

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039265.D
 Acq On : 14 Jun 2022 00:00
 Operator : SY/AP
 Sample : N3306-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 A-1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:35:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 6

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1181414	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	2595809	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.086	117	2136753	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1946034	11.016	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.057	85	57295	0.276	ppbv	99
3) Chlorodifluoromethane	2.996	51	100808	0.671	ppbv #	82
4) Chloromethane	3.150	50	40324	0.522	ppbv	89
9) Propene	3.028	41	242750	3.704	ppbv #	69
10) Heptane	8.128	43	25852m	0.169	ppbv	
11) Trichlorofluoromethane	3.954	101	60152m	0.320	ppbv	
13) Ethanol	3.607	45	544851	152.424	ppbv #	100
15) Acetone	3.851	43	2293546	18.637	ppbv	92
19) Isopropyl Alcohol	3.970	45	1857534	32.181	ppbv	99
20) Methylene Chloride	4.350	84	309781	5.973	ppbv	96
26) Hexane	5.690	57	250705	2.057	ppbv #	59
34) 2-Butanone	5.253	43	84953	0.602	ppbv	93
35) Carbon Tetrachloride	7.031	117	14788m	0.078	ppbv	
36) Benzene	6.893	78	76973m	0.365	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	95065m	0.258	ppbv	
52) Tetrachloroethene	11.224	164	82247m	1.000	ppbv	
53) Toluene	9.809	91	201379	0.830	ppbv	97
58) Ethyl Benzene	12.706	91	44578m	0.151	ppbv	
59) m/p-Xylene	12.960	91	122131m	0.471	ppbv	
60) o-Xylene	13.684	91	52610m	0.216	ppbv	
61) Styrene	13.523	104	21302m	0.163	ppbv	
74) 1,2,4-Trimethylbenzene	16.761	105	66115	0.230	ppbv #	58

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

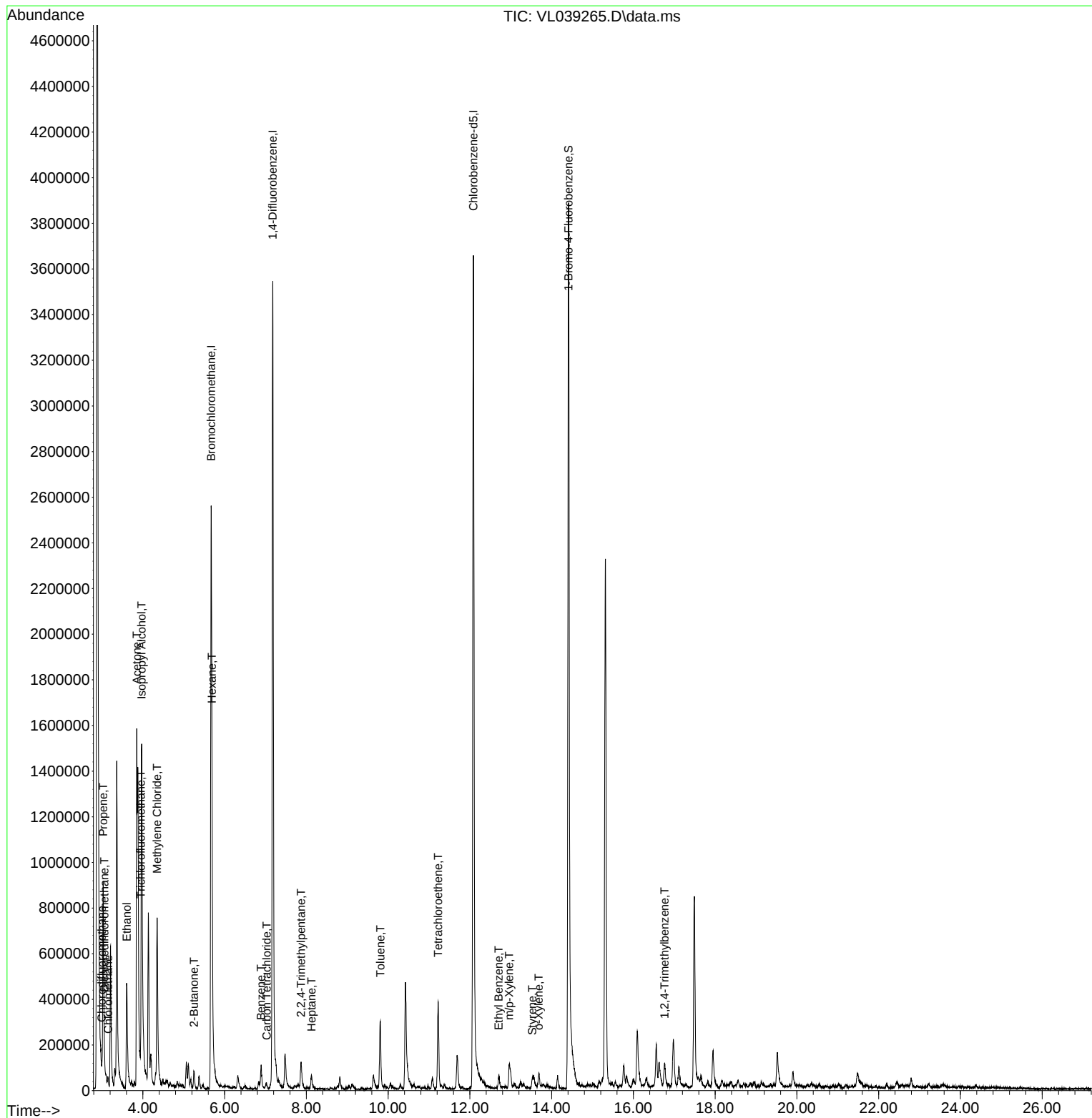
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
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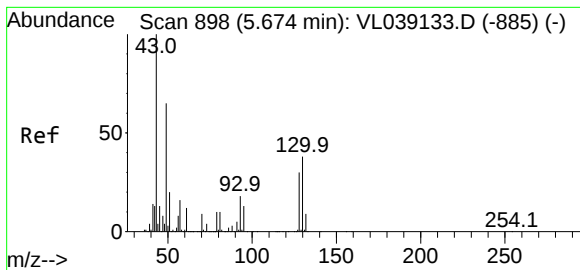
Instrument :
MSVOA_L
ClientSampleId :
A-1

Quant Time: Jun 14 01:35:36 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
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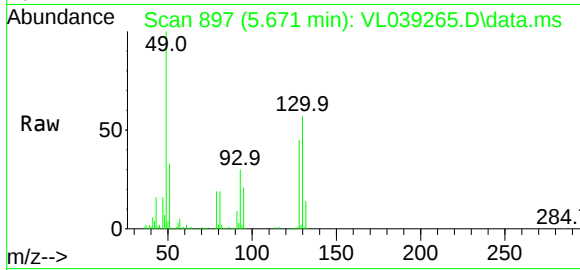
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.671 min Scan# 89
 Delta R.T. -0.003 min
 Lab File: VL039265.D
 Acq: 14 Jun 2022 00:00

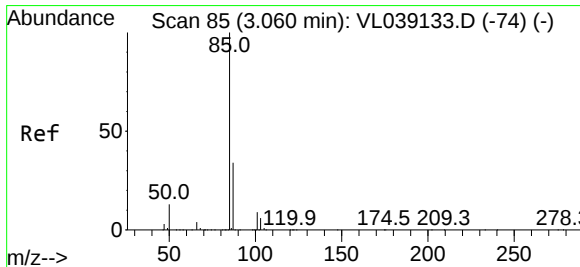
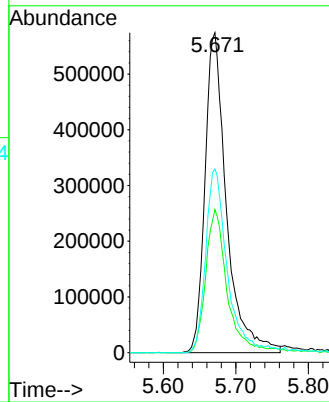
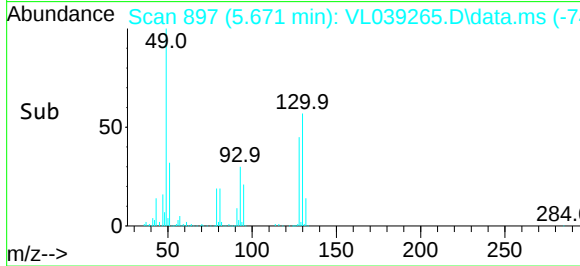
Instrument :
 MSVOA_L
 ClientSampleId :
 A-1



Tgt Ion: 49 Resp: 1181414
 Ion Ratio Lower Upper
 49 100
 128 45.6 24.7 74.1
 130 59.4 31.4 94.0

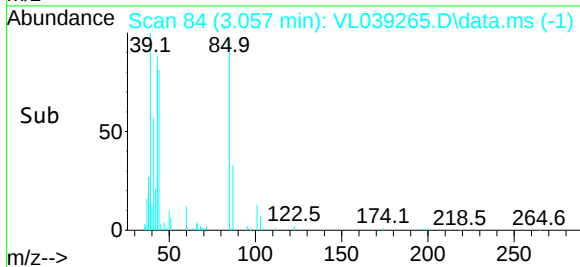
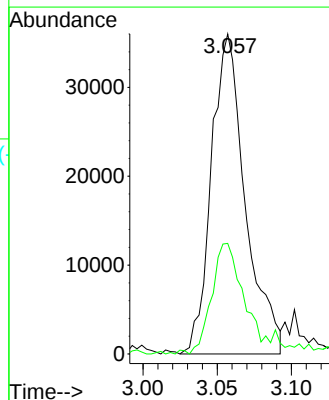
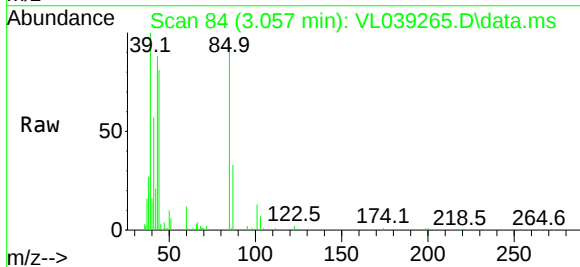
Manual Integrations
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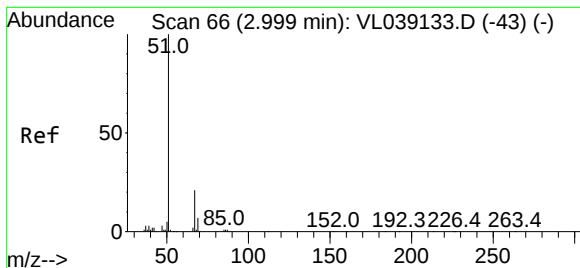
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#2
 Dichlorodifluoromethane
 Concen: 0.276 ppbv
 RT: 3.057 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VL039265.D
 Acq: 14 Jun 2022 00:00

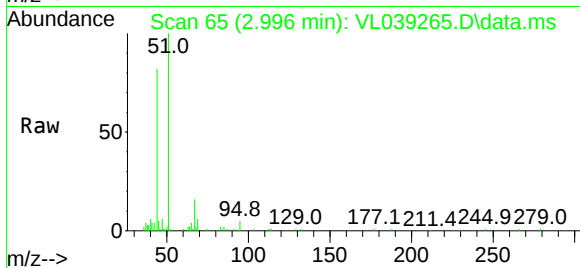
Tgt Ion: 85 Resp: 57295
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.671 ppbv
RT: 2.996 min Scan# 66
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

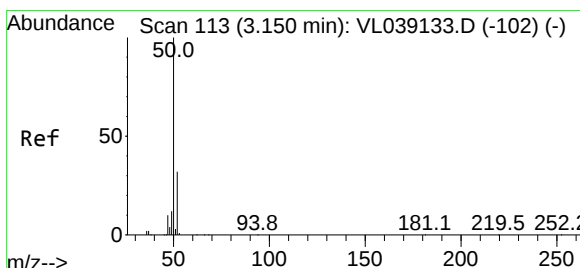
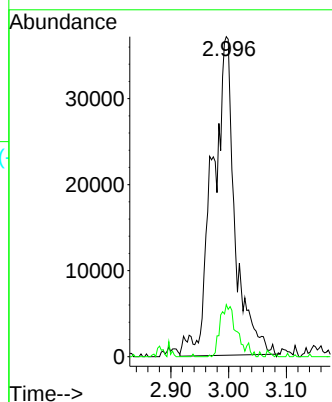
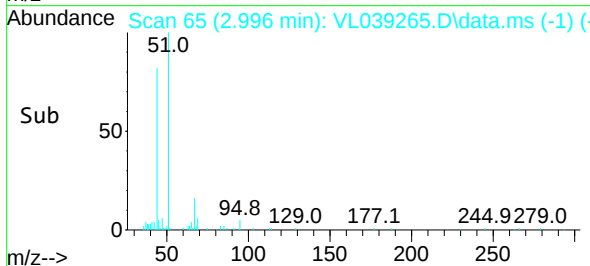
Instrument :
MSVOA_L
ClientSampleId :
A-1



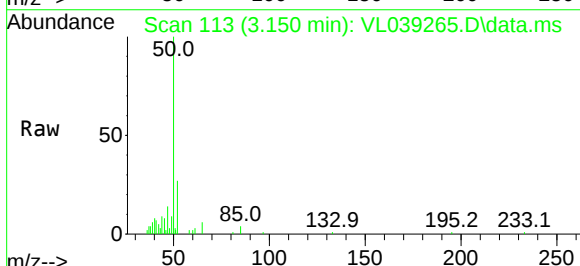
Tgt Ion: 51 Resp: 100808
Ion Ratio Lower Upper
51 100
67 12.0 16.2 24.4

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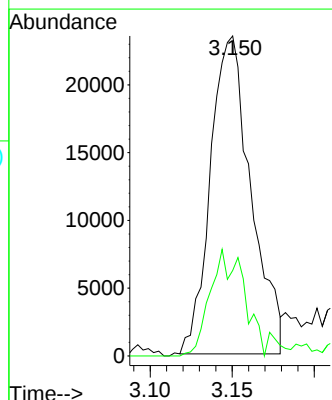
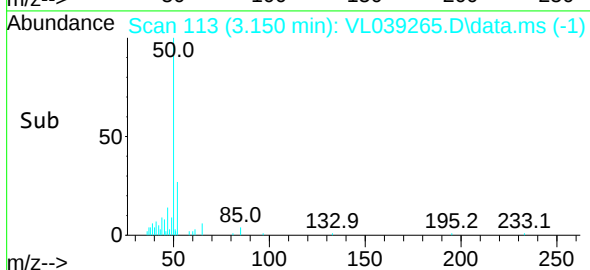
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

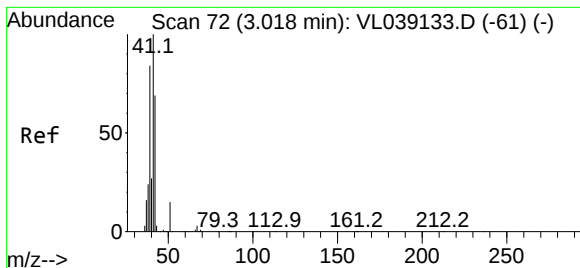


#4
Chloromethane
Concen: 0.522 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.000 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00



Tgt Ion: 50 Resp: 40324
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9





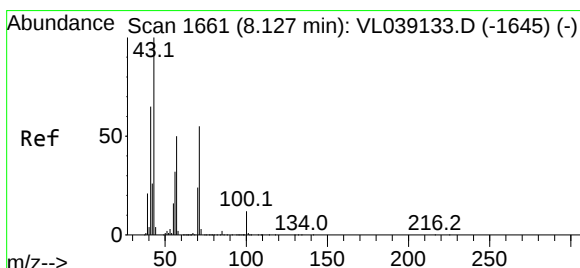
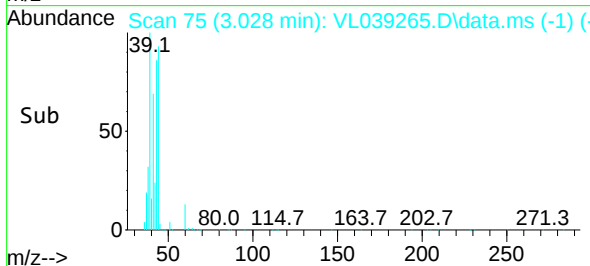
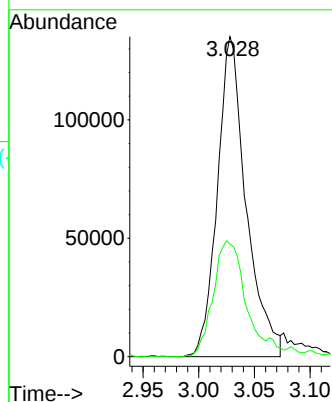
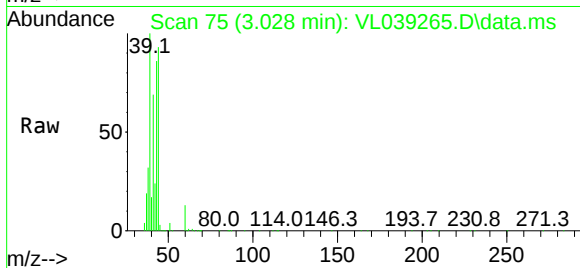
#9
 Propene
 Concen: 3.704 ppbv
 RT: 3.028 min Scan# 72
 Delta R.T. 0.010 min
 Lab File: VL039265.D
 Acq: 14 Jun 2022 00:00

Instrument :
 MSVOA_L
 Client Sample Id :
 A-1

Tgt Ion: 41 Resp: 242750
 Ion Ratio Lower Upper
 41 100
 42 44.3 55.4 83.2

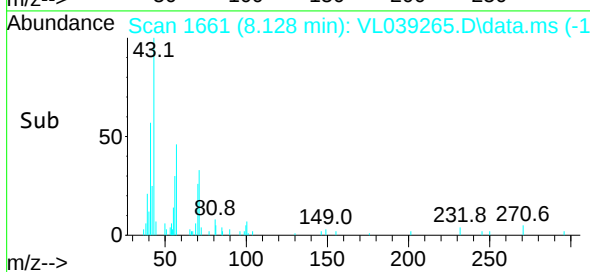
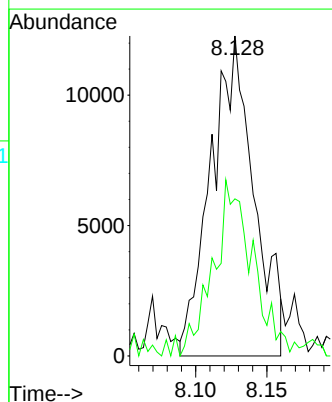
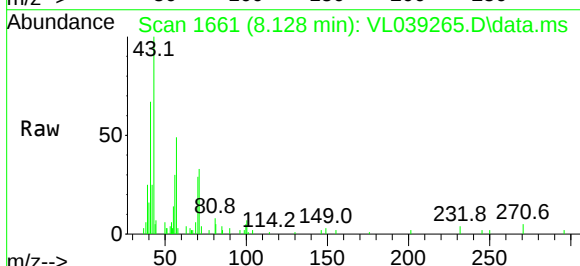
Manual Integrations
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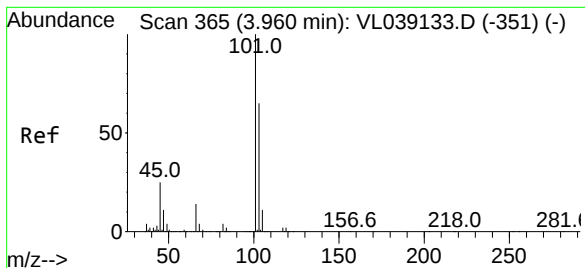
Reviewed By :Semsettin Yesilyurt 06/14/2022
 Supervised By :Mahesh Dadoda 06/16/2022



#10
 Heptane
 Concen: 0.169 ppbv m
 RT: 8.128 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: VL039265.D
 Acq: 14 Jun 2022 00:00

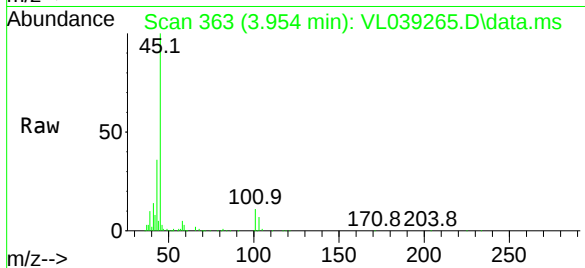
Tgt Ion: 43 Resp: 25852
 Ion Ratio Lower Upper
 43 100
 57 53.5 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.320 ppbv m
RT: 3.954 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

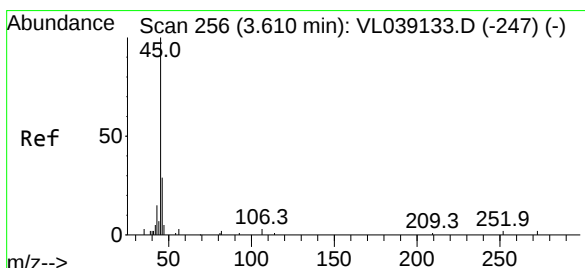
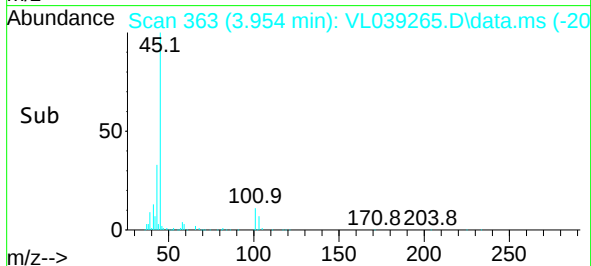
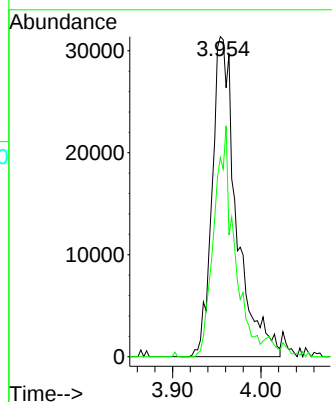
Instrument :
MSVOA_L
ClientSampleId :
A-1



Tgt Ion:101 Resp: 60152
Ion Ratio Lower Upper
101 100
103 62.2 51.7 77.5

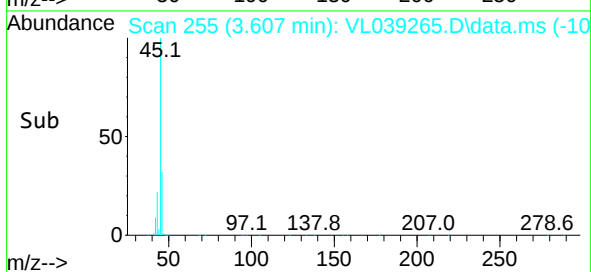
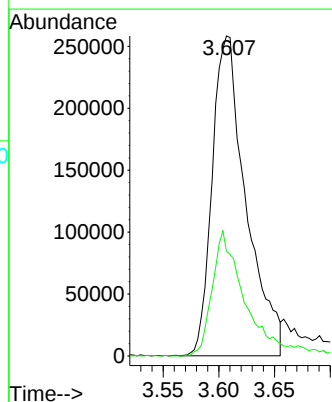
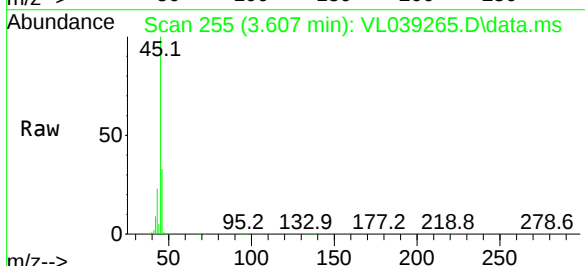
Manual Integrations
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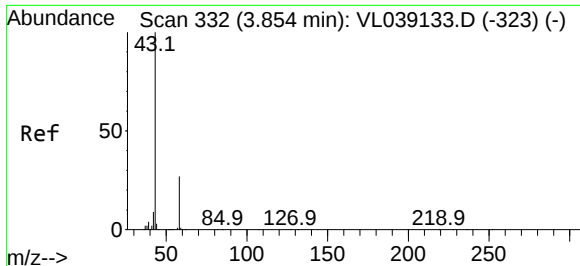
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#13
Ethanol
Concen: 152.424 ppbv
RT: 3.607 min Scan# 255
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

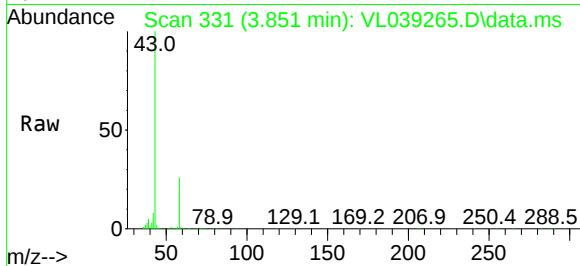
Tgt Ion: 45 Resp: 544851
Ion Ratio Lower Upper
45 100
46 40.2 0.0 0.0#





#15
Acetone
Concen: 18.637 ppbv
RT: 3.851 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

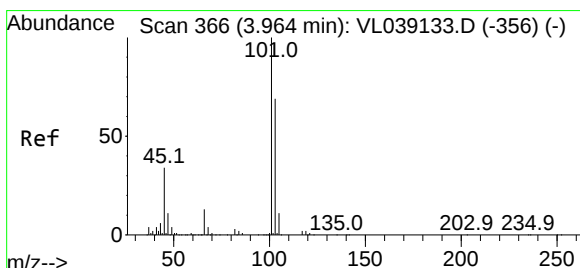
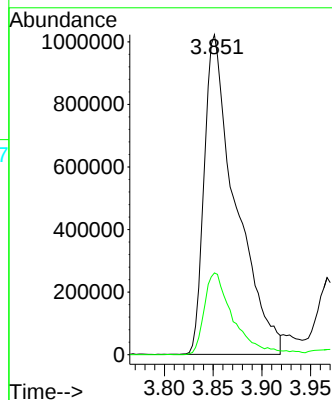
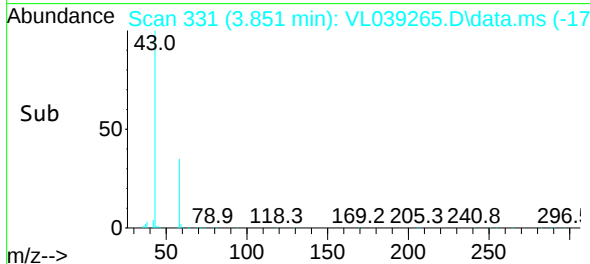
Instrument :
MSVOA_L
ClientSampleId :
A-1



Tgt Ion: 43 Resp: 2293540
Ion Ratio Lower Upper
43 100
58 23.9 22.5 33.7

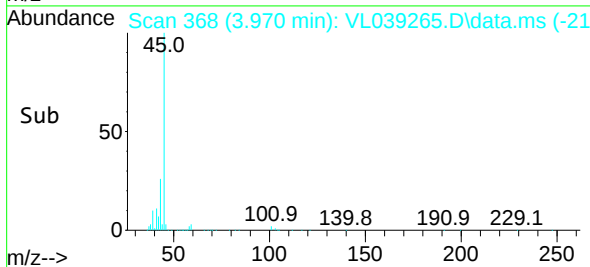
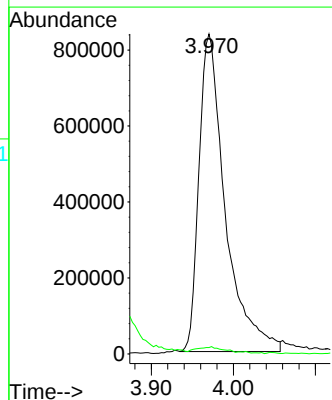
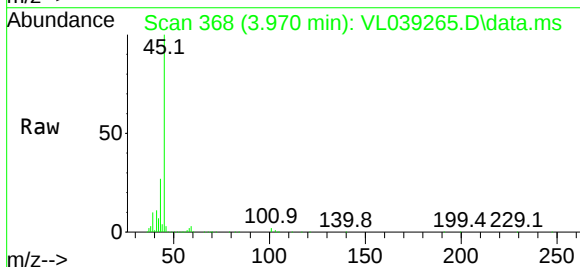
Manual Integrations
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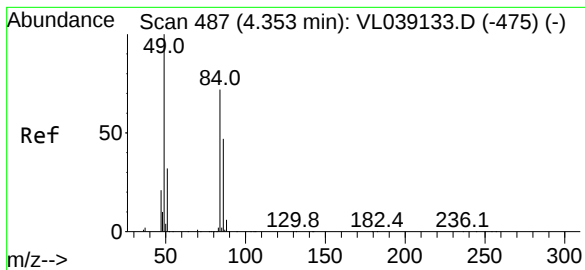
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#19
Isopropyl Alcohol
Concen: 32.181 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.007 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

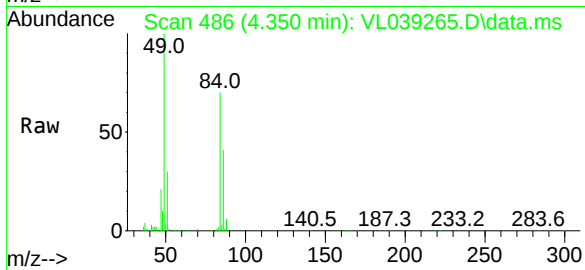
Tgt Ion: 45 Resp: 1857534
Ion Ratio Lower Upper
45 100
58 2.8 1.8 2.8





#20
Methylene Chloride
Concen: 5.973 ppbv
RT: 4.350 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

Instrument :
MSVOA_L
ClientSampleId :
A-1

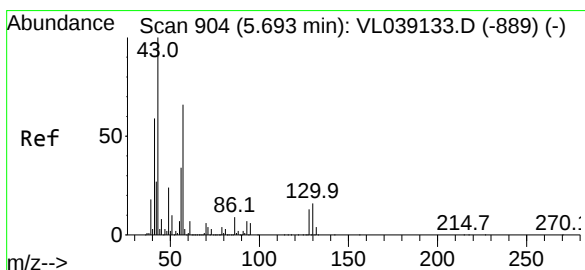
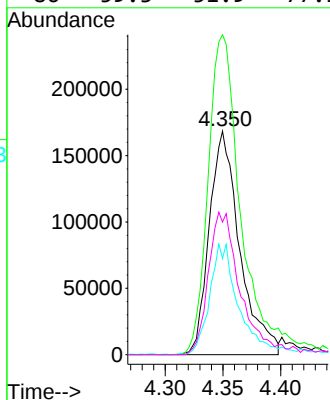
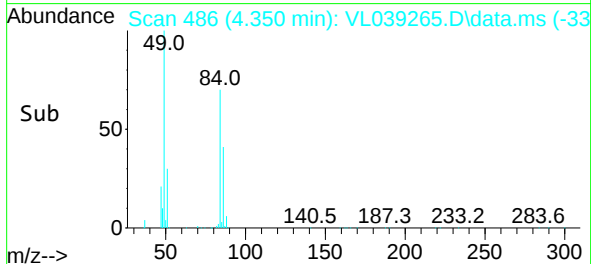


Tgt Ion: 84 Resp: 30978

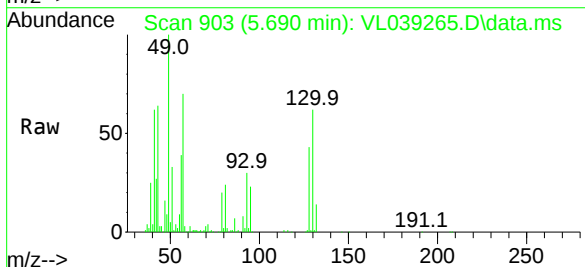
Ion	Ratio	Lower	Upper
84	100		
49	143.2	111.1	166.7
51	42.7	35.3	52.9
86	59.3	51.9	77.9

Manual Integrations
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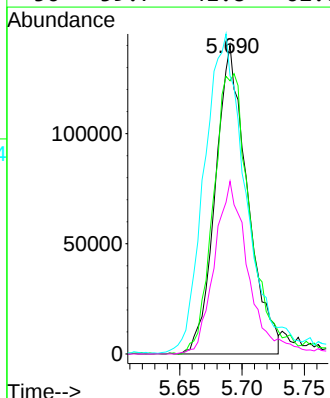
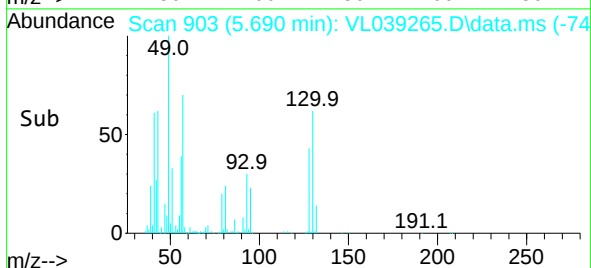


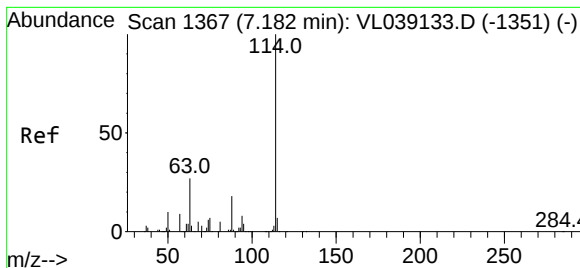
#26
Hexane
Concen: 2.057 ppbv
RT: 5.690 min Scan# 903
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00



Tgt Ion: 57 Resp: 250705

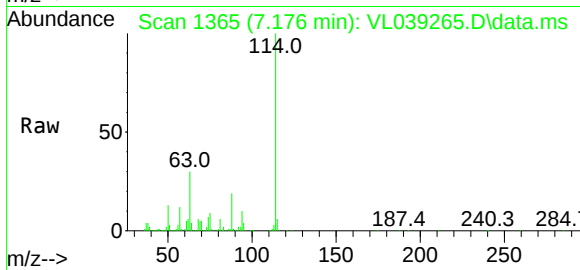
Ion	Ratio	Lower	Upper
57	100		
41	108.5	72.4	108.6
43	138.8	187.0	280.6#
56	59.7	41.8	62.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 114
Delta R.T. -0.006 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

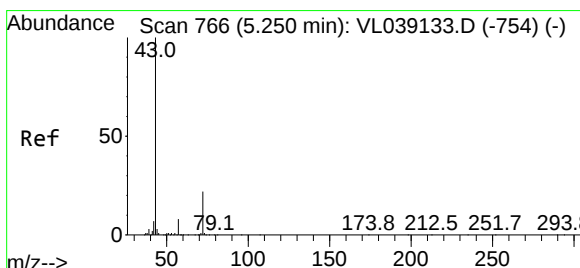
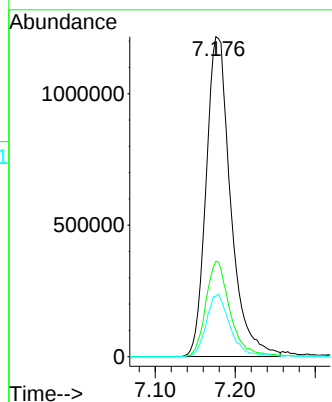
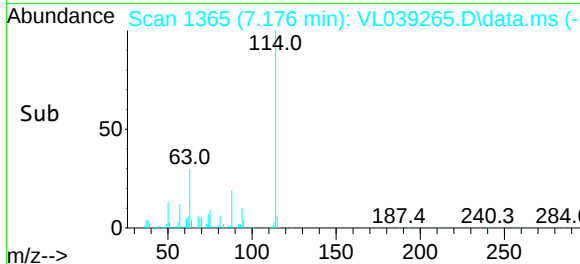
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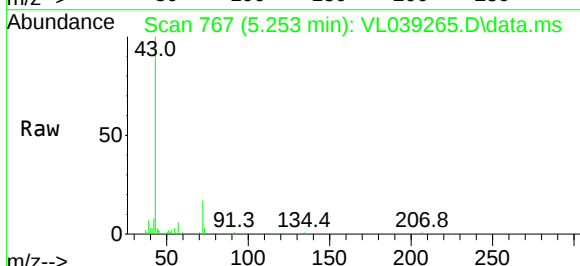
Tgt Ion:114 Resp: 2595809
Ion Ratio Lower Upper
114 100
63 30.0 21.7 32.5
88 19.2 14.8 22.2

Manual Integrations
APPROVED

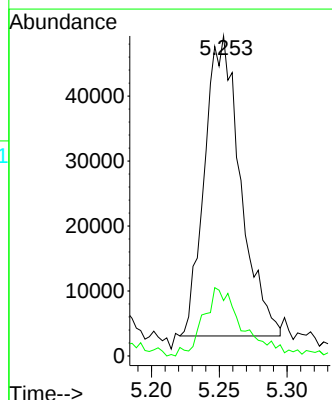
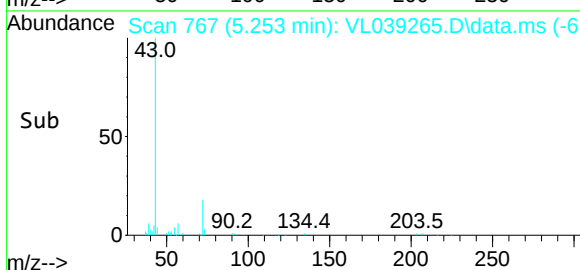
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

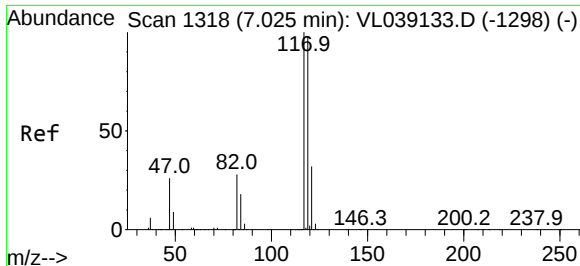


#34
2-Butanone
Concen: 0.602 ppbv
RT: 5.253 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00



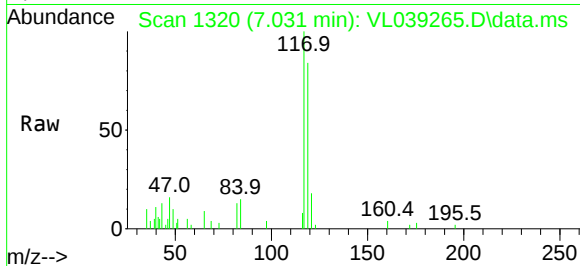
Tgt Ion: 43 Resp: 84953
Ion Ratio Lower Upper
43 100
72 25.9 18.2 27.2





#35
Carbon Tetrachloride
Concen: 0.078 ppbv m
RT: 7.031 min Scan# 117
Delta R.T. 0.007 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

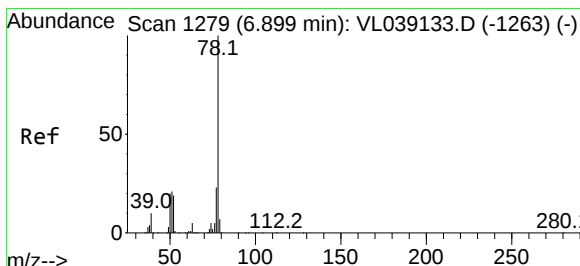
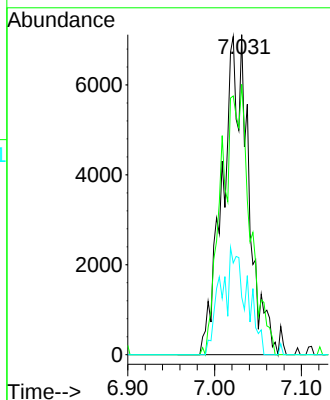
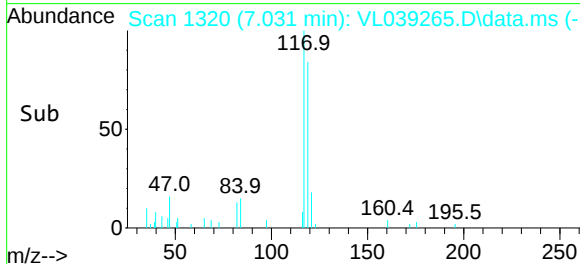
Instrument :
MSVOA_L
ClientSampleId :
A-1



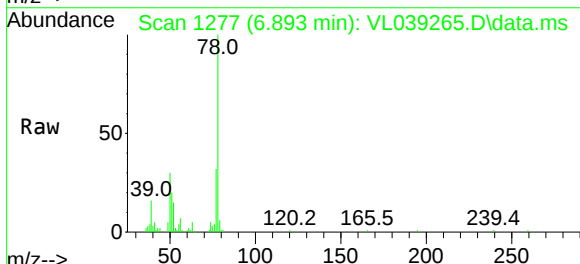
Tgt Ion: 117 Resp: 1478
Ion Ratio Lower Upper
117 100
119 84.5 78.6 118.0
121 18.0 25.4 38.0

Manual Integrations
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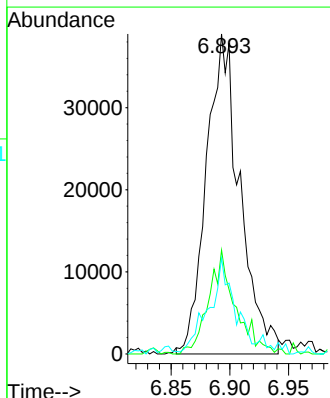
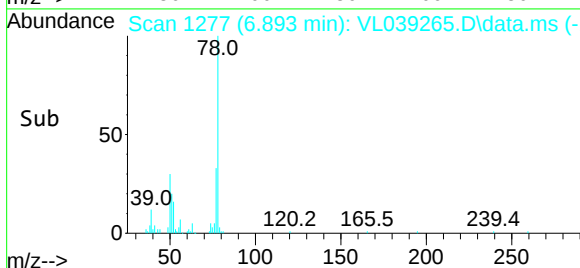
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

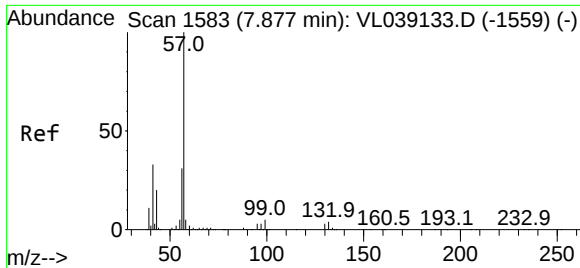


#36
Benzene
Concen: 0.365 ppbv m
RT: 6.893 min Scan# 1277
Delta R.T. -0.006 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00



Tgt Ion: 78 Resp: 76973
Ion Ratio Lower Upper
78 100
77 32.4 18.6 27.8#
50 30.0 15.8 23.8#





#44

2,2,4-Trimethylpentane

Concen: 0.258 ppbv m

RT: 7.870 min Scan# 1583

Delta R.T. -0.006 min

Lab File: VL039265.D

Acq: 14 Jun 2022 00:00

Instrument :

MSVOA_L

ClientSampleId :

A-1

Tgt Ion: 57 Resp: 9506

Ion Ratio Lower Upper

57 100

41 47.6 26.2 39.4

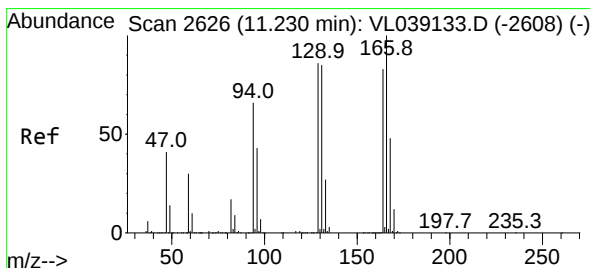
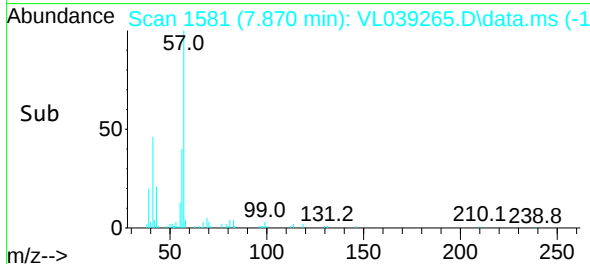
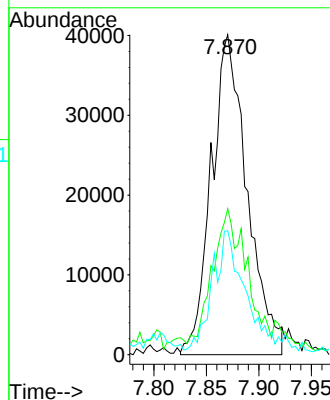
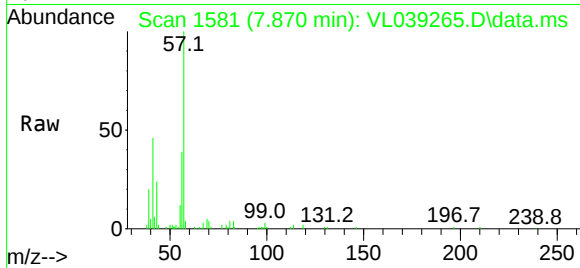
56 35.6 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#52

Tetrachloroethene

Concen: 1.000 ppbv m

RT: 11.224 min Scan# 2624

Delta R.T. -0.006 min

Lab File: VL039265.D

Acq: 14 Jun 2022 00:00

Tgt Ion:164 Resp: 82247

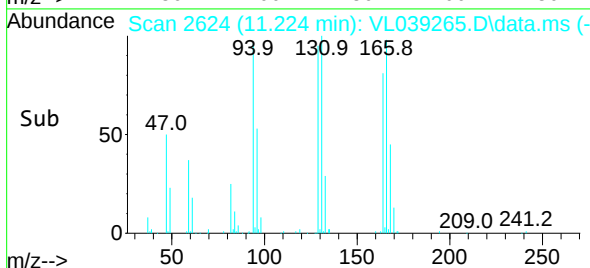
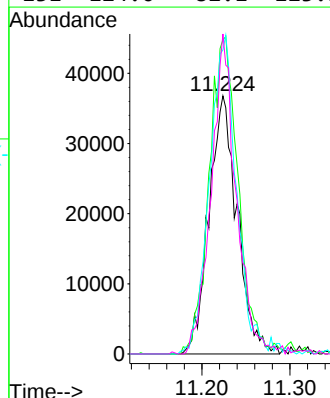
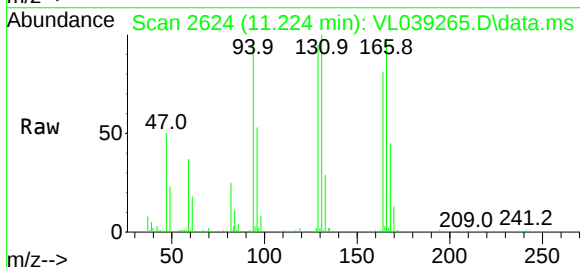
Ion Ratio Lower Upper

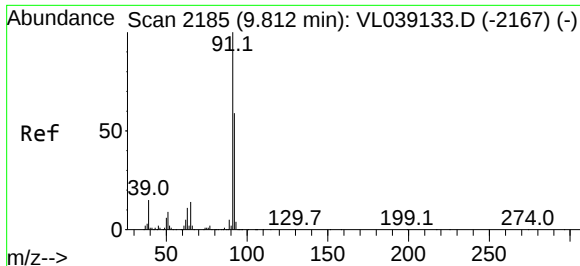
164 100

166 121.7 96.3 144.5

129 117.8 82.5 123.7

131 124.0 82.1 123.1





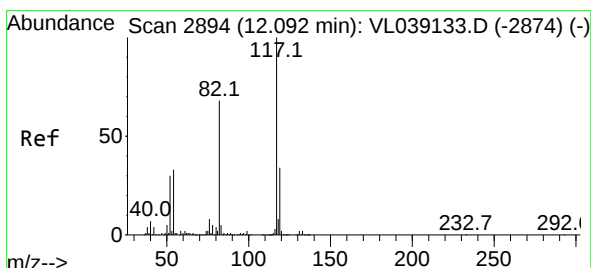
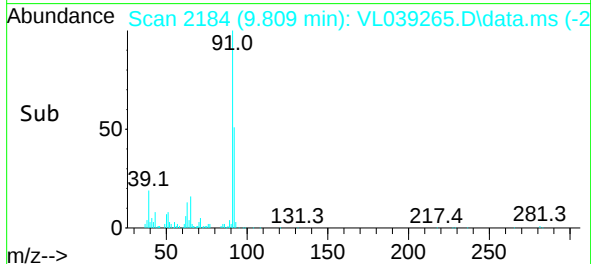
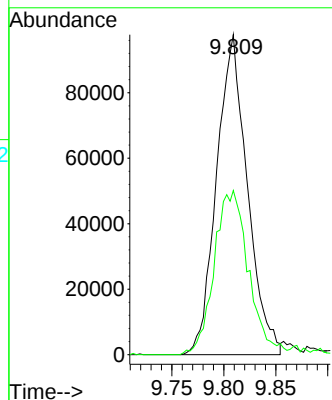
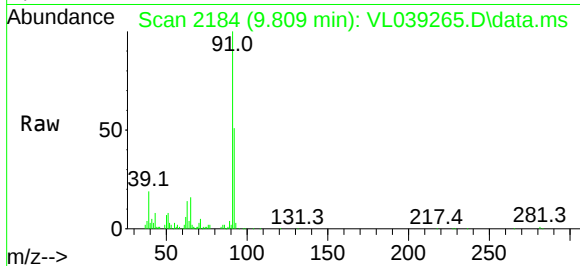
#53
Toluene
Concen: 0.830 ppbv
RT: 9.809 min Scan# 2185
Delta R.T. -0.003 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 91 Resp: 201379
Ion Ratio Lower Upper
91 100
92 58.1 48.1 72.1

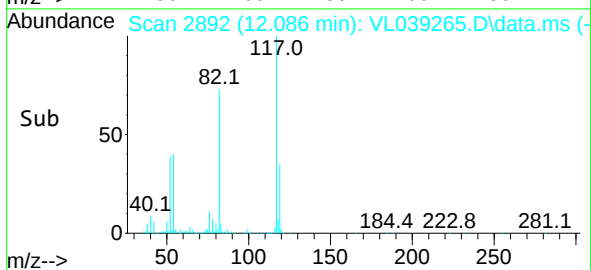
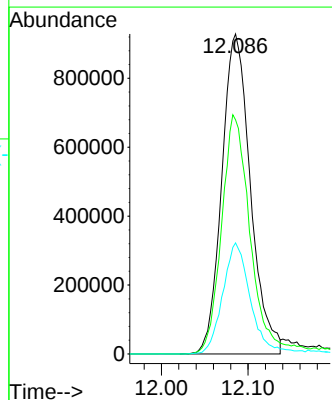
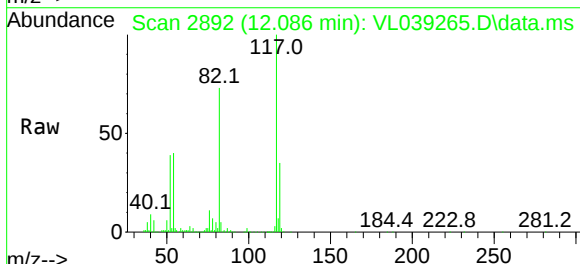
Manual Integrations
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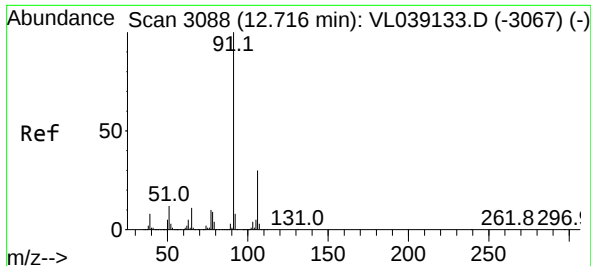
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.086 min Scan# 2892
Delta R.T. -0.006 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

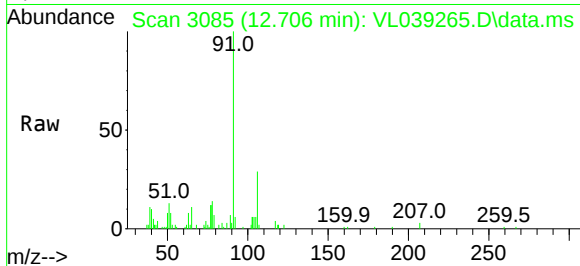
Tgt Ion:117 Resp: 2136753
Ion Ratio Lower Upper
117 100
82 77.1 55.1 82.7
119 34.8 24.7 37.1





#58
Ethyl Benzene
Concen: 0.151 ppbv m
RT: 12.706 min Scan# 3088
Delta R.T. -0.010 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

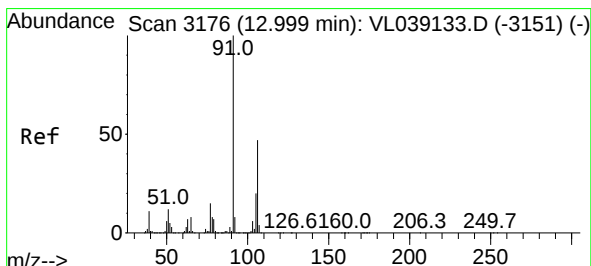
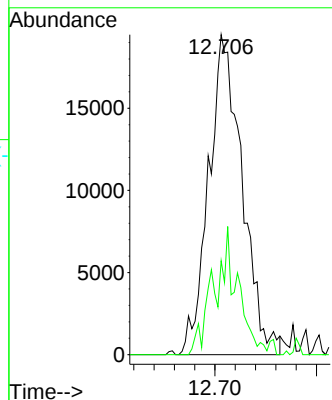
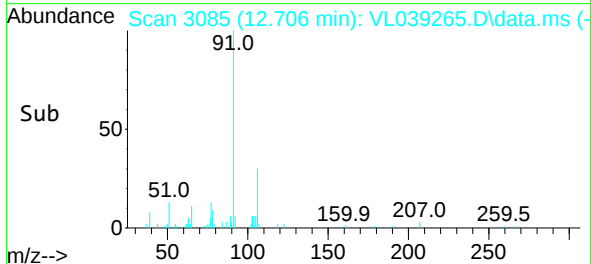
Instrument :
MSVOA_L
ClientSampleId :
A-1



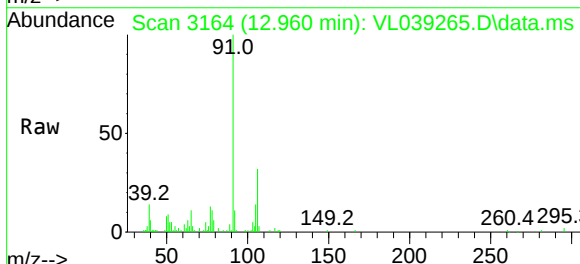
Tgt Ion: 91 Resp: 44578
Ion Ratio Lower Upper
91 100
106 29.4 24.2 36.4

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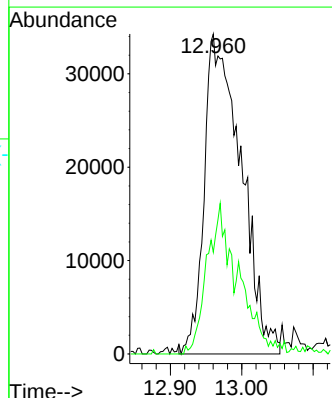
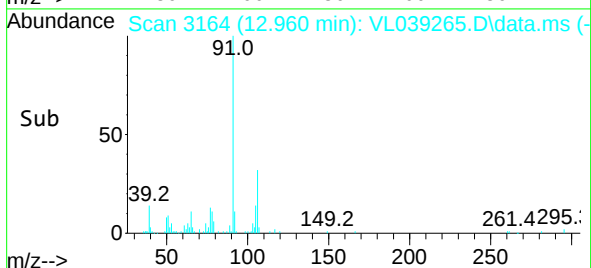
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022

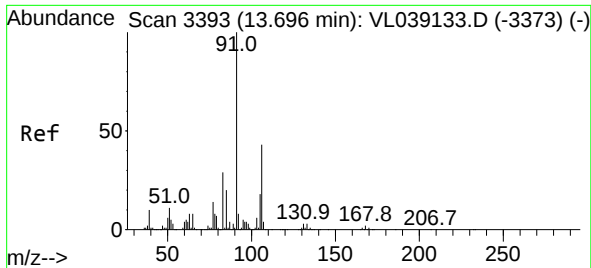


#59
m/p-Xylene
Concen: 0.471 ppbv m
RT: 12.960 min Scan# 3164
Delta R.T. -0.038 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00



Tgt Ion: 91 Resp: 122131
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5





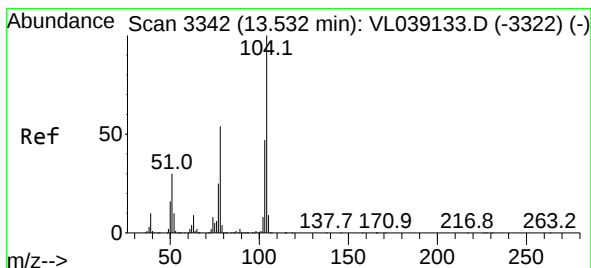
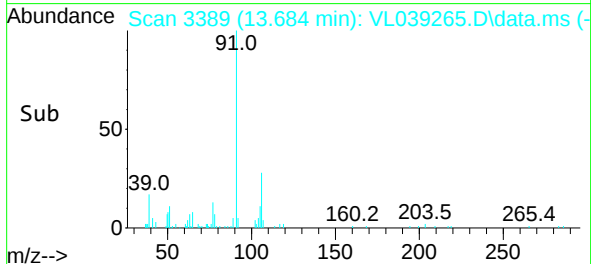
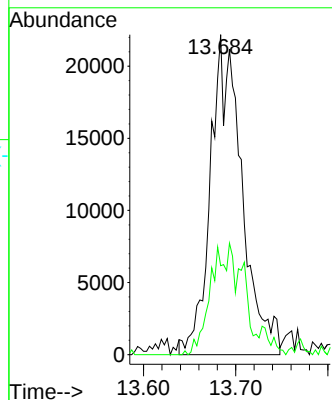
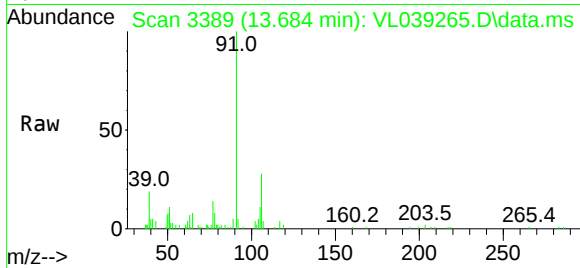
#60
o-Xylene
Concen: 0.216 ppbv m
RT: 13.684 min Scan# 3389
Delta R.T. -0.013 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 91 Resp: 52610
Ion Ratio Lower Upper
91 100
106 38.0 22.3 66.9

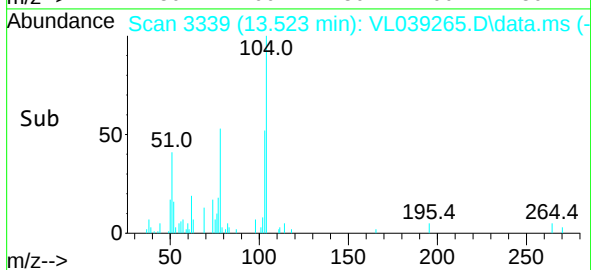
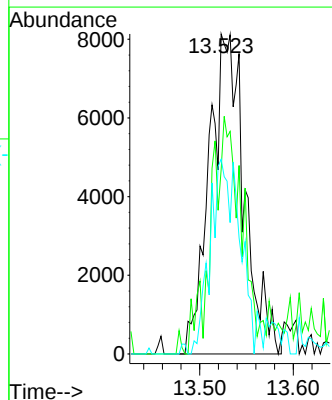
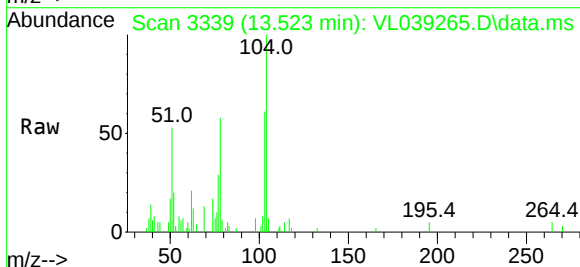
Manual Integrations
APPROVED

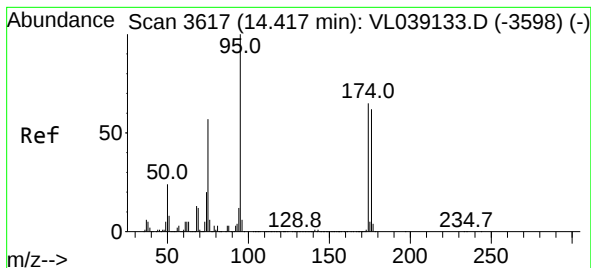
Reviewed By :Semsettin Yesilyurt 06/14/2022
Supervised By :Mahesh Dadoda 06/16/2022



#61
Styrene
Concen: 0.163 ppbv m
RT: 13.523 min Scan# 3339
Delta R.T. -0.010 min
Lab File: VL039265.D
Acq: 14 Jun 2022 00:00

Tgt Ion:104 Resp: 21302
Ion Ratio Lower Upper
104 100
78 73.6 45.7 68.5#
103 59.1 39.6 59.4





#68

1-Bromo-4-Fluorobenzene

Concen: 11.016 ppbv

RT: 14.413 min Scan# 3616

Delta R.T. -0.003 min

Lab File: VL039265.D

Acq: 14 Jun 2022 00:00

Instrument :

MSVOA_L

ClientSampleId :

A-1

Tgt Ion: 95 Resp: 1946034

Ion Ratio Lower Upper

95 100

174 61.3 53.8 80.8

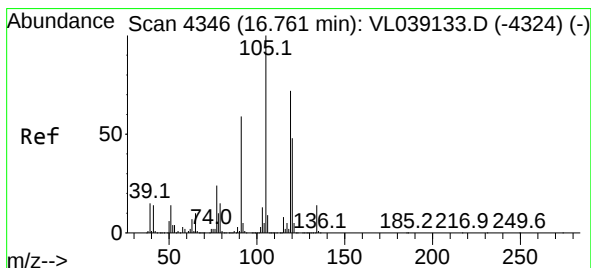
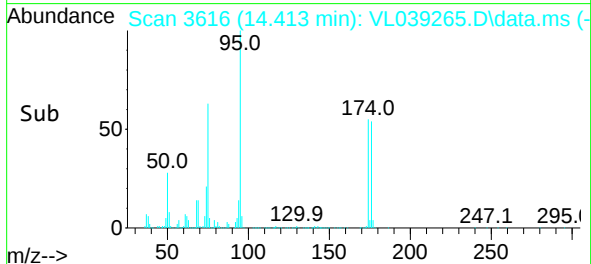
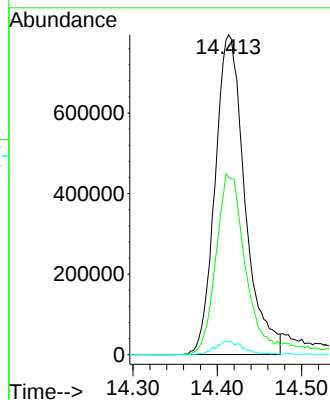
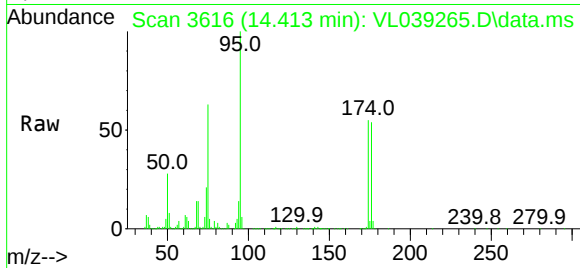
175 4.4 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2022

Supervised By :Mahesh Dadoda 06/16/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.230 ppbv

RT: 16.761 min Scan# 4346

Delta R.T. 0.000 min

Lab File: VL039265.D

Acq: 14 Jun 2022 00:00

Tgt Ion:105 Resp: 66115

Ion Ratio Lower Upper

105 100

120 33.7 38.1 57.1#

91 8.5 47.4 71.0#

77 14.4 19.5 29.3#

