

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL039010.D
 Acq On : 10 May 2022 6:19
 Operator : SY/AP
 Sample : N2696-05DL 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 08:10:59 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu 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	5.645	49	1032156	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2936562	10.000	ppbv	-0.03
55) Chlorobenzene-d5	12.047	117	2561650	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.378	95	1899480	9.363	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.041	85	17640	0.109	ppbv	97
4) Chloromethane	3.124	50	8672m	0.135	ppbv	
9) Propene	3.002	41	65318	1.168	ppbv	94
10) Heptane	8.089	43	67053	0.489	ppbv	98
13) Ethanol	3.581	45	134849	34.068	ppbv	98
15) Acetone	3.857	43	487681	5.009	ppbv #	74
19) Isopropyl Alcohol	3.954	45	31731m	0.685	ppbv	
20) Methylene Chloride	4.324	84	52075	1.419	ppbv	97
26) Hexane	5.664	57	208111	2.010	ppbv #	40
30) Cyclohexane	7.098	84	37412m	0.432	ppbv	
32) 1,1,1-Trichloroethane	6.487	97	8102m	0.048	ppbv	
34) 2-Butanone	5.230	43	17787	0.119	ppbv #	77
36) Benzene	6.860	78	180710	0.719	ppbv	96
44) 2,2,4-Trimethylpentane	7.841	57	280140	0.635	ppbv #	93
52) Tetrachloroethene	11.188	164	36821m	0.410	ppbv	
53) Toluene	9.770	91	539586	1.916	ppbv	99
58) Ethyl Benzene	12.677	91	114158	0.310	ppbv	89
59) m/p-Xylene	12.928	91	329568	1.047	ppbv	92
60) o-Xylene	13.651	91	129436	0.437	ppbv	93
72) 4-Ethyltoluene	15.805	105	56791m	0.168	ppbv	
73) 1,3,5-Trimethylbenzene	15.963	105	45679m	0.150	ppbv	
74) 1,2,4-Trimethylbenzene	16.725	105	150338	0.452	ppbv #	66
79) Naphthalene	22.152	128	42973m	0.159	ppbv	

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

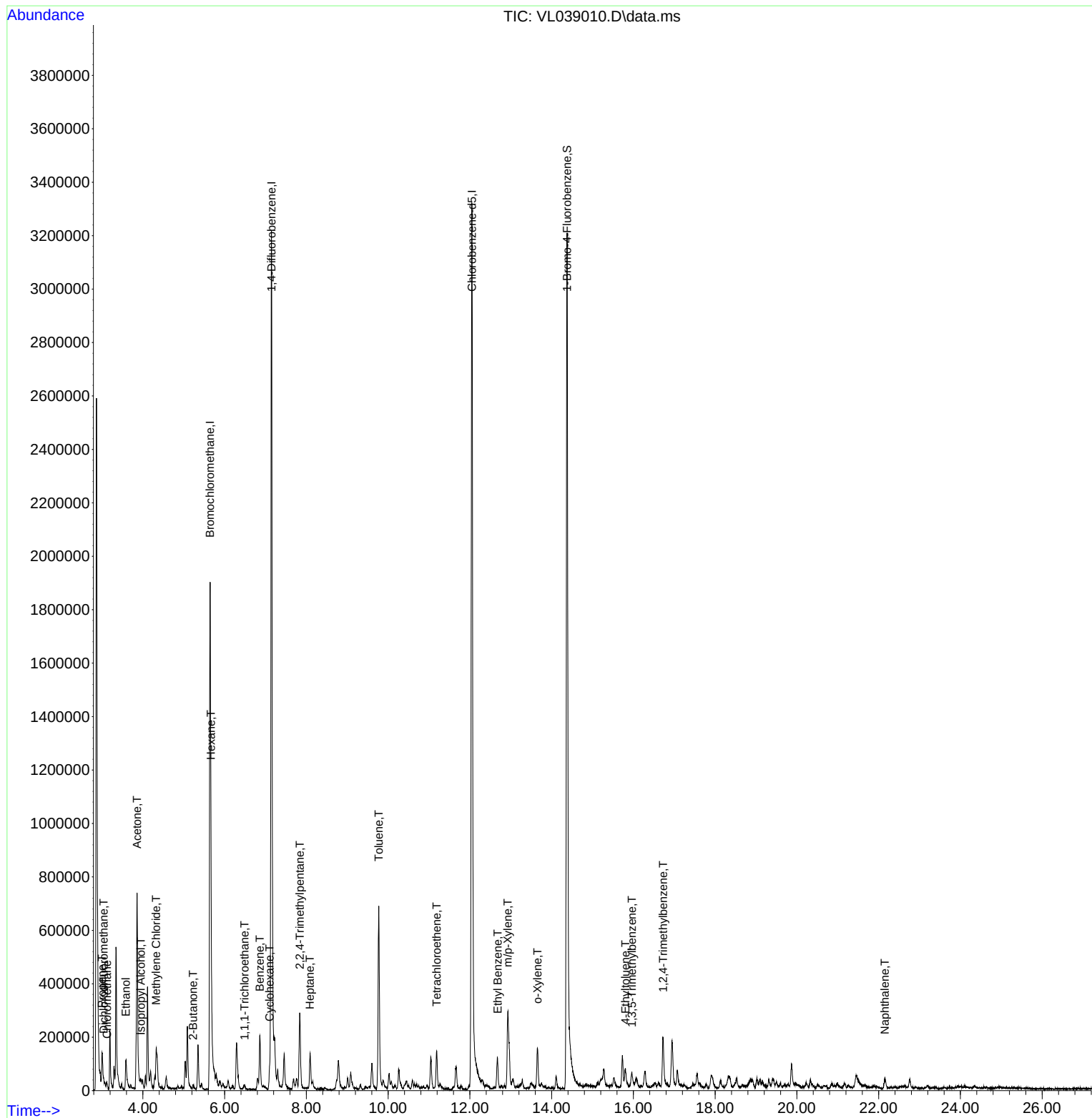
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
Data File : VL039010.D
Acq On : 10 May 2022 6:19
Operator : SY/AP
Sample : N2696-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

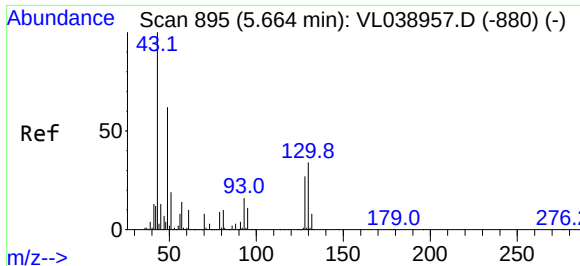
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

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Supervised By : Mahesh Dadoda 05/11/2022

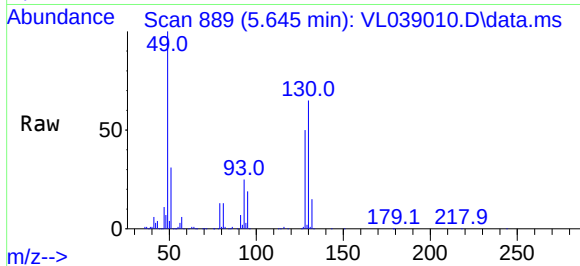
Quant Time: May 10 08:10:59 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 81
Delta R.T. -0.019 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

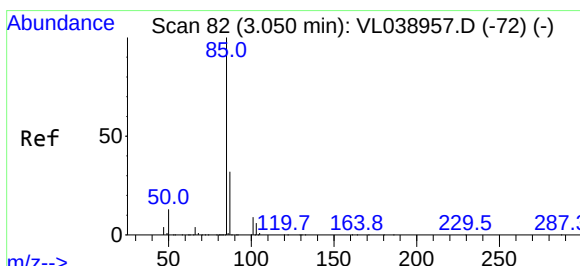
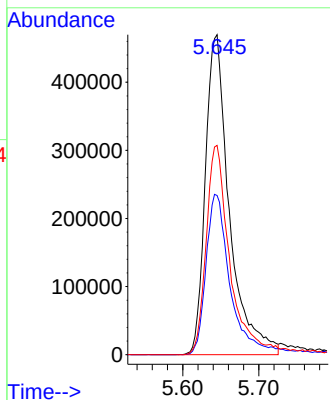
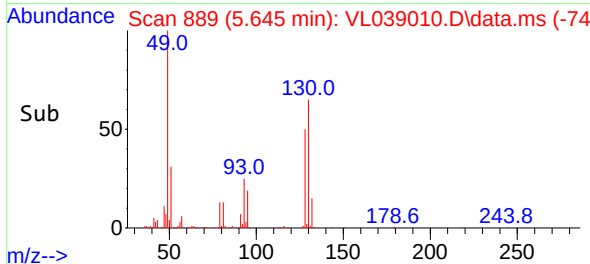
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 103215
Ion Ratio Lower Upper
49 100
128 52.9 23.3 69.8
130 68.0 29.8 89.3

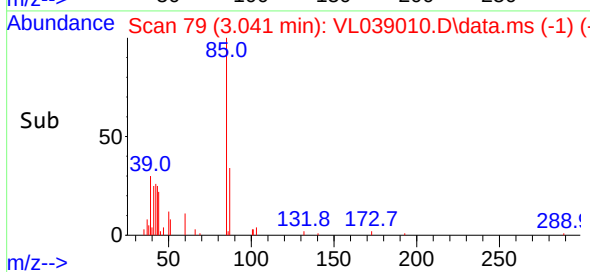
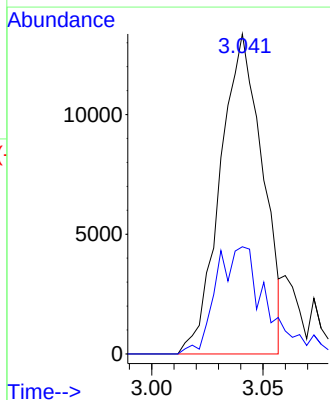
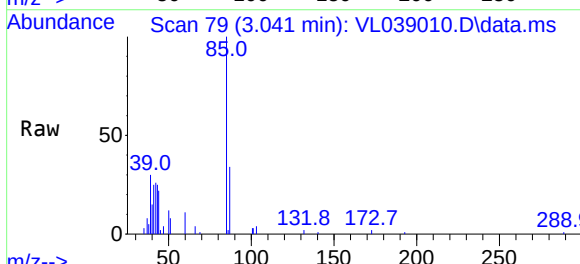
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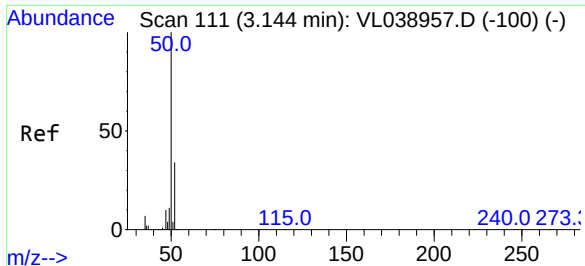
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#2
Dichlorodifluoromethane
Concen: 0.109 ppbv
RT: 3.041 min Scan# 79
Delta R.T. -0.010 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

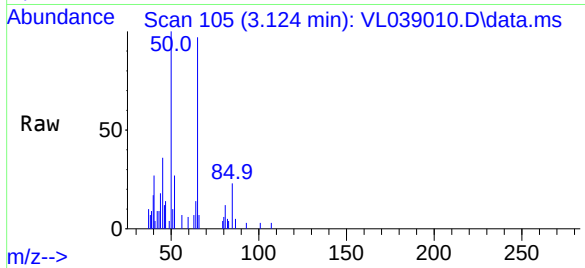
Tgt Ion: 85 Resp: 17640
Ion Ratio Lower Upper
85 100
87 33.5 25.7 38.5





#4
Chloromethane
Concen: 0.135 ppbv m
RT: 3.124 min Scan# 105
Delta R.T. -0.019 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

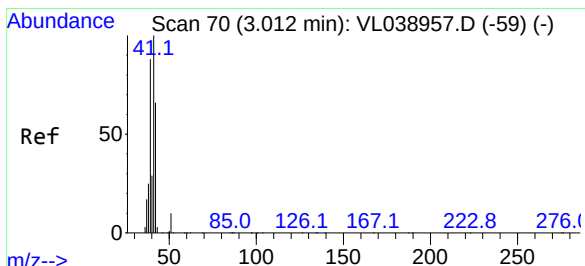
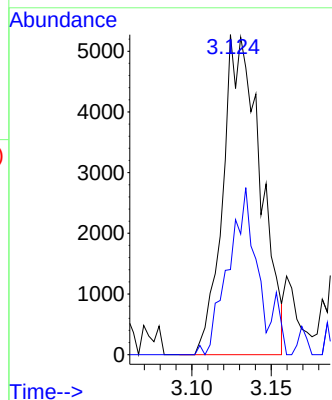
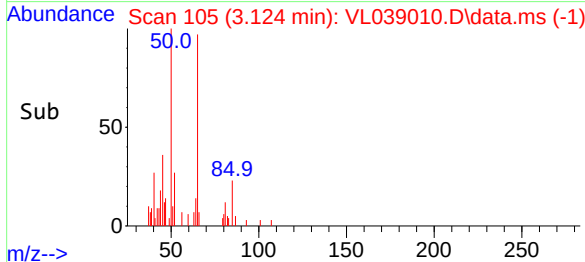
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



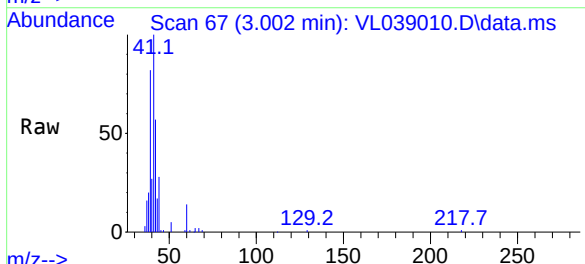
Tgt Ion: 50 Resp: 8672
Ion Ratio Lower Upper
50 100
52 26.6 27.3 40.9

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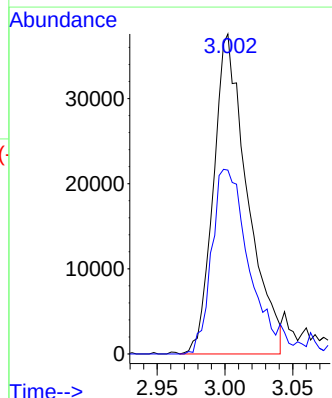
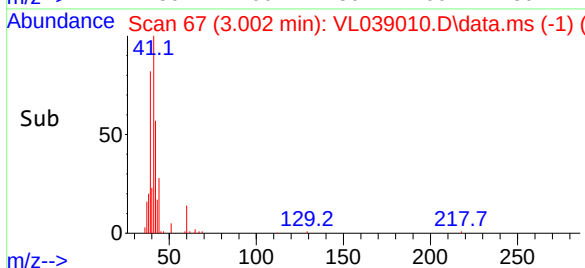
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

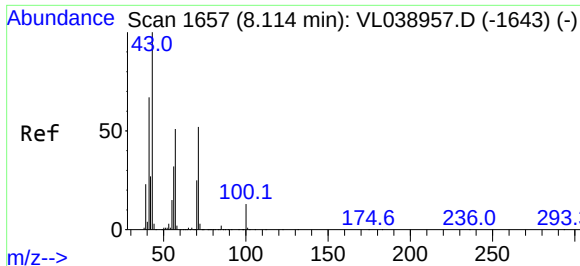


#9
Propene
Concen: 1.168 ppbv
RT: 3.002 min Scan# 67
Delta R.T. -0.010 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



Tgt Ion: 41 Resp: 65318
Ion Ratio Lower Upper
41 100
42 67.8 58.3 87.5





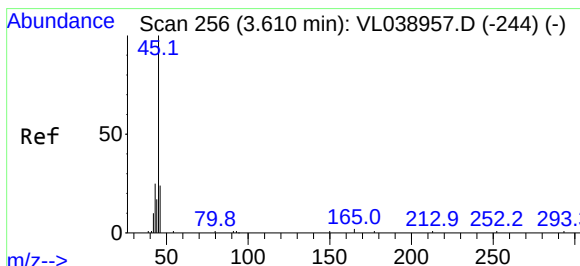
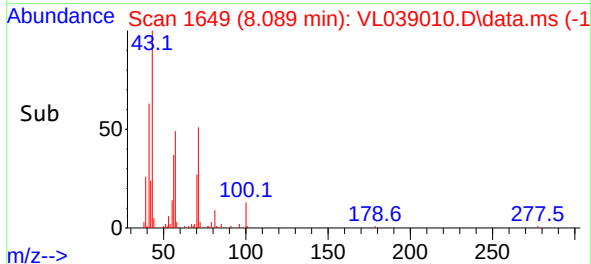
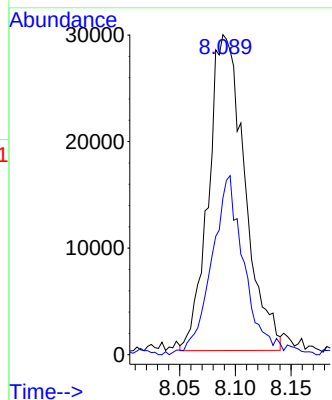
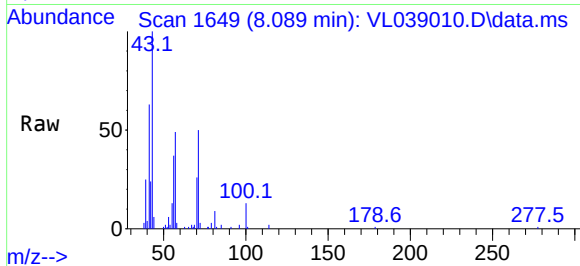
#10
Heptane
Concen: 0.489 ppbv
RT: 8.089 min Scan# 10
Delta R.T. -0.026 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 43 Resp: 6705
Ion Ratio Lower Upper
43 100
57 51.7 40.5 60.7

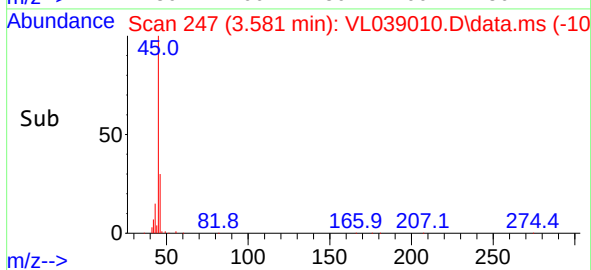
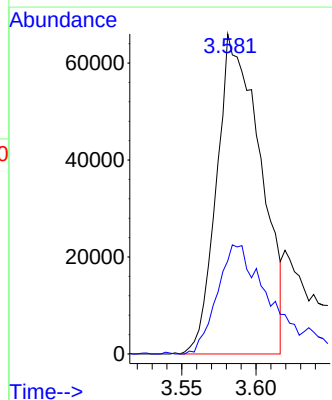
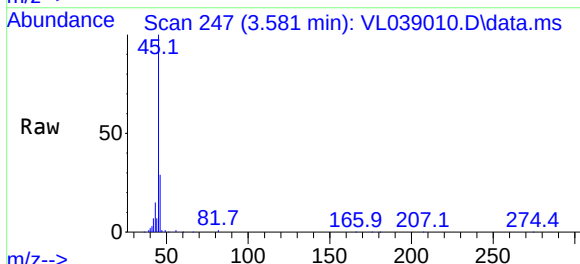
Manual Integrations
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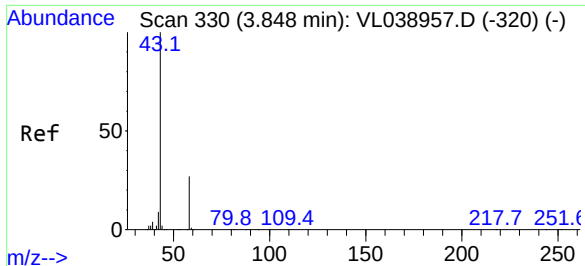
Reviewed By :Semsettin Yesilyurt 05/10/2022
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#13
Ethanol
Concen: 34.068 ppbv
RT: 3.581 min Scan# 247
Delta R.T. -0.029 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

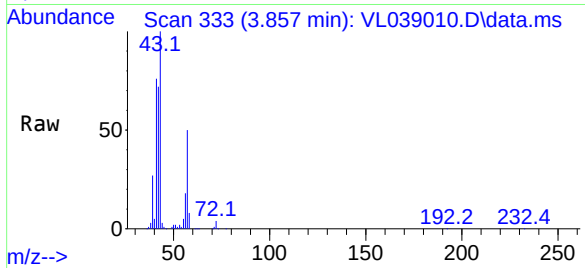
Tgt Ion: 45 Resp: 134849
Ion Ratio Lower Upper
45 100
46 46.4 18.0 72.2





#15
Acetone
Concen: 5.009 ppbv
RT: 3.857 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

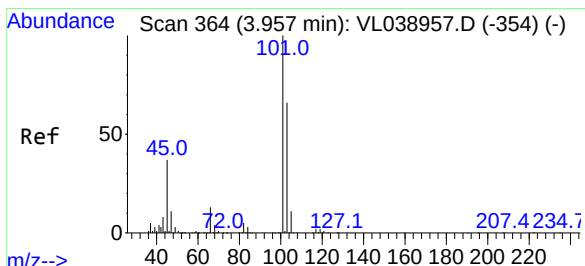
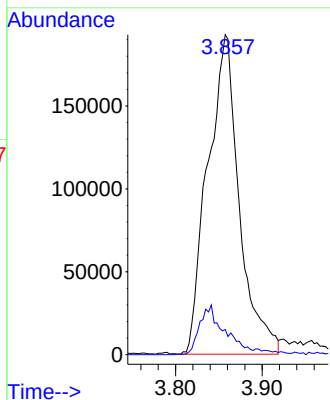
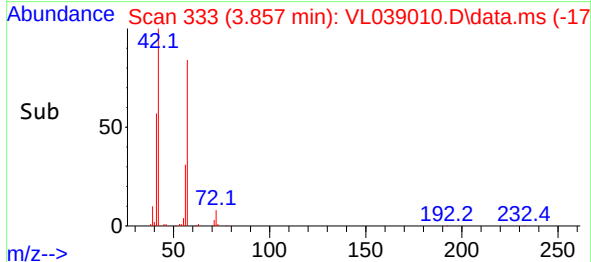
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



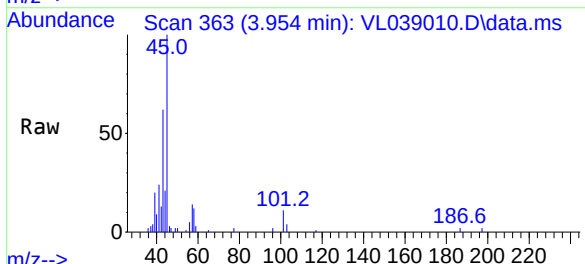
Tgt Ion: 43 Resp: 48768
Ion Ratio Lower Upper
43 100
58 13.4 21.3 31.9

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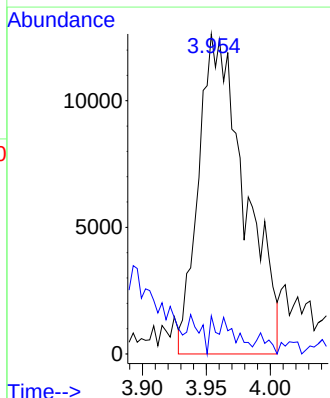
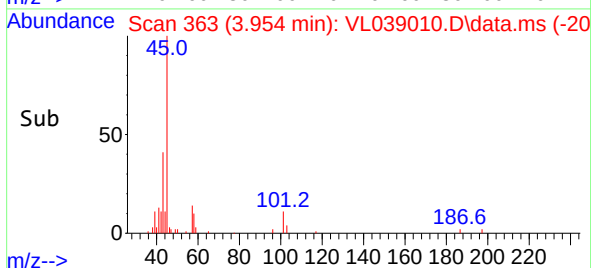
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

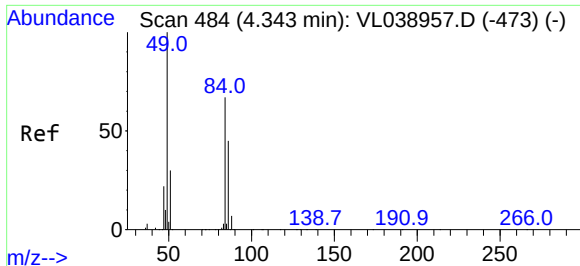


#19
Isopropyl Alcohol
Concen: 0.685 ppbv m
RT: 3.954 min Scan# 363
Delta R.T. -0.003 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



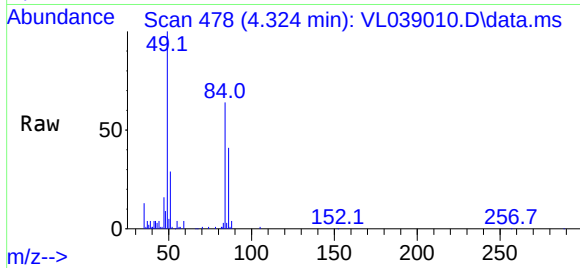
Tgt Ion: 45 Resp: 31731
Ion Ratio Lower Upper
45 100
58 10.9 1.4 2.2





#20
Methylene Chloride
Concen: 1.419 ppbv
RT: 4.324 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

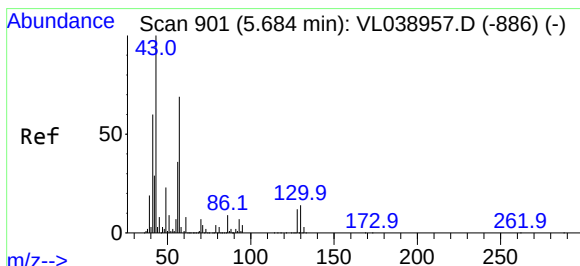
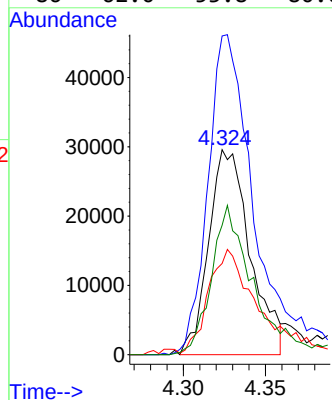
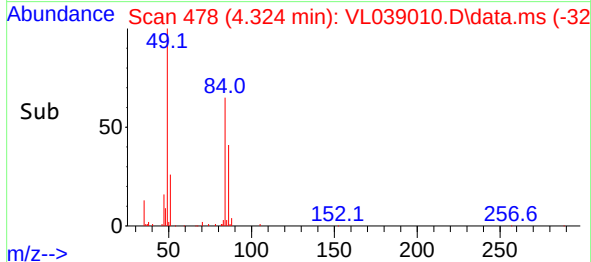


Tgt Ion: 84 Resp: 52075

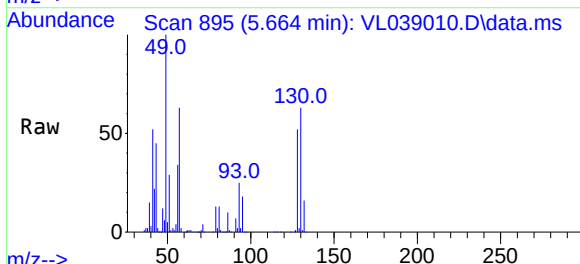
Ion	Ratio	Lower	Upper
84	100		
49	153.0	119.9	179.9
51	43.7	35.7	53.5
86	62.0	53.8	80.6

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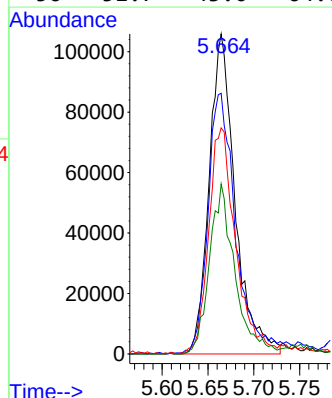
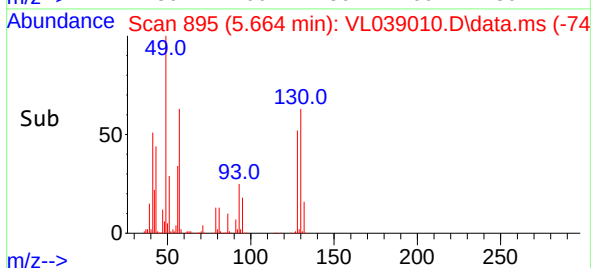


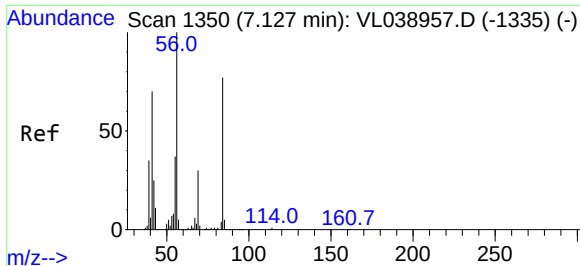
#26
Hexane
Concen: 2.010 ppbv
RT: 5.664 min Scan# 895
Delta R.T. -0.019 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



Tgt Ion: 57 Resp: 208111

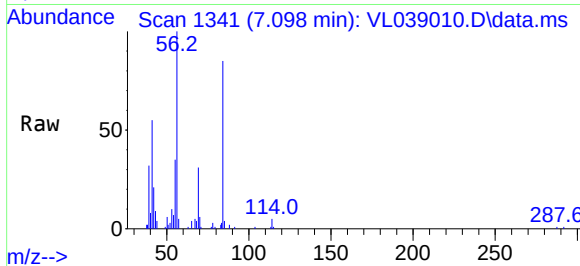
Ion	Ratio	Lower	Upper
57	100		
41	91.2	75.2	112.8
43	76.9	190.8	286.2#
56	51.7	43.0	64.6





#30
Cyclohexane
Concen: 0.432 ppbv m
RT: 7.098 min Scan# 1151
Delta R.T. -0.029 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

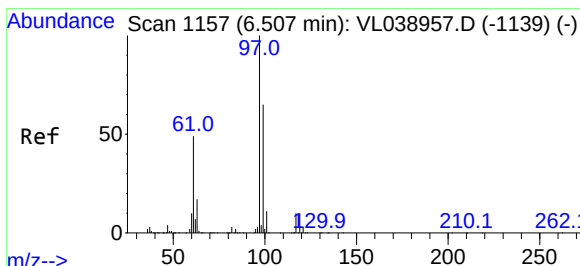
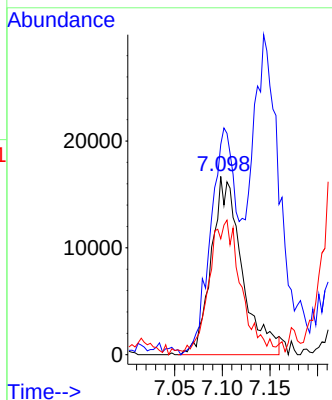
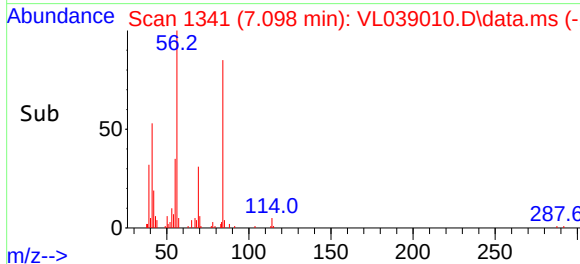
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 84 Resp: 37412
Ion Ratio Lower Upper
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56 113.8 115.3 172.9#
41 76.2 72.0 108.0

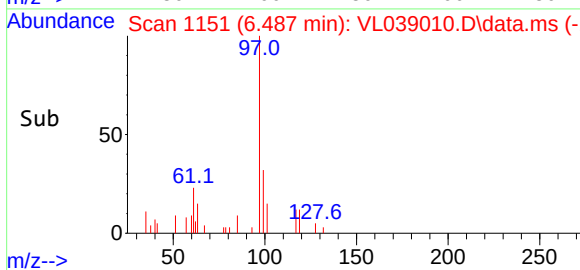
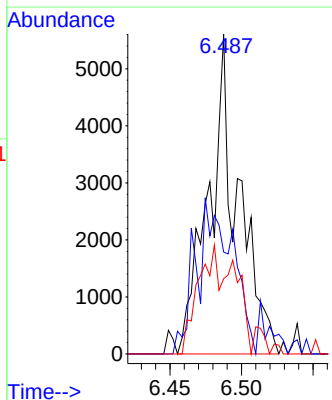
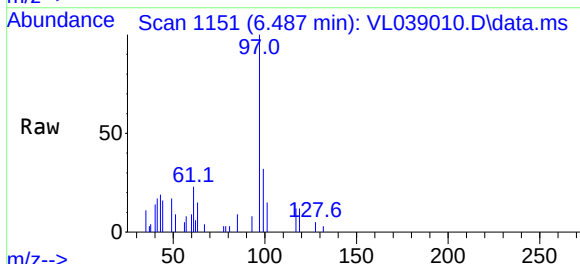
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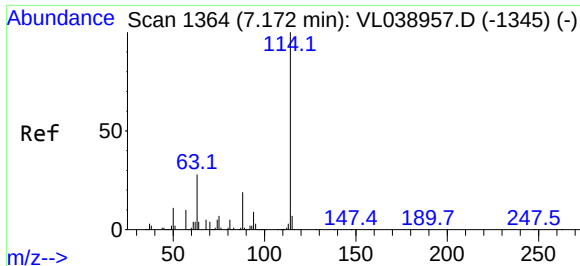
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#32
1,1,1-Trichloroethane
Concen: 0.048 ppbv m
RT: 6.487 min Scan# 1151
Delta R.T. -0.019 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

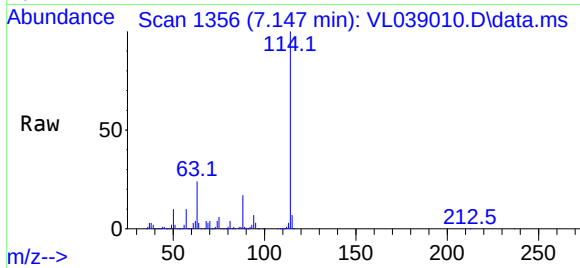
Tgt Ion: 97 Resp: 8102
Ion Ratio Lower Upper
97 100
99 0.0 51.9 77.9#
61 0.0 40.9 61.3#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 114
Delta R.T. -0.026 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

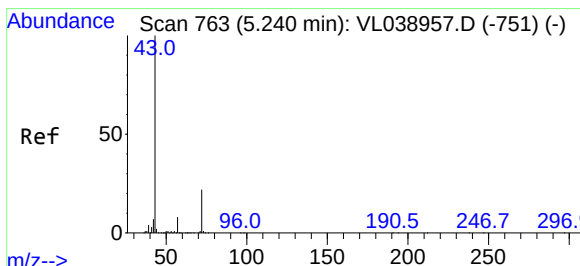
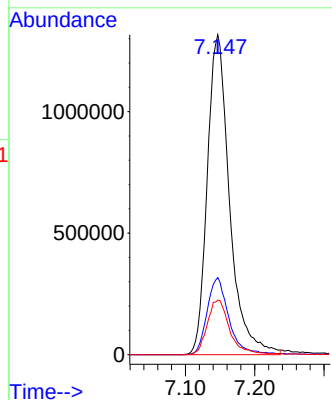
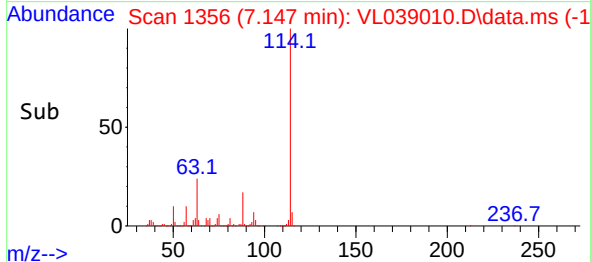
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IA1DL



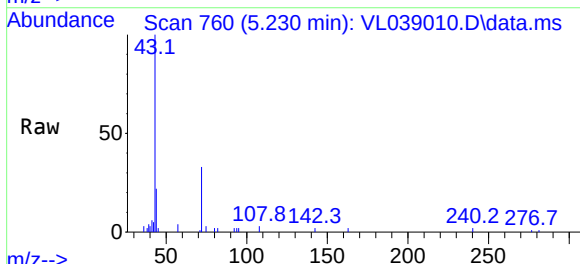
Tgt Ion:114 Resp: 293656
Ion Ratio Lower Upper
114 100
63 24.1 22.6 33.8
88 17.4 15.4 23.0

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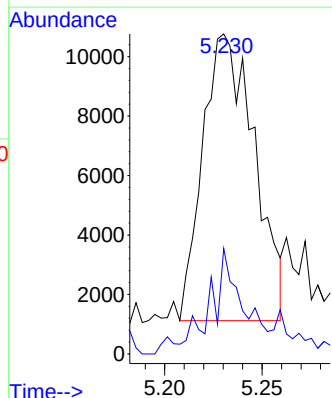
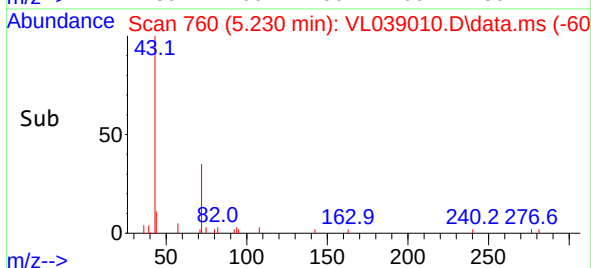
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Supervised By :Mahesh Dadoda 05/11/2022

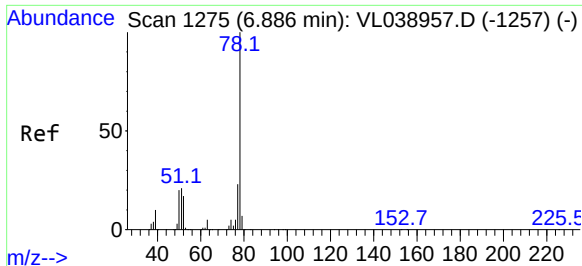


#34
2-Butanone
Concen: 0.119 ppbv
RT: 5.230 min Scan# 760
Delta R.T. -0.010 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



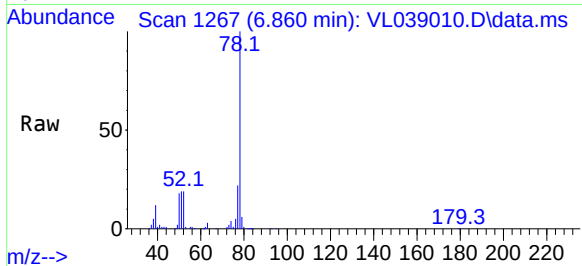
Tgt Ion: 43 Resp: 17787
Ion Ratio Lower Upper
43 100
72 33.1 17.8 26.6





#36
Benzene
Concen: 0.719 ppbv
RT: 6.860 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

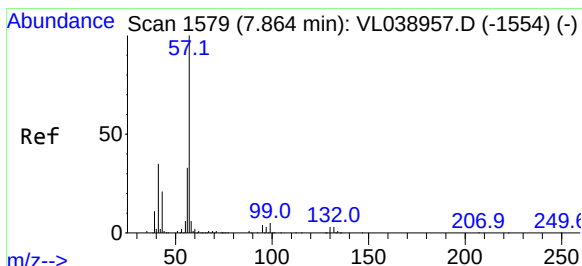
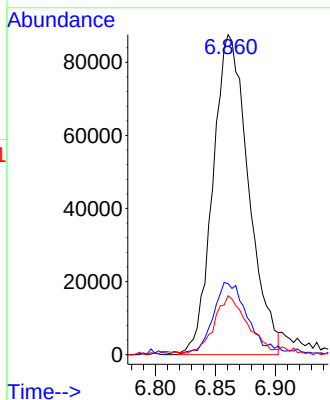
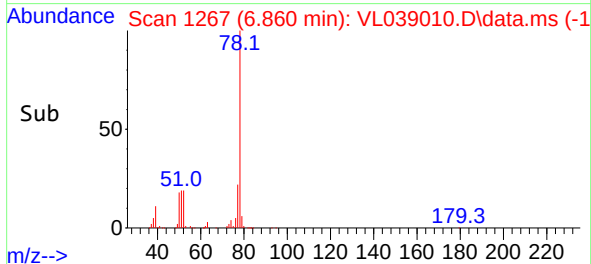
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



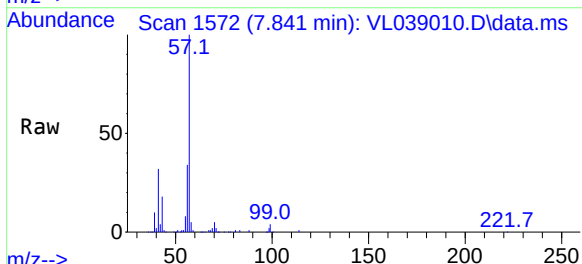
Tgt Ion: 78 Resp: 180710
Ion Ratio Lower Upper
78 100
77 21.4 18.6 28.0
50 17.7 15.6 23.4

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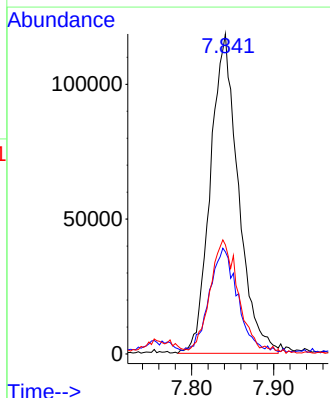
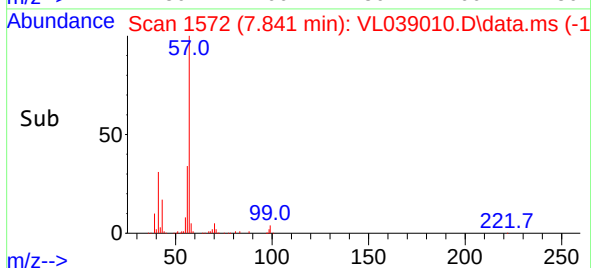
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

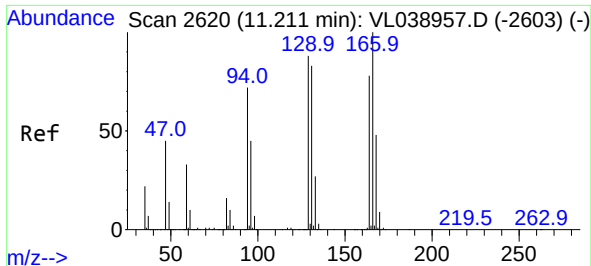


#44
2,2,4-Trimethylpentane
Concen: 0.635 ppbv
RT: 7.841 min Scan# 1572
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



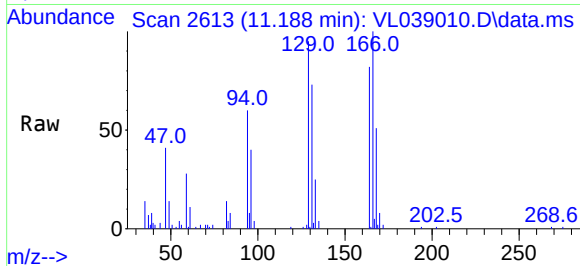
Tgt Ion: 57 Resp: 280140
Ion Ratio Lower Upper
57 100
41 33.5 26.3 39.5
56 38.2 24.6 37.0#





#52
Tetrachloroethene
Concen: 0.410 ppbv m
RT: 11.188 min Scan# 2172
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

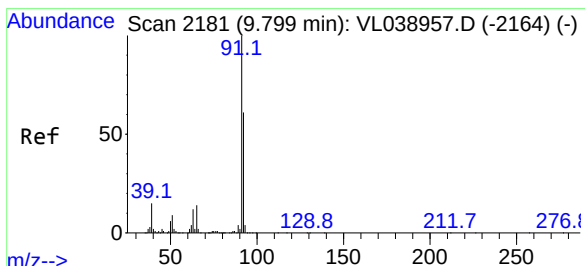
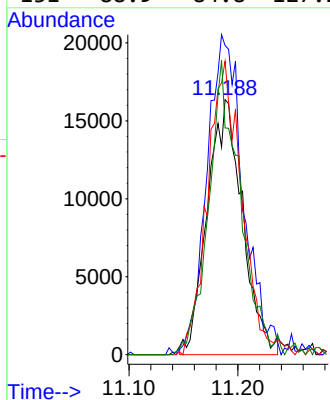
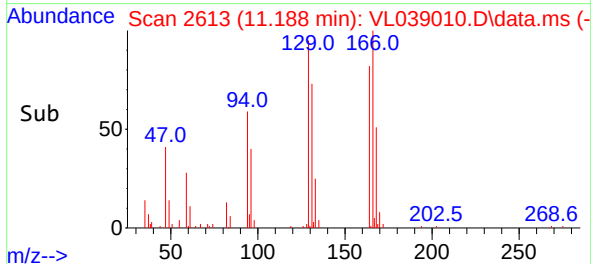
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



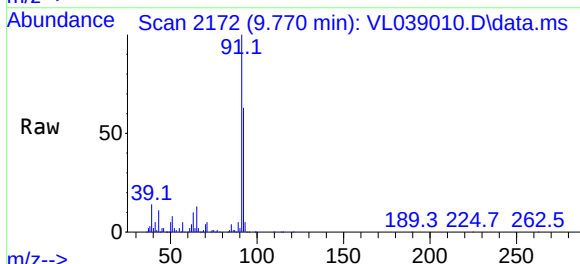
Tgt Ion:164 Resp: 3682
Ion Ratio Lower Upper
164 100
166 121.3 102.5 153.7
129 115.1 90.1 135.1
131 88.9 84.8 127.2

Manual Integrations
APPROVED

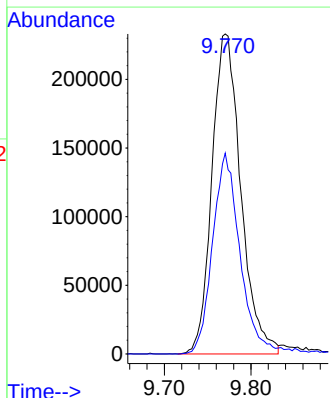
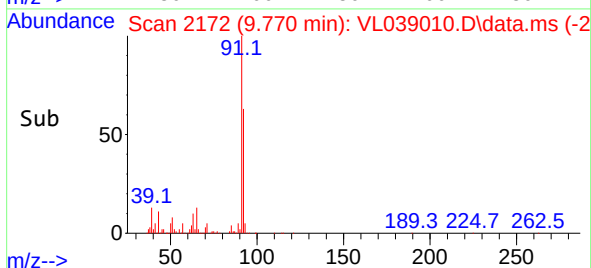
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

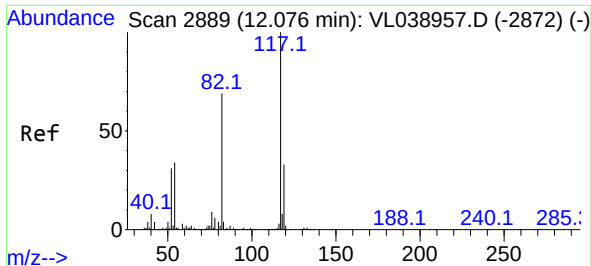


#53
Toluene
Concen: 1.916 ppbv
RT: 9.770 min Scan# 2172
Delta R.T. -0.029 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



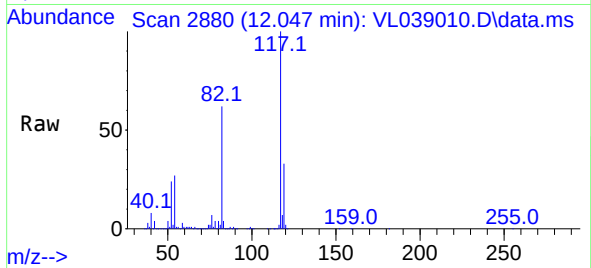
Tgt Ion: 91 Resp: 539586
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.047 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

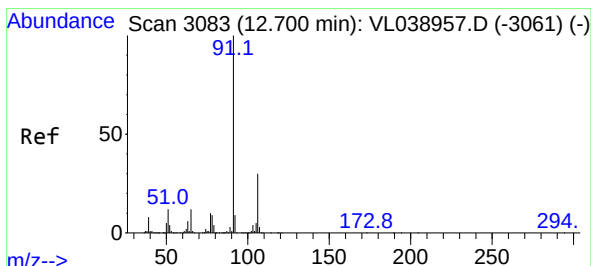
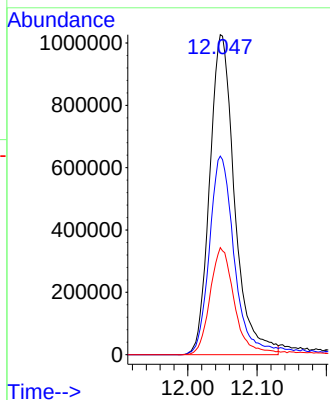
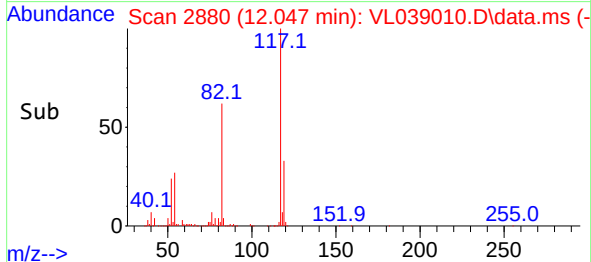
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



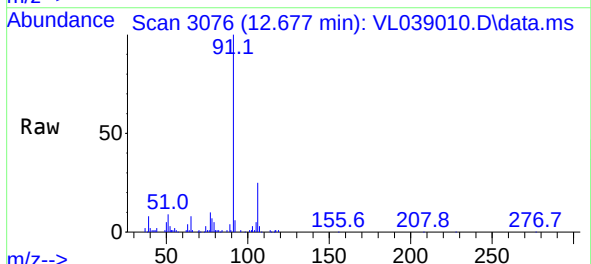
Tgt Ion: 117 Resp: 2561650
Ion Ratio Lower Upper
117 100
82 65.2 57.0 85.6
119 33.0 27.2 40.8

Manual Integrations
APPROVED

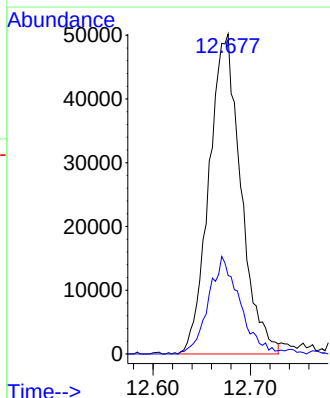
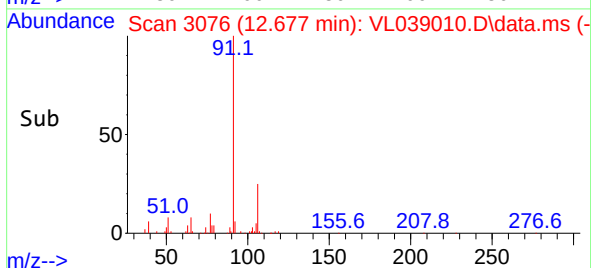
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

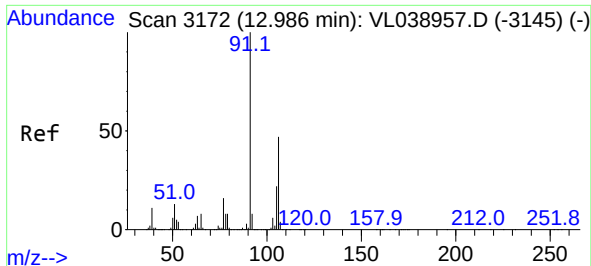


#58
Ethyl Benzene
Concen: 0.310 ppbv
RT: 12.677 min Scan# 3076
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



Tgt Ion: 91 Resp: 114158
Ion Ratio Lower Upper
91 100
106 24.6 24.2 36.4





#59

m/p-Xylene

Concen: 1.047 ppbv

RT: 12.928 min Scan# 3172

Delta R.T. -0.058 min

Lab File: VL039010.D

Acq: 10 May 2022 6:19

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 91 Resp: 32956

Ion Ratio Lower Upper

91 100

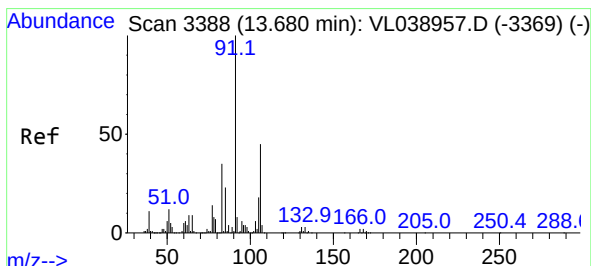
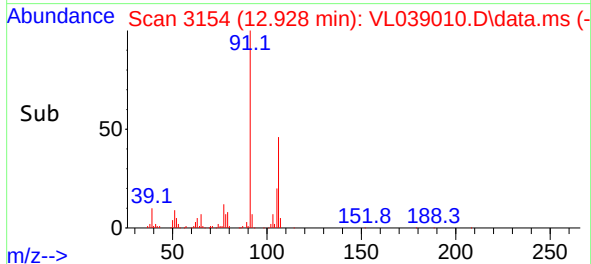
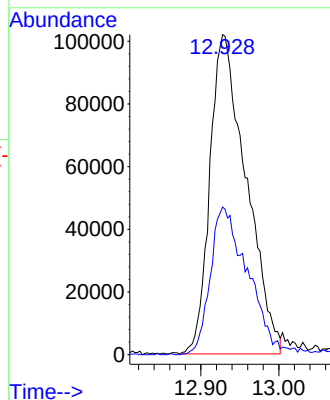
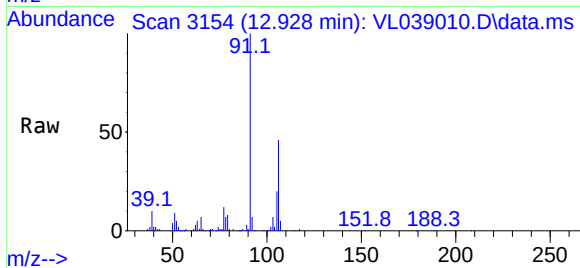
106 48.4 34.6 52.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#60

o-Xylene

Concen: 0.437 ppbv

RT: 13.651 min Scan# 3379

Delta R.T. -0.029 min

Lab File: VL039010.D

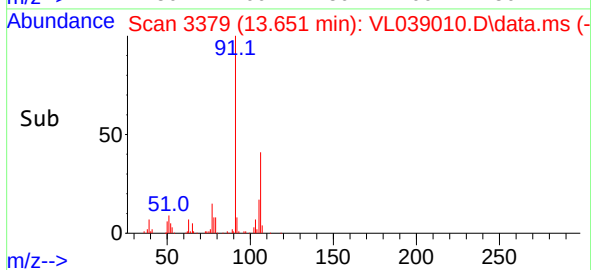
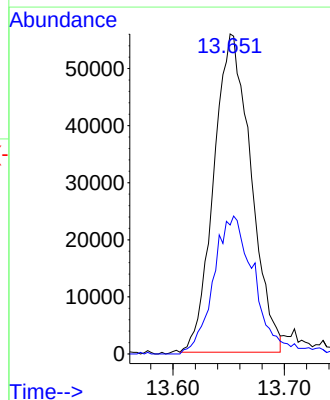
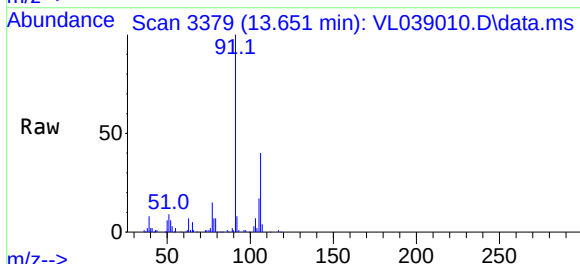
Acq: 10 May 2022 6:19

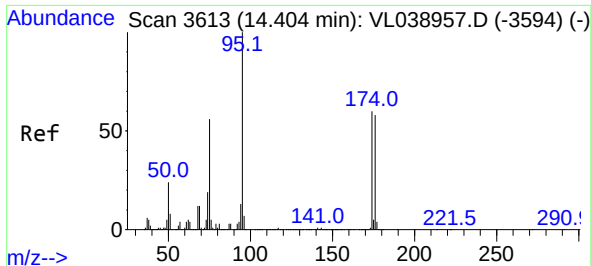
Tgt Ion: 91 Resp: 129436

Ion Ratio Lower Upper

91 100

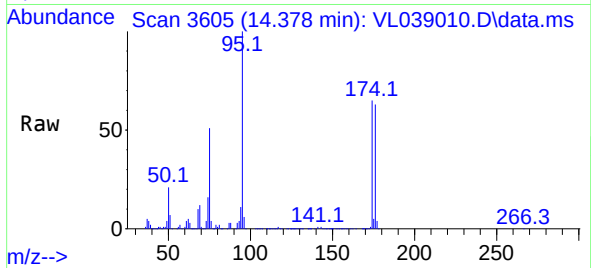
106 48.7 22.2 66.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.363 ppbv
RT: 14.378 min Scan# 30
Delta R.T. -0.026 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

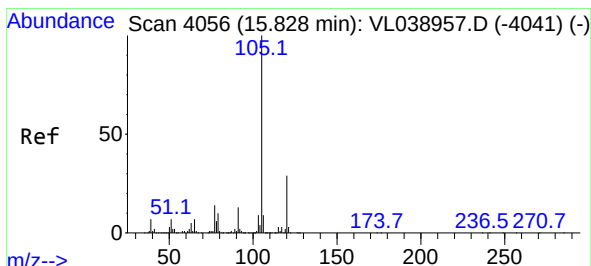
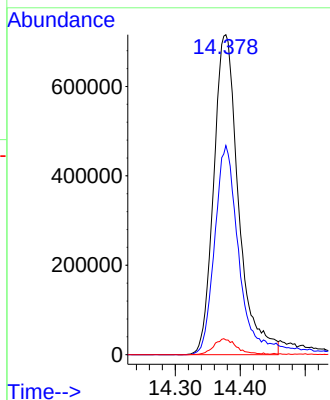
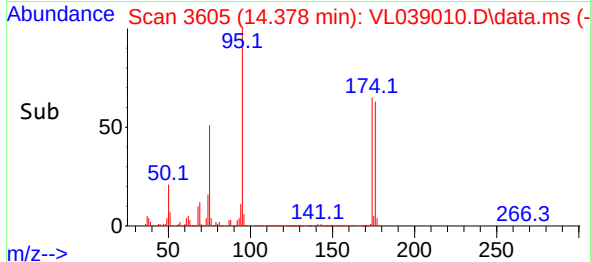
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



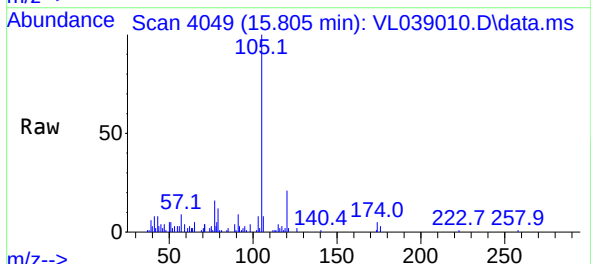
Tgt Ion: 95 Resp: 189948
Ion Ratio Lower Upper
95 100
174 67.1 50.8 76.2
175 4.8 3.8 5.6

Manual Integrations
APPROVED

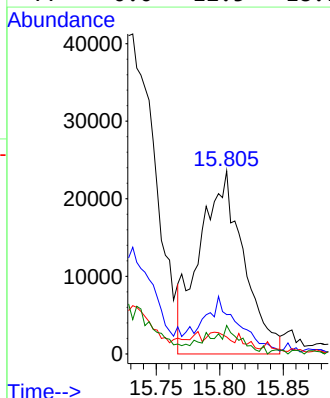
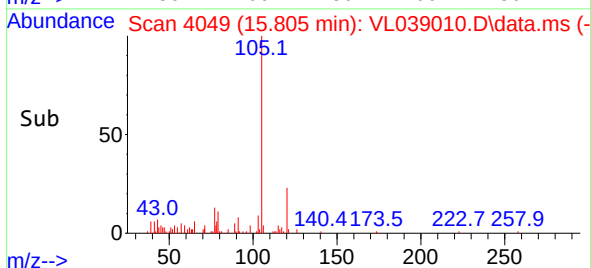
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

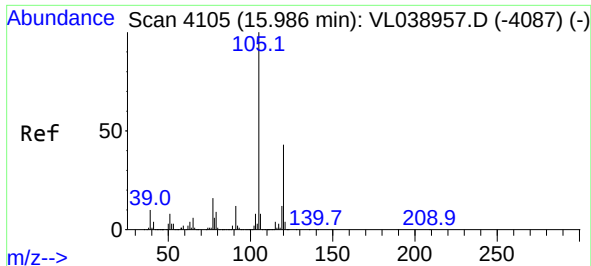


#72
4-Ethyltoluene
Concen: 0.168 ppbv m
RT: 15.805 min Scan# 4049
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



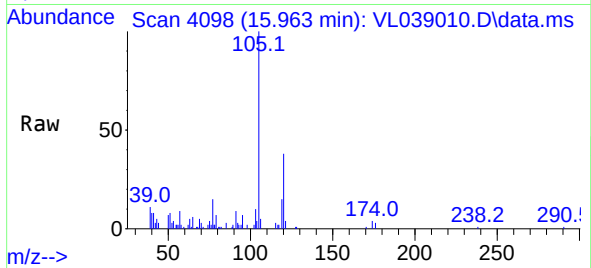
Tgt Ion:105 Resp: 56791
Ion Ratio Lower Upper
105 100
120 28.7 23.4 35.0
91 0.0 10.6 16.0#
77 0.0 12.5 18.7#





#73
1,3,5-Trimethylbenzene
Concen: 0.150 ppbv m
RT: 15.963 min Scan# 4098
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19

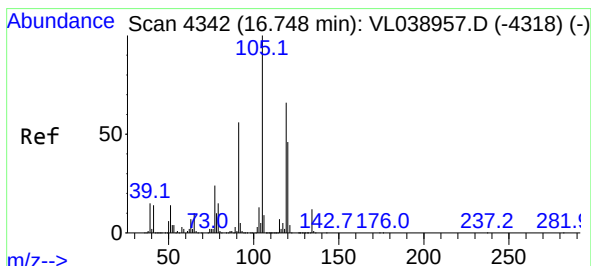
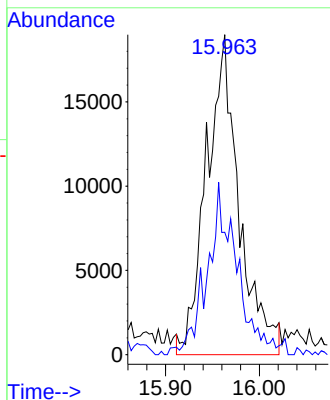
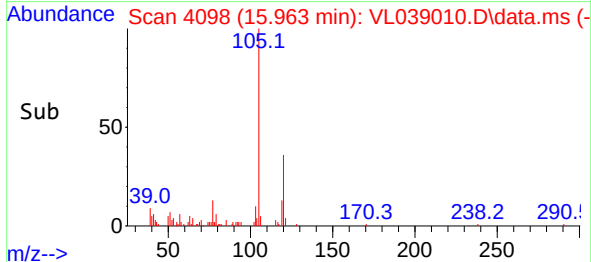
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



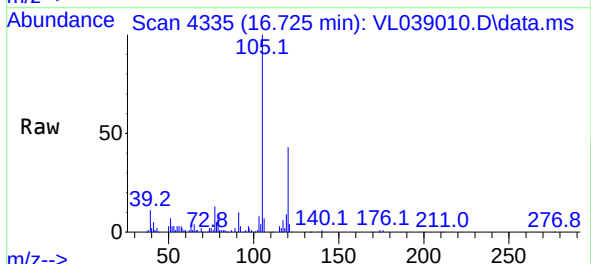
Tgt Ion:105 Resp: 45679
Ion Ratio Lower Upper
105 100
120 38.2 34.4 51.6

Manual Integrations
APPROVED

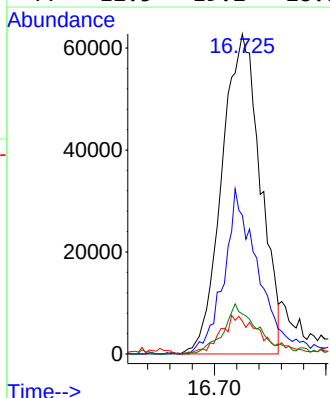
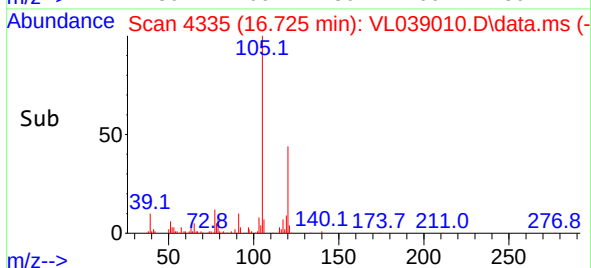
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022

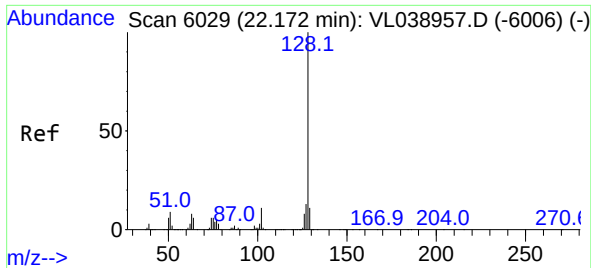


#74
1,2,4-Trimethylbenzene
Concen: 0.452 ppbv
RT: 16.725 min Scan# 4335
Delta R.T. -0.023 min
Lab File: VL039010.D
Acq: 10 May 2022 6:19



Tgt Ion:105 Resp: 150338
Ion Ratio Lower Upper
105 100
120 43.4 36.9 55.3
91 9.9 45.0 67.4#
77 12.5 19.2 28.8#





#79

Naphthalene

Concen: 0.159 ppbv m

RT: 22.152 min Scan# 60

Delta R.T. -0.019 min

Lab File: VL039010.D

Acq: 10 May 2022 6:19

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion:128	Resp:	4297
Ion Ratio	Lower	Upper
128	100	
127	14.0	10.2 15.2
129	8.5	8.9 13.3

Manual Integrations

APPROVED

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

