

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
 Data File : VL038425.D
 Acq On : 24 Feb 2022 2:36
 Operator : SY/AP
 Sample : N1605-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022

Quant Time: Feb 24 07:34:15 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL02222AIR.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	5.645	49	768112	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.150	114	1875566	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.053	117	1649593	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.384	95	1336772	9.794	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	31170	0.256	ppbv #	87
3) Chlorodifluoromethane	2.980	51	42513m	0.313	ppbv	
4) Chloromethane	3.128	50	25912	0.550	ppbv	91
9) Propene	3.009	41	41572m	0.928	ppbv	
10) Heptane	8.095	43	41060	0.377	ppbv	91
11) Trichlorofluoromethane	3.935	101	25696m	0.221	ppbv	
13) Ethanol	3.587	45	1938614	433.763	ppbv	85
15) Acetone	3.832	43	539988	8.267	ppbv #	80
17) tert-Butyl alcohol	4.288	59	12835m	0.197	ppbv	
19) Isopropyl Alcohol	3.947	45	4423145	116.936	ppbv #	97
20) Methylene Chloride	4.330	84	34247	1.058	ppbv	84
26) Hexane	5.668	57	559516	7.041	ppbv #	45
30) Cyclohexane	7.105	84	18413m	0.283	ppbv	
34) 2-Butanone	5.224	43	97742	1.657	ppbv	95
35) Carbon Tetrachloride	6.999	117	8168m	0.062	ppbv	
36) Benzene	6.864	78	129718	0.786	ppbv	98
44) 2,2,4-Trimethylpentane	7.838	57	99203	0.350	ppbv #	79
53) Toluene	9.777	91	1057317	5.898	ppbv	99
58) Ethyl Benzene	12.677	91	44003	0.195	ppbv	100
59) m/p-Xylene	12.937	91	127677m	0.659	ppbv	
60) o-Xylene	13.658	91	48896	0.267	ppbv	98
72) 4-Ethyltoluene	15.799	105	23854m	0.118	ppbv	
74) 1,2,4-Trimethylbenzene	16.728	105	72514m	0.375	ppbv	

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

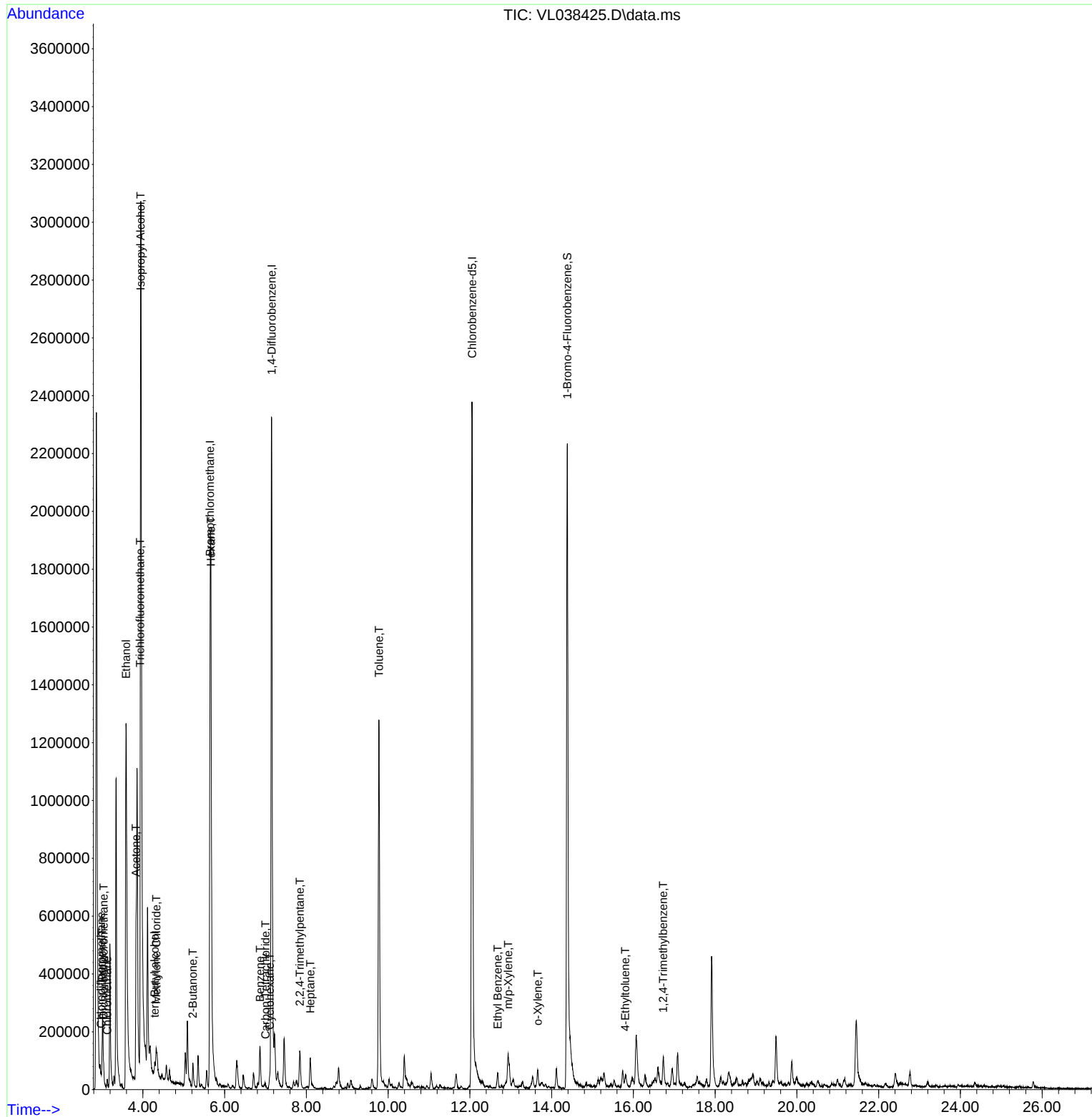
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022322\
Data File : VL038425.D
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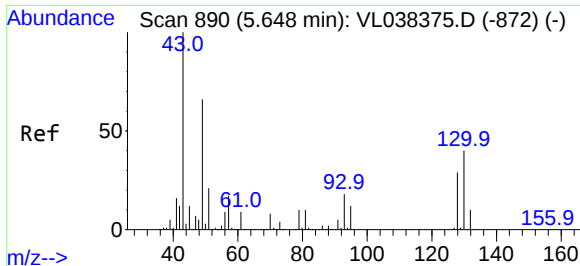
Instrument :
MSVOA_L
ClientSampleId :
IA-5

Quant Time: Feb 24 07:34:15 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
Response via : Initial Calibration

Manual Integrations
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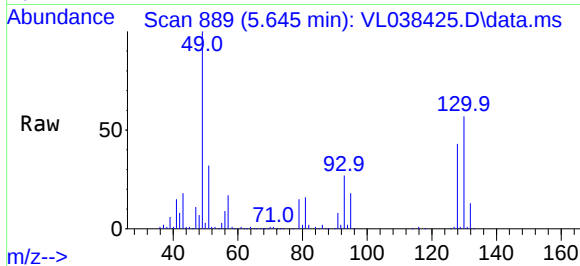
Reviewed By : Semsettin Yesilyurt 02/24/2022
Supervised By : Mahesh Dadoda 02/25/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 890
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

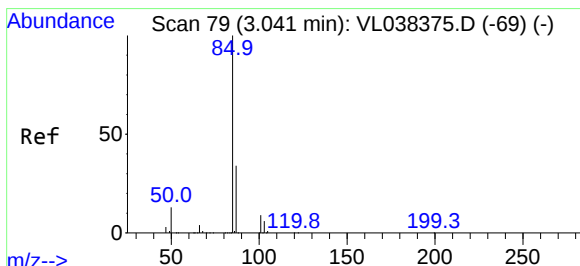
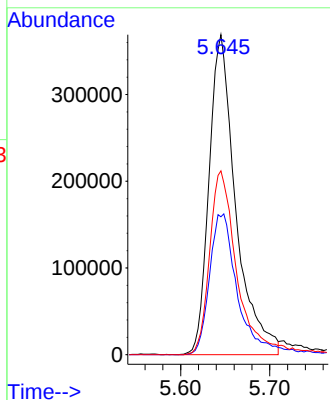
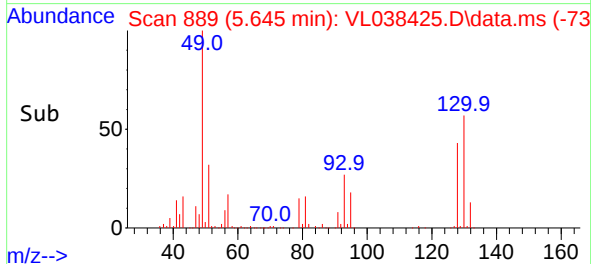
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion: 49 Resp: 768112
Ion Ratio Lower Upper
49 100
128 47.8 24.3 72.9
130 61.2 30.1 90.5

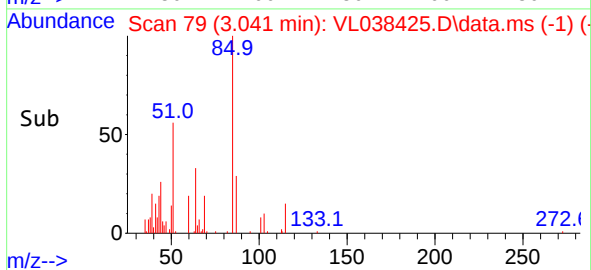
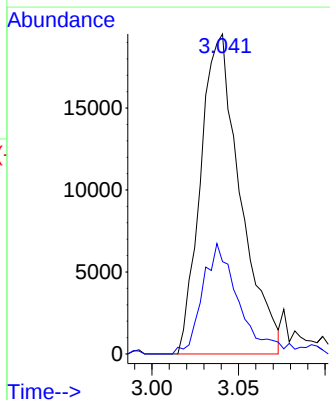
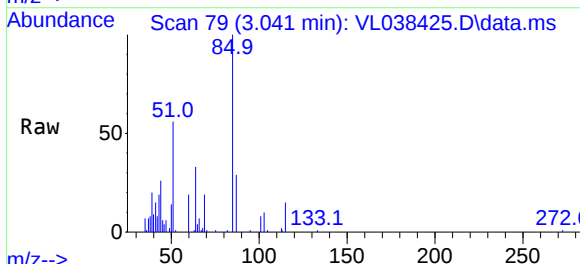
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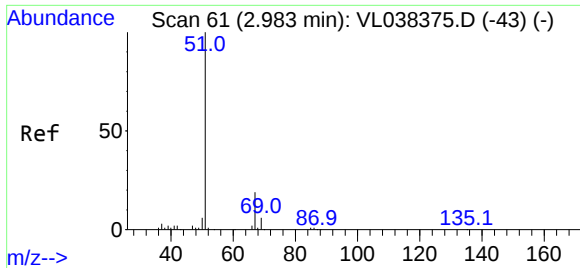
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Supervised By :Mahesh Dadoda 02/25/2022



#2
Dichlorodifluoromethane
Concen: 0.256 ppbv
RT: 3.041 min Scan# 79
Delta R.T. 0.000 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

Tgt Ion: 85 Resp: 31170
Ion Ratio Lower Upper
85 100
87 26.8 27.4 41.0#





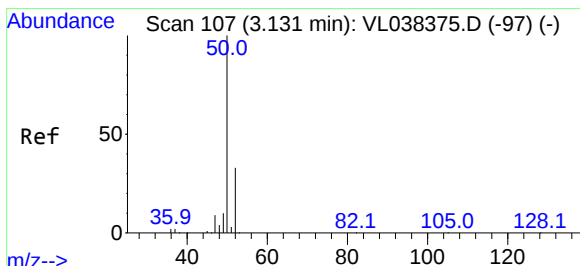
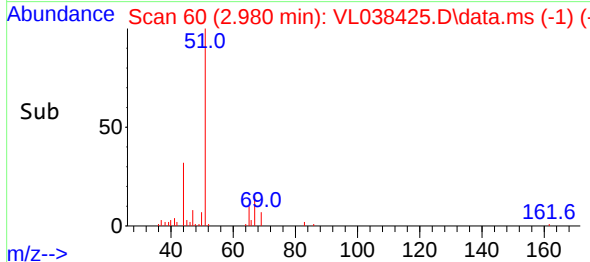
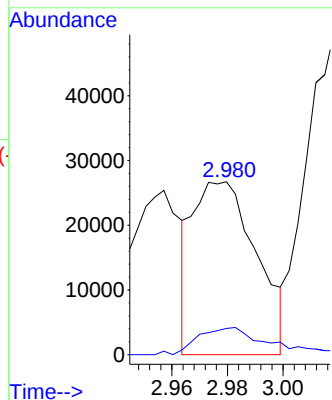
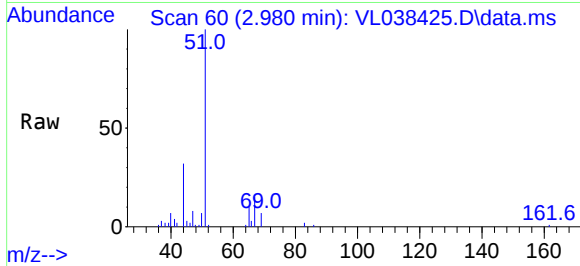
#3
Chlorodifluoromethane
Concen: 0.313 ppbv
RT: 2.980 min Scan# 60
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

Instrument :
MSVOA_L
ClientSampleId :
IA-5

Tgt Ion: 51 Resp: 4251
Ion Ratio Lower Upper
51 100
67 19.0 14.7 22.1

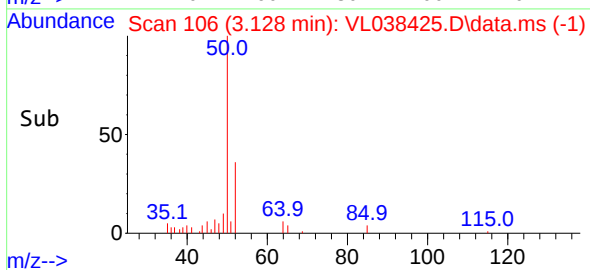
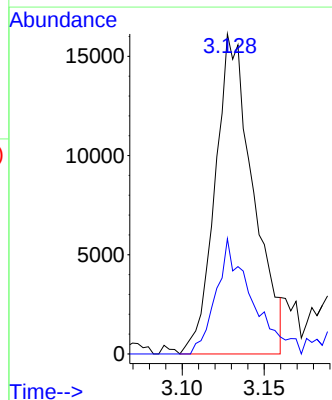
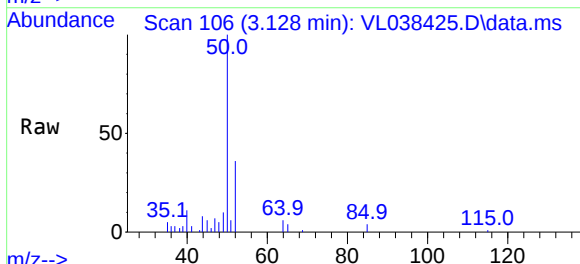
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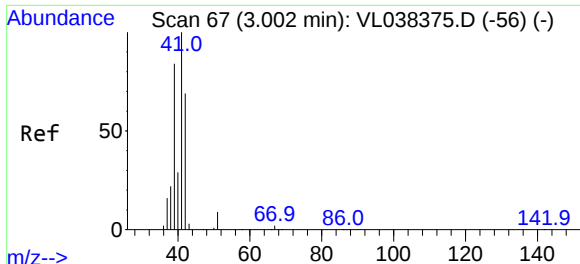
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#4
Chloromethane
Concen: 0.550 ppbv
RT: 3.128 min Scan# 106
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

Tgt Ion: 50 Resp: 25912
Ion Ratio Lower Upper
50 100
52 38.4 26.5 39.7





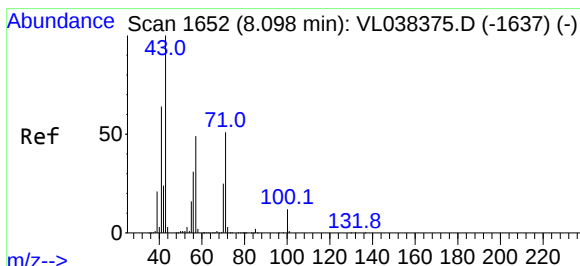
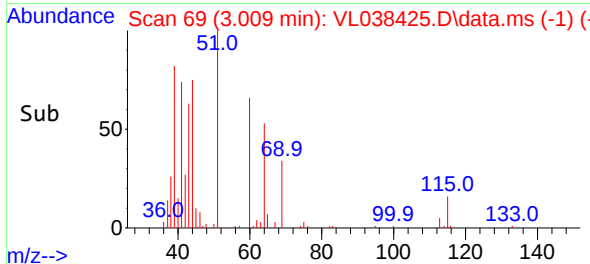
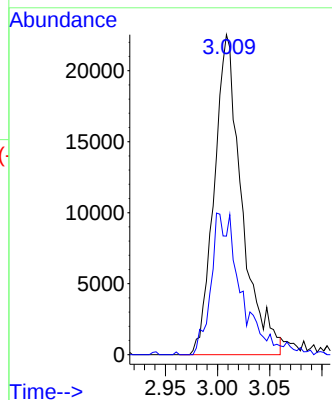
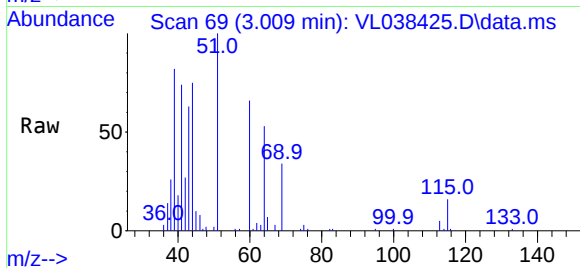
#9
Propene
Concen: 0.928 ppbv m
RT: 3.009 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

Instrument :
MSVOA_L
ClientSampleId :
IA-5

Tgt Ion: 41 Resp: 41572
Ion Ratio Lower Upper
41 100
42 280.5 54.6 82.0

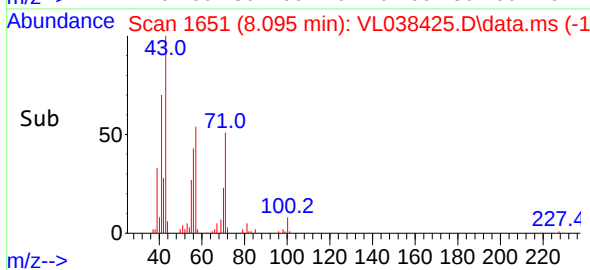
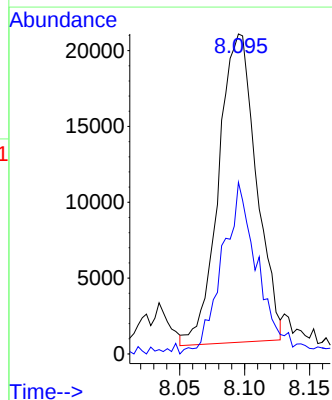
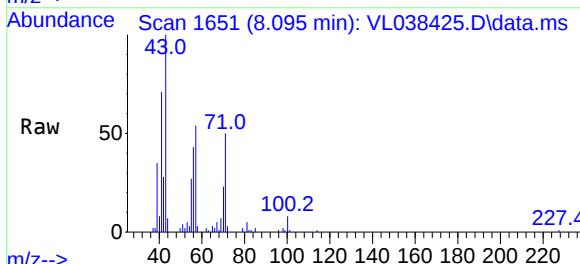
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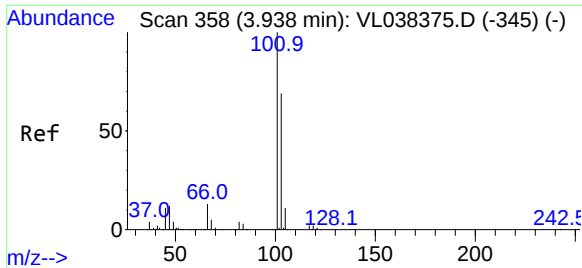
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#10
Heptane
Concen: 0.377 ppbv
RT: 8.095 min Scan# 1651
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

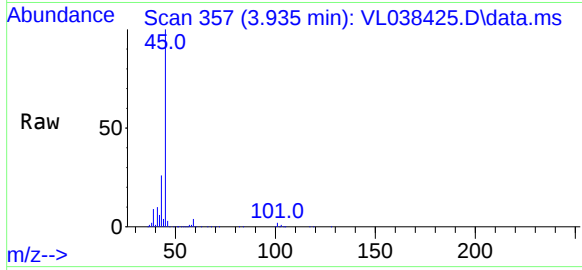
Tgt Ion: 43 Resp: 41060
Ion Ratio Lower Upper
43 100
57 55.7 39.8 59.8





#11
Trichlorofluoromethane
Concen: 0.221 ppbv m
RT: 3.935 min Scan# 3
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

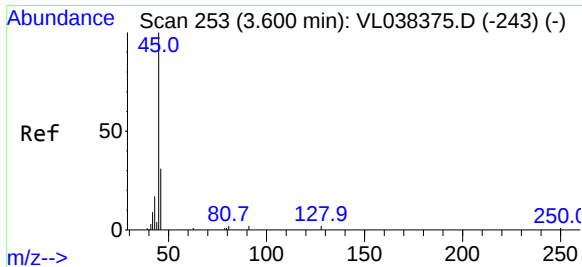
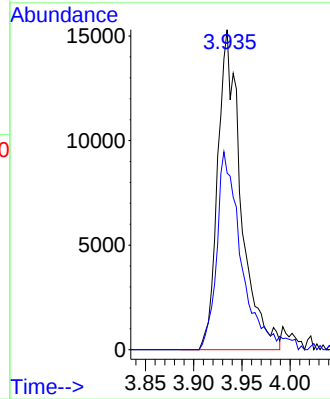
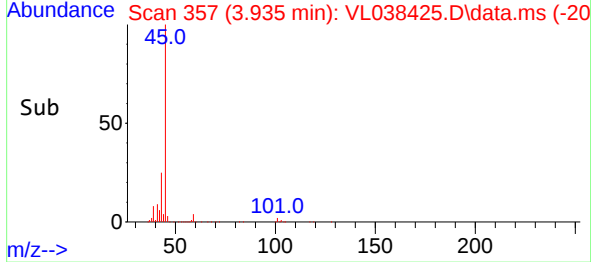
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion:101 Resp: 25690
Ion Ratio Lower Upper
101 100
103 55.2 55.0 82.4

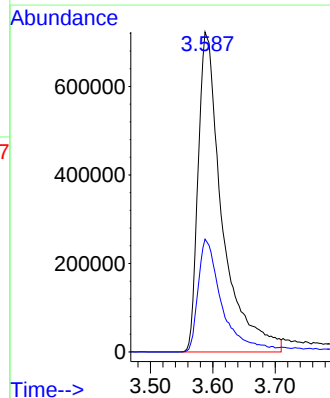
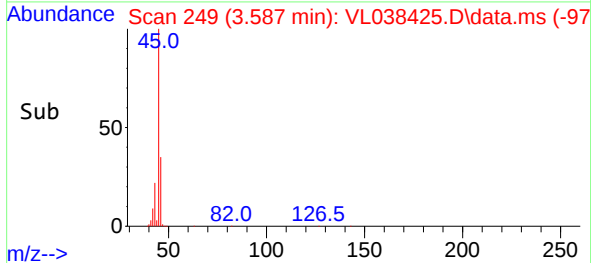
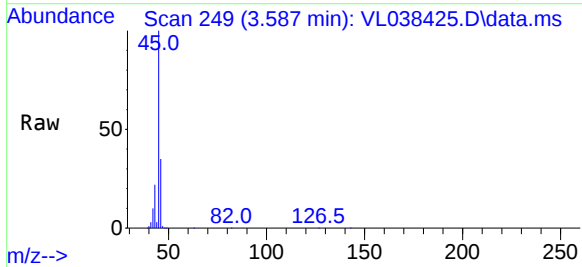
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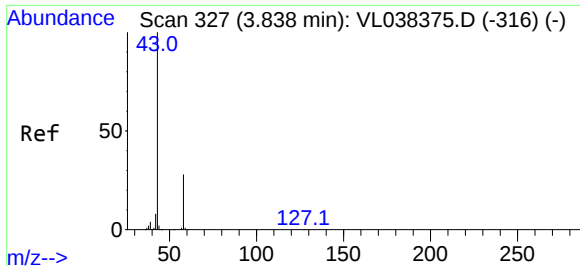
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#13
Ethanol
Concen: 433.763 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.013 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

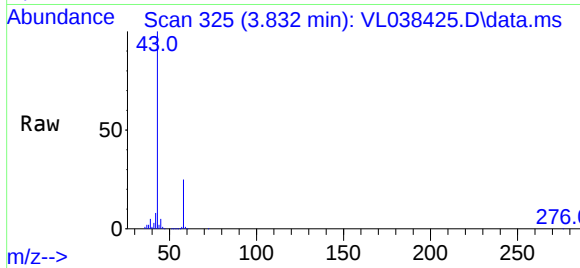
Tgt Ion: 45 Resp: 1938614
Ion Ratio Lower Upper
45 100
46 35.9 18.2 72.8





#15
Acetone
Concen: 8.267 ppbv
RT: 3.832 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

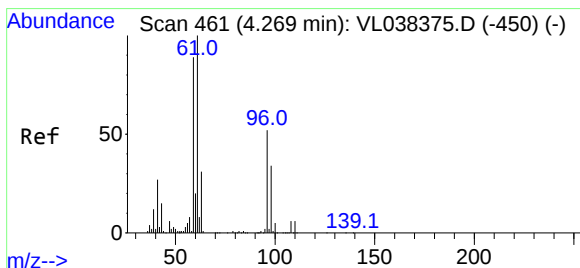
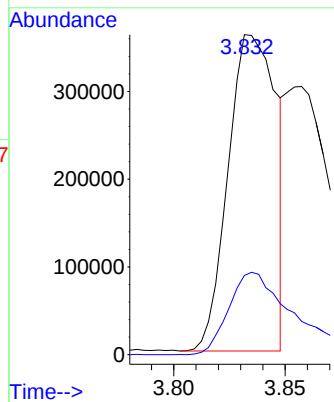
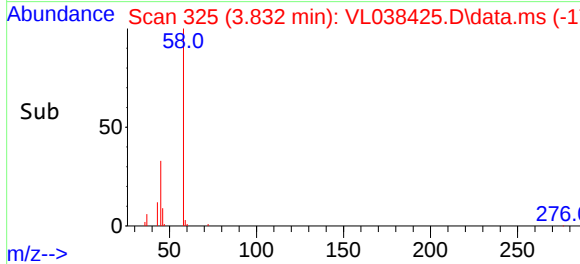
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion: 43 Resp: 539988
Ion Ratio Lower Upper
43 100
58 37.5 21.7 32.5

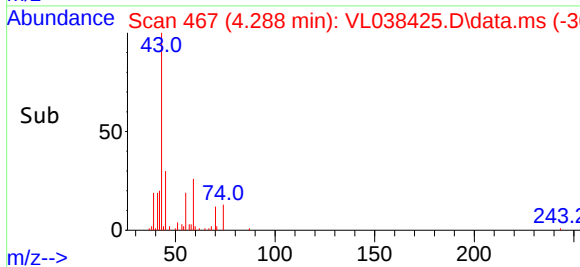
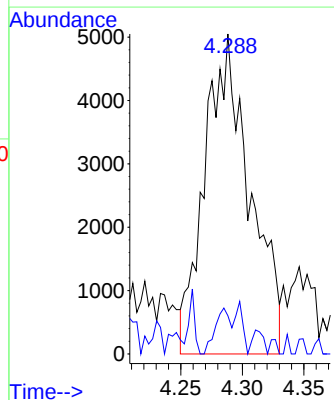
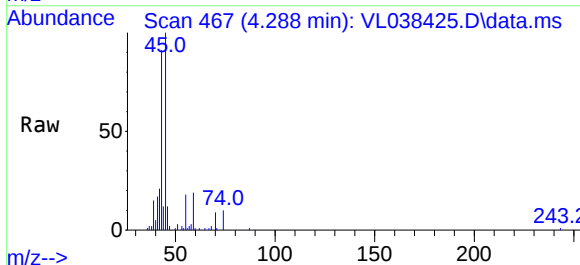
Manual Integrations
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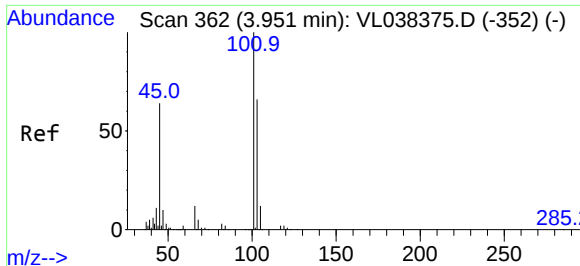
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#17
tert-Butyl alcohol
Concen: 0.197 ppbv m
RT: 4.288 min Scan# 467
Delta R.T. 0.019 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

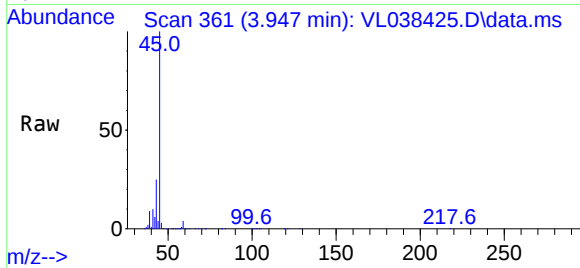
Tgt Ion: 59 Resp: 12835
Ion Ratio Lower Upper
59 100
57 140.3 8.4 12.6





#19
Isopropyl Alcohol
Concen: 116.936 ppbv
RT: 3.947 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

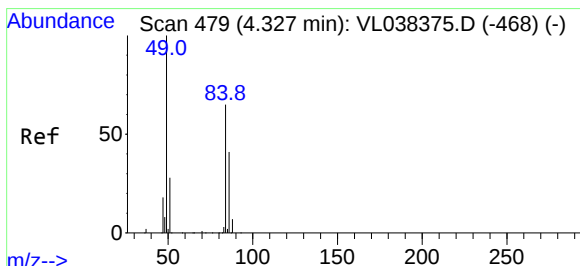
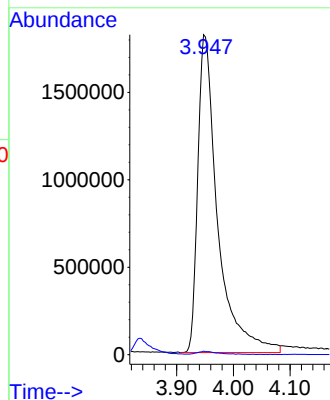
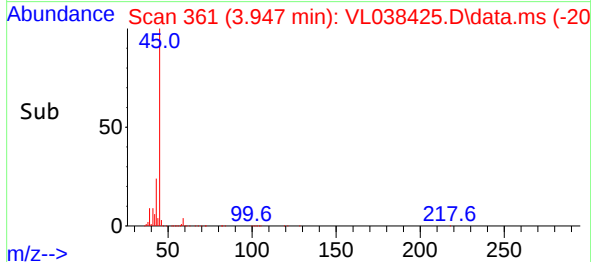
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion: 45 Resp: 442314
Ion Ratio Lower Upper
45 100
58 1.3 1.8 2.8

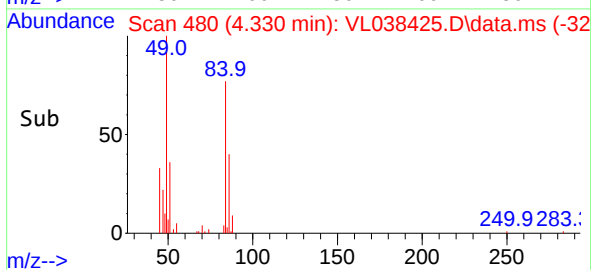
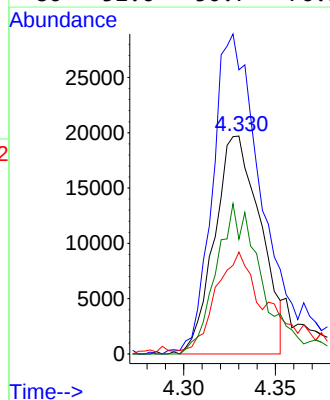
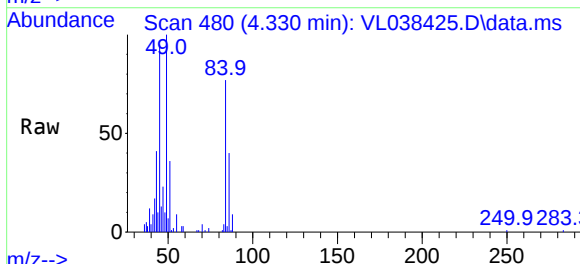
Manual Integrations
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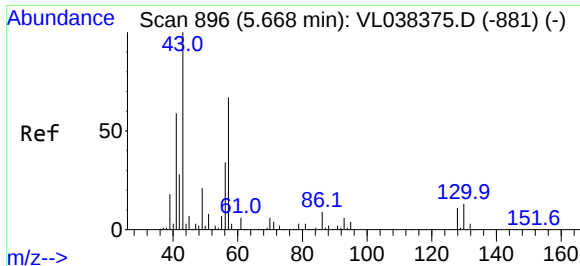
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#20
Methylene Chloride
Concen: 1.058 ppbv
RT: 4.330 min Scan# 480
Delta R.T. 0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

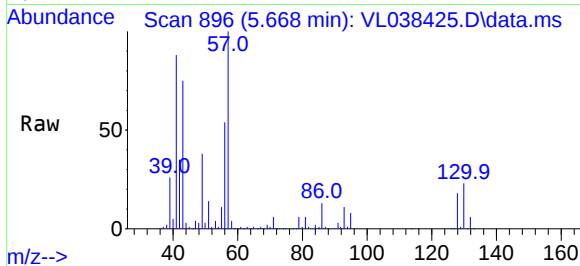
Tgt Ion: 84 Resp: 34247
Ion Ratio Lower Upper
84 100
49 128.7 122.4 183.6
51 45.2 33.3 49.9
86 52.6 50.7 76.1





#26
Hexane
Concen: 7.041 ppbv
RT: 5.668 min Scan# 896
Delta R.T. 0.000 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

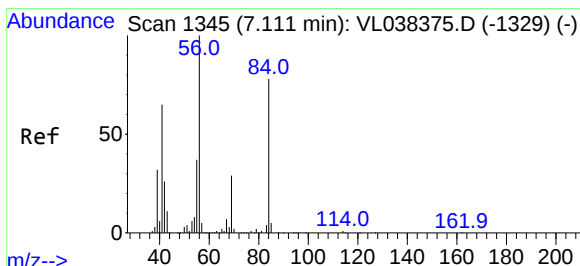
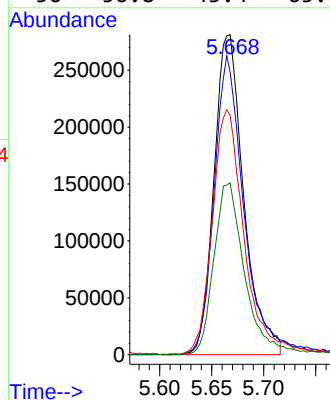
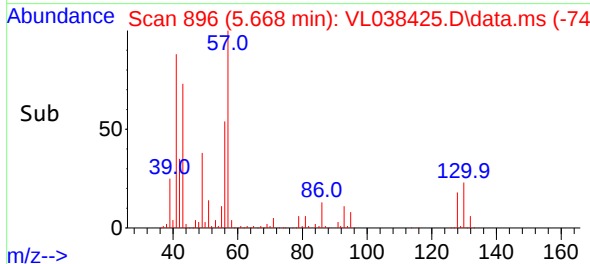
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion: 57 Resp: 559510
Ion Ratio Lower Upper
57 100
41 95.7 73.1 109.7
43 83.8 181.0 271.4
56 56.8 43.4 65.0

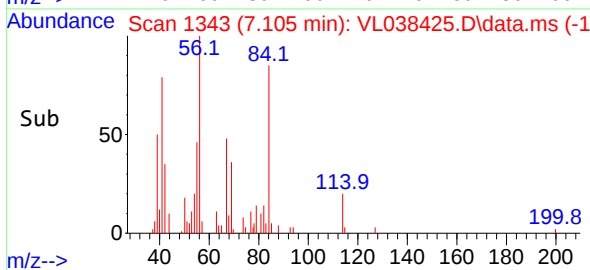
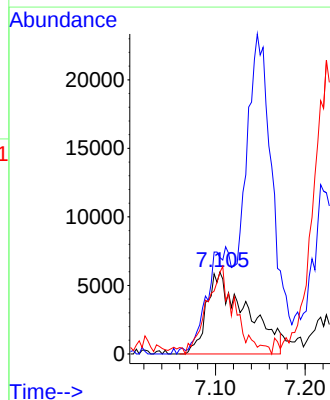
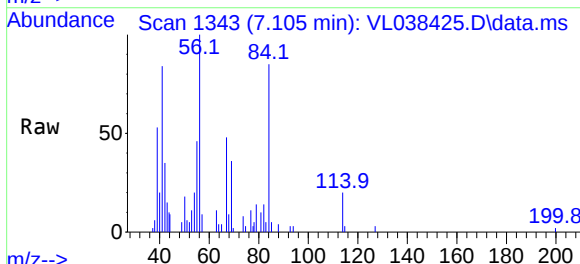
Manual Integrations
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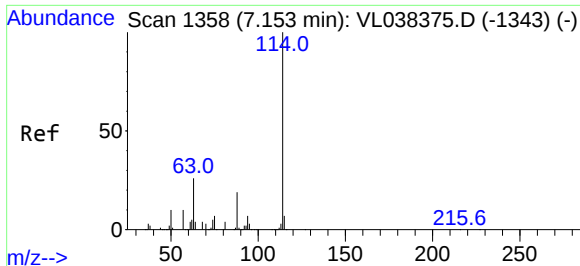
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#30
Cyclohexane
Concen: 0.283 ppbv m
RT: 7.105 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

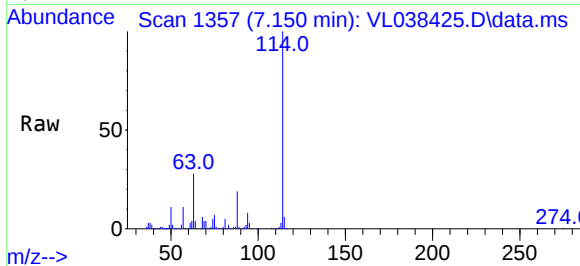
Tgt Ion: 84 Resp: 18413
Ion Ratio Lower Upper
84 100
56 0.0 116.2 174.4#
41 63.6 74.3 111.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.150 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

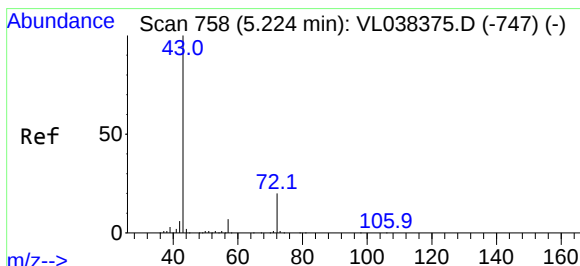
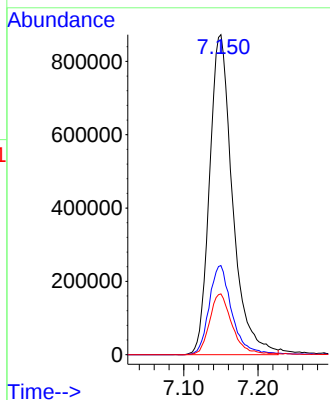
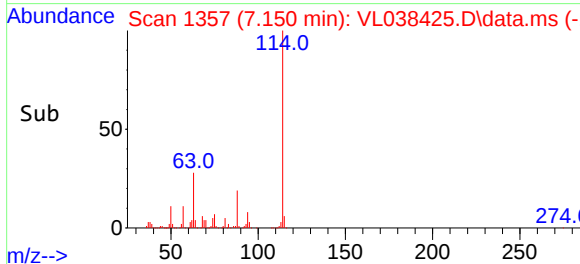
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion:114 Resp: 187556
Ion Ratio Lower Upper
114 100
63 28.1 22.2 33.2
88 19.0 15.2 22.8

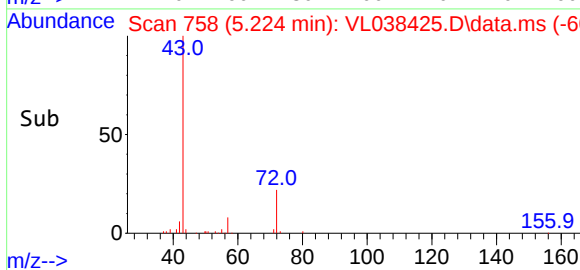
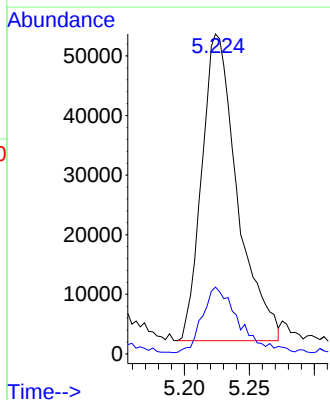
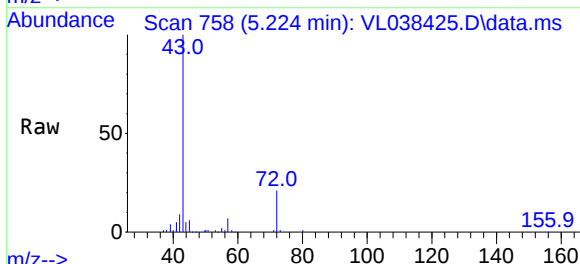
Manual Integrations
APPROVED

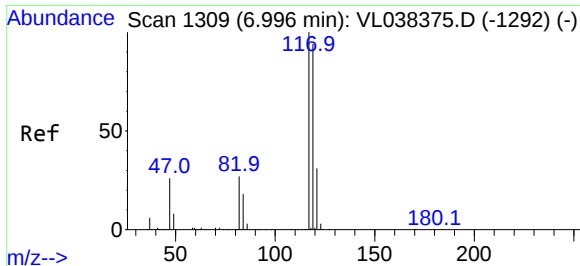
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#34
2-Butanone
Concen: 1.657 ppbv
RT: 5.224 min Scan# 758
Delta R.T. 0.000 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

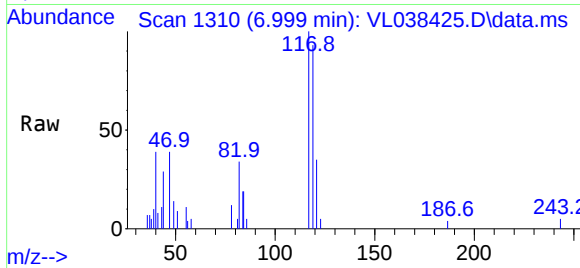
Tgt Ion: 43 Resp: 97742
Ion Ratio Lower Upper
43 100
72 24.3 17.4 26.2





#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 6.999 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

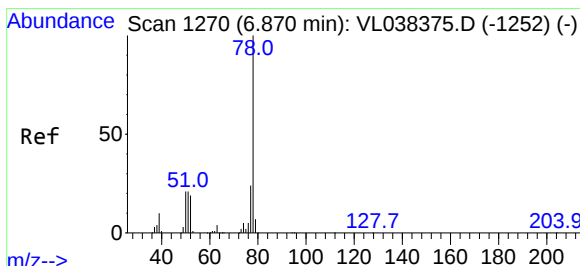
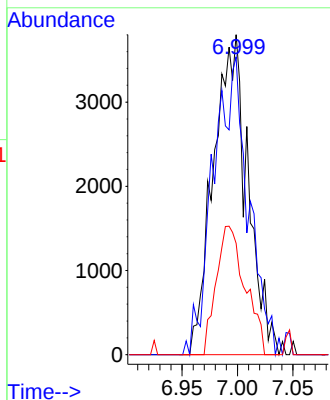
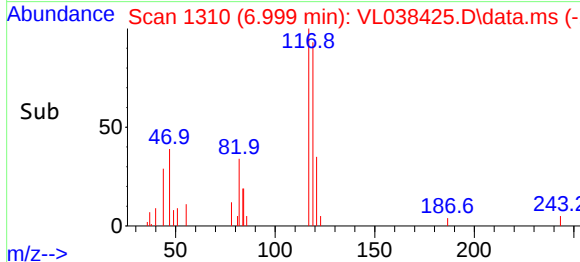
Instrument :
MSVOA_L
ClientSampleId :
IA-5



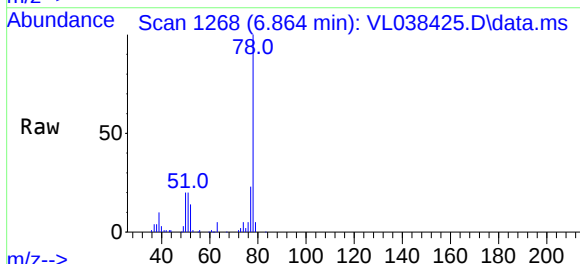
Tgt Ion:117 Resp: 816
Ion Ratio Lower Upper
117 100
119 93.0 74.9 112.3
121 34.8 24.8 37.2

Manual Integrations
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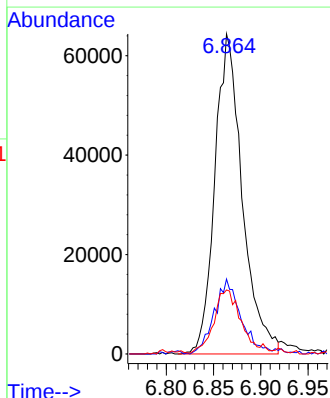
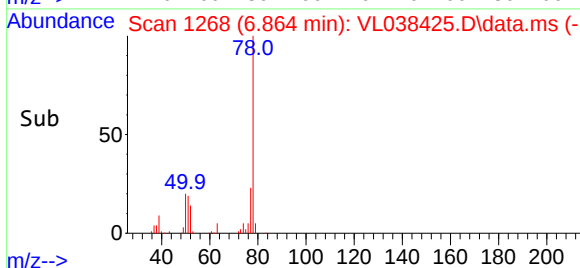
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

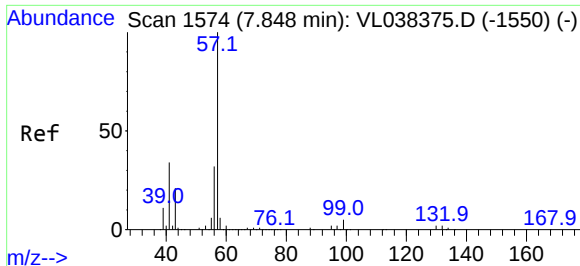


#36
Benzene
Concen: 0.786 ppbv
RT: 6.864 min Scan# 1268
Delta R.T. -0.006 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36



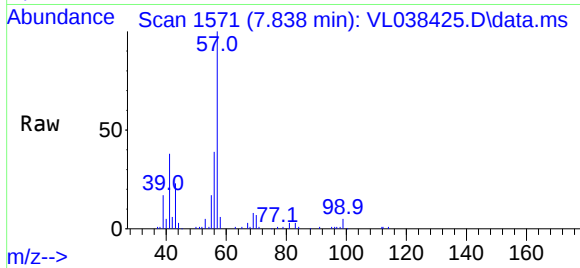
Tgt Ion: 78 Resp: 129718
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.6
50 19.6 16.6 24.8





#44
2,2,4-Trimethylpentane
Concen: 0.350 ppbv
RT: 7.838 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

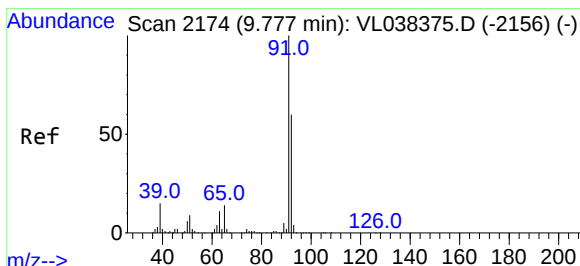
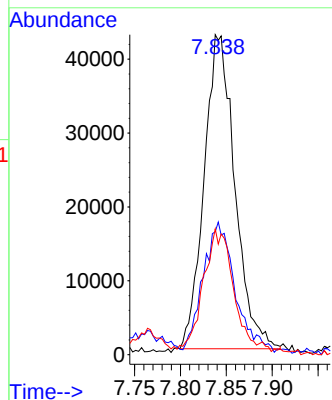
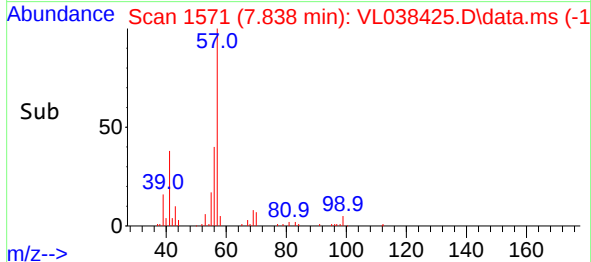
Instrument :
MSVOA_L
ClientSampleId :
IA-5



Tgt Ion: 57 Resp: 9920
Ion Ratio Lower Upper
57 100
41 45.5 26.6 39.8
56 42.0 25.0 37.6

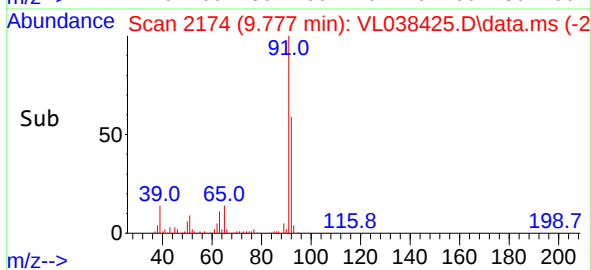
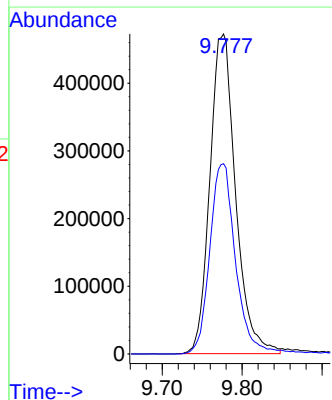
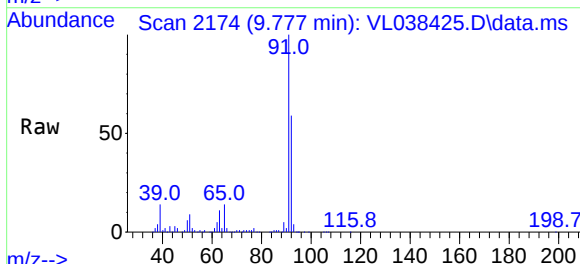
Manual Integrations
APPROVED

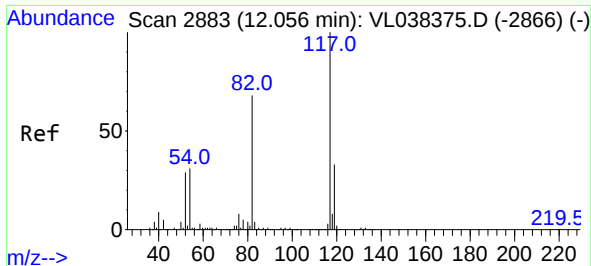
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022



#53
Toluene
Concen: 5.898 ppbv
RT: 9.777 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

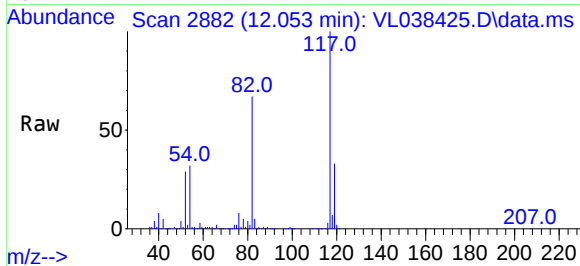
Tgt Ion: 91 Resp: 1057317
Ion Ratio Lower Upper
91 100
92 60.7 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 2882
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

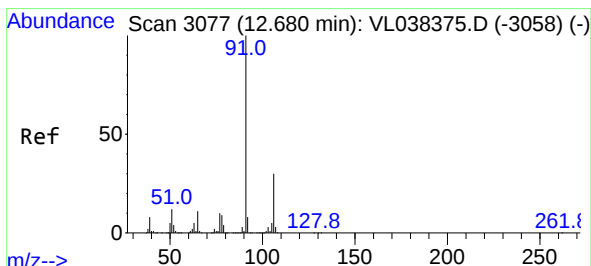
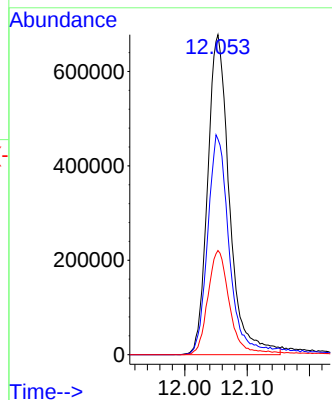
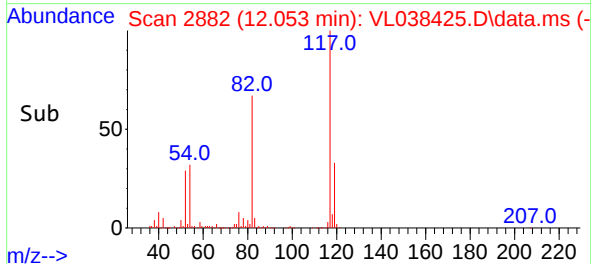
Instrument :
MSVOA_L
ClientSampleId :
IA-5



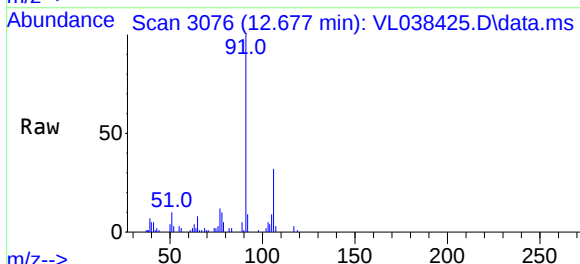
Tgt Ion: 117 Resp: 164959
Ion Ratio Lower Upper
117 100
82 71.7 54.9 82.3
119 33.6 46.1 69.1

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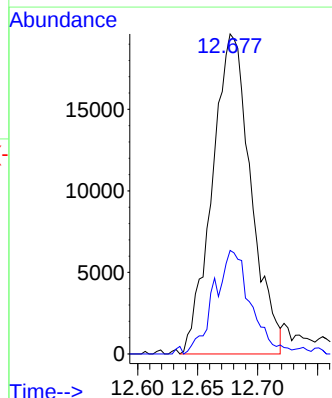
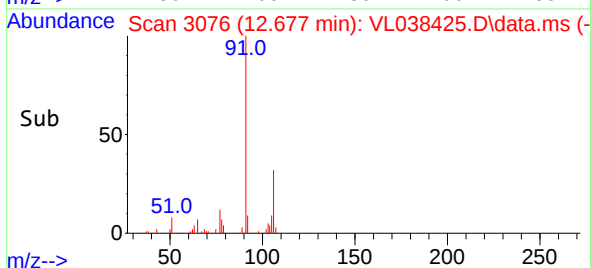
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

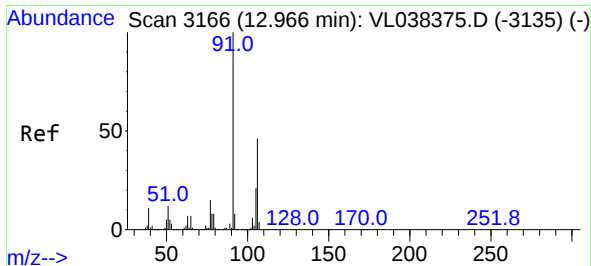


#58
Ethyl Benzene
Concen: 0.195 ppbv
RT: 12.677 min Scan# 3076
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36



Tgt Ion: 91 Resp: 44003
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0





#59

m/p-Xylene

Concen: 0.659 ppbv m

RT: 12.937 min Scan# 3166

Delta R.T. -0.029 min

Lab File: VL038425.D

Acq: 24 Feb 2022 2:36

Instrument :

MSVOA_L

ClientSampleId :

IA-5

Tgt Ion: 91 Resp: 12767

Ion Ratio Lower Upper

91 100

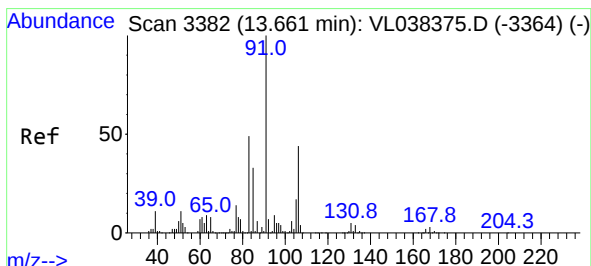
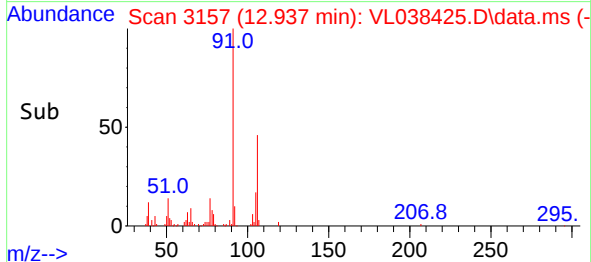
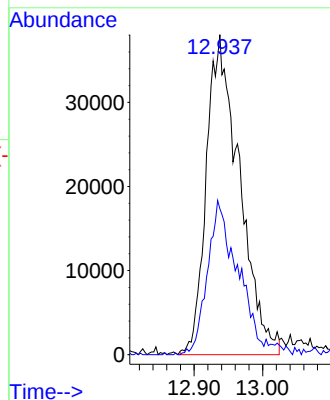
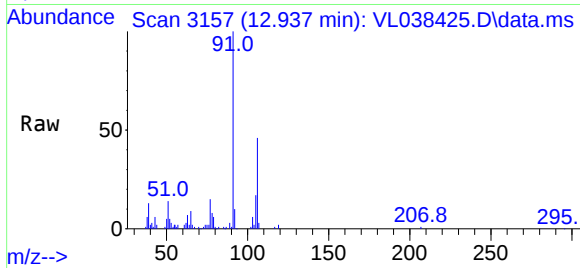
106 0.0 34.4 51.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/25/2022



#60

o-Xylene

Concen: 0.267 ppbv

RT: 13.658 min Scan# 3381

Delta R.T. -0.003 min

Lab File: VL038425.D

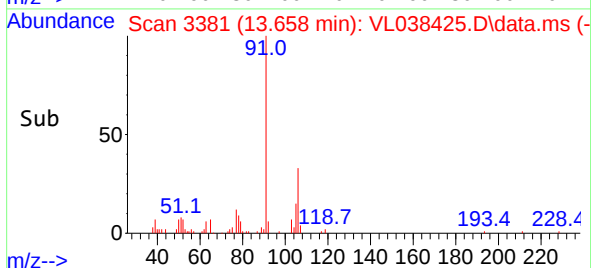
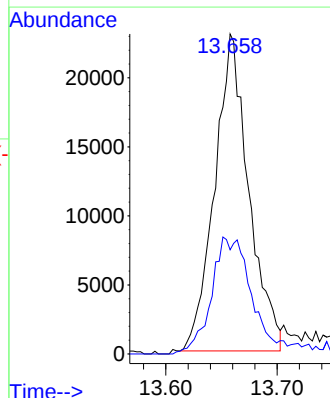
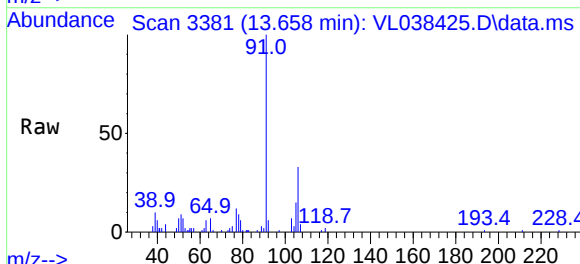
Acq: 24 Feb 2022 2:36

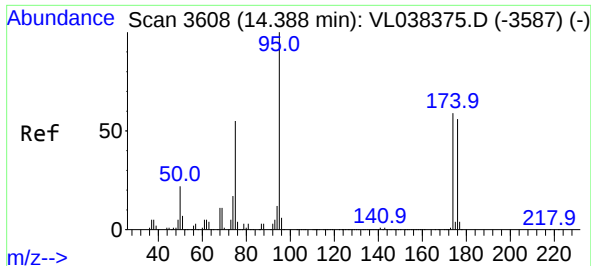
Tgt Ion: 91 Resp: 48896

Ion Ratio Lower Upper

91 100

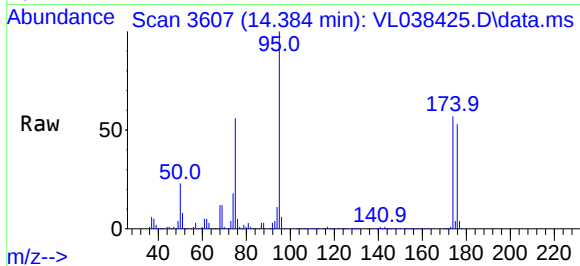
106 44.9 21.9 65.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 14.384 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36

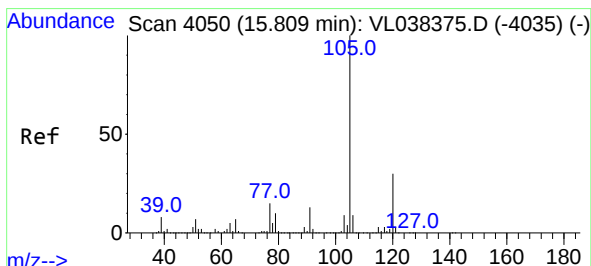
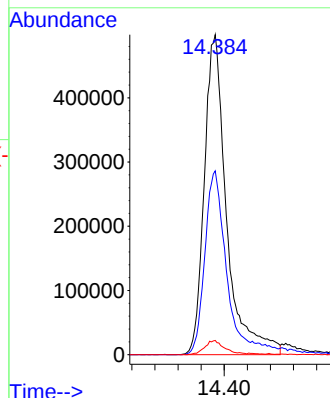
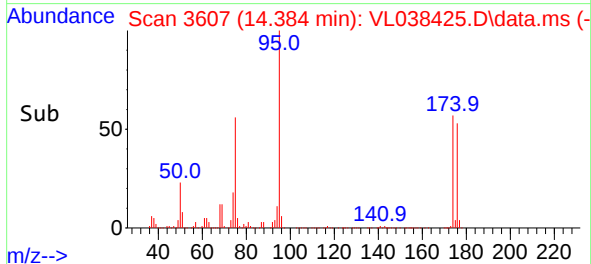
Instrument :
MSVOA_L
ClientSampleId :
IA-5



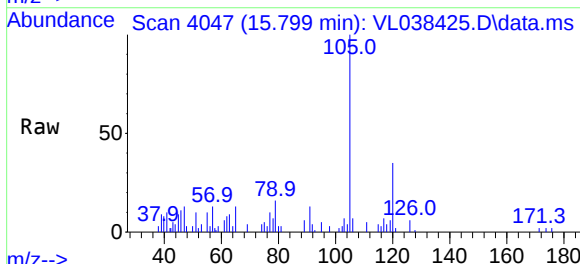
Tgt Ion: 95 Resp: 1336772
Ion Ratio Lower Upper
95 100
174 58.6 49.0 73.4
175 4.4 3.6 5.4

Manual Integrations
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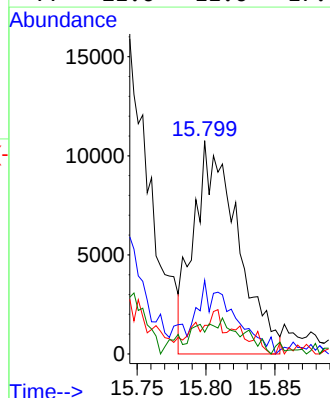
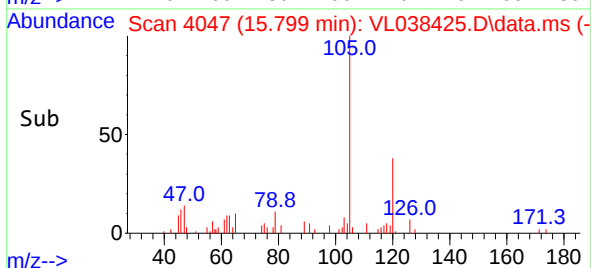
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/25/2022

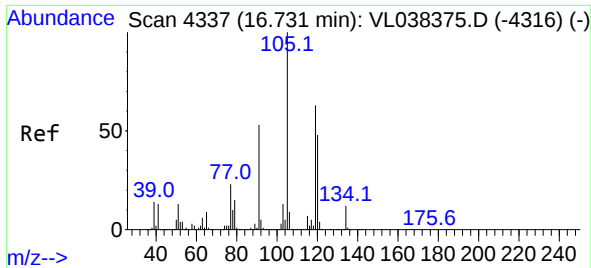


#72
4-Ethyltoluene
Concen: 0.118 ppbv m
RT: 15.799 min Scan# 4047
Delta R.T. -0.010 min
Lab File: VL038425.D
Acq: 24 Feb 2022 2:36



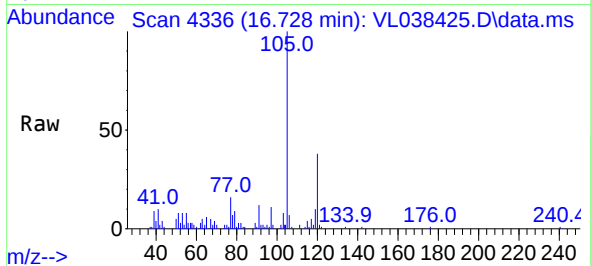
Tgt Ion:105 Resp: 23854
Ion Ratio Lower Upper
105 100
120 0.0 23.4 35.2#
91 21.5 10.4 15.6#
77 21.6 11.6 17.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.375 ppbv m
 RT: 16.728 min Scan# 4336
 Delta R.T. -0.003 min
 Lab File: VL038425.D
 Acq: 24 Feb 2022 2:36

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5



Tgt Ion:	105	Resp:	72514
Ion	Ratio	Lower	Upper
105	100		
120	38.3	38.2	57.4
91	11.8	42.7	64.1
77	16.1	18.5	27.7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/25/2022

