

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
 Data File : VL039312.D
 Acq On : 16 Jun 2022 2:03
 Operator : SY/AP
 Sample : N3338-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
 Supervised By :Mahesh Dadoda 06/17/2022

Quant Time: Jun 16 04:39:39 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022

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	5.652	49	1167062	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	3244834	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	2818102	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.394	95	2252816	9.669	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	46340	0.226	ppbv	98
3) Chlorodifluoromethane	2.986	51	99928	0.673	ppbv #	81
4) Chloromethane	3.134	50	36017	0.472	ppbv	91
9) Propene	3.012	41	64512	0.996	ppbv #	81
10) Heptane	8.111	43	28584m	0.189	ppbv	
11) Trichlorofluoromethane	3.948	101	46144m	0.249	ppbv	
13) Ethanol	3.591	45	336624	95.330	ppbv #	100
15) Acetone	3.838	43	1098250m	9.034	ppbv	
19) Isopropyl Alcohol	3.957	45	131632	2.309	ppbv #	1
20) Methylene Chloride	4.337	84	191270	3.733	ppbv	91
26) Hexane	5.674	57	246997	2.051	ppbv #	42
30) Cyclohexane	7.121	84	16360m	0.162	ppbv	
34) 2-Butanone	5.237	43	71657	0.406	ppbv	93
35) Carbon Tetrachloride	6.999	117	10934m	0.046	ppbv	
36) Benzene	6.874	78	99733	0.379	ppbv #	92
44) 2,2,4-Trimethylpentane	7.857	57	107956	0.234	ppbv #	76
52) Tetrachloroethene	11.198	164	6749m	0.066	ppbv	
53) Toluene	9.790	91	261357	0.862	ppbv	98
58) Ethyl Benzene	12.693	91	42072m	0.108	ppbv	
59) m/p-Xylene	12.941	91	114329m	0.334	ppbv	
60) o-Xylene	13.667	91	44176m	0.138	ppbv	
74) 1,2,4-Trimethylbenzene	16.744	105	46464m	0.123	ppbv	

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

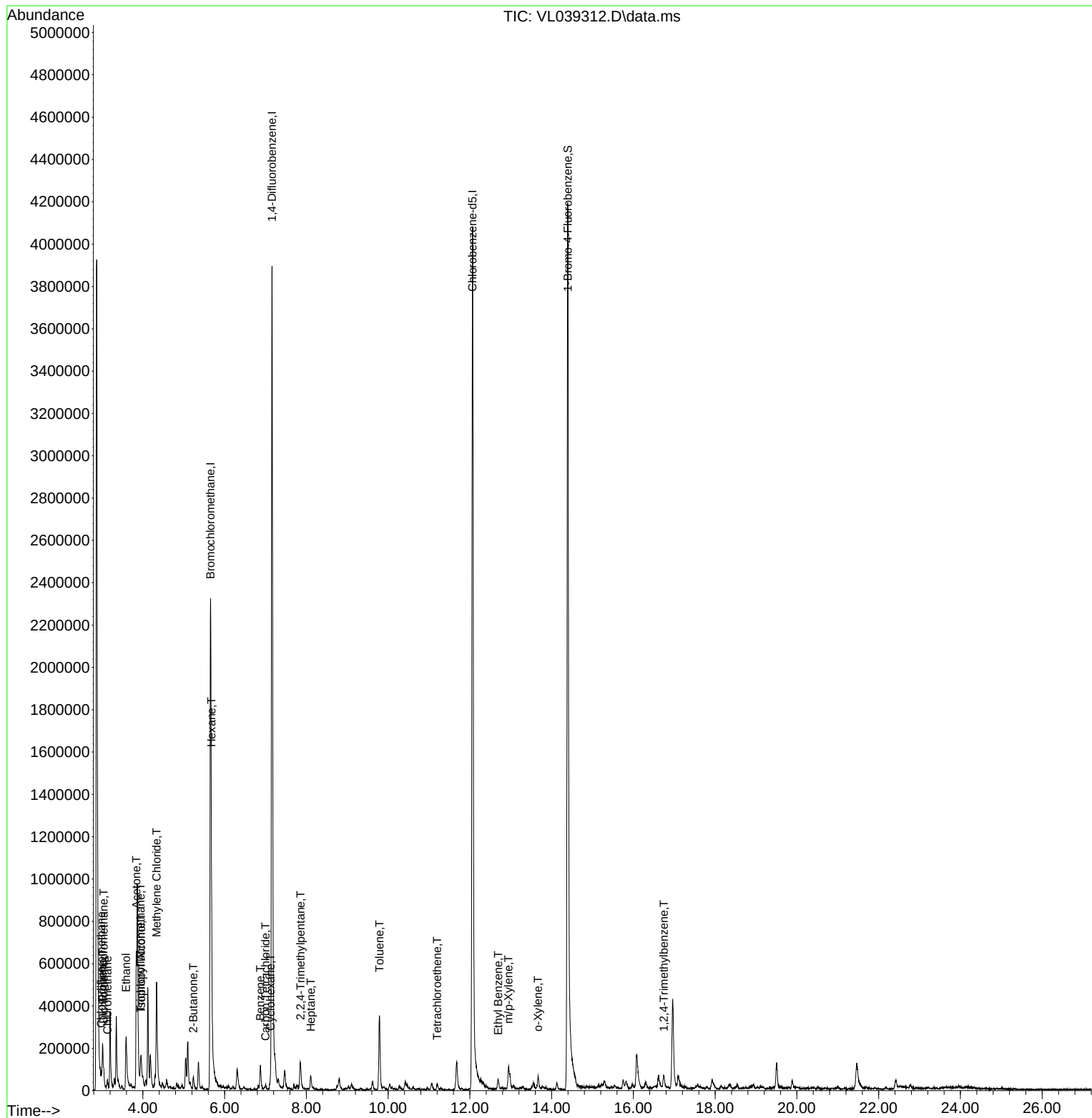
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061522\
Data File : VL039312.D
Acq On : 16 Jun 2022 2:03
Operator : SY/AP
Sample : N3338-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

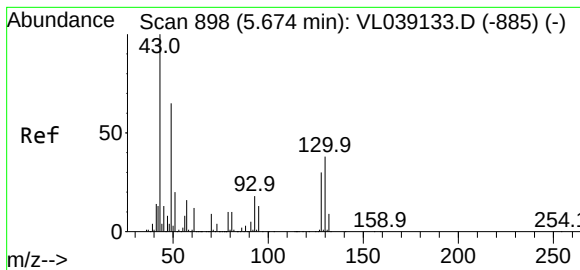
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 16 04:39:39 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
APPROVED

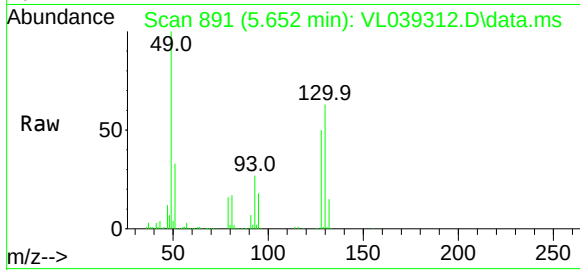
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.022 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

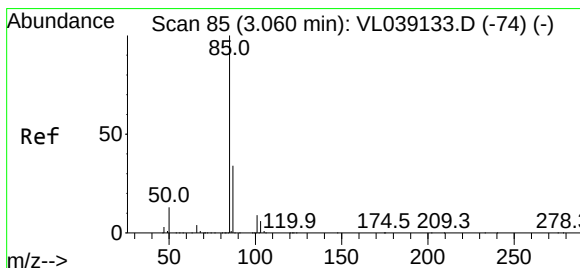
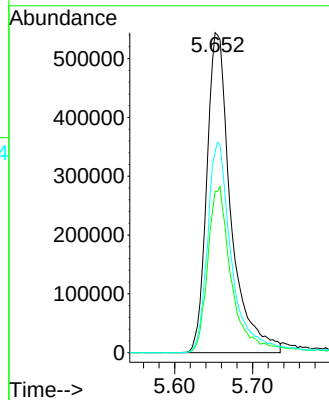
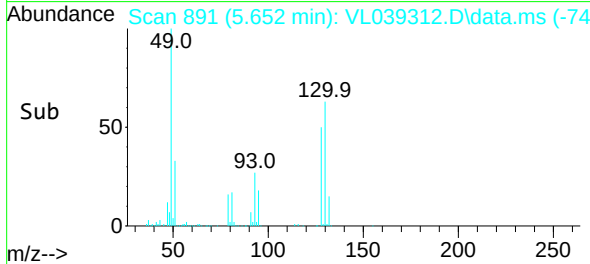
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 49 Resp: 1167062
Ion Ratio Lower Upper
49 100
128 52.5 24.7 74.1
130 67.7 31.4 94.0

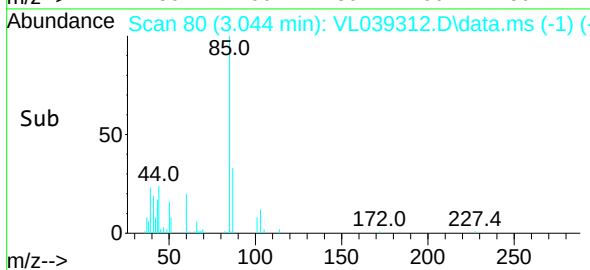
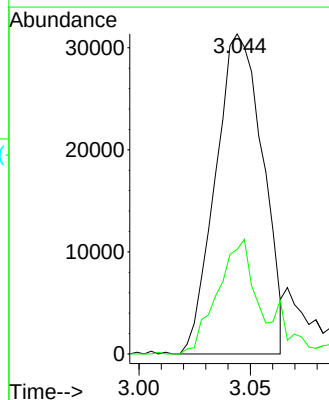
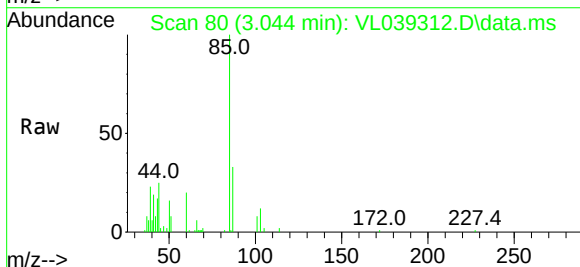
Manual Integrations
APPROVED

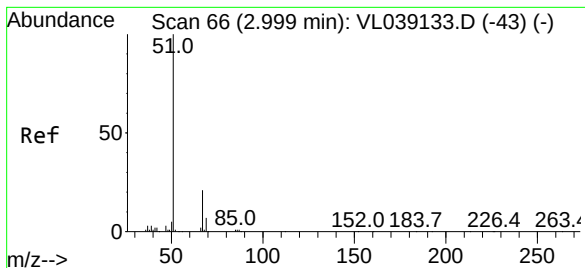
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#2
Dichlorodifluoromethane
Concen: 0.226 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 85 Resp: 46340
Ion Ratio Lower Upper
85 100
87 32.7 26.9 40.3





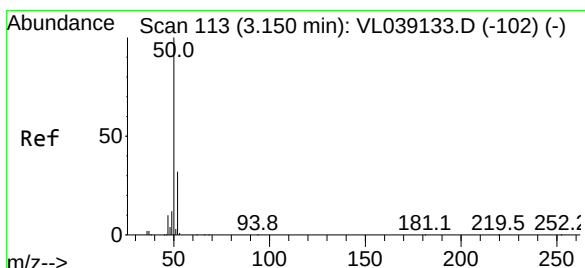
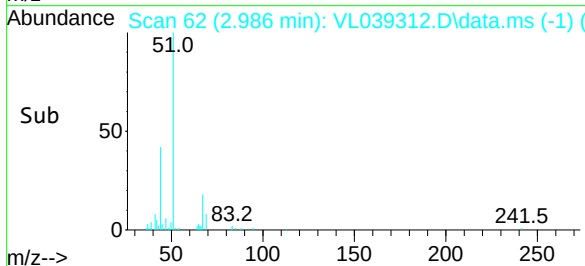
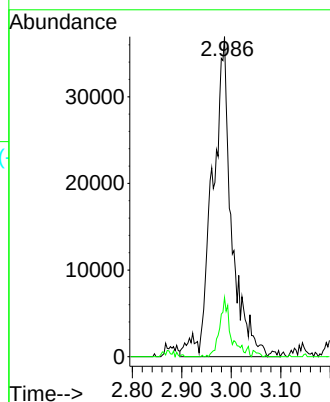
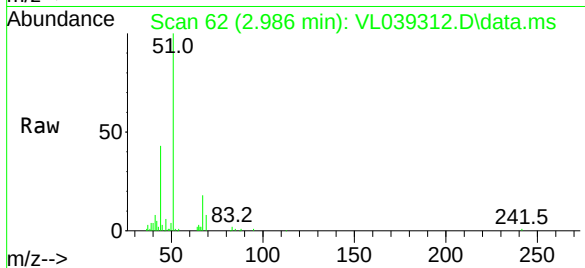
#3
Chlorodifluoromethane
Concen: 0.673 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 99928
Ion Ratio Lower Upper
51 100
67 11.5 16.2 24.4

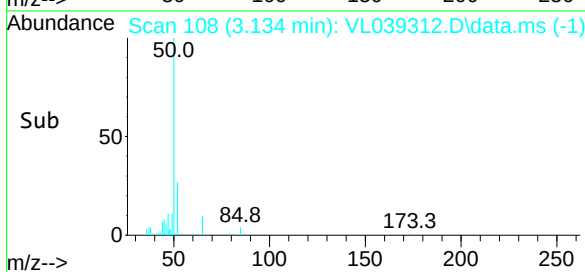
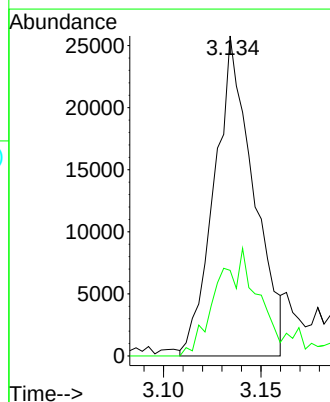
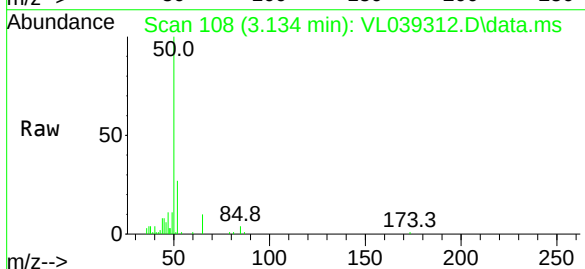
Manual Integrations
APPROVED

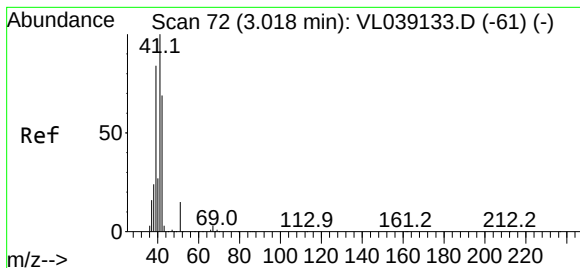
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#4
Chloromethane
Concen: 0.472 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 50 Resp: 36017
Ion Ratio Lower Upper
50 100
52 27.2 25.9 38.9





#9

Propene

Concen: 0.996 ppbv

RT: 3.012 min Scan# 70

Delta R.T. -0.006 min

Lab File: VL039312.D

Acq: 16 Jun 2022 2:03

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 41 Resp: 6451

Ion Ratio Lower Upper

41 100

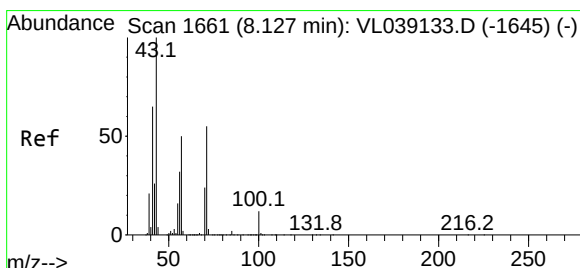
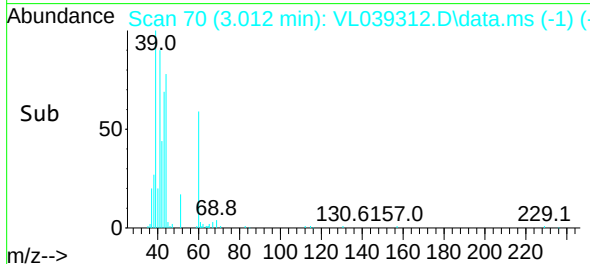
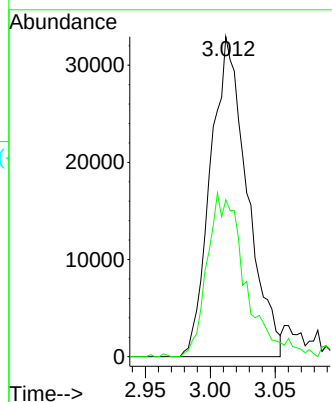
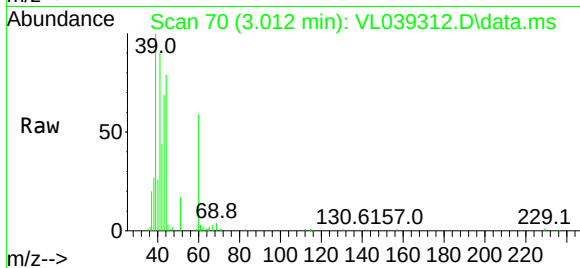
42 53.7 55.4 83.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022

Supervised By :Mahesh Dadoda 06/17/2022



#10

Heptane

Concen: 0.189 ppbv m

RT: 8.111 min Scan# 1656

Delta R.T. -0.016 min

Lab File: VL039312.D

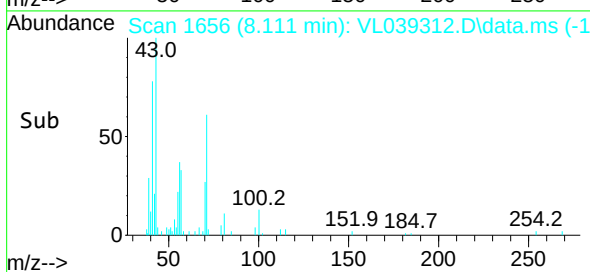
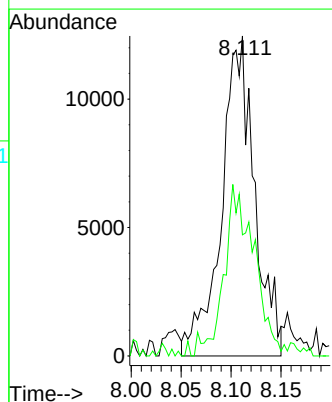
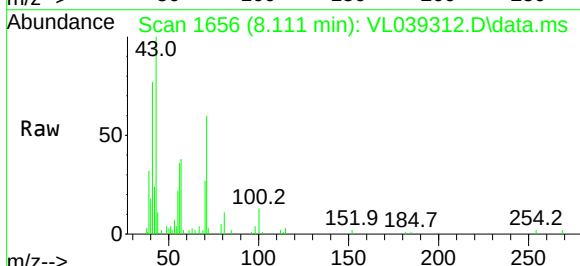
Acq: 16 Jun 2022 2:03

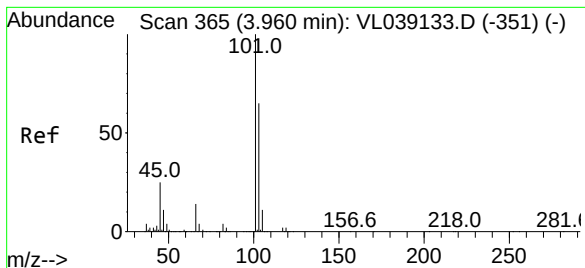
Tgt Ion: 43 Resp: 28584

Ion Ratio Lower Upper

43 100

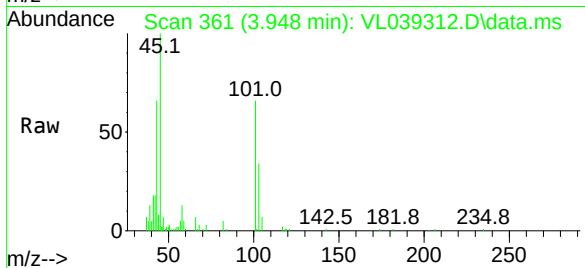
57 50.5 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.249 ppbv m
RT: 3.948 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

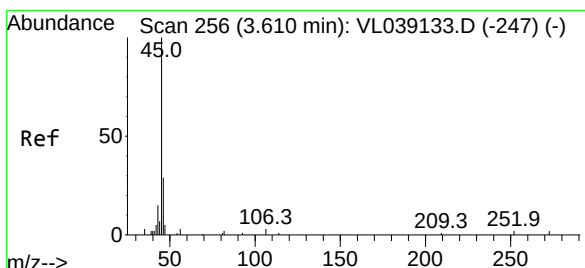
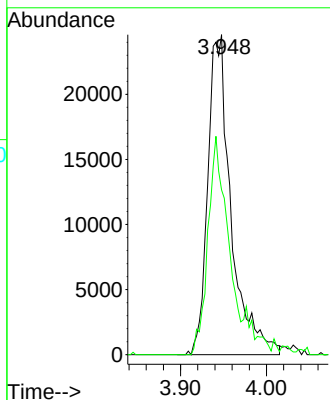
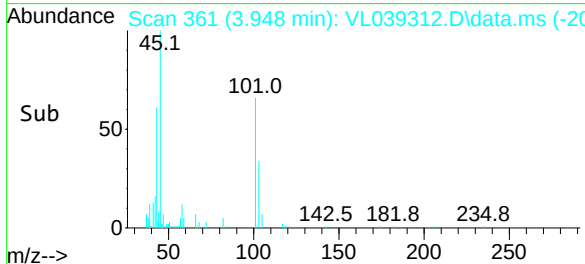
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 46144
Ion Ratio Lower Upper
101 100
103 51.5 51.7 77.5

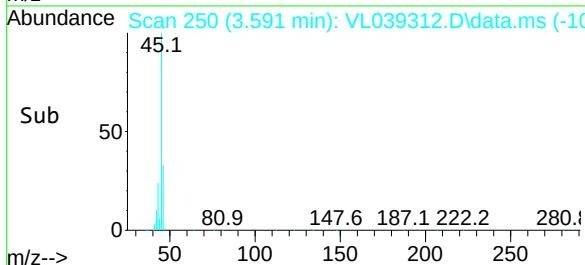
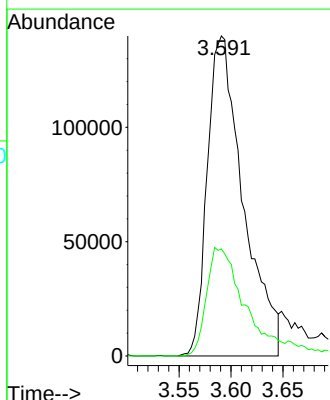
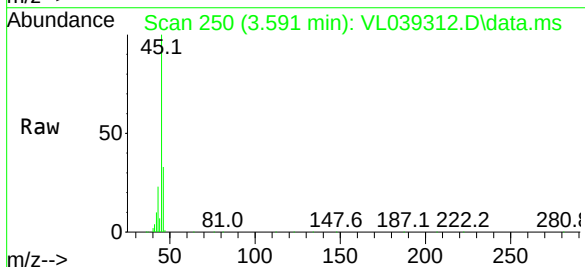
Manual Integrations
APPROVED

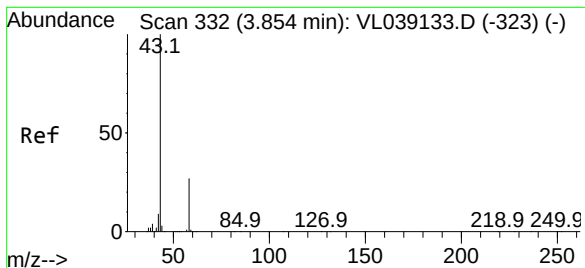
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#13
Ethanol
Concen: 95.330 ppbv
RT: 3.591 min Scan# 250
Delta R.T. -0.019 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

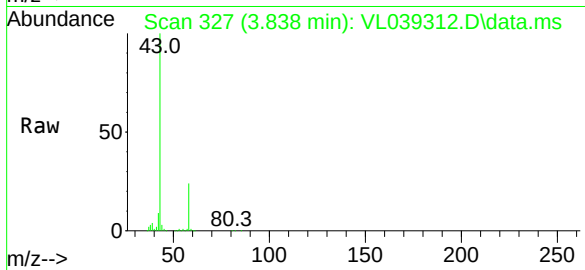
Tgt Ion: 45 Resp: 336624
Ion Ratio Lower Upper
45 100
46 39.8 0.0 0.0





#15
Acetone
Concen: 9.034 ppbv m
RT: 3.838 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

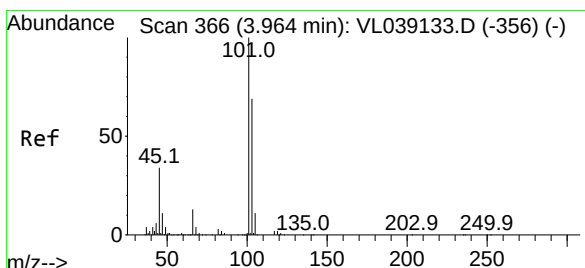
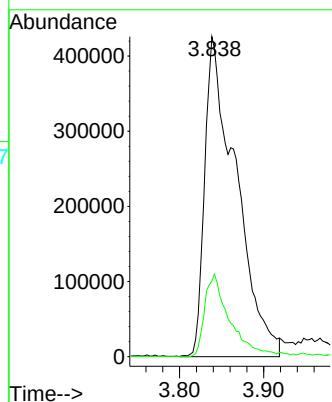
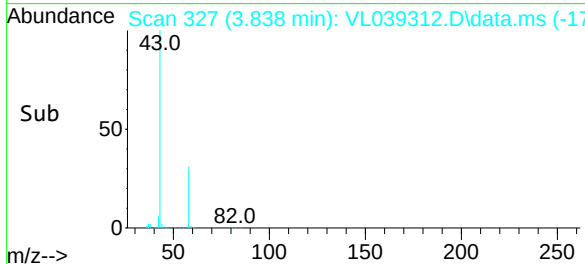
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 1098250
Ion Ratio Lower Upper
43 100
58 21.1 22.5 33.7

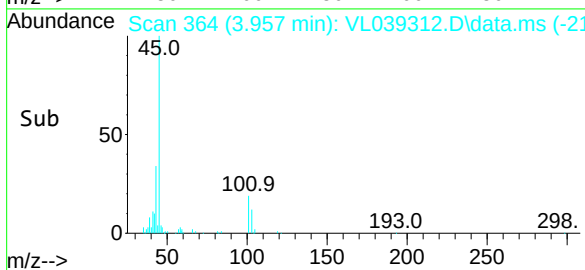
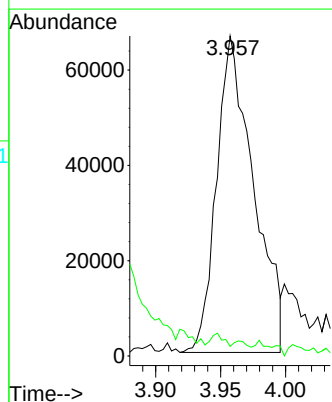
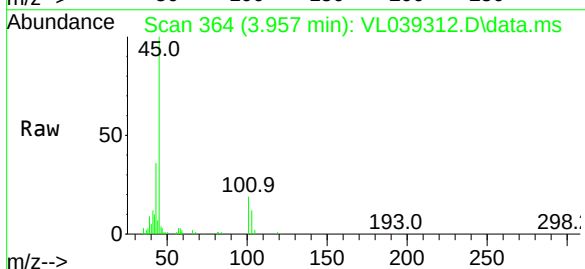
Manual Integrations
APPROVED

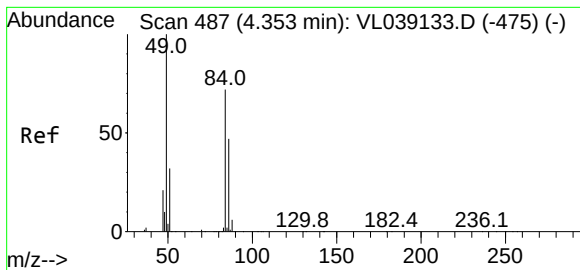
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#19
Isopropyl Alcohol
Concen: 2.309 ppbv
RT: 3.957 min Scan# 364
Delta R.T. -0.006 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

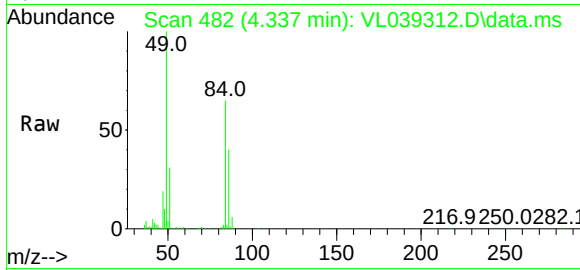
Tgt Ion: 45 Resp: 131632
Ion Ratio Lower Upper
45 100
58 183.0 1.8 2.8





#20
Methylene Chloride
Concen: 3.733 ppbv
RT: 4.337 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

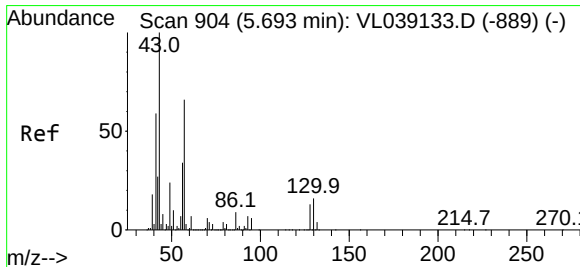
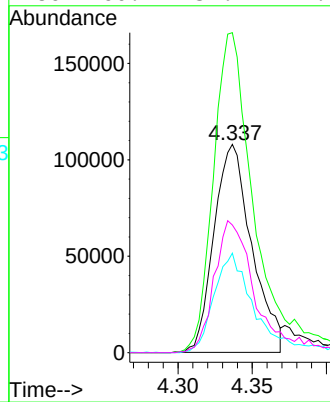
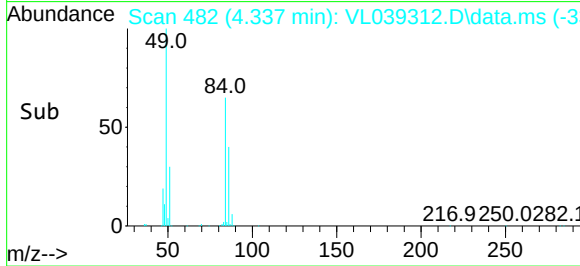
Instrument :
MSVOA_L
ClientSampleId :
OA1



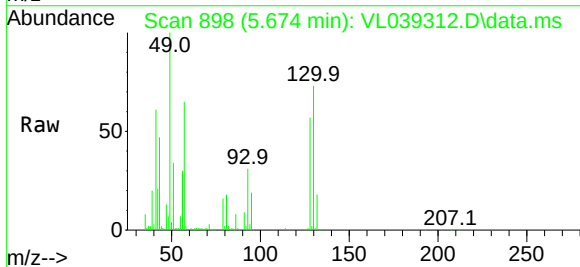
Tgt Ion: 84 Resp: 191270
Ion Ratio Lower Upper
84 100
49 153.4 111.1 166.7
51 47.8 35.3 52.9
86 60.9 51.9 77.9

Manual Integrations
APPROVED

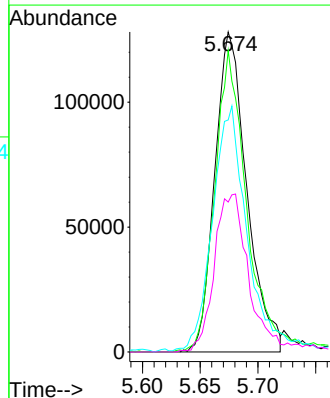
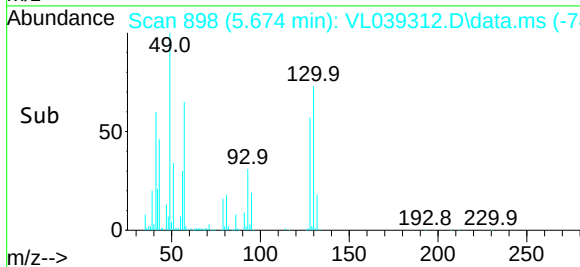
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

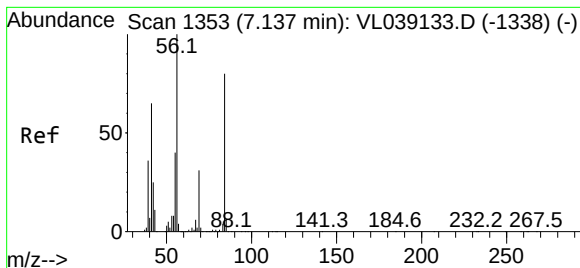


#26
Hexane
Concen: 2.051 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03



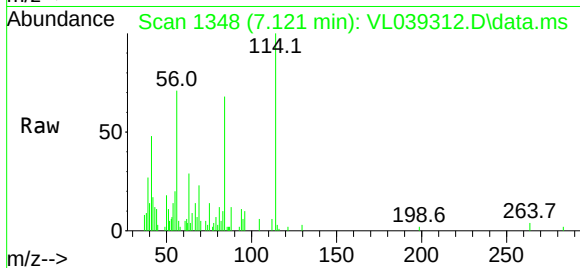
Tgt Ion: 57 Resp: 246997
Ion Ratio Lower Upper
57 100
41 97.4 72.4 108.6
43 83.8 187.0 280.6#
56 55.6 41.8 62.6





#30
Cyclohexane
Concen: 0.162 ppbv m
RT: 7.121 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

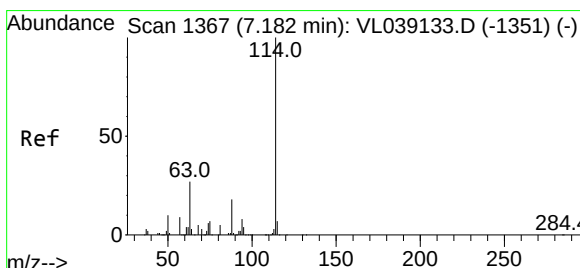
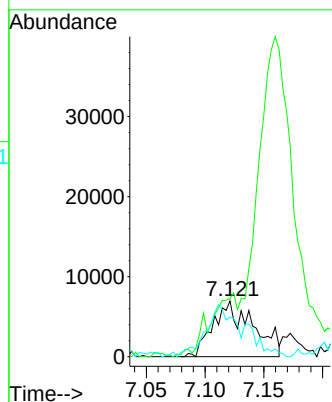
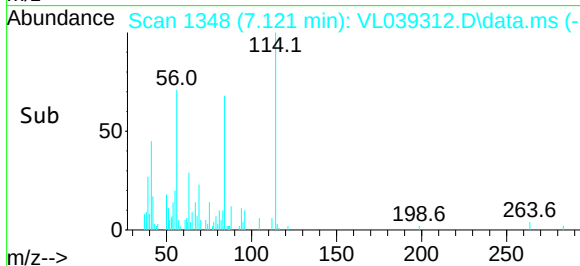
Instrument :
MSVOA_L
ClientSampleId :
OA1



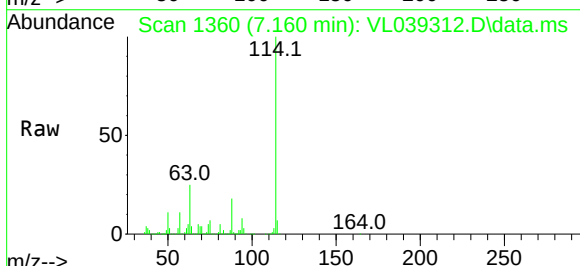
Tgt Ion: 84 Resp: 16360
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8
41 89.4 68.9 103.3

Manual Integrations
APPROVED

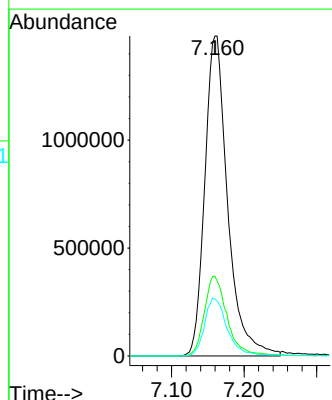
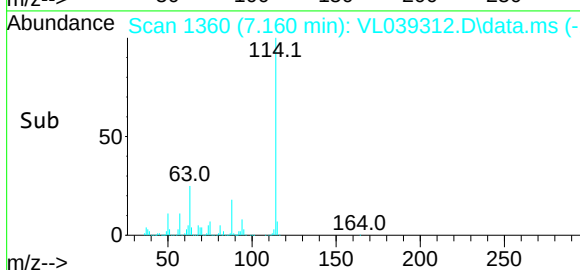
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

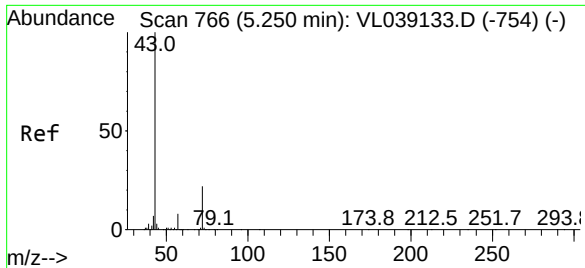


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.022 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03



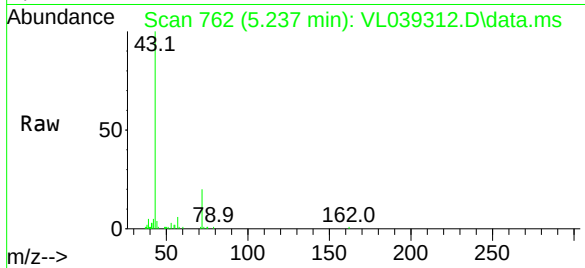
Tgt Ion:114 Resp: 3244834
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 18.3 14.8 22.2





#34
2-Butanone
Concen: 0.406 ppbv
RT: 5.237 min Scan# 7165
Delta R.T. -0.013 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

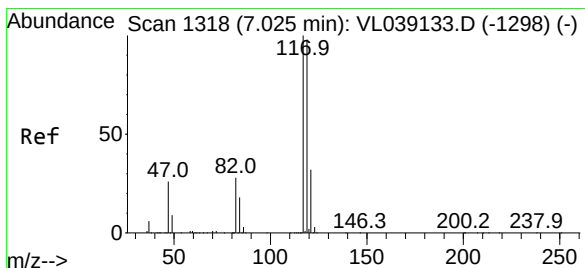
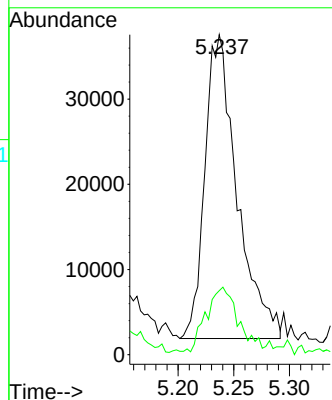
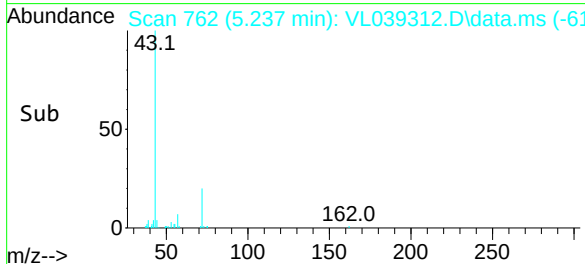
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 7165
Ion Ratio Lower Upper
43 100
72 26.0 18.2 27.2

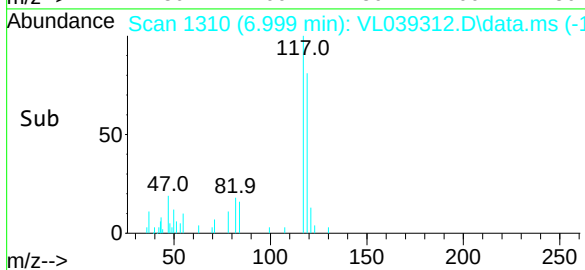
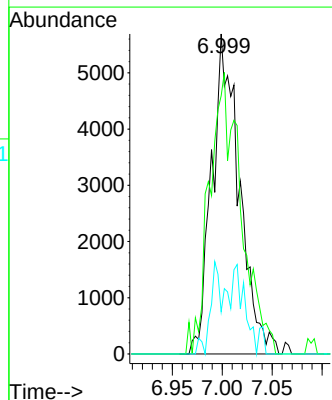
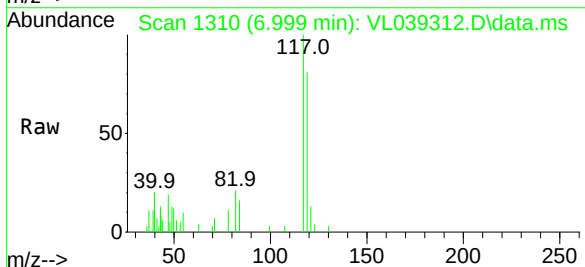
Manual Integrations
APPROVED

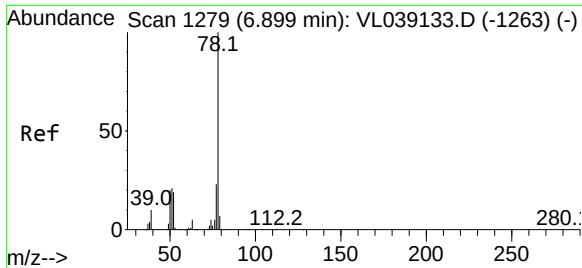
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#35
Carbon Tetrachloride
Concen: 0.046 ppbv m
RT: 6.999 min Scan# 1310
Delta R.T. -0.026 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

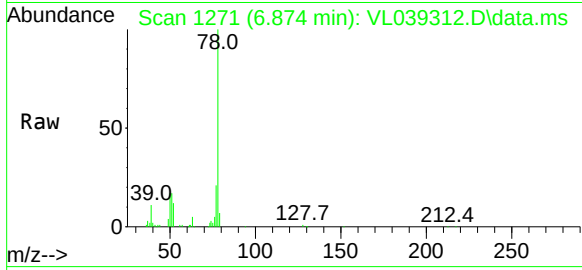
Tgt Ion:117 Resp: 10934
Ion Ratio Lower Upper
117 100
119 80.6 78.6 118.0
121 13.2 25.4 38.0#





#36
Benzene
Concen: 0.379 ppbv
RT: 6.874 min Scan# 11
Delta R.T. -0.026 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

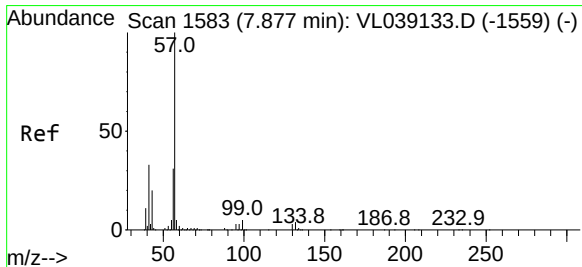
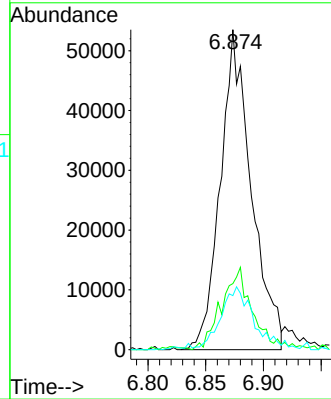
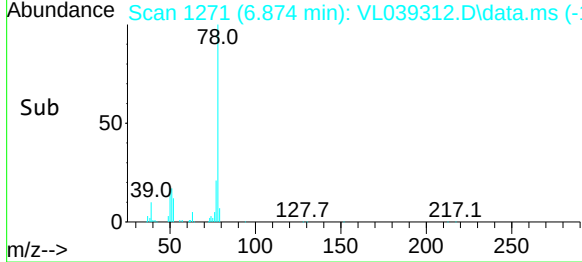
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 78 Resp: 9973
Ion Ratio Lower Upper
78 100
77 20.1 18.6 27.8
50 15.7 15.8 23.8

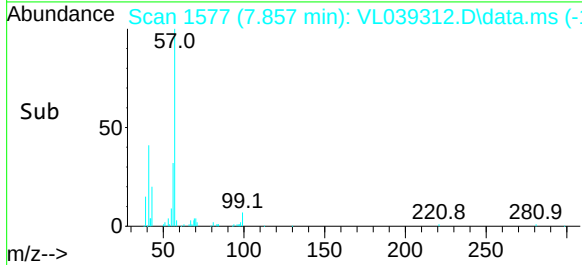
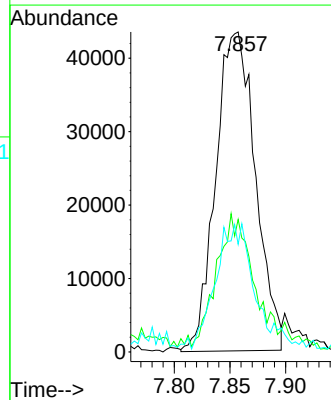
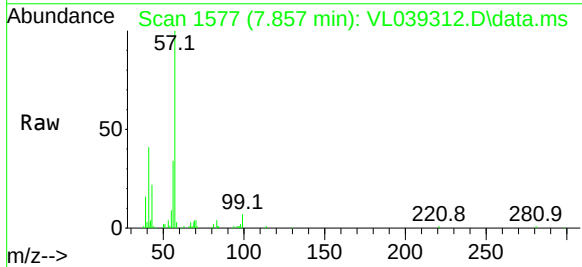
Manual Integrations
APPROVED

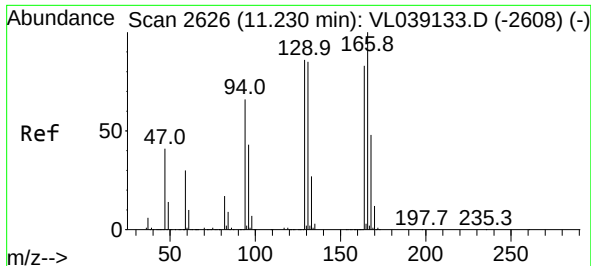
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#44
2,2,4-Trimethylpentane
Concen: 0.234 ppbv
RT: 7.857 min Scan# 1577
Delta R.T. -0.019 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

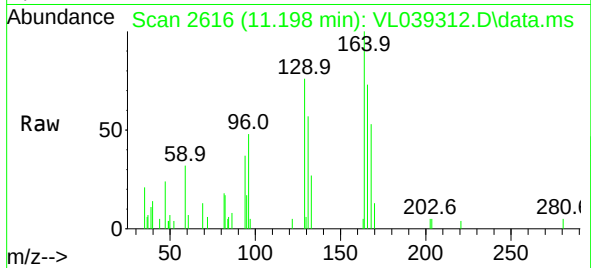
Tgt Ion: 57 Resp: 107956
Ion Ratio Lower Upper
57 100
41 47.0 26.2 39.4#
56 43.0 24.7 37.1#





#52
Tetrachloroethene
Concen: 0.066 ppbv m
RT: 11.198 min Scan# 2616
Delta R.T. -0.032 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

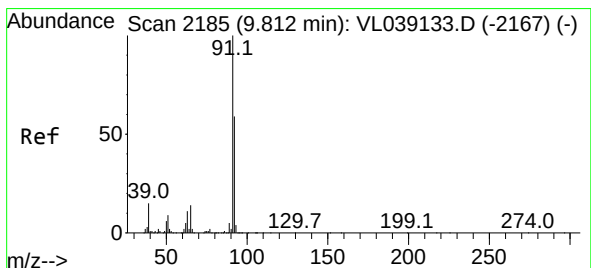
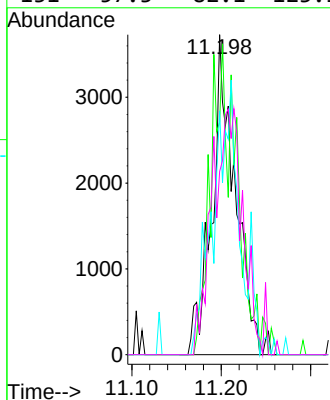
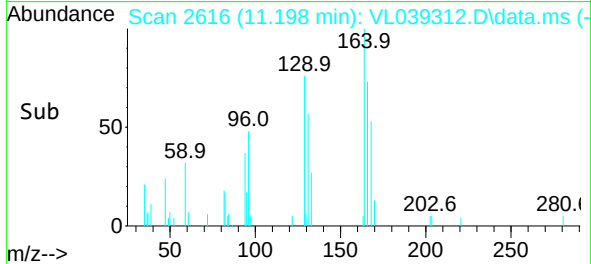
Instrument :
MSVOA_L
ClientSampleId :
OA1



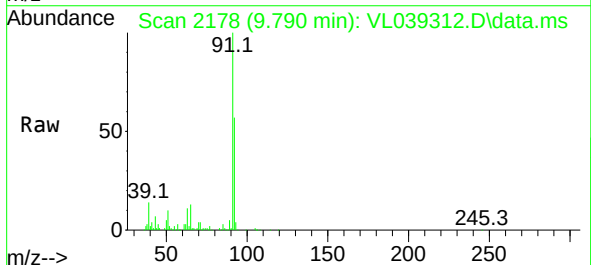
Tgt Ion:164 Resp: 6749
Ion Ratio Lower Upper
164 100
166 72.7 96.3 144.5
129 76.2 82.5 123.7
131 57.3 82.1 123.1#

Manual Integrations
APPROVED

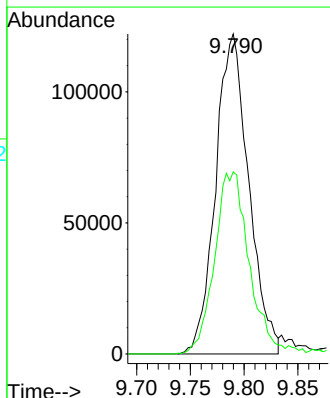
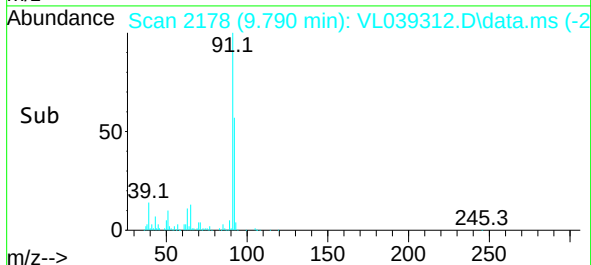
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

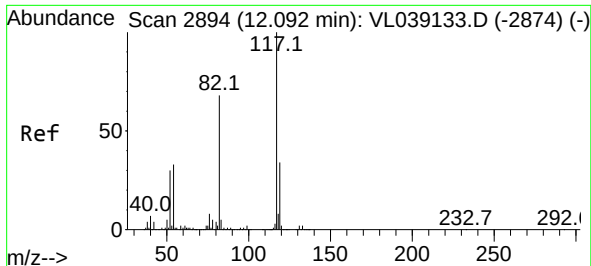


#53
Toluene
Concen: 0.862 ppbv
RT: 9.790 min Scan# 2178
Delta R.T. -0.022 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03



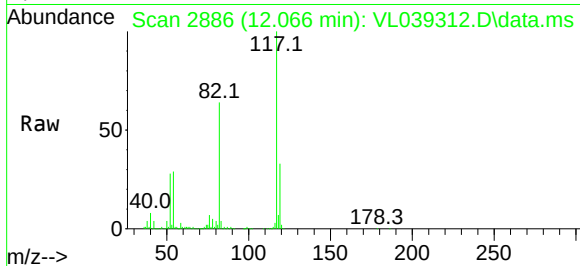
Tgt Ion: 91 Resp: 261357
Ion Ratio Lower Upper
91 100
92 61.2 48.1 72.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.026 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

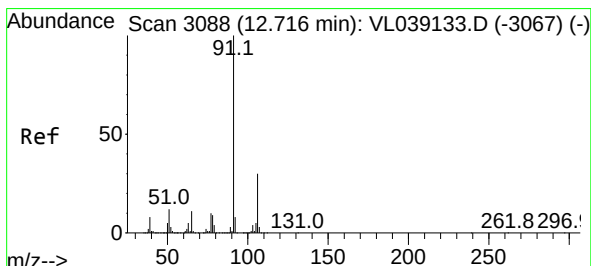
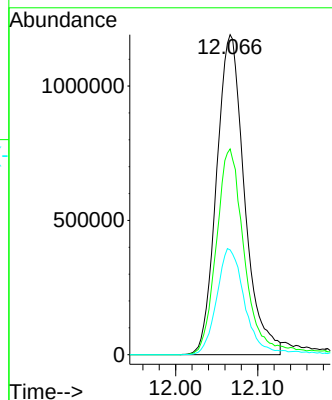
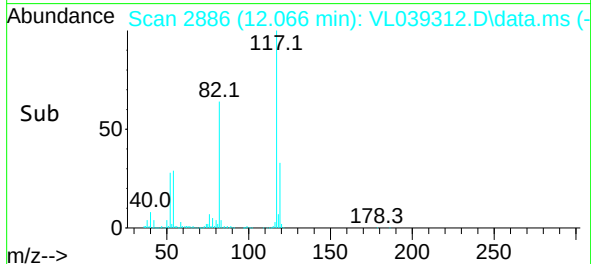
Instrument :
MSVOA_L
ClientSampleId :
OA1



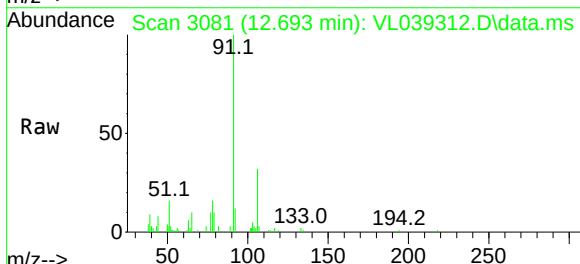
Tgt Ion: 117 Resp: 281810
Ion Ratio Lower Upper
117 100
82 66.3 55.1 82.7
119 34.3 24.7 37.1

Manual Integrations
APPROVED

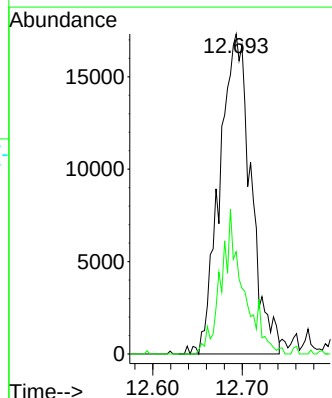
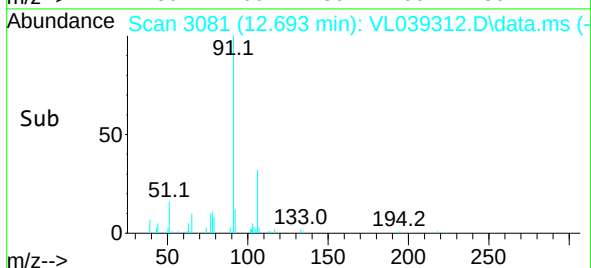
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022

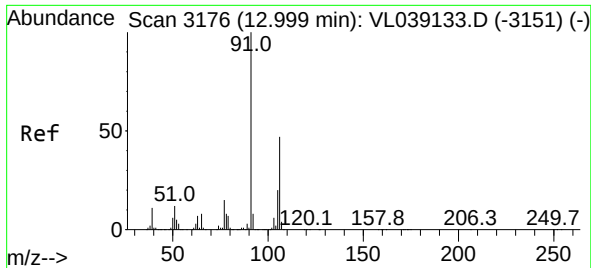


#58
Ethyl Benzene
Concen: 0.108 ppbv m
RT: 12.693 min Scan# 3081
Delta R.T. -0.022 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03



Tgt Ion: 91 Resp: 42072
Ion Ratio Lower Upper
91 100
106 32.0 24.2 36.4





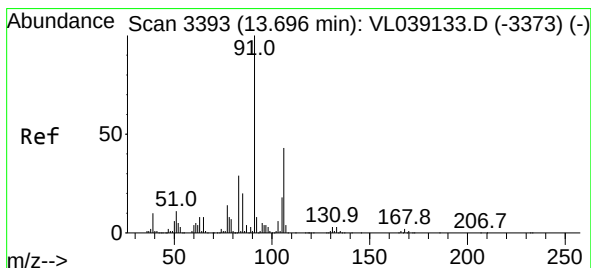
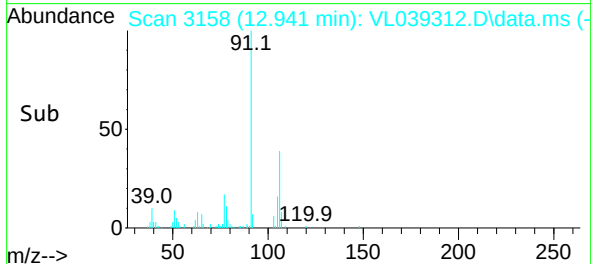
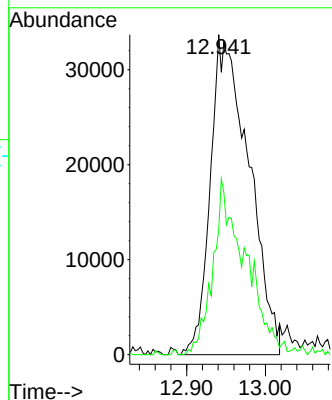
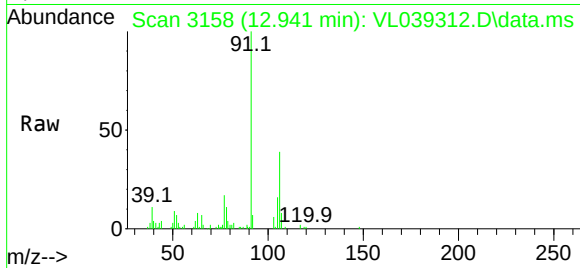
#59
m/p-Xylene
Concen: 0.334 ppbv m
RT: 12.941 min Scan# 3176
Delta R.T. -0.058 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 114329
Ion Ratio Lower Upper
91 100
106 46.7 34.3 51.5

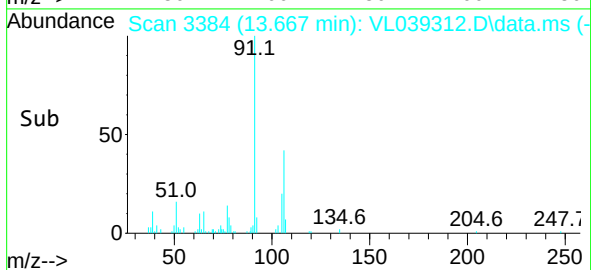
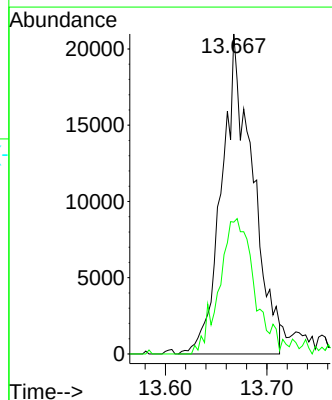
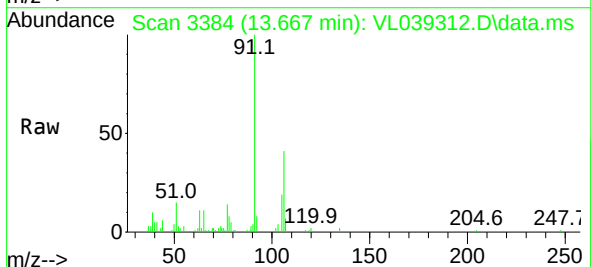
Manual Integrations
APPROVED

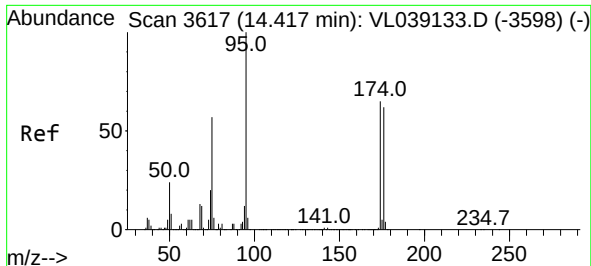
Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#60
o-Xylene
Concen: 0.138 ppbv m
RT: 13.667 min Scan# 3384
Delta R.T. -0.029 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

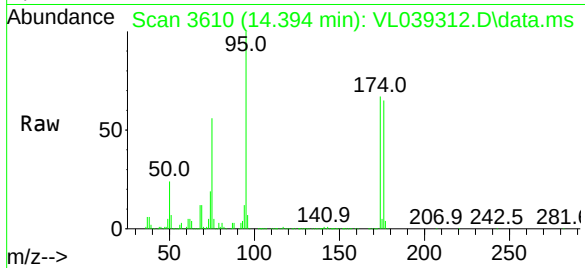
Tgt Ion: 91 Resp: 44176
Ion Ratio Lower Upper
91 100
106 51.2 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.669 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.022 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

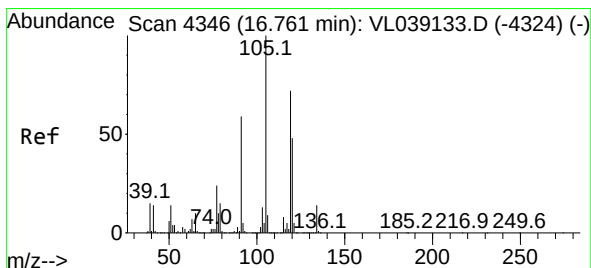
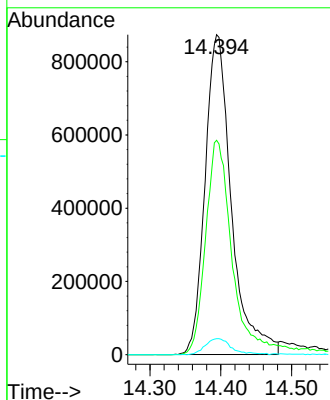
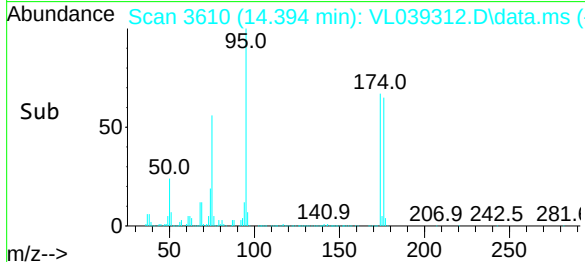
Instrument :
MSVOA_L
ClientSampleId :
OA1



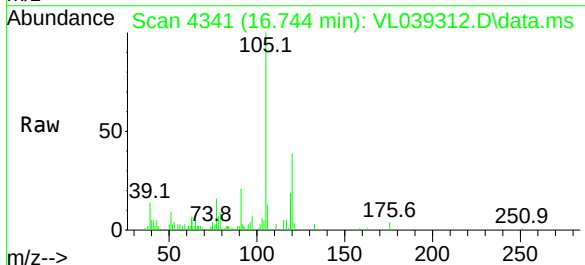
Tgt Ion: 95 Resp: 2252810
Ion Ratio Lower Upper
95 100
174 71.0 53.8 80.8
175 5.2 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/16/2022
Supervised By :Mahesh Dadoda 06/17/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv m
RT: 16.744 min Scan# 4341
Delta R.T. -0.016 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03



Tgt Ion:105 Resp: 46464
Ion Ratio Lower Upper
105 100
120 39.2 38.1 57.1
91 20.7 47.4 71.0#
77 15.8 19.5 29.3#

