

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037997.D
 Acq On : 10 Nov 2021 2:41
 Operator : SY/AP
 Sample : M4597-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-I

Quant Time: Nov 10 04:51:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LTue Nov 0
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin
 Yesilyurt
 11/15/2021
 Supervised By :Mahesh
 Dadoda
 11/17/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Bromochloromethane	5.668	49	1288556	10.000	ppbv	0.00	
33) 1,4-Difluorobenzene	7.176	114	3723067	10.000	ppbv	0.00	
55) Chlorobenzene-d5	12.082	117	3092041	10.000	ppbv	0.00	
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.413	95	2181343	9.705	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%	
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.050	85	52362m	0.288	ppbv		
3) Chlorodifluoromethane	2.996	51	1570493m	6.547	ppbv		
4) Chloromethane	3.144	50	39268m	0.431	ppbv		
9) Propene	3.025	41	180177m	2.095	ppbv		
11) Trichlorofluoromethane	3.954	101	36583	0.202	ppbv		100
13) Ethanol	3.616	45	172299m	19.858	ppbv		
15) Acetone	3.861	43	346491m	3.254	ppbv		
19) Isopropyl Alcohol	3.983	45	90548	1.330	ppbv #		85
20) Methylene Chloride	4.343	84	47588m	0.814	ppbv		
22) trans-1,2-Dichloroethene	4.886	96	565039	8.767	ppbv		94
26) Hexane	5.687	57	68073	0.454	ppbv #		49
34) 2-Butanone	5.253	43	251224	1.821	ppbv		95
35) Carbon Tetrachloride	7.025	117	12718m	0.057	ppbv		
36) Benzene	6.890	78	78378	0.259	ppbv		97
38) Trichloroethene	7.825	130	61850m	0.491	ppbv		
44) 2,2,4-Trimethylpentane	7.870	57	54872m	0.106	ppbv		
52) Tetrachloroethene	11.221	164	35269m	0.307	ppbv		
53) Toluene	9.809	91	296792	0.913	ppbv		99
58) Ethyl Benzene	12.706	91	51602m	0.136	ppbv		
59) m/p-Xylene	12.963	91	161235m	0.480	ppbv		
60) o-Xylene	13.687	91	92150m	0.291	ppbv		
61) Styrene	13.526	104	55593m	0.382	ppbv		
74) 1,2,4-Trimethylbenzene	16.757	105	41682m	0.117	ppbv		

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

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Instrument :
MSVOA_L
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Quant Time: Nov 10 04:51:34 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

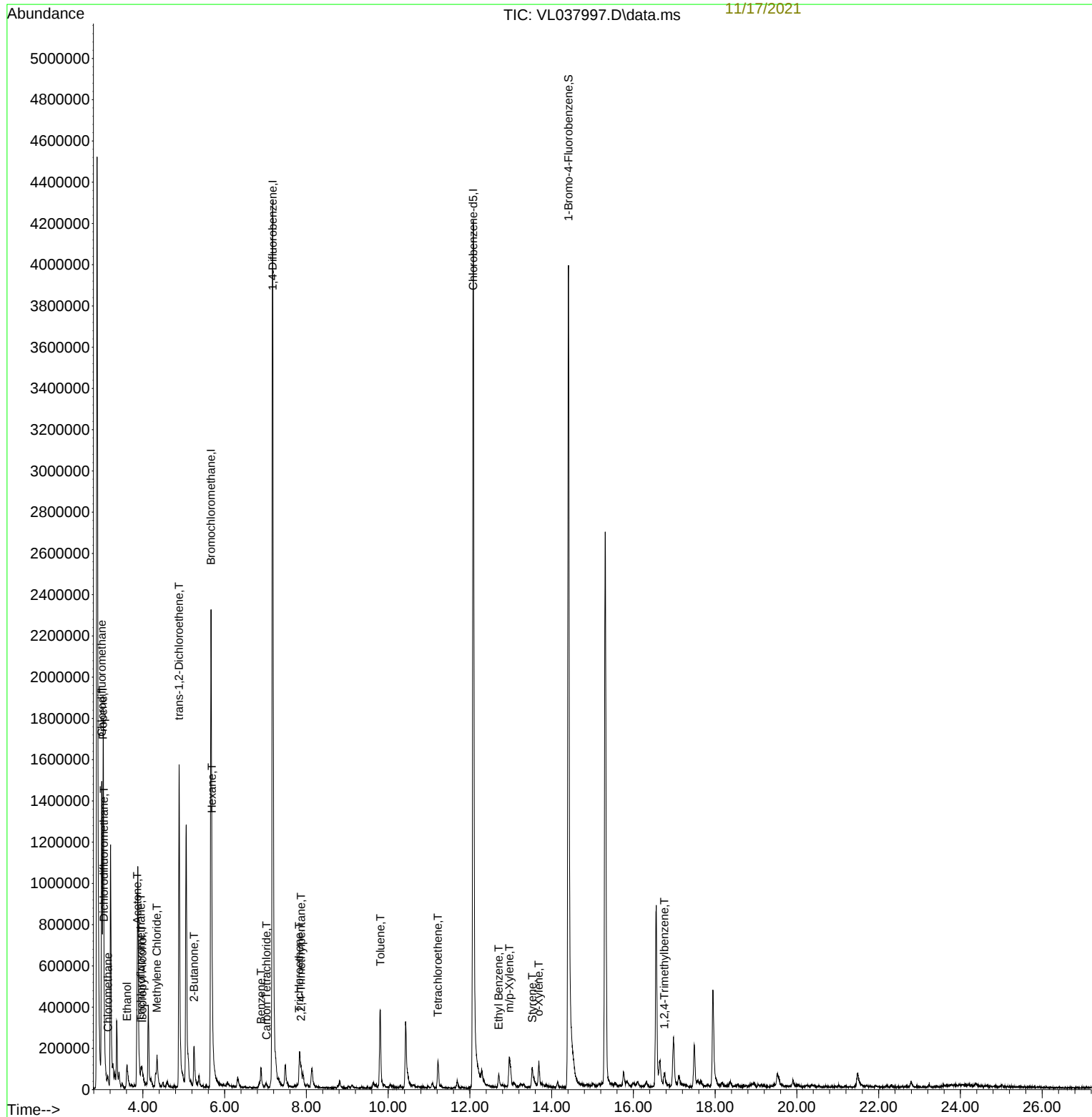
Manual Integrations
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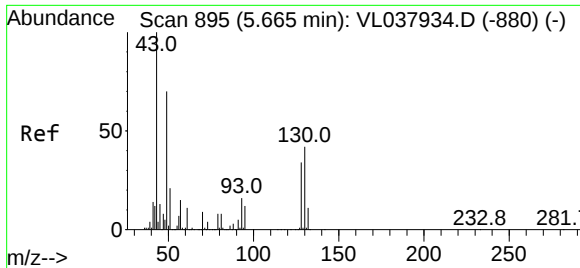
Reviewed By : Semsettin
Yesilyurt

11/15/2021

Supervised By : Mahesh
Dadoda

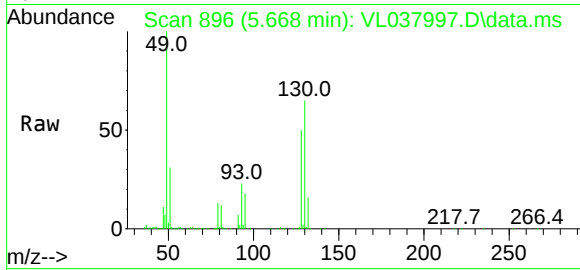
11/17/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 895
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

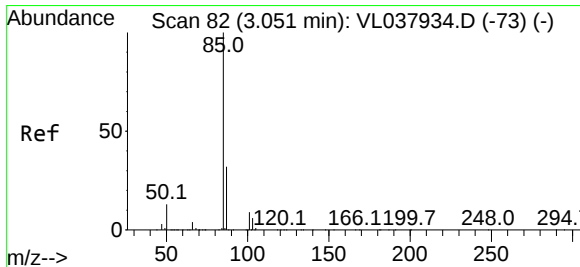
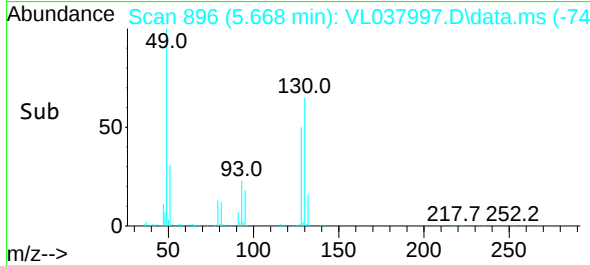
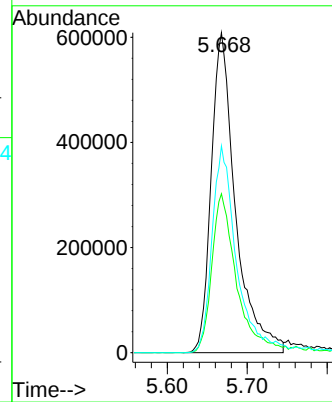
Instrument :
MSVOA_L
ClientSampleId :
IA-I



Tgt Ion: 49 Resp: 128855
Ion Ratio Lower Upper
49 100
128 52.1 27.0 81.0
130 67.7 33.4 100.2

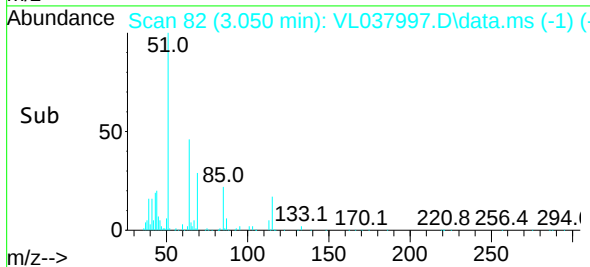
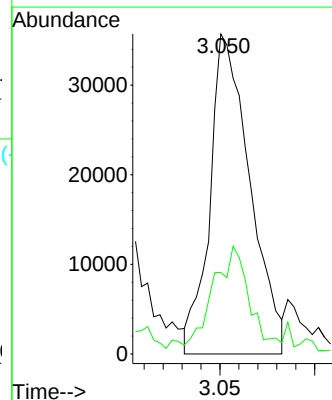
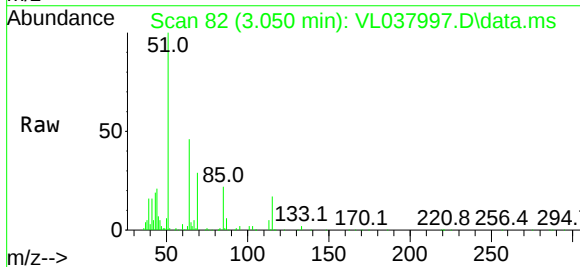
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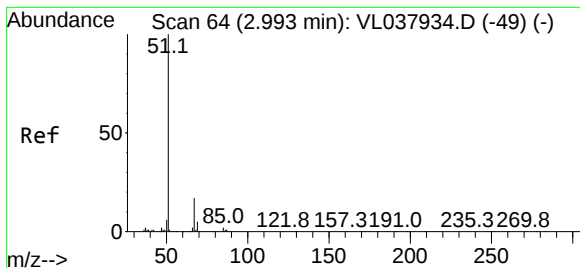
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
11/17/2021



#2
Dichlorodifluoromethane
Concen: 0.288 ppbv m
RT: 3.050 min Scan# 82
Delta R.T. -0.000 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

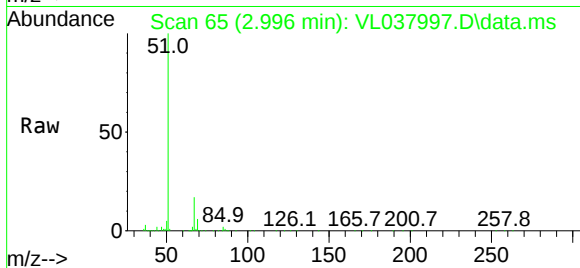
Tgt Ion: 85 Resp: 52362
Ion Ratio Lower Upper
85 100
87 25.5 25.3 37.9





#3
Chlorodifluoromethane
Concen: 6.547 ppbv m
RT: 2.996 min Scan# 64
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

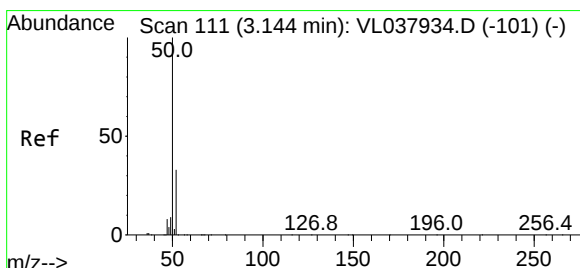
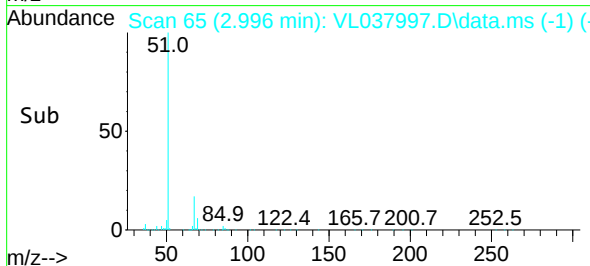
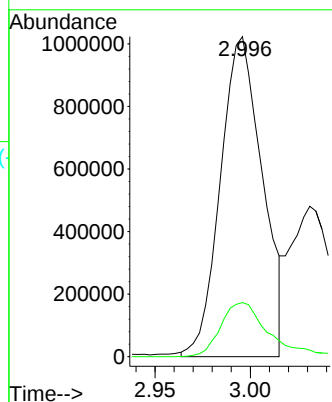
Instrument :
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Tgt Ion: 51 Resp: 157049
Ion Ratio Lower Upper
51 100
67 20.3 13.4 20.0

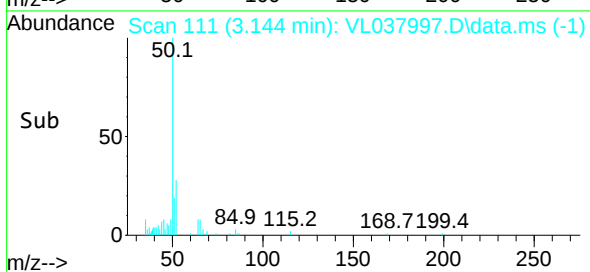
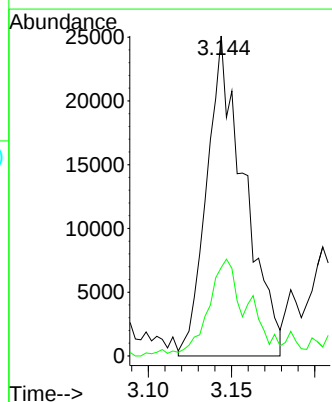
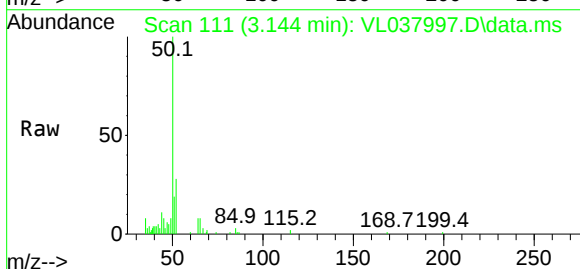
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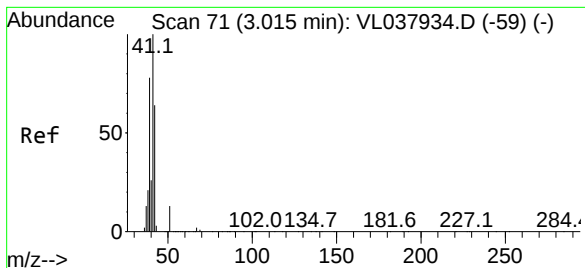
Reviewed By :Semsettin
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11/15/2021
Supervised By :Mahesh
Dadoda
11/17/2021



#4
Chloromethane
Concen: 0.431 ppbv m
RT: 3.144 min Scan# 111
Delta R.T. -0.000 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

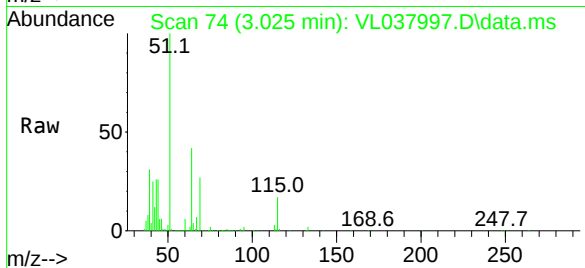
Tgt Ion: 50 Resp: 39268
Ion Ratio Lower Upper
50 100
52 27.6 26.3 39.5





#9
 Propene
 Concen: 2.095 ppbv m
 RT: 3.025 min Scan# 74
 Delta R.T. 0.010 min
 Lab File: VL037997.D
 Acq: 10 Nov 2021 2:41

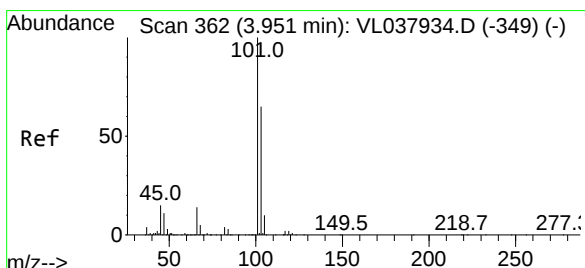
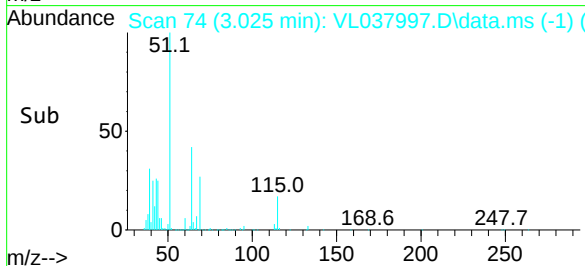
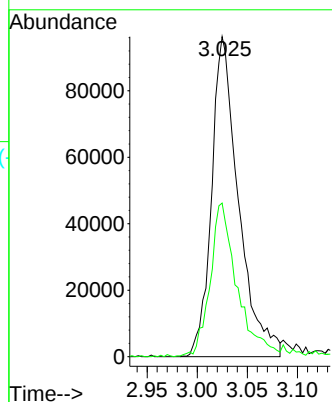
Instrument :
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 ClientSampleId :
 IA-I



Tgt Ion: 41 Resp: 18017
 Ion Ratio Lower Upper
 41 100
 42 157.4 57.6 86.4

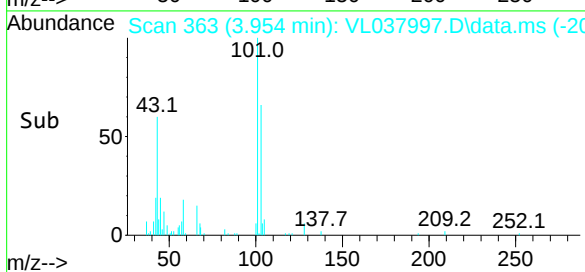
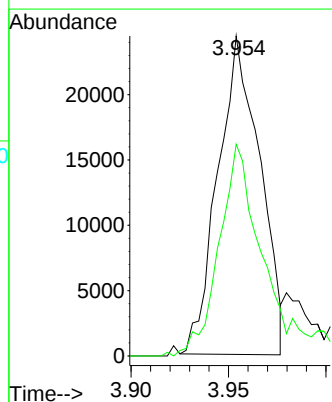
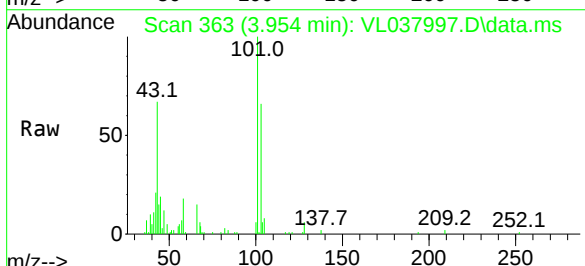
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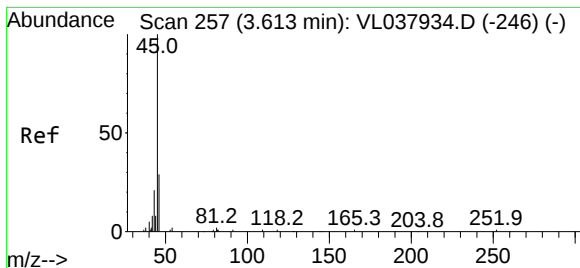
Reviewed By :Semsettin
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 Supervised By :Mahesh
 Dadoda
 11/17/2021



#11
 Trichlorofluoromethane
 Concen: 0.202 ppbv
 RT: 3.954 min Scan# 363
 Delta R.T. 0.003 min
 Lab File: VL037997.D
 Acq: 10 Nov 2021 2:41

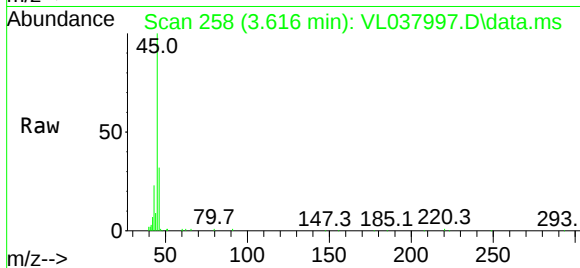
Tgt Ion:101 Resp: 36583
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.0 78.0





#13
Ethanol
Concen: 19.858 ppbv m
RT: 3.616 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

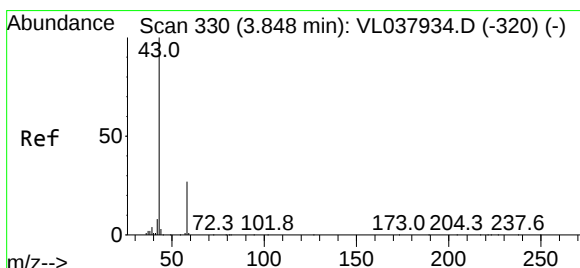
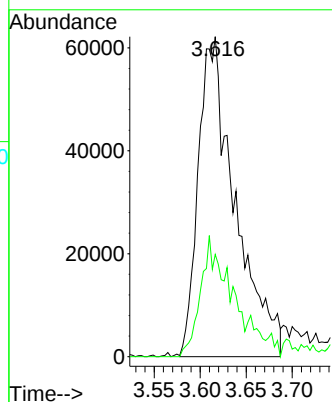
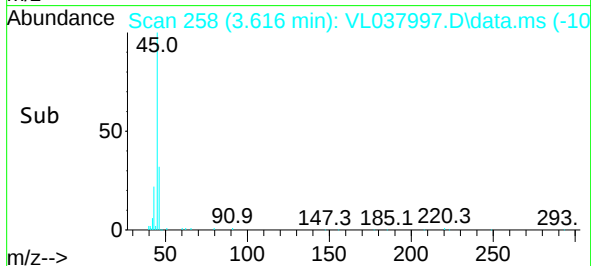
Instrument :
MSVOA_L
ClientSampleId :
IA-I



Tgt Ion: 45 Resp: 172299
Ion Ratio Lower Upper
45 100
46 0.0 17.4 69.8

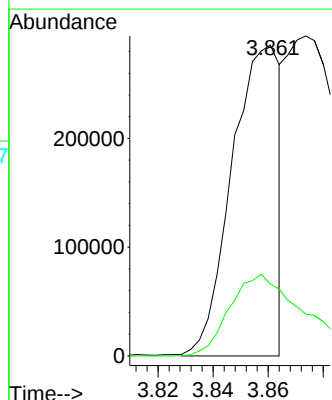
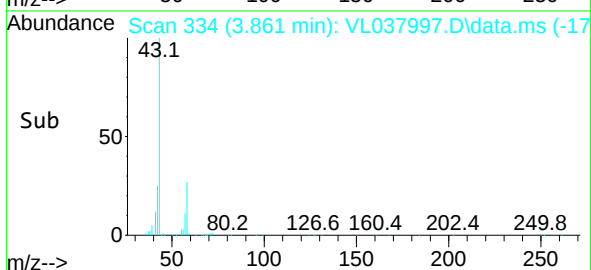
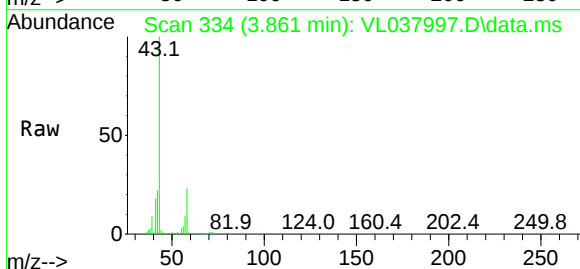
Manual Integrations
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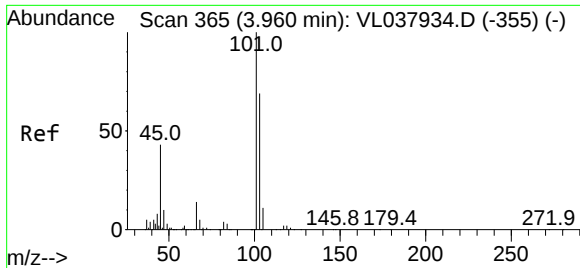
Reviewed By :Semsettin
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Supervised By :Mahesh
Dadoda
11/17/2021



#15
Acetone
Concen: 3.254 ppbv m
RT: 3.861 min Scan# 334
Delta R.T. 0.013 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

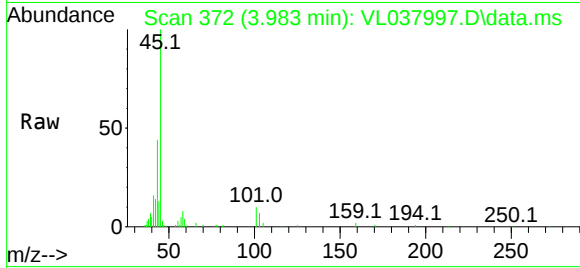
Tgt Ion: 43 Resp: 346491
Ion Ratio Lower Upper
43 100
58 49.5 23.3 34.9





#19
Isopropyl Alcohol
Concen: 1.330 ppbv
RT: 3.983 min Scan# 31
Delta R.T. 0.022 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

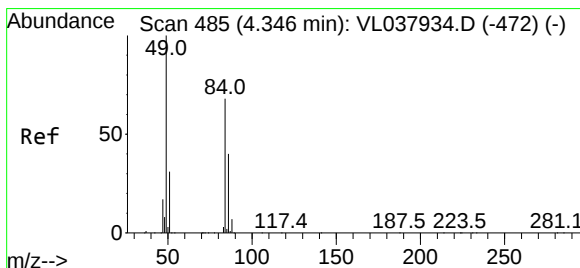
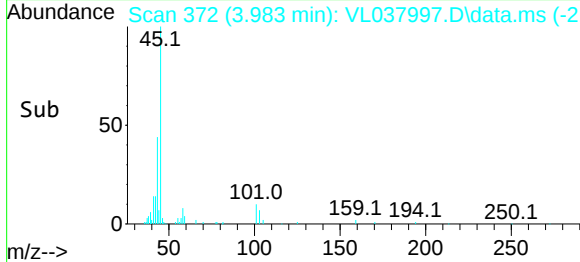
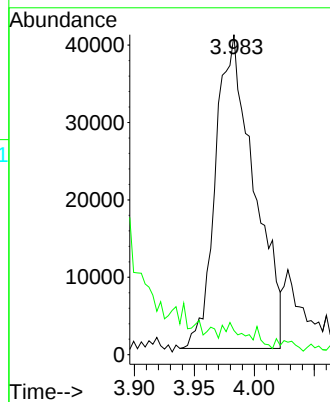
Instrument :
MSVOA_L
ClientSampleId :
IA-I



Tgt Ion: 45 Resp: 90548
Ion Ratio Lower Upper
45 100
58 0.0 4.0 6.0

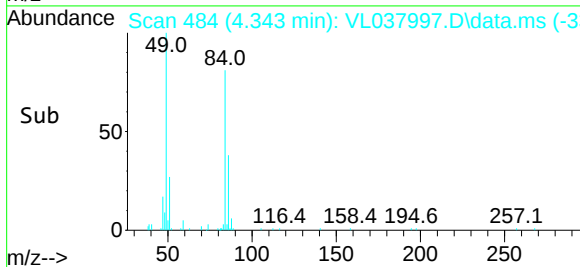
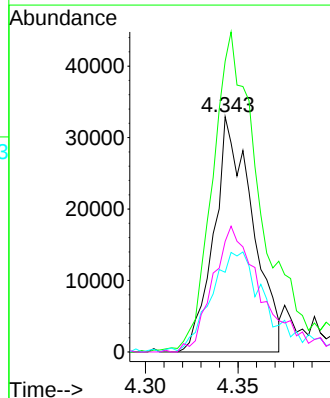
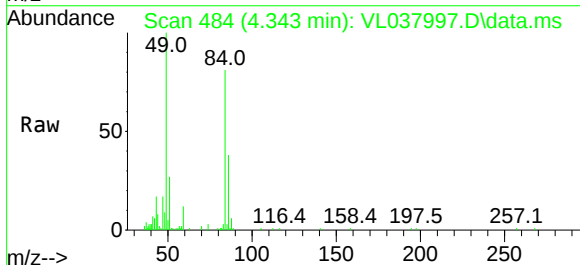
Manual Integrations
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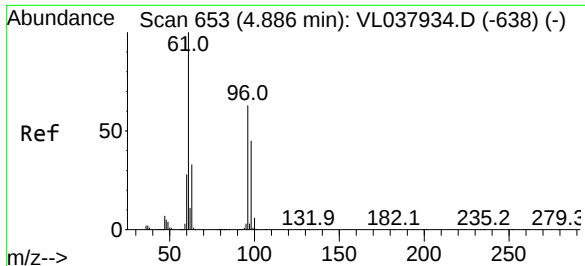
Reviewed By :Semsettin
Yesilyurt
11/15/2021
Supervised By :Mahesh
Dadoda
11/17/2021



#20
Methylene Chloride
Concen: 0.814 ppbv m
RT: 4.343 min Scan# 484
Delta R.T. -0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

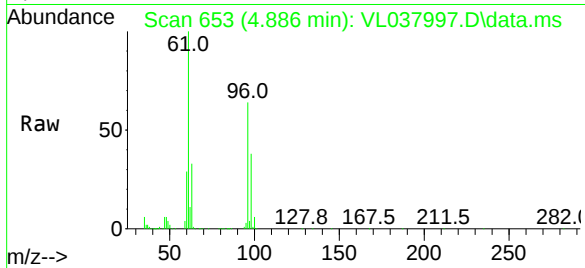
Tgt Ion: 84 Resp: 47588
Ion Ratio Lower Upper
84 100
49 123.7 117.5 176.3
51 33.9 35.9 53.9#
86 47.0 47.3 70.9#





#22
trans-1,2-Dichloroethene
Concen: 8.767 ppbv
RT: 4.886 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
1A-I

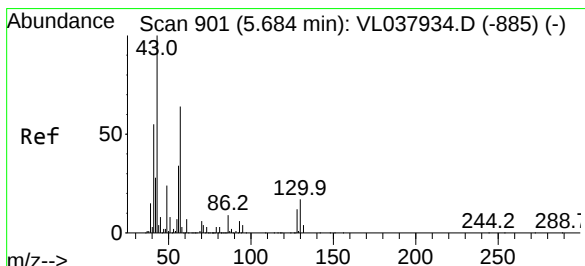
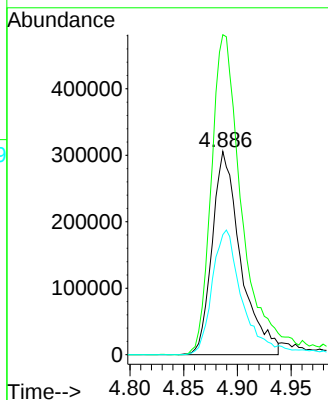
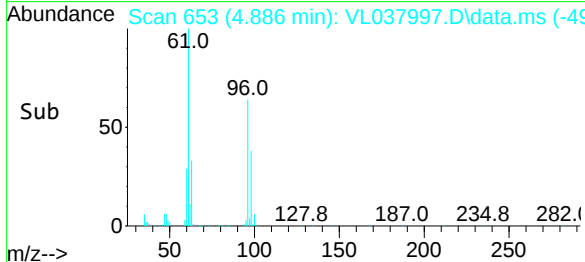


Tgt Ion: 96 Resp: 565039
Ion Ratio Lower Upper
96 100
61 157.4 127.8 191.6
98 59.1 56.9 85.3

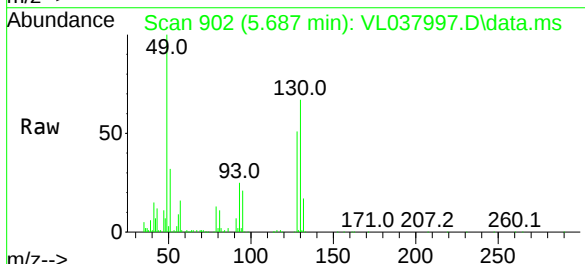
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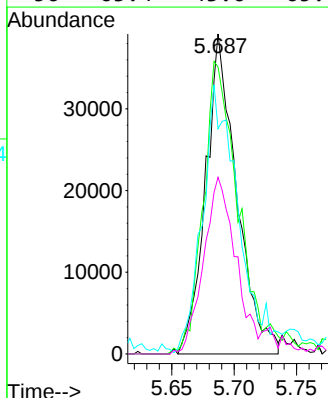
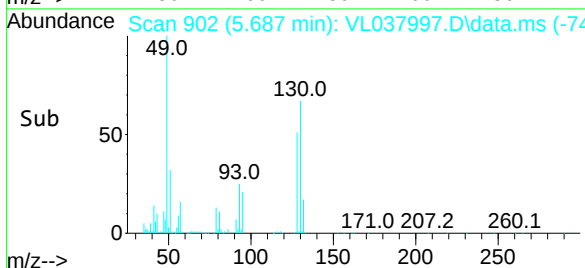
Supervised By :Mahesh
Dadoda
11/17/2021

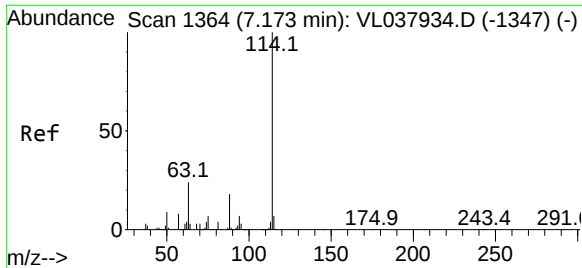


#26
Hexane
Concen: 0.454 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41



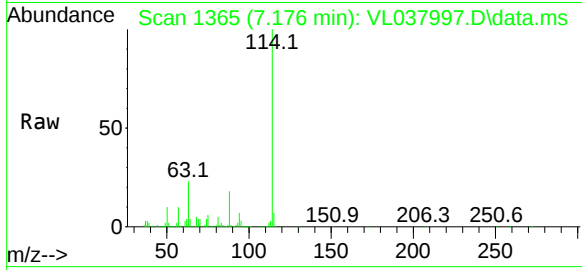
Tgt Ion: 57 Resp: 68073
Ion Ratio Lower Upper
57 100
41 111.2 71.0 106.6#
43 101.5 173.0 259.6#
56 63.4 43.6 65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
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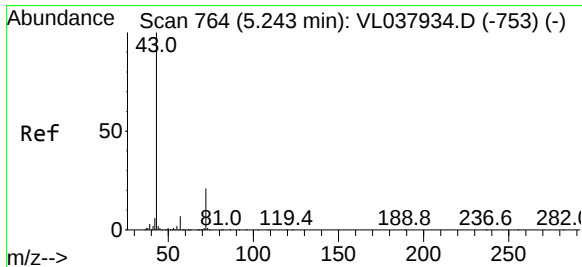
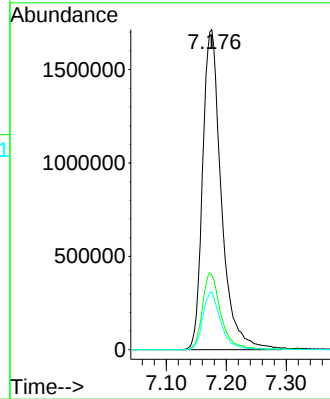
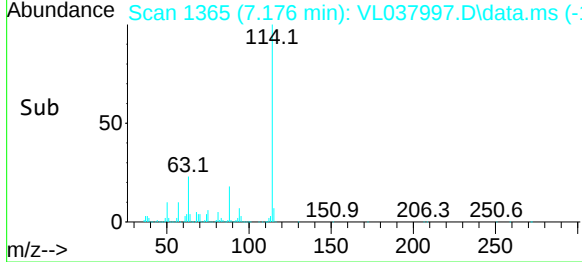


Tgt Ion:114 Resp: 372306
Ion Ratio Lower Upper
114 100
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88 17.5 14.2 21.4

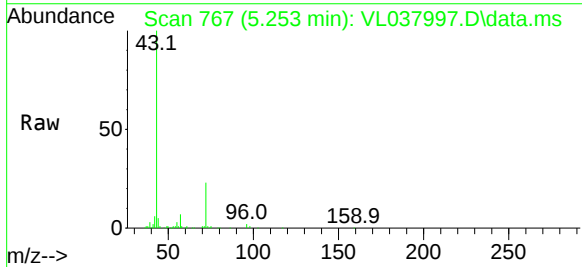
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11/15/2021

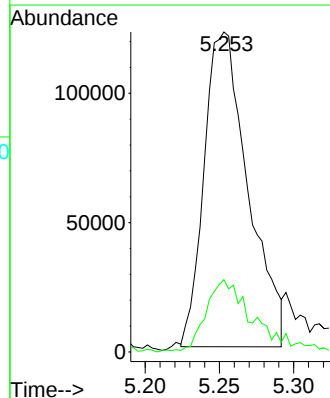
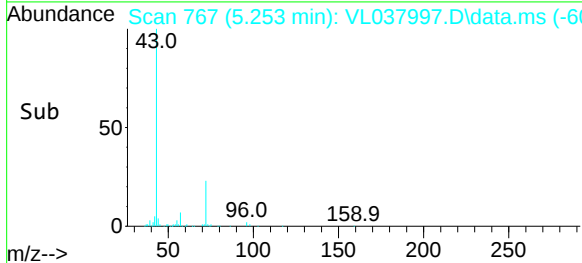
Supervised By :Mahesh
Dadoda
11/17/2021

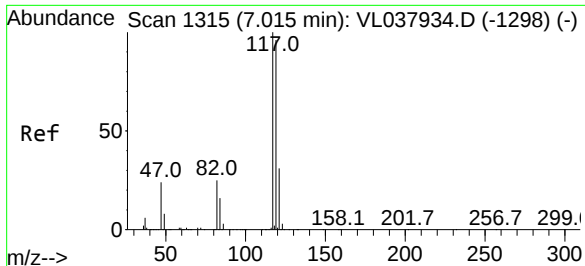


#34
2-Butanone
Concen: 1.821 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.010 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41



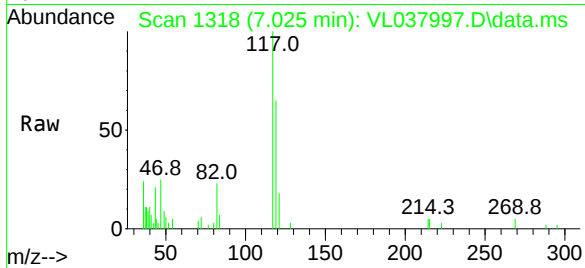
Tgt Ion: 43 Resp: 251224
Ion Ratio Lower Upper
43 100
72 25.3 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.057 ppbv m
RT: 7.025 min Scan# 1315
Delta R.T. 0.010 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
IA-I

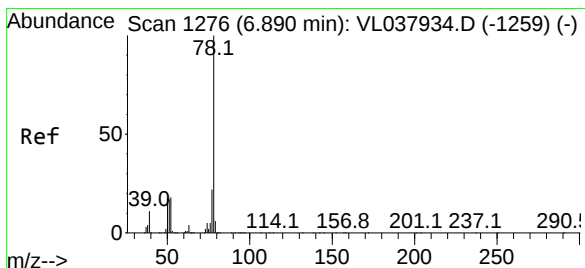
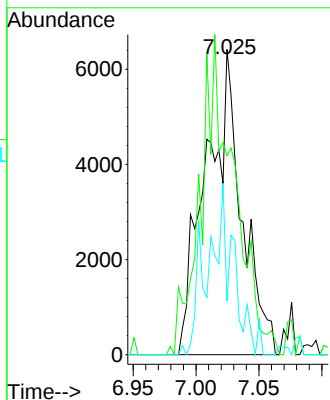


Tgt Ion: 117 Resp: 12718
Ion Ratio Lower Upper
117 100
119 65.2 76.6 114.8
121 17.6 25.1 37.7

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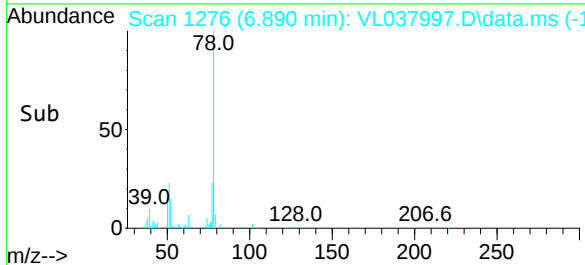
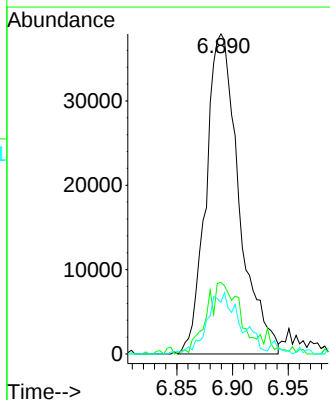
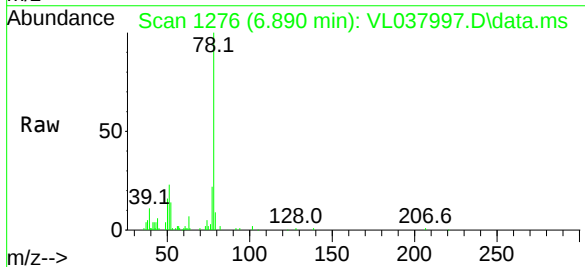
Reviewed By :Semsettin
Yesilyurt
11/15/2021

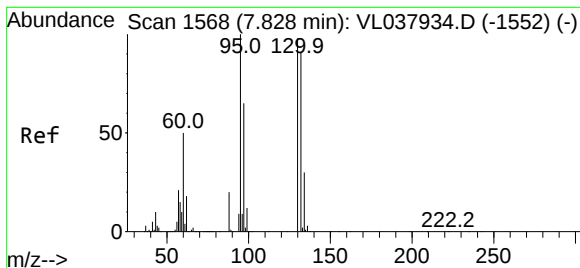
Supervised By :Mahesh
Dadoda
11/17/2021



#36
Benzene
Concen: 0.259 ppbv
RT: 6.890 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

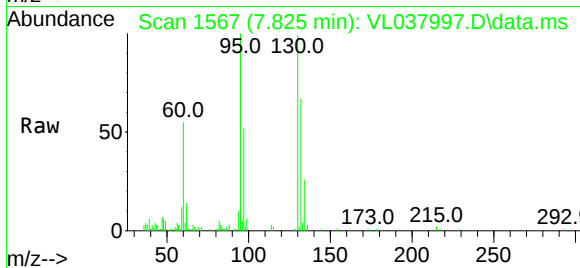
Tgt Ion: 78 Resp: 78378
Ion Ratio Lower Upper
78 100
77 22.1 17.9 26.9
50 15.4 14.4 21.6





#38
Trichloroethene
Concen: 0.491 ppbv m
RT: 7.825 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
IA-I

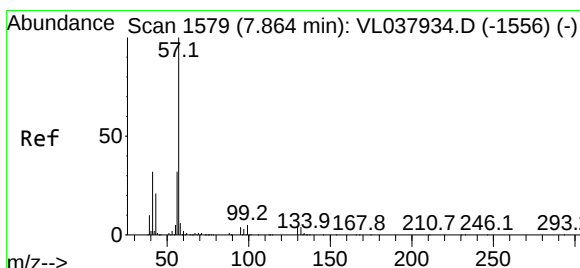
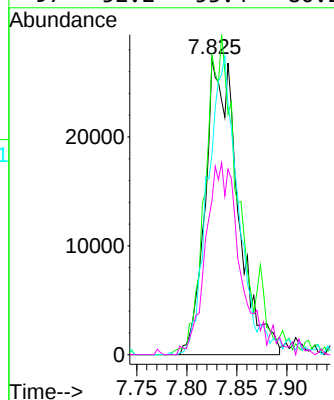


Tgt Ion:130 Resp: 61850
Ion Ratio Lower Upper
130 100
95 101.1 81.8 122.8
132 67.8 74.2 111.2
97 52.2 53.4 80.2

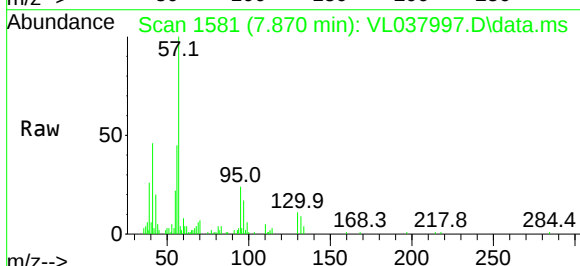
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Reviewed By :Semsettin
Yesilyurt
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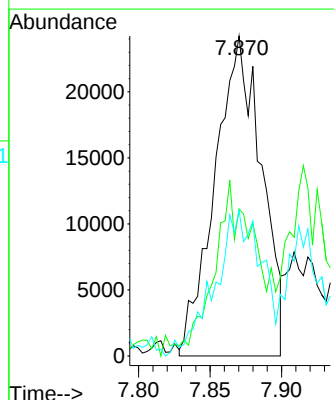
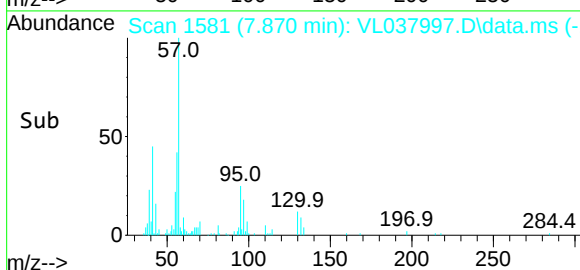
Supervised By :Mahesh
Dadoda
11/17/2021

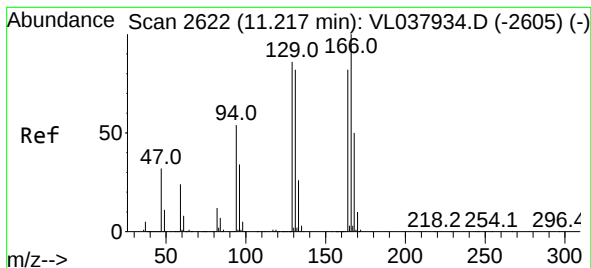


#44
2,2,4-Trimethylpentane
Concen: 0.106 ppbv m
RT: 7.870 min Scan# 1581
Delta R.T. 0.006 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41



Tgt Ion: 57 Resp: 54872
Ion Ratio Lower Upper
57 100
41 50.8 25.8 38.8#
56 47.0 25.9 38.9#





#52

Tetrachloroethene

Concen: 0.307 ppbv m

RT: 11.221 min Scan# 2

Delta R.T. 0.003 min

Lab File: VL037997.D

Acq: 10 Nov 2021 2:41

Instrument :

MSVOA_L

ClientSampleId :

IA-I

Tgt Ion:164 Resp: 3526

Ion Ratio Lower Upper

164 100

166 112.7 97.6 146.4

129 84.1 84.2 126.2

131 90.9 79.6 119.4

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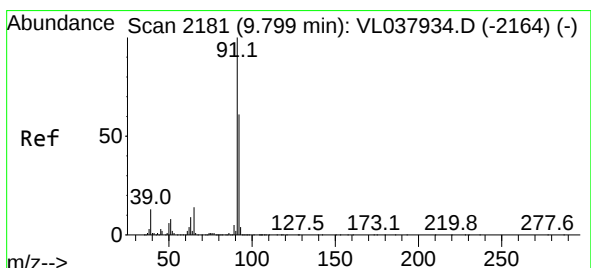
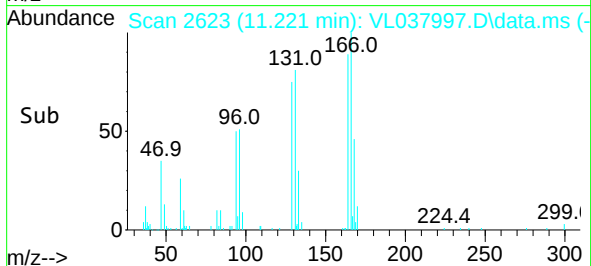
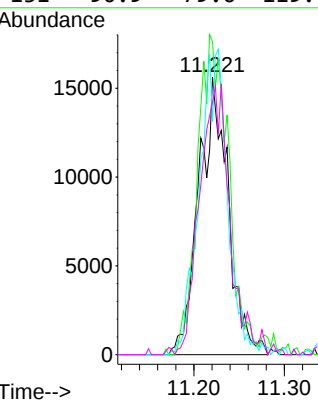
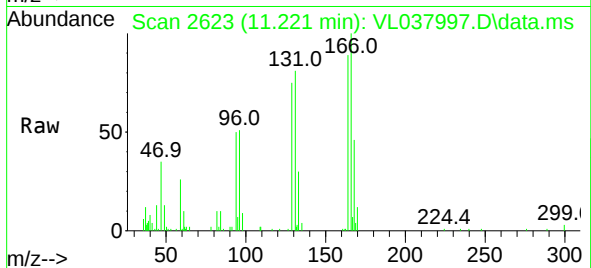
Yesilyurt

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Dadoda

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#53

Toluene

Concen: 0.913 ppbv

RT: 9.809 min Scan# 2184

Delta R.T. 0.010 min

Lab File: VL037997.D

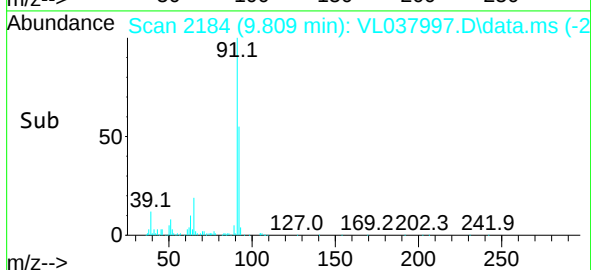
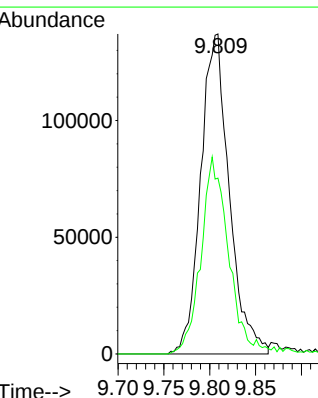
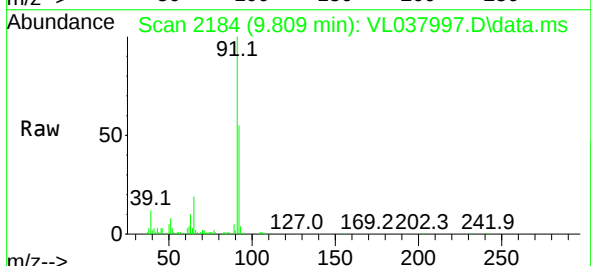
Acq: 10 Nov 2021 2:41

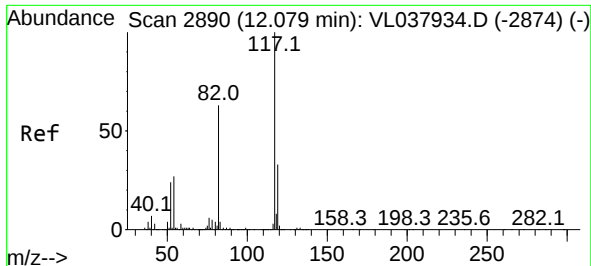
Tgt Ion: 91 Resp: 296792

Ion Ratio Lower Upper

91 100

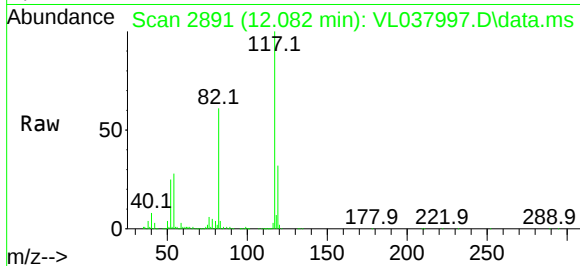
92 60.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.082 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
IA-I



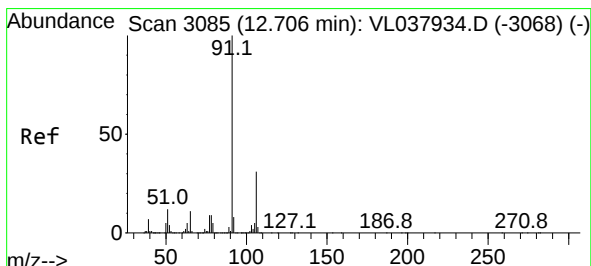
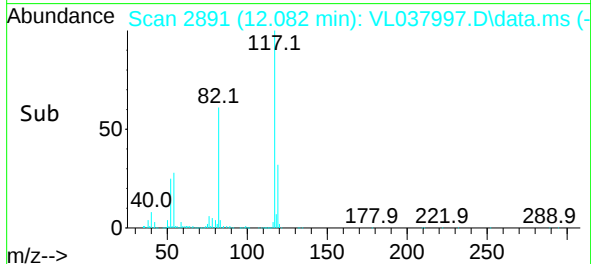
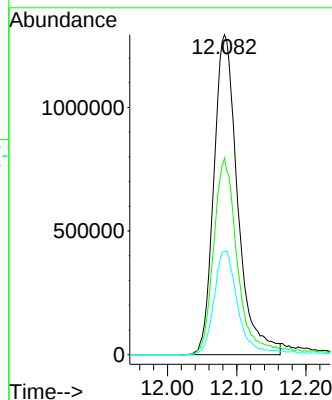
Tgt Ion:117 Resp: 309204

Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.0	76.6
119	33.3	26.9	40.3

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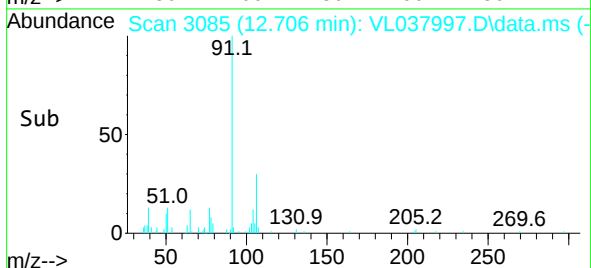
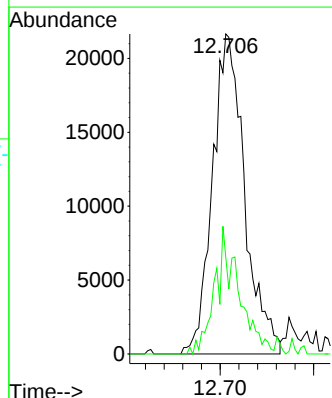
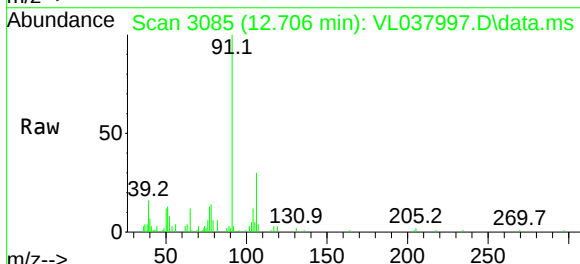
Supervised By :Mahesh
Dadoda
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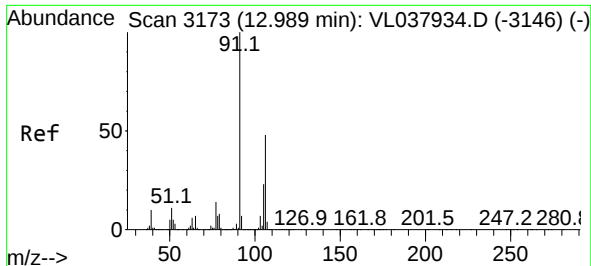


#58
Ethyl Benzene
Concen: 0.136 ppbv m
RT: 12.706 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Tgt Ion: 91 Resp: 51602

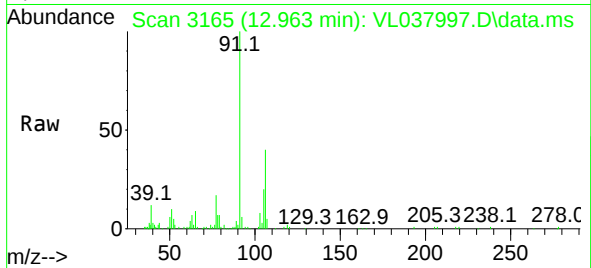
Ion	Ratio	Lower	Upper
91	100		
106	30.1	25.1	37.7





#59
m/p-Xylene
Concen: 0.480 ppbv m
RT: 12.963 min Scan# 3173
Delta R.T. -0.026 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

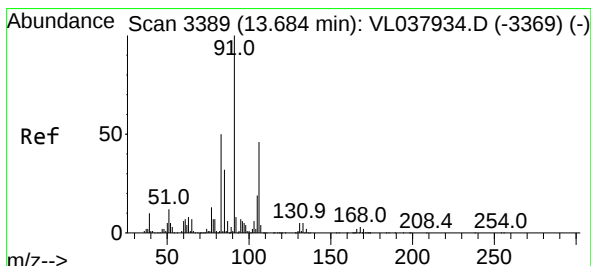
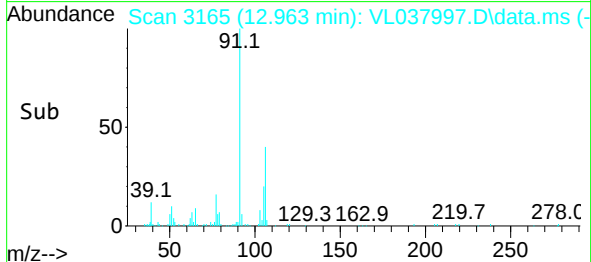
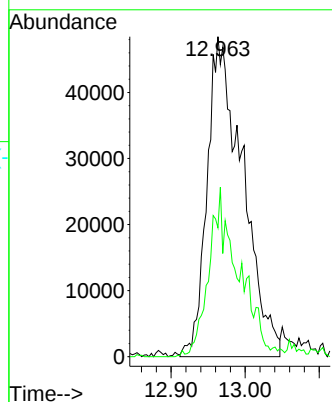
Instrument :
MSVOA_L
ClientSampleId :
IA-I



Tgt Ion: 91 Resp: 161235
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7

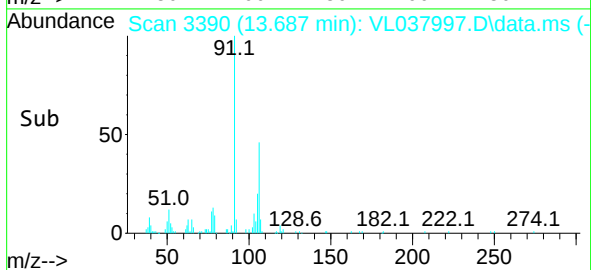
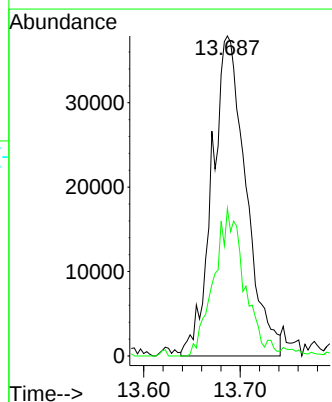
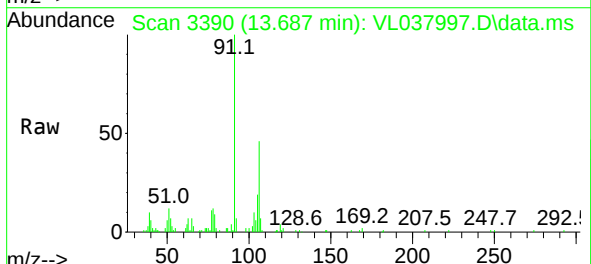
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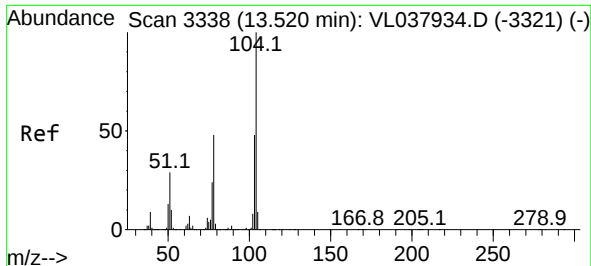
Reviewed By :Semsettin
Yesilyurt
11/15/2021
Supervised By :Mahesh
Dadoda
11/17/2021



#60
o-Xylene
Concen: 0.291 ppbv m
RT: 13.687 min Scan# 3390
Delta R.T. 0.003 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

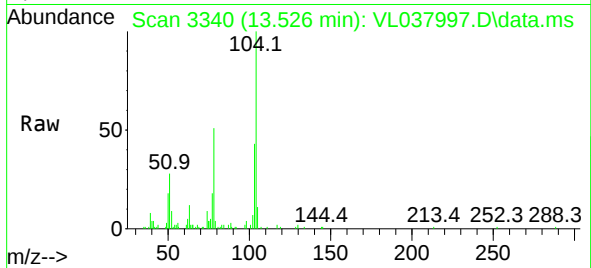
Tgt Ion: 91 Resp: 92150
Ion Ratio Lower Upper
91 100
106 43.2 23.5 70.6





#61
Styrene
Concen: 0.382 ppbv m
RT: 13.526 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41

Instrument :
MSVOA_L
ClientSampleId :
IA-I

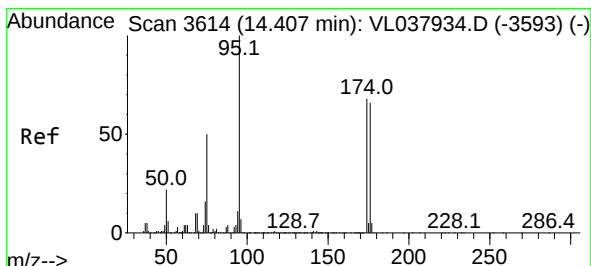
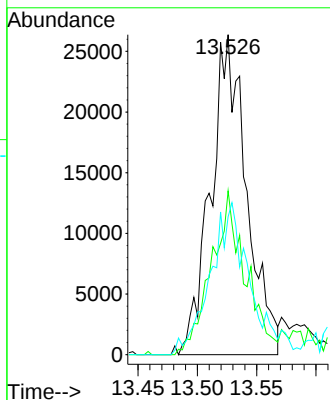
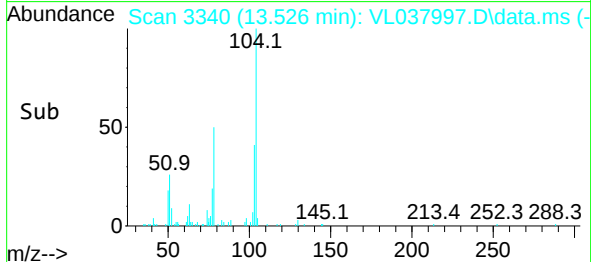


Tgt Ion:104 Resp: 5559
Ion Ratio Lower Upper
104 100
78 49.6 39.3 58.9
103 56.0 39.6 59.4

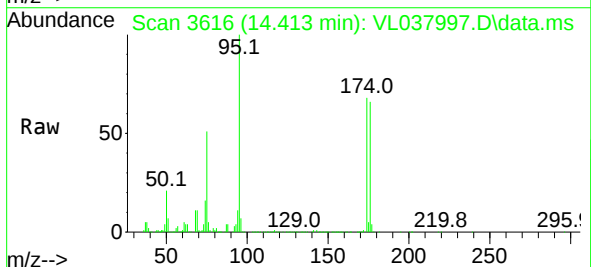
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Reviewed By :Semsettin
Yesilyurt
11/15/2021

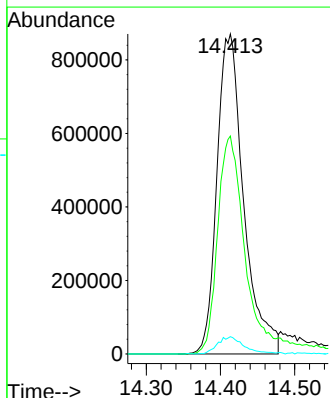
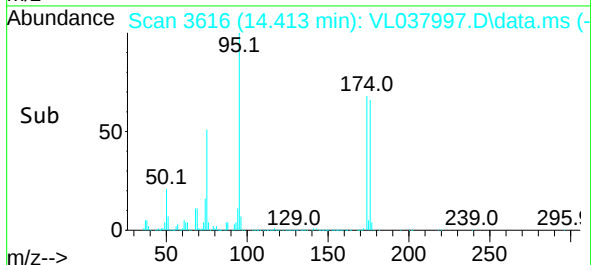
Supervised By :Mahesh
Dadoda
11/17/2021

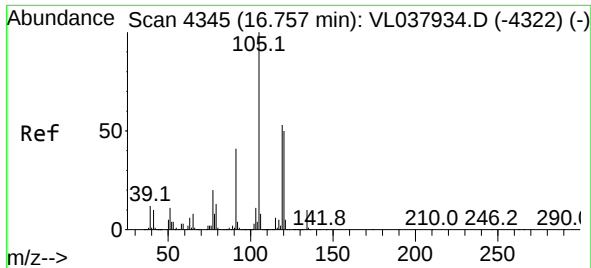


#68
1-Bromo-4-Fluorobenzene
Concen: 9.705 ppbv
RT: 14.413 min Scan# 3616
Delta R.T. 0.006 min
Lab File: VL037997.D
Acq: 10 Nov 2021 2:41



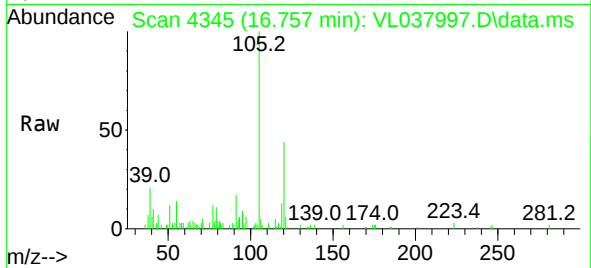
Tgt Ion: 95 Resp: 2181343
Ion Ratio Lower Upper
95 100
174 74.9 58.3 87.5
175 5.5 4.6 6.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.117 ppbv m
 RT: 16.757 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL037997.D
 Acq: 10 Nov 2021 2:41

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-I



Tgt Ion:	105	Resp:	4168
Ion	Ratio	Lower	Upper
105	100		
120	43.6	40.0	60.0
91	16.8	32.6	49.0
77	11.8	15.8	23.8

Manual Integrations
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Reviewed By :Semsettin
 Yesilyurt
 11/15/2021

Supervised By :Mahesh
 Dadoda
 11/17/2021

