

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039378.D
 Acq On : 28 Jun 2022 4:22
 Operator : SY/AP
 Sample : N3508-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-20220624

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 06:40:03 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	5.661	49	991338	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.166	114	2950838	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.076	117	2655228	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.401	95	2001995	9.120	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.034	85	30343m	0.174	ppbv	
3) Chlorodifluoromethane	2.977	51	54122m	0.429	ppbv	
4) Chloromethane	3.134	50	77101	1.190	ppbv	94
9) Propene	2.999	41	13011m	0.237	ppbv	
10) Heptane	8.108	43	16448m	0.128	ppbv	
11) Trichlorofluoromethane	3.944	101	37797	0.240	ppbv #	79
13) Ethanol	3.610	45	172289m	57.440	ppbv	
15) Acetone	3.845	43	1729647	16.749	ppbv	99
17) tert-Butyl alcohol	4.298	59	12285m	0.153	ppbv	
19) Isopropyl Alcohol	3.967	45	123834	2.557	ppbv #	62
20) Methylene Chloride	4.340	84	206548	4.746	ppbv	91
23) Vinyl Acetate	5.060	43	152388	1.784	ppbv #	88
26) Hexane	5.677	57	129630m	1.267	ppbv	
29) Chloroform	5.748	83	56328	0.327	ppbv	90
34) 2-Butanone	5.247	43	246845m	1.540	ppbv	
35) Carbon Tetrachloride	7.018	117	13442m	0.062	ppbv	
36) Benzene	6.886	78	36269	0.151	ppbv	96
41) Tetrahydrofuran	6.060	42	15463m	0.160	ppbv	
44) 2,2,4-Trimethylpentane	7.867	57	49690m	0.119	ppbv	
50) 4-Methyl-2-Pentanone	8.748	43	35373m	0.147	ppbv	
51) 2-Hexanone	10.137	43	30398m	0.163	ppbv	
52) Tetrachloroethene	11.204	164	3792m	0.041	ppbv	
53) Toluene	9.799	91	130595	0.473	ppbv	99
59) m/p-Xylene	12.963	91	57585m	0.179	ppbv	

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

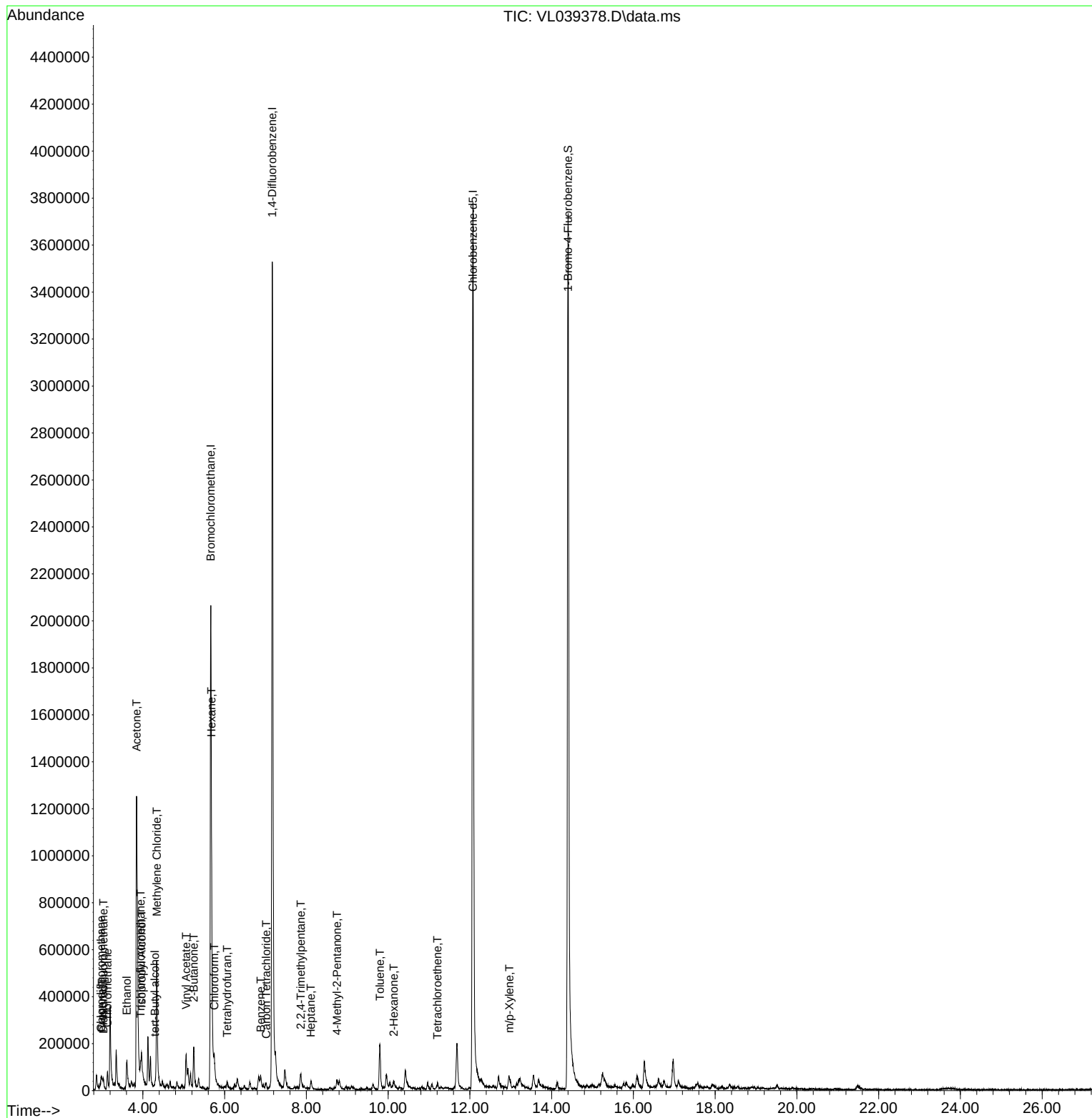
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
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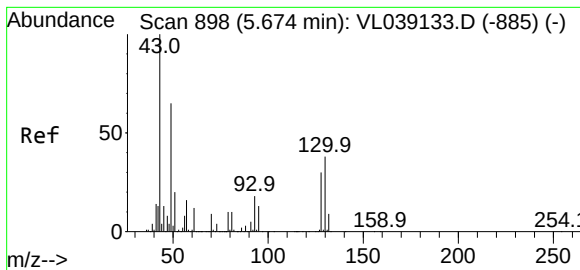
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624

Quant Time: Jun 28 06:40:03 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

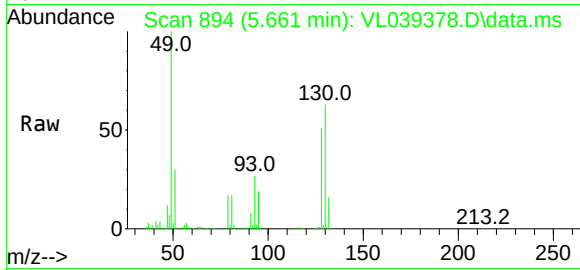
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 89
Delta R.T. -0.013 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

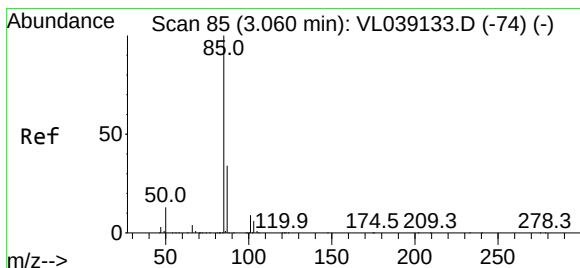
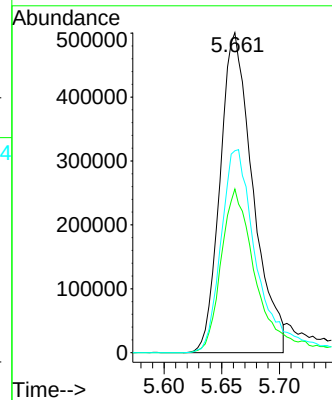
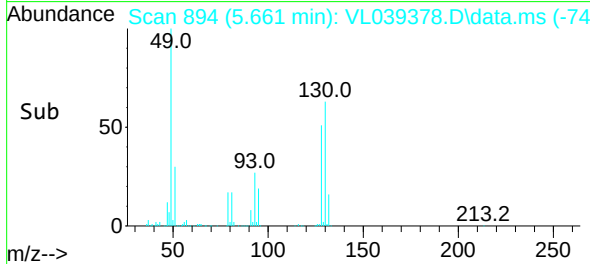
Instrument : MSVOA_L
ClientSampleId : AA-1-20220624



Tgt Ion: 49 Resp: 991338
Ion Ratio Lower Upper
49 100
128 56.5 24.7 74.1
130 73.0 31.4 94.0

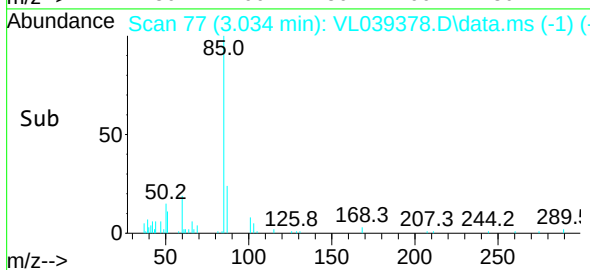
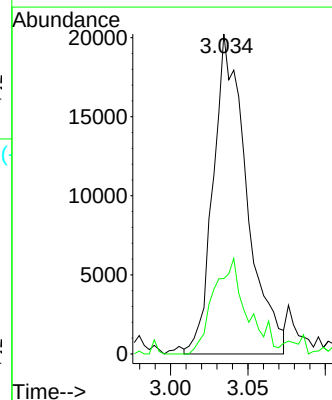
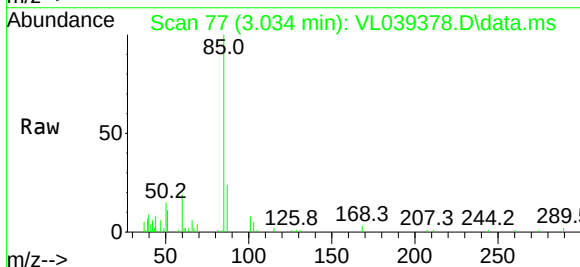
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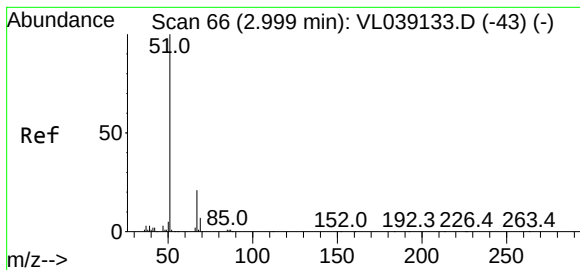
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.174 ppbv m
RT: 3.034 min Scan# 77
Delta R.T. -0.026 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

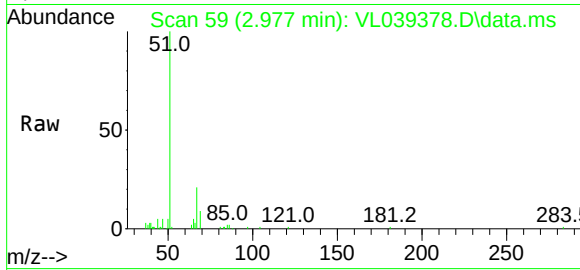
Tgt Ion: 85 Resp: 30343
Ion Ratio Lower Upper
85 100
87 23.5 26.9 40.3#





#3
Chlorodifluoromethane
Concen: 0.429 ppbv
RT: 2.977 min Scan# 51
Delta R.T. -0.022 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

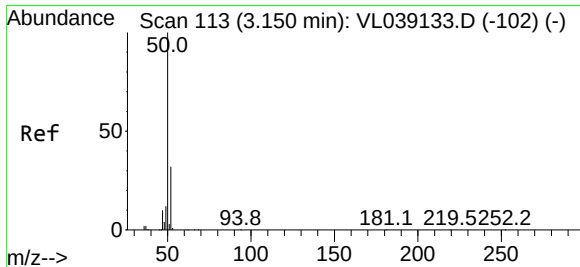
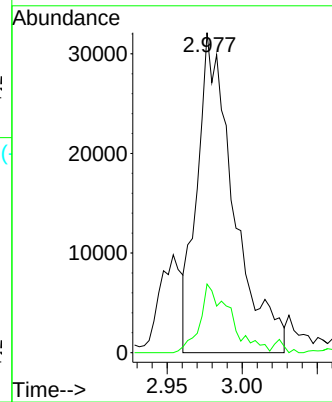
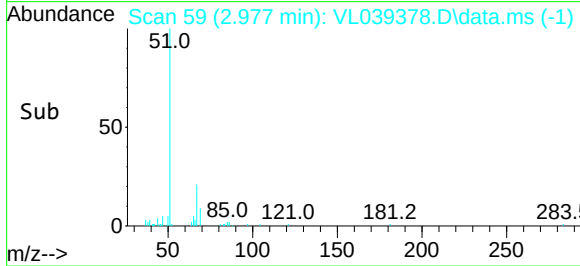
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



Tgt Ion: 51 Resp: 5412
Ion Ratio Lower Upper
51 100
67 19.0 16.2 24.4

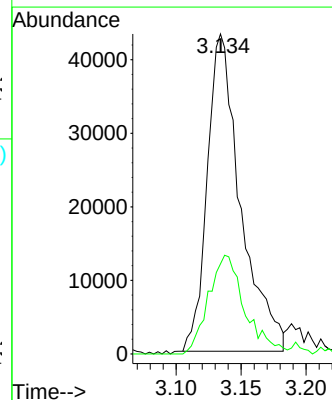
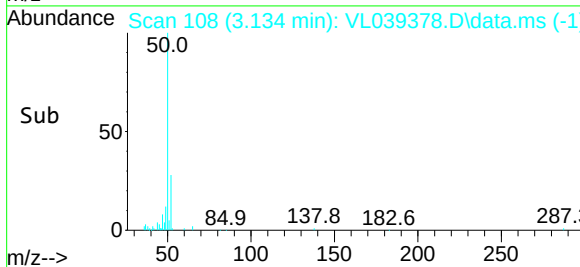
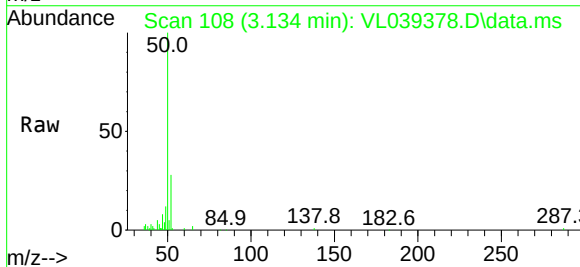
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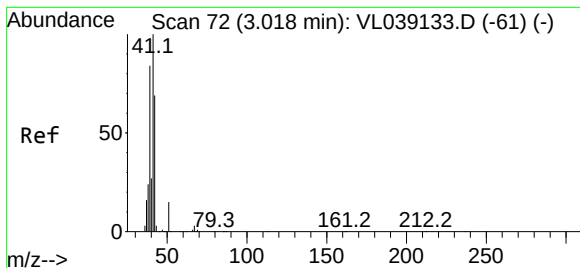
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 1.190 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.016 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

Tgt Ion: 50 Resp: 77101
Ion Ratio Lower Upper
50 100
52 29.0 25.9 38.9





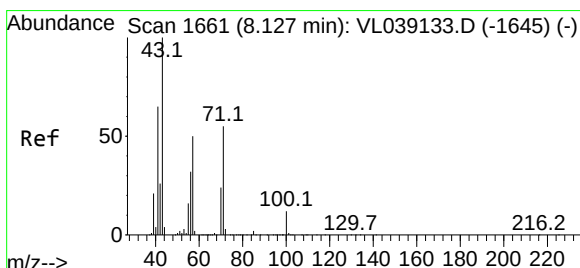
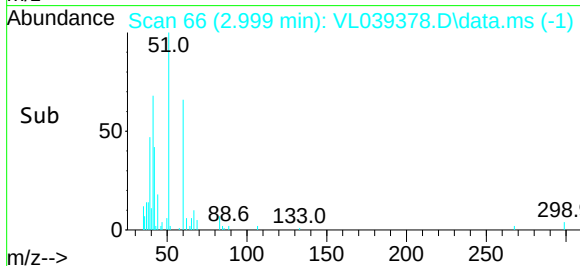
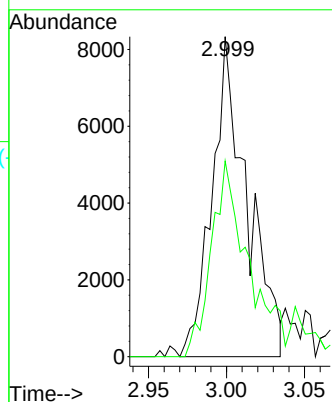
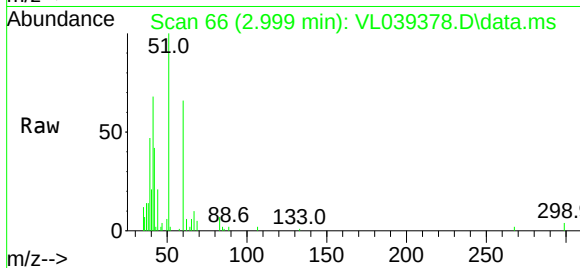
#9
 Propene
 Concen: 0.237 ppbv m
 RT: 2.999 min Scan# 61
 Delta R.T. -0.019 min
 Lab File: VL039378.D
 Acq: 28 Jun 2022 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-20220624

Tgt Ion: 41 Resp: 1301
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.4 83.2

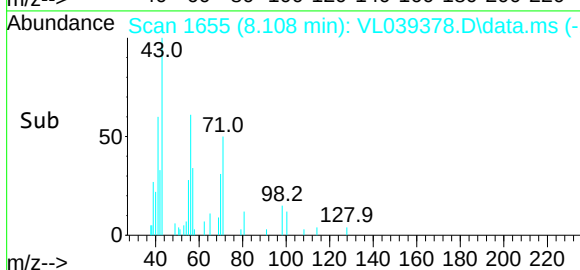
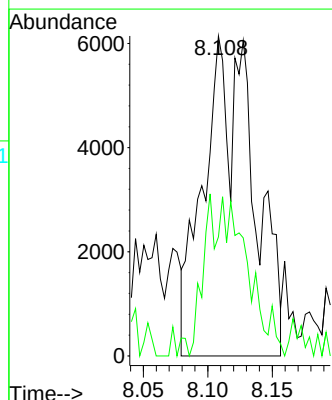
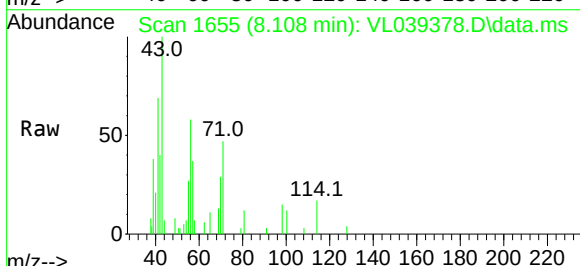
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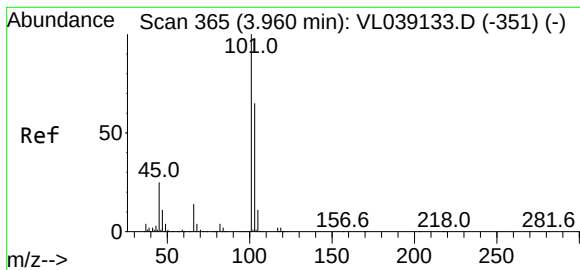
Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.128 ppbv m
 RT: 8.108 min Scan# 1655
 Delta R.T. -0.019 min
 Lab File: VL039378.D
 Acq: 28 Jun 2022 4:22

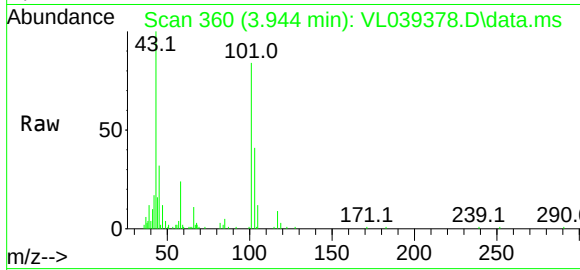
Tgt Ion: 43 Resp: 16448
 Ion Ratio Lower Upper
 43 100
 57 46.5 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.240 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.016 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

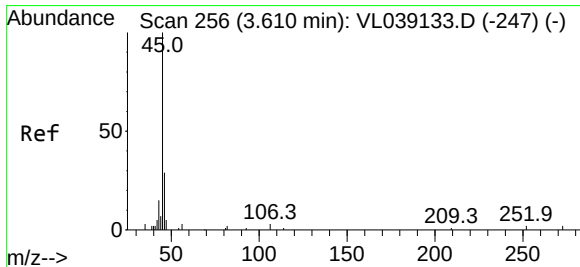
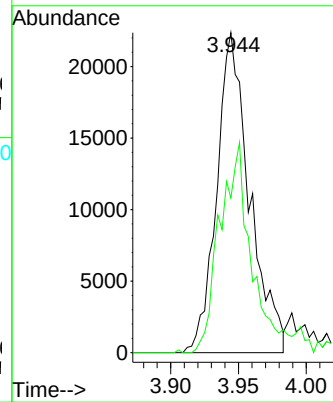
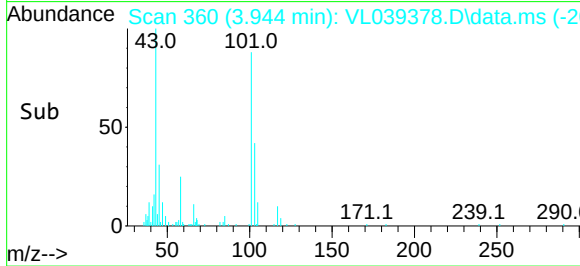
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



Tgt Ion:101 Resp: 3779
Ion Ratio Lower Upper
101 100
103 48.3 51.7 77.5

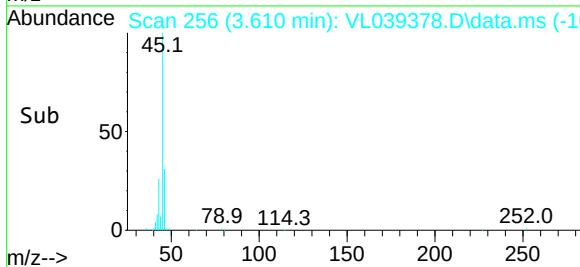
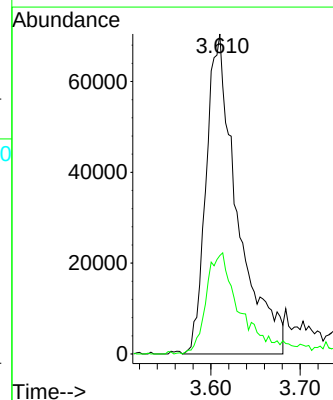
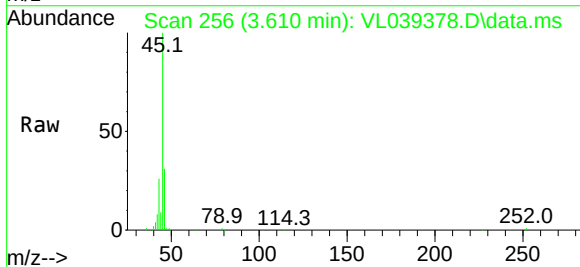
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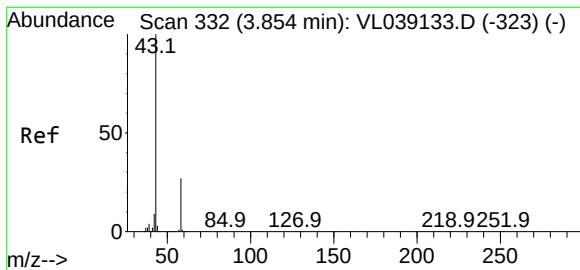
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#13
Ethanol
Concen: 57.440 ppbv m
RT: 3.610 min Scan# 256
Delta R.T. 0.000 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

Tgt Ion: 45 Resp: 172289
Ion Ratio Lower Upper
45 100
46 36.1 0.0 0.0#





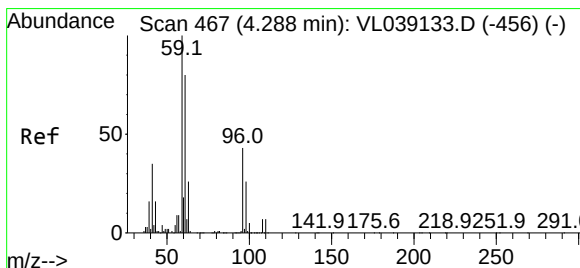
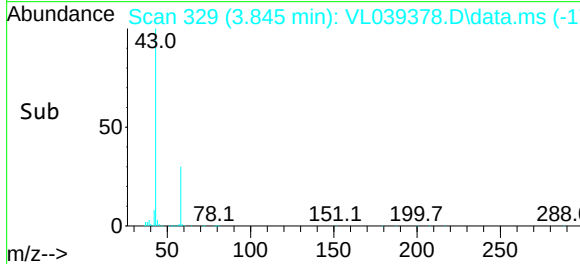
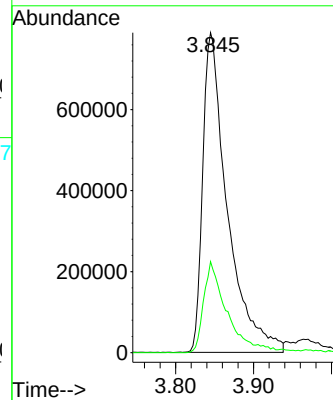
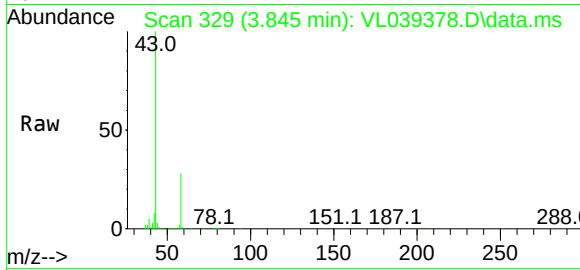
#15
Acetone
Concen: 16.749 ppbv
RT: 3.845 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

Instrument : MSVOA_L
ClientSampleId : AA-1-20220624

Tgt Ion: 43 Resp: 172964
Ion Ratio Lower Upper
43 100
58 27.5 22.5 33.7

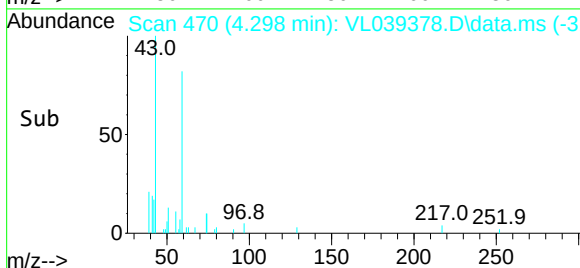
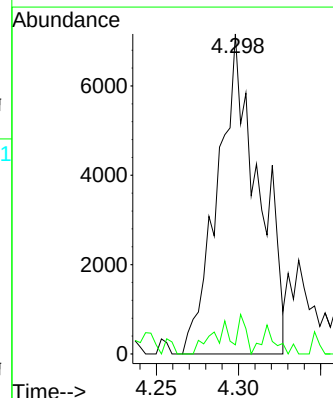
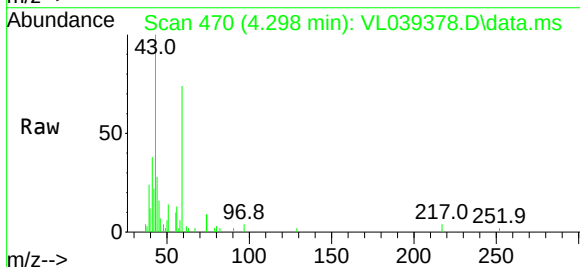
Manual Integrations
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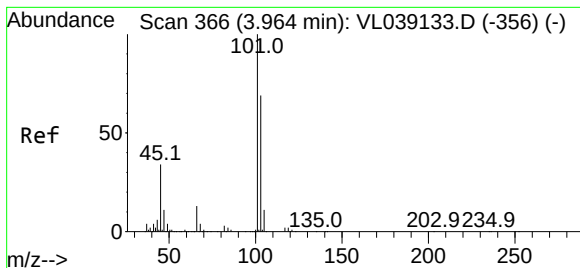
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#17
tert-Butyl alcohol
Concen: 0.153 ppbv m
RT: 4.298 min Scan# 470
Delta R.T. 0.010 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

Tgt Ion: 59 Resp: 12285
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 2.557 ppbv

RT: 3.967 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL039378.D

Acq: 28 Jun 2022 4:22

Instrument :

MSVOA_L

ClientSampleId :

AA-1-20220624

Tgt Ion: 45 Resp: 123834

Ion Ratio Lower Upper

45 100

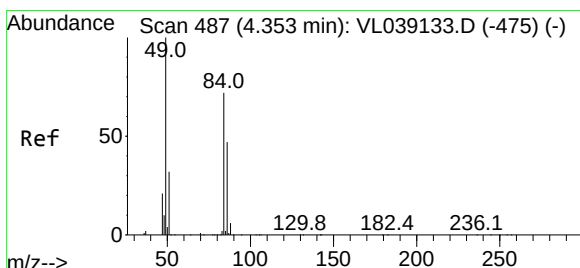
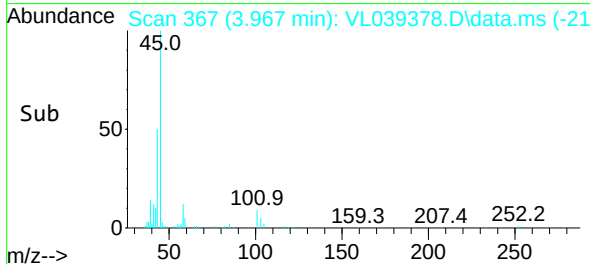
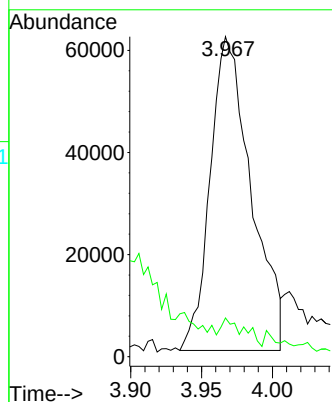
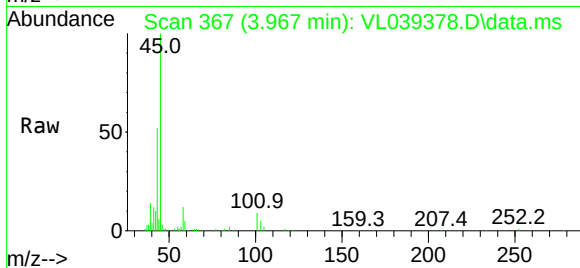
58 15.3 1.8 2.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#20

Methylene Chloride

Concen: 4.746 ppbv

RT: 4.340 min Scan# 483

Delta R.T. -0.013 min

Lab File: VL039378.D

Acq: 28 Jun 2022 4:22

Tgt Ion: 84 Resp: 206548

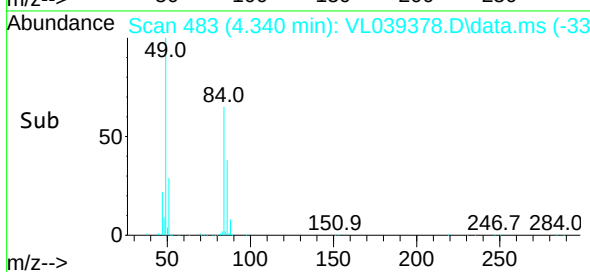
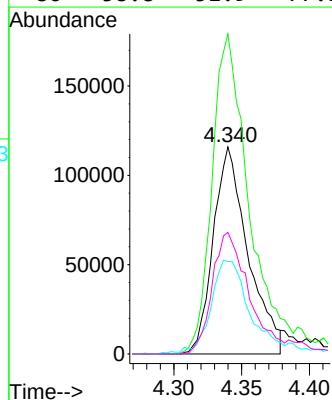
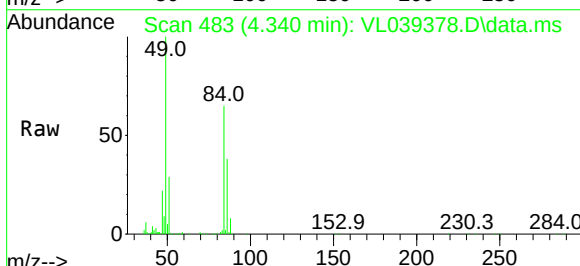
Ion Ratio Lower Upper

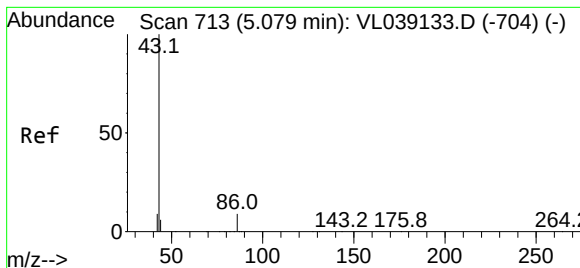
84 100

49 154.2 111.1 166.7

51 43.8 35.3 52.9

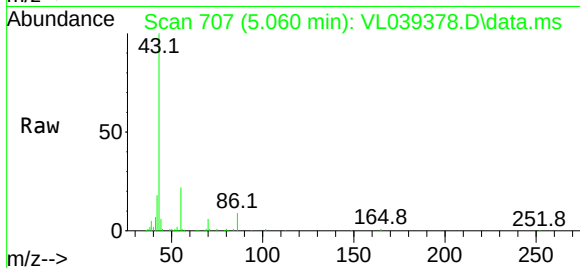
86 58.8 51.9 77.9





#23
 Vinyl Acetate
 Concen: 1.784 ppbv
 RT: 5.060 min Scan# 707
 Delta R.T. -0.019 min
 Lab File: VL039378.D
 Acq: 28 Jun 2022 4:22

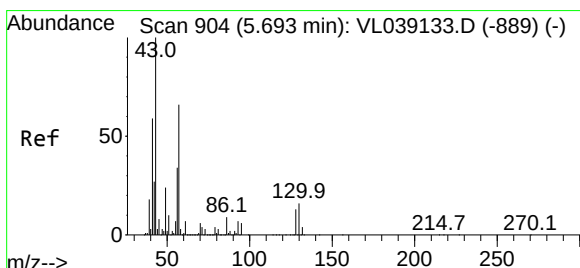
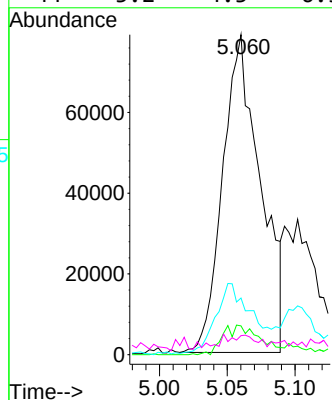
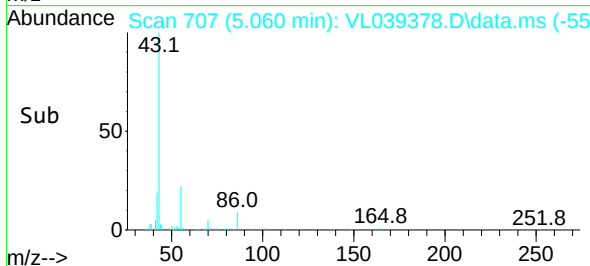
Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1-20220624



Tgt Ion: 43 Resp: 15238
 Ion Ratio Lower Upper
 43 100
 86 9.1 6.0 9.0
 42 17.5 8.2 12.4
 44 3.2 4.3 6.5

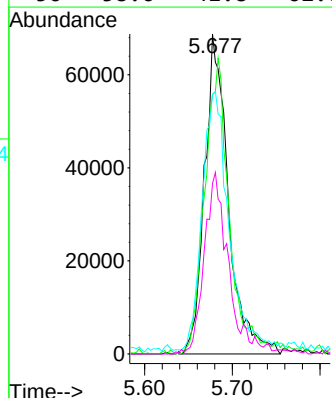
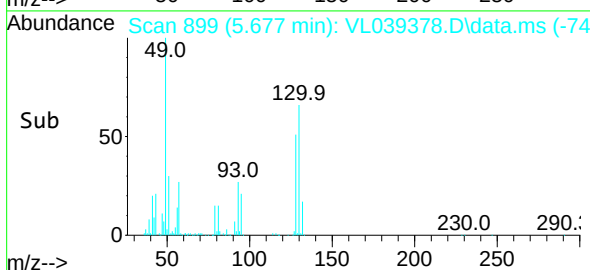
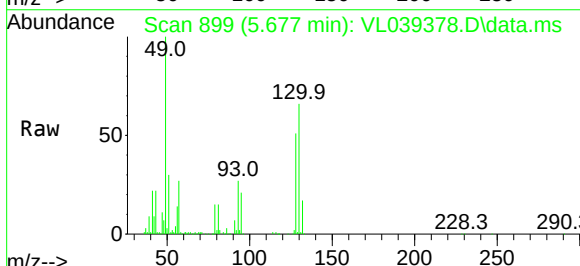
Manual Integrations
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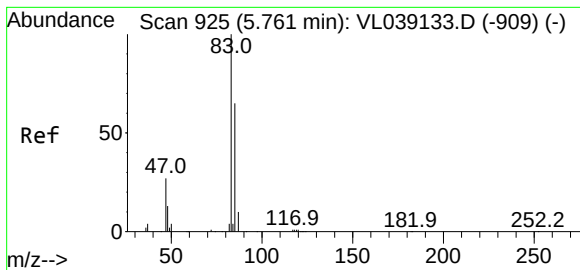
Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#26
 Hexane
 Concen: 1.267 ppbv m
 RT: 5.677 min Scan# 899
 Delta R.T. -0.016 min
 Lab File: VL039378.D
 Acq: 28 Jun 2022 4:22

Tgt Ion: 57 Resp: 129630
 Ion Ratio Lower Upper
 57 100
 41 96.9 72.4 108.6
 43 92.0 187.0 280.6
 56 58.6 41.8 62.6





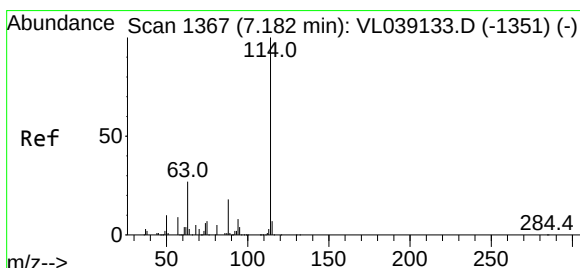
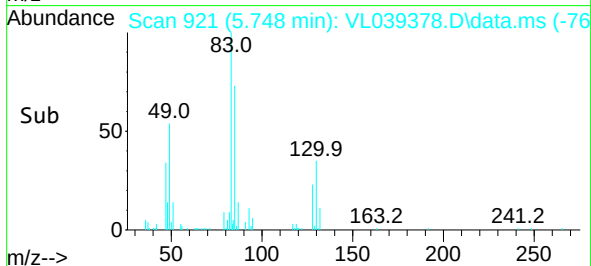
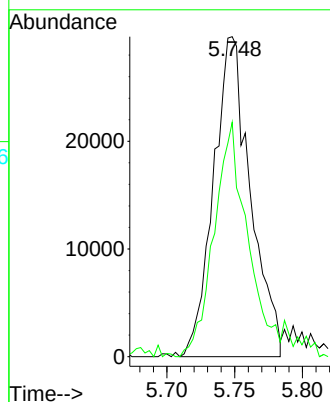
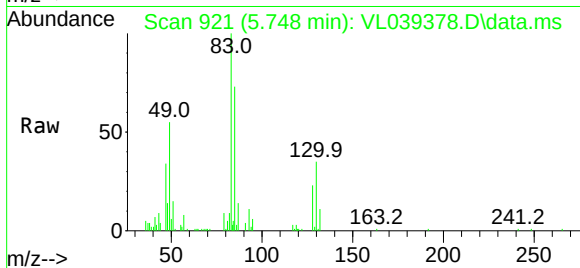
#29
Chloroform
Concen: 0.327 ppbv
RT: 5.748 min Scan# 91
Delta R.T. -0.013 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624

Tgt Ion: 83 Resp: 56328
Ion Ratio Lower Upper
83 100
85 73.2 52.4 78.6

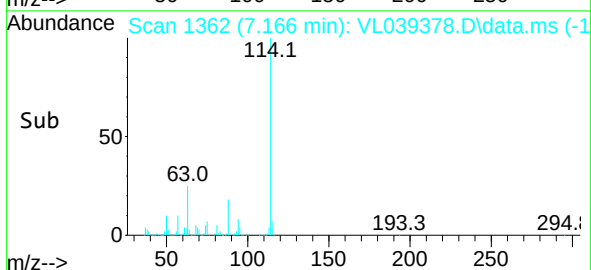
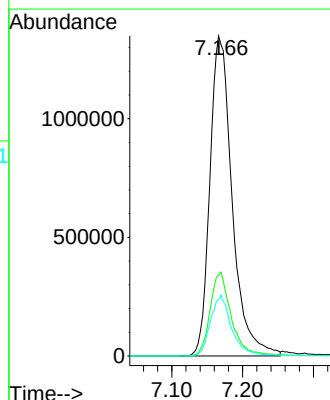
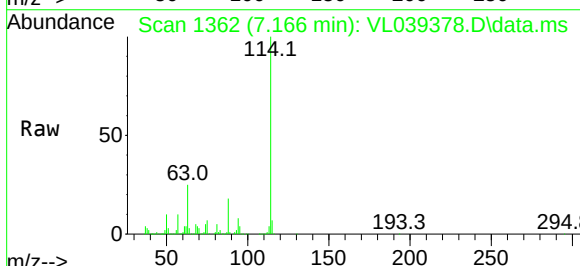
Manual Integrations
APPROVED

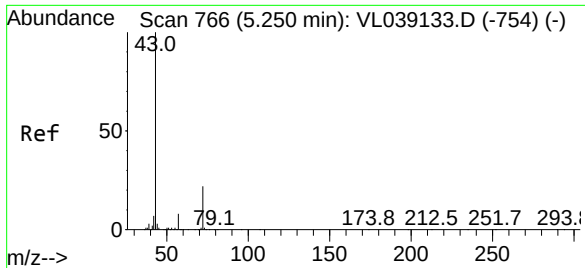
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. -0.016 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

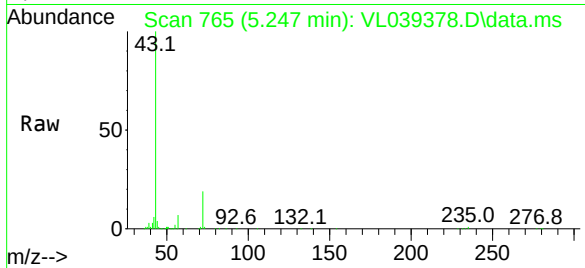
Tgt Ion:114 Resp: 2950838
Ion Ratio Lower Upper
114 100
63 25.2 21.7 32.5
88 18.2 14.8 22.2





#34
2-Butanone
Concen: 1.540 ppbv m
RT: 5.247 min Scan# 765
Delta R.T. -0.003 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

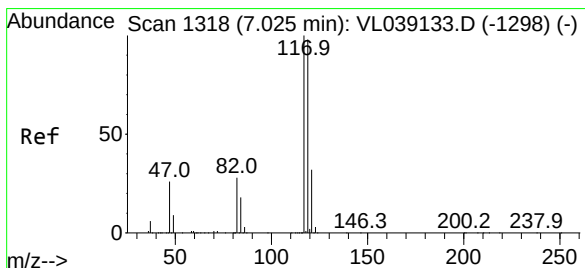
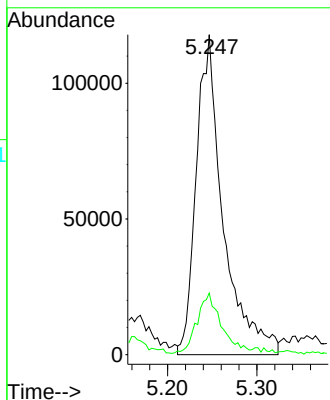
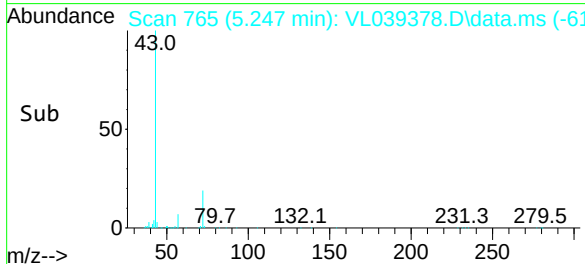
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



Tgt Ion: 43 Resp: 246849
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2

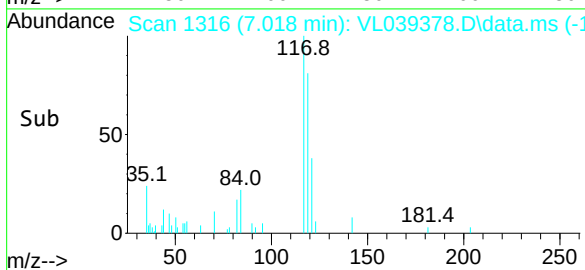
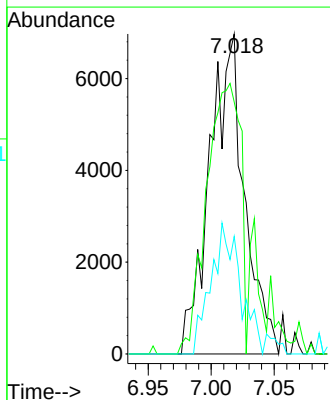
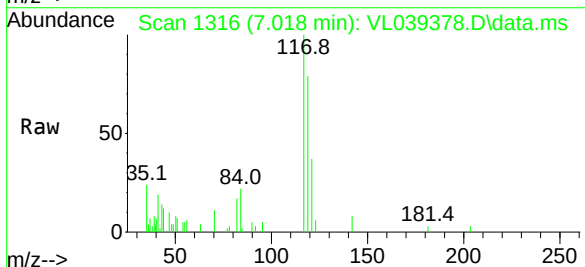
Manual Integrations
APPROVED

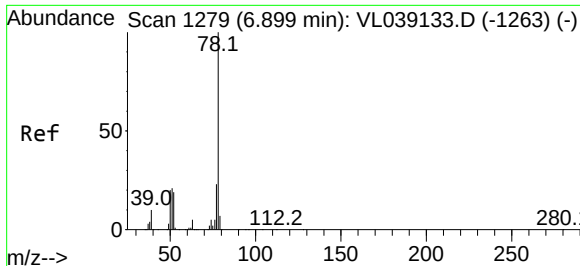
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 7.018 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

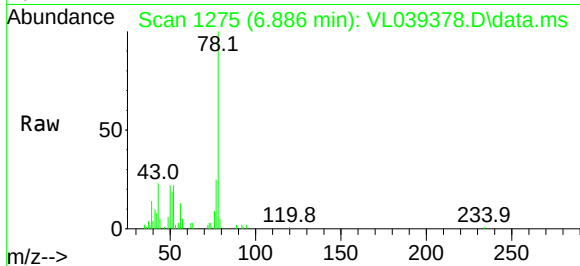
Tgt Ion:117 Resp: 13442
Ion Ratio Lower Upper
117 100
119 78.8 78.6 118.0
121 36.7 25.4 38.0





#36
Benzene
Concen: 0.151 ppbv
RT: 6.886 min Scan# 1018
Delta R.T. -0.013 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

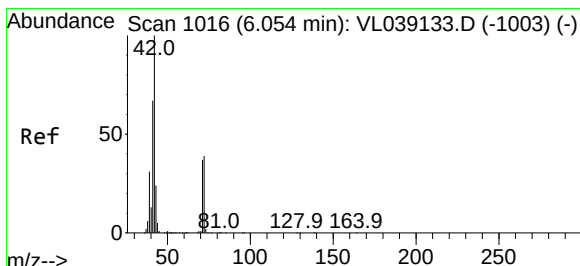
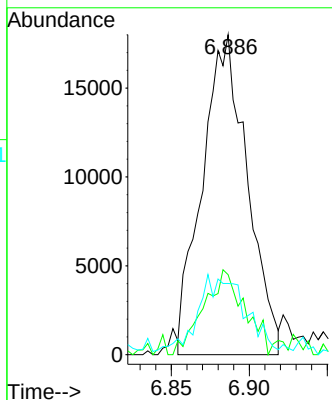
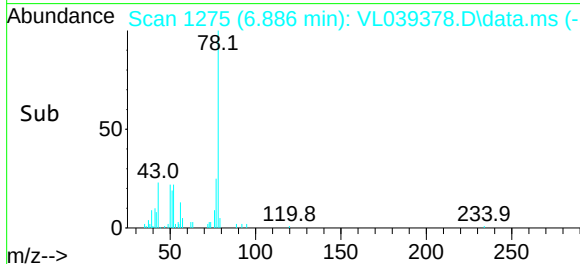
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



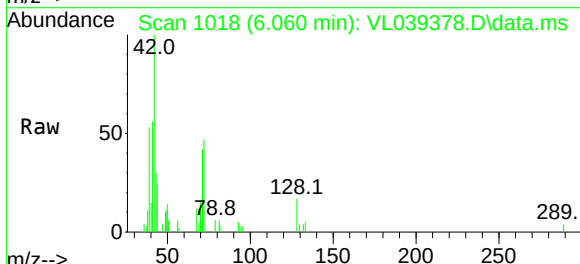
Tgt Ion: 78 Resp: 36269
Ion Ratio Lower Upper
78 100
77 21.6 18.6 27.8
50 21.7 15.8 23.8

Manual Integrations
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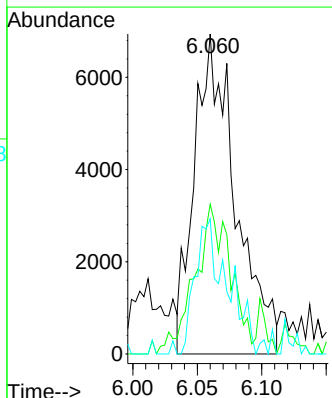
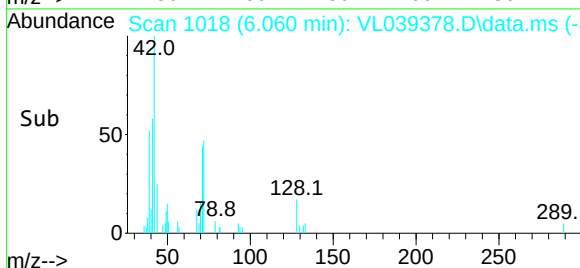
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

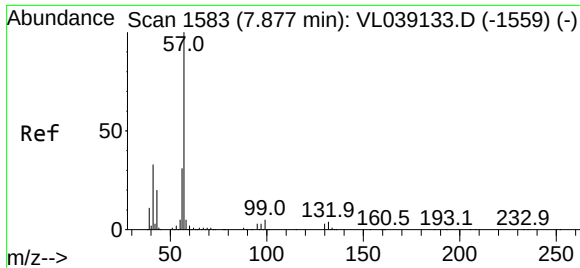


#41
Tetrahydrofuran
Concen: 0.160 ppbv m
RT: 6.060 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22



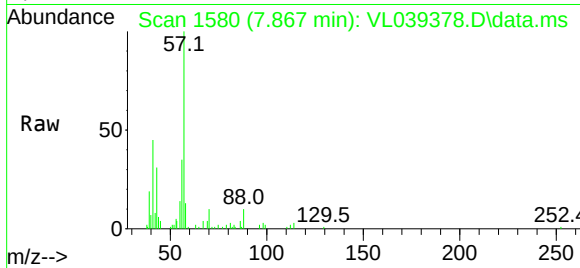
Tgt Ion: 42 Resp: 15463
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 31.1 46.7#





#44
2,2,4-Trimethylpentane
Concen: 0.119 ppbv m
RT: 7.867 min Scan# 1583
Delta R.T. -0.010 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

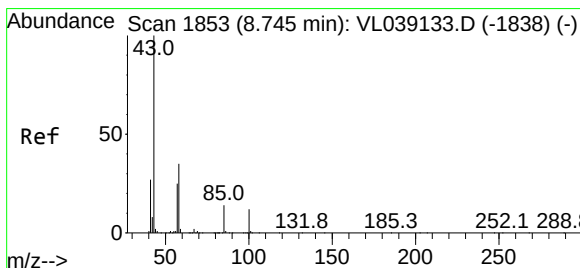
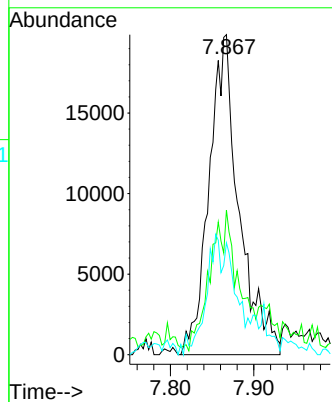
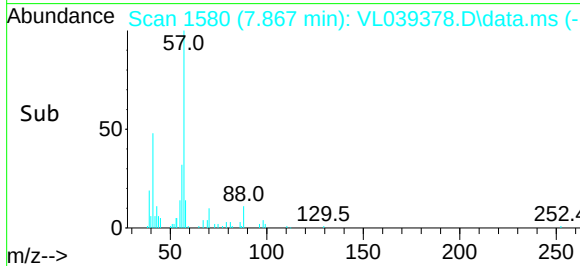
Instrument : MSVOA_L
ClientSampleId : AA-1-20220624



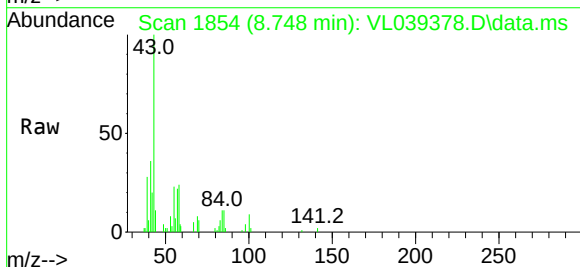
Tgt Ion: 57 Resp: 49690
Ion Ratio Lower Upper
57 100
41 0.0 26.2 39.4
56 45.0 24.7 37.1

Manual Integrations
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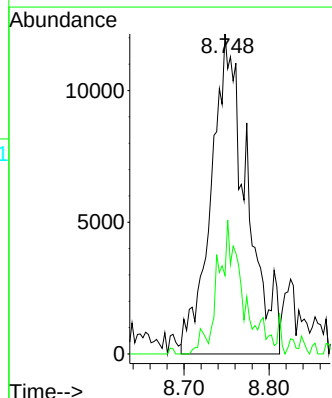
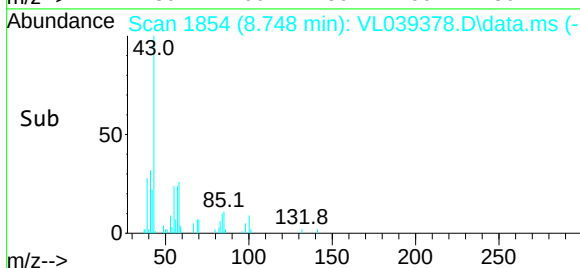
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

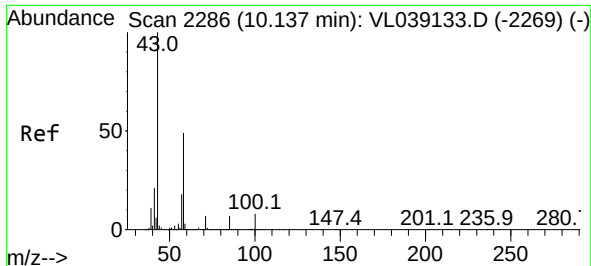


#50
4-Methyl-2-Pentanone
Concen: 0.147 ppbv m
RT: 8.748 min Scan# 1854
Delta R.T. 0.003 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22



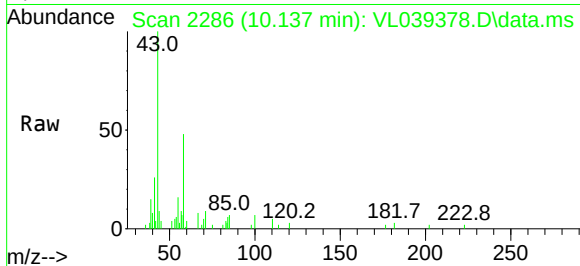
Tgt Ion: 43 Resp: 35373
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1





#51
2-Hexanone
Concen: 0.163 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. 0.000 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

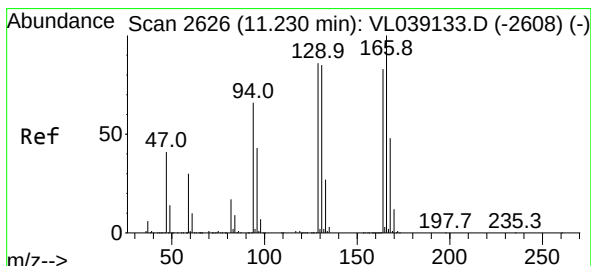
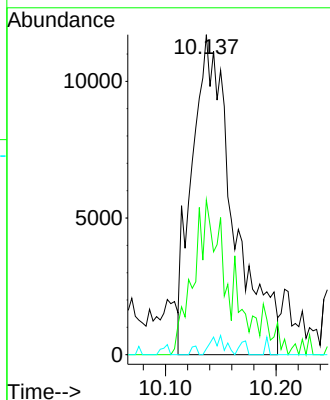
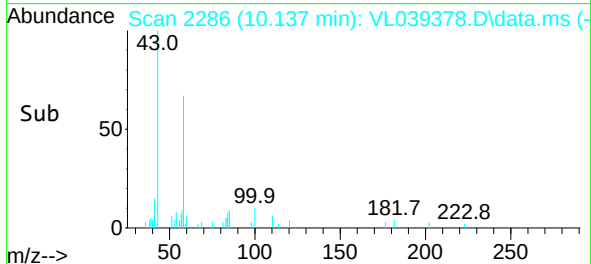
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



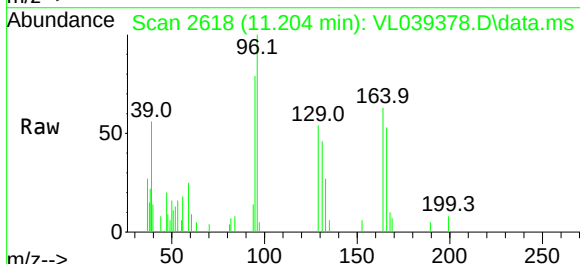
Tgt Ion: 43 Resp: 30398
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0
98 0.0 0.1 0.1

Manual Integrations
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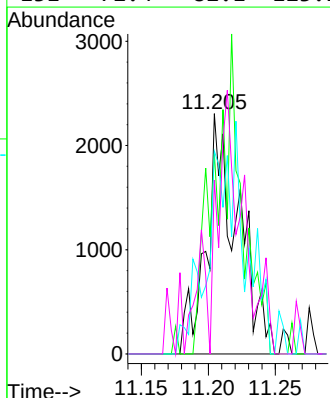
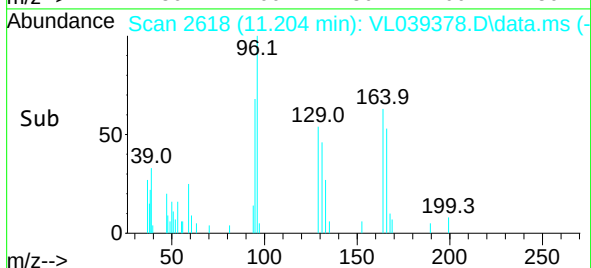
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

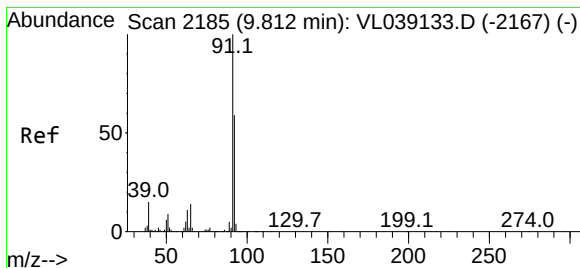


#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 11.204 min Scan# 2618
Delta R.T. -0.026 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22



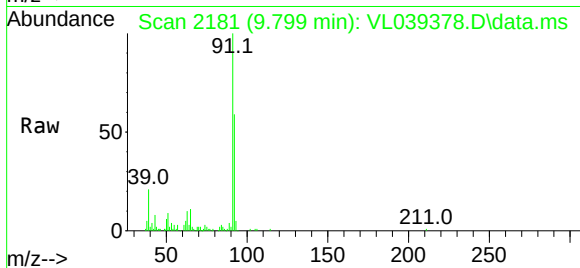
Tgt Ion:164 Resp: 3792
Ion Ratio Lower Upper
164 100
166 83.3 96.3 144.5#
129 84.4 82.5 123.7
131 72.4 82.1 123.1#





#53
Toluene
Concen: 0.473 ppbv
RT: 9.799 min Scan# 2185
Delta R.T. -0.013 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22

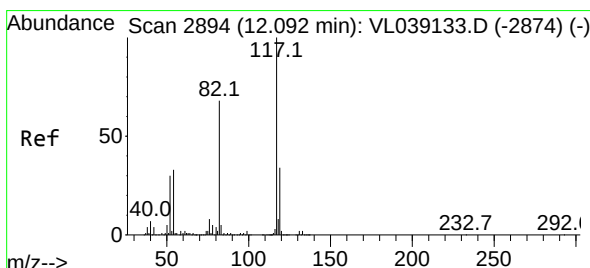
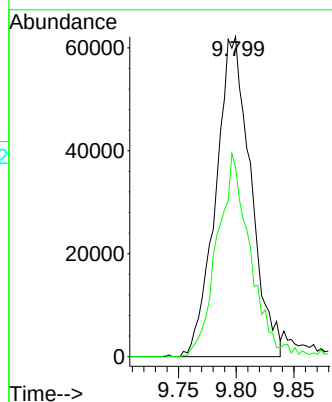
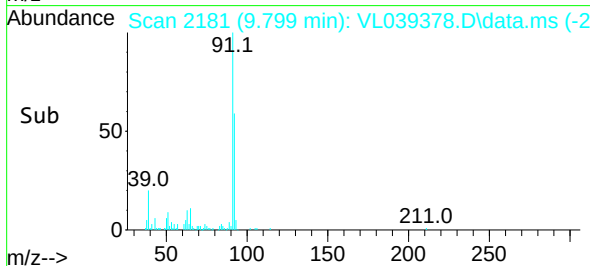
Instrument :
MSVOA_L
ClientSampleId :
AA-1-20220624



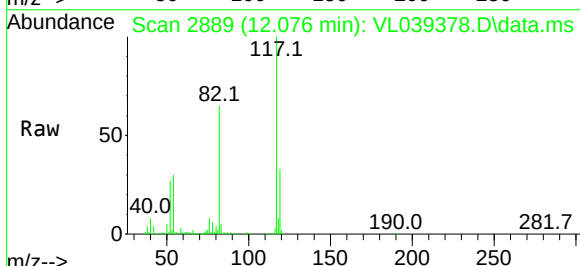
Tgt Ion: 91 Resp: 130598
Ion Ratio Lower Upper
91 100
92 61.2 48.1 72.1

Manual Integrations
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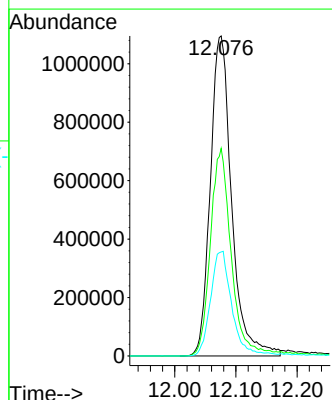
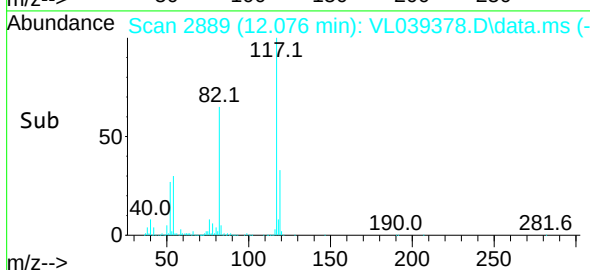
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

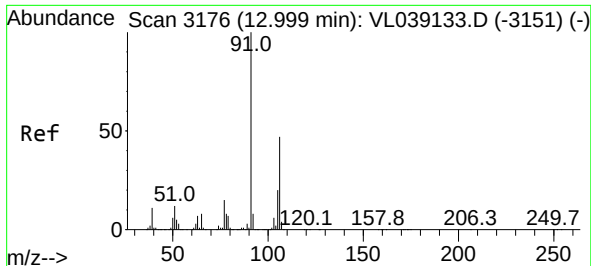


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.076 min Scan# 2889
Delta R.T. -0.016 min
Lab File: VL039378.D
Acq: 28 Jun 2022 4:22



Tgt Ion:117 Resp: 2655228
Ion Ratio Lower Upper
117 100
82 64.7 55.1 82.7
119 33.3 24.7 37.1





#59

m/p-Xylene

Concen: 0.179 ppbv

RT: 12.963 min Scan# 3176

Delta R.T. -0.035 min

Lab File: VL039378.D

Acq: 28 Jun 2022 4:22

Instrument :

MSVOA_L

ClientSampleId :

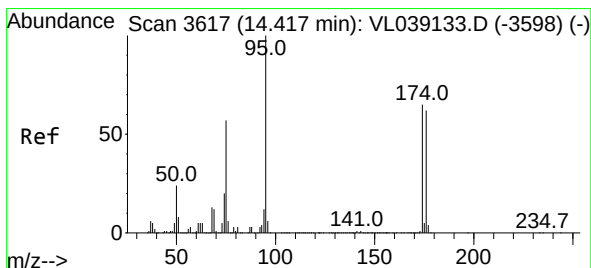
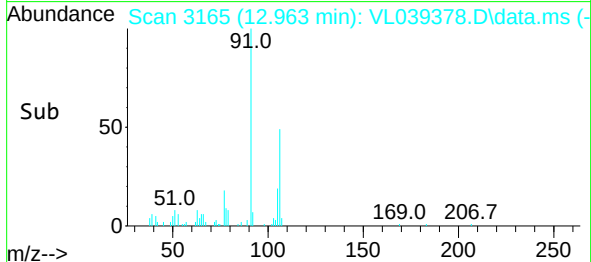
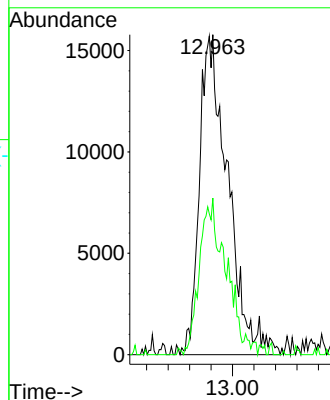
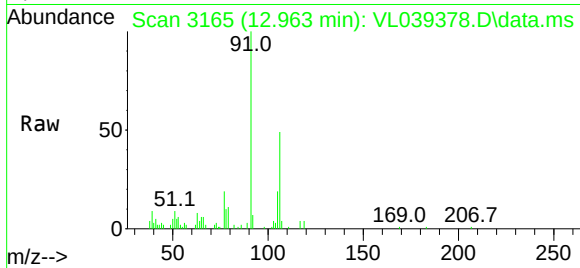
AA-1-20220624

Tgt Ion: 91 Resp: 5758
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.120 ppbv

RT: 14.401 min Scan# 3612

Delta R.T. -0.016 min

Lab File: VL039378.D

Acq: 28 Jun 2022 4:22

Tgt Ion: 95 Resp: 2001995
 Ion Ratio Lower Upper
 95 100
 174 69.0 53.8 80.8
 175 5.0 4.1 6.1

