

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039106.D
 Acq On : 24 May 2022 5:43
 Operator : SY/AP
 Sample : N2957-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 APB-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

Quant Time: May 24 08:46:20 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 26 13:06:00 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	5.649	49	1016345	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.150	114	2687137	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.057	117	2231123	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.385	95	1815860	10.277	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.044	85	36377m	0.228	ppbv	
3) Chlorodifluoromethane	2.983	51	56212m	0.446	ppbv	
4) Chloromethane	3.128	50	44320	0.702	ppbv #	82
9) Propene	3.002	41	176861	3.211	ppbv	96
10) Heptane	8.095	43	105549m	0.781	ppbv	
11) Trichlorofluoromethane	3.938	101	35219	0.258	ppbv	84
13) Ethanol	3.588	45	542489	139.186	ppbv	91
15) Acetone	3.838	43	187892m	1.960	ppbv	
19) Isopropyl Alcohol	3.954	45	131193	2.878	ppbv #	83
20) Methylene Chloride	4.327	84	47015	1.301	ppbv	92
26) Hexane	5.668	57	246604	2.419	ppbv #	42
30) Cyclohexane	7.115	84	40908	0.479	ppbv #	70
34) 2-Butanone	5.231	43	72575m	0.529	ppbv	
35) Carbon Tetrachloride	6.993	117	11447m	0.065	ppbv	
36) Benzene	6.867	78	423097	1.840	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	655420	1.624	ppbv	93
53) Toluene	9.780	91	810932	3.146	ppbv	97
58) Ethyl Benzene	12.680	91	122417m	0.381	ppbv	
59) m/p-Xylene	12.938	91	299372m	1.092	ppbv	
60) o-Xylene	13.658	91	106424m	0.413	ppbv	
72) 4-Ethyltoluene	15.812	105	29844m	0.102	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	73533m	0.254	ppbv	

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

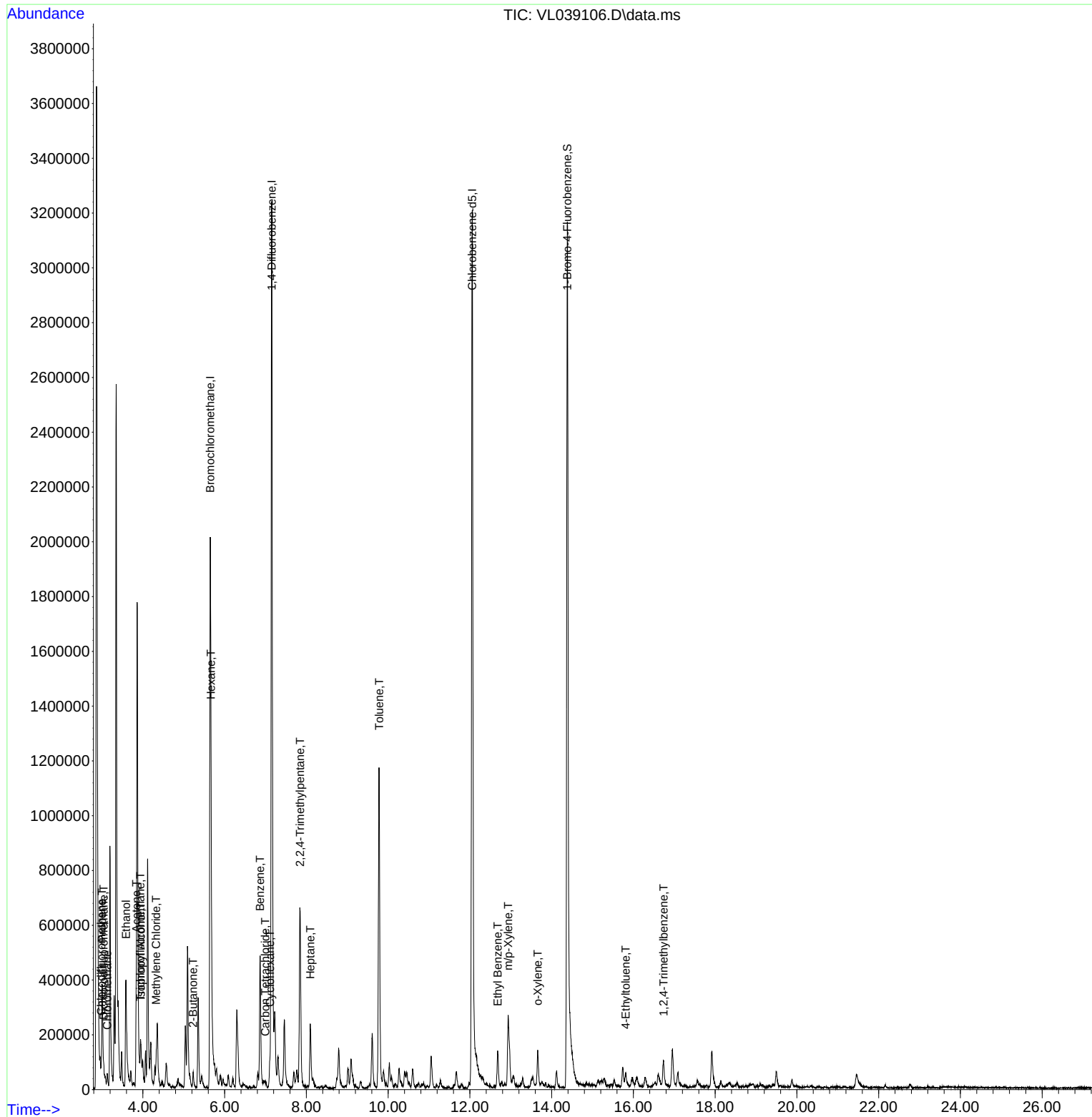
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039106.D
Acq On : 24 May 2022 5:43
Operator : SY/AP
Sample : N2957-04
Misc : 400mL/MSVOA_L
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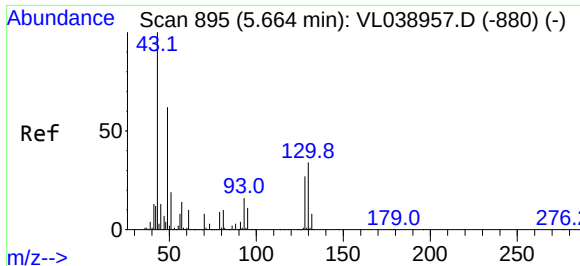
Instrument :
MSVOA_L
ClientSampleId :
APB-1

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Supervised By :Mahesh Dadoda 05/26/2022

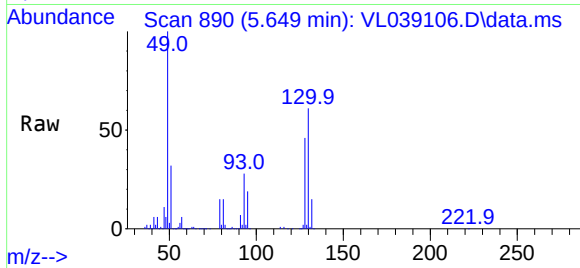
Quant Time: May 24 08:46:20 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.649 min Scan# 89
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

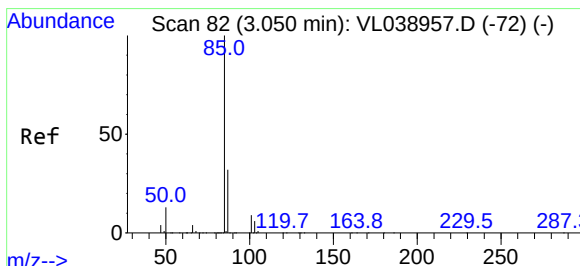
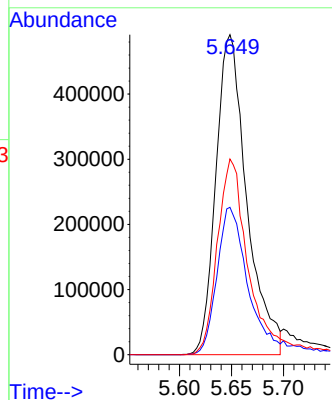
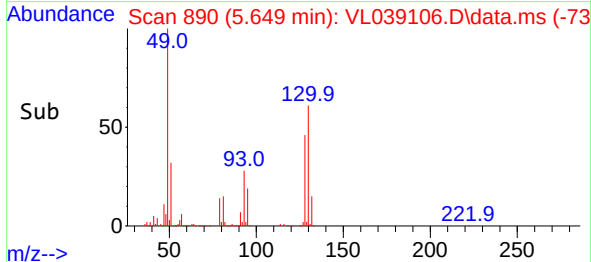
Instrument :
MSVOA_L
ClientSampleId :
APB-1



Tgt Ion: 49 Resp: 101634
Ion Ratio Lower Upper
49 100
128 50.0 23.3 69.8
130 65.4 29.8 89.3

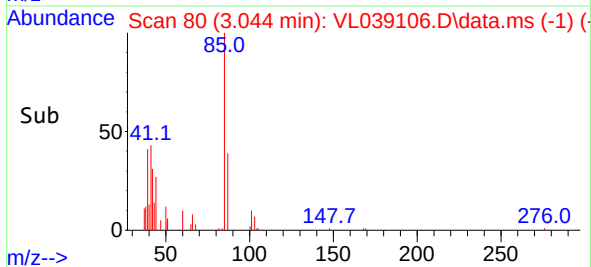
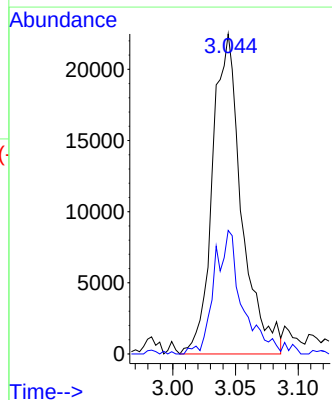
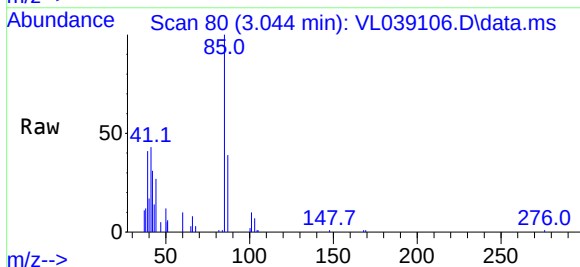
Manual Integrations
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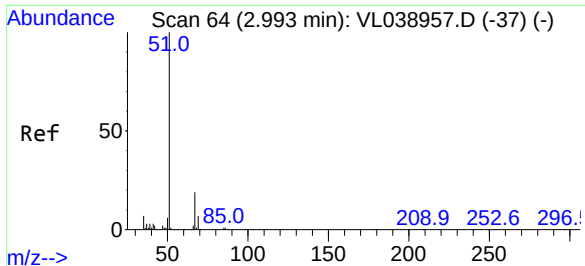
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#2
Dichlorodifluoromethane
Concen: 0.228 ppbv m
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 85 Resp: 36377
Ion Ratio Lower Upper
85 100
87 38.6 25.7 38.5#





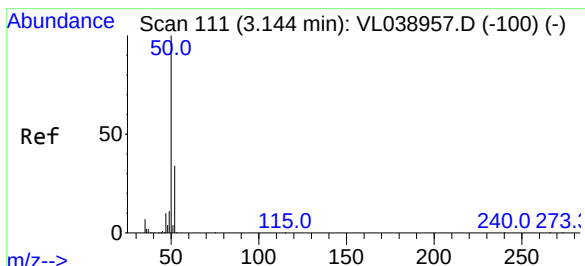
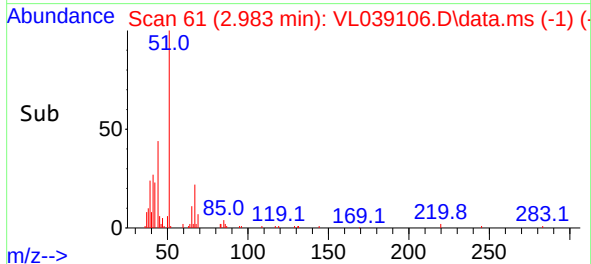
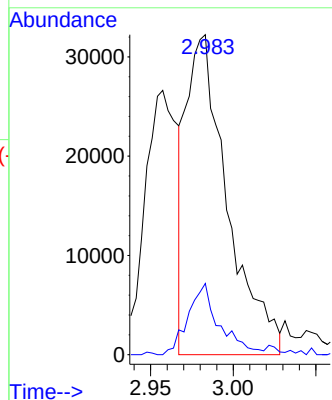
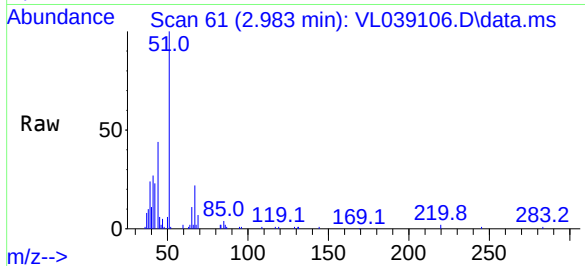
#3
Chlorodifluoromethane
Concen: 0.446 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 51 Resp: 5621
Ion Ratio Lower Upper
51 100
67 18.6 15.8 23.8

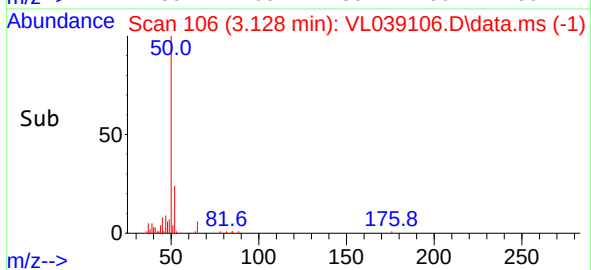
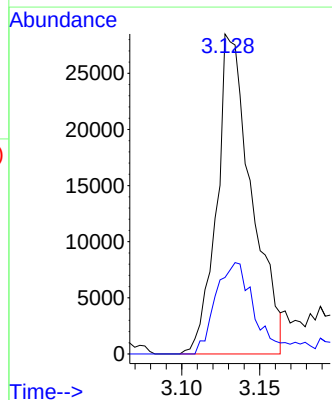
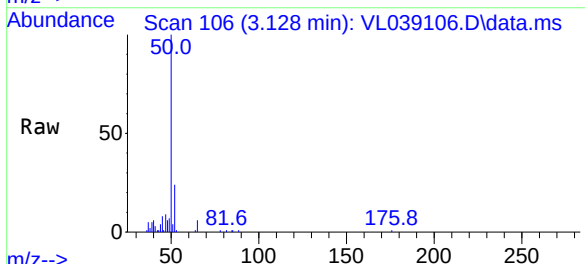
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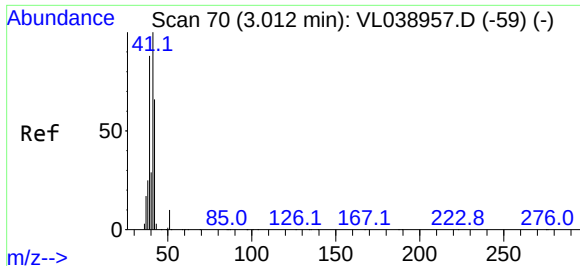
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#4
Chloromethane
Concen: 0.702 ppbv
RT: 3.128 min Scan# 106
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 50 Resp: 44320
Ion Ratio Lower Upper
50 100
52 23.9 27.3 40.9#





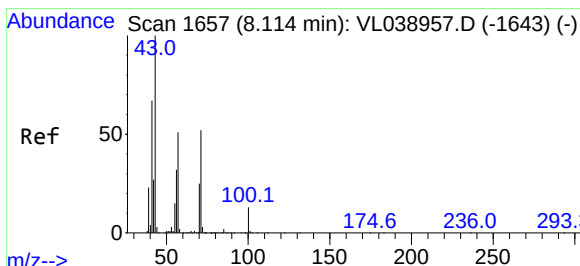
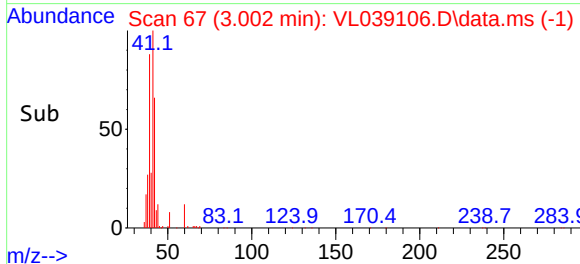
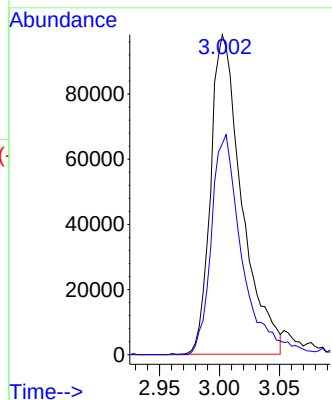
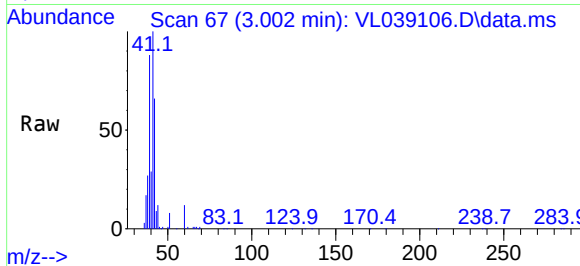
#9
Propene
Concen: 3.211 ppbv
RT: 3.002 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 41 Resp: 17686
Ion Ratio Lower Upper
41 100
42 69.3 58.3 87.5

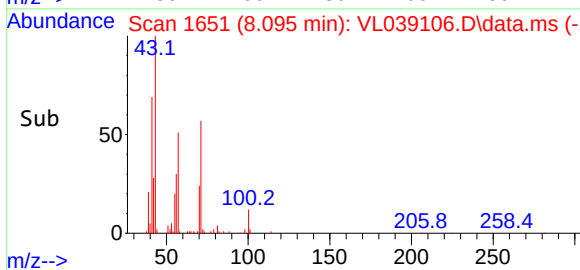
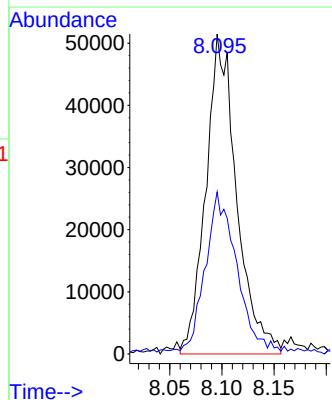
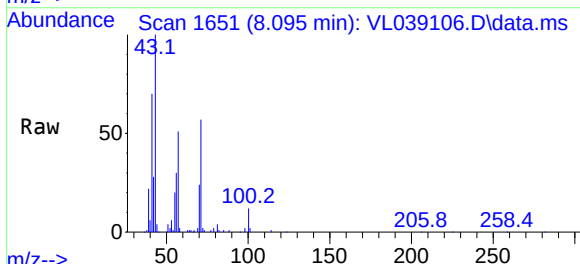
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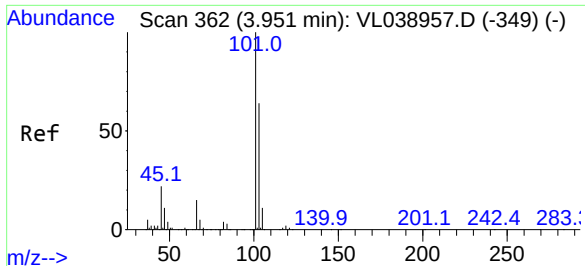
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#10
Heptane
Concen: 0.781 ppbv m
RT: 8.095 min Scan# 1651
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 43 Resp: 105549
Ion Ratio Lower Upper
43 100
57 52.2 40.5 60.7





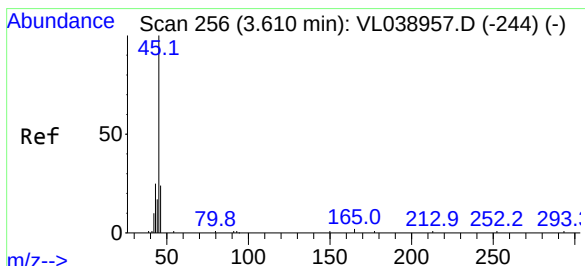
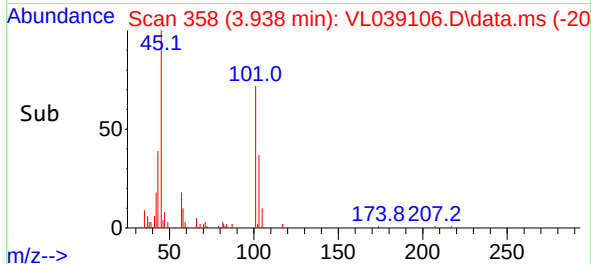
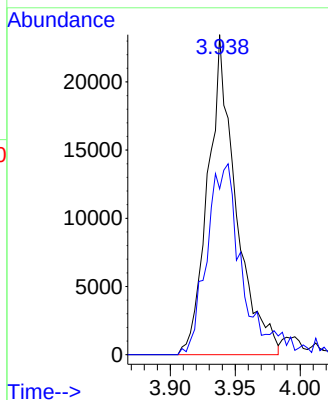
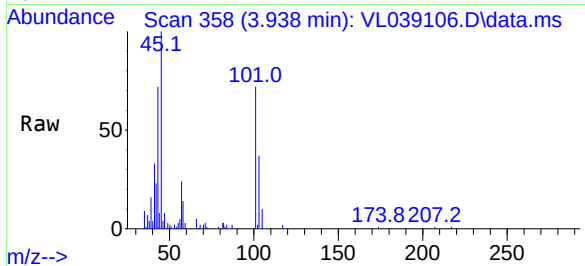
#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 3.938 min Scan# 301
Delta R.T. -0.013 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion:101 Resp: 35219
Ion Ratio Lower Upper
101 100
103 51.8 51.5 77.3

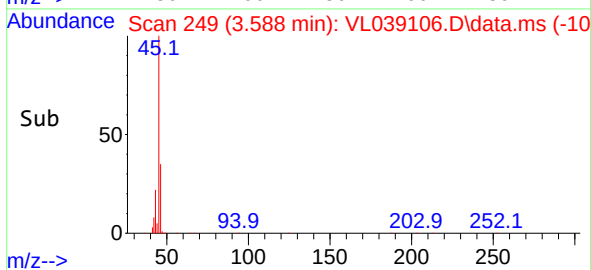
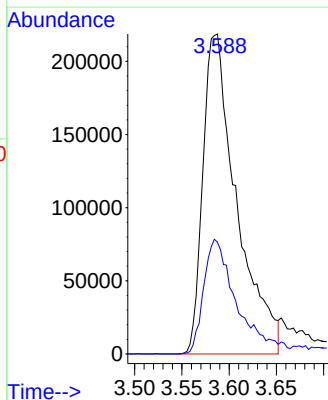
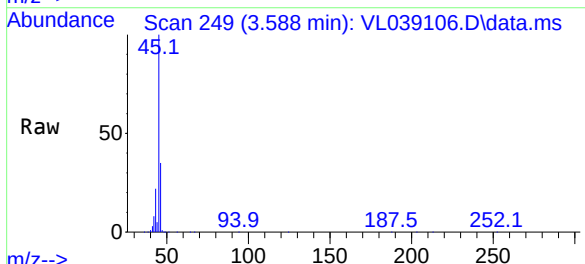
Manual Integrations
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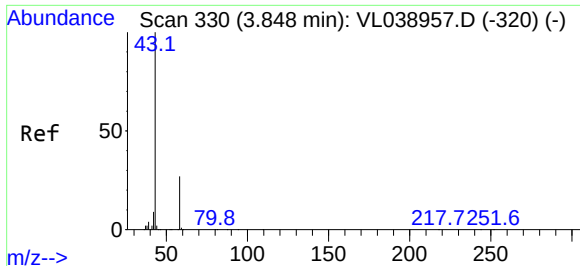
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#13
Ethanol
Concen: 139.186 ppbv
RT: 3.588 min Scan# 249
Delta R.T. -0.022 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

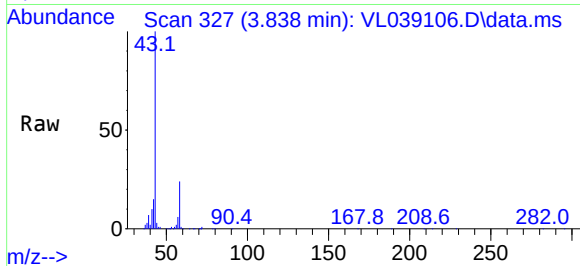
Tgt Ion: 45 Resp: 542489
Ion Ratio Lower Upper
45 100
46 39.3 18.0 72.2





#15
Acetone
Concen: 1.960 ppbv m
RT: 3.838 min Scan# 31
Delta R.T. -0.009 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

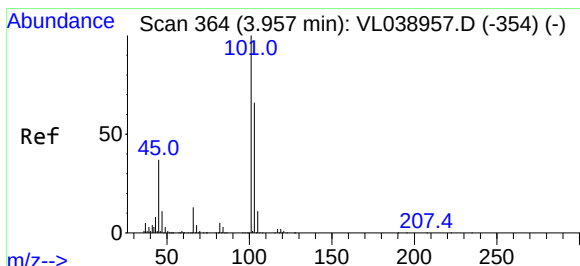
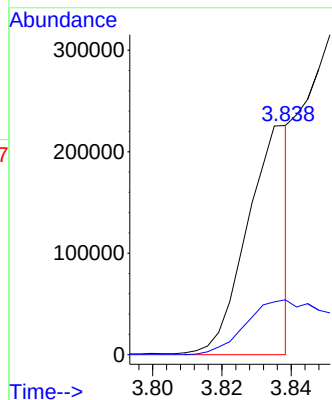
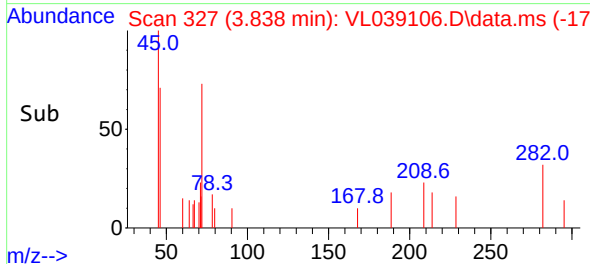
Instrument :
MSVOA_L
ClientSampleId :
APB-1



Tgt Ion: 43 Resp: 187892
Ion Ratio Lower Upper
43 100
58 74.9 21.3 31.9

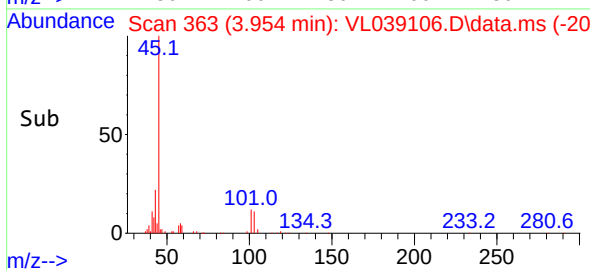
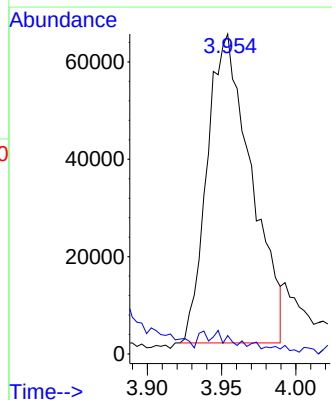
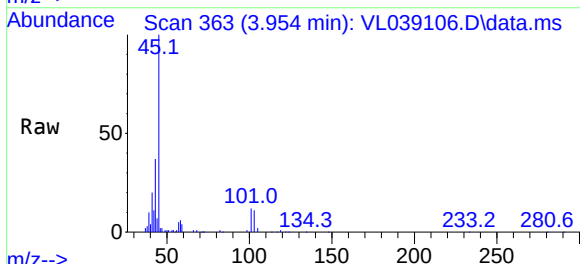
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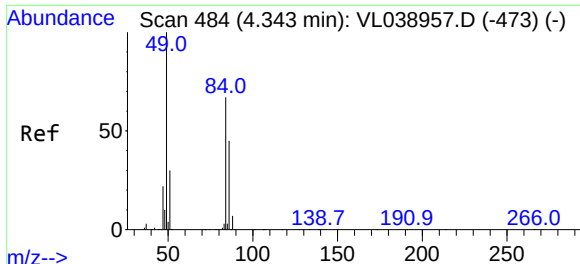
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#19
Isopropyl Alcohol
Concen: 2.878 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.003 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

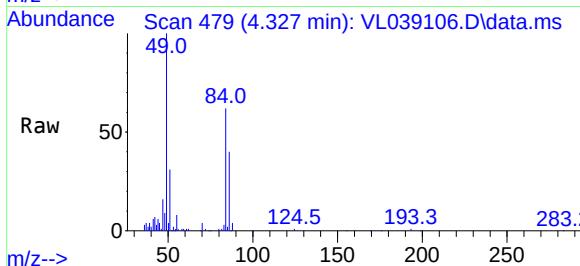
Tgt Ion: 45 Resp: 131193
Ion Ratio Lower Upper
45 100
58 7.9 1.4 2.2





#20
Methylene Chloride
Concen: 1.301 ppbv
RT: 4.327 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

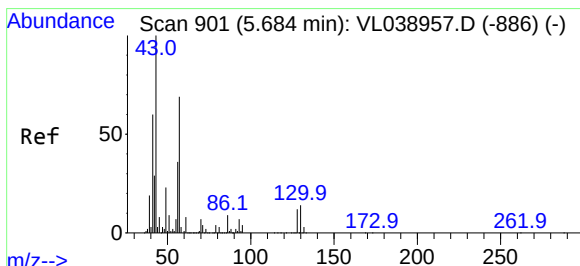
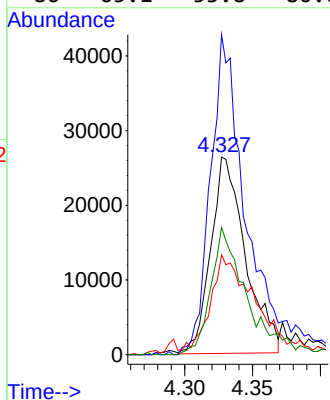
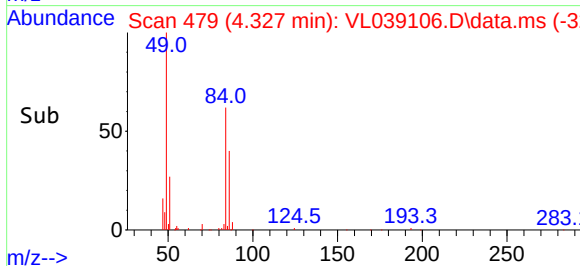
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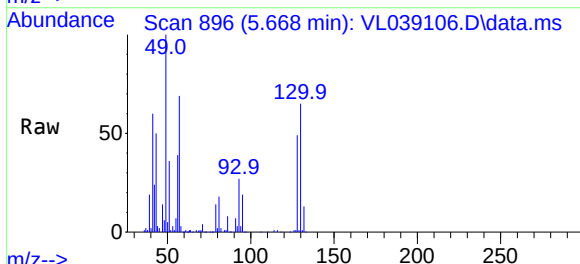
Tgt Ion: 84 Resp: 47015
Ion Ratio Lower Upper
84 100
49 163.5 119.9 179.9
51 48.8 35.7 53.5
86 65.1 53.8 80.6

Manual Integrations
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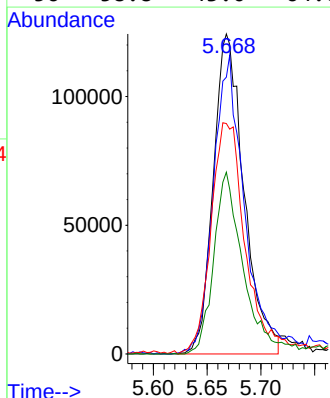
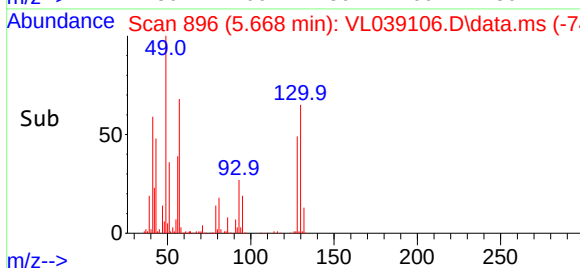
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

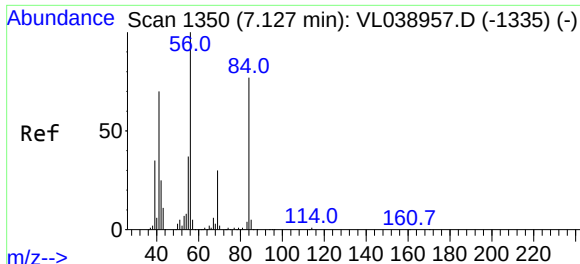


#26
Hexane
Concen: 2.419 ppbv
RT: 5.668 min Scan# 896
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43



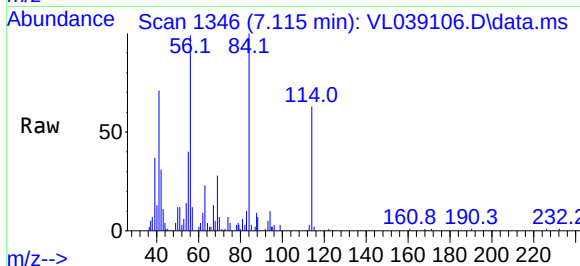
Tgt Ion: 57 Resp: 246604
Ion Ratio Lower Upper
57 100
41 99.4 75.2 112.8
43 85.8 190.8 286.2#
56 58.8 43.0 64.6





#30
Cyclohexane
Concen: 0.479 ppbv
RT: 7.115 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

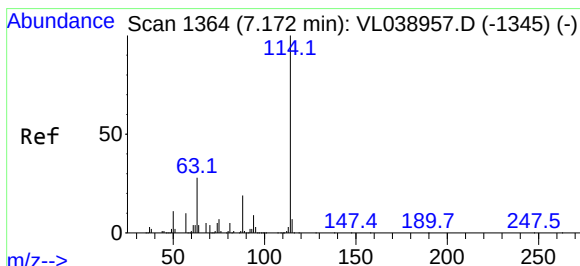
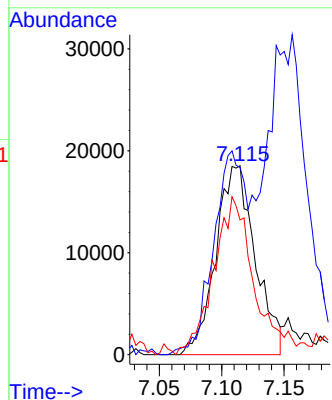
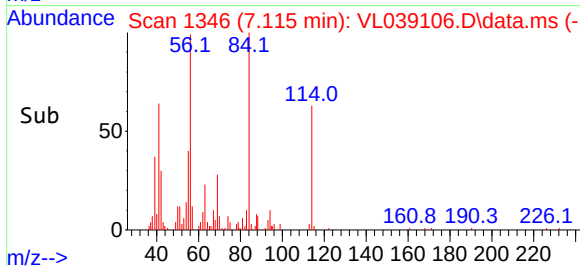
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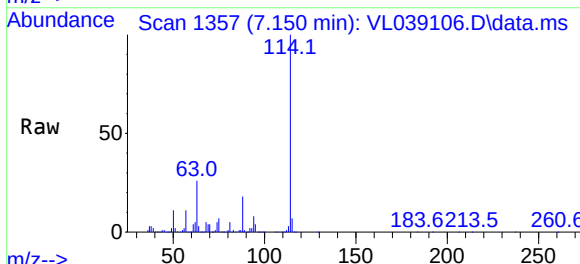
Tgt Ion: 84 Resp: 40908
Ion Ratio Lower Upper
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56 87.3 115.3 172.9
41 84.8 72.0 108.0

Manual Integrations
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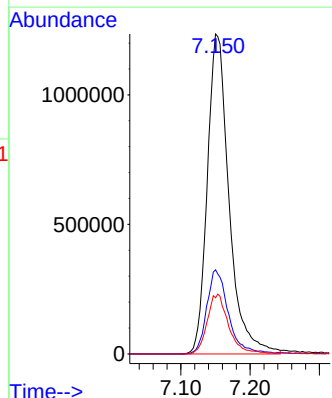
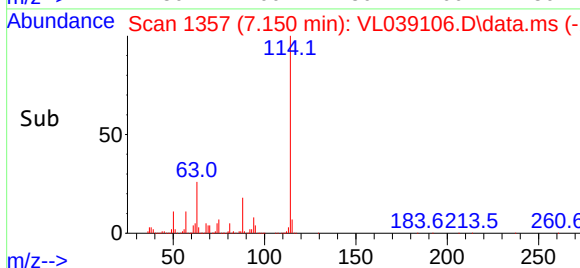
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Supervised By :Mahesh Dadoda 05/26/2022

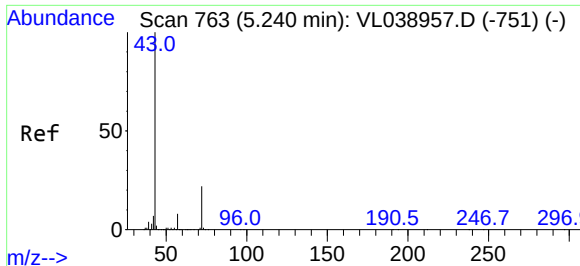


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.150 min Scan# 1357
Delta R.T. -0.022 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43



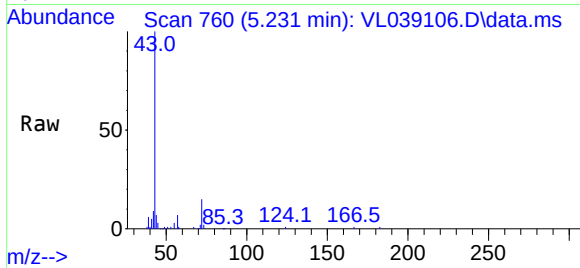
Tgt Ion:114 Resp: 2687137
Ion Ratio Lower Upper
114 100
63 26.5 22.6 33.8
88 18.7 15.4 23.0





#34
2-Butanone
Concen: 0.529 ppbv m
RT: 5.231 min Scan# 71
Delta R.T. -0.009 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

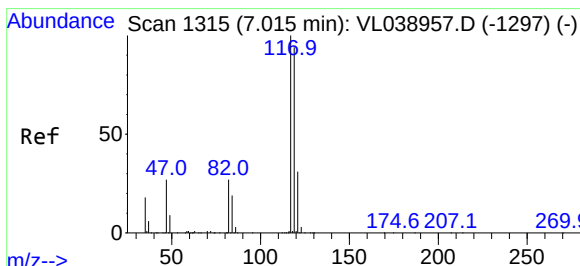
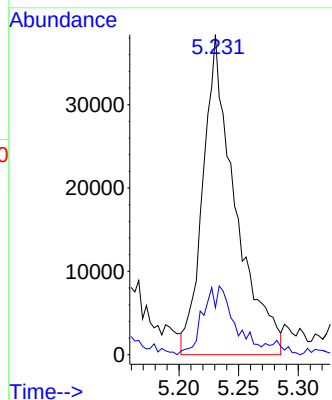
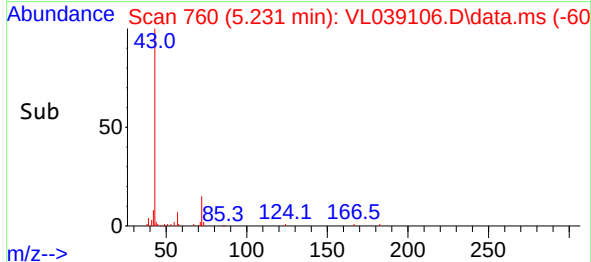
Instrument :
MSVOA_L
ClientSampleId :
APB-1



Tgt Ion: 43 Resp: 7257
Ion Ratio Lower Upper
43 100
72 23.1 17.8 26.6

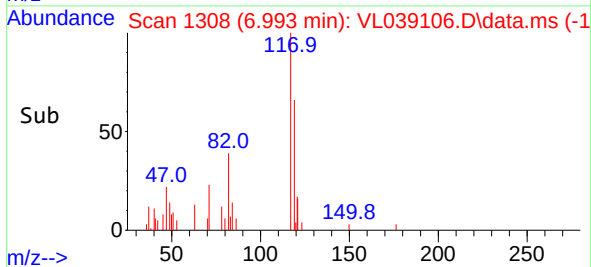
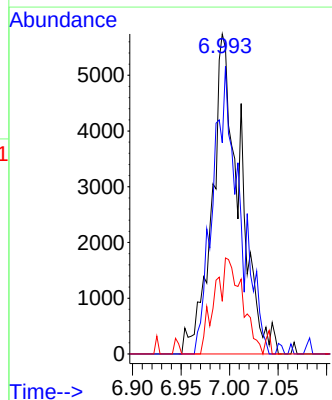
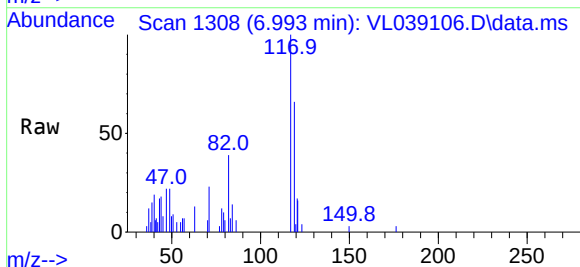
Manual Integrations
APPROVED

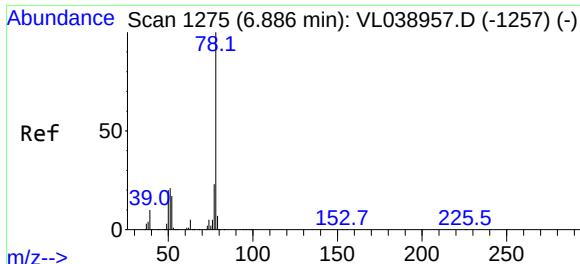
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.993 min Scan# 1308
Delta R.T. -0.022 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion:117 Resp: 11447
Ion Ratio Lower Upper
117 100
119 66.0 75.2 112.8#
121 16.5 24.6 37.0#





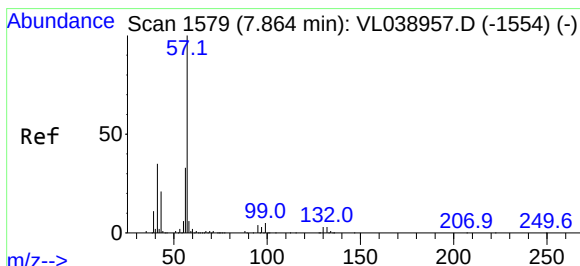
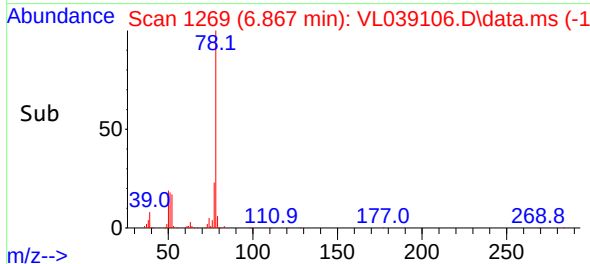
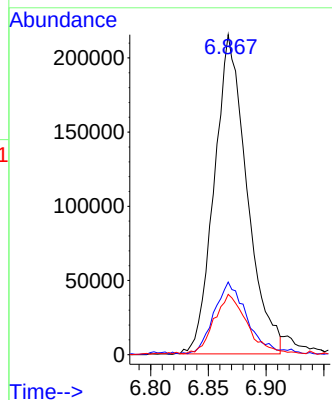
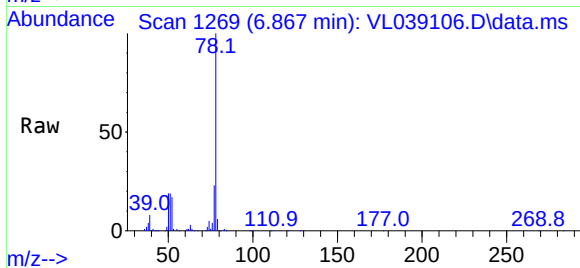
#36
Benzene
Concen: 1.840 ppbv
RT: 6.867 min Scan# 1269
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 78 Resp: 42309
Ion Ratio Lower Upper
78 100
77 22.3 18.6 28.0
50 18.5 15.6 23.4

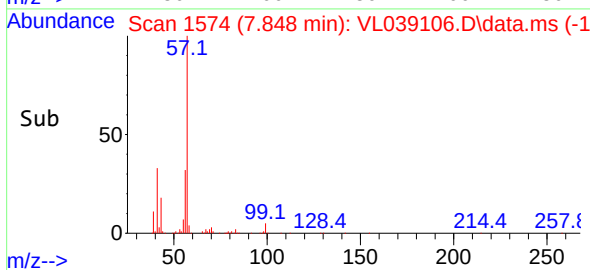
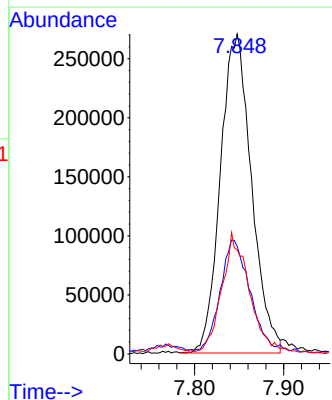
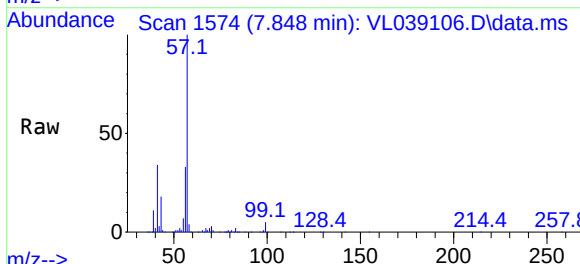
Manual Integrations
APPROVED

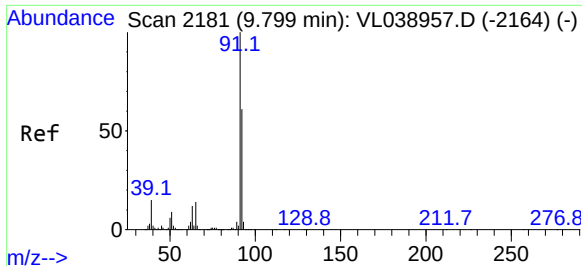
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#44
2,2,4-Trimethylpentane
Concen: 1.624 ppbv
RT: 7.848 min Scan# 1574
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

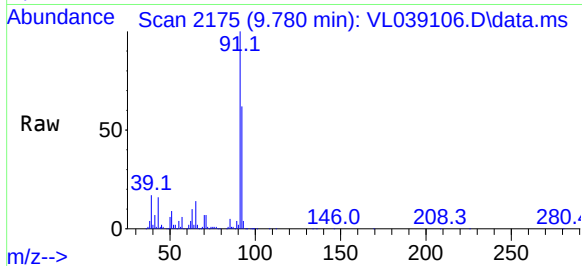
Tgt Ion: 57 Resp: 655420
Ion Ratio Lower Upper
57 100
41 36.8 26.3 39.5
56 34.9 24.6 37.0





#53
Toluene
Concen: 3.146 ppbv
RT: 9.780 min Scan# 2181
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

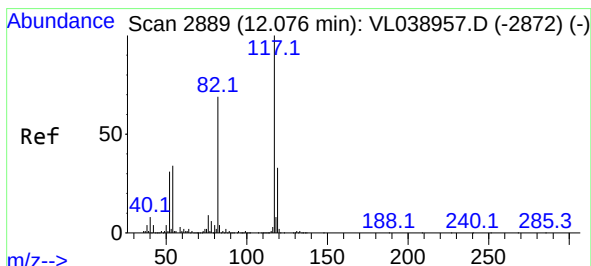
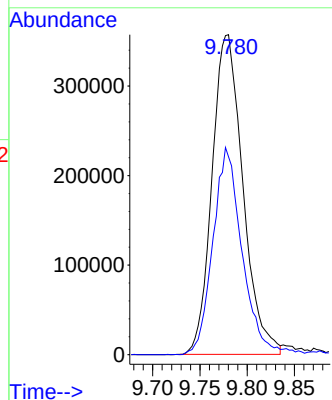
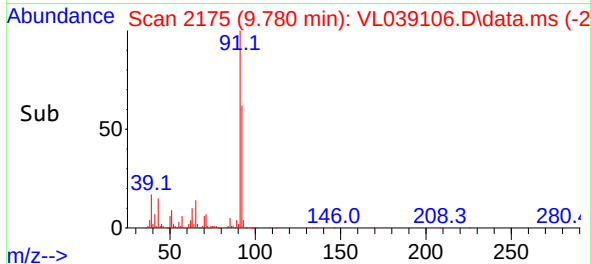
Instrument : MSVOA_1
ClientSampleId : APB-1



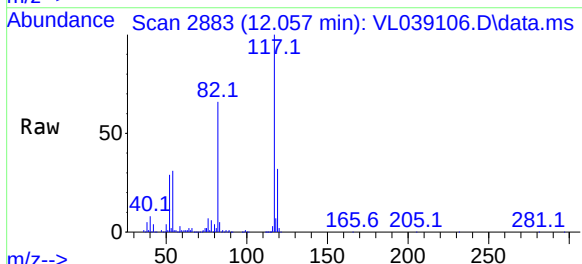
Tgt Ion: 91 Resp: 81093
Ion Ratio Lower Upper
91 100
92 62.2 48.2 72.2

Manual Integrations
APPROVED

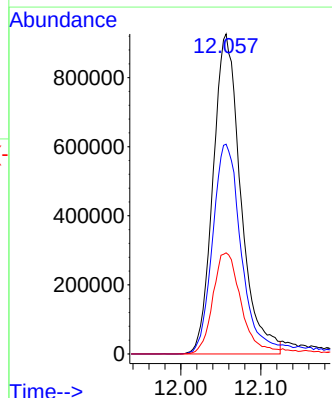
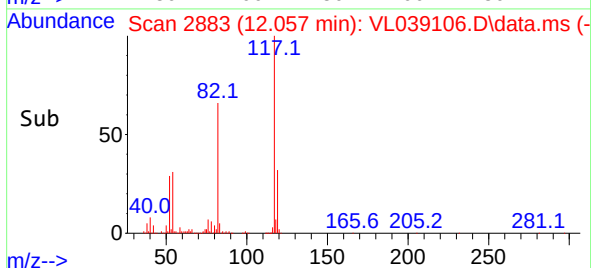
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022

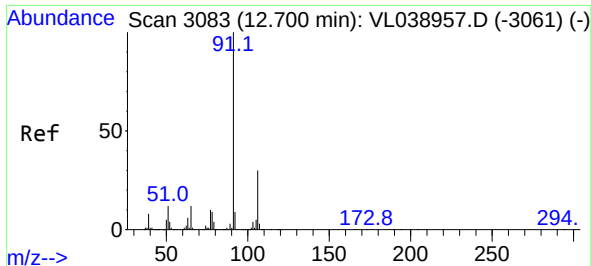


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.057 min Scan# 2883
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43



Tgt Ion:117 Resp: 2231123
Ion Ratio Lower Upper
117 100
82 71.4 57.0 85.6
119 33.5 27.2 40.8





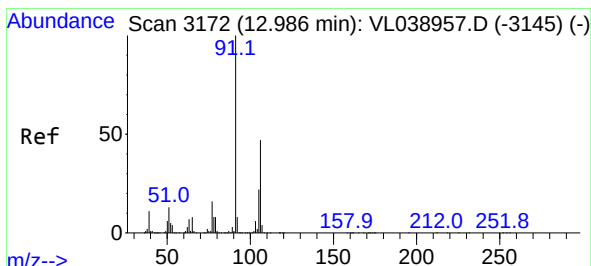
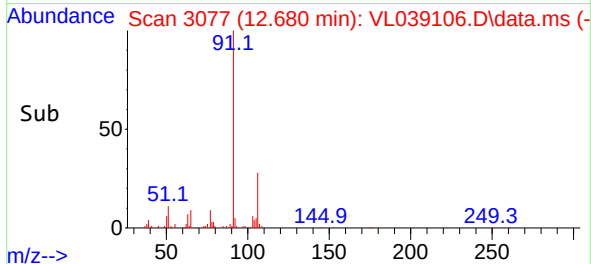
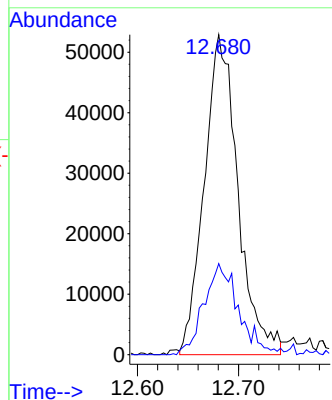
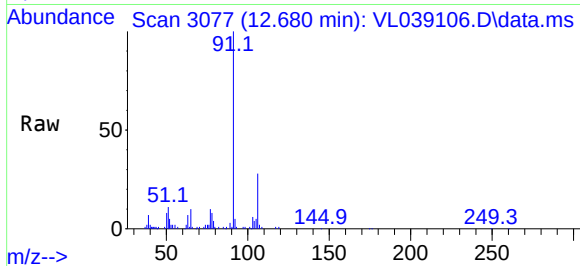
#58
Ethyl Benzene
Concen: 0.381 ppbv m
RT: 12.680 min Scan# 3083
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 91 Resp: 12241
Ion Ratio Lower Upper
91 100
106 28.4 24.2 36.4

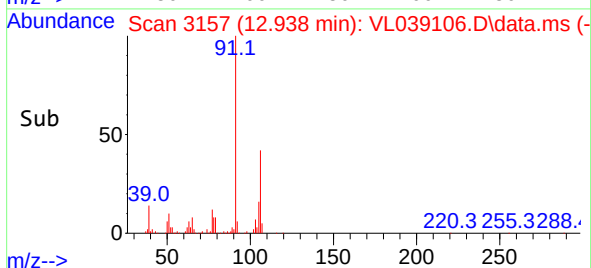
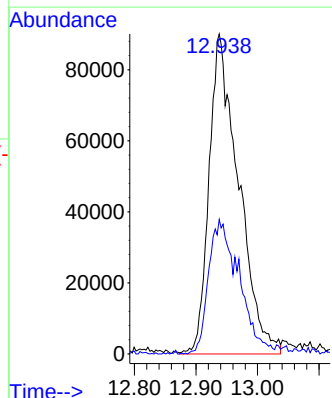
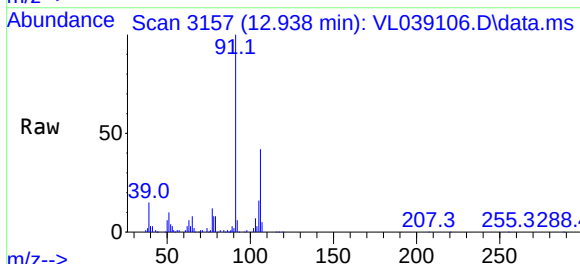
Manual Integrations
APPROVED

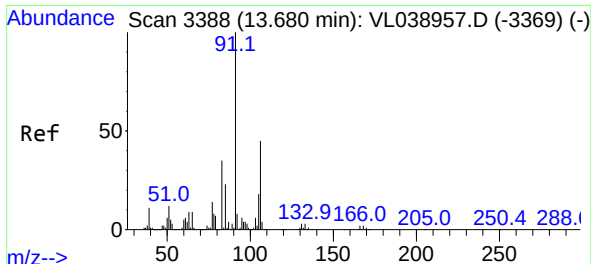
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#59
m/p-Xylene
Concen: 1.092 ppbv m
RT: 12.938 min Scan# 3157
Delta R.T. -0.048 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Tgt Ion: 91 Resp: 299372
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#





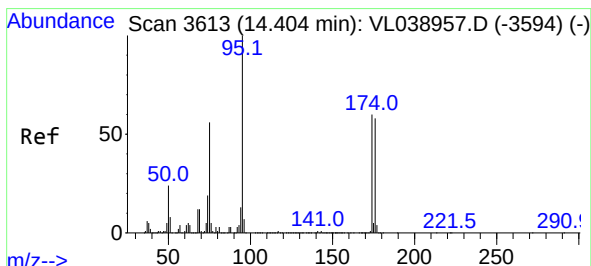
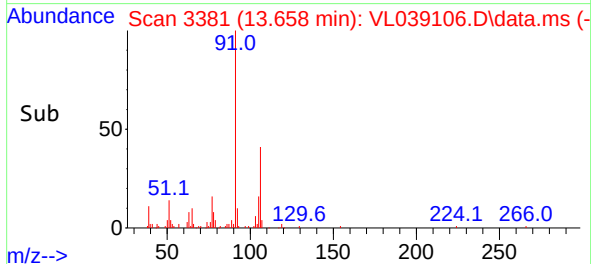
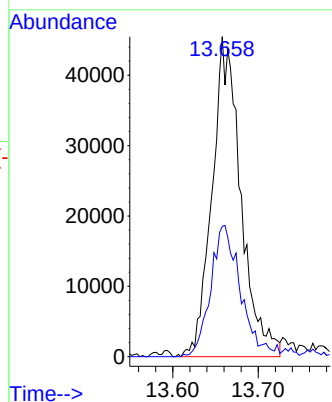
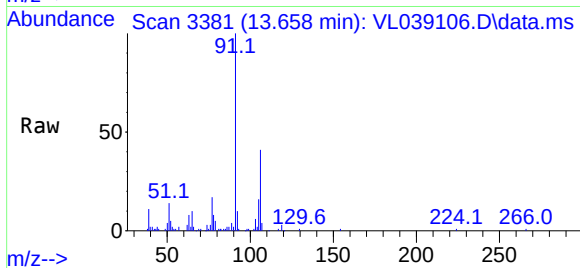
#60
o-Xylene
Concen: 0.413 ppbv m
RT: 13.658 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

Instrument :
MSVOA_L
ClientSampleId :
APB-1

Tgt Ion: 91 Resp: 106424
Ion Ratio Lower Upper
91 100
106 0.0 22.2 66.6

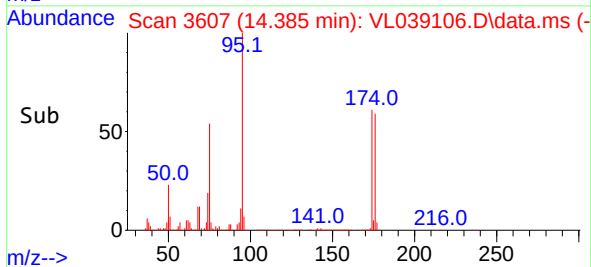
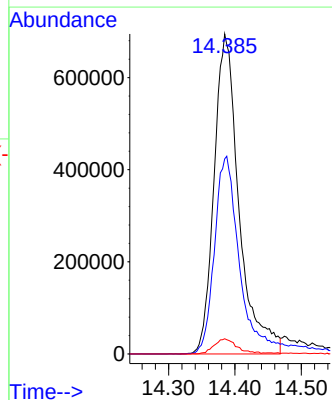
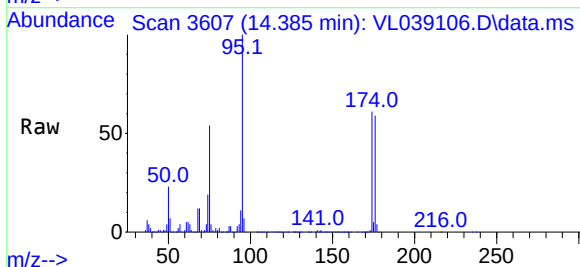
Manual Integrations
APPROVED

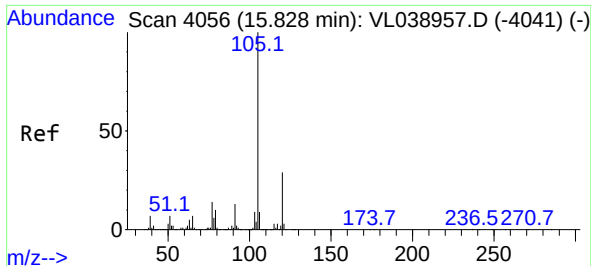
Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.277 ppbv
RT: 14.385 min Scan# 3607
Delta R.T. -0.019 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

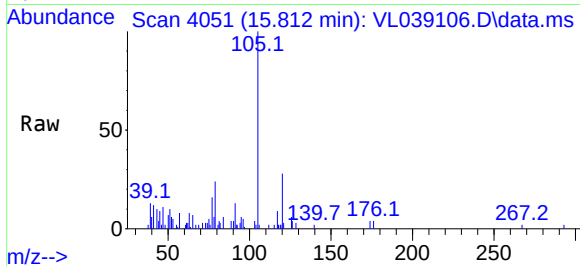
Tgt Ion: 95 Resp: 1815860
Ion Ratio Lower Upper
95 100
174 66.1 50.8 76.2
175 4.8 3.8 5.6





#72
4-Ethyltoluene
Concen: 0.102 ppbv m
RT: 15.812 min Scan# 4051
Delta R.T. -0.016 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43

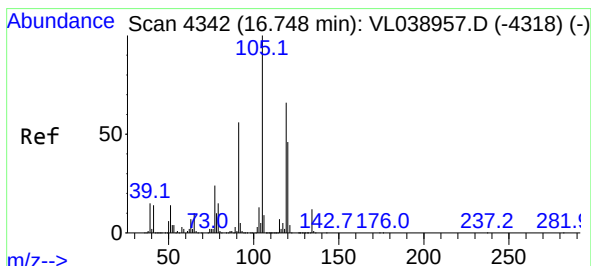
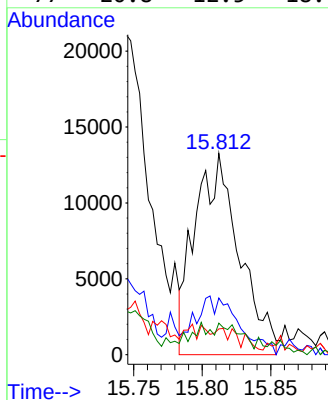
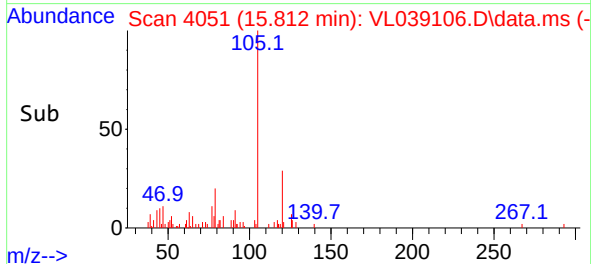
Instrument :
MSVOA_L
ClientSampleId :
APB-1



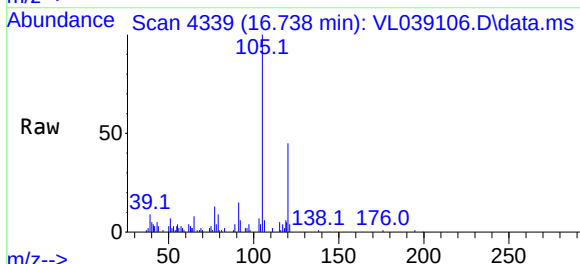
Tgt Ion	105	120	91	77
Ratio	100	27.8	0.0	20.8
Lower		23.4	10.6	12.5
Upper		35.0	16.0	18.7

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/25/2022
Supervised By :Mahesh Dadoda 05/26/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.254 ppbv m
RT: 16.738 min Scan# 4339
Delta R.T. -0.009 min
Lab File: VL039106.D
Acq: 24 May 2022 5:43



Tgt Ion	105	120	91	77
Ratio	100	44.8	14.9	13.0
Lower		36.9	45.0	19.2
Upper		55.3	67.4	28.8

