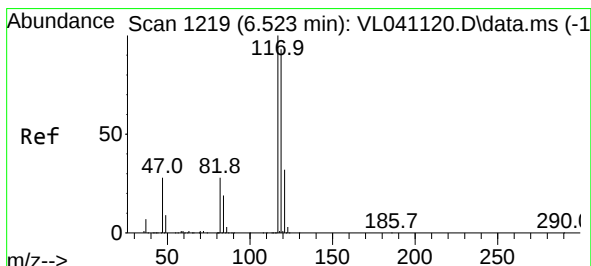
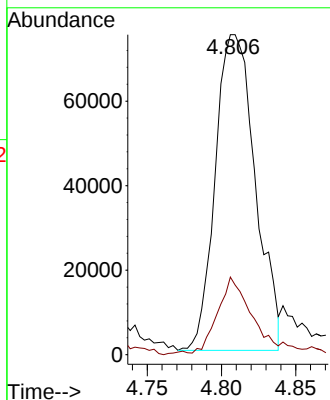
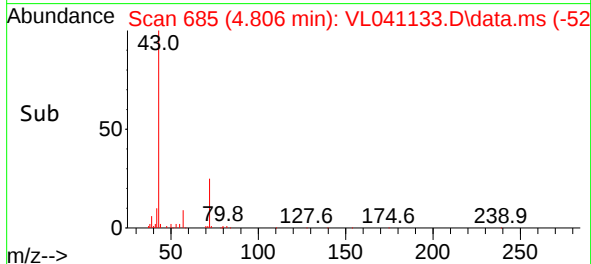
Tgt Ion: 43 Resp: 140090
Ion Ratio Lower Upper
43 100
72 22.9 17.6 26.4

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Reviewed By :Semsettin
Yesilyurt

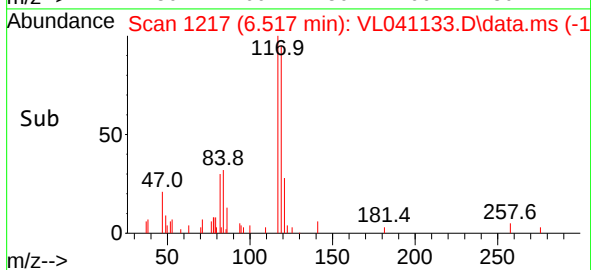
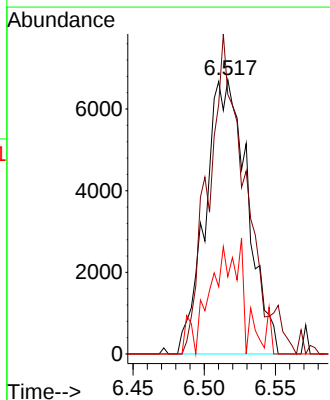
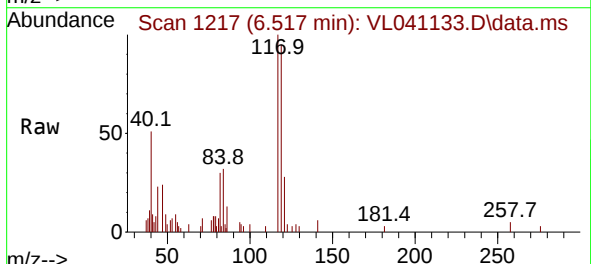
04/05/2024
Supervised By :Mahesh
Dadoda

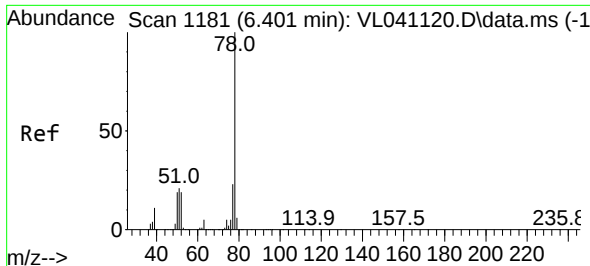
04/05/2024



#35
Carbon Tetrachloride
Concen: 0.082 ppbv m
RT: 6.517 min Scan# 1217
Delta R.T. -0.006 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

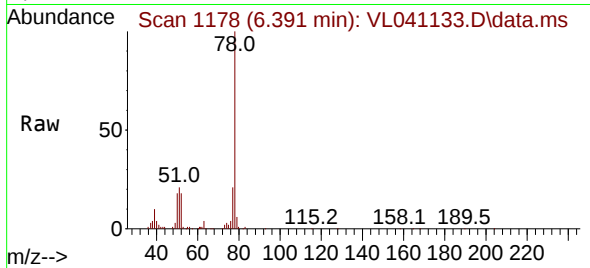
Tgt Ion:117 Resp: 13842
Ion Ratio Lower Upper
117 100
119 94.6 74.2 111.4
121 28.2 25.4 38.2





#36
Benzene
Concen: 1.456 ppbv
RT: 6.391 min Scan# 1181
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



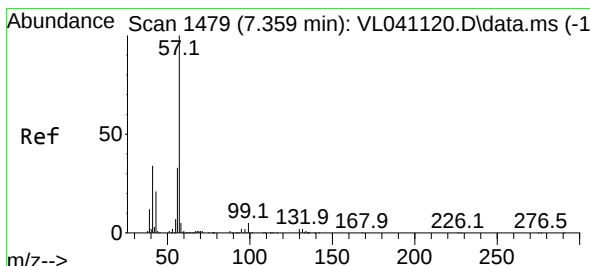
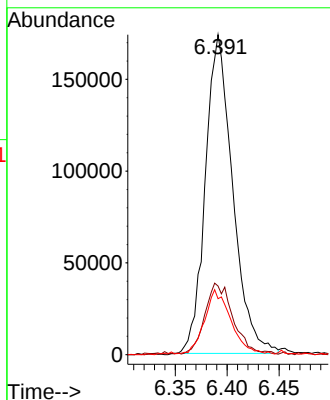
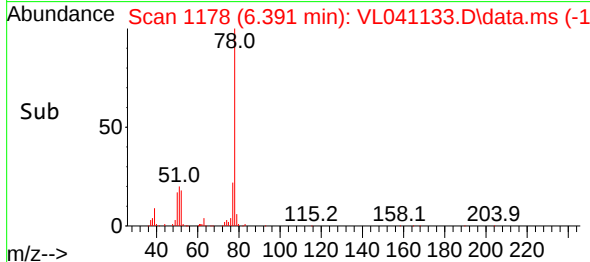
Tgt Ion: 78 Resp: 317878
Ion Ratio Lower Upper
78 100
77 21.4 18.2 27.4
50 17.2 15.4 23.2

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Reviewed By :Semsettin
Yesilyurt

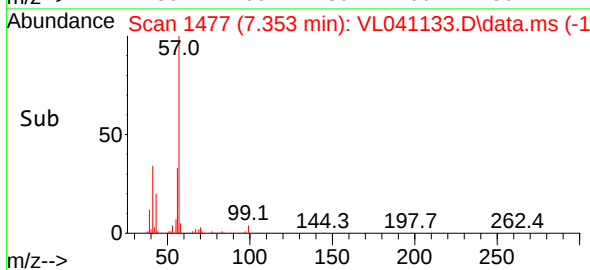
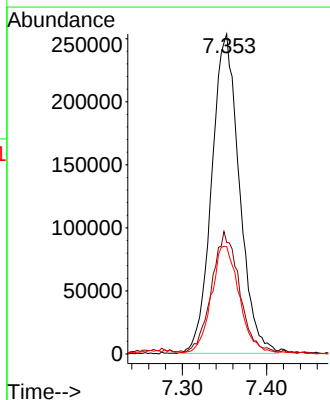
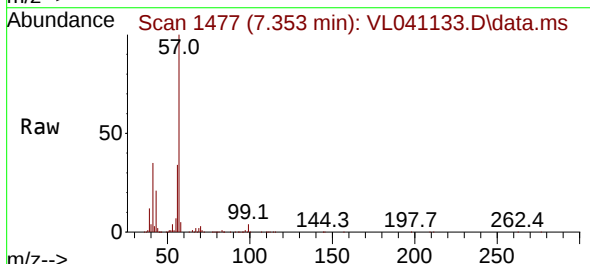
04/05/2024
Supervised By :Mahesh
Dadoda

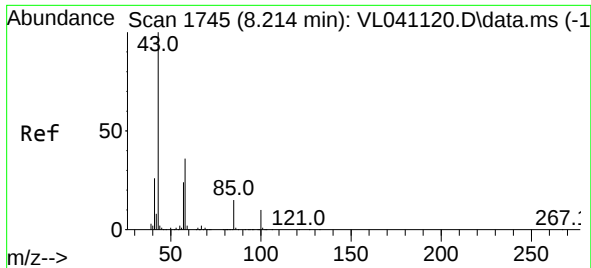
04/05/2024



#44
2,2,4-Trimethylpentane
Concen: 1.593 ppbv
RT: 7.353 min Scan# 1477
Delta R.T. -0.006 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

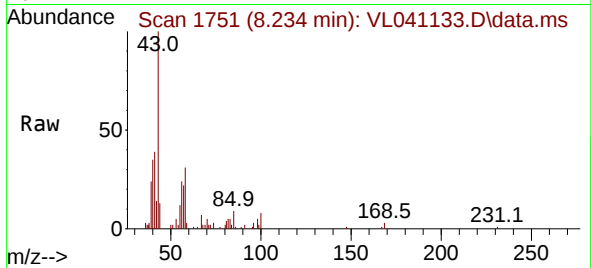
Tgt Ion: 57 Resp: 575642
Ion Ratio Lower Upper
57 100
41 39.8 28.2 42.2
56 34.4 25.2 37.8





#50
4-Methyl-2-Pentanone
Concen: 0.174 ppbv m
RT: 8.234 min Scan# 1751
Delta R.T. 0.019 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



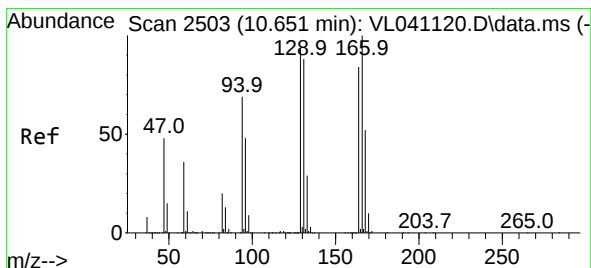
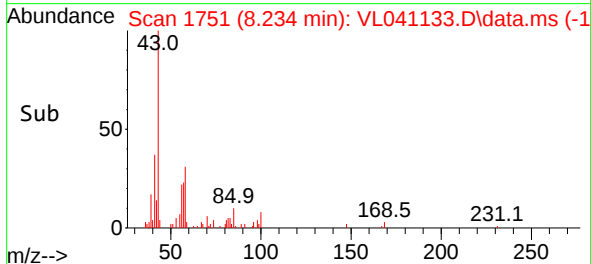
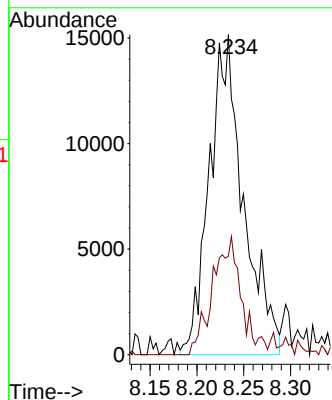
Tgt Ion: 43 Resp: 3850
Ion Ratio Lower Upper
43 100
58 0.0 27.7 41.5

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Yesilyurt

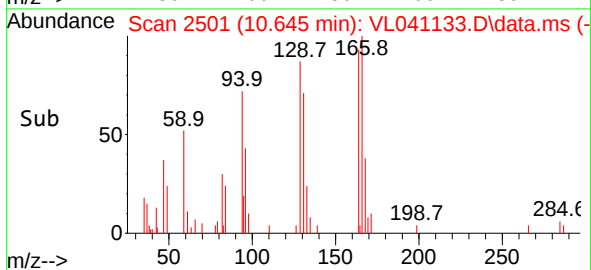
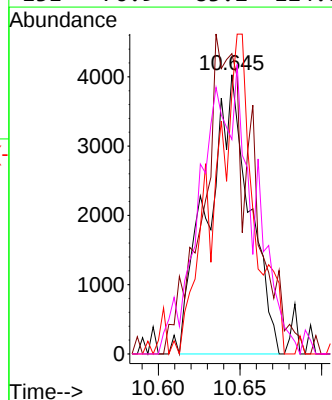
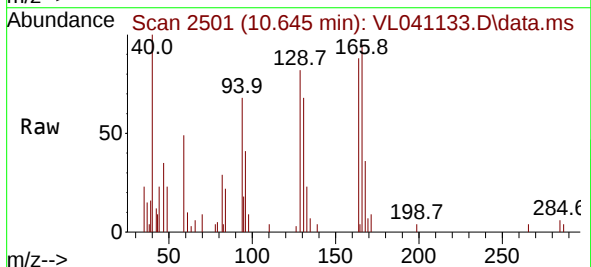
04/05/2024
Supervised By :Mahesh
Dadoda

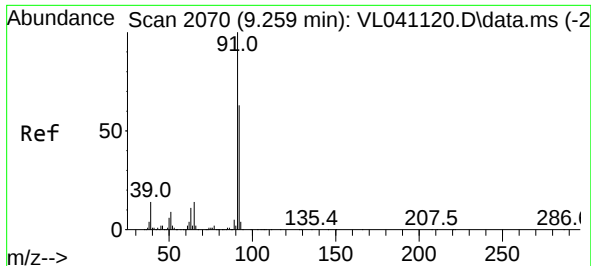
04/05/2024



#52
Tetrachloroethene
Concen: 0.103 ppbv m
RT: 10.645 min Scan# 2501
Delta R.T. -0.006 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

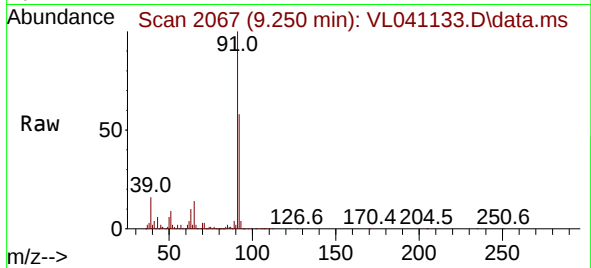
Tgt Ion:164 Resp: 7180
Ion Ratio Lower Upper
164 100
166 107.6 95.0 142.6
129 93.3 88.7 133.1
131 76.9 83.2 124.8





#53
Toluene
Concen: 6.398 ppbv
RT: 9.250 min Scan# 2070
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



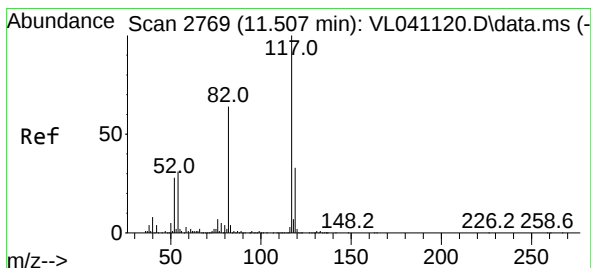
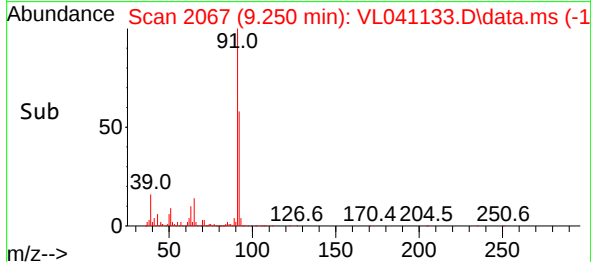
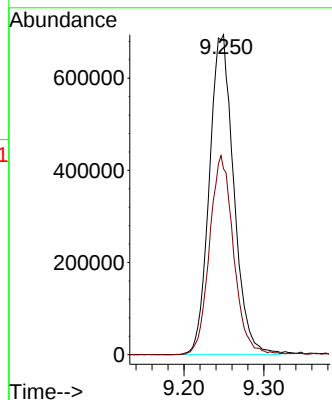
Tgt Ion: 91 Resp: 1470714
Ion Ratio Lower Upper
91 100
92 61.6 49.0 73.4

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Yesilyurt

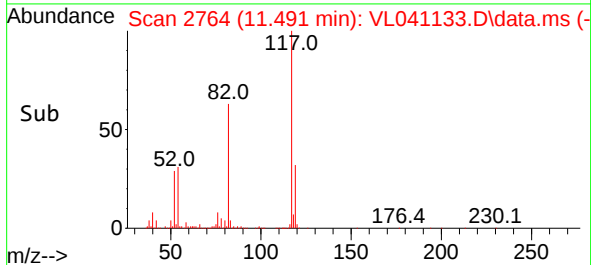
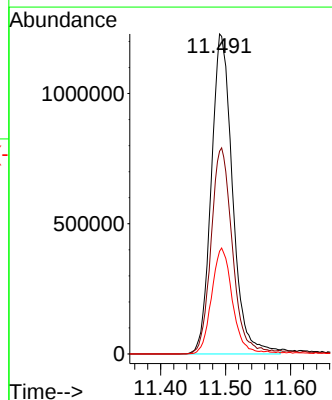
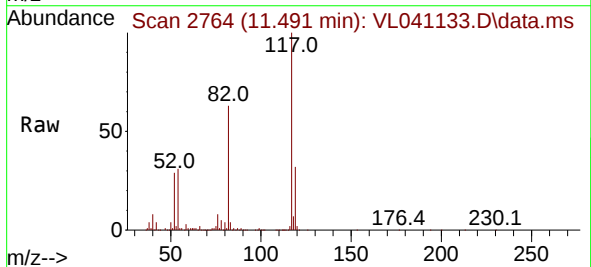
04/05/2024
Supervised By :Mahesh
Dadoda

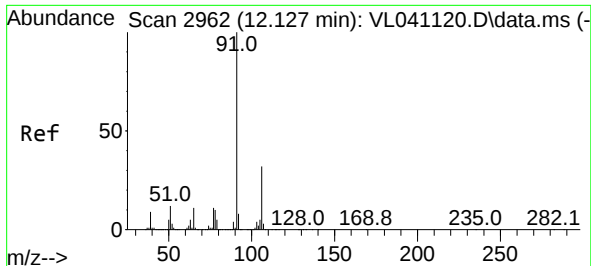
04/05/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 2764
Delta R.T. -0.016 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Tgt Ion:117 Resp: 2794557
Ion Ratio Lower Upper
117 100
82 67.0 51.0 76.6
119 33.4 25.2 37.8





#58

Ethyl Benzene

Concen: 0.594 ppbv

RT: 12.118 min Scan# 2962

Delta R.T. -0.010 min

Lab File: VL041133.D

Acq: 4 Apr 2024 20:12

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 18185

Ion Ratio Lower Upper

91 100

106 29.1 25.6 38.4

Manual Integrations

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Reviewed By :Semsettin

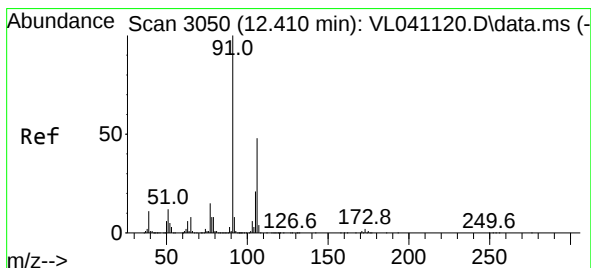
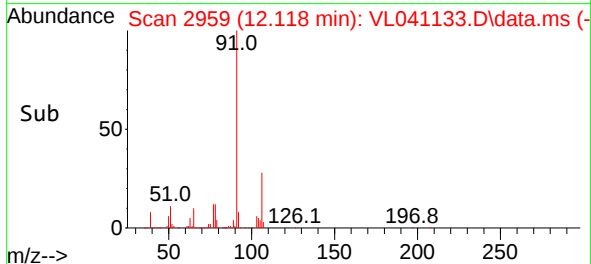
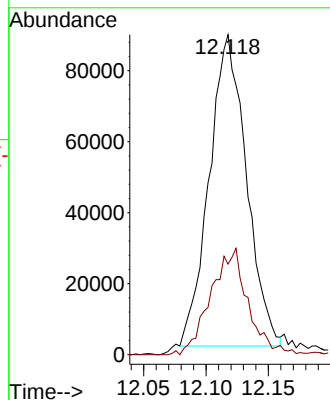
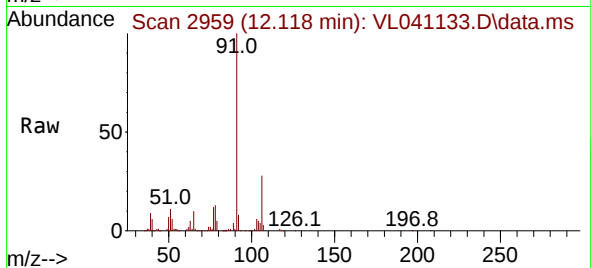
Yesilyurt

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Dadoda

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#59

m/p-Xylene

Concen: 2.125 ppbv

RT: 12.372 min Scan# 3038

Delta R.T. -0.039 min

Lab File: VL041133.D

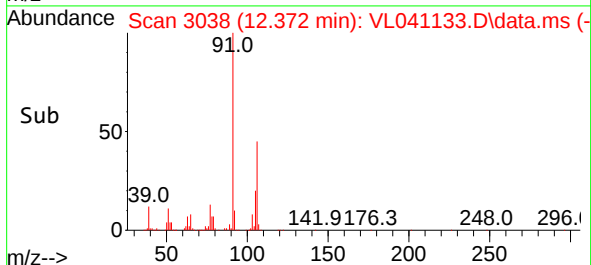
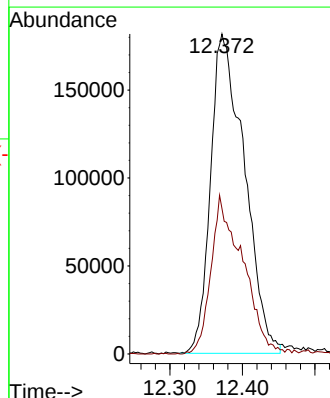
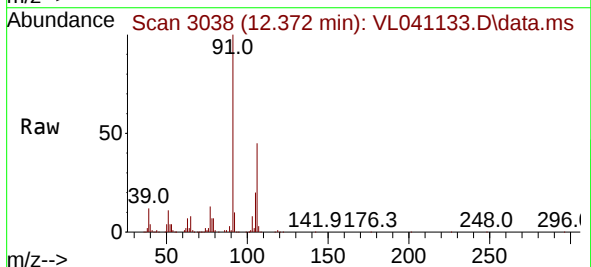
Acq: 4 Apr 2024 20:12

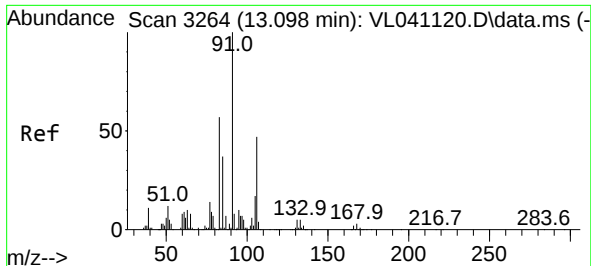
Tgt Ion: 91 Resp: 587267

Ion Ratio Lower Upper

91 100

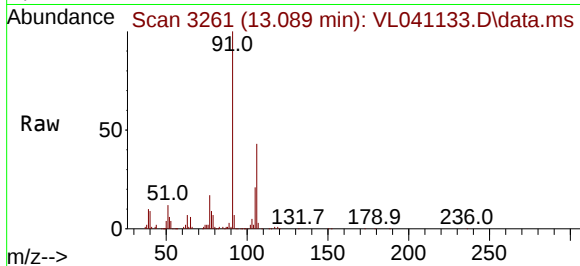
106 47.6 35.4 53.2





#60
o-Xylene
Concen: 0.770 ppbv
RT: 13.089 min Scan# 3109
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



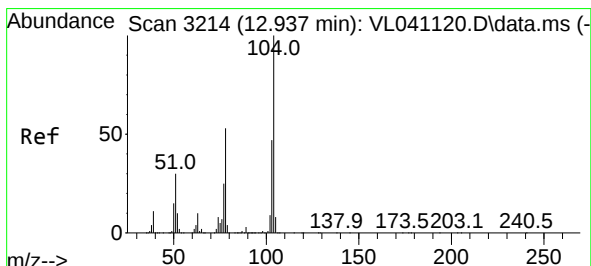
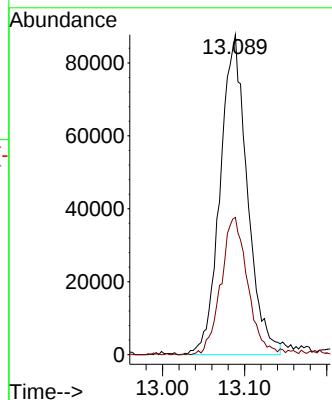
Tgt Ion: 91 Resp: 20155
Ion Ratio Lower Upper
91 100
106 41.7 22.9 68.5

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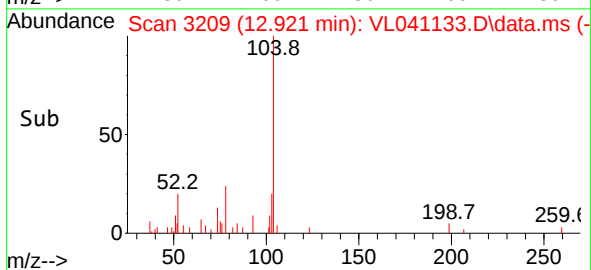
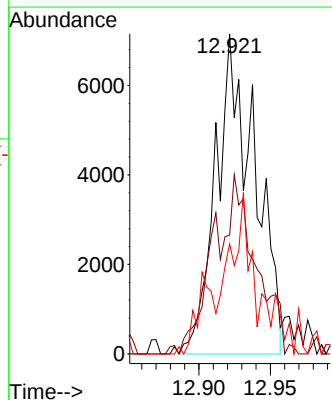
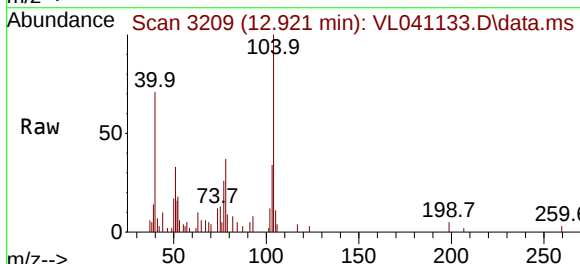
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Supervised By :Mahesh
Dadoda

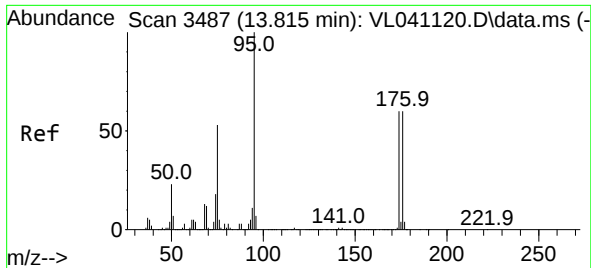
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#61
Styrene
Concen: 0.116 ppbv m
RT: 12.921 min Scan# 3209
Delta R.T. -0.016 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

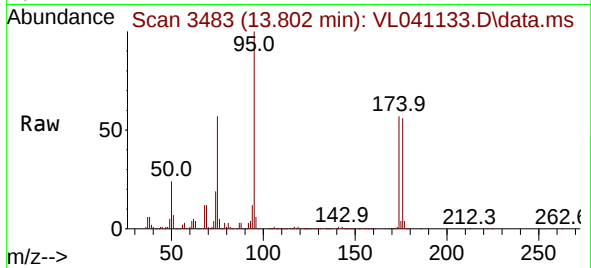
Tgt Ion:104 Resp: 13410
Ion Ratio Lower Upper
104 100
78 61.7 43.3 64.9
103 0.0 38.2 57.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.805 ppbv
RT: 13.802 min Scan# 3487
Delta R.T. -0.013 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



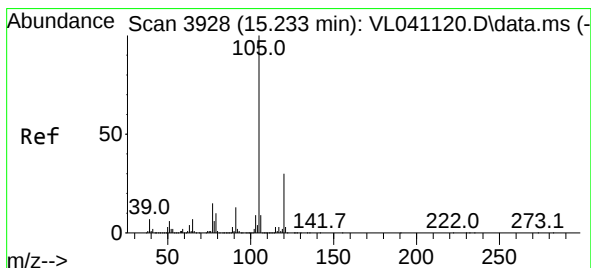
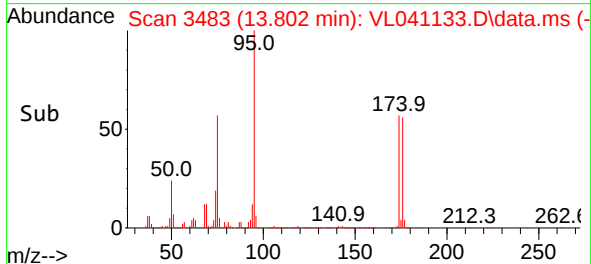
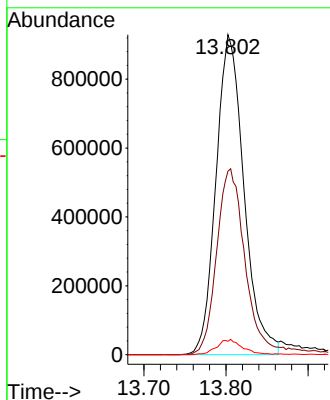
Tgt Ion: 95 Resp: 220330
Ion Ratio Lower Upper
95 100
174 60.4 49.3 73.9
175 4.6 3.6 5.4

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Yesilyurt

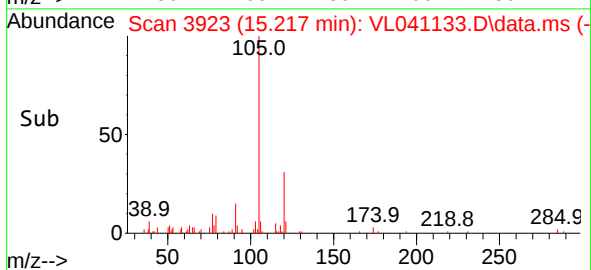
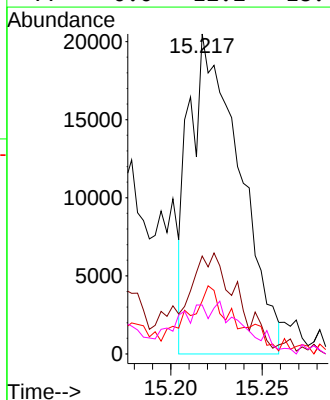
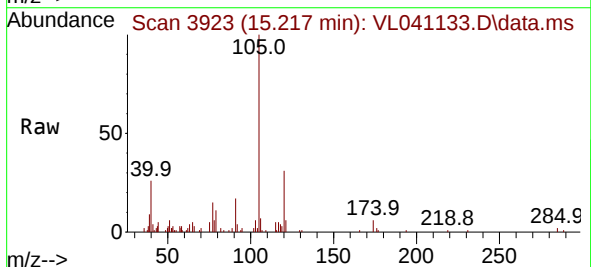
04/05/2024
Supervised By :Mahesh
Dadoda

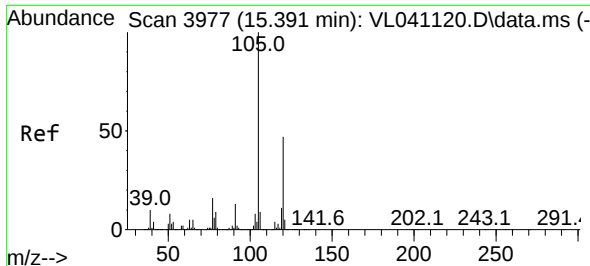
04/05/2024



#72
4-Ethyltoluene
Concen: 0.133 ppbv m
RT: 15.217 min Scan# 3923
Delta R.T. -0.016 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

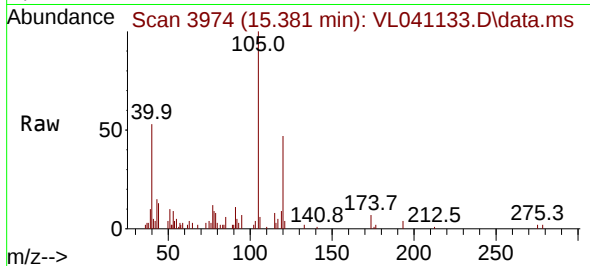
Tgt Ion:105 Resp: 39023
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.2#
91 0.0 11.2 16.8#
77 0.0 12.2 18.4#





#73
1,3,5-Trimethylbenzene
Concen: 0.105 ppbv m
RT: 15.381 min Scan# 3977
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Instrument :
MSVOA_L
ClientSampleId :
OA1



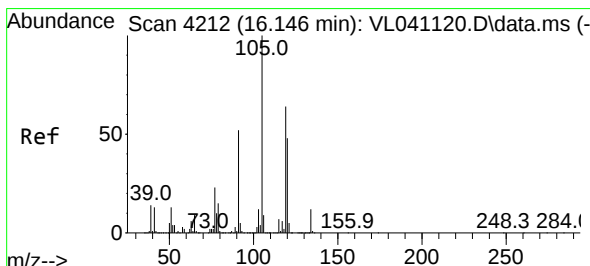
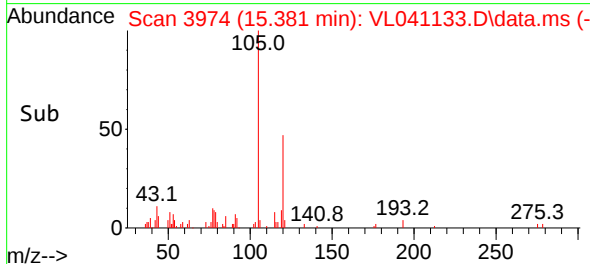
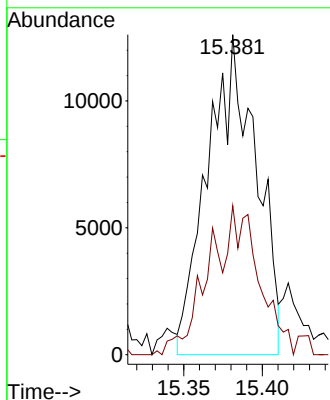
Tgt Ion:105 Resp: 26970
Ion Ratio Lower Upper
105 100
120 46.5 37.8 56.8

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Reviewed By :Semsettin
Yesilyurt

04/05/2024
Supervised By :Mahesh
Dadoda

04/05/2024



#74
1,2,4-Trimethylbenzene
Concen: 0.448 ppbv
RT: 16.137 min Scan# 4209
Delta R.T. -0.010 min
Lab File: VL041133.D
Acq: 4 Apr 2024 20:12

Tgt Ion:105 Resp: 132092
Ion Ratio Lower Upper
105 100
120 44.2 38.9 58.3
91 12.7 43.0 64.6#
77 16.6 18.6 28.0#

