

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039433.D
 Acq On : 6 Jul 2022 00:24
 Operator : SY/AP
 Sample : N3573-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 06 02:39:28 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

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

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1143345	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	3098977	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	2680059	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.423	95	1983716	9.977	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.063	85	57355m	0.348	ppbv	
3) Chlorodifluoromethane	2.996	51	50214m	0.346	ppbv	
4) Chloromethane	3.150	50	42018m	0.530	ppbv	
9) Propene	3.025	41	51863	0.792	ppbv	90
10) Heptane	8.134	43	20039m	0.131	ppbv	
11) Trichlorofluoromethane	3.967	101	40922m	0.223	ppbv	
13) Ethanol	3.607	45	136653m	35.956	ppbv	
15) Acetone	3.857	43	1273503	9.415	ppbv	99
19) Isopropyl Alcohol	3.980	45	84865m	1.176	ppbv	
20) Methylene Chloride	4.356	84	2230545	41.371	ppbv	97
26) Hexane	5.700	57	1561220	13.964	ppbv #	39
30) Cyclohexane	7.195	84	21410m	0.210	ppbv	
34) 2-Butanone	5.259	43	58681	0.376	ppbv	93
35) Carbon Tetrachloride	7.034	117	11090m	0.058	ppbv	
36) Benzene	6.899	78	91404	0.381	ppbv	94
43) Methyl Methacrylate	8.021	69	10654m	0.117	ppbv	
44) 2,2,4-Trimethylpentane	7.880	57	77953m	0.192	ppbv	
53) Toluene	9.819	91	208027	0.752	ppbv	100
58) Ethyl Benzene	12.719	91	42817m	0.124	ppbv	
59) m/p-Xylene	12.983	91	110571m	0.362	ppbv	
60) o-Xylene	13.703	91	43745m	0.151	ppbv	
74) 1,2,4-Trimethylbenzene	16.777	105	43855m	0.127	ppbv	

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

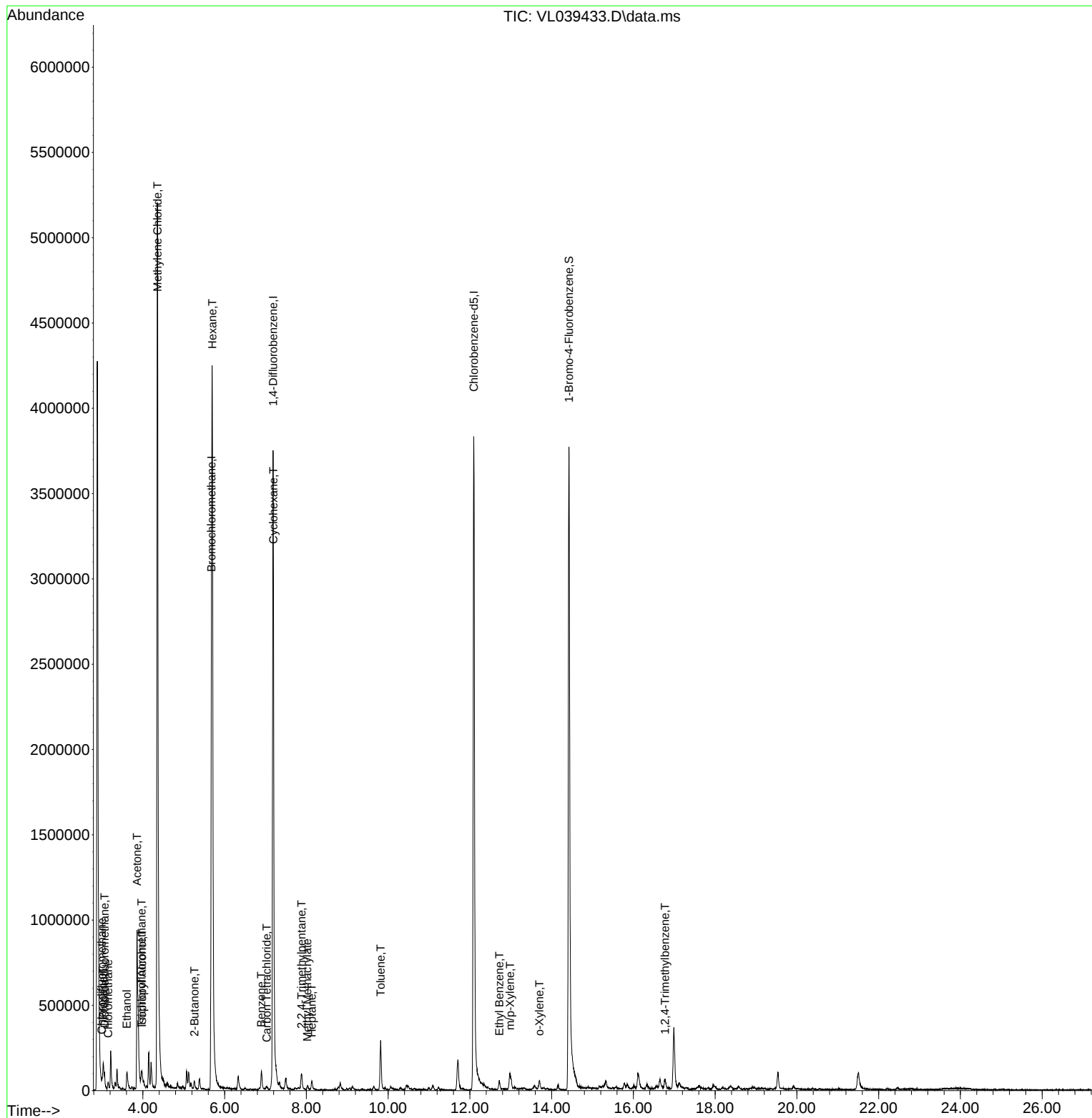
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
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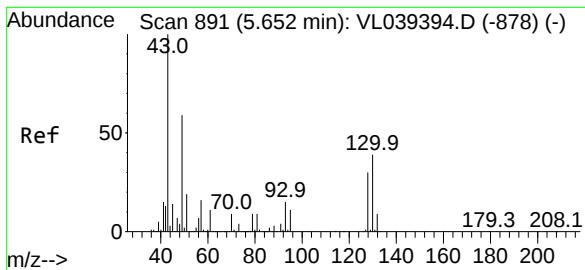
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jul 06 02:39:28 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
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Manual Integrations
APPROVED

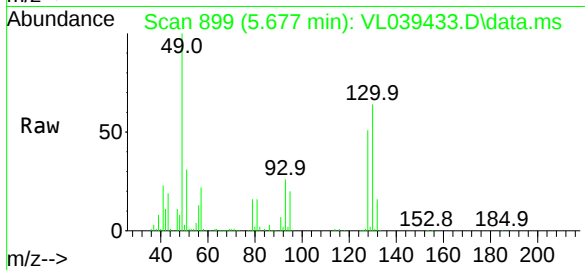
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.677 min Scan# 89
 Delta R.T. 0.026 min
 Lab File: VL039433.D
 Acq: 6 Jul 2022 00:24

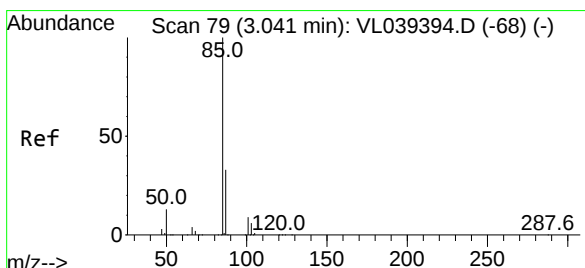
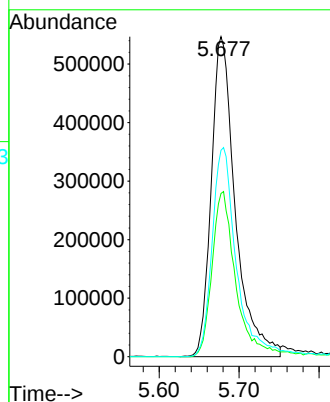
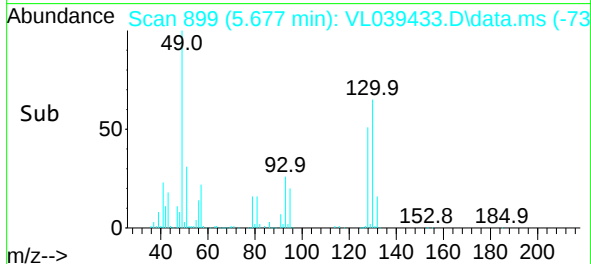
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 49 Resp: 114334
 Ion Ratio Lower Upper
 49 100
 128 51.4 26.7 80.0
 130 67.2 34.3 102.8

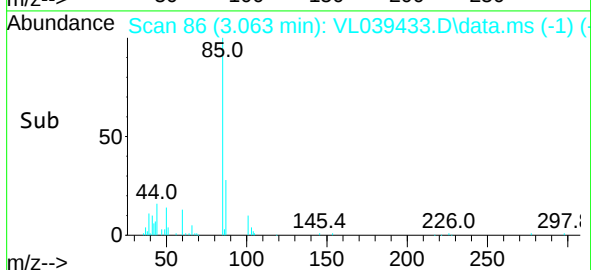
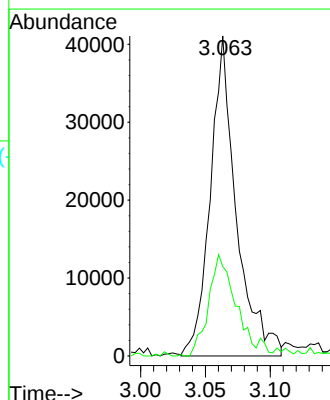
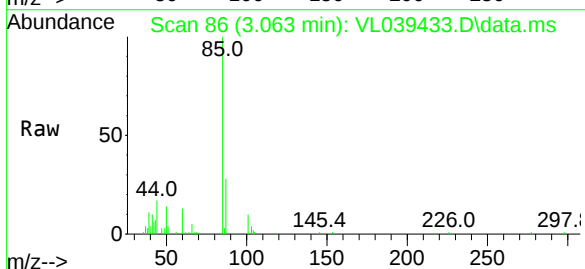
Manual Integrations
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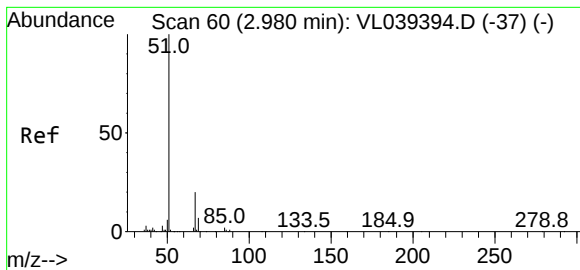
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#2
 Dichlorodifluoromethane
 Concen: 0.348 ppbv m
 RT: 3.063 min Scan# 86
 Delta R.T. 0.022 min
 Lab File: VL039433.D
 Acq: 6 Jul 2022 00:24

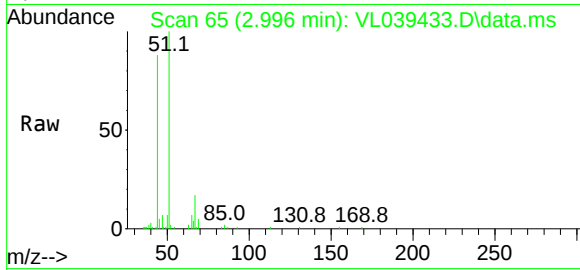
Tgt Ion: 85 Resp: 57355
 Ion Ratio Lower Upper
 85 100
 87 28.0 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.346 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

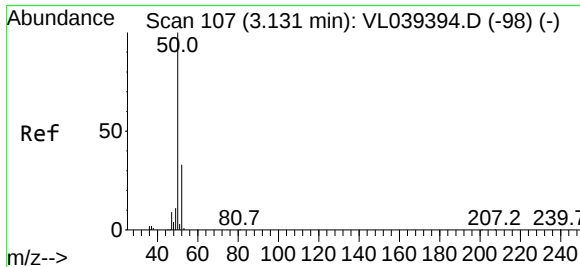
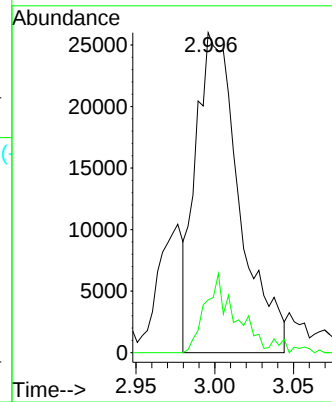
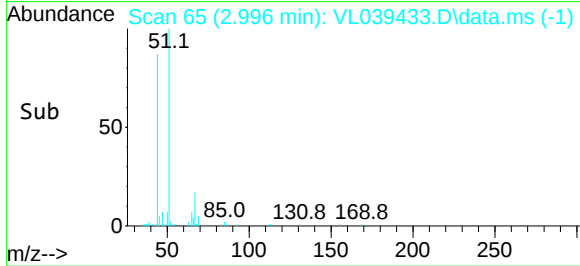
Instrument :
MSVOA_L
ClientSampleId :
OA1



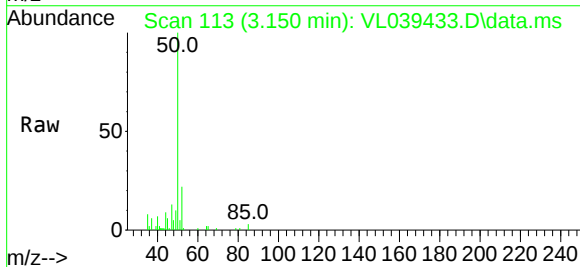
Tgt Ion: 51 Resp: 50214
Ion Ratio Lower Upper
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67 18.7 15.7 23.5

Manual Integrations
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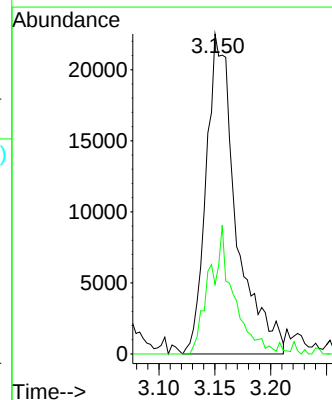
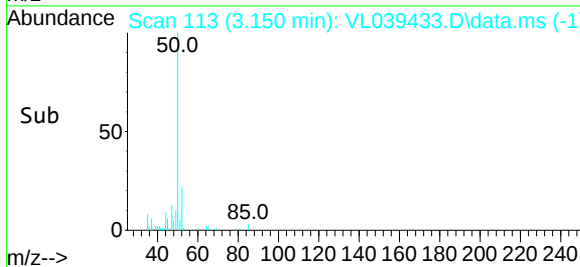
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

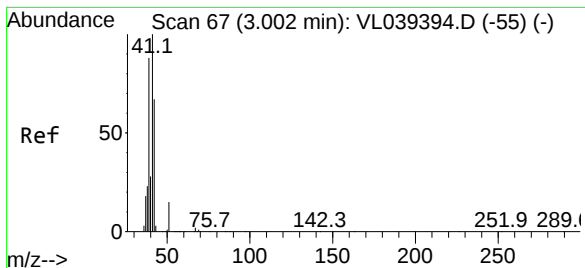


#4
Chloromethane
Concen: 0.530 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24



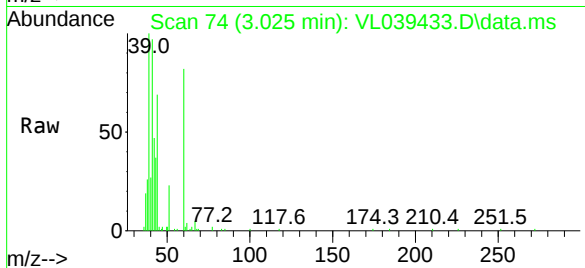
Tgt Ion: 50 Resp: 42018
Ion Ratio Lower Upper
50 100
52 21.7 26.5 39.7#





#9
 Propene
 Concen: 0.792 ppbv
 RT: 3.025 min Scan# 74
 Delta R.T. 0.022 min
 Lab File: VL039433.D
 Acq: 6 Jul 2022 00:24

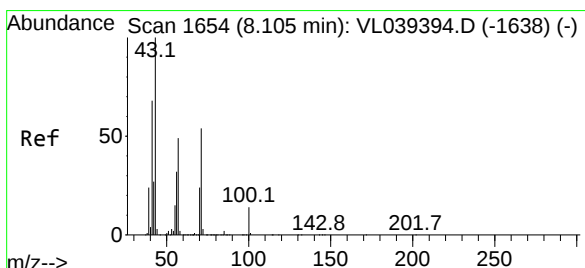
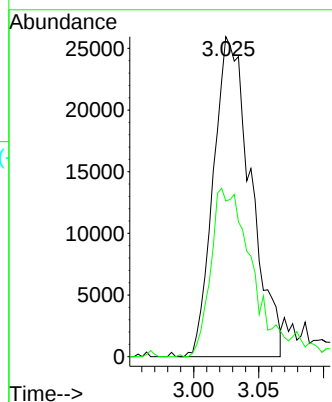
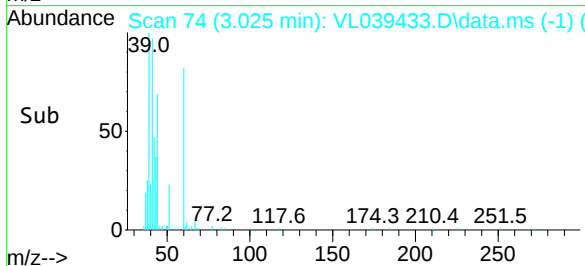
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 5186
 Ion Ratio Lower Upper
 41 100
 42 61.2 55.2 82.8

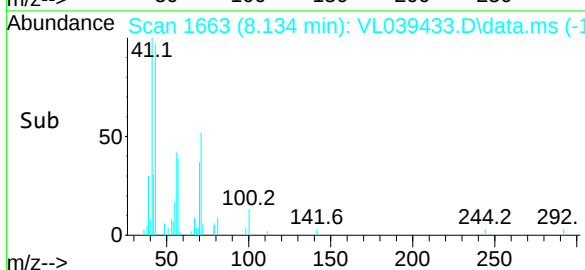
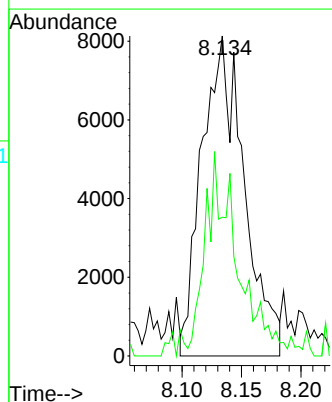
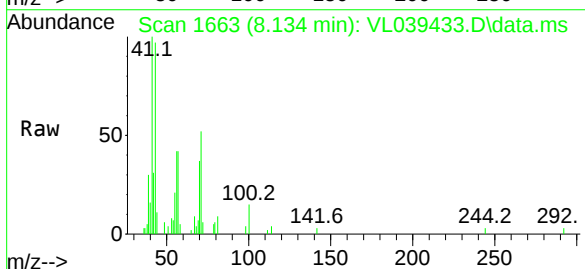
Manual Integrations
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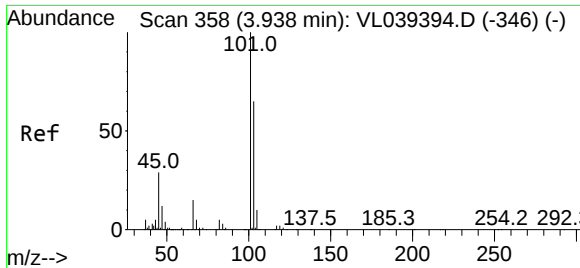
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#10
 Heptane
 Concen: 0.131 ppbv m
 RT: 8.134 min Scan# 1663
 Delta R.T. 0.029 min
 Lab File: VL039433.D
 Acq: 6 Jul 2022 00:24

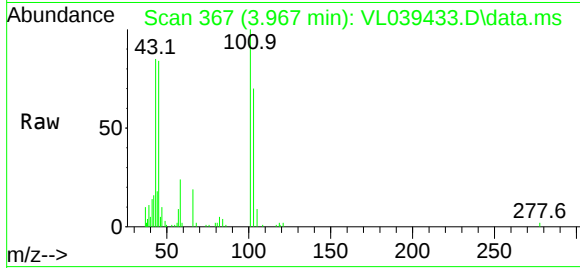
Tgt Ion: 43 Resp: 20039
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.223 ppbv m
RT: 3.967 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

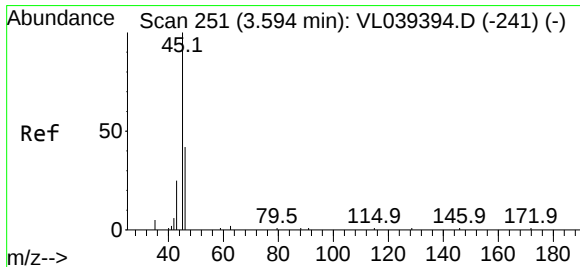
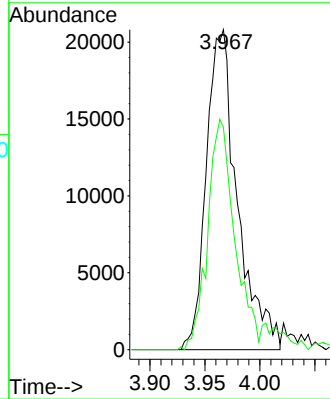
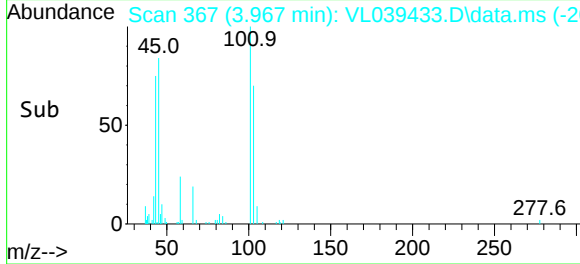
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 4092
Ion Ratio Lower Upper
101 100
103 69.5 51.8 77.8

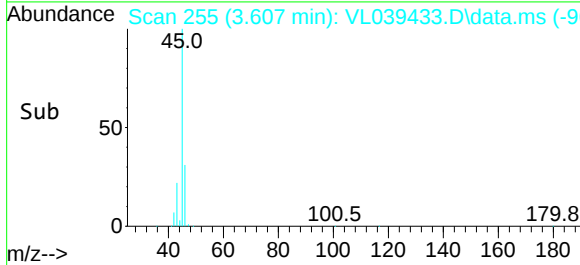
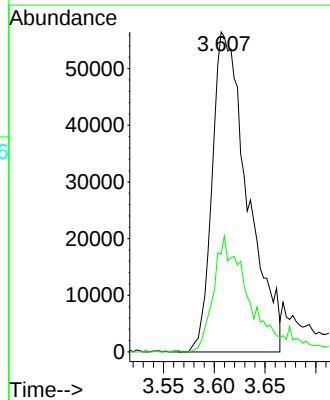
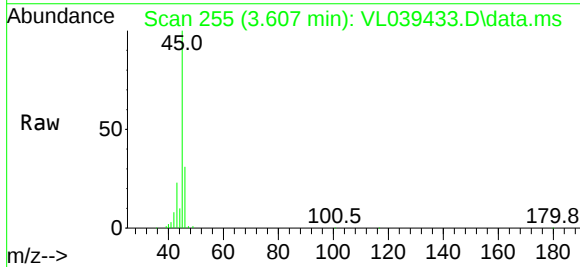
Manual Integrations
APPROVED

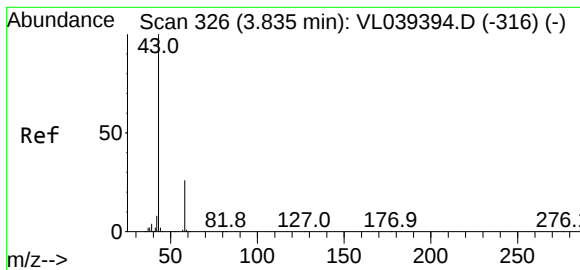
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#13
Ethanol
Concen: 35.956 ppbv m
RT: 3.607 min Scan# 255
Delta R.T. 0.013 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Tgt Ion: 45 Resp: 136653
Ion Ratio Lower Upper
45 100
46 39.3 22.8 91.2





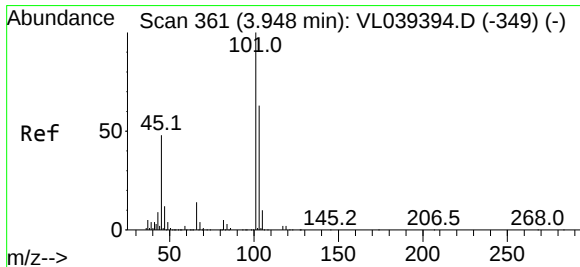
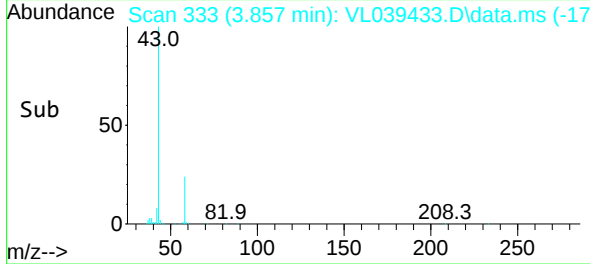
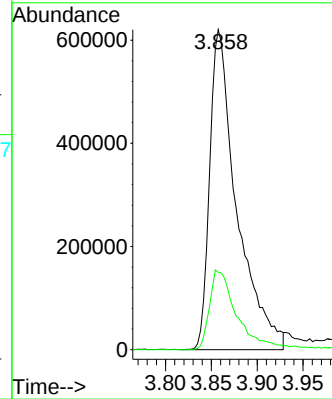
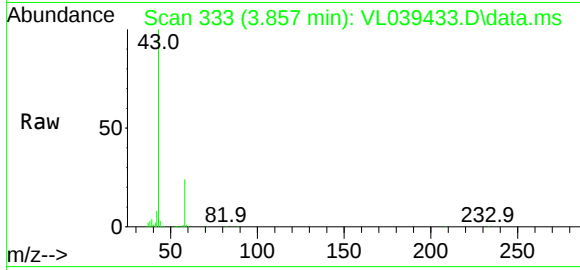
#15
Acetone
Concen: 9.415 ppbv
RT: 3.857 min Scan# 311
Delta R.T. 0.022 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 127350
Ion Ratio Lower Upper
43 100
58 26.9 21.0 31.6

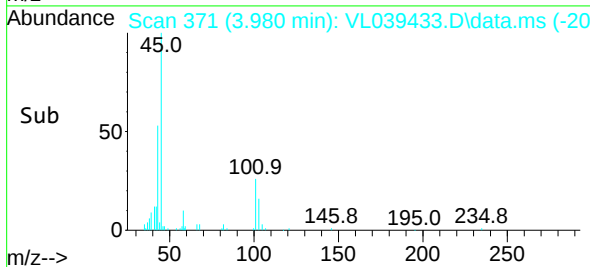
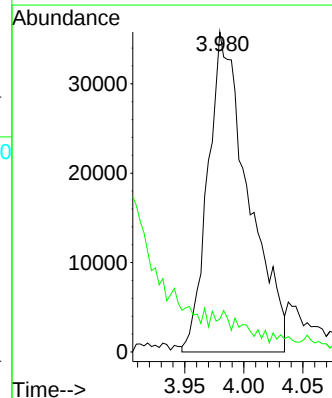
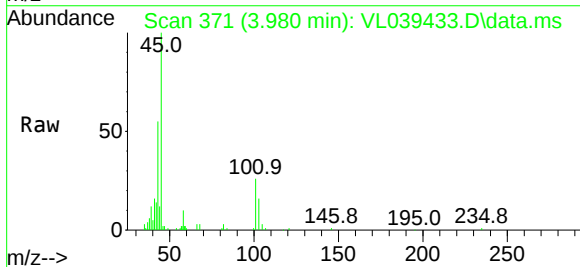
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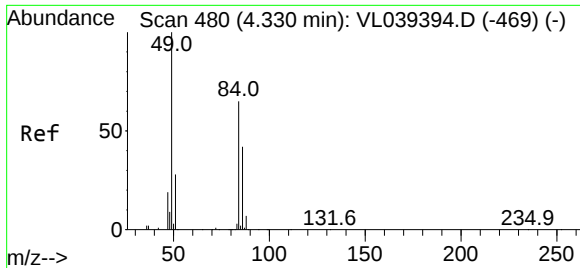
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#19
Isopropyl Alcohol
Concen: 1.176 ppbv m
RT: 3.980 min Scan# 371
Delta R.T. 0.032 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

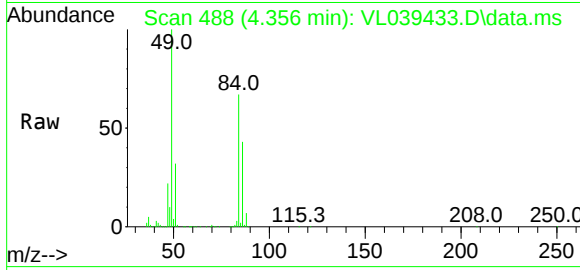
Tgt Ion: 45 Resp: 84865
Ion Ratio Lower Upper
45 100
58 11.6 3.2 4.8#





#20
Methylene Chloride
Concen: 41.371 ppbv
RT: 4.356 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

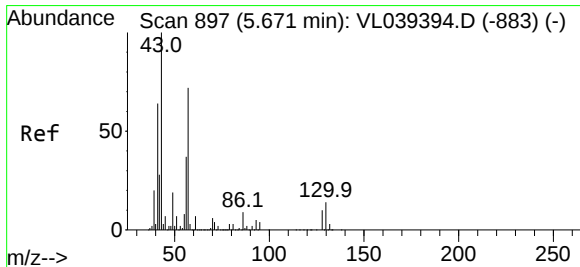
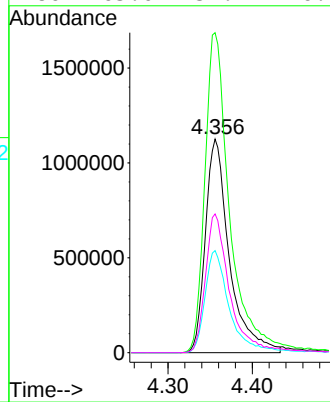
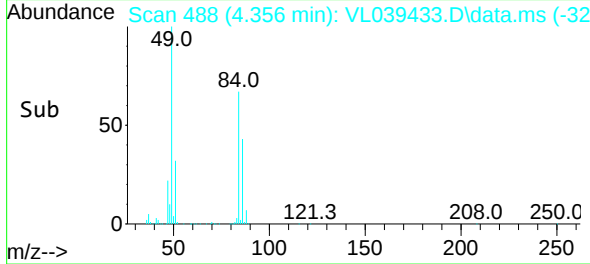


Tgt Ion: 84 Resp: 2230549

Ion	Ratio	Lower	Upper
84	100		
49	149.8	123.1	184.7
51	47.8	34.4	51.6
86	65.0	51.1	76.7

Manual Integrations
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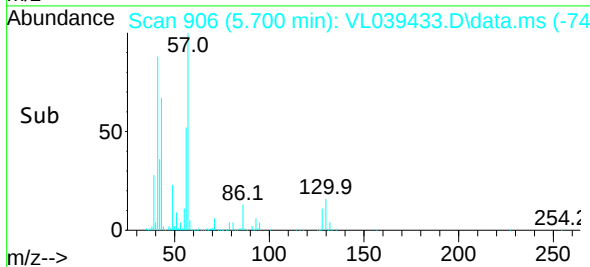
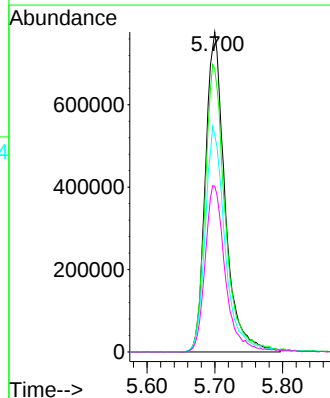
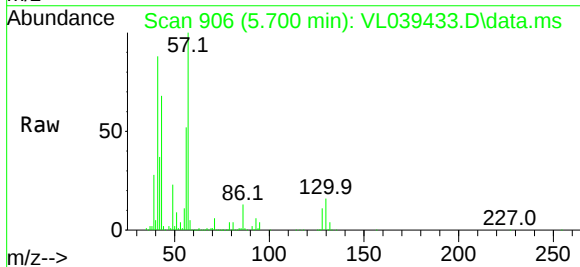
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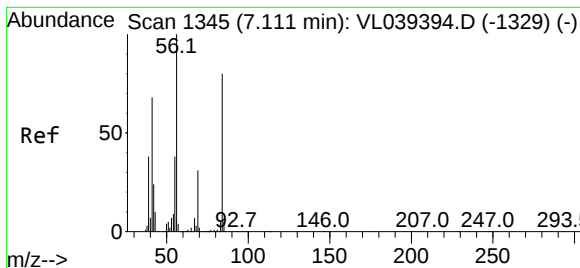


#26
Hexane
Concen: 13.964 ppbv
RT: 5.700 min Scan# 906
Delta R.T. 0.029 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Tgt Ion: 57 Resp: 1561220

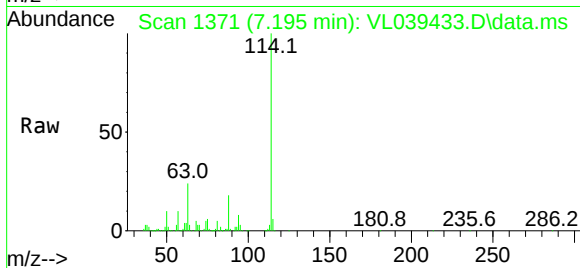
Ion	Ratio	Lower	Upper
57	100		
41	92.6	76.9	115.3
43	71.8	191.0	286.6#
56	53.9	43.2	64.8





#30
Cyclohexane
Concen: 0.210 ppbv m
RT: 7.195 min Scan# 1371
Delta R.T. 0.084 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

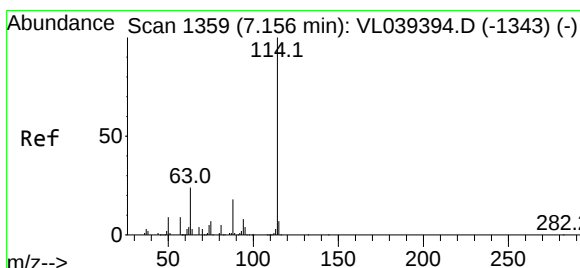
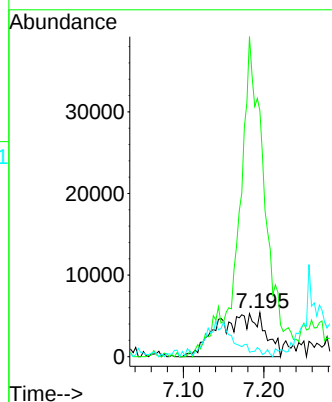
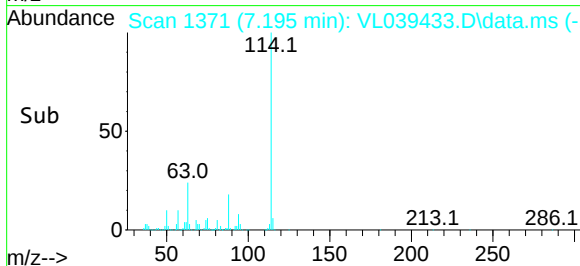
Instrument :
MSVOA_L
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OA1



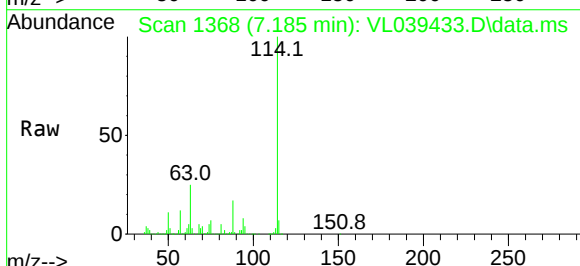
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Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5
41 0.0 67.7 101.5

Manual Integrations
APPROVED

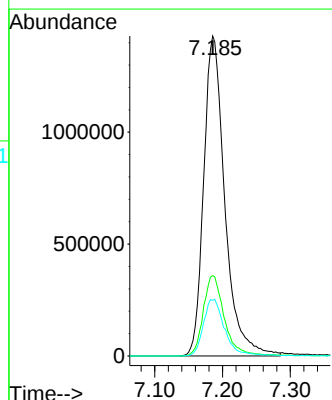
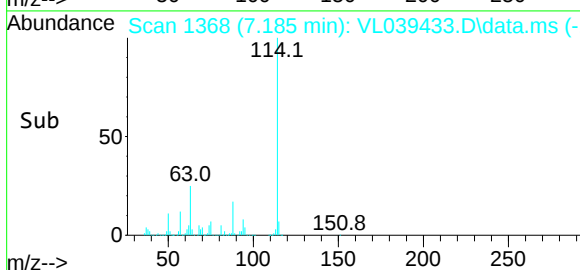
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

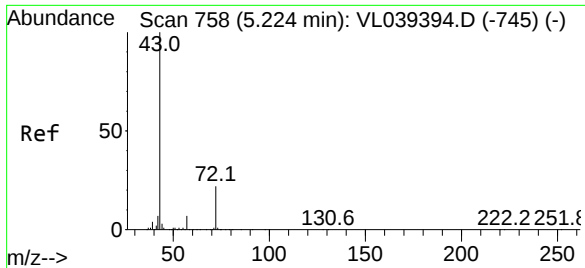


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 1368
Delta R.T. 0.029 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24



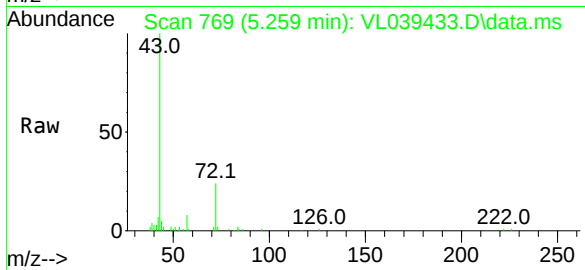
Tgt Ion:114 Resp: 3098977
Ion Ratio Lower Upper
114 100
63 25.4 20.2 30.4
88 18.0 14.5 21.7





#34
2-Butanone
Concen: 0.376 ppbv
RT: 5.259 min Scan# 71
Delta R.T. 0.035 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

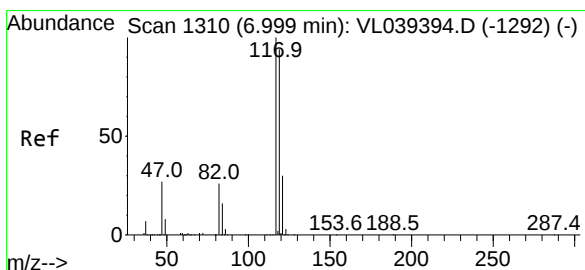
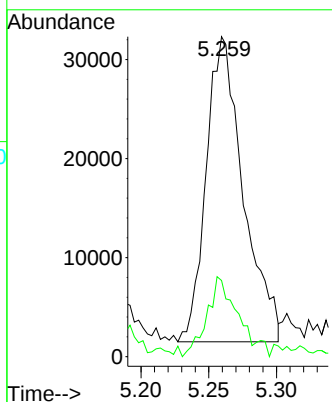
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 5868
Ion Ratio Lower Upper
43 100
72 25.9 17.9 26.9

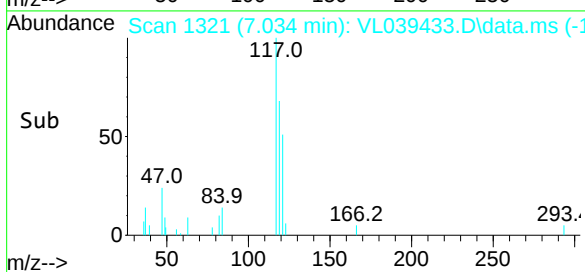
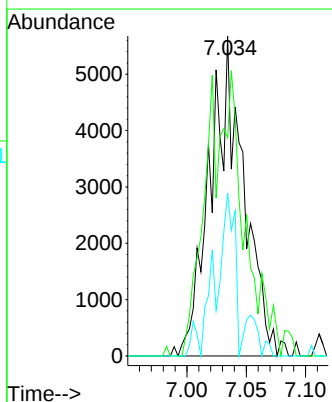
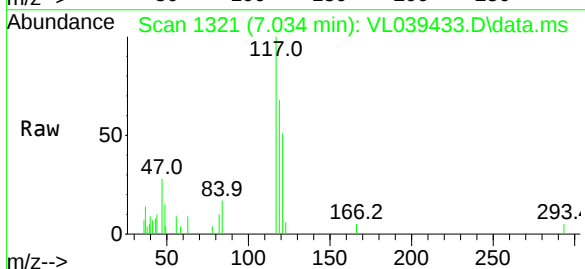
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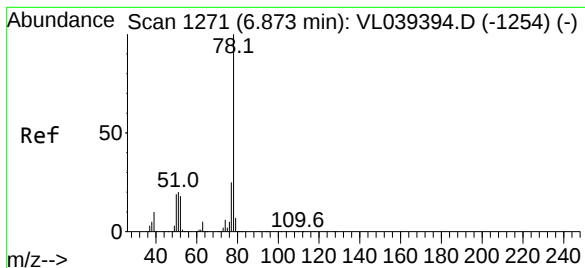
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#35
Carbon Tetrachloride
Concen: 0.058 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.035 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Tgt Ion:117 Resp: 11090
Ion Ratio Lower Upper
117 100
119 68.2 75.4 113.2#
121 50.9 24.2 36.2#





#36

Benzene

Concen: 0.381 ppbv

RT: 6.899 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL039433.D

Acq: 6 Jul 2022 00:24

Instrument :

MSVOA_L

ClientSampleId :

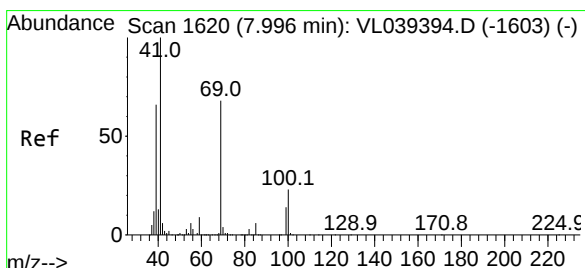
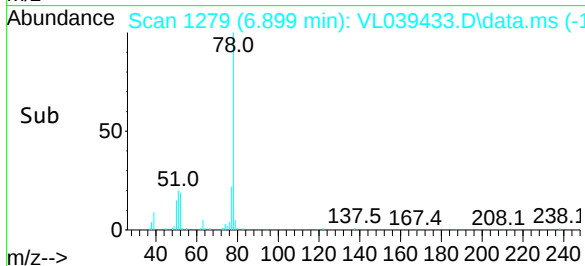
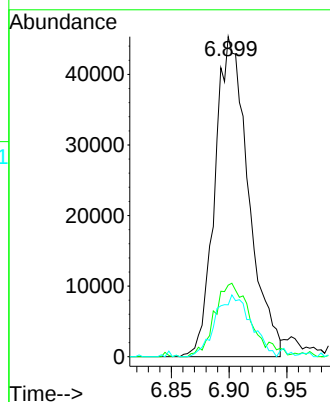
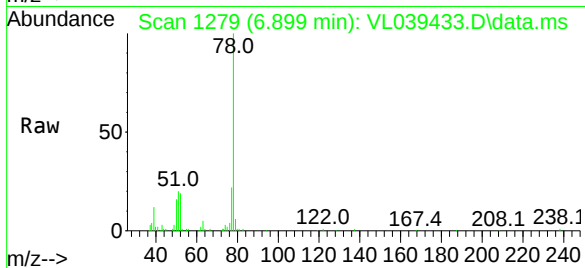
OA1

Tgt Ion: 78 Resp: 91404
 Ion Ratio Lower Upper
 78 100
 77 22.3 20.3 30.5
 50 16.2 15.5 23.3

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Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#43

Methyl Methacrylate

Concen: 0.117 ppbv m

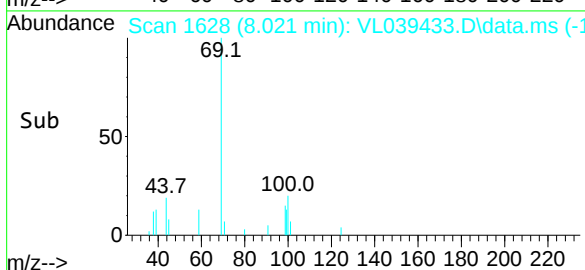
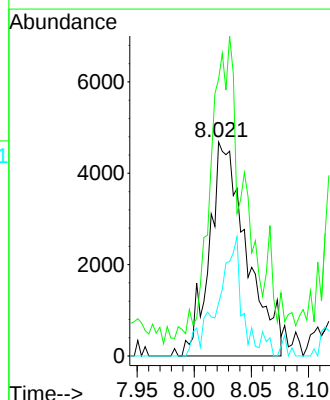
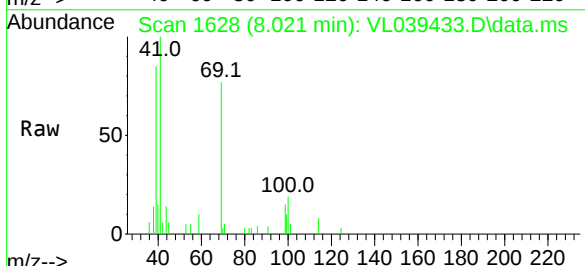
RT: 8.021 min Scan# 1628

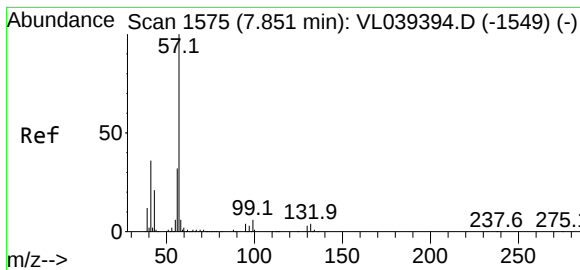
Delta R.T. 0.026 min

Lab File: VL039433.D

Acq: 6 Jul 2022 00:24

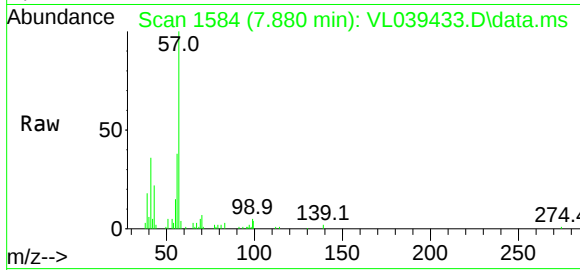
Tgt Ion: 69 Resp: 10654
 Ion Ratio Lower Upper
 69 100
 41 155.2 120.8 181.2
 100 35.5 27.8 41.6





#44
2,2,4-Trimethylpentane
Concen: 0.192 ppbv
RT: 7.880 min Scan# 1584
Delta R.T. 0.029 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

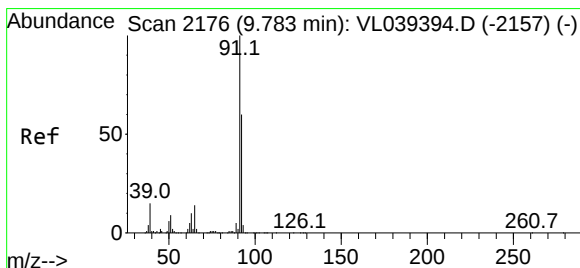
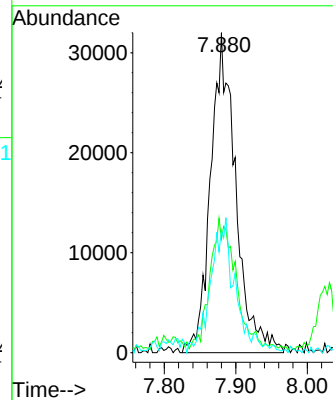
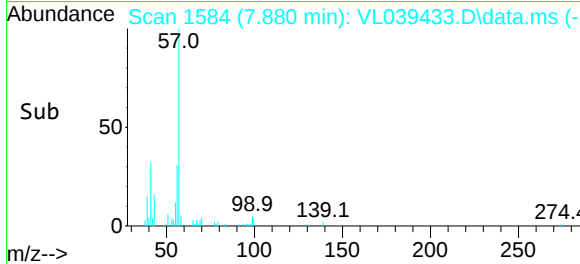
Instrument :
MSVOA_L
ClientSampleId :
OA1



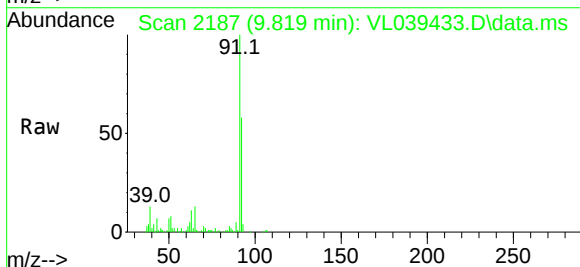
Tgt Ion: 57 Resp: 7795
Ion Ratio Lower Upper
57 100
41 0.0 27.4 41.2
56 41.1 24.5 36.7

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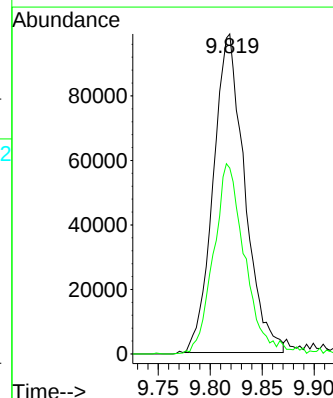
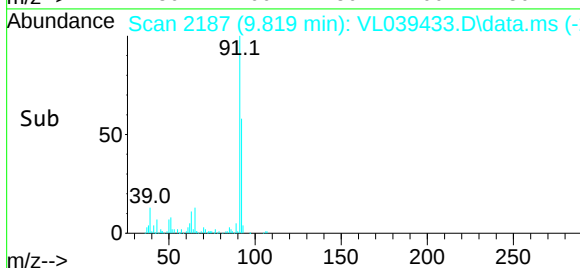
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

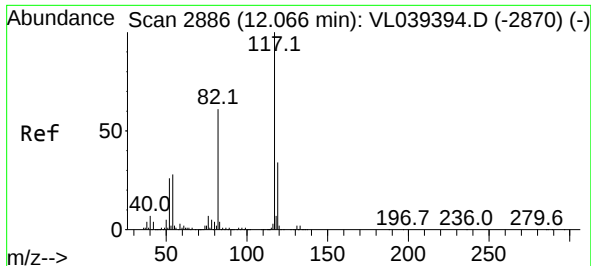


#53
Toluene
Concen: 0.752 ppbv
RT: 9.819 min Scan# 2187
Delta R.T. 0.035 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24



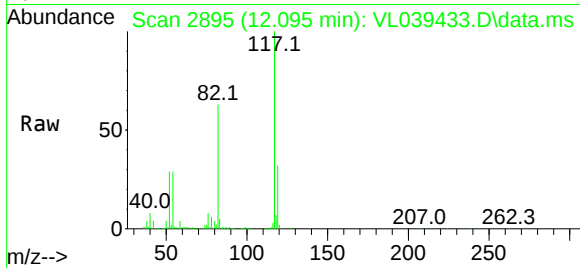
Tgt Ion: 91 Resp: 208027
Ion Ratio Lower Upper
91 100
92 60.3 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.095 min Scan# 2886
Delta R.T. 0.029 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

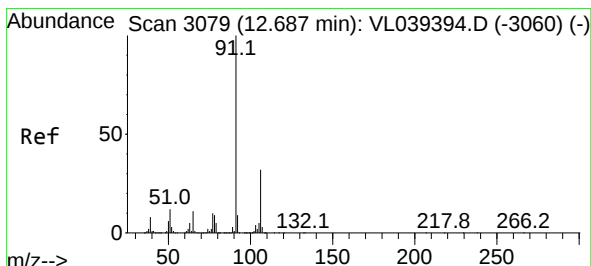
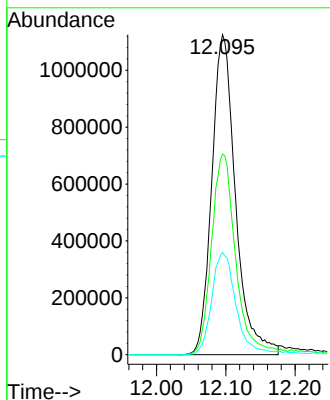
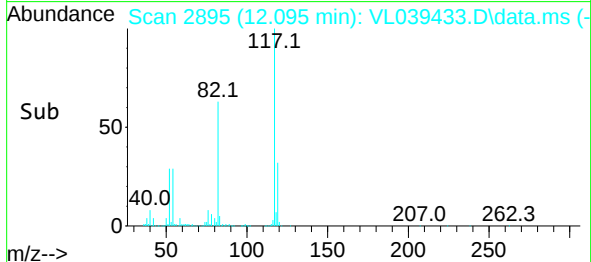
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:117 Resp: 2680059
Ion Ratio Lower Upper
117 100
82 66.1 50.8 76.2
119 33.4 24.1 36.1

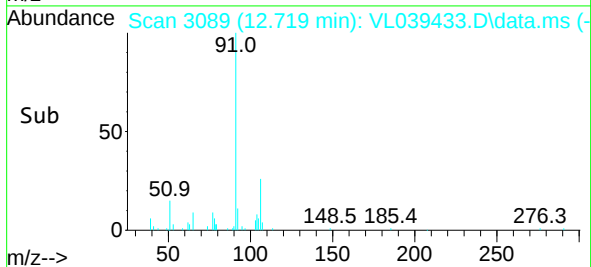
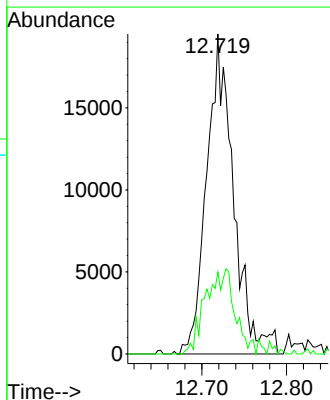
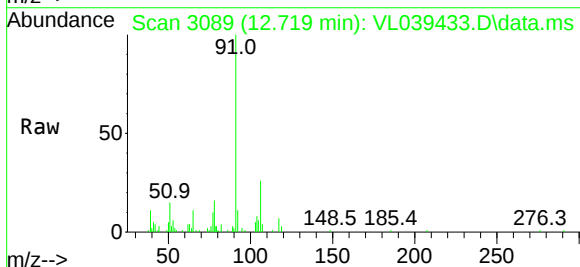
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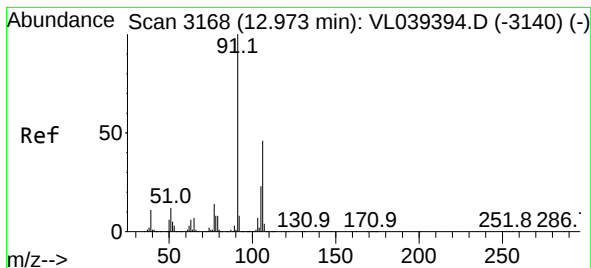
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#58
Ethyl Benzene
Concen: 0.124 ppbv m
RT: 12.719 min Scan# 3089
Delta R.T. 0.032 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

Tgt Ion: 91 Resp: 42817
Ion Ratio Lower Upper
91 100
106 25.6 25.4 38.0





#59

m/p-Xylene

Concen: 0.362 ppbv m

RT: 12.983 min Scan# 3168

Delta R.T. 0.010 min

Lab File: VL039433.D

Acq: 6 Jul 2022 00:24

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 11057

Ion Ratio Lower Upper

91 100

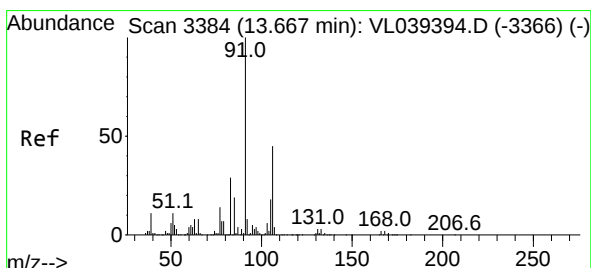
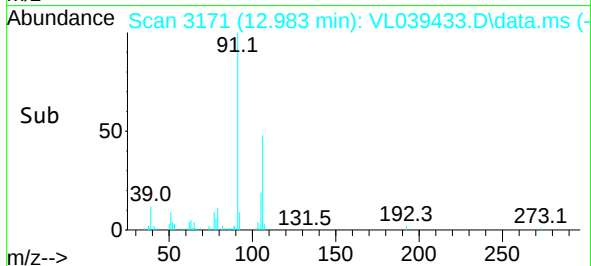
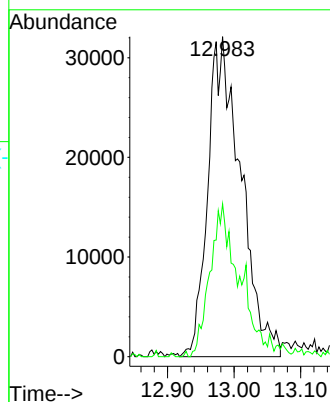
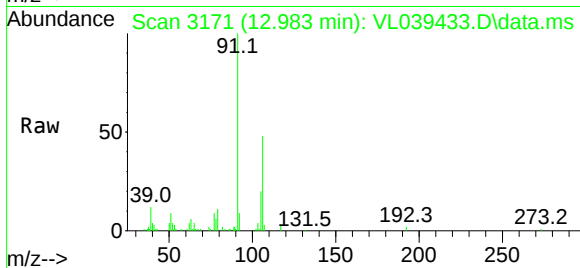
106 0.0 35.4 53.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#60

o-Xylene

Concen: 0.151 ppbv m

RT: 13.703 min Scan# 3395

Delta R.T. 0.035 min

Lab File: VL039433.D

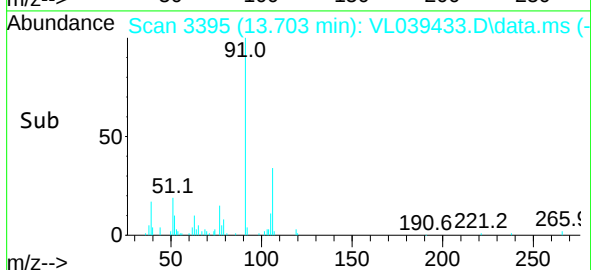
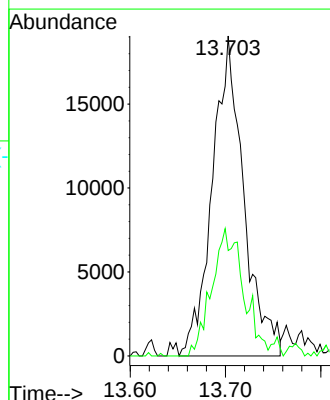
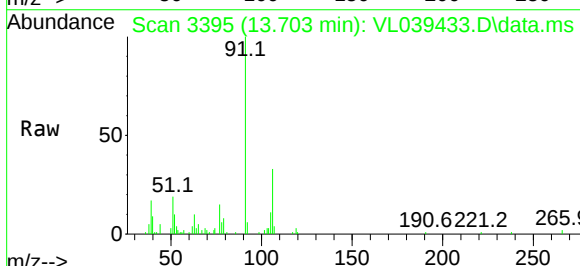
Acq: 6 Jul 2022 00:24

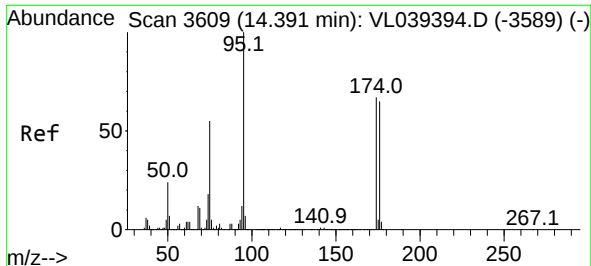
Tgt Ion: 91 Resp: 43745

Ion Ratio Lower Upper

91 100

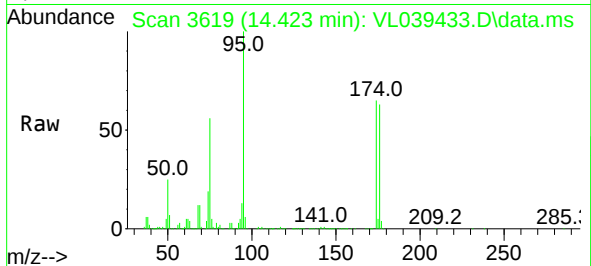
106 42.7 22.4 67.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.977 ppbv
RT: 14.423 min Scan# 3609
Delta R.T. 0.032 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24

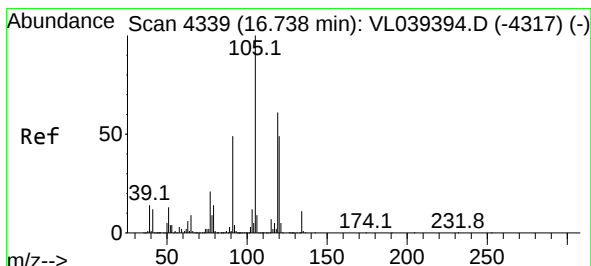
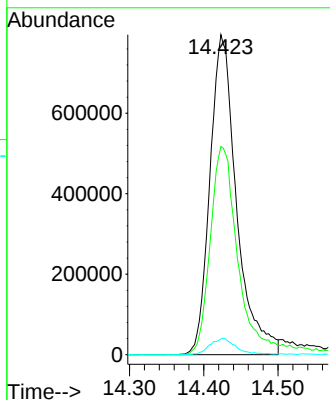
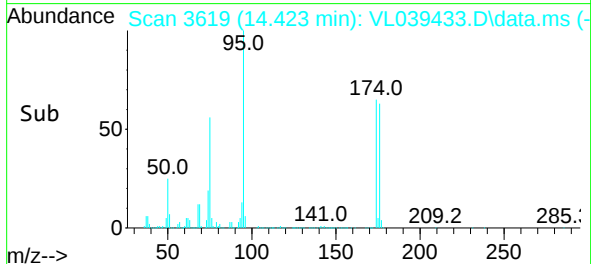
Instrument :
MSVOA_L
ClientSampleId :
OA1



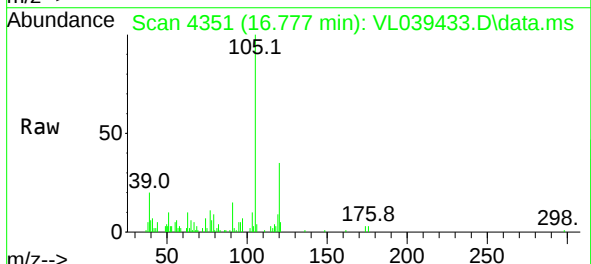
Tgt Ion: 95 Resp: 1983710
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.2 4.2 6.4

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.127 ppbv m
RT: 16.777 min Scan# 4351
Delta R.T. 0.039 min
Lab File: VL039433.D
Acq: 6 Jul 2022 00:24



Tgt Ion:105 Resp: 43855
Ion Ratio Lower Upper
105 100
120 35.0 39.5 59.3#
91 15.3 39.2 58.8#
77 11.1 17.2 25.8#

