

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL038994.D
 Acq On : 9 May 2022 19:43
 Operator : SY/AP
 Sample : N2724-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 05:46:24 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.648	49	1174819	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2717658	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.053	117	2279757	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 1886178 10.447 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	30225m	0.164	ppbv	
3) Chlorodifluoromethane	2.976	51	18044m	0.124	ppbv	
4) Chloromethane	3.134	50	8080m	0.111	ppbv	
9) Propene	3.018	41	25087m	0.394	ppbv	
10) Heptane	8.095	43	28808	0.184	ppbv #	83
13) Ethanol	3.600	45	83670m	18.571	ppbv	
15) Acetone	3.841	43	550235m	4.965	ppbv	
19) Isopropyl Alcohol	3.970	45	57199m	1.086	ppbv	
20) Methylene Chloride	4.336	84	75026	1.796	ppbv #	96
26) Hexane	5.671	57	176609	1.499	ppbv #	39
30) Cyclohexane	7.111	84	20616m	0.209	ppbv	
34) 2-Butanone	5.243	43	19031	0.137	ppbv #	89
36) Benzene	6.873	78	88677	0.381	ppbv	96
53) Toluene	9.780	91	367408	1.409	ppbv	99
58) Ethyl Benzene	12.674	91	57016m	0.174	ppbv	
59) m/p-Xylene	12.934	91	196767m	0.703	ppbv	
60) o-Xylene	13.658	91	56173	0.213	ppbv	94
72) 4-Ethyltoluene	15.809	105	30885m	0.103	ppbv	
74) 1,2,4-Trimethylbenzene	16.735	105	76962m	0.260	ppbv	

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

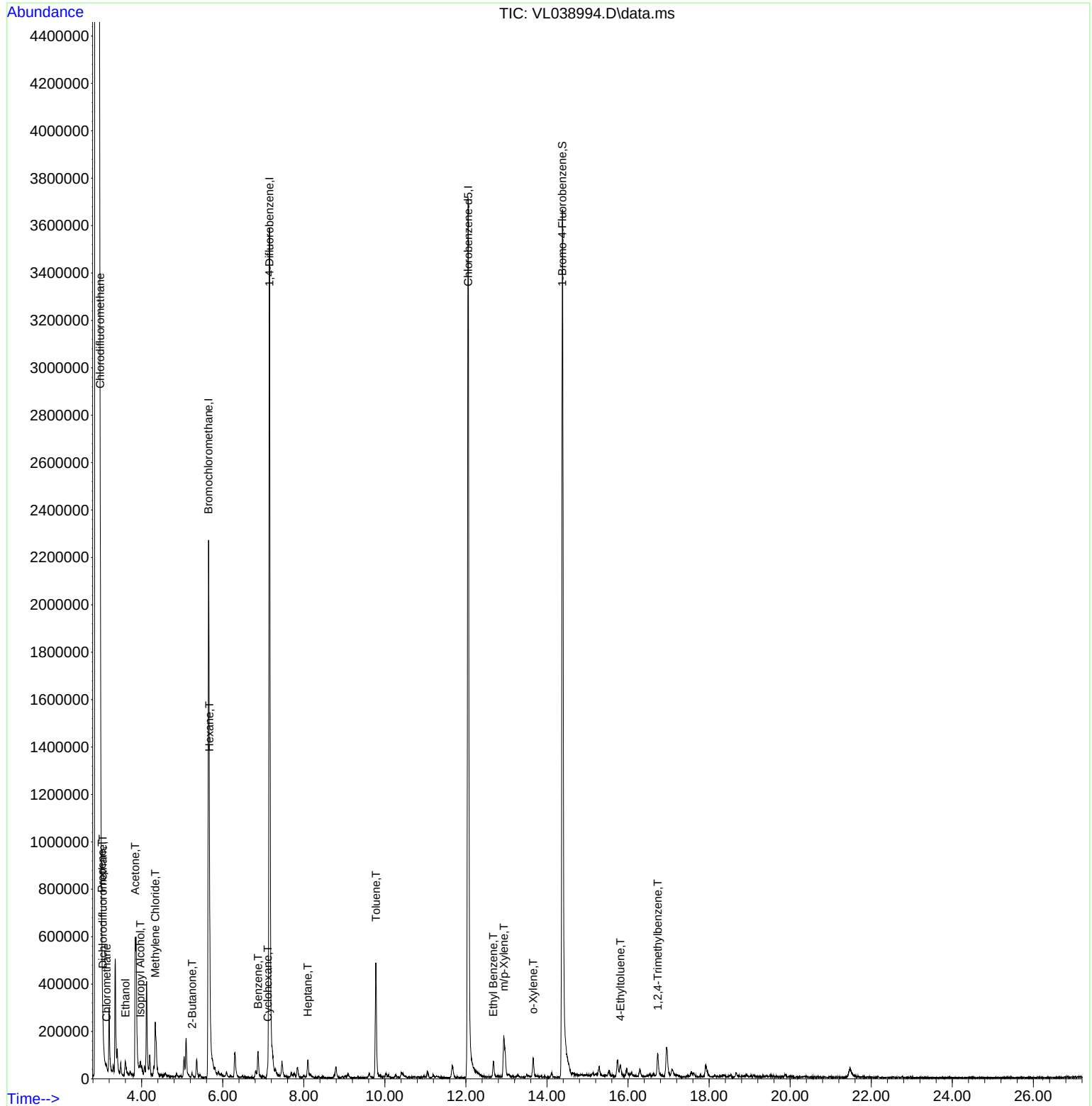
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL038994.D
Acq On : 9 May 2022 19:43
Operator : SY/AP
Sample : N2724-02DL 4X
Misc : 400mL/MSVOA_L
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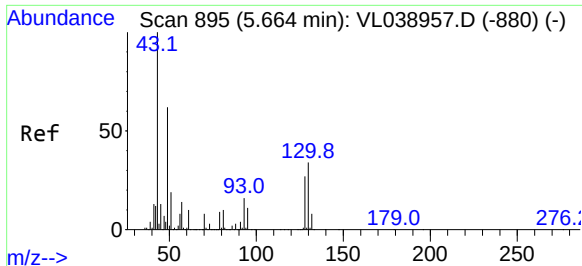
Instrument :
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ClientSampleId :
IA1DL

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Supervised By :Mahesh Dadoda 05/11/2022

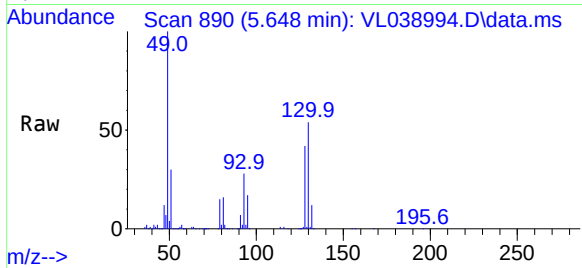
Quant Time: May 10 05:46:24 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 89
Delta R.T. -0.016 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

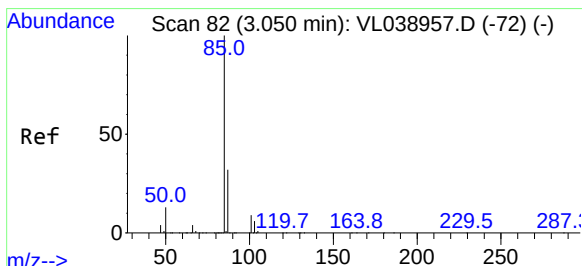
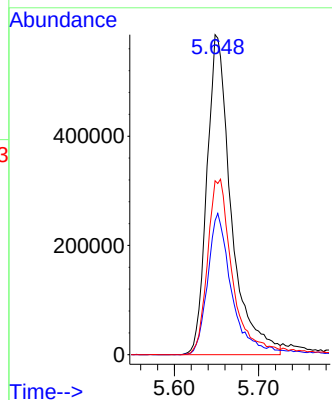
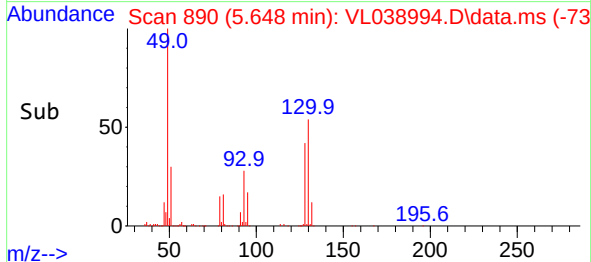
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 1174819
Ion Ratio Lower Upper
49 100
128 45.8 23.3 69.8
130 59.1 29.8 89.3

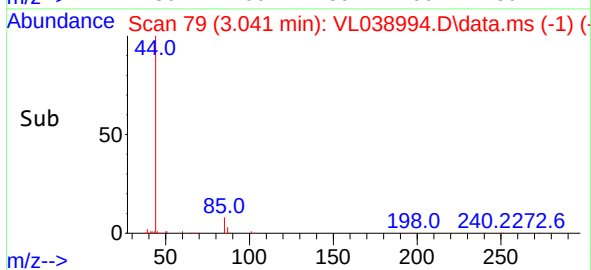
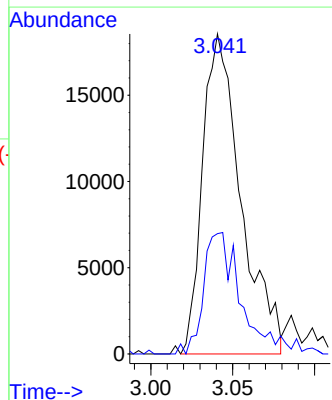
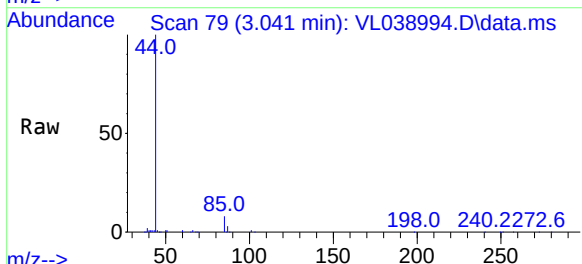
Manual Integrations
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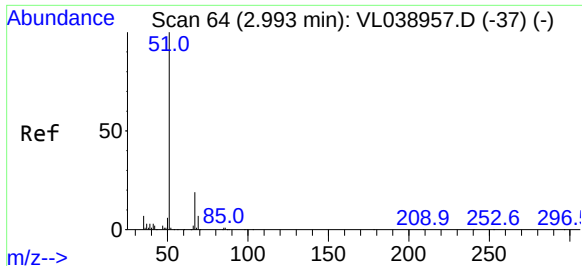
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#2
Dichlorodifluoromethane
Concen: 0.164 ppbv m
RT: 3.041 min Scan# 79
Delta R.T. -0.010 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

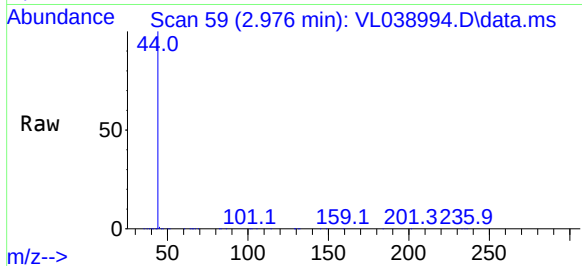
Tgt Ion: 85 Resp: 30225
Ion Ratio Lower Upper
85 100
87 37.6 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.124 ppbv m
RT: 2.976 min Scan# 51
Delta R.T. -0.016 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

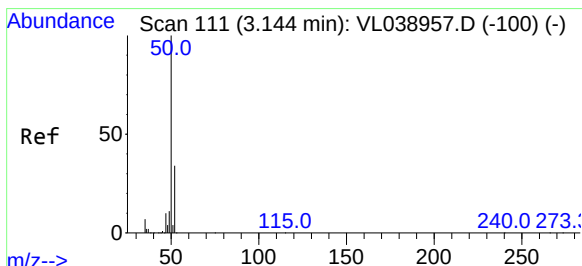
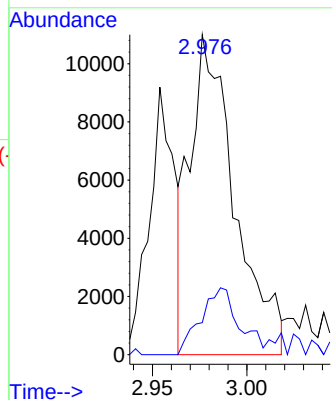
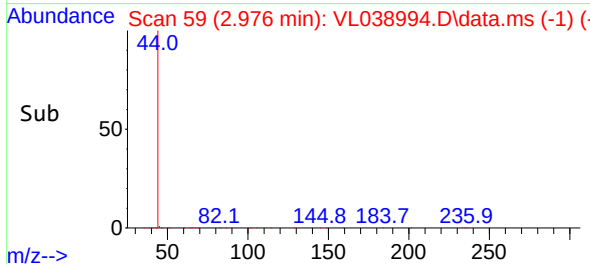
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 51 Resp: 1804
Ion Ratio Lower Upper
51 100
67 2.2 15.8 23.8

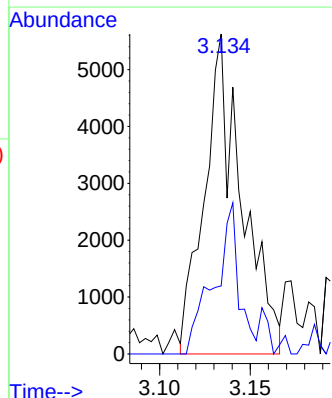
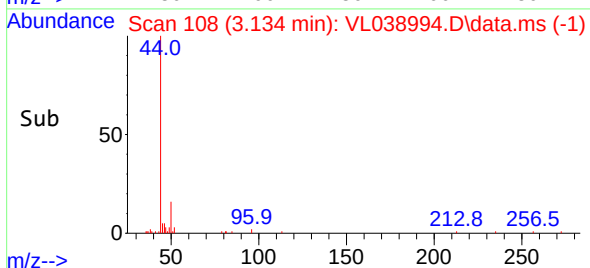
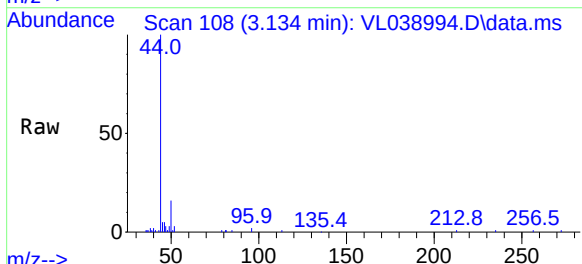
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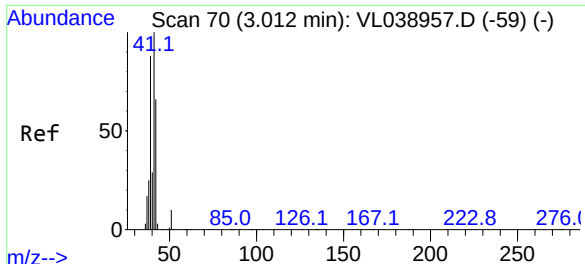
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#4
Chloromethane
Concen: 0.111 ppbv m
RT: 3.134 min Scan# 108
Delta R.T. -0.010 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

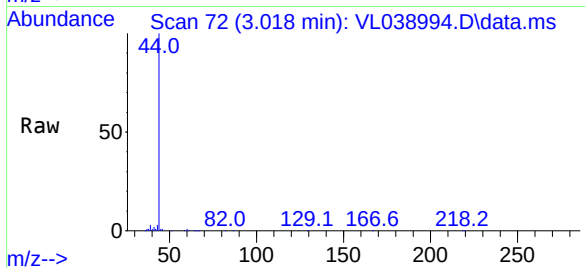
Tgt Ion: 50 Resp: 8080
Ion Ratio Lower Upper
50 100
52 21.2 27.3 40.9





#9
Propene
Concen: 0.394 ppbv m
RT: 3.018 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

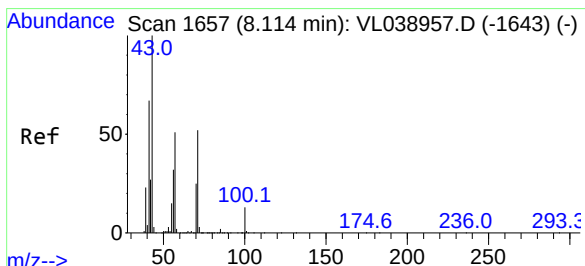
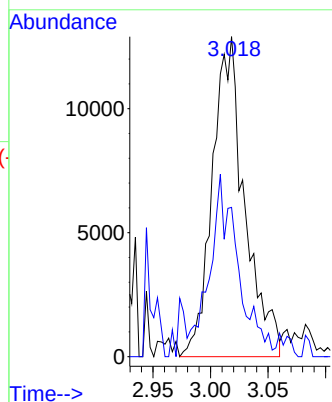
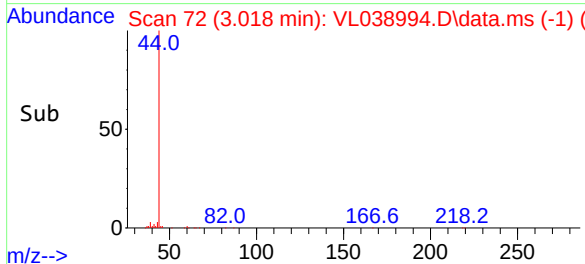
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 41 Resp: 2508
Ion Ratio Lower Upper
41 100
42 239.4 58.3 87.5

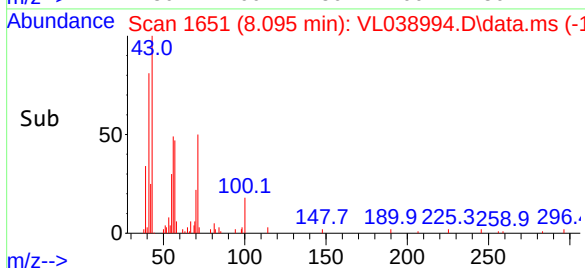
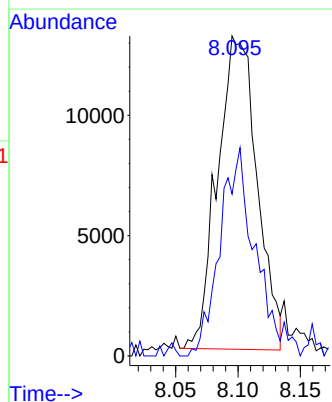
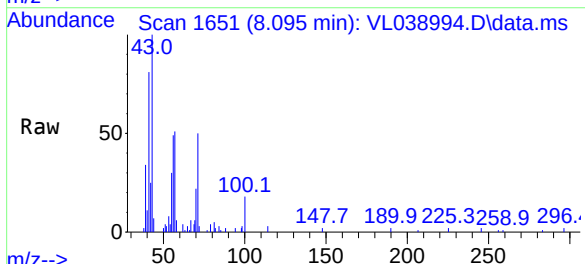
Manual Integrations
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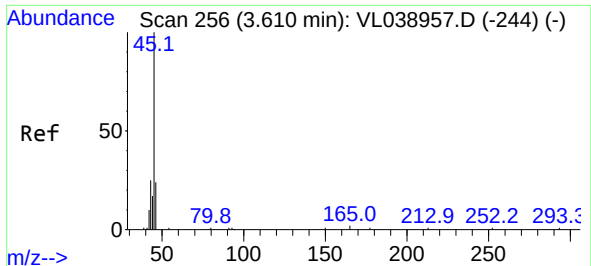
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#10
Heptane
Concen: 0.184 ppbv
RT: 8.095 min Scan# 1651
Delta R.T. -0.019 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

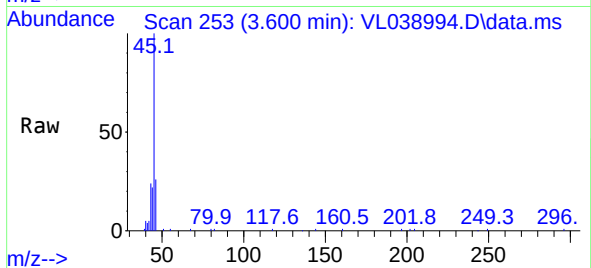
Tgt Ion: 43 Resp: 28808
Ion Ratio Lower Upper
43 100
57 62.0 40.5 60.7





#13
Ethanol
Concen: 18.571 ppbv m
RT: 3.600 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

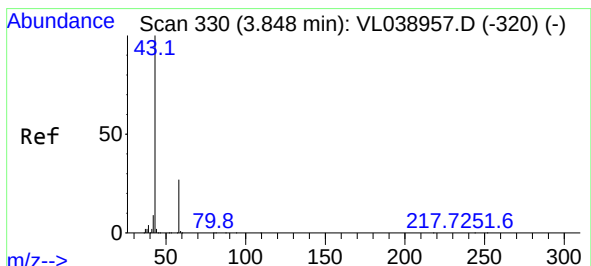
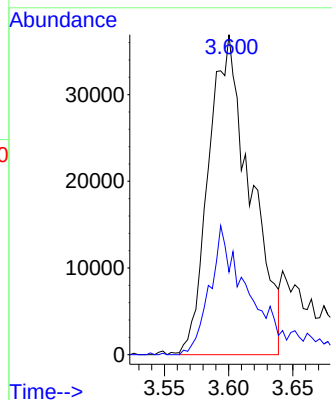
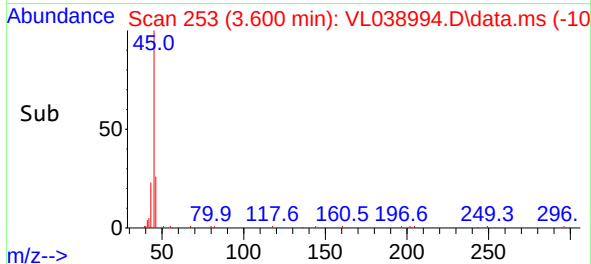
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



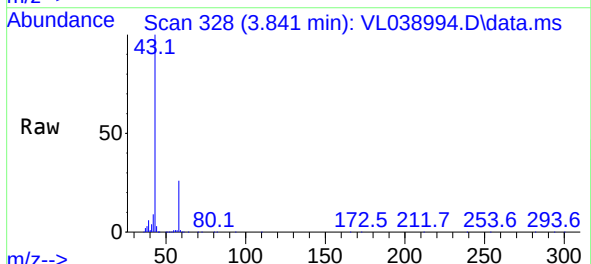
Tgt Ion: 45 Resp: 83670
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2

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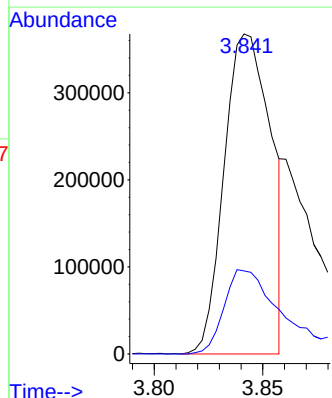
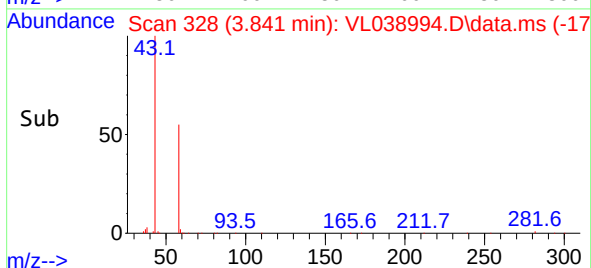
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

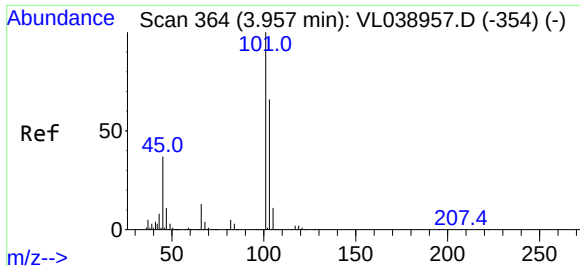


#15
Acetone
Concen: 4.965 ppbv m
RT: 3.841 min Scan# 328
Delta R.T. -0.006 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43



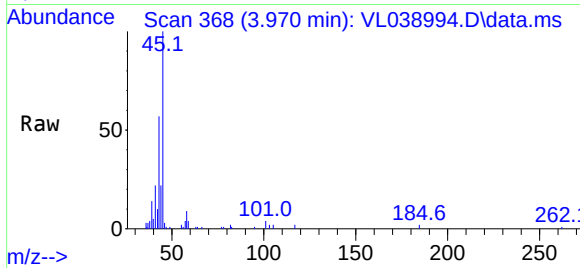
Tgt Ion: 43 Resp: 550235
Ion Ratio Lower Upper
43 100
58 36.2 21.3 31.9





#19
Isopropyl Alcohol
Concen: 1.086 ppbv m
RT: 3.970 min Scan# 30
Delta R.T. 0.013 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

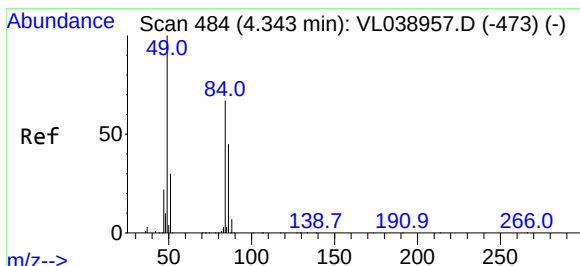
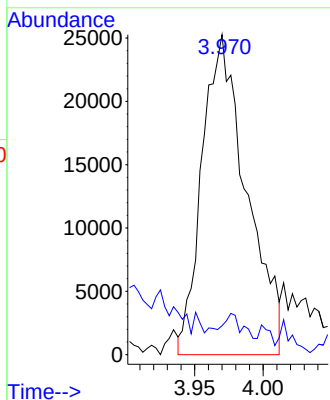
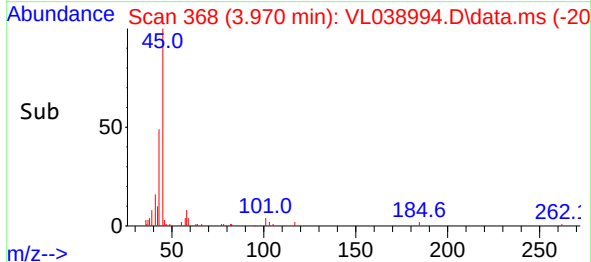
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



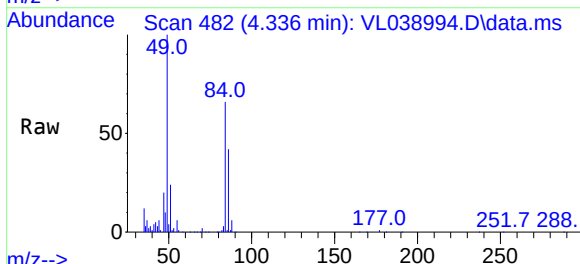
Tgt Ion: 45 Resp: 57199
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

Manual Integrations
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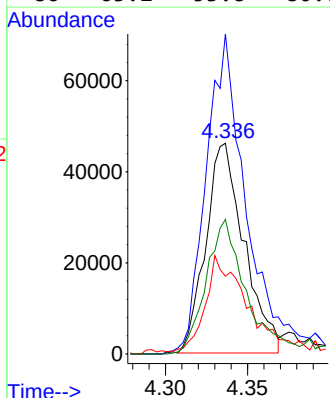
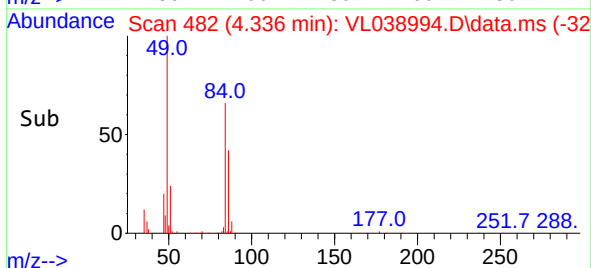
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

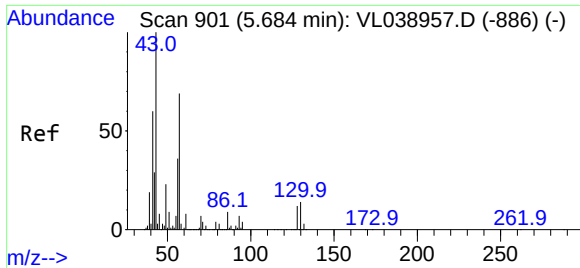


#20
Methylene Chloride
Concen: 1.796 ppbv
RT: 4.336 min Scan# 482
Delta R.T. -0.006 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43



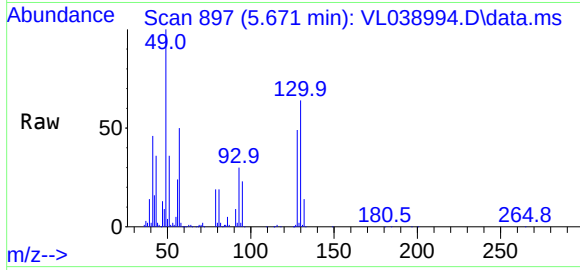
Tgt Ion: 84 Resp: 75026
Ion Ratio Lower Upper
84 100
49 149.8 119.9 179.9
51 34.8 35.7 53.5#
86 63.2 53.8 80.6





#26
Hexane
Concen: 1.499 ppbv
RT: 5.671 min Scan# 897
Delta R.T. -0.013 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

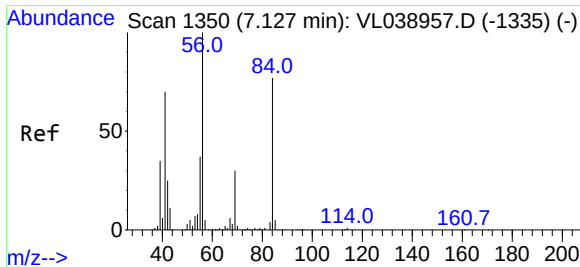
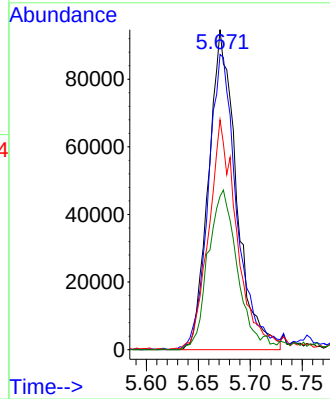
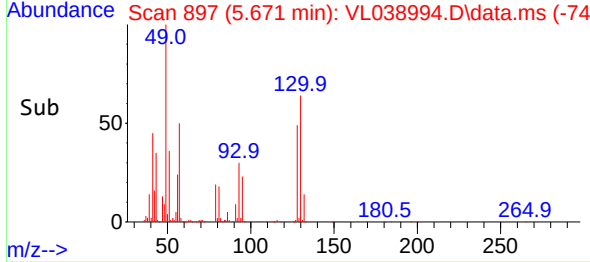
Instrument :
MSVOA_L
Client Sample Id :
IA1DL



Tgt Ion: 57 Resp: 176609
Ion Ratio Lower Upper
57 100
41 95.6 75.2 112.8
43 73.0 190.8 286.2
56 54.1 43.0 64.6

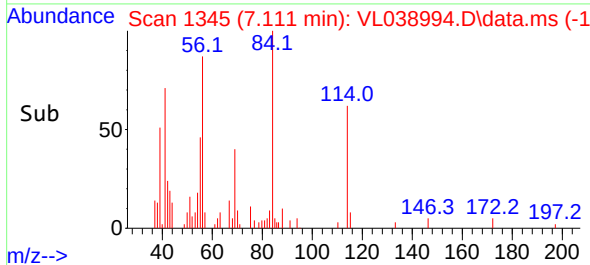
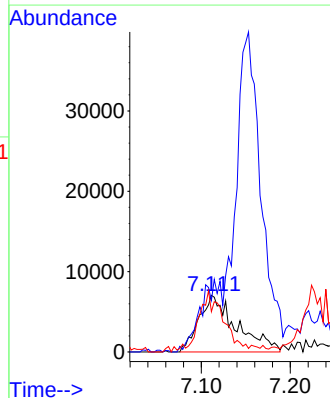
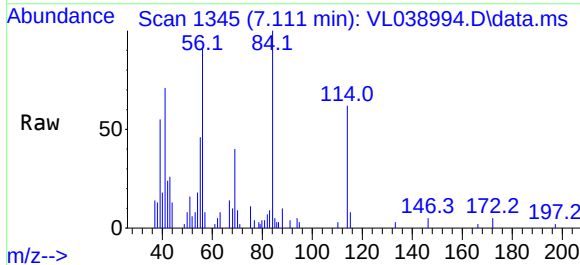
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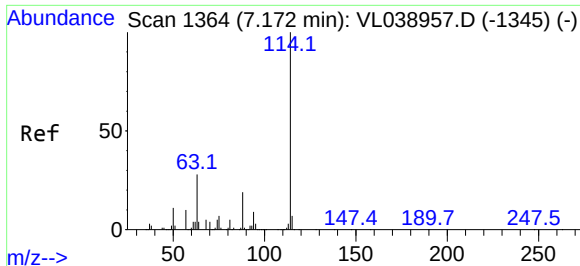
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#30
Cyclohexane
Concen: 0.209 ppbv m
RT: 7.111 min Scan# 1345
Delta R.T. -0.016 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

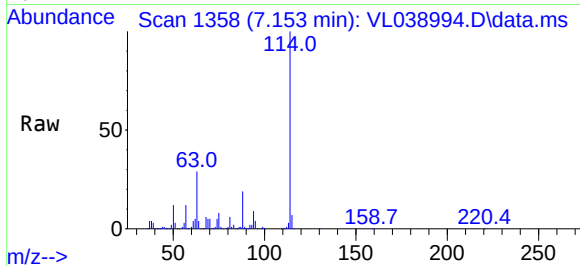
Tgt Ion: 84 Resp: 20616
Ion Ratio Lower Upper
84 100
56 0.0 115.3 172.9
41 78.6 72.0 108.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 114
Delta R.T. -0.019 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

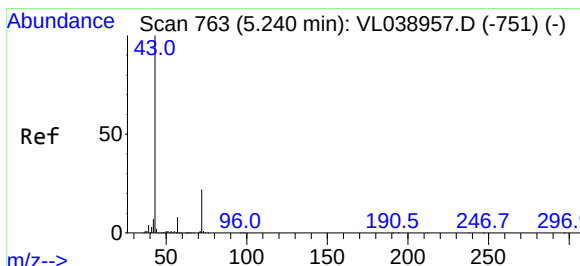
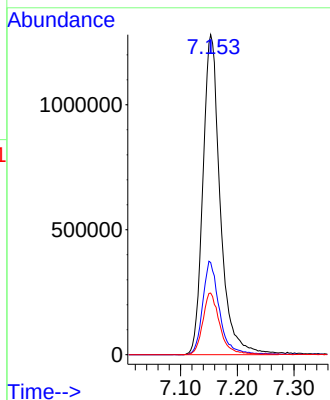
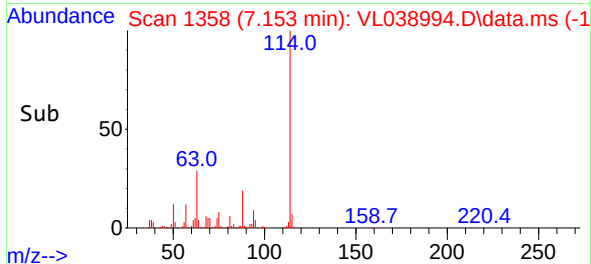
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



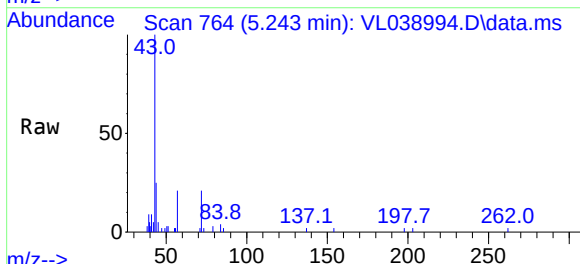
Tgt Ion:114 Resp: 2717658
Ion Ratio Lower Upper
114 100
63 28.5 22.6 33.8
88 19.1 15.4 23.0

Manual Integrations
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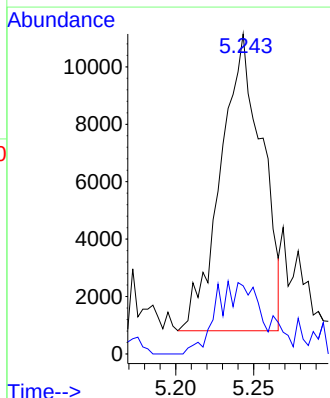
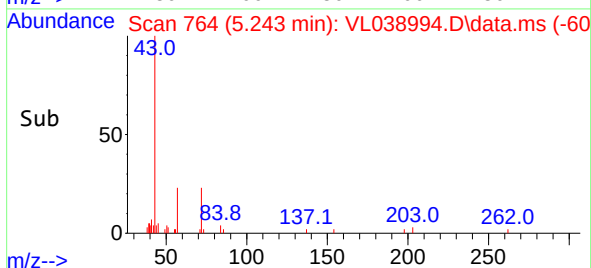
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Supervised By :Mahesh Dadoda 05/11/2022

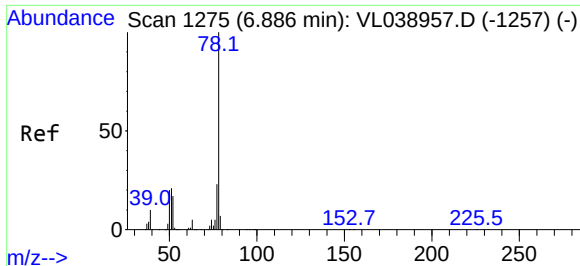


#34
2-Butanone
Concen: 0.137 ppbv
RT: 5.243 min Scan# 764
Delta R.T. 0.003 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43



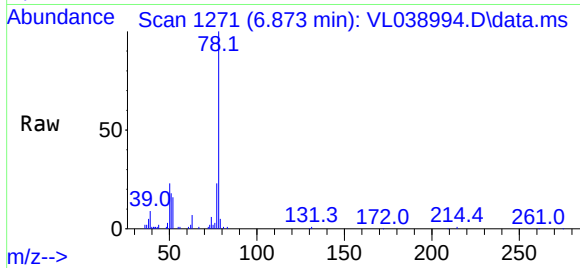
Tgt Ion: 43 Resp: 19031
Ion Ratio Lower Upper
43 100
72 27.6 17.8 26.6#





#36
Benzene
Concen: 0.381 ppbv
RT: 6.873 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

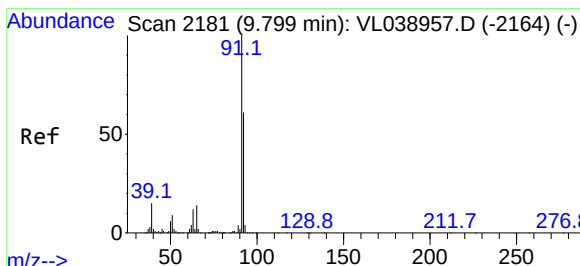
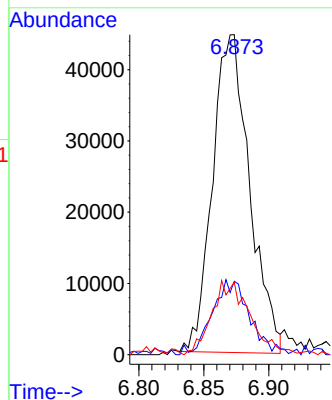
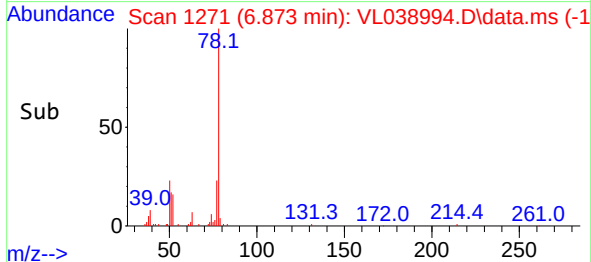
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



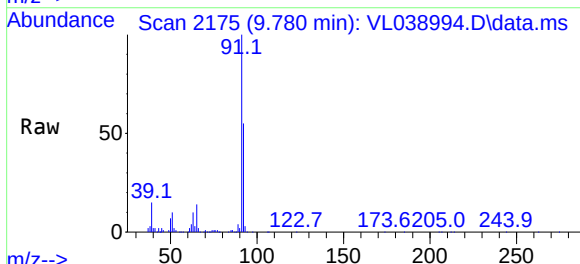
Tgt Ion: 78 Resp: 8867
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
50 22.8 15.6 23.4

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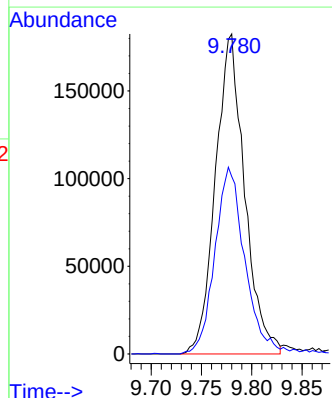
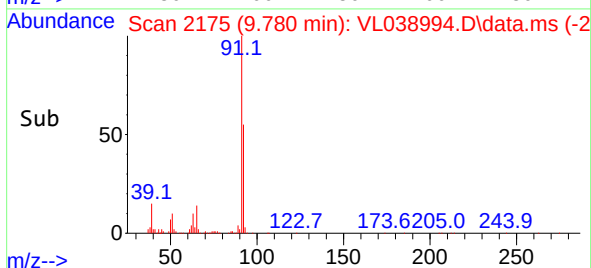
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

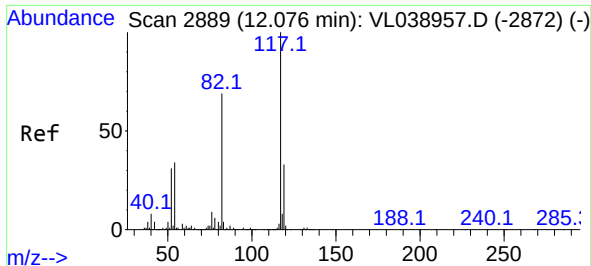


#53
Toluene
Concen: 1.409 ppbv
RT: 9.780 min Scan# 2175
Delta R.T. -0.019 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43



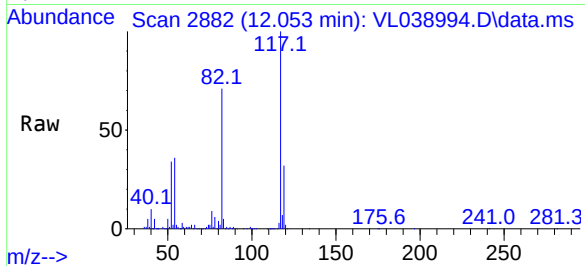
Tgt Ion: 91 Resp: 367408
Ion Ratio Lower Upper
91 100
92 60.8 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 21
Delta R.T. -0.023 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

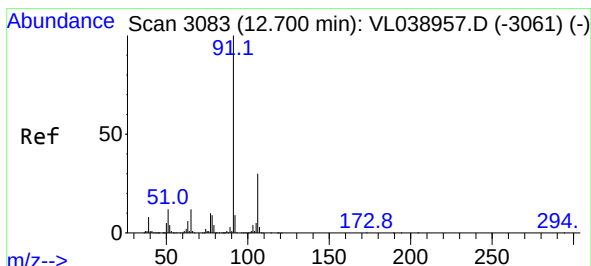
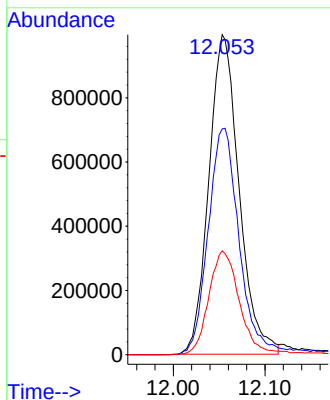
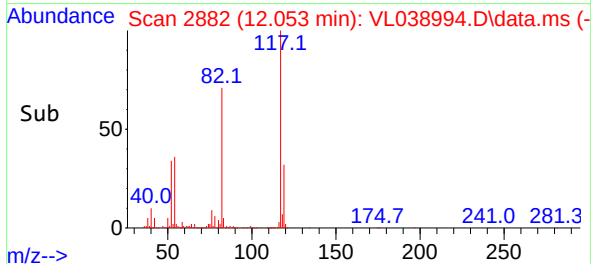
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



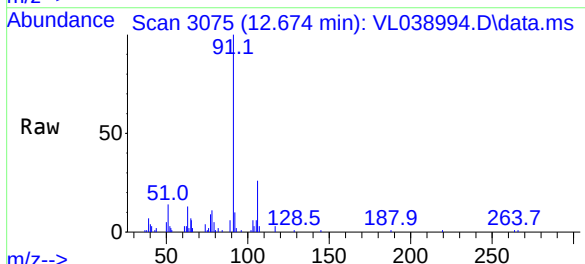
Tgt Ion: 117 Resp: 227975
Ion Ratio Lower Upper
117 100
82 75.5 57.0 85.6
119 33.8 27.2 40.8

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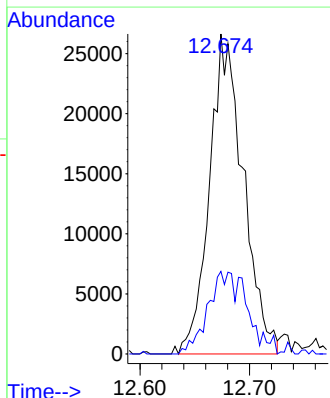
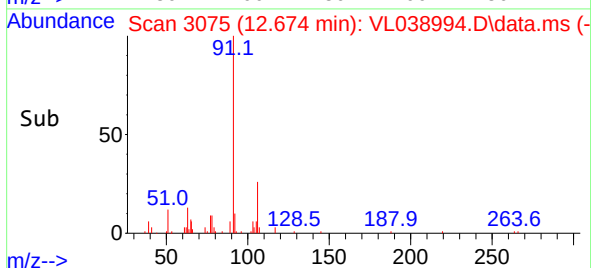
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

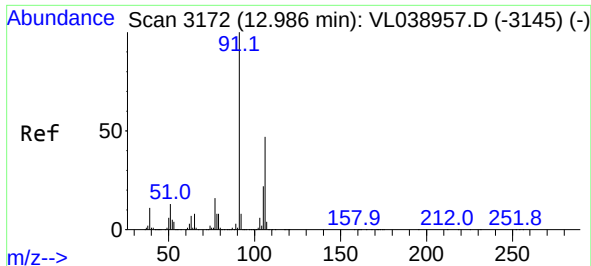


#58
Ethyl Benzene
Concen: 0.174 ppbv m
RT: 12.674 min Scan# 3075
Delta R.T. -0.026 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43



Tgt Ion: 91 Resp: 57016
Ion Ratio Lower Upper
91 100
106 25.8 24.2 36.4





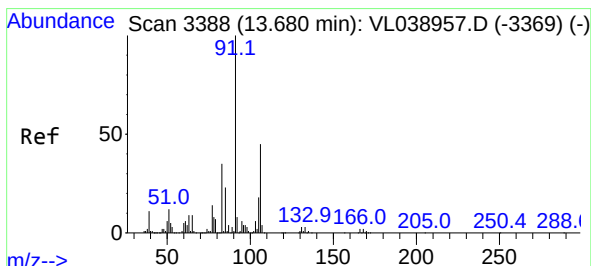
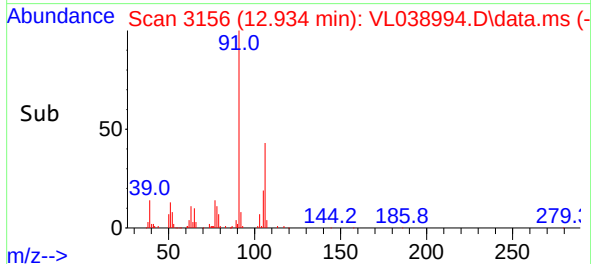
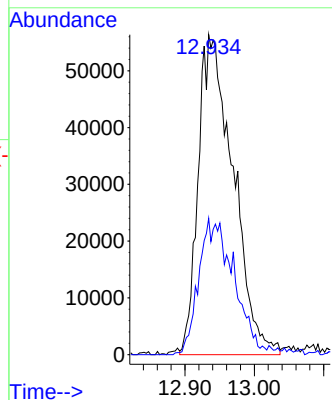
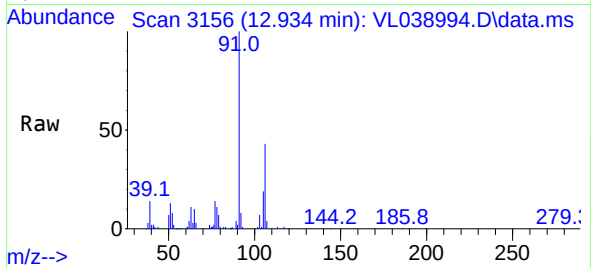
#59
m/p-Xylene
Concen: 0.703 ppbv m
RT: 12.934 min Scan# 3172
Delta R.T. -0.051 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 91 Resp: 19676
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0

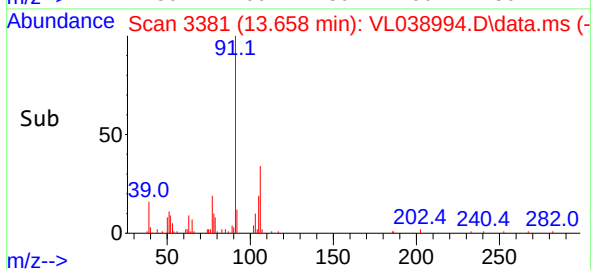
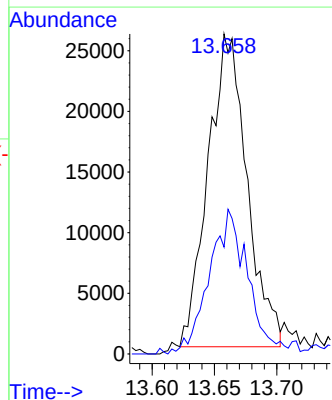
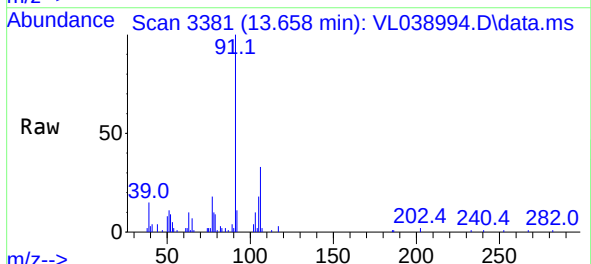
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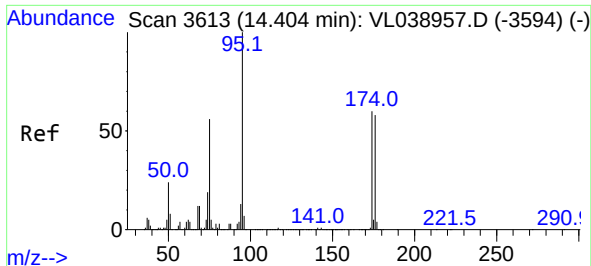
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#60
o-Xylene
Concen: 0.213 ppbv
RT: 13.658 min Scan# 3381
Delta R.T. -0.023 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

Tgt Ion: 91 Resp: 56173
Ion Ratio Lower Upper
91 100
106 48.1 22.2 66.6





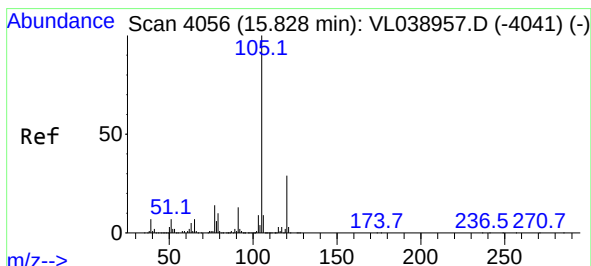
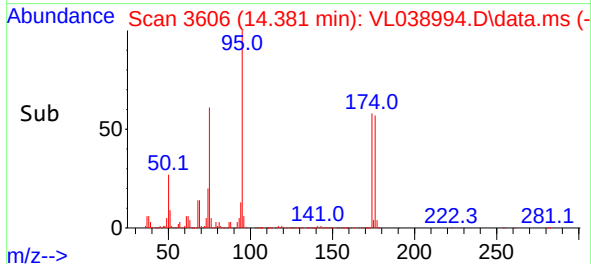
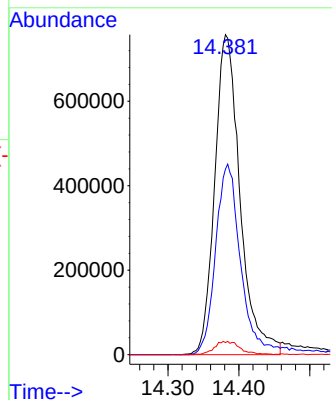
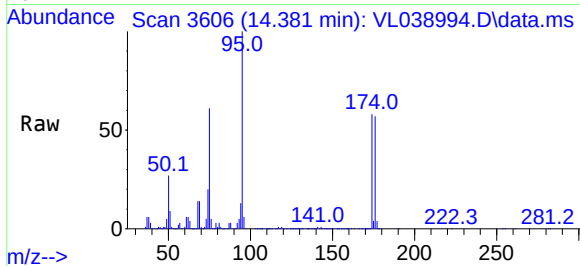
#68
1-Bromo-4-Fluorobenzene
Concen: 10.447 ppbv
RT: 14.381 min Scan# 30
Delta R.T. -0.023 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 95 Resp: 1886178
Ion Ratio Lower Upper
95 100
174 61.8 50.8 76.2
175 4.5 3.8 5.6

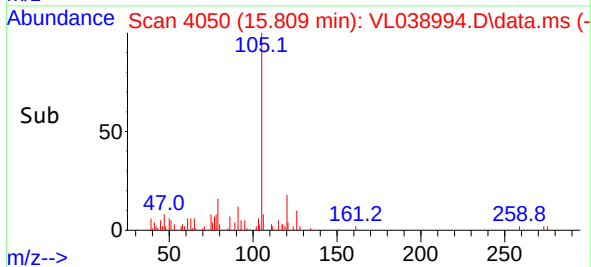
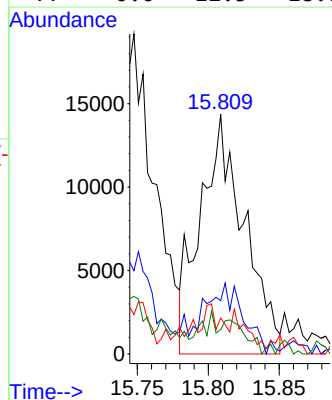
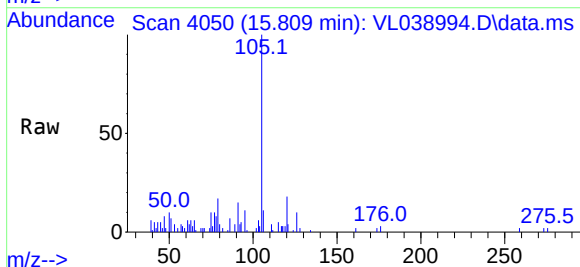
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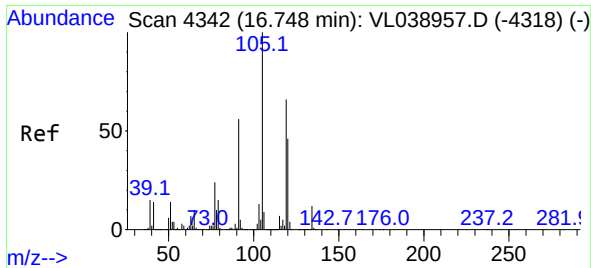
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#72
4-Ethyltoluene
Concen: 0.103 ppbv m
RT: 15.809 min Scan# 4050
Delta R.T. -0.019 min
Lab File: VL038994.D
Acq: 9 May 2022 19:43

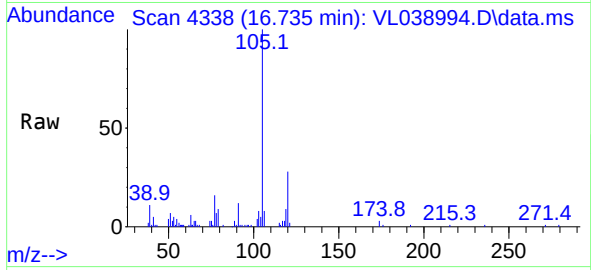
Tgt Ion:105 Resp: 30885
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.0#
91 0.0 10.6 16.0#
77 0.0 12.5 18.7#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.260 ppbv m
 RT: 16.735 min Scan# 4342
 Delta R.T. -0.013 min
 Lab File: VL038994.D
 Acq: 9 May 2022 19:43

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL



Tgt Ion:	105	Resp:	76962
Ion	Ratio	Lower	Upper
105	100		
120	27.9	36.9	55.3
91	12.3	45.0	67.4
77	15.9	19.2	28.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022

