

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
 Data File : VL038434.D
 Acq On : 24 Feb 2022 14:49
 Operator : SY/AP
 Sample : N1605-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2022
 Supervised By : Mahesh Dadoda 02/28/2022

Quant Time: Feb 25 00:44:20 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.632	49	799694	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.137	114	1875001	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.041	117	1618505	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.372	95	1278111	9.544	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.031	85	27866	0.220	ppbv	98
3) Chlorodifluoromethane	2.970	51	44697m	0.317	ppbv	
4) Chloromethane	3.121	50	26196	0.534	ppbv	95
9) Propene	3.006	41	124001	2.660	ppbv #	68
10) Heptane	8.086	43	31379m	0.276	ppbv	
11) Trichlorofluoromethane	3.925	101	24080	0.199	ppbv	90
13) Ethanol	3.588	45	4653076	1000.004	ppbv	91
15) Acetone	3.825	43	526398	7.740	ppbv #	75
19) Isopropyl Alcohol	3.951	45	11757633	298.564	ppbv #	96
20) Methylene Chloride	4.317	84	70028m	2.078	ppbv	
26) Hexane	5.658	57	484720	5.858	ppbv #	45
29) Chloroform	5.719	83	50198	0.372	ppbv	92
30) Cyclohexane	7.092	84	10474m	0.155	ppbv	
34) 2-Butanone	5.218	43	107886	1.829	ppbv	93
35) Carbon Tetrachloride	6.983	117	9739m	0.074	ppbv	
36) Benzene	6.854	78	104075	0.631	ppbv #	92
44) 2,2,4-Trimethylpentane	7.829	57	75199	0.265	ppbv #	75
53) Toluene	9.764	91	401218	2.239	ppbv	98
58) Ethyl Benzene	12.671	91	25627m	0.116	ppbv	
59) m/p-Xylene	12.928	91	68550m	0.361	ppbv	
60) o-Xylene	13.651	91	27121m	0.151	ppbv	
74) 1,2,4-Trimethylbenzene	16.719	105	27892m	0.147	ppbv	

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

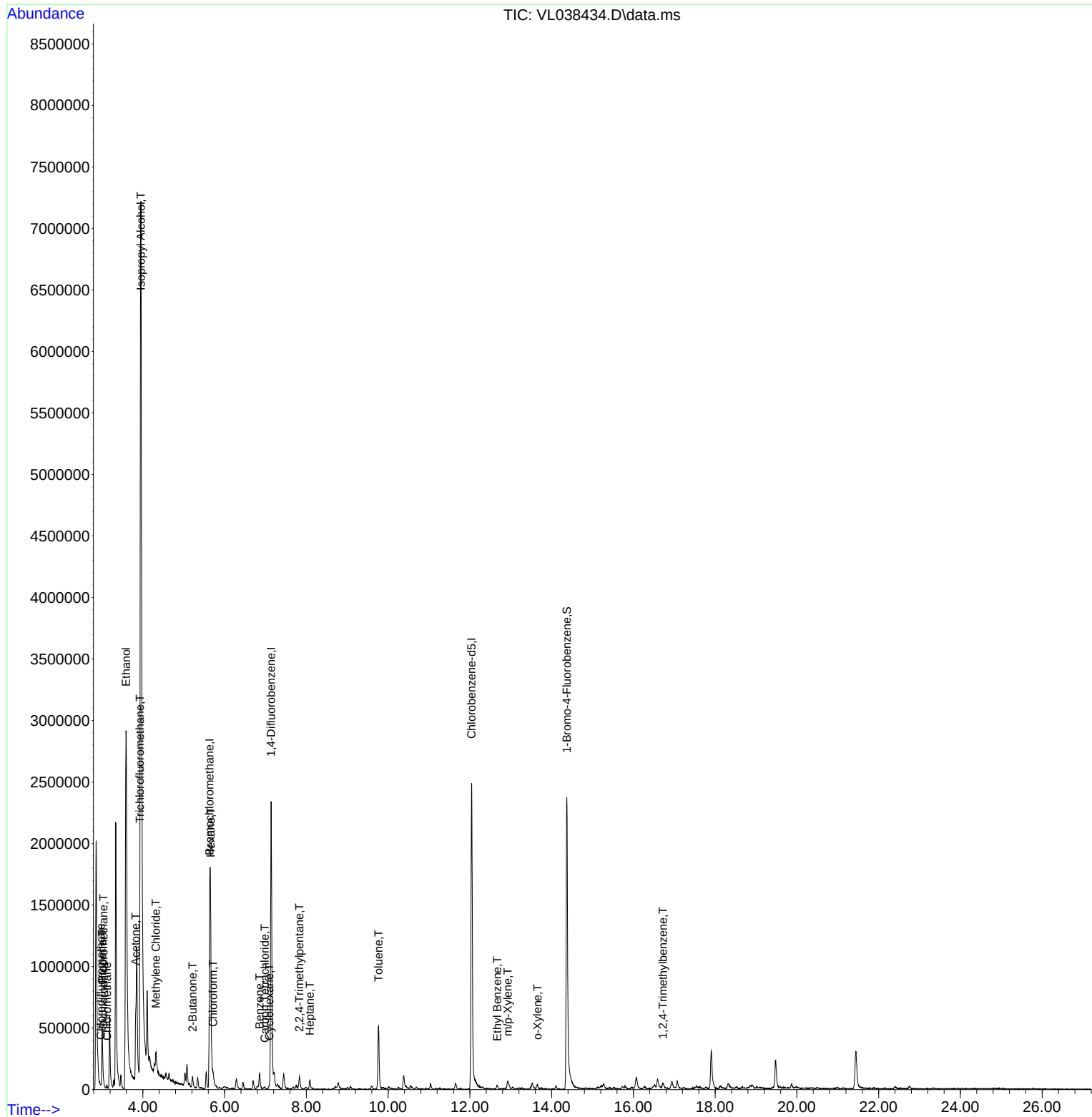
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022422\
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Misc : 400mL/MSVOA_L
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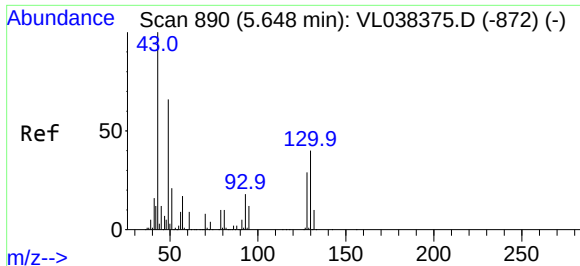
Instrument :
MSVOA_L
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IA-1

Quant Time: Feb 25 00:44:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb
QLast Update : Tue Feb 22 19:45:51 2022
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Manual Integrations
APPROVED

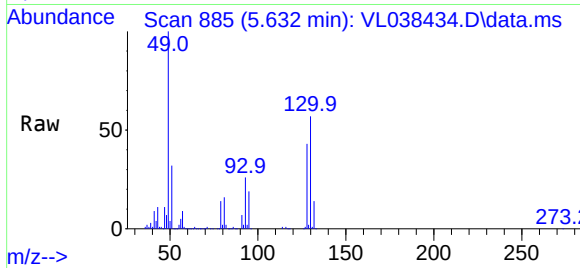
Reviewed By : Semsettin Yesilyurt 02/26/2022
Supervised By : Mahesh Dadoda 02/28/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.632 min Scan# 81
Delta R.T. -0.016 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

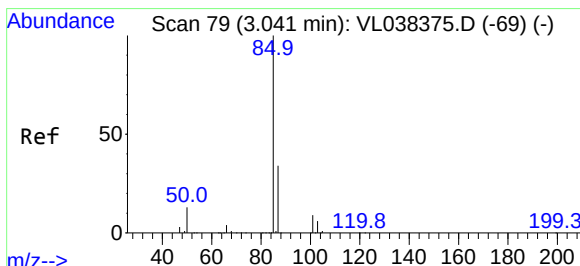
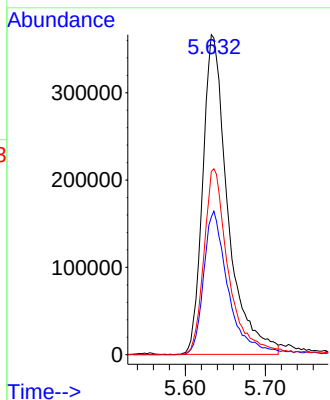
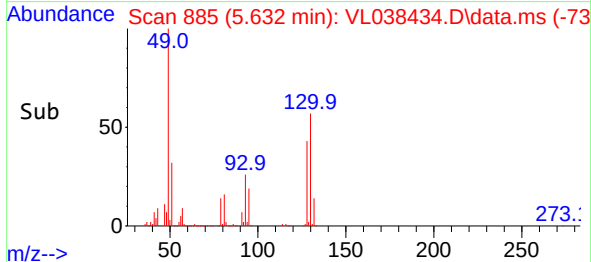
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 49 Resp: 799694
Ion Ratio Lower Upper
49 100
128 44.6 24.3 72.9
130 59.0 30.1 90.5

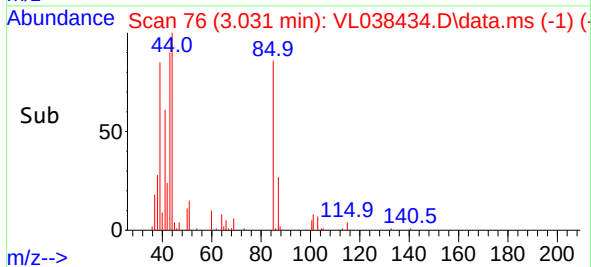
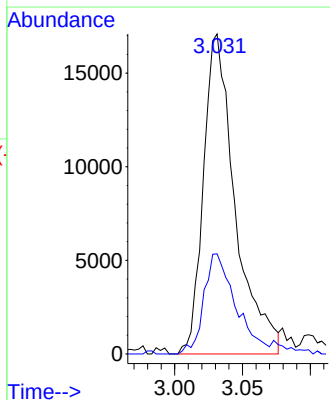
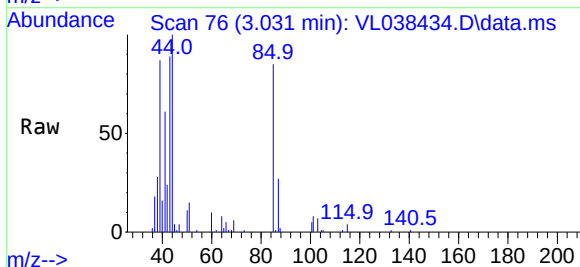
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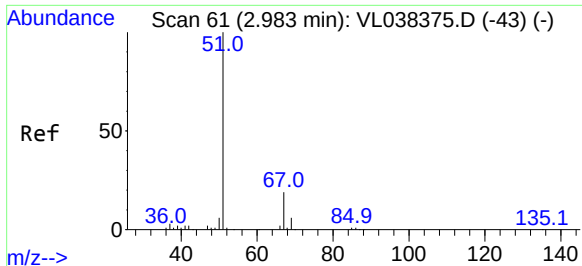
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#2
Dichlorodifluoromethane
Concen: 0.220 ppbv
RT: 3.031 min Scan# 76
Delta R.T. -0.009 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

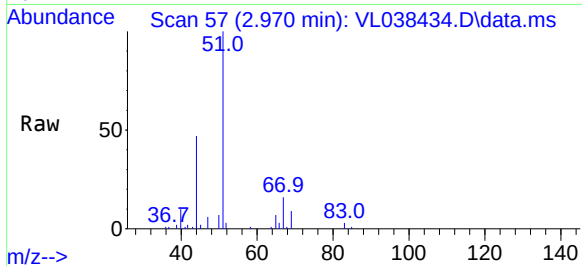
Tgt Ion: 85 Resp: 27866
Ion Ratio Lower Upper
85 100
87 33.3 27.4 41.0





#3
Chlorodifluoromethane
Concen: 0.317 ppbv m
RT: 2.970 min Scan# 51
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

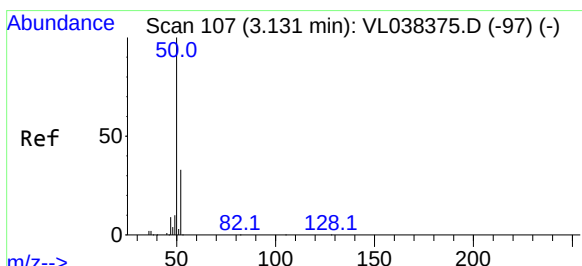
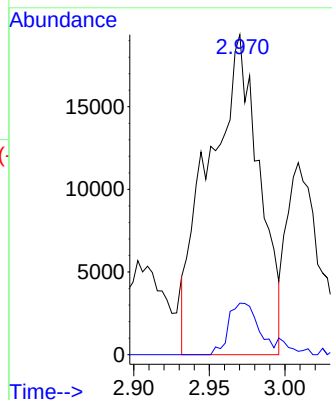
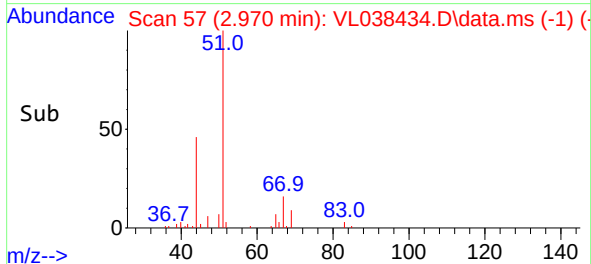
Instrument :
MSVOA_L
ClientSampleId :
IA-1



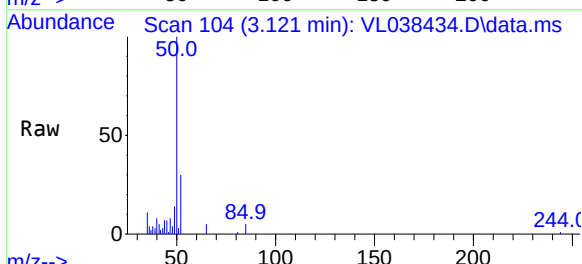
Tgt Ion: 51 Resp: 4469
Ion Ratio Lower Upper
51 100
67 11.3 14.7 22.1

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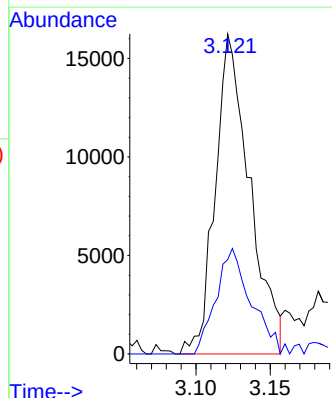
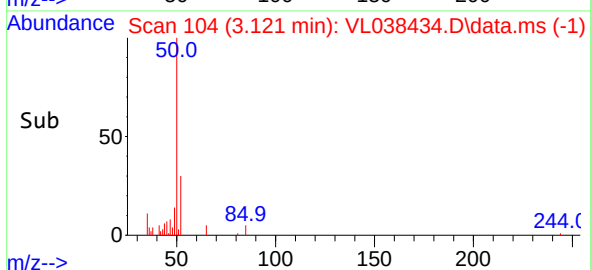
Reviewed By :Semsettin Yesilyurt 02/26/2022
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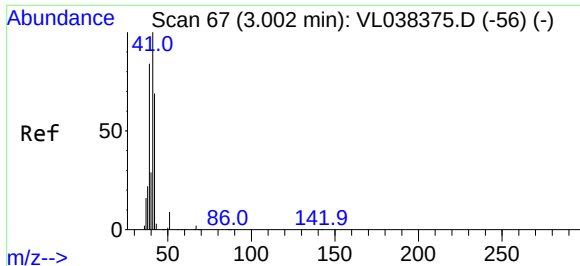


#4
Chloromethane
Concen: 0.534 ppbv
RT: 3.121 min Scan# 104
Delta R.T. -0.009 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49



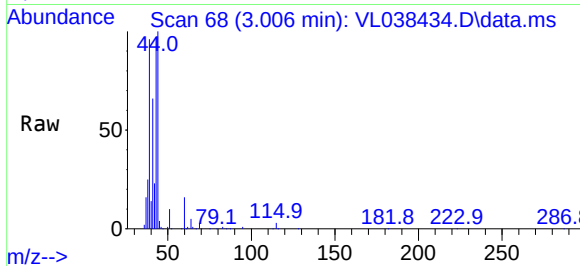
Tgt Ion: 50 Resp: 26196
Ion Ratio Lower Upper
50 100
52 30.5 26.5 39.7





#9
Propene
Concen: 2.660 ppbv
RT: 3.006 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

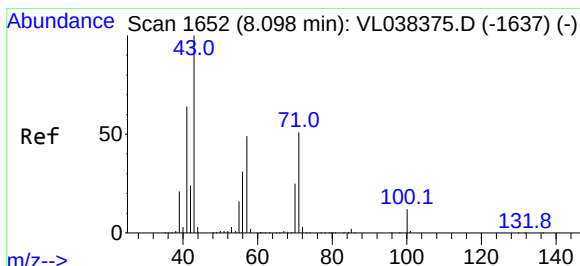
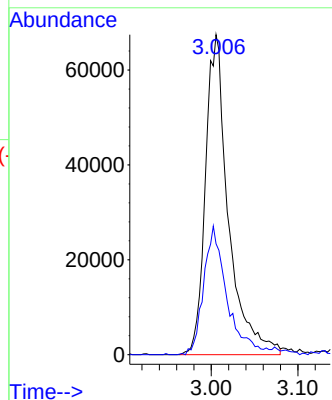
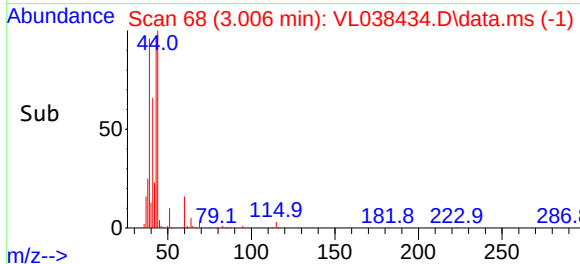
Instrument :
MSVOA_L
ClientSampleId :
IA-1



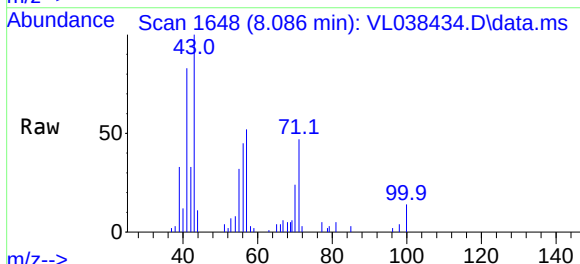
Tgt Ion: 41 Resp: 12400
Ion Ratio Lower Upper
41 100
42 42.4 54.6 82.0

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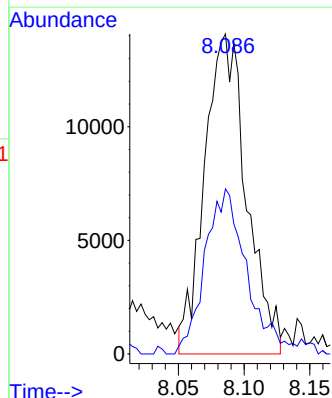
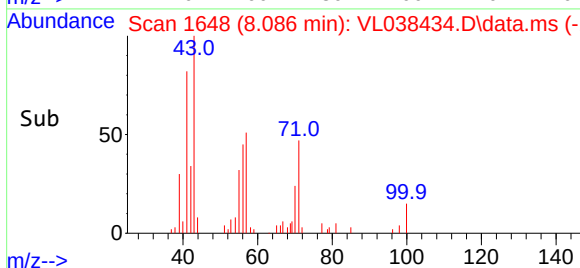
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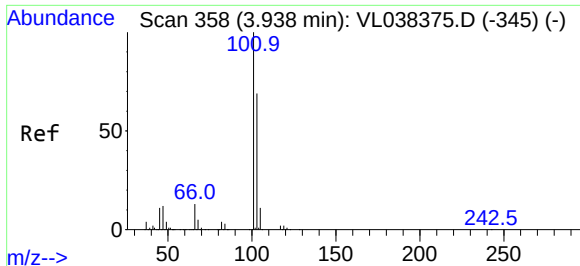


#10
Heptane
Concen: 0.276 ppbv m
RT: 8.086 min Scan# 1648
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49



Tgt Ion: 43 Resp: 31379
Ion Ratio Lower Upper
43 100
57 52.2 39.8 59.8





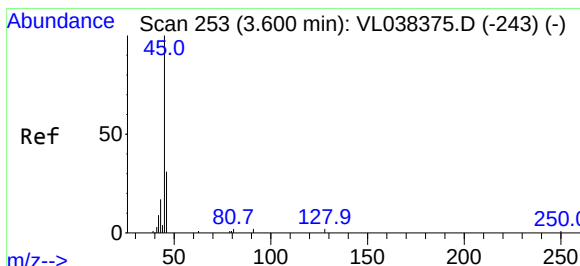
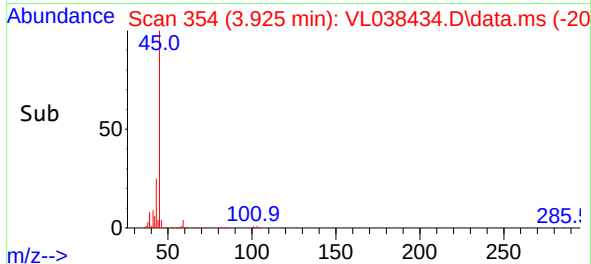
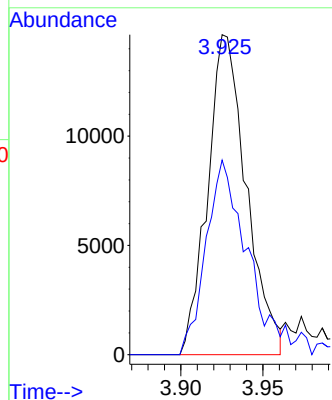
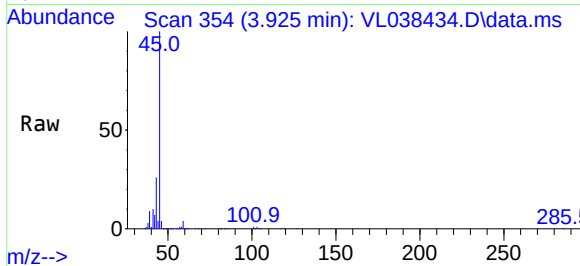
#11
Trichlorofluoromethane
Concen: 0.199 ppbv
RT: 3.925 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:101 Resp: 24080
Ion Ratio Lower Upper
101 100
103 60.8 55.0 82.4

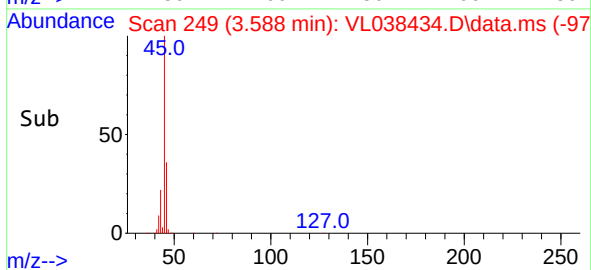
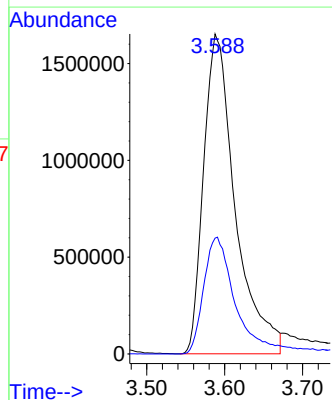
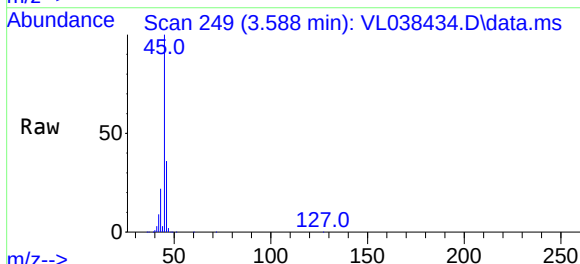
Manual Integrations
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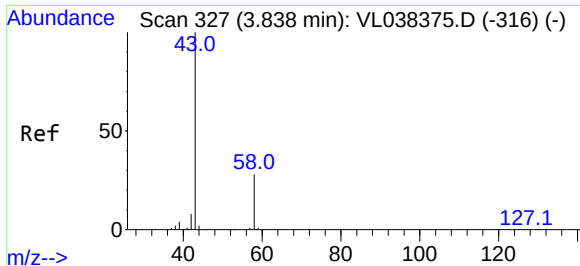
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#13
Ethanol
Concen: 1000.004 ppbv
RT: 3.588 min Scan# 249
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

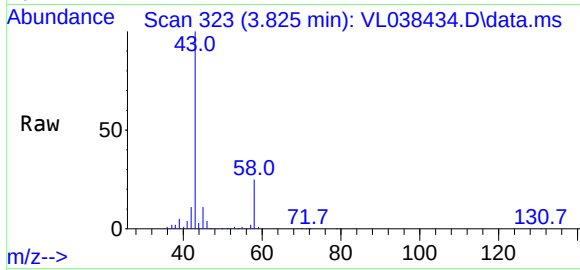
Tgt Ion: 45 Resp: 4653076
Ion Ratio Lower Upper
45 100
46 39.6 18.2 72.8





#15
Acetone
Concen: 7.740 ppbv
RT: 3.825 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

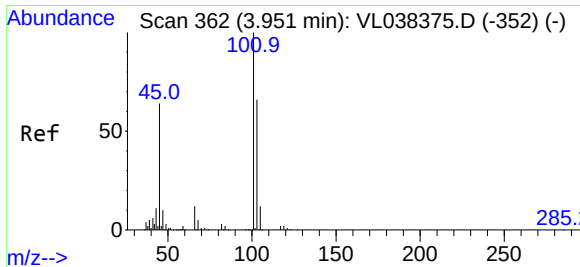
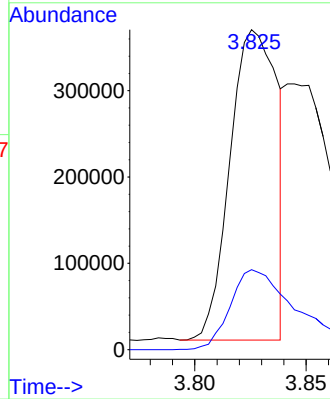
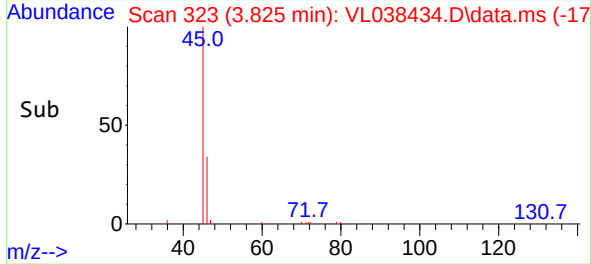
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 43 Resp: 526398
Ion Ratio Lower Upper
43 100
58 40.1 21.7 32.5

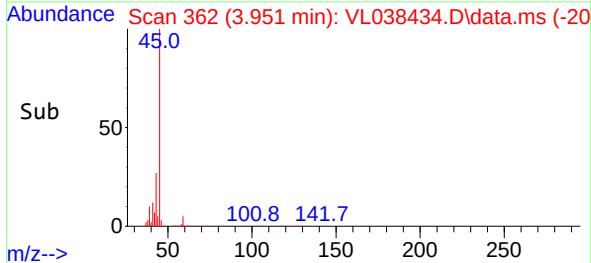
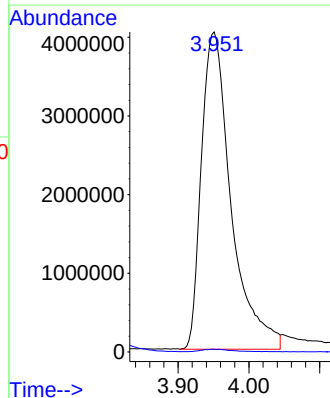
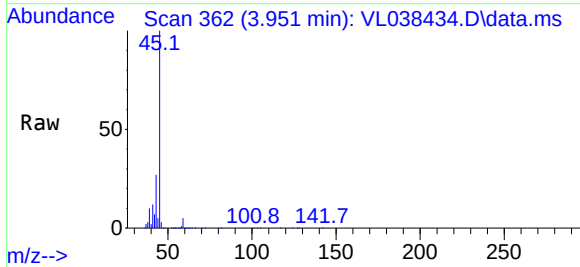
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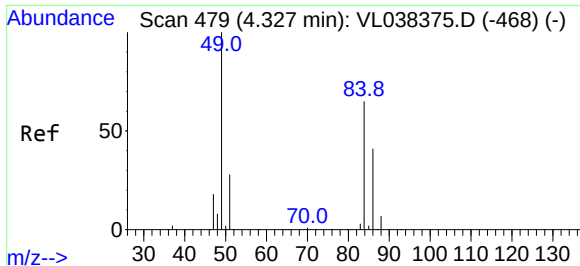
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#19
Isopropyl Alcohol
Concen: 298.564 ppbv
RT: 3.951 min Scan# 362
Delta R.T. 0.000 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

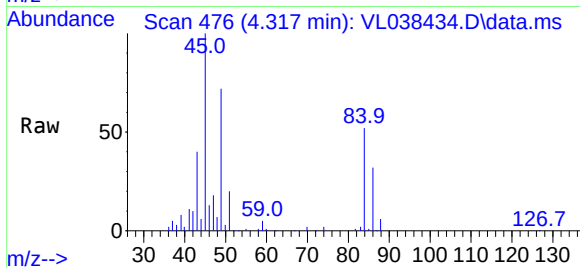
Tgt Ion: 45 Resp:11757633
Ion Ratio Lower Upper
45 100
58 0.9 1.8 2.8





#20
Methylene Chloride
Concen: 2.078 ppbv m
RT: 4.317 min Scan# 41
Delta R.T. -0.009 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

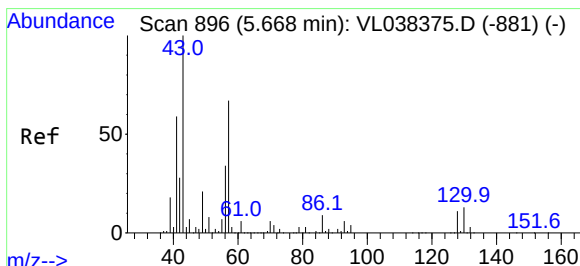
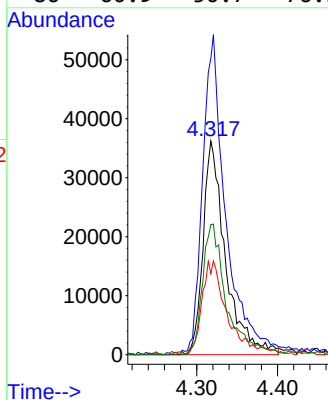
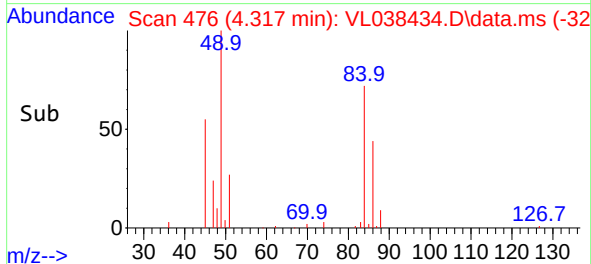
Instrument :
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ClientSampleId :
IA-1



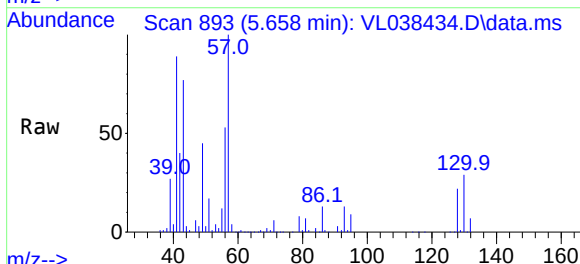
Tgt Ion: 84 Resp: 70028
Ion Ratio Lower Upper
84 100
49 138.7 122.4 183.6
51 38.0 33.3 49.9
86 60.9 50.7 76.1

Manual Integrations
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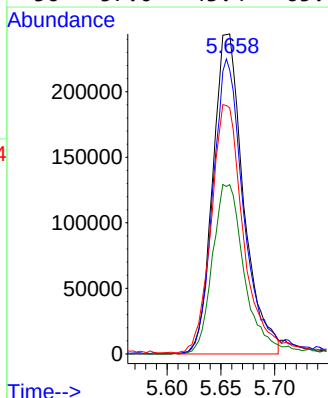
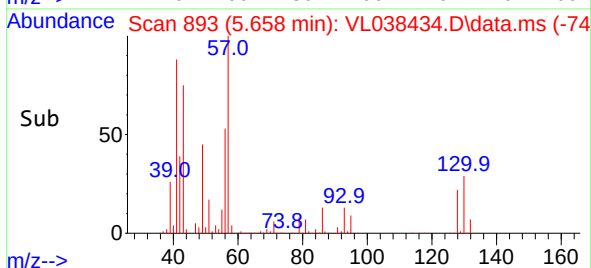
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022

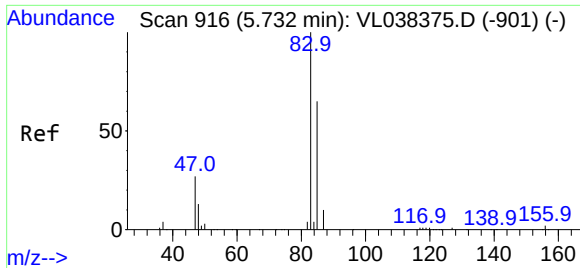


#26
Hexane
Concen: 5.858 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.009 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49



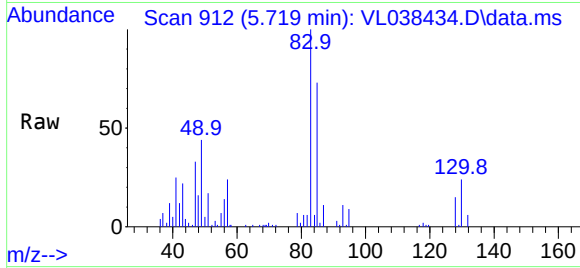
Tgt Ion: 57 Resp: 484720
Ion Ratio Lower Upper
57 100
41 94.8 73.1 109.7
43 83.1 181.0 271.4#
56 57.0 43.4 65.0





#29
Chloroform
Concen: 0.372 ppbv
RT: 5.719 min Scan# 916
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

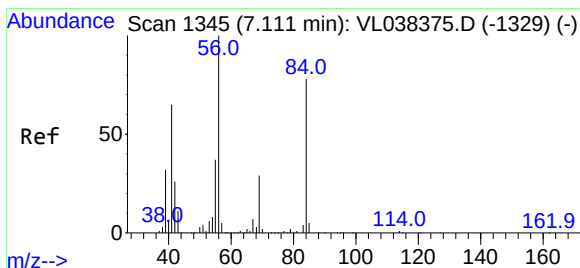
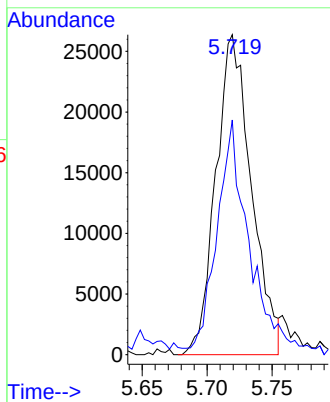
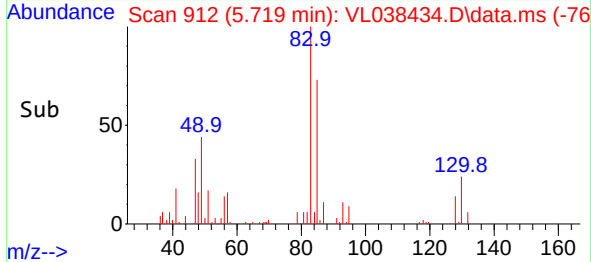
Instrument :
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IA-1



Tgt Ion: 83 Resp: 50198
Ion Ratio Lower Upper
83 100
85 71.1 51.6 77.4

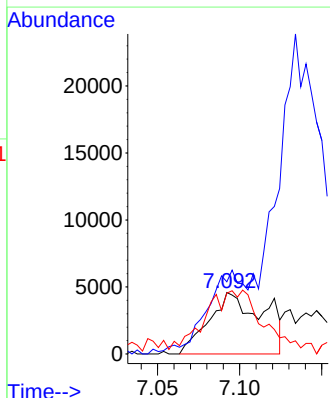
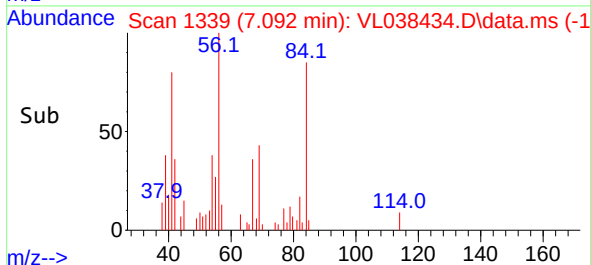
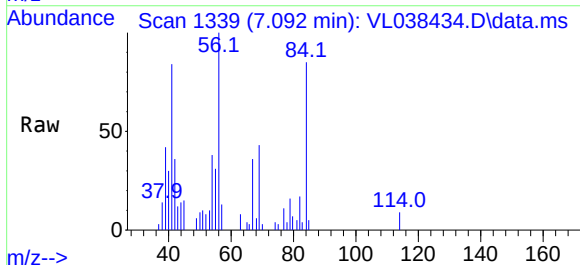
Manual Integrations
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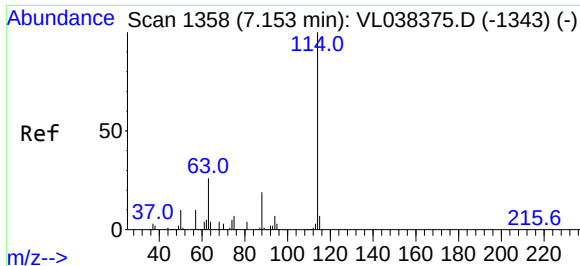
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#30
Cyclohexane
Concen: 0.155 ppbv m
RT: 7.092 min Scan# 1339
Delta R.T. -0.019 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

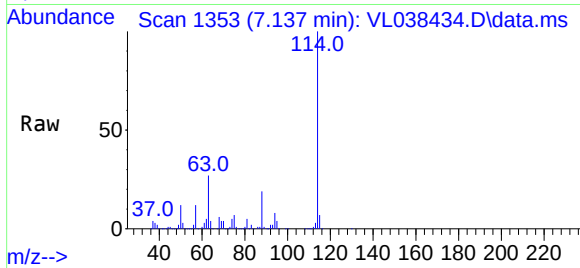
Tgt Ion: 84 Resp: 10474
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 0.0 74.3 111.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.137 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

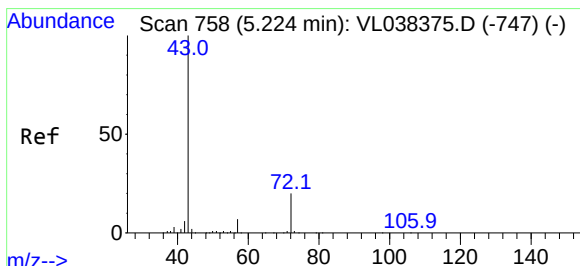
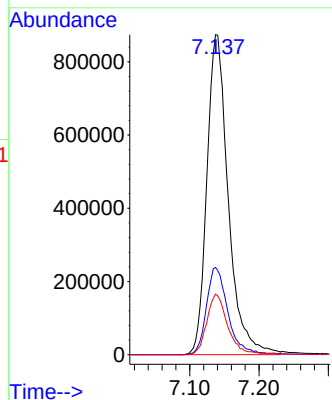
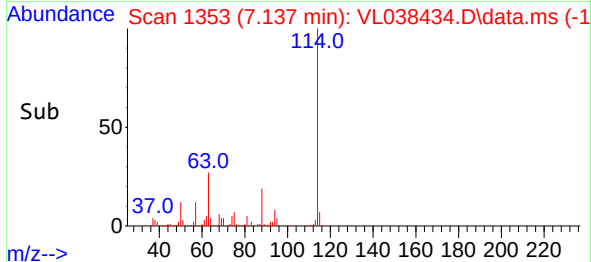
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 114 Resp: 187500
Ion Ratio Lower Upper
114 100
63 27.7 22.2 33.2
88 18.7 15.2 22.8

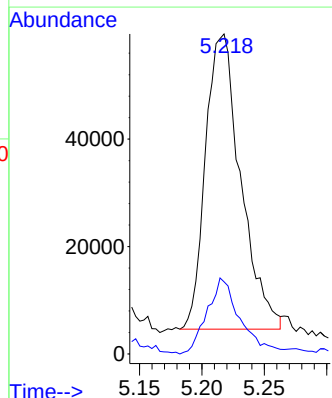
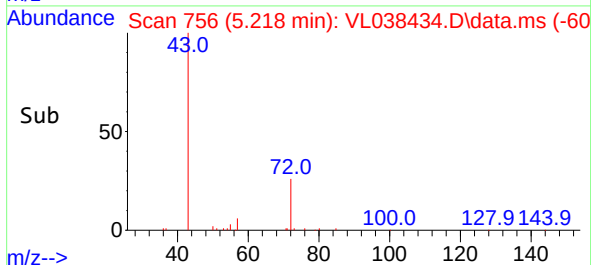
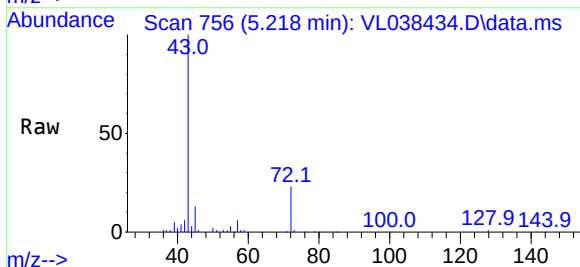
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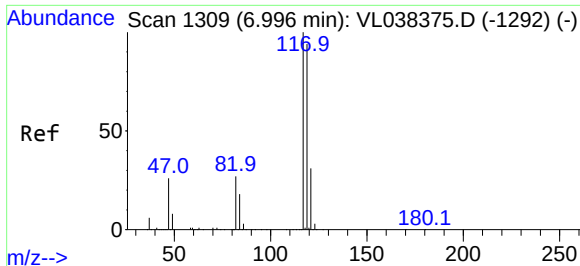
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#34
2-Butanone
Concen: 1.829 ppbv
RT: 5.218 min Scan# 756
Delta R.T. -0.006 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

Tgt Ion: 43 Resp: 107886
Ion Ratio Lower Upper
43 100
72 25.3 17.4 26.2





#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 6.983 min Scan# 117

Delta R.T. -0.013 min

Lab File: VL038434.D

Acq: 24 Feb 2022 14:49

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion: 117 Resp: 973

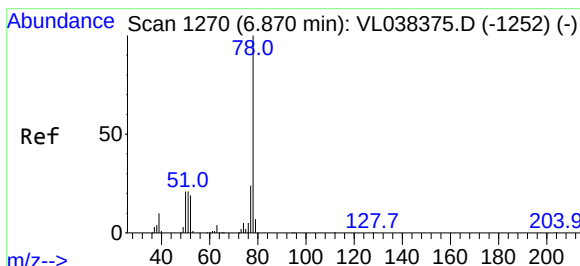
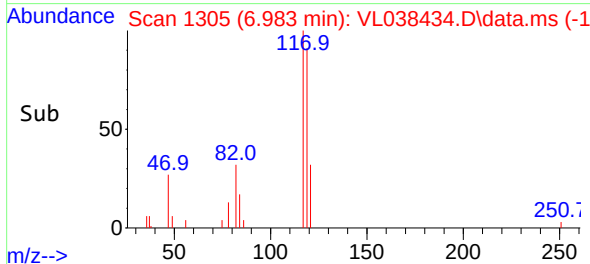
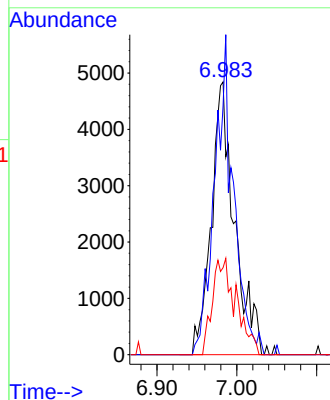
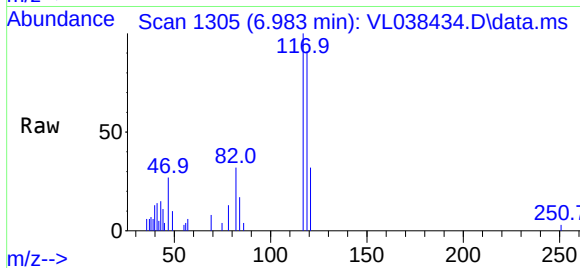
Ion	Ratio	Lower	Upper
117	100		
119	91.3	74.9	112.3
121	31.9	24.8	37.2

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Reviewed By :Semsettin Yesilyurt 02/26/2022

Supervised By :Mahesh Dadoda 02/28/2022



#36

Benzene

Concen: 0.631 ppbv

RT: 6.854 min Scan# 1265

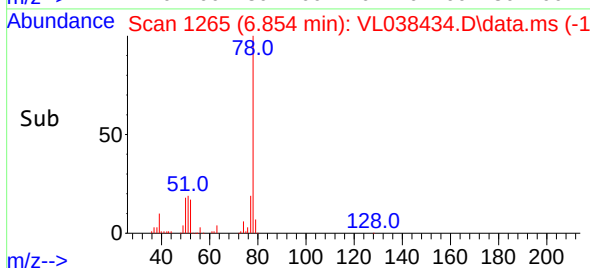
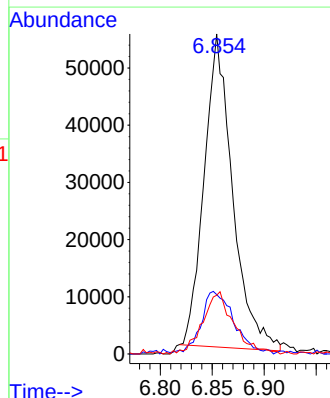
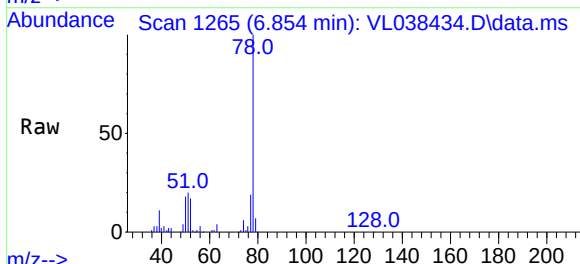
Delta R.T. -0.016 min

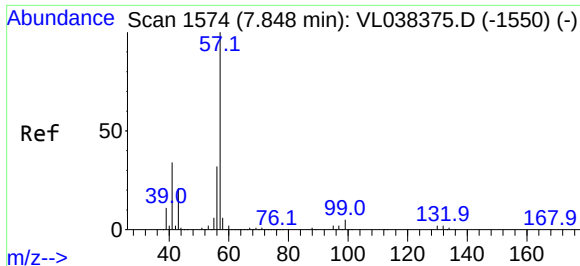
Lab File: VL038434.D

Acq: 24 Feb 2022 14:49

Tgt Ion: 78 Resp: 104075

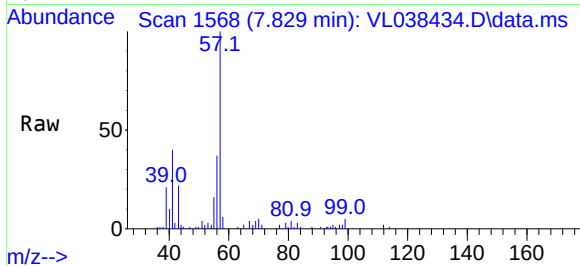
Ion	Ratio	Lower	Upper
78	100		
77	18.2	19.0	28.6
50	18.9	16.6	24.8





#44
2,2,4-Trimethylpentane
Concen: 0.265 ppbv
RT: 7.829 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

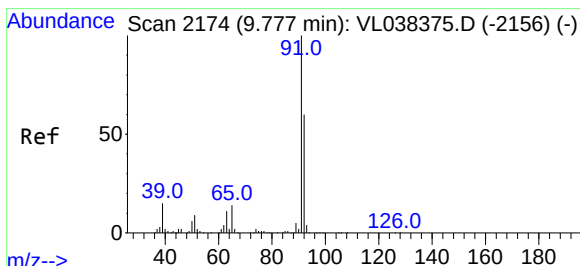
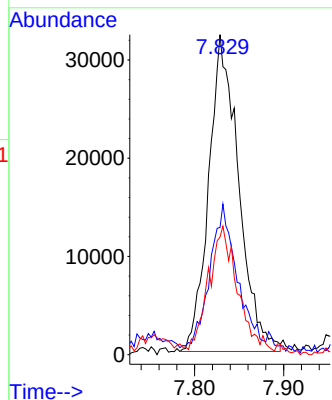
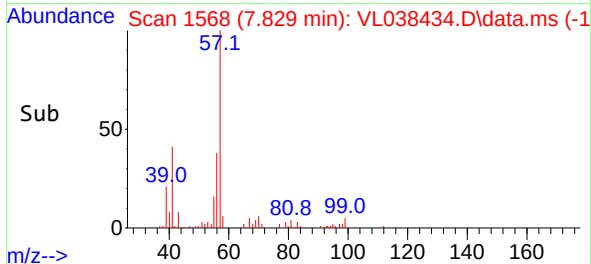
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 57 Resp: 75199
Ion Ratio Lower Upper
57 100
41 50.1 26.6 39.8
56 41.8 25.0 37.6

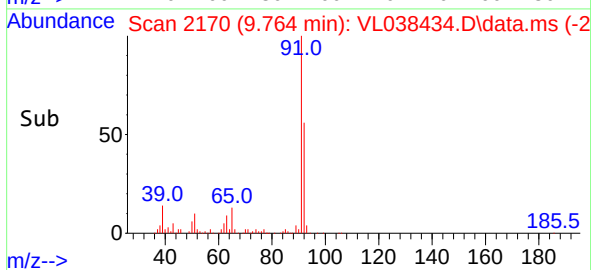
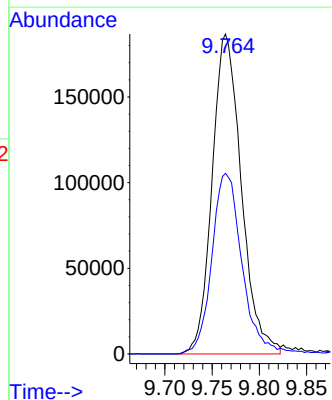
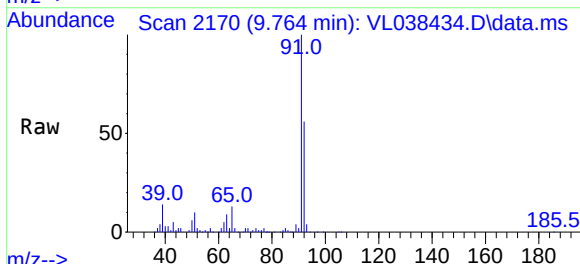
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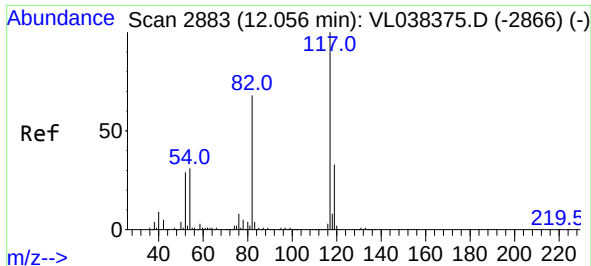
Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#53
Toluene
Concen: 2.239 ppbv
RT: 9.764 min Scan# 2170
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

Tgt Ion: 91 Resp: 401218
Ion Ratio Lower Upper
91 100
92 58.6 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.041 min Scan# 2883

Delta R.T. -0.016 min

Lab File: VL038434.D

Acq: 24 Feb 2022 14:49

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion:117 Resp: 161850

Ion Ratio Lower Upper

117 100

82 73.2 54.9 82.3

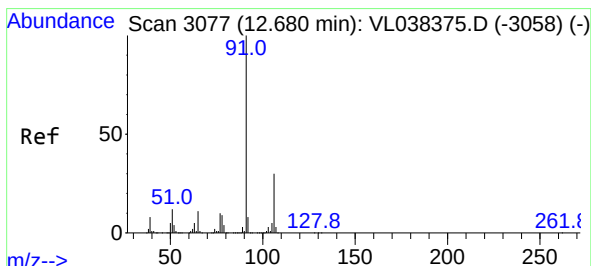
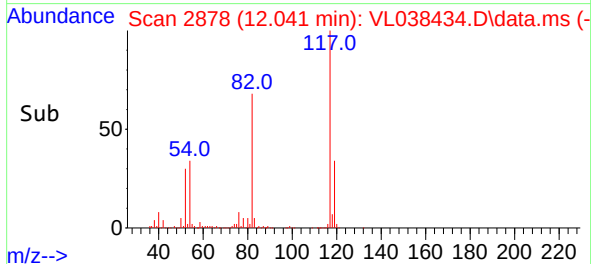
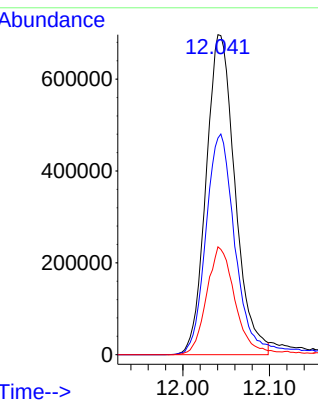
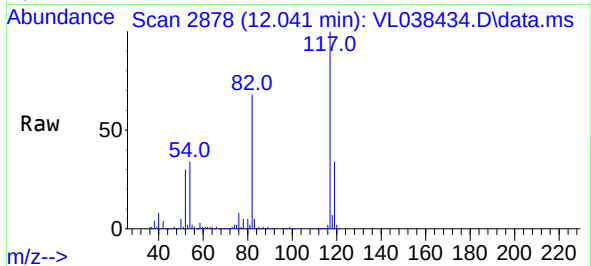
119 34.3 46.1 69.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/26/2022

Supervised By :Mahesh Dadoda 02/28/2022



#58

Ethyl Benzene

Concen: 0.116 ppbv m

RT: 12.671 min Scan# 3074

Delta R.T. -0.009 min

Lab File: VL038434.D

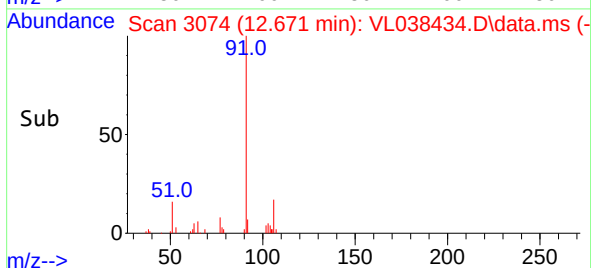
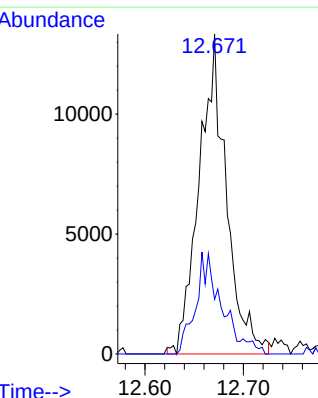
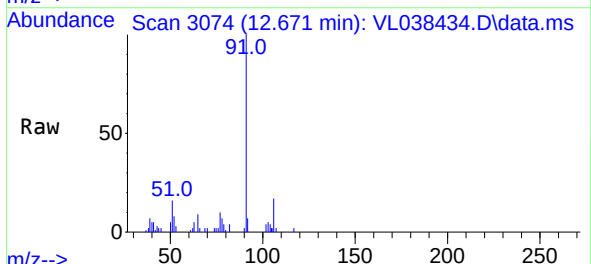
Acq: 24 Feb 2022 14:49

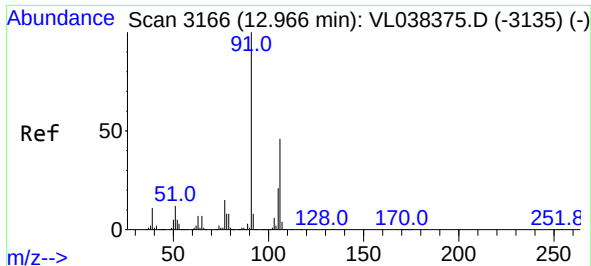
Tgt Ion: 91 Resp: 25627

Ion Ratio Lower Upper

91 100

106 17.1 24.0 36.0





#59

m/p-Xylene

Concen: 0.361 ppbv m

RT: 12.928 min Scan# 3166

Delta R.T. -0.038 min

Lab File: VL038434.D

Acq: 24 Feb 2022 14:49

Instrument :

MSVOA_L

ClientSampleId :

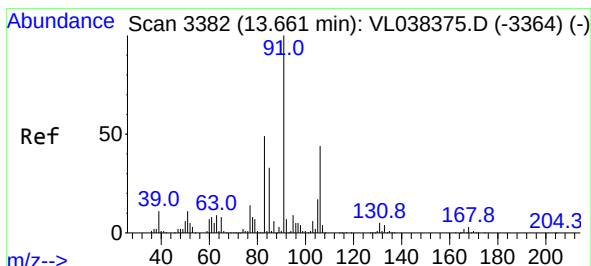
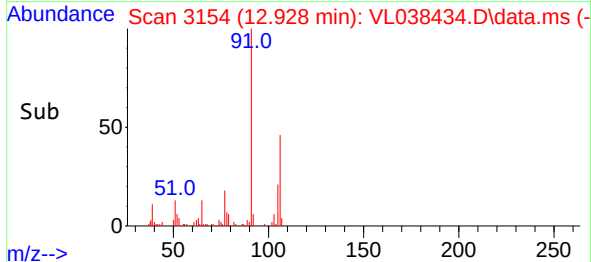
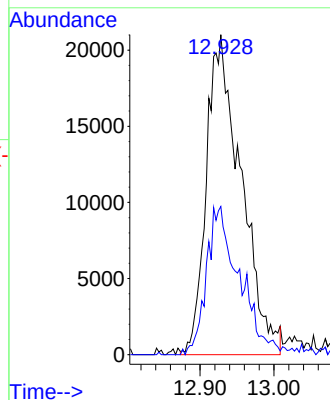
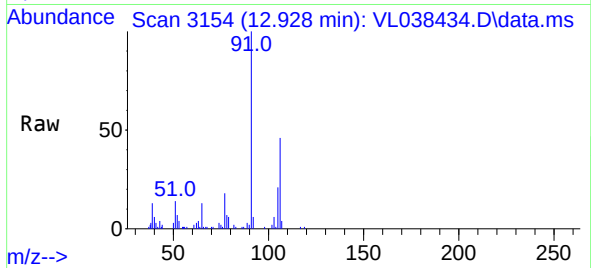
IA-1

Tgt Ion: 91 Resp: 68550
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.4 51.6

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Reviewed By :Semsettin Yesilyurt 02/26/2022
 Supervised By :Mahesh Dadoda 02/28/2022



#60

o-Xylene

Concen: 0.151 ppbv m

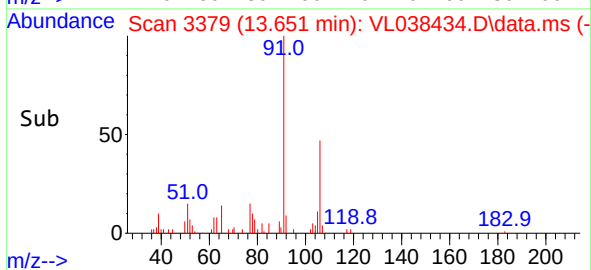
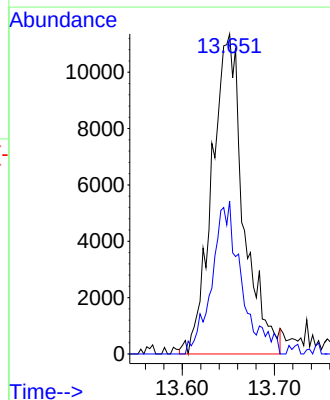
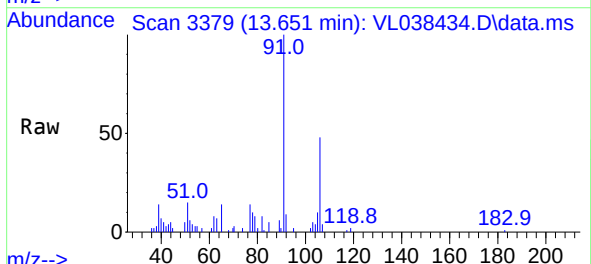
RT: 13.651 min Scan# 3379

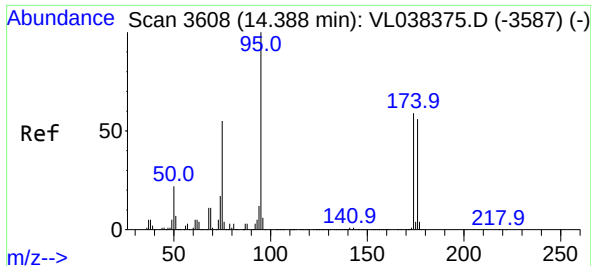
Delta R.T. -0.009 min

Lab File: VL038434.D

Acq: 24 Feb 2022 14:49

Tgt Ion: 91 Resp: 27121
 Ion Ratio Lower Upper
 91 100
 106 45.5 21.9 65.5





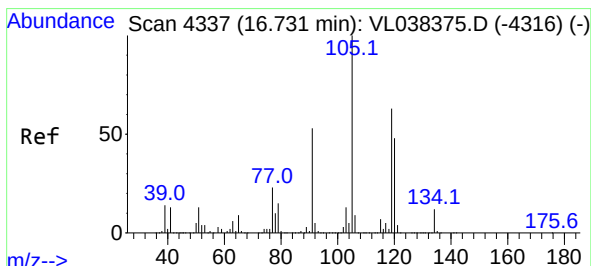
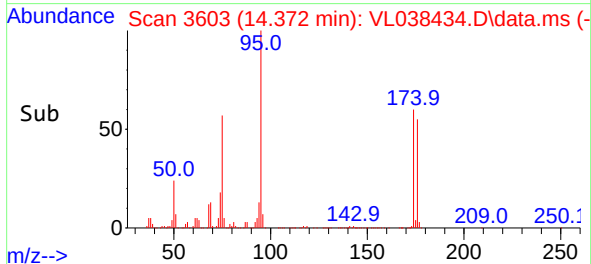
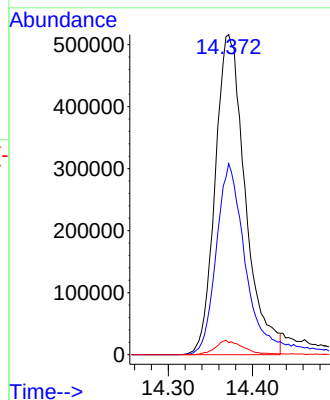
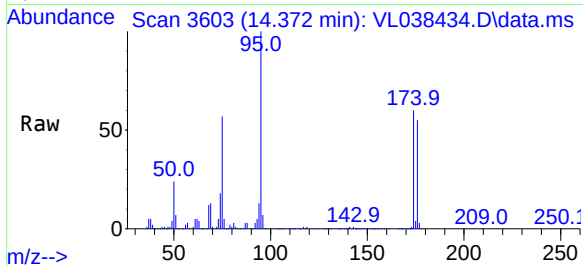
#68
1-Bromo-4-Fluorobenzene
Concen: 9.544 ppbv
RT: 14.372 min Scan# 3603
Delta R.T. -0.016 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

Instrument : MSVOA_L
ClientSampleId : IA-1

Tgt Ion: 95 Resp: 127811
Ion Ratio Lower Upper
95 100
174 61.7 49.0 73.4
175 4.2 3.6 5.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/26/2022
Supervised By :Mahesh Dadoda 02/28/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.147 ppbv m
RT: 16.719 min Scan# 4333
Delta R.T. -0.013 min
Lab File: VL038434.D
Acq: 24 Feb 2022 14:49

Tgt Ion:105 Resp: 27892
Ion Ratio Lower Upper
105 100
120 33.9 38.2 57.4#
91 9.5 42.7 64.1#
77 13.1 18.5 27.7#

