

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037954.D
 Acq On : 2 Nov 2021 1:32
 Operator : SY/AP
 Sample : M4425-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021
 Supervised By :Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 06:09:08 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 02 06:09:08 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1395512	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4063639	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3442080	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2508149 10.024 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	51093m	0.260	ppbv	
3) Chlorodifluoromethane	2.983	51	77707m	0.299	ppbv	
4) Chloromethane	3.137	50	55388m	0.561	ppbv	
9) Propene	3.021	41	145153m	1.558	ppbv	
10) Heptane	8.108	43	45500m	0.210	ppbv	
11) Trichlorofluoromethane	3.944	101	45721m	0.234	ppbv	
13) Ethanol	3.600	45	386864	41.170	ppbv	92
15) Acetone	3.841	43	916807	7.950	ppbv	98
19) Isopropyl Alcohol	3.964	45	623185	8.451	ppbv #	92
20) Methylene Chloride	4.340	84	364458	5.757	ppbv	98
26) Hexane	5.677	57	204715	1.261	ppbv #	58
29) Chloroform	5.742	83	69142m	0.286	ppbv	
30) Cyclohexane	7.118	84	26813m	0.193	ppbv	
34) 2-Butanone	5.237	43	87467	0.581	ppbv	97
35) Carbon Tetrachloride	6.999	117	12356m	0.050	ppbv	
36) Benzene	6.870	78	51706m	0.156	ppbv	
52) Tetrachloroethene	11.214	164	20255m	0.161	ppbv	
53) Toluene	9.790	91	139155m	0.392	ppbv	
58) Ethyl Benzene	12.693	91	332993	0.791	ppbv	96
59) m/p-Xylene	12.944	91	458763m	1.226	ppbv	
60) o-Xylene	13.671	91	137353	0.389	ppbv	99
74) 1,2,4-Trimethylbenzene	16.741	105	97962m	0.247	ppbv	

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

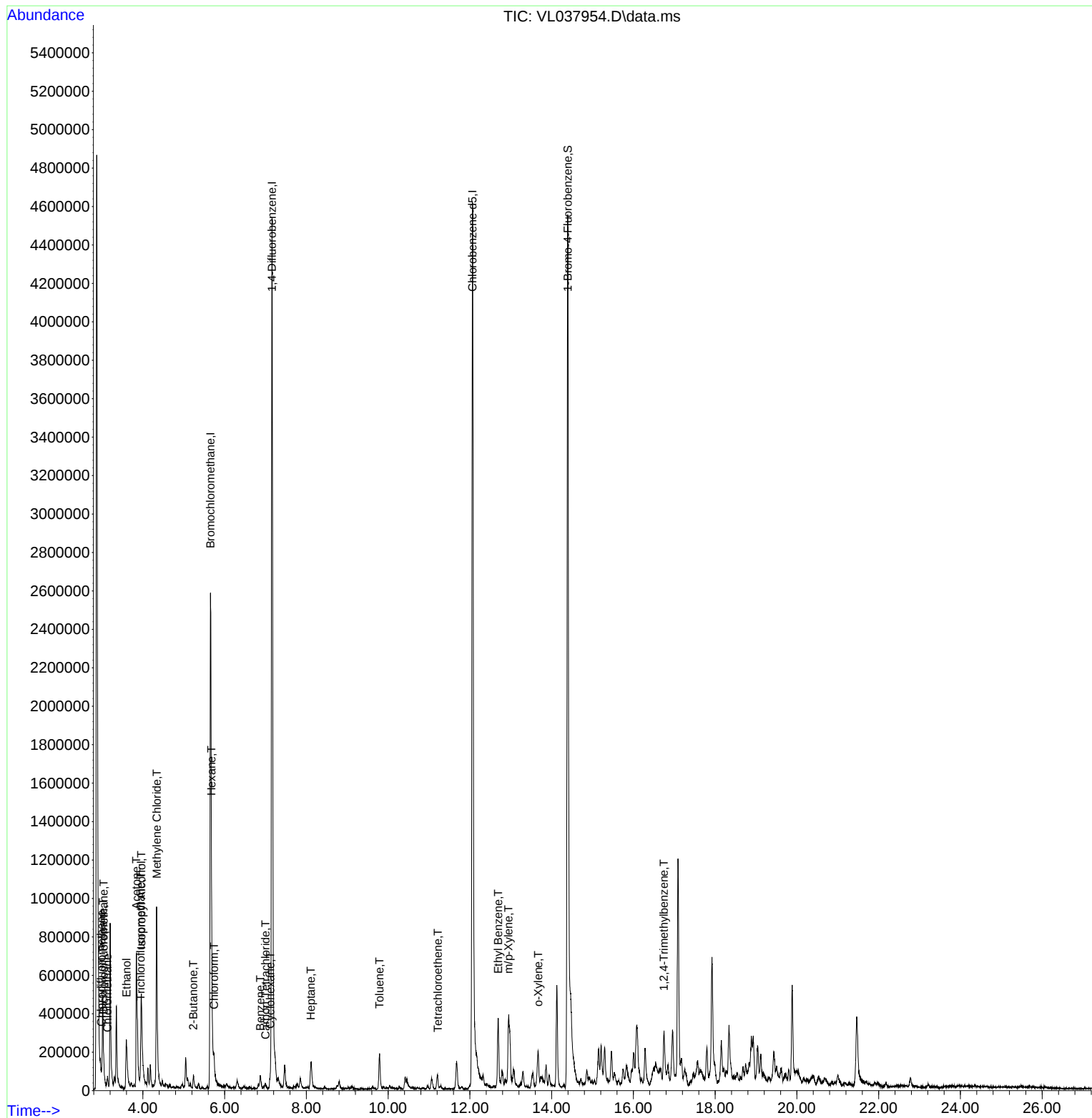
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
Data File : VL037954.D
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Operator : SY/AP
Sample : M4425-02
Misc : 400mL/MSVOA_L
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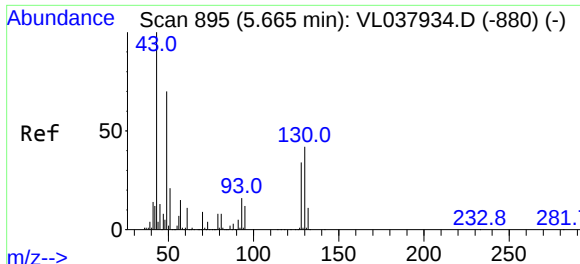
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Nov 02 06:09:08 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

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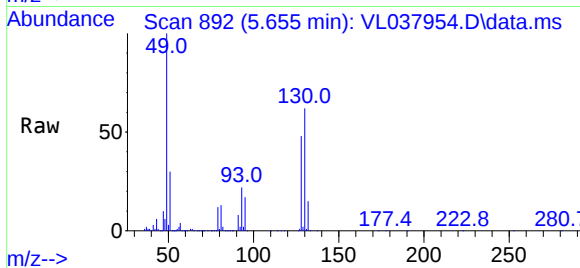
Reviewed By : Semsettin Yesilyurt 11/05/2021
Supervised By : Mahesh Dadoda 11/10/2021





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 895
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

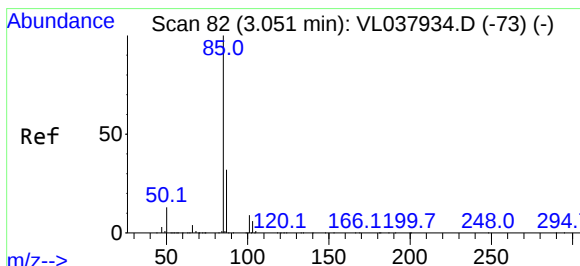
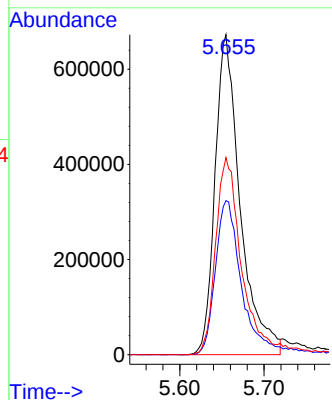
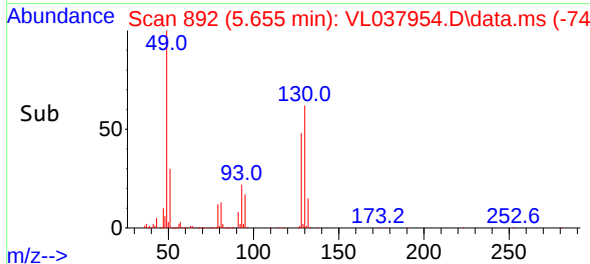
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 139551
Ion Ratio Lower Upper
49 100
128 52.0 27.0 81.0
130 65.9 33.4 100.2

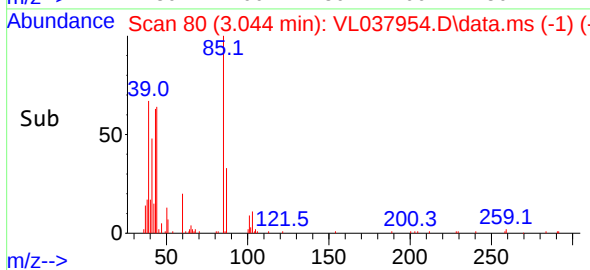
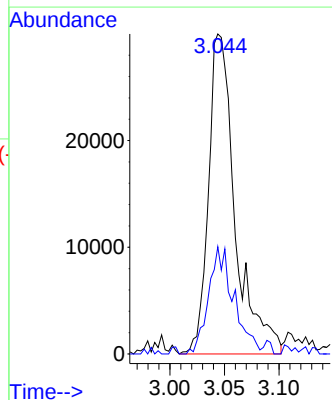
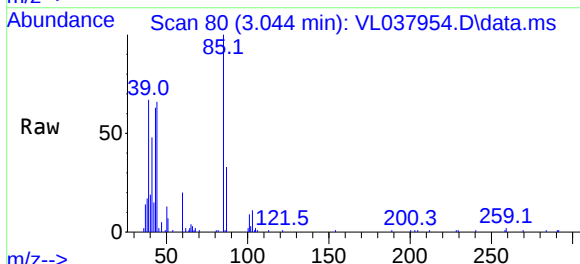
Manual Integrations
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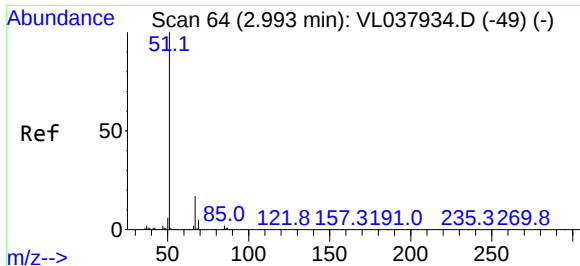
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#2
Dichlorodifluoromethane
Concen: 0.260 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

Tgt Ion: 85 Resp: 51093
Ion Ratio Lower Upper
85 100
87 33.5 25.3 37.9





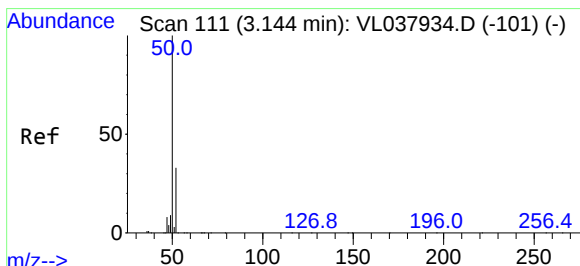
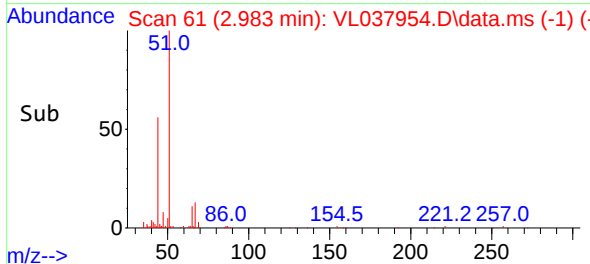
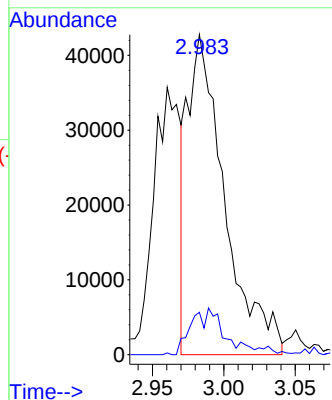
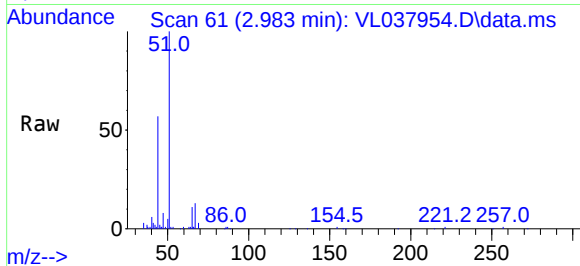
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Chlorodifluoromethane
Concen: 0.299 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 7770
Ion Ratio Lower Upper
51 100
67 14.7 13.4 20.0

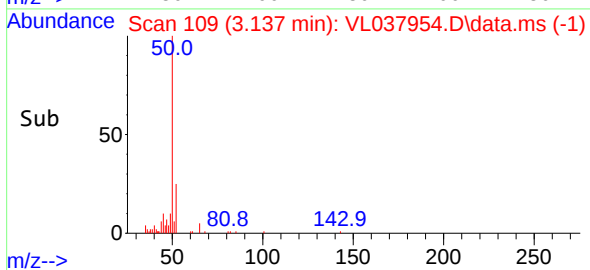
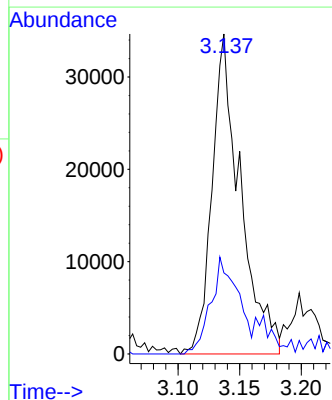
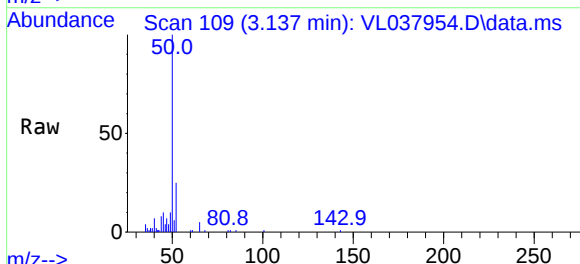
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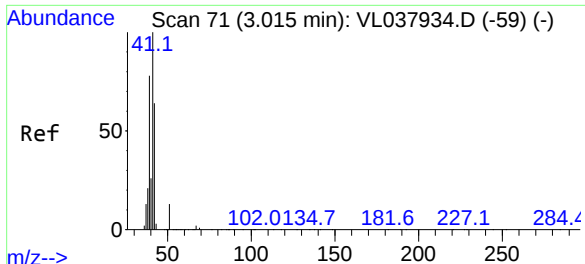
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#4
Chloromethane
Concen: 0.561 ppbv m
RT: 3.137 min Scan# 109
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

Tgt Ion: 50 Resp: 55388
Ion Ratio Lower Upper
50 100
52 25.4 26.3 39.5#





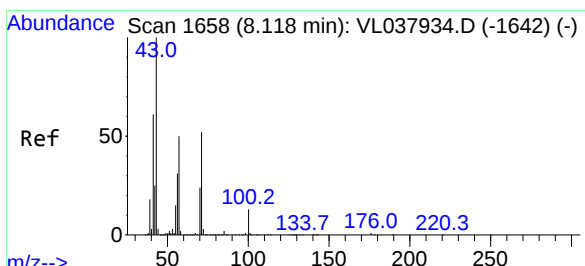
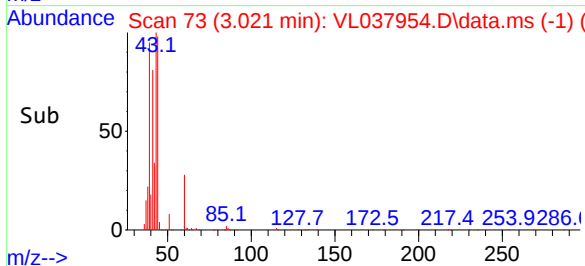
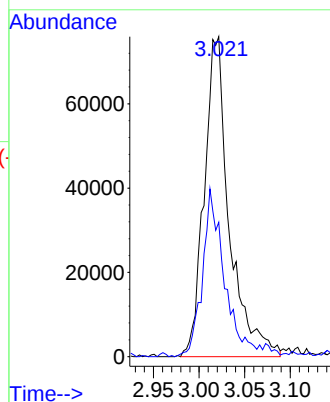
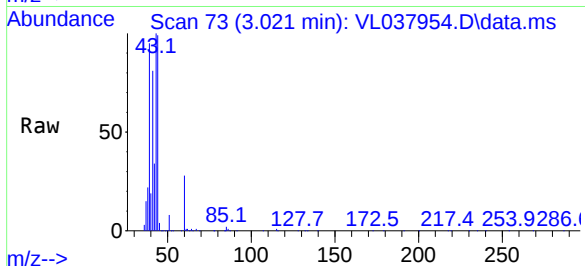
#9
Propene
Concen: 1.558 ppbv m
RT: 3.021 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 14515
Ion Ratio Lower Upper
41 100
42 143.6 57.6 86.4

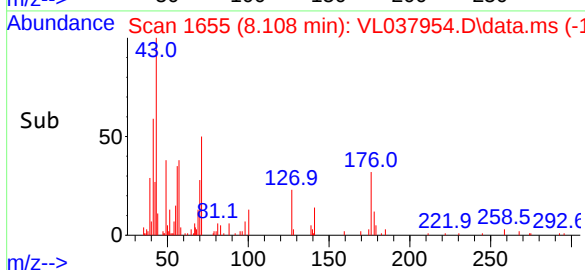
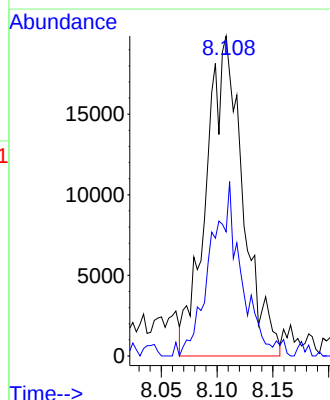
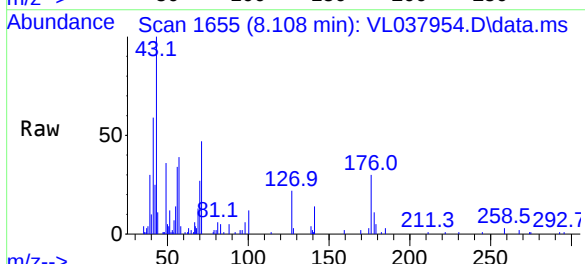
Manual Integrations
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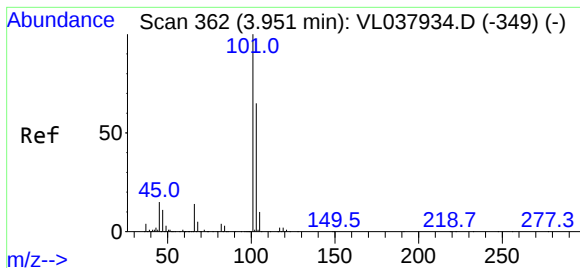
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#10
Heptane
Concen: 0.210 ppbv m
RT: 8.108 min Scan# 1655
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

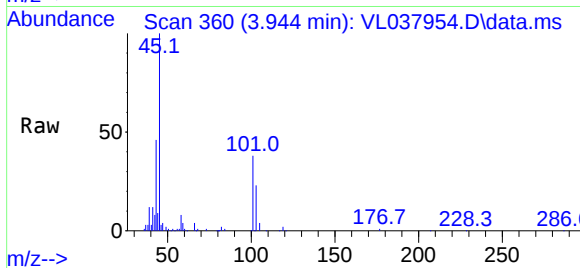
Tgt Ion: 43 Resp: 45500
Ion Ratio Lower Upper
43 100
57 0.0 39.8 59.8





#11
Trichlorofluoromethane
Concen: 0.234 ppbv m
RT: 3.944 min Scan# 30
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

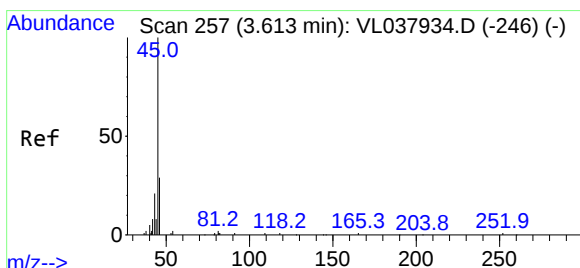
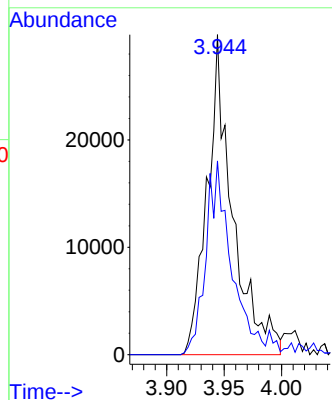
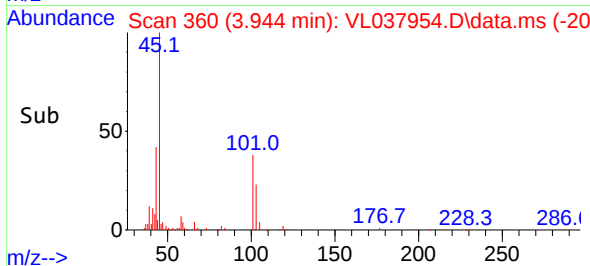
Instrument :
MSVOA_L
ClientSampleId :
IA1



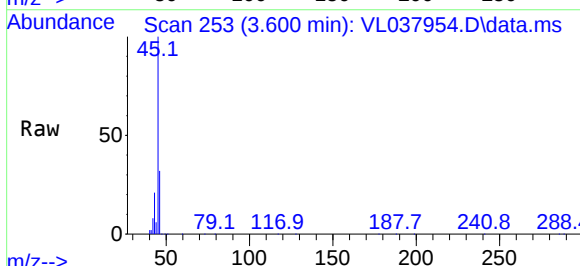
Tgt Ion:101 Resp: 4572
Ion Ratio Lower Upper
101 100
103 60.6 52.0 78.0

Manual Integrations
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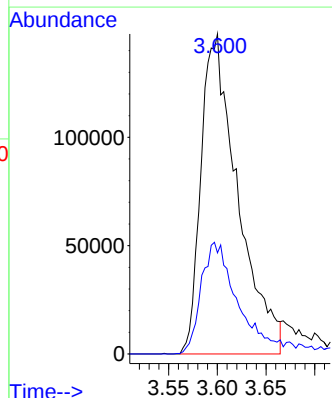
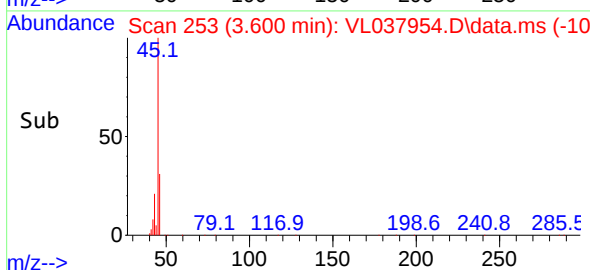
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

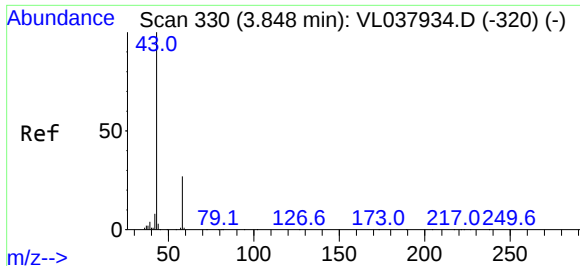


#13
Ethanol
Concen: 41.170 ppbv
RT: 3.600 min Scan# 253
Delta R.T. -0.013 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



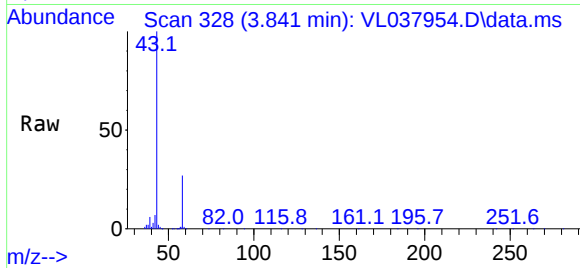
Tgt Ion: 45 Resp: 386864
Ion Ratio Lower Upper
45 100
46 38.1 17.4 69.8





#15
Acetone
Concen: 7.950 ppbv
RT: 3.841 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

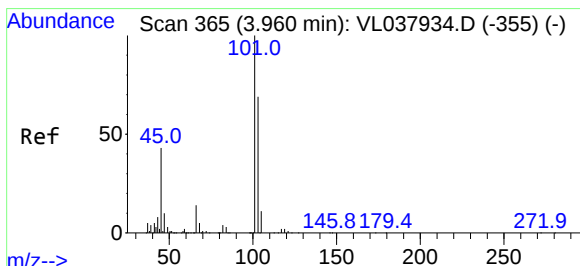
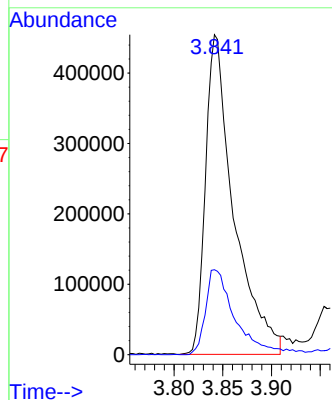
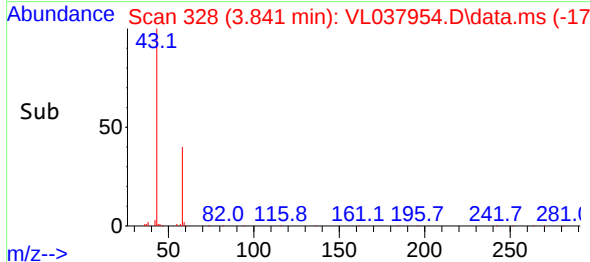
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 43 Resp: 91680
Ion Ratio Lower Upper
43 100
58 28.3 23.3 34.9

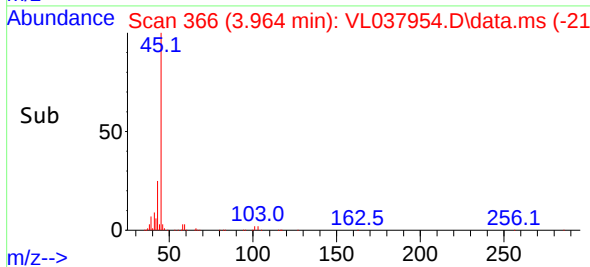
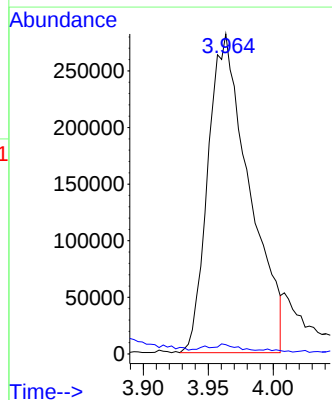
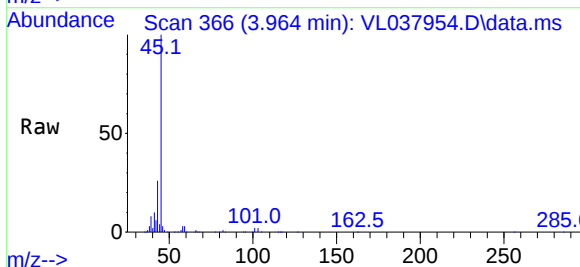
Manual Integrations
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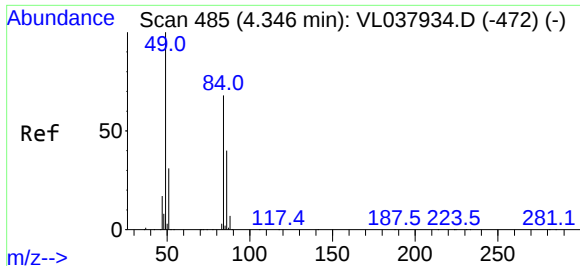
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#19
Isopropyl Alcohol
Concen: 8.451 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.003 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

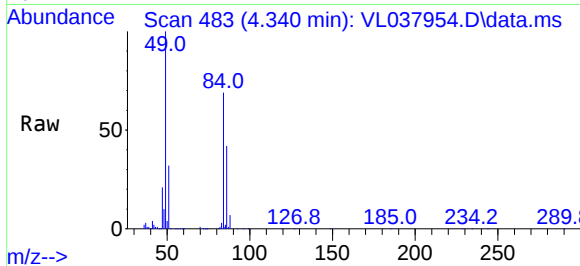
Tgt Ion: 45 Resp: 623185
Ion Ratio Lower Upper
45 100
58 2.4 4.0 6.0#





#20
Methylene Chloride
Concen: 5.757 ppbv
RT: 4.340 min Scan# 41
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

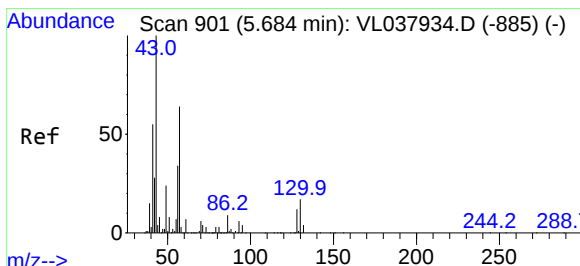
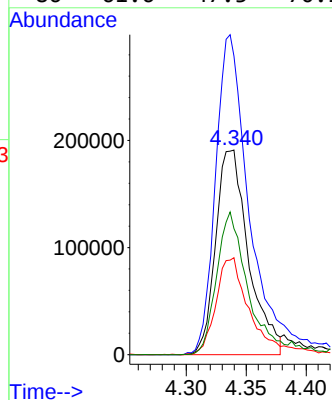
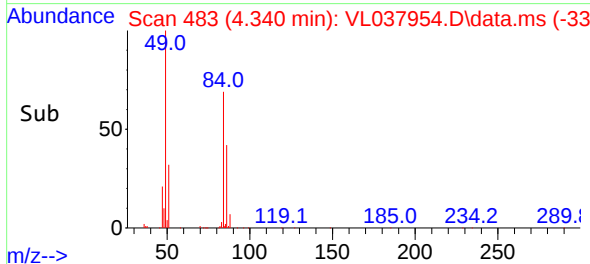
Instrument :
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ClientSampleId :
IA1



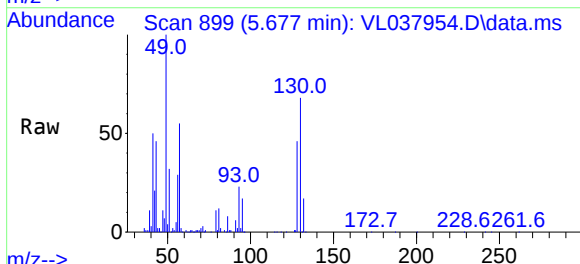
Tgt Ion: 84 Resp: 364458
Ion Ratio Lower Upper
84 100
49 145.9 117.5 176.3
51 47.3 35.9 53.9
86 61.6 47.3 70.9

Manual Integrations
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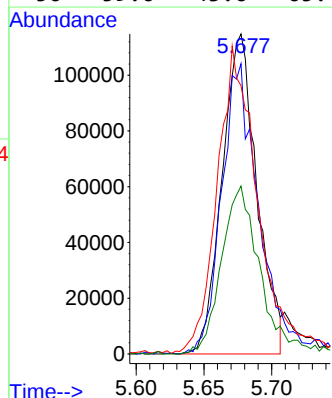
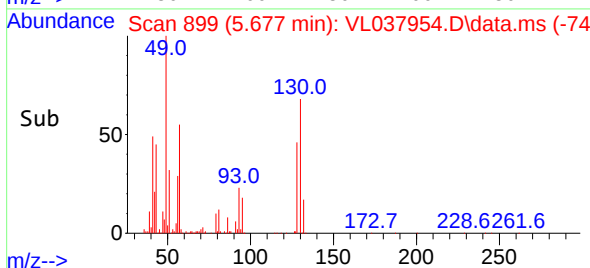
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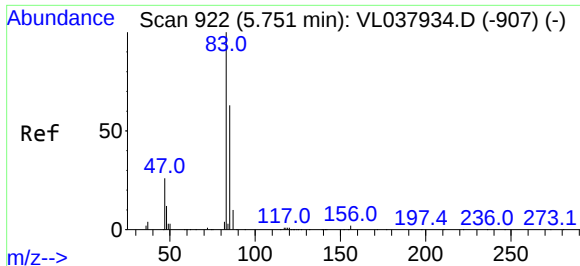


#26
Hexane
Concen: 1.261 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



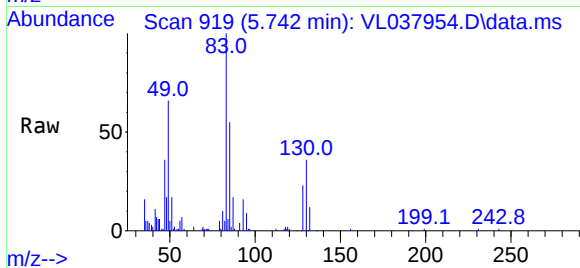
Tgt Ion: 57 Resp: 204715
Ion Ratio Lower Upper
57 100
41 99.9 71.0 106.6
43 114.5 173.0 259.6#
56 59.6 43.6 65.4





#29
Chloroform
Concen: 0.286 ppbv m
RT: 5.742 min Scan# 919
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

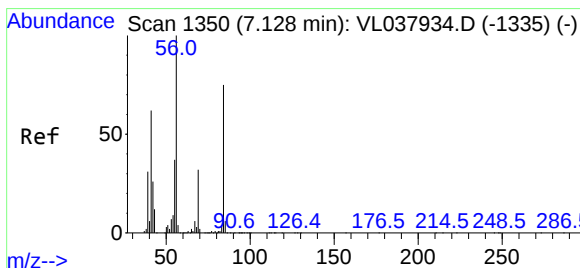
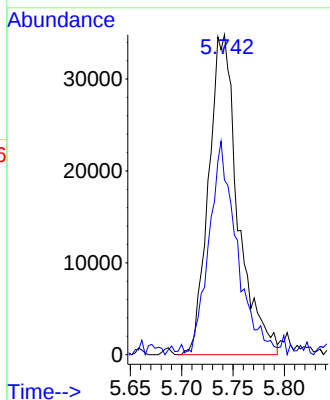
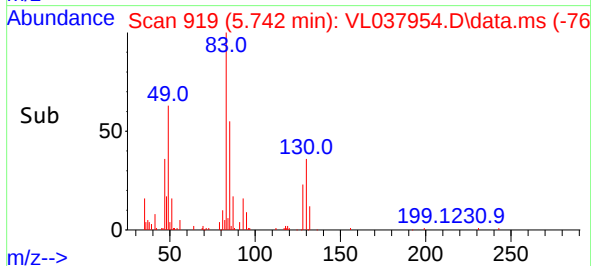
Instrument :
MSVOA_L
ClientSampleId :
IA1



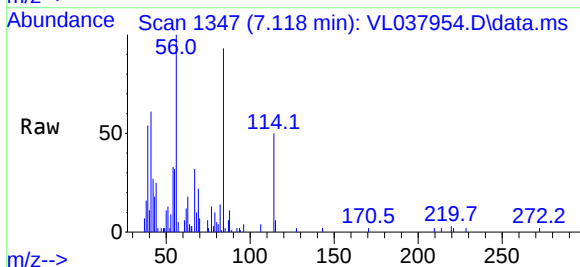
Tgt Ion: 83 Resp: 6914
Ion Ratio Lower Upper
83 100
85 54.6 50.6 76.0

Manual Integrations
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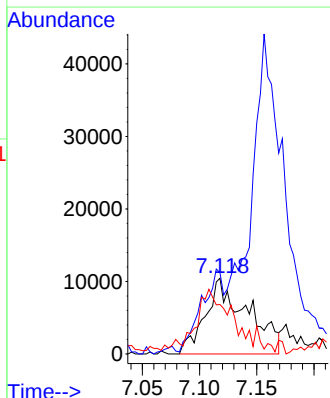
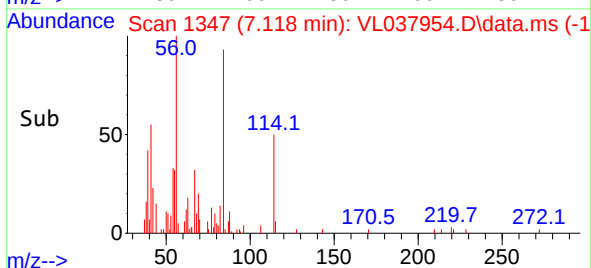
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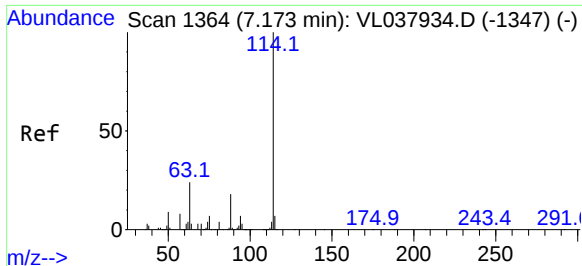


#30
Cyclohexane
Concen: 0.193 ppbv m
RT: 7.118 min Scan# 1347
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



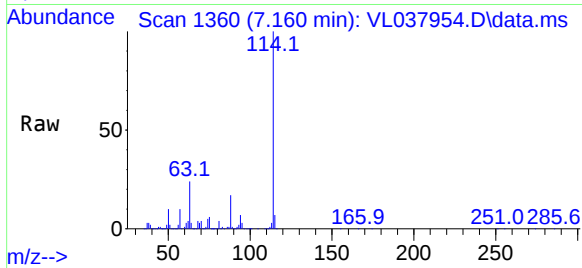
Tgt Ion: 84 Resp: 26813
Ion Ratio Lower Upper
84 100
56 0.0 114.0 171.0#
41 85.5 68.3 102.5





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

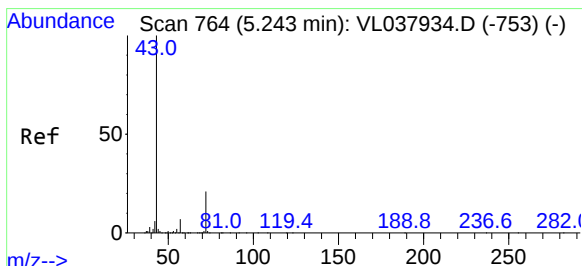
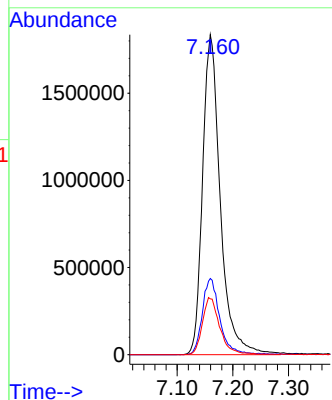
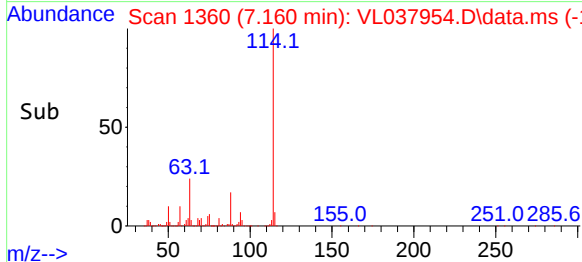
Instrument :
MSVOA_L
ClientSampleId :
IA1



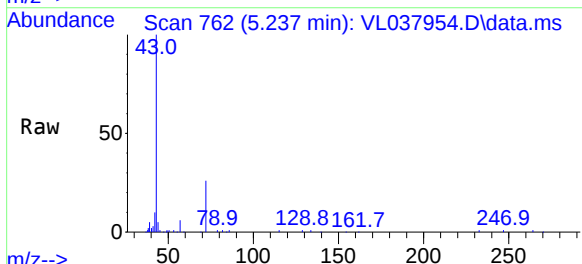
Tgt Ion:114 Resp: 4063639
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.6 14.2 21.4

Manual Integrations
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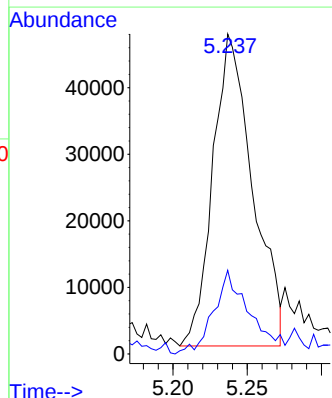
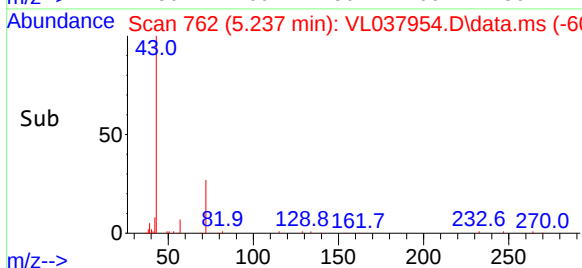
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

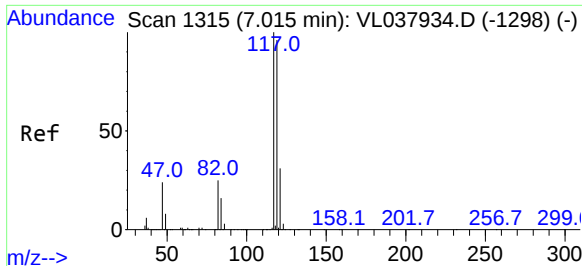


#34
2-Butanone
Concen: 0.581 ppbv
RT: 5.237 min Scan# 762
Delta R.T. -0.007 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



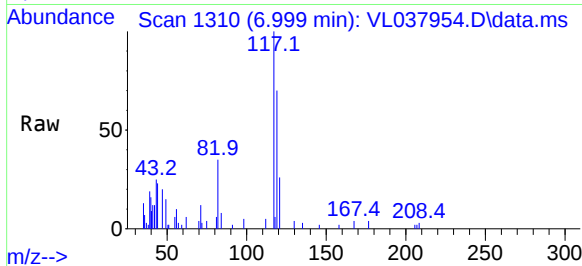
Tgt Ion: 43 Resp: 87467
Ion Ratio Lower Upper
43 100
72 24.3 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 6.999 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

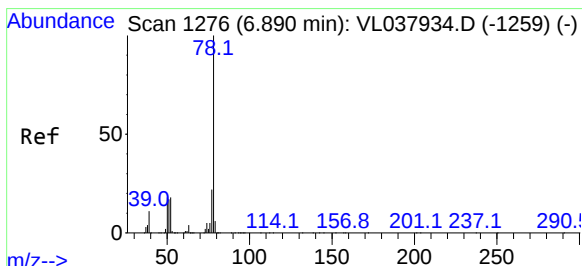
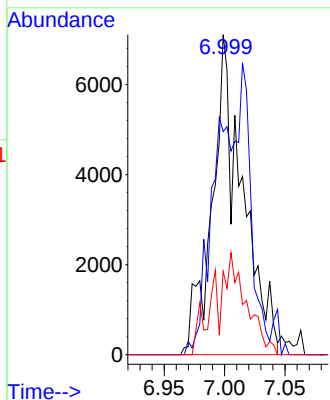
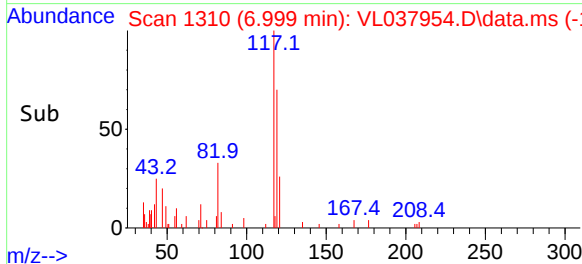
Instrument :
MSVOA_L
ClientSampleId :
IA1



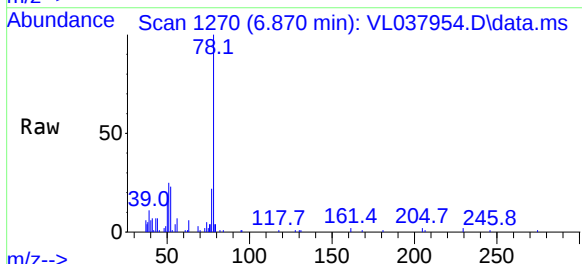
Tgt Ion: 117 Resp: 12350
Ion Ratio Lower Upper
117 100
119 69.8 76.6 114.8
121 26.0 25.1 37.7

Manual Integrations
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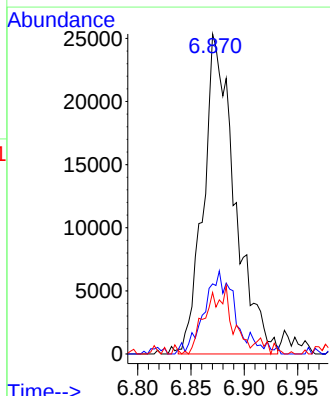
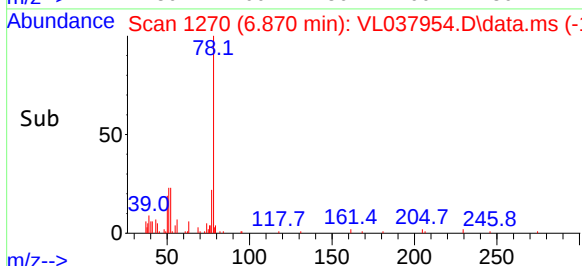
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

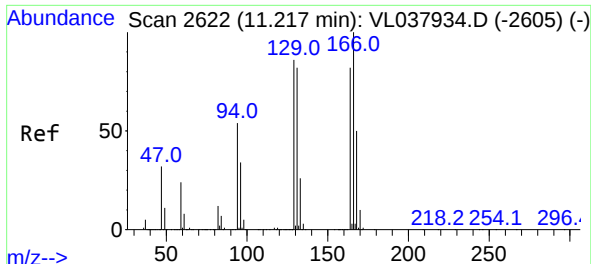


#36
Benzene
Concen: 0.156 ppbv m
RT: 6.870 min Scan# 1270
Delta R.T. -0.019 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



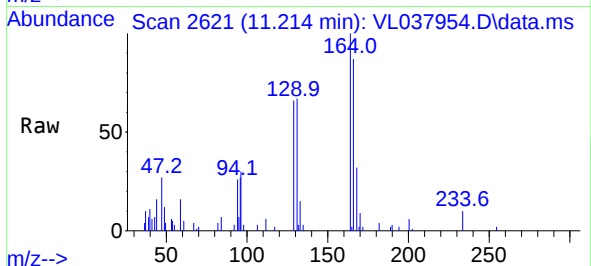
Tgt Ion: 78 Resp: 51706
Ion Ratio Lower Upper
78 100
77 21.9 17.9 26.9
50 19.2 14.4 21.6





#52
Tetrachloroethene
Concen: 0.161 ppbv m
RT: 11.214 min Scan# 2025
Delta R.T. -0.003 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

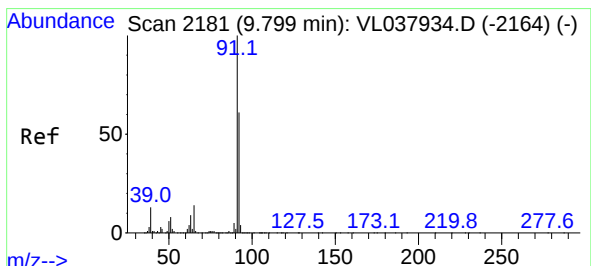
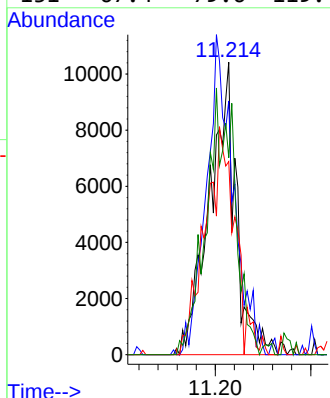
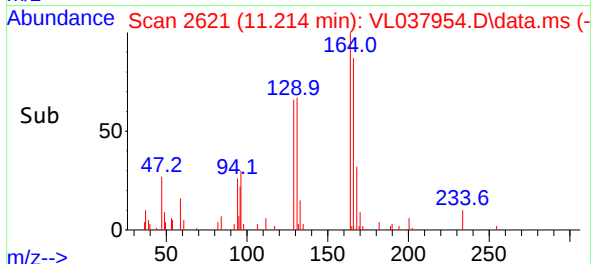
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion:164 Resp: 2025
Ion Ratio Lower Upper
164 100
166 86.8 97.6 146.4
129 66.0 84.2 126.2
131 67.4 79.6 119.4

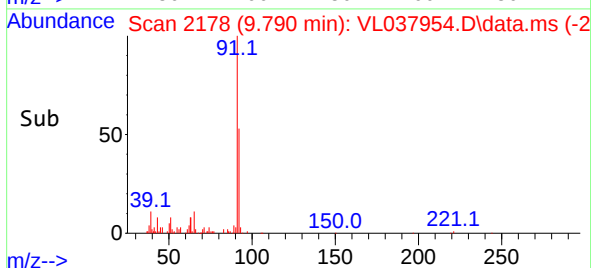
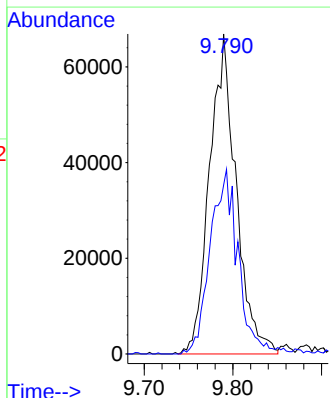
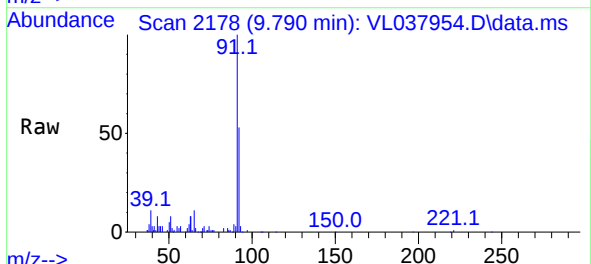
Manual Integrations
APPROVED

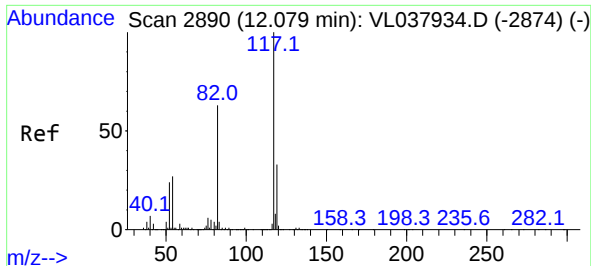
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#53
Toluene
Concen: 0.392 ppbv m
RT: 9.790 min Scan# 2178
Delta R.T. -0.010 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

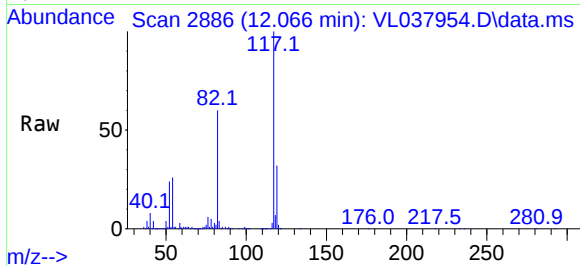
Tgt Ion: 91 Resp: 139155
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.013 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

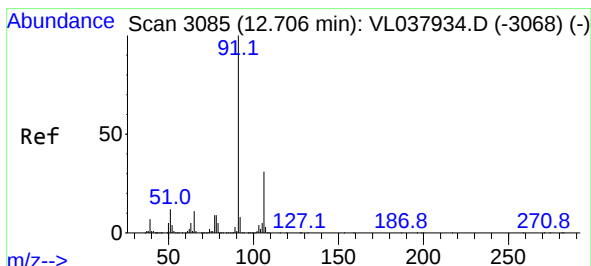
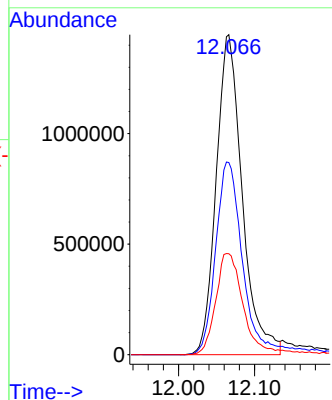
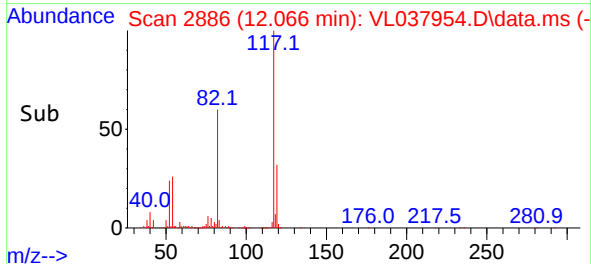
Instrument : MSVOA_L
ClientSampleId : IA1



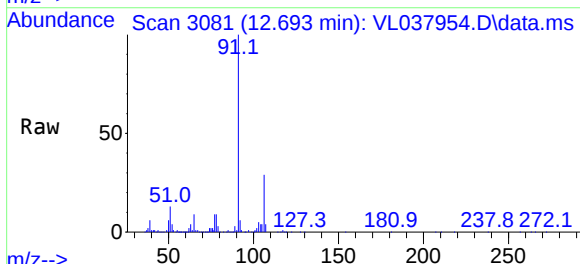
Tgt Ion: 117 Resp: 3442080
Ion Ratio Lower Upper
117 100
82 65.0 51.0 76.6
119 34.0 26.9 40.3

Manual Integrations
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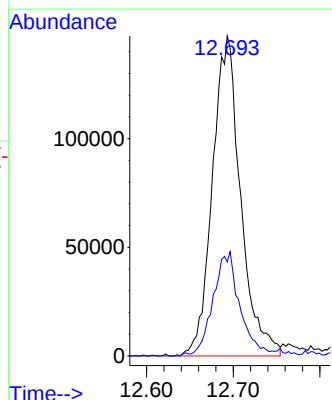
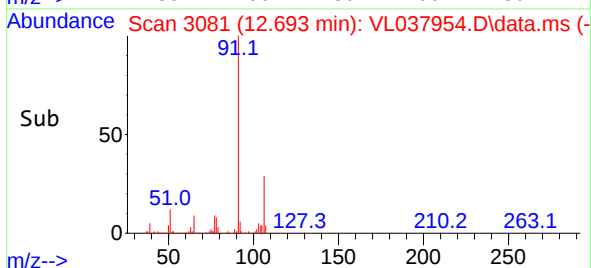
Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021

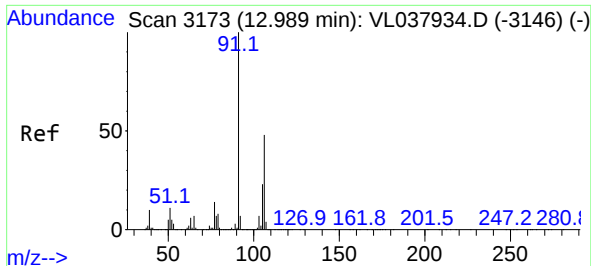


#58
Ethyl Benzene
Concen: 0.791 ppbv
RT: 12.693 min Scan# 3081
Delta R.T. -0.013 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



Tgt Ion: 91 Resp: 332993
Ion Ratio Lower Upper
91 100
106 29.5 25.1 37.7





#59

m/p-Xylene

Concen: 1.226 ppbv m

RT: 12.944 min Scan# 3159

Delta R.T. -0.045 min

Lab File: VL037954.D

Acq: 2 Nov 2021 1:32

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 91 Resp: 45876

Ion Ratio Lower Upper

91 100

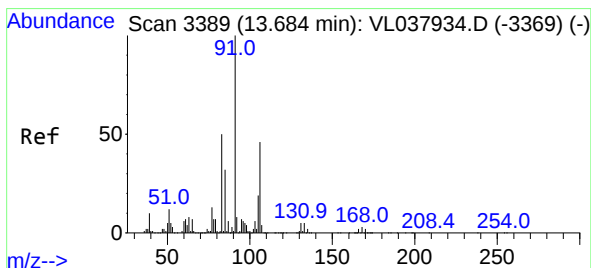
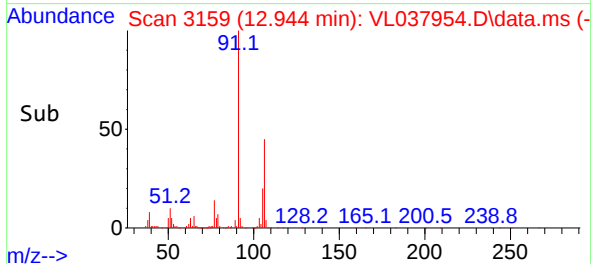
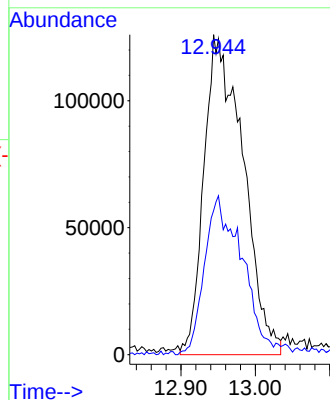
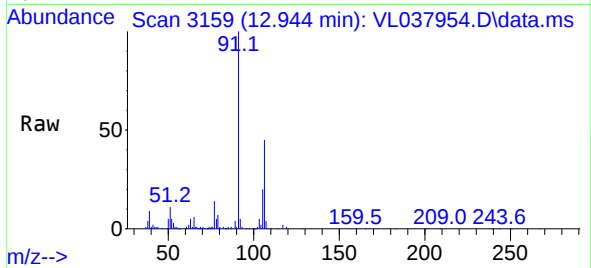
106 49.2 37.1 55.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021

Supervised By :Mahesh Dadoda 11/10/2021



#60

o-Xylene

Concen: 0.389 ppbv

RT: 13.671 min Scan# 3385

Delta R.T. -0.013 min

Lab File: VL037954.D

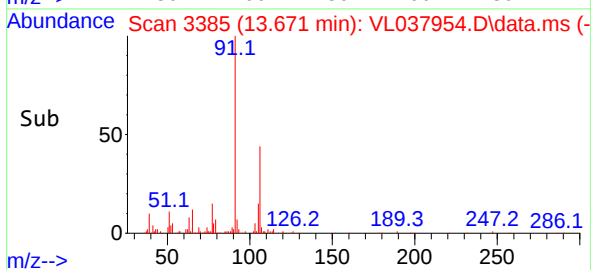
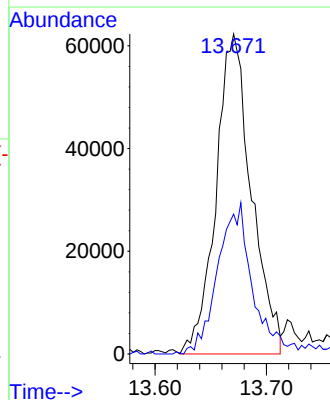
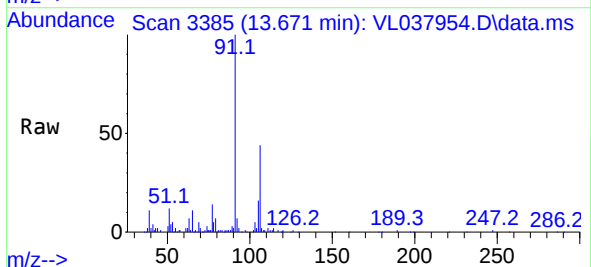
Acq: 2 Nov 2021 1:32

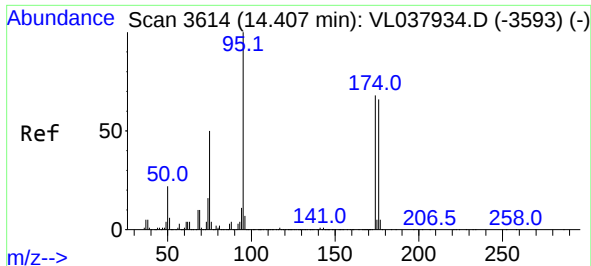
Tgt Ion: 91 Resp: 137353

Ion Ratio Lower Upper

91 100

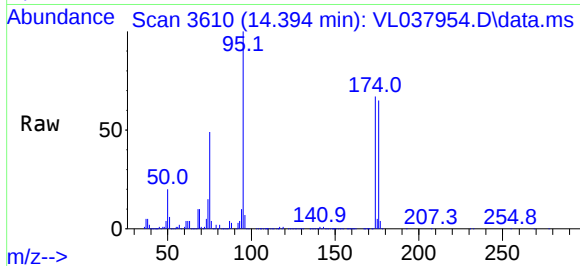
106 46.1 23.5 70.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.024 ppbv
RT: 14.394 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32

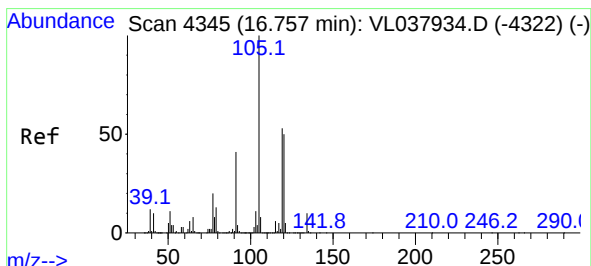
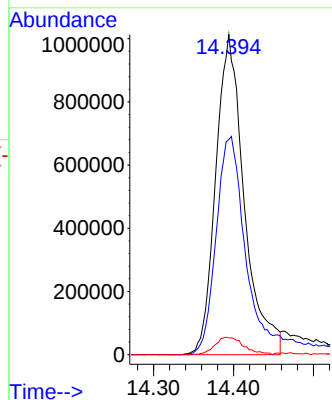
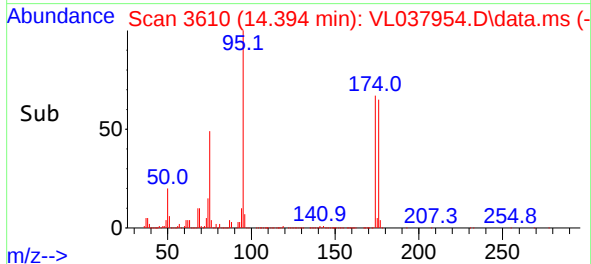
Instrument :
MSVOA_L
ClientSampleId :
IA1



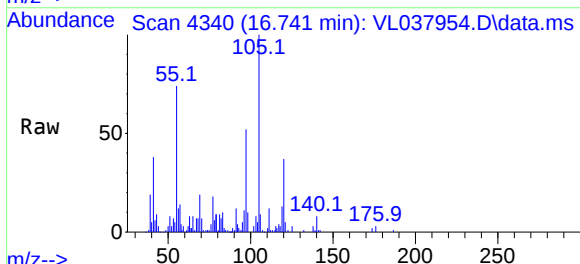
Tgt Ion: 95 Resp: 2508149
Ion Ratio Lower Upper
95 100
174 77.7 58.3 87.5
175 5.6 4.6 6.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2021
Supervised By :Mahesh Dadoda 11/10/2021



#74
1,2,4-Trimethylbenzene
Concen: 0.247 ppbv m
RT: 16.741 min Scan# 4340
Delta R.T. -0.016 min
Lab File: VL037954.D
Acq: 2 Nov 2021 1:32



Tgt Ion:105 Resp: 97962
Ion Ratio Lower Upper
105 100
120 37.1 40.0 60.0#
91 12.0 32.6 49.0#
77 18.4 15.8 23.8

