

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038600.D
 Acq On : 14 Mar 2022 17:38
 Operator : SY/AP
 Sample : N1645-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2022

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2022
 Supervised By :Mahesh Dadoda 03/18/2022

Quant Time: Mar 15 01:40:32 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.645	49	807105	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.147	114	1986507	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.053	117	1751202	10.000	ppbv	#-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.384 95 1304001 9.794 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

Target Compounds

					Qvalue	
5) Vinyl Chloride	3.243	62	1768m	0.033	ppbv	
6) Bromomethane	3.468	94	431	0.015	ppbv #	6
7) Chloroethane	3.539	64	182	0.011	ppbv #	32
9) Propene	3.002	41	919	0.018	ppbv #	1
10) Heptane	8.092	43	934	0.008	ppbv #	1
11) Trichlorofluoromethane	3.964	101	233	0.002	ppbv	100
16) 1,3-Butadiene	3.317	39	728	0.016	ppbv #	1
17) tert-Butyl alcohol	4.317	59	1196	0.019	ppbv #	73
22) trans-1,2-Dichloroethene	4.870	96	778	0.020	ppbv #	79
23) Vinyl Acetate	5.050	43	373	0.005	ppbv #	79
25) Ethyl Acetate	5.652	43	566	0.003	ppbv #	75
26) Hexane	5.661	57	1687	0.019	ppbv #	1
27) Carbon Disulfide	4.533	76	508	0.006	ppbv #	66
28) Methyl tert-Butyl Ether	5.092	73	145	0.002	ppbv	96
29) Chloroform	5.758	83	360	0.003	ppbv	85
30) Cyclohexane	7.102	84	726	0.009	ppbv #	1
31) cis-1,2-Dichloroethene	5.533	61	1435	0.017	ppbv #	73
32) 1,1,1-Trichloroethane	6.488	97	4190m	0.031	ppbv	
34) 2-Butanone	5.224	43	61	0.001	ppbv #	54
35) Carbon Tetrachloride	6.986	117	4369m	0.032	ppbv	
36) Benzene	6.864	78	3118	0.017	ppbv #	80
37) 1,2-Dichloroethane	6.282	62	1110	0.013	ppbv #	79
38) Trichloroethene	7.803	130	2032m	0.028	ppbv	
40) 1,4-Dioxane	7.848	88	99	0.006	ppbv #	1
41) Tetrahydrofuran	6.044	42	120	0.003	ppbv #	37
43) Methyl Methacrylate	7.989	69	311	0.005	ppbv #	1
44) 2,2,4-Trimethylpentane	7.841	57	5894	0.019	ppbv #	59
45) t-1,3-Dichloropropene	9.243	75	223	0.005	ppbv #	41
46) cis-1,3-Dichloropropene	8.674	75	360	0.006	ppbv #	1
47) 1,1,2-Trichloroethane	9.439	97	557	0.008	ppbv #	30
48) Dibromochloromethane	10.269	129	796	0.007	ppbv #	10
49) Bromoform	13.002	173	686	0.008	ppbv #	1
50) 4-Methyl-2-Pentanone	8.729	43	55	0.001	ppbv #	38
51) 2-Hexanone	10.140	43	130	0.003	ppbv #	28
52) Tetrachloroethene	11.192	164	2186m	0.033	ppbv	
53) Toluene	9.774	91	2052	0.011	ppbv #	7
54) 1,2-Dibromoethane	10.571	107	545	0.005	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.095	131	1207	0.017	ppbv #	1
57) Chlorobenzene	12.118	112	928	0.007	ppbv #	25
58) Ethyl Benzene	12.700	91	720	0.003	ppbv	98
59) m/p-Xylene	12.960	91	1616	0.008	ppbv #	30
60) o-Xylene	13.658	91	1724	0.009	ppbv #	30
61) Styrene	13.484	104	419	0.005	ppbv #	1

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Quant Time: Mar 15 01:40:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

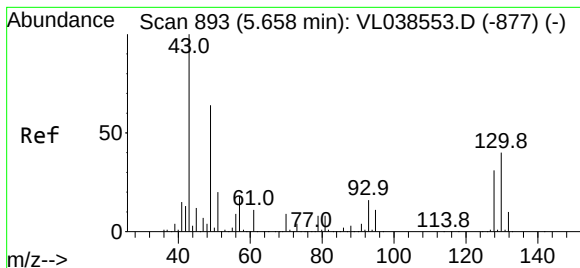
Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

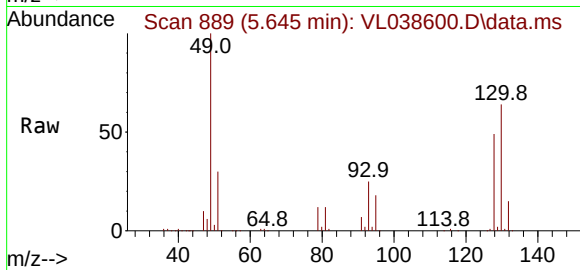
62) Isopropylbenzene	14.632	105	1175	0.005	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.658	83	5263m	0.034	ppbv	
64) n-propylbenzene	15.507	120	66	0.001	ppbv	65
65) tert-Butylbenzene	16.699	119	500	0.002	ppbv #	21
66) Benzyl Chloride	16.941	91	64	0.005	ppbv #	1
67) sec-Butylbenzene	17.262	105	3563	0.011	ppbv #	58
69) p-Isopropyltoluene	17.609	119	715	0.003	ppbv #	49
70) n-Butylbenzene	18.503	91	304	0.001	ppbv #	32
71) 2-Chlorotoluene	15.416	91	1837	0.010	ppbv #	5
72) 4-Ethyltoluene	15.796	105	727	0.003	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.960	105	845	0.004	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.728	105	1942	0.009	ppbv #	47
75) 1,3-Dichlorobenzene	16.960	146	1587	0.012	ppbv #	24
76) 1,4-Dichlorobenzene	17.098	146	821	0.006	ppbv #	23
77) 1,2-Dichlorobenzene	17.764	146	347	0.003	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.323	225	1038	0.008	ppbv #	18
79) Naphthalene	22.140	128	237	0.001	ppbv #	69
81) 1,2,4-Trichlorobenzene	21.876	180	97	0.001	ppbv #	11

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.645 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL038600.D
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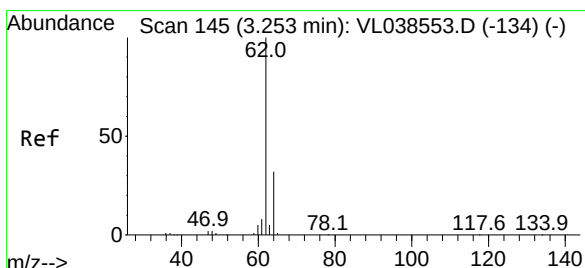
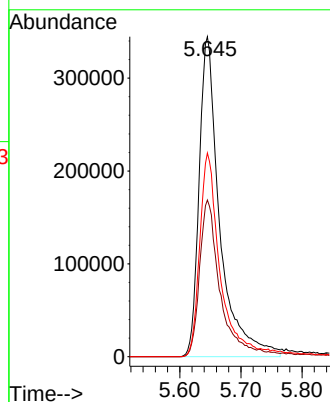
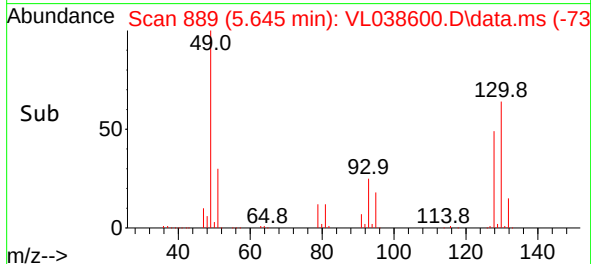
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 49 Resp: 80710
Ion Ratio Lower Upper
49 100
128 50.5 26.4 79.2
130 66.5 33.0 98.9

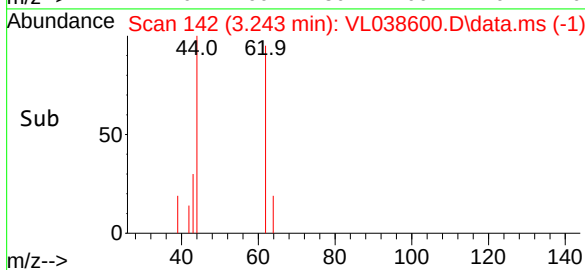
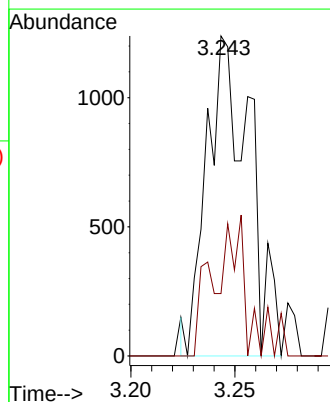
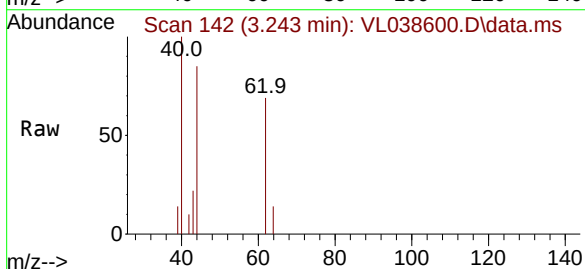
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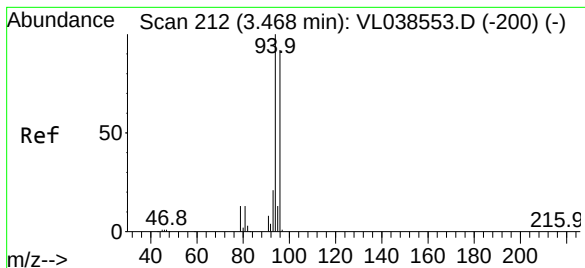
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#5
Vinyl Chloride
Concen: 0.033 ppbv m
RT: 3.243 min Scan# 142
Delta R.T. -0.010 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

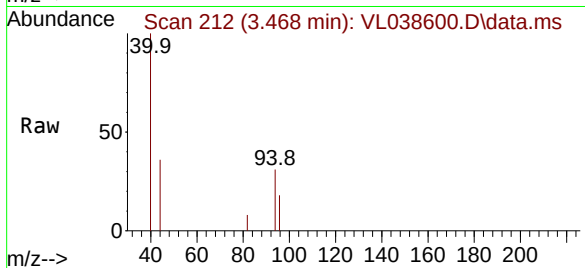
Tgt Ion: 62 Resp: 1768
Ion Ratio Lower Upper
62 100
64 19.5 25.8 38.6#





#6
Bromomethane
Concen: 0.015 ppbv
RT: 3.468 min Scan# 212
Delta R.T. 0.000 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

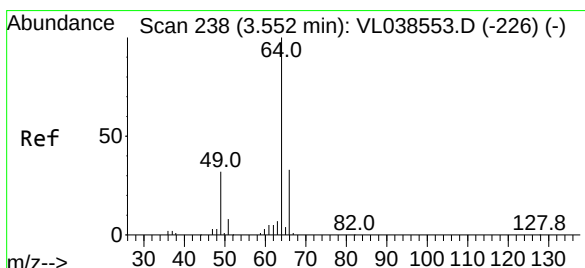
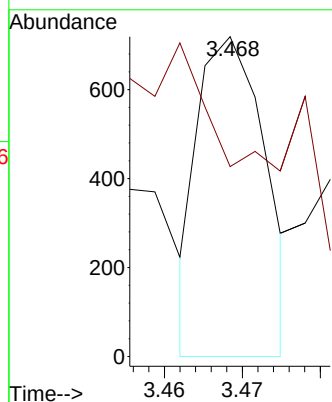
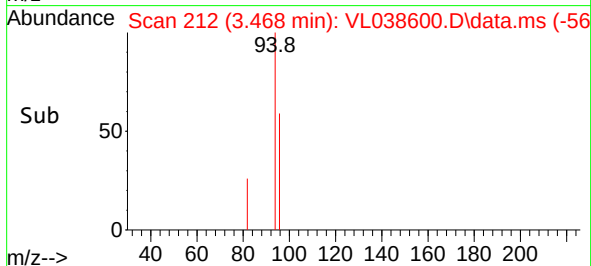
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 94 Resp: 43
Ion Ratio Lower Upper
94 100
96 2.0 73.7 110.5

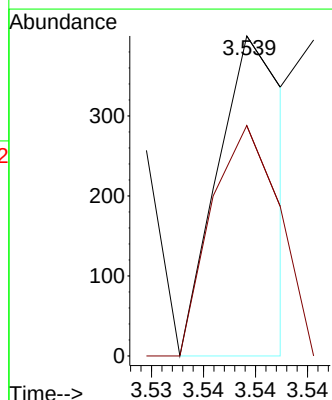
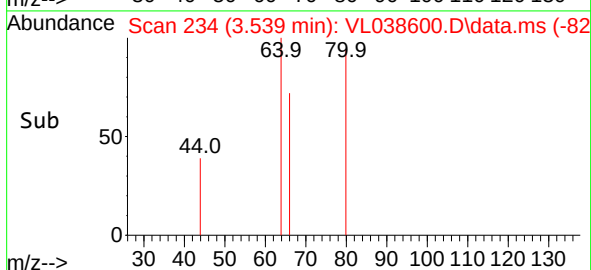
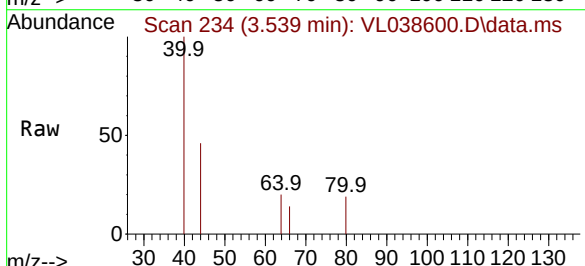
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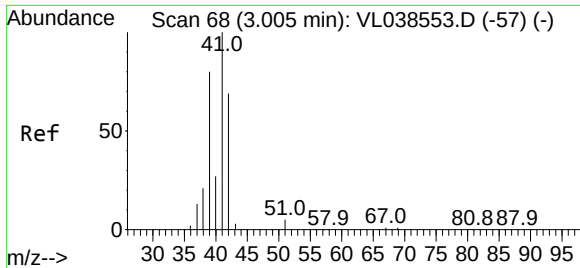
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#7
Chloroethane
Concen: 0.011 ppbv
RT: 3.539 min Scan# 234
Delta R.T. -0.013 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

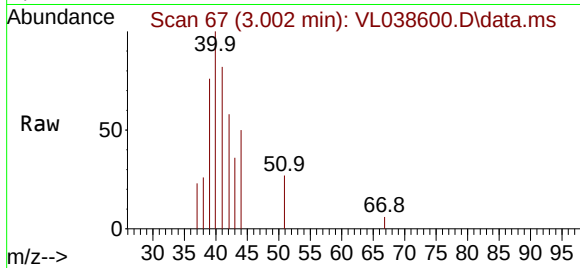
Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 72.0 26.6 39.8





#9
 Propene
 Concen: 0.018 ppbv
 RT: 3.002 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL038600.D
 Acq: 14 Mar 2022 17:38

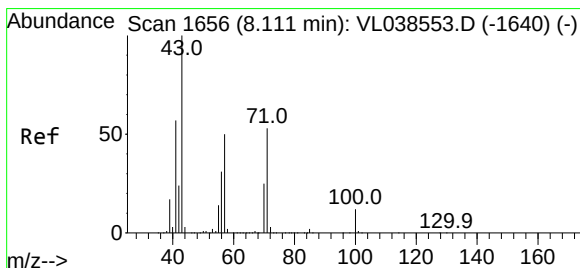
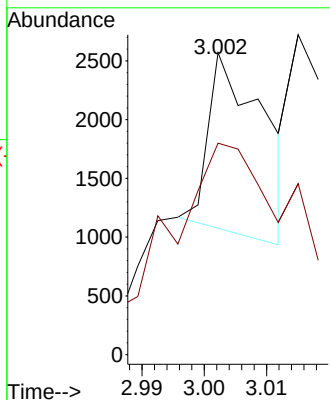
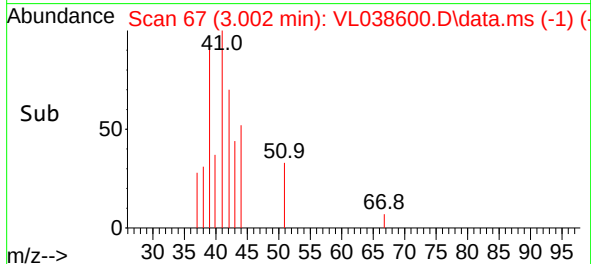
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2022



Tgt Ion: 41 Resp: 919
 Ion Ratio Lower Upper
 41 100
 42 367.6 55.7 83.5

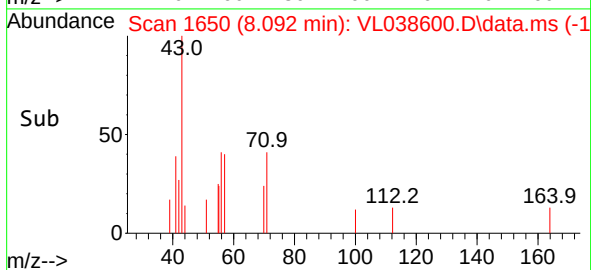
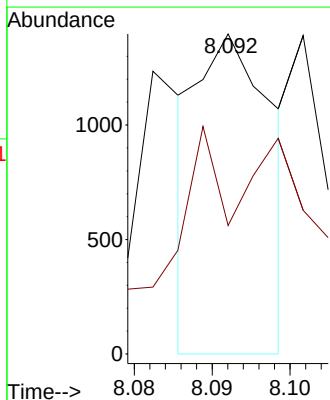
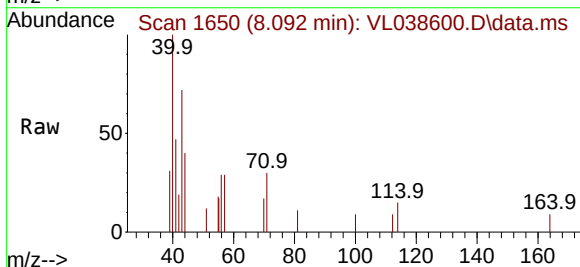
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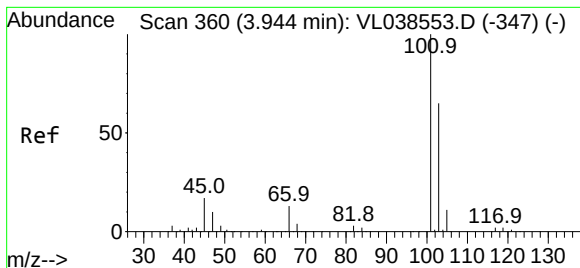
Reviewed By :Semsettin Yesilyurt 03/18/2022
 Supervised By :Mahesh Dadoda 03/18/2022



#10
 Heptane
 Concen: 0.008 ppbv
 RT: 8.092 min Scan# 1650
 Delta R.T. -0.019 min
 Lab File: VL038600.D
 Acq: 14 Mar 2022 17:38

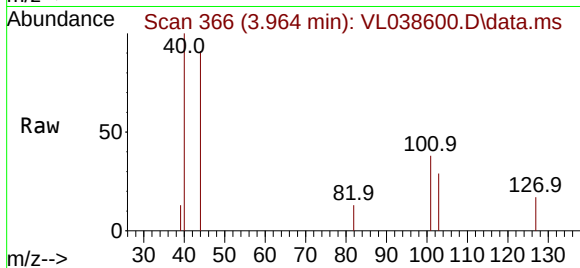
Tgt Ion: 43 Resp: 934
 Ion Ratio Lower Upper
 43 100
 57 163.2 39.6 59.4





#11
Trichlorofluoromethane
Concen: 0.002 ppbv
RT: 3.964 min Scan# 30
Delta R.T. 0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

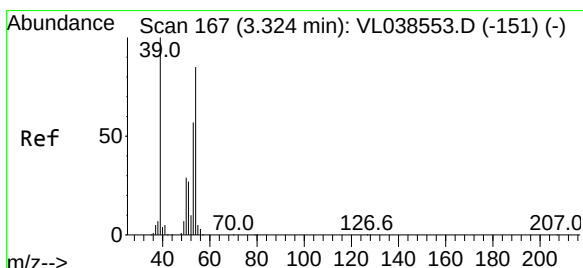
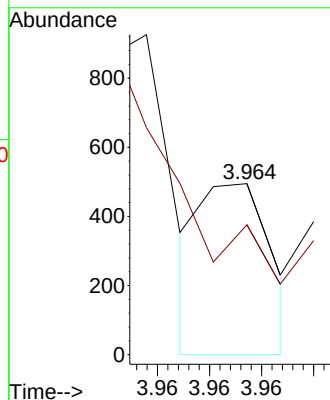
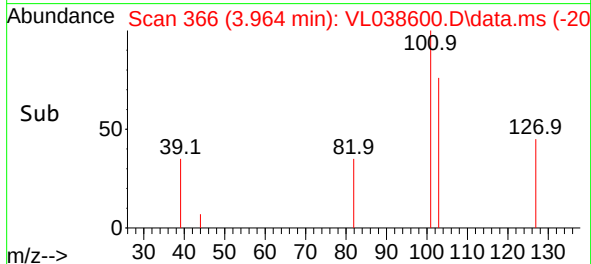
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion:101 Resp: 233
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0

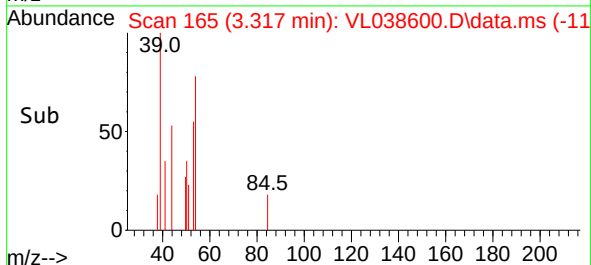
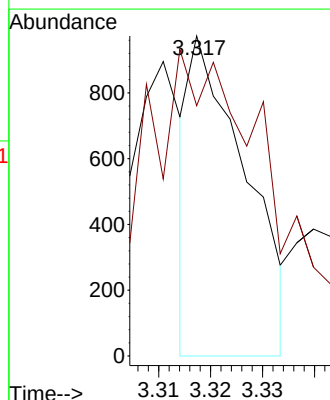
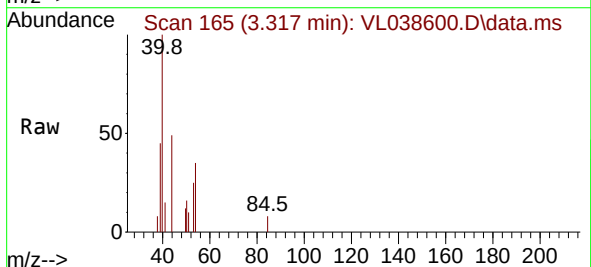
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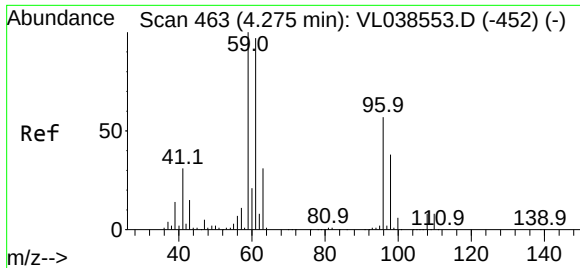
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#16
1,3-Butadiene
Concen: 0.016 ppbv
RT: 3.317 min Scan# 165
Delta R.T. -0.006 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

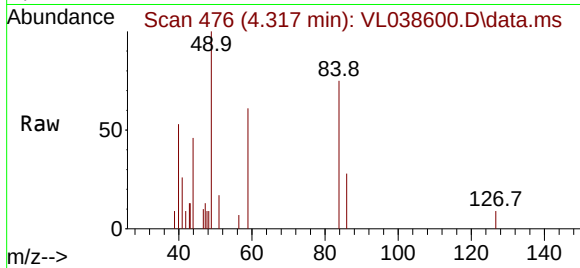
Tgt Ion: 39 Resp: 728
Ion Ratio Lower Upper
39 100
54 222.7 64.2 96.2#





#17
tert-Butyl alcohol
Concen: 0.019 ppbv
RT: 4.317 min Scan# 41
Delta R.T. 0.042 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

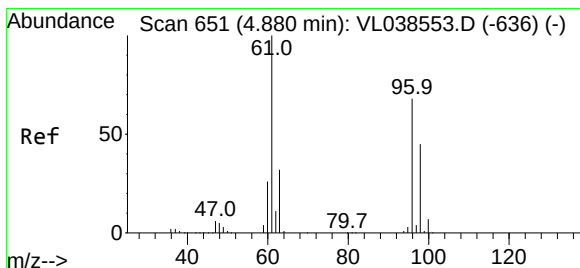
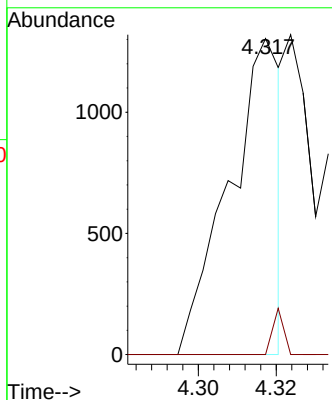
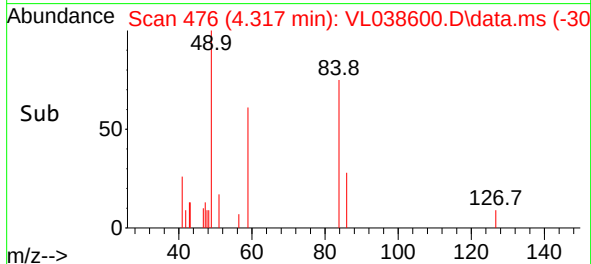
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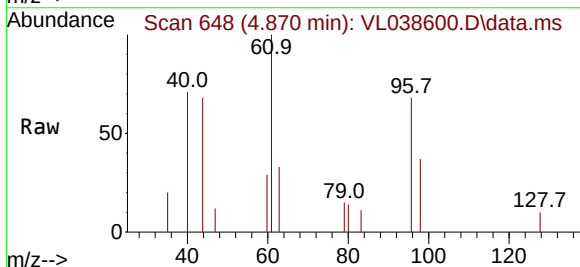
Tgt Ion: 59 Resp: 1190
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1

Manual Integrations
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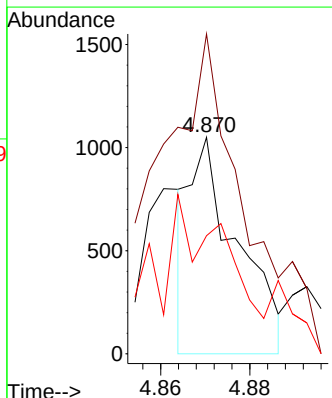
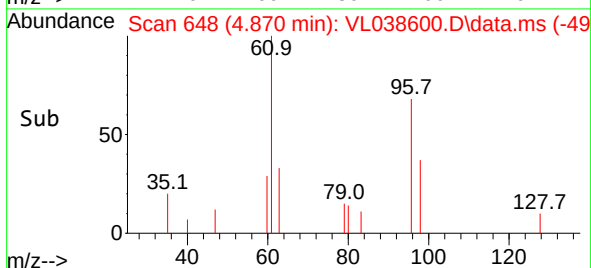
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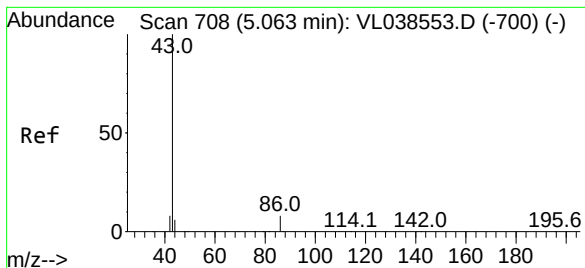


#22
trans-1,2-Dichloroethene
Concen: 0.020 ppbv
RT: 4.870 min Scan# 648
Delta R.T. -0.010 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



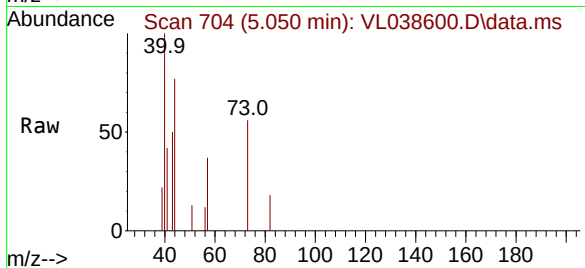
Tgt Ion: 96 Resp: 778
Ion Ratio Lower Upper
96 100
61 138.0 117.6 176.4
98 25.3 52.6 78.8





#23
 Vinyl Acetate
 Concen: 0.005 ppbv
 RT: 5.050 min Scan# 704
 Delta R.T. -0.013 min
 Lab File: VL038600.D
 Acq: 14 Mar 2022 17:38

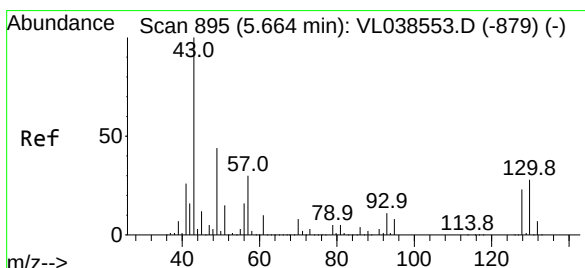
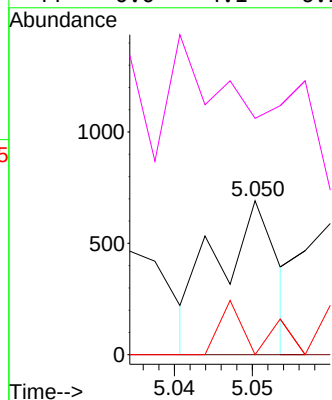
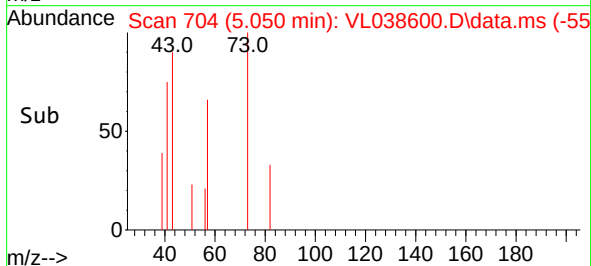
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2022



Tgt Ion: 43 Resp: 373
 Ion Ratio Lower Upper
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 86 0.0 5.6 8.4#
 42 0.0 7.1 10.7#
 44 0.0 4.1 6.1#

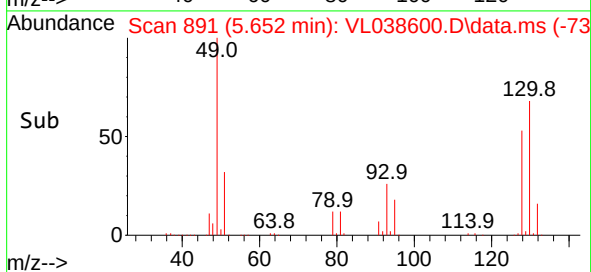
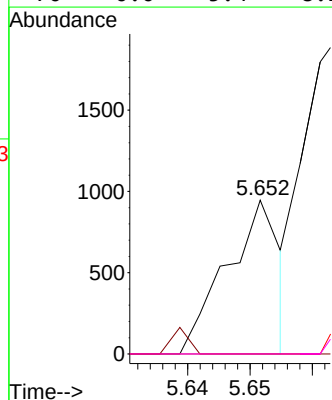
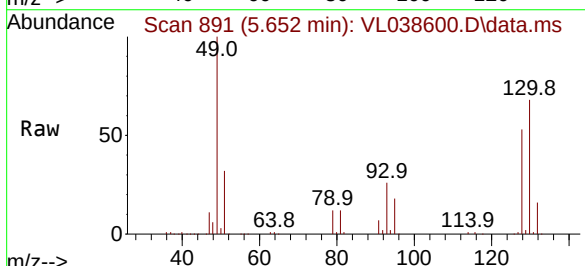
Manual Integrations
 APPROVED

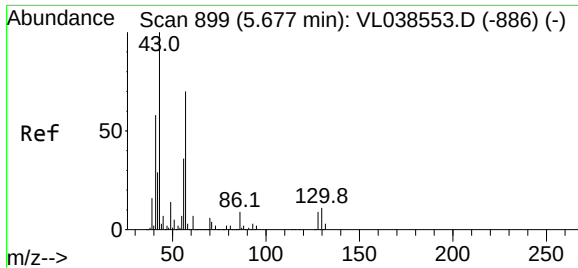
Reviewed By :Semsettin Yesilyurt 03/18/2022
 Supervised By :Mahesh Dadoda 03/18/2022



#25
 Ethyl Acetate
 Concen: 0.003 ppbv
 RT: 5.652 min Scan# 891
 Delta R.T. -0.013 min
 Lab File: VL038600.D
 Acq: 14 Mar 2022 17:38

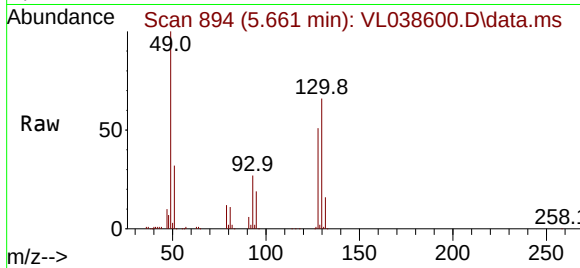
Tgt Ion: 43 Resp: 566
 Ion Ratio Lower Upper
 43 100
 45 0.0 8.0 12.0#
 61 0.0 8.2 12.4#
 70 0.0 5.4 8.2#





#26
Hexane
Concen: 0.019 ppbv
RT: 5.661 min Scan# 899
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

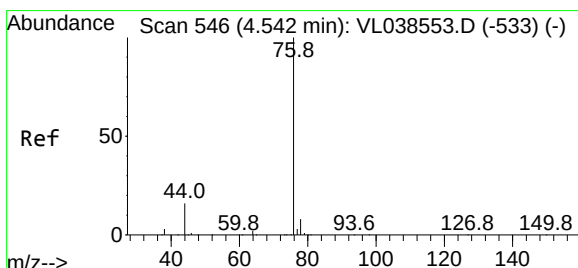
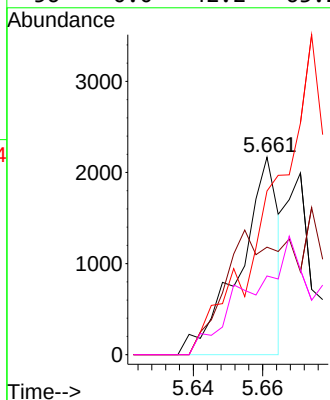
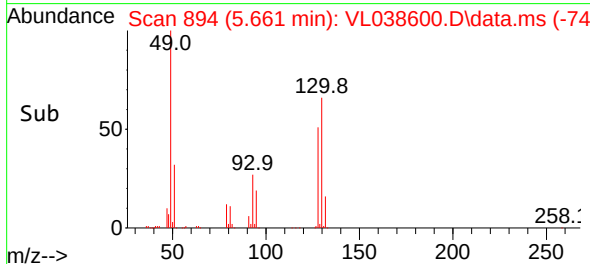
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 57 Resp: 168
Ion Ratio Lower Upper
57 100
41 0.0 67.8 101.6#
43 0.0 173.6 260.4#
56 0.0 42.2 63.2#

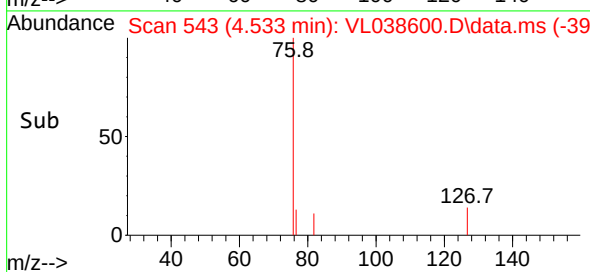
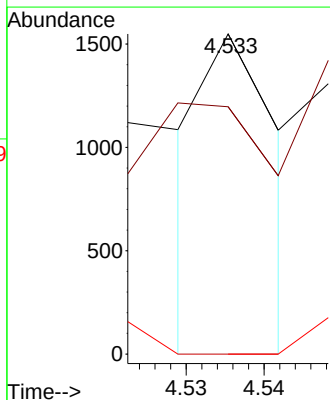
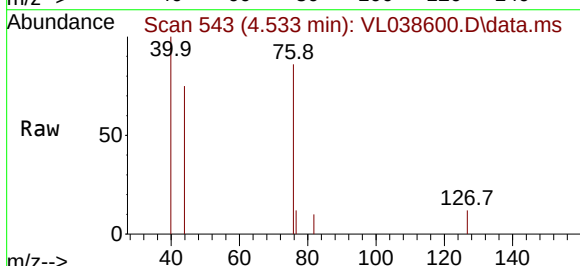
Manual Integrations
APPROVED

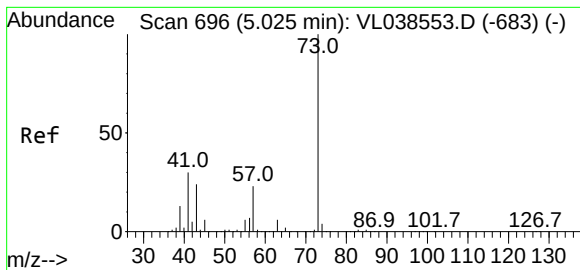
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#27
Carbon Disulfide
Concen: 0.006 ppbv
RT: 4.533 min Scan# 543
Delta R.T. -0.010 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 76 Resp: 508
Ion Ratio Lower Upper
76 100
44 0.0 12.9 19.3#
78 0.0 7.8 11.6#





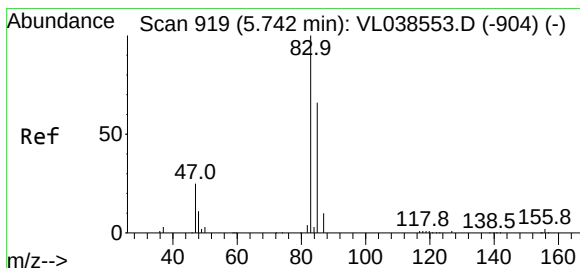
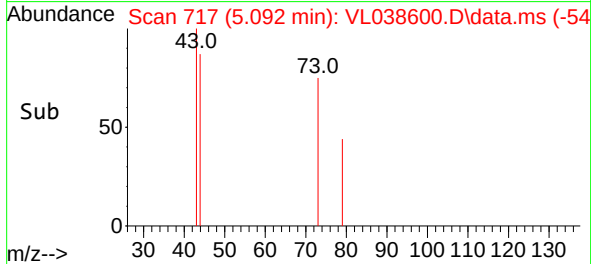
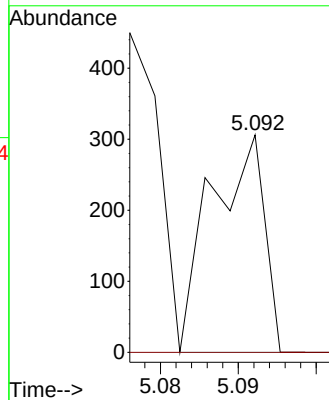
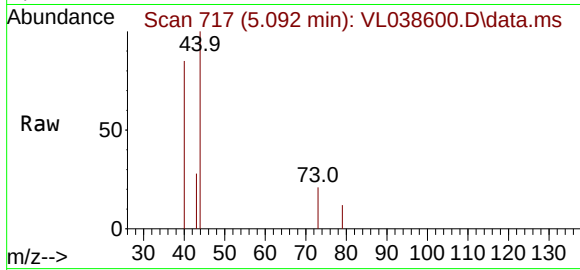
#28
Methyl tert-Butyl Ether
Concen: 0.002 ppbv
RT: 5.092 min Scan# 717
Delta R.T. 0.068 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 73 Resp: 145
Ion Ratio Lower Upper
73 100
57 21.4 18.8 28.2

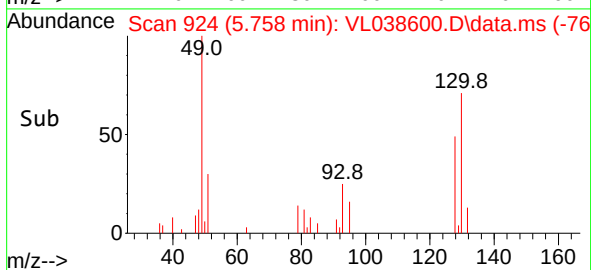
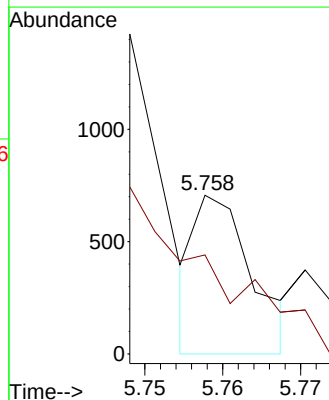
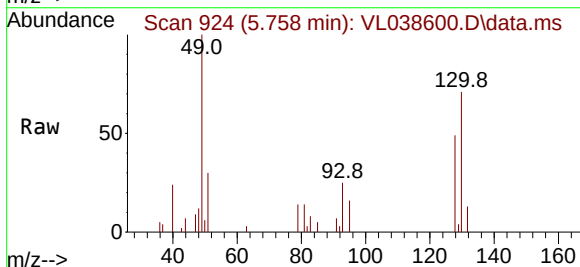
Manual Integrations
APPROVED

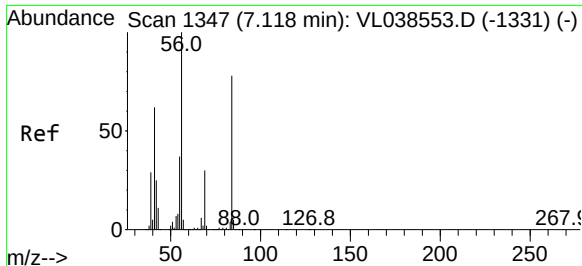
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#29
Chloroform
Concen: 0.003 ppbv
RT: 5.758 min Scan# 924
Delta R.T. 0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

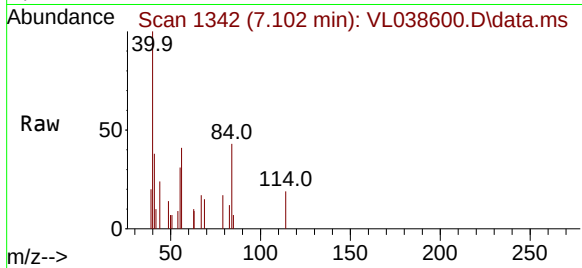
Tgt Ion: 83 Resp: 360
Ion Ratio Lower Upper
83 100
85 54.4 52.8 79.2





#30
Cyclohexane
Concen: 0.009 ppbv
RT: 7.102 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

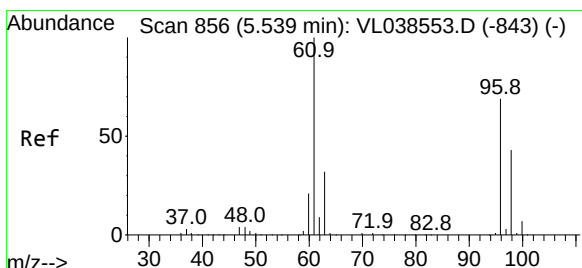
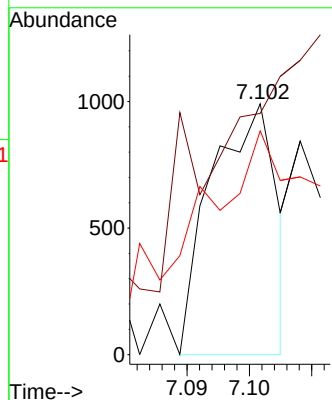
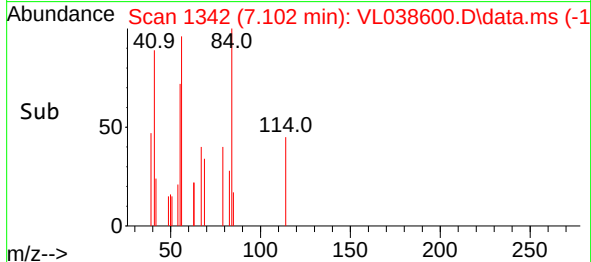
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 84 Resp: 720
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 308.3 65.5 98.3#

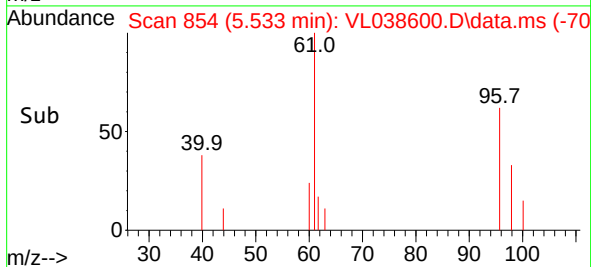
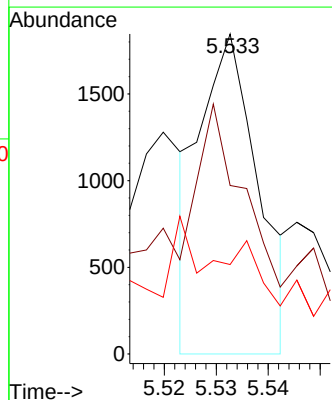
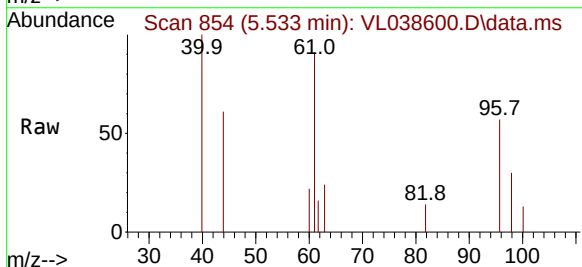
Manual Integrations
APPROVED

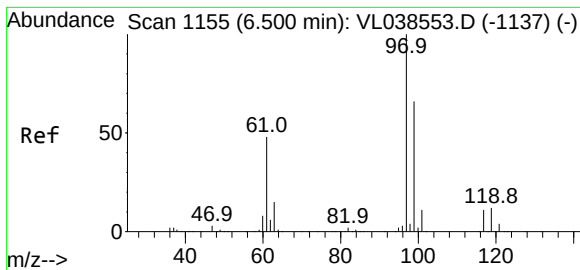
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#31
cis-1,2-Dichloroethene
Concen: 0.017 ppbv
RT: 5.533 min Scan# 854
Delta R.T. -0.006 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

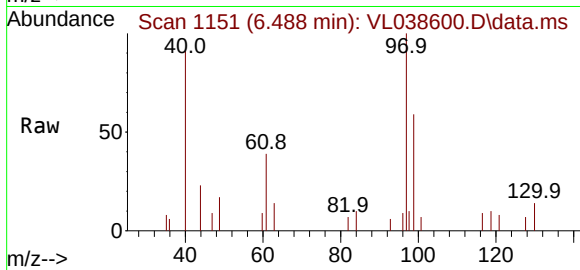
Tgt Ion: 61 Resp: 1435
Ion Ratio Lower Upper
61 100
96 50.5 55.2 82.8#
98 20.6 34.2 51.4#





#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv m
RT: 6.488 min Scan# 1155
Delta R.T. -0.013 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

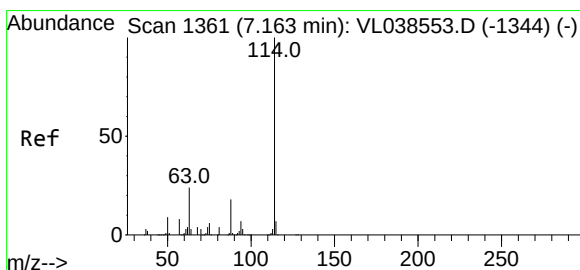
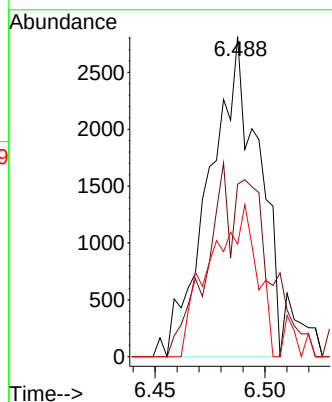
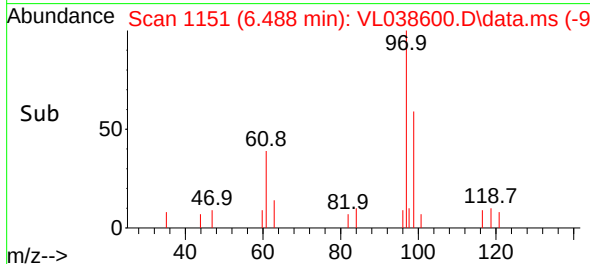
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 97 Resp: 4190
Ion Ratio Lower Upper
97 100
99 75.8 52.1 78.1
61 0.0 37.7 56.5

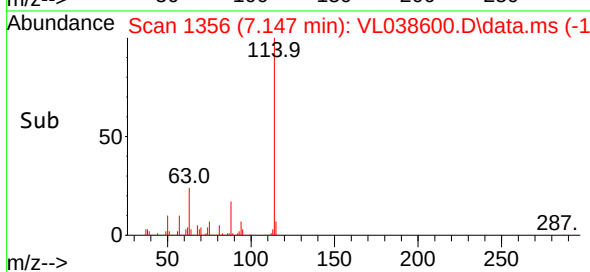
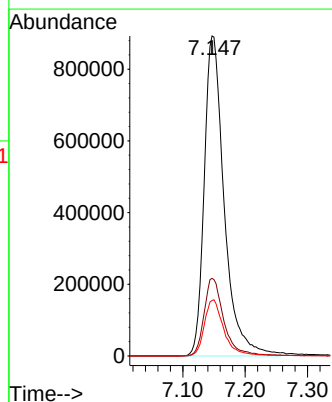
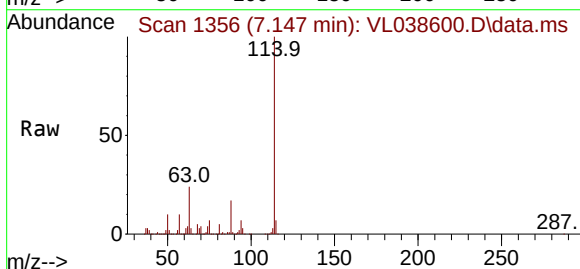
Manual Integrations
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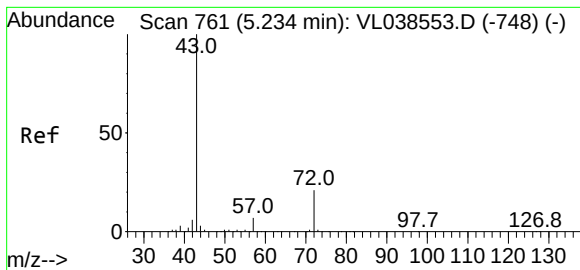
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.147 min Scan# 1356
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion:114 Resp: 1986507
Ion Ratio Lower Upper
114 100
63 24.3 19.6 29.4
88 17.4 13.9 20.9





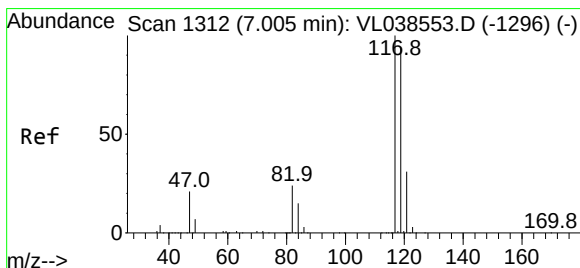
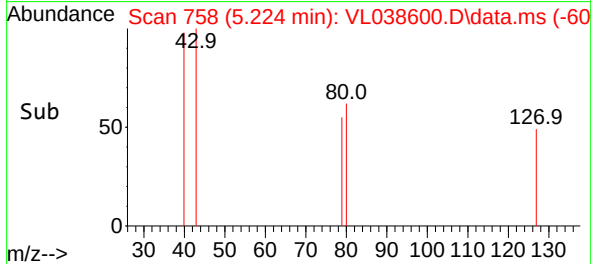
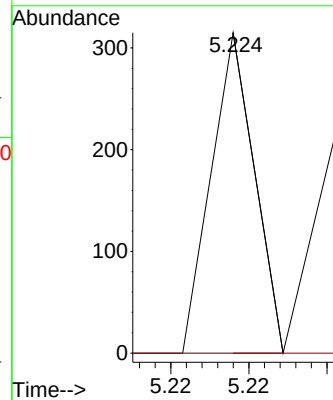
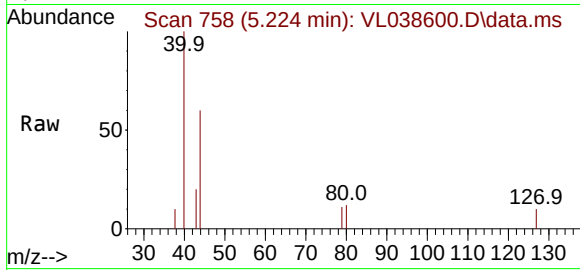
#34
2-Butanone
Concen: 0.001 ppbv
RT: 5.224 min Scan# 71
Delta R.T. -0.010 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6

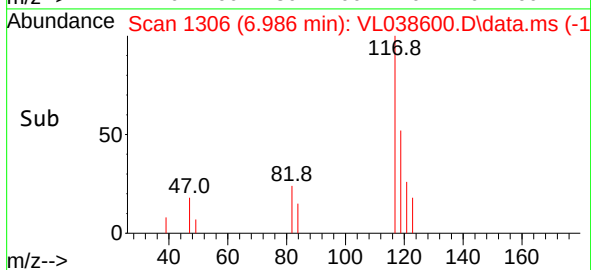
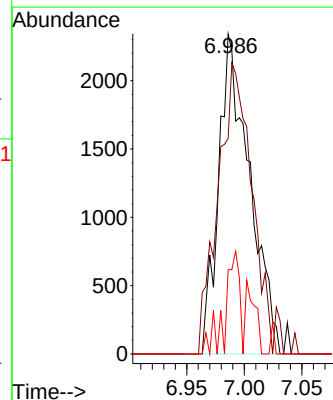
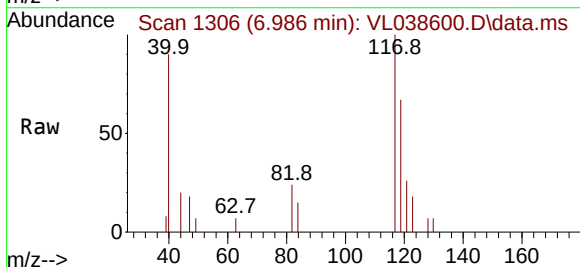
Manual Integrations
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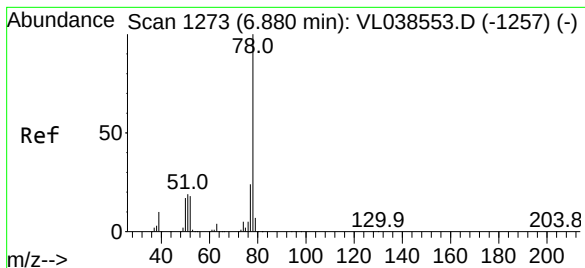
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#35
Carbon Tetrachloride
Concen: 0.032 ppbv m
RT: 6.986 min Scan# 1306
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

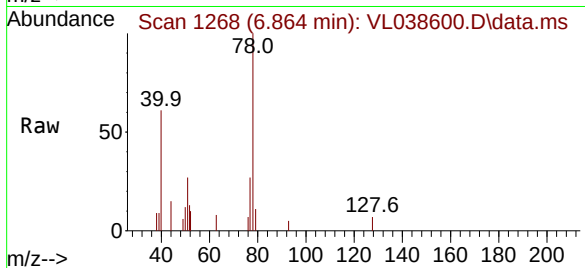
Tgt Ion:117 Resp: 4369
Ion Ratio Lower Upper
117 100
119 67.4 75.2 112.8#
121 26.3 24.8 37.2





#36
Benzene
Concen: 0.017 ppbv
RT: 6.864 min Scan# 1087
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

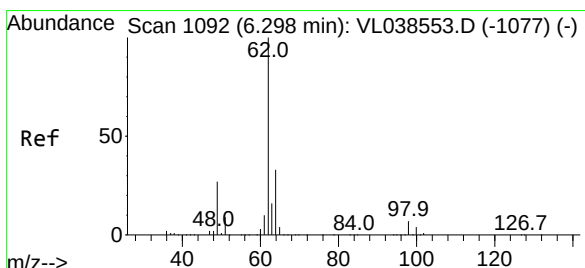
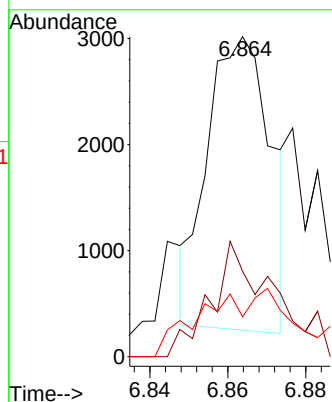
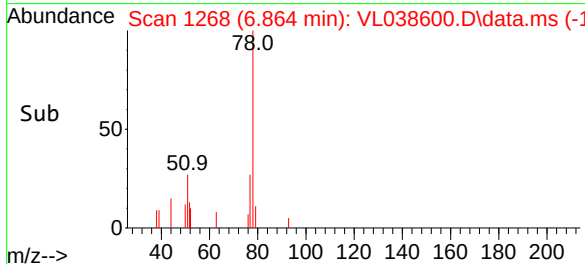
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 78 Resp: 3118
Ion Ratio Lower Upper
78 100
77 27.9 19.0 28.4
50 1.8 13.9 20.9

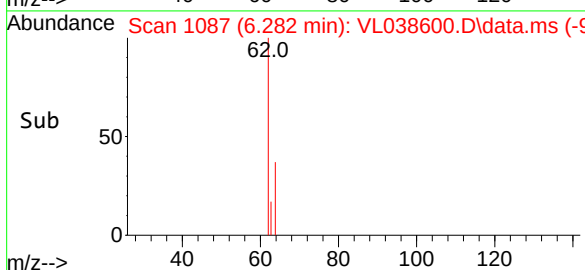
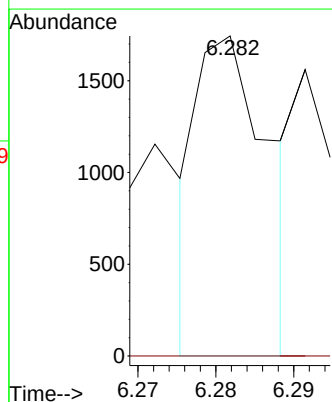
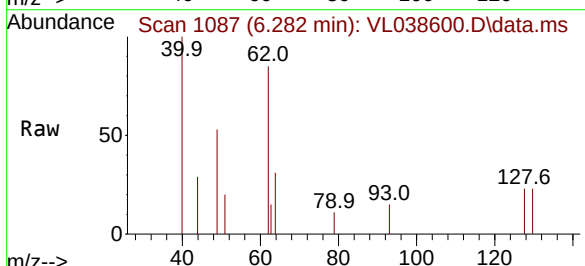
Manual Integrations
APPROVED

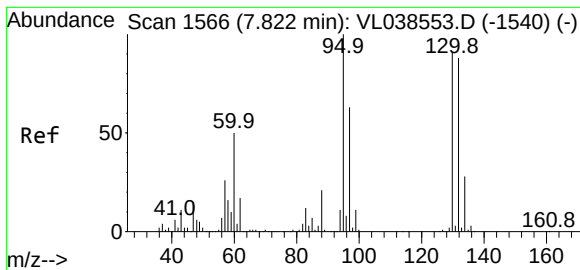
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#37
1,2-Dichloroethane
Concen: 0.013 ppbv
RT: 6.282 min Scan# 1087
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

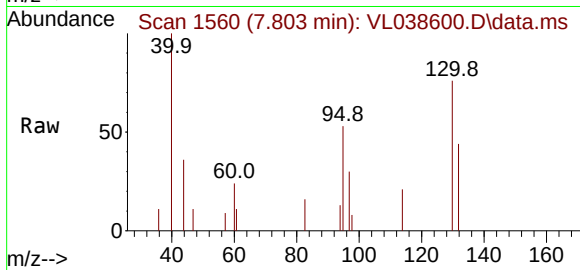
Tgt Ion: 62 Resp: 1110
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5





#38
Trichloroethene
Concen: 0.028 ppbv m
RT: 7.803 min Scan# 1574
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

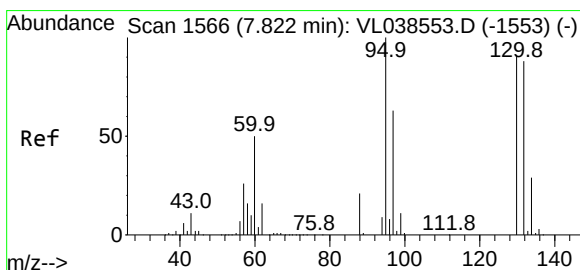
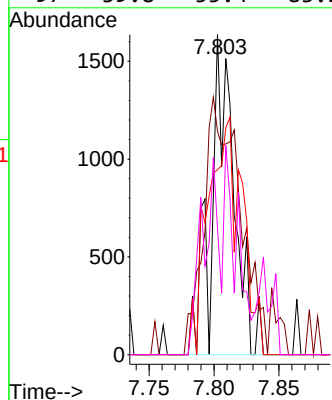
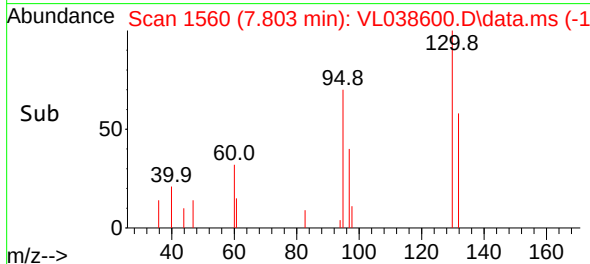
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



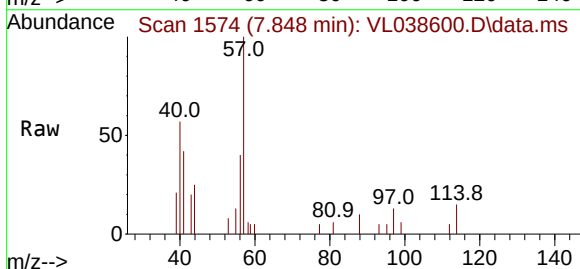
Tgt Ion:130 Resp: 2032
Ion Ratio Lower Upper
130 100
95 69.9 87.8 131.8#
132 57.8 77.5 116.3#
97 39.8 55.4 83.2#

Manual Integrations
APPROVED

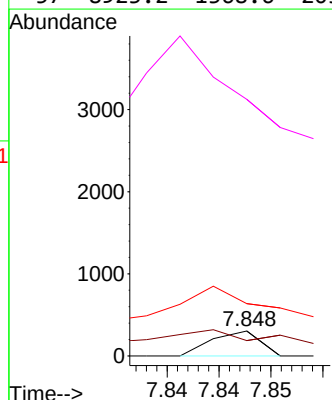
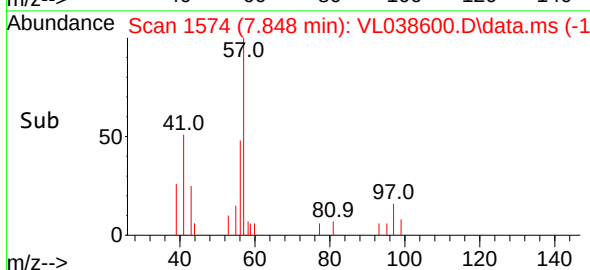
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

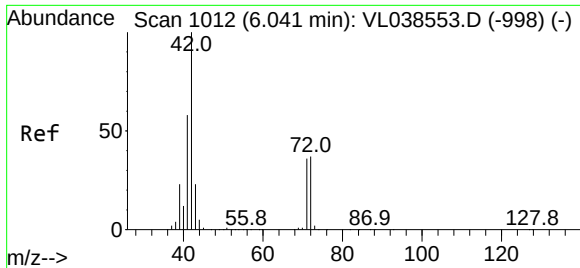


#40
1,4-Dioxane
Concen: 0.006 ppbv
RT: 7.848 min Scan# 1574
Delta R.T. 0.026 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
58 302.0 126.7 190.1#
43 2026.3 303.0 454.6#
57 8923.2 1368.6 2053.0#





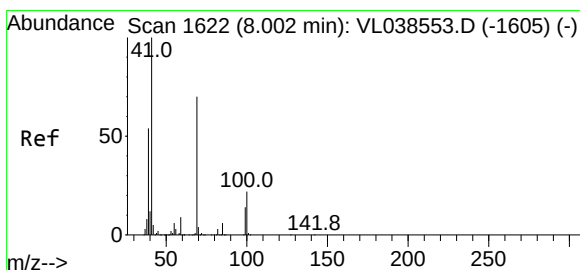
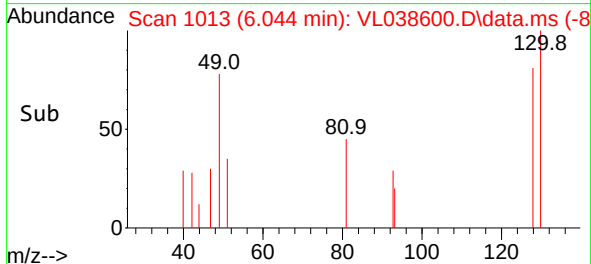
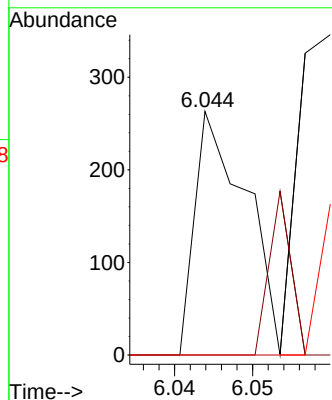
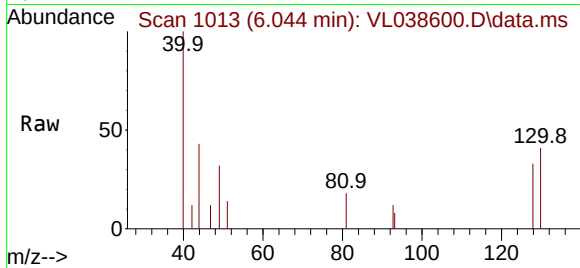
#41
Tetrahydrofuran
Concen: 0.003 ppbv
RT: 6.044 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 42 Resp: 120
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 29.1 43.7#

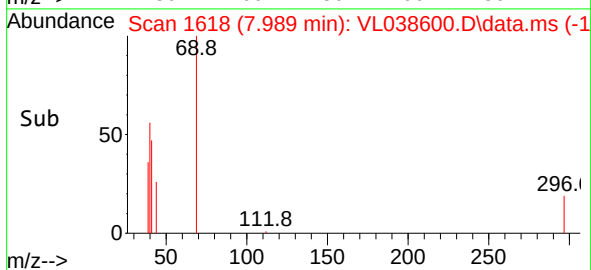
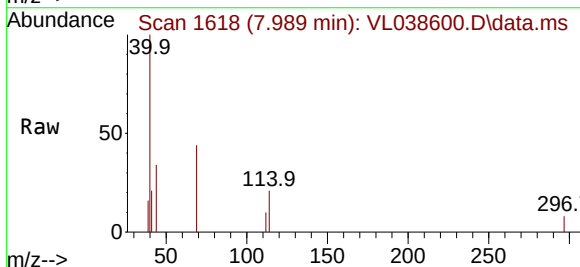
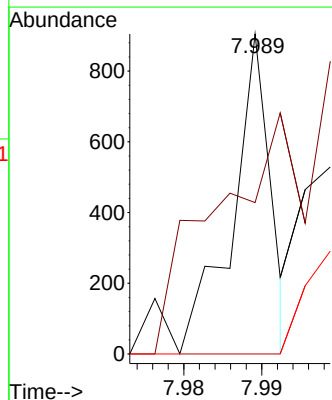
Manual Integrations
APPROVED

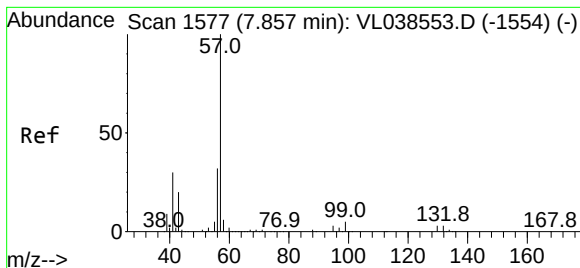
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#43
Methyl Methacrylate
Concen: 0.005 ppbv
RT: 7.989 min Scan# 1618
Delta R.T. -0.013 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 69 Resp: 311
Ion Ratio Lower Upper
69 100
41 0.0 113.8 170.6#
100 0.0 24.4 36.6#





#44

2,2,4-Trimethylpentane

Concen: 0.019 ppbv

RT: 7.841 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL038600.D

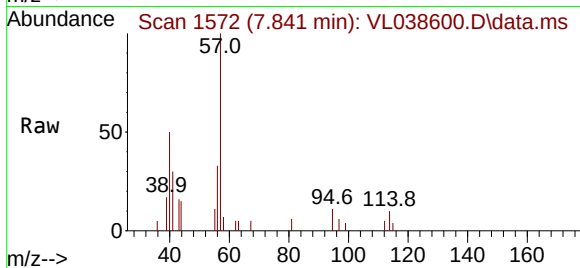
Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2022



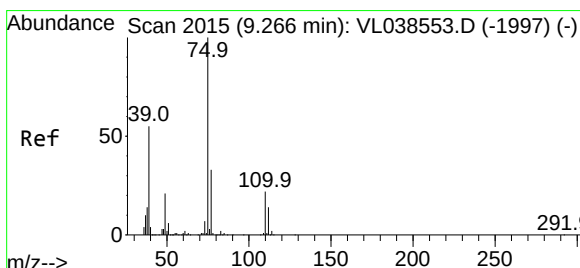
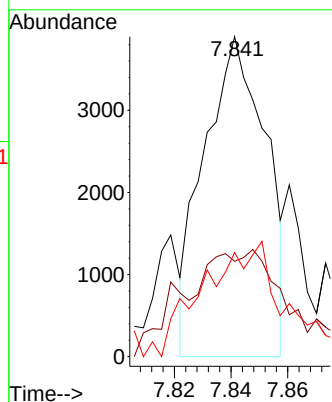
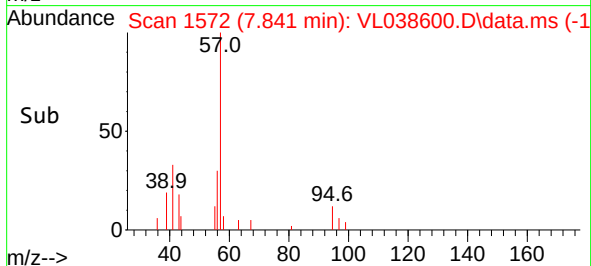
Tgt Ion:	57	Resp:	5894
Ion	Ratio	Lower	Upper
57	100		
41	57.8	24.0	36.0
56	48.9	25.6	38.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2022

Supervised By :Mahesh Dadoda 03/18/2022



#45

t-1,3-Dichloropropene

Concen: 0.005 ppbv

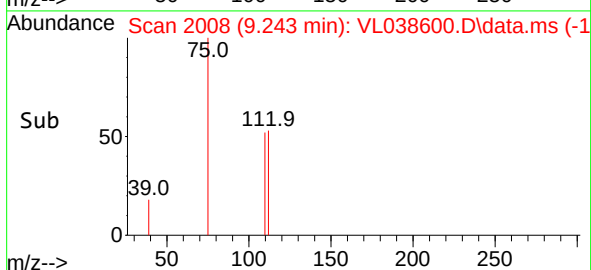
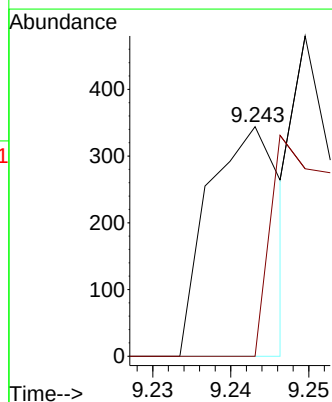
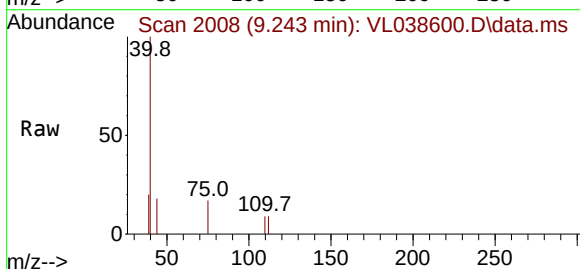
RT: 9.243 min Scan# 2008

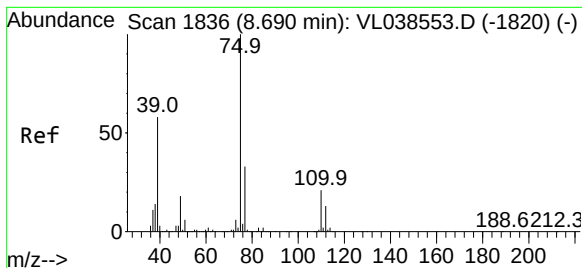
Delta R.T. -0.022 min

Lab File: VL038600.D

Acq: 14 Mar 2022 17:38

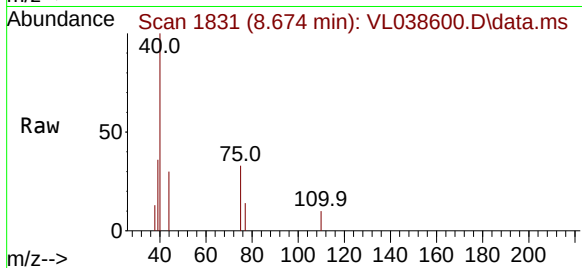
Tgt Ion:	75	Resp:	223
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.6	40.0





#46
cis-1,3-Dichloropropene
Concen: 0.006 ppbv
RT: 8.674 min Scan# 1836
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

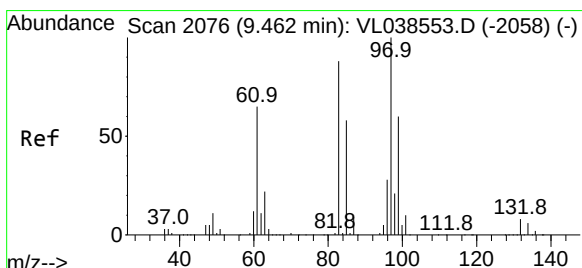
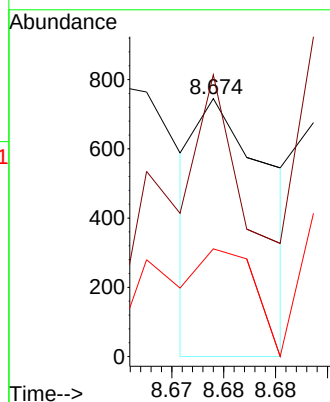
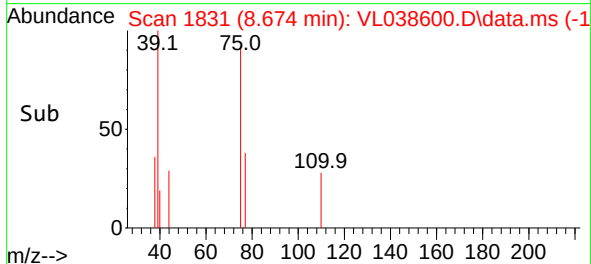
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 75 Resp: 360
Ion Ratio Lower Upper
75 100
39 243.5 46.2 69.2#
77 155.5 26.2 39.2#

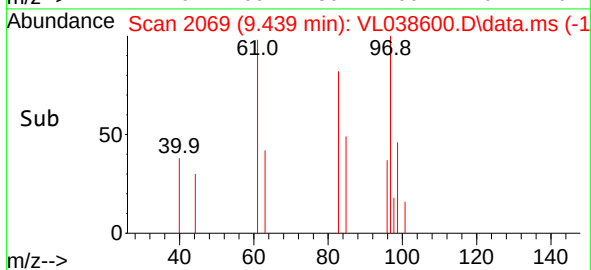
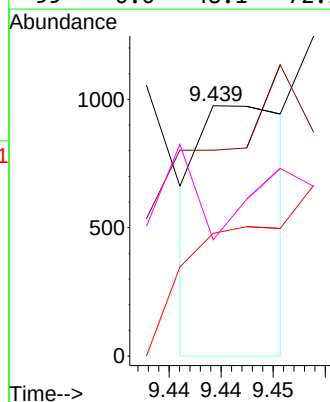
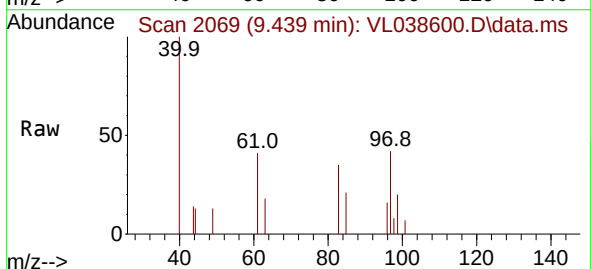
Manual Integrations
APPROVED

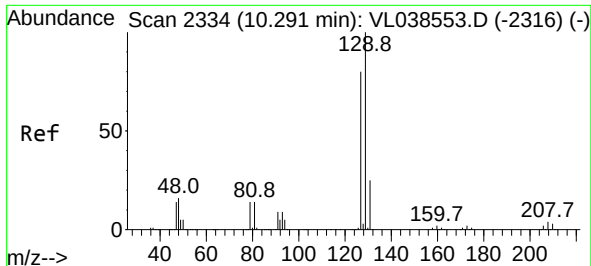
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#47
1,1,2-Trichloroethane
Concen: 0.008 ppbv
RT: 9.439 min Scan# 2069
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

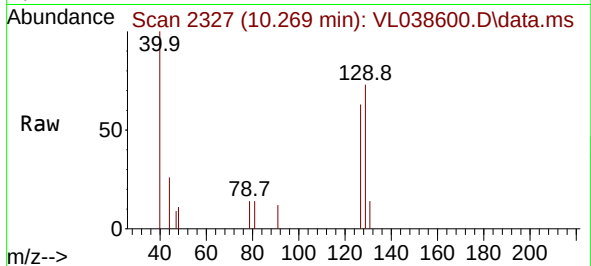
Tgt Ion: 97 Resp: 557
Ion Ratio Lower Upper
97 100
83 0.0 70.1 105.1#
85 41.3 46.6 69.8#
99 0.0 48.1 72.1#





#48
Dibromochloromethane
Concen: 0.007 ppbv
RT: 10.269 min Scan# 211
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

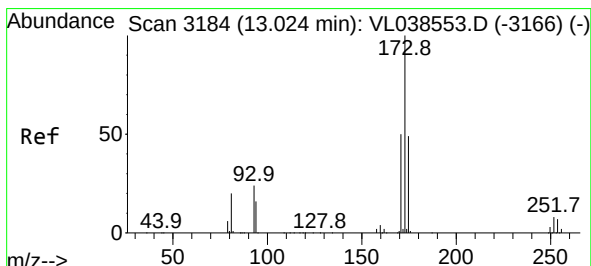
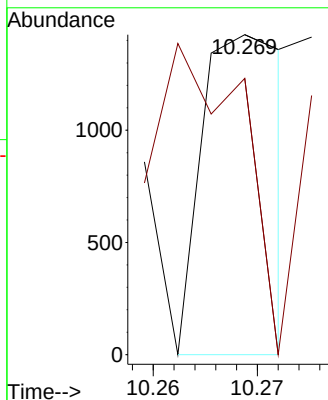
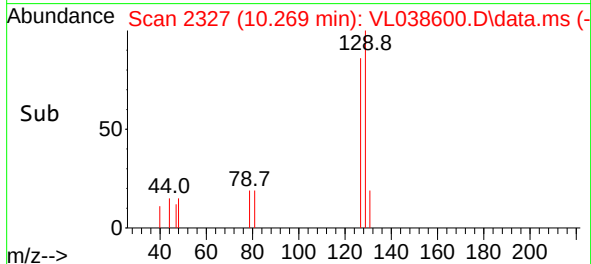
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



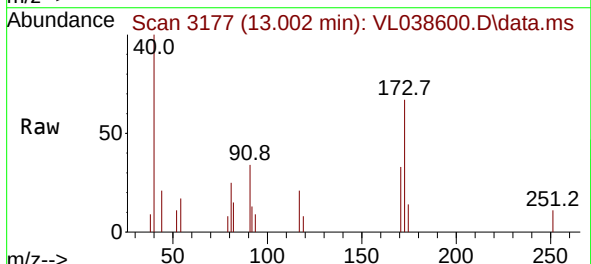
Tgt Ion:129 Resp: 790
Ion Ratio Lower Upper
129 100
127 0.0 39.5 118.3

Manual Integrations
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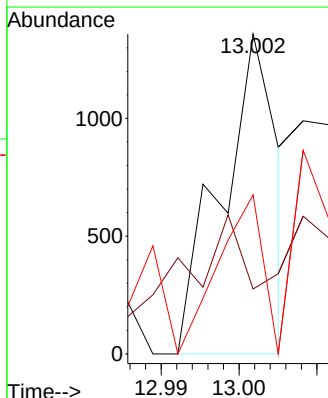
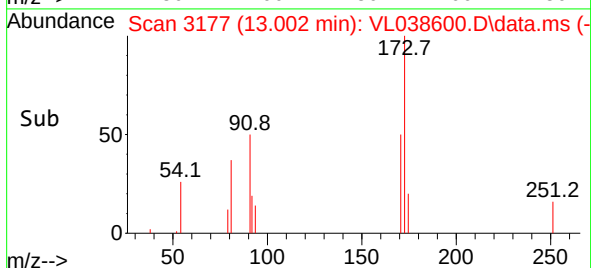
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

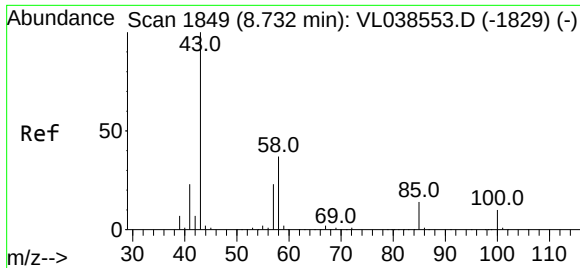


#49
Bromoform
Concen: 0.008 ppbv
RT: 13.002 min Scan# 3177
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



Tgt Ion:173 Resp: 686
Ion Ratio Lower Upper
173 100
175 166.8 40.7 61.1#
171 0.0 42.9 64.3#





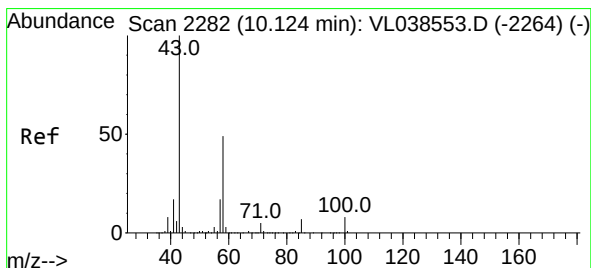
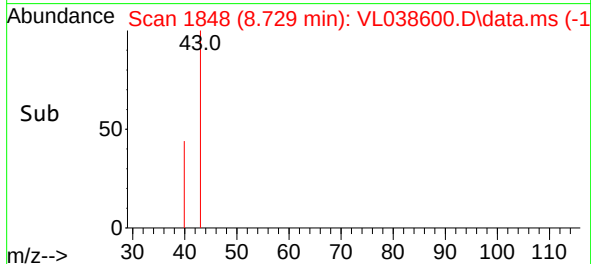
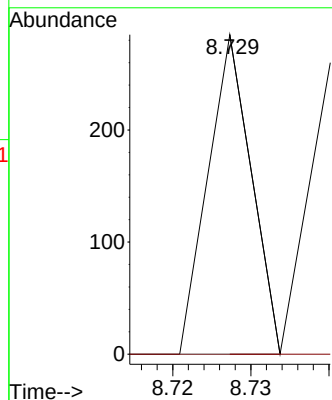
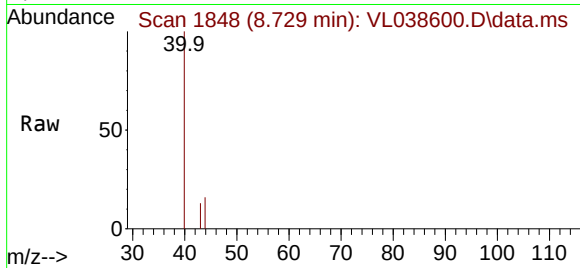
#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.729 min Scan# 1848
Delta R.T. -0.003 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 29.2 43.8

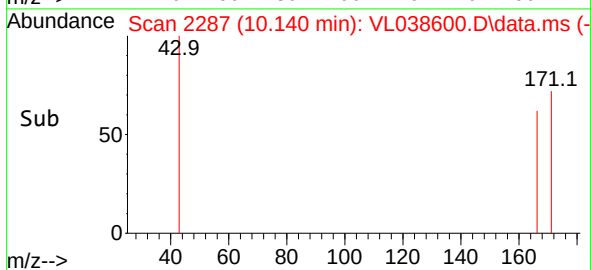
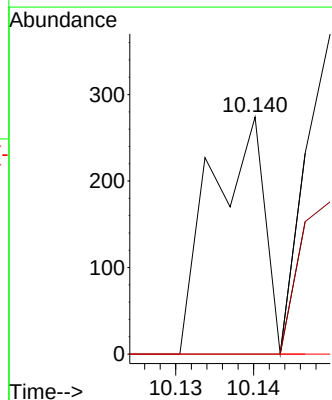
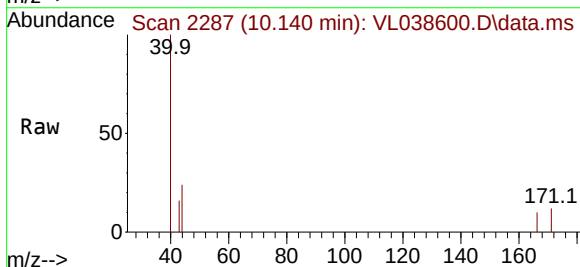
Manual Integrations
APPROVED

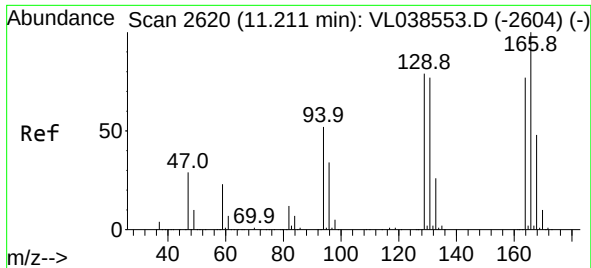
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#51
2-Hexanone
Concen: 0.003 ppbv
RT: 10.140 min Scan# 2287
Delta R.T. 0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

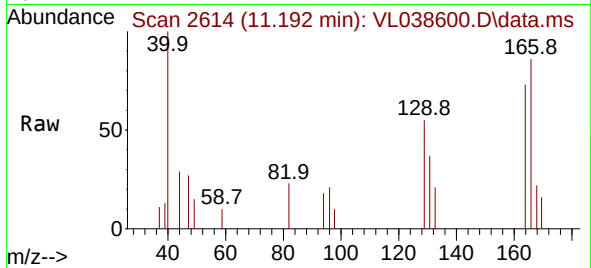
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
58 0.0 40.1 60.1#
98 0.0 0.4 0.6#





#52
Tetrachloroethene
Concen: 0.033 ppbv m
RT: 11.192 min Scan# 2180
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

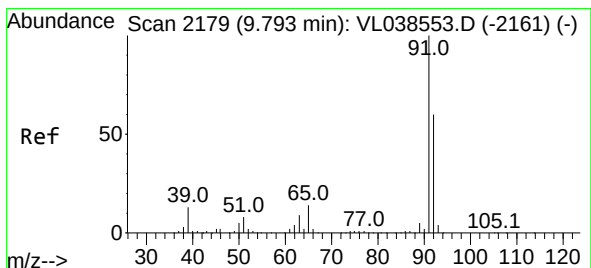
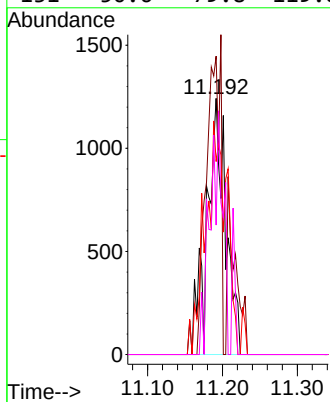
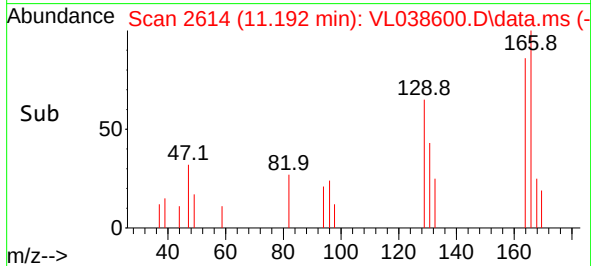
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



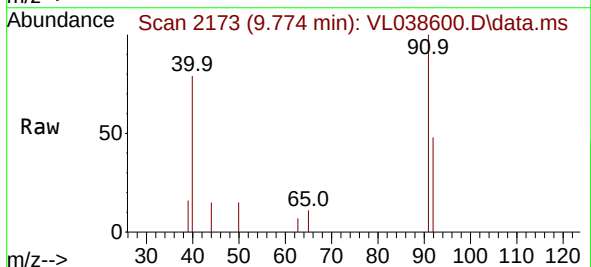
Tgt Ion:164 Resp: 2180
Ion Ratio Lower Upper
164 100
166 116.5 103.4 155.2
129 75.4 81.3 121.9
131 50.6 79.8 119.8#

Manual Integrations
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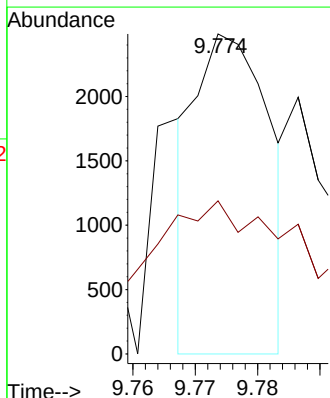
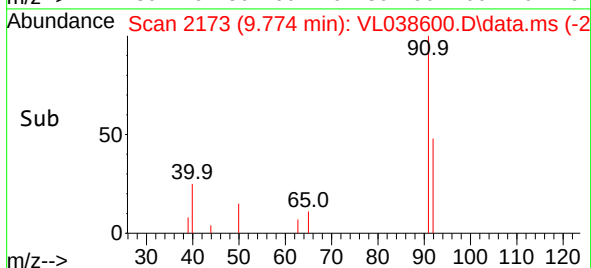
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

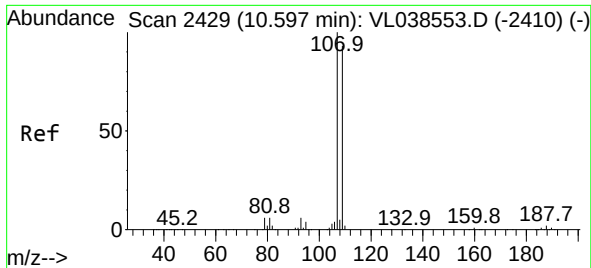


#53
Toluene
Concen: 0.011 ppbv
RT: 9.774 min Scan# 2173
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



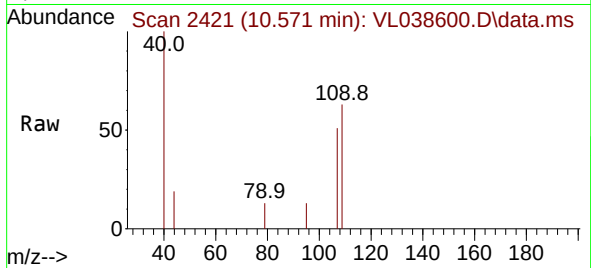
Tgt Ion: 91 Resp: 2052
Ion Ratio Lower Upper
91 100
92 130.8 48.1 72.1#





#54
1,2-Dibromoethane
Concen: 0.005 ppbv
RT: 10.571 min Scan# 2429
Delta R.T. -0.026 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

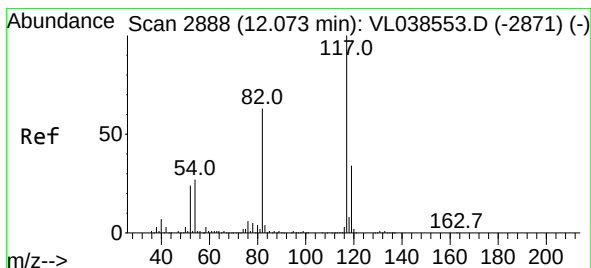
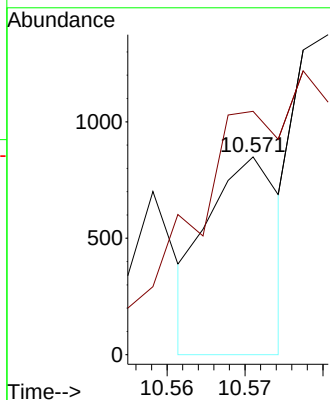
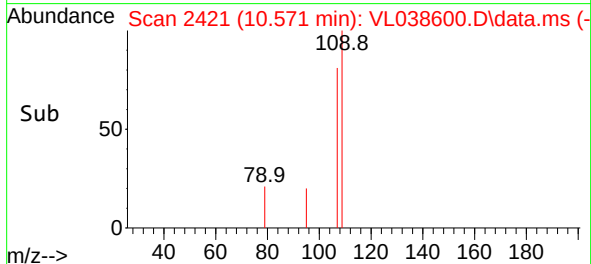
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion:107 Resp: 549
Ion Ratio Lower Upper
107 100
109 96.3 74.6 112.0

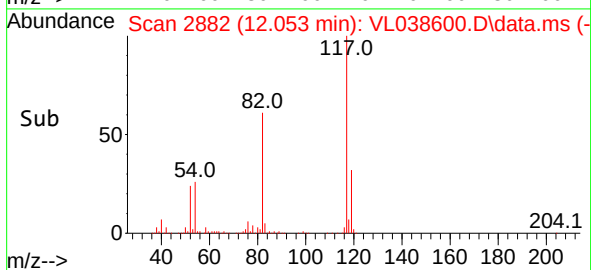
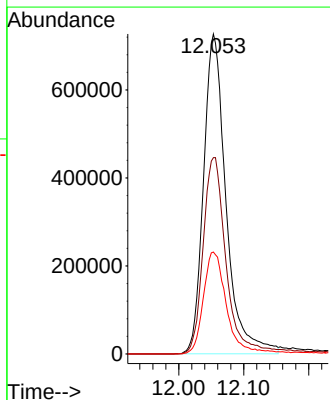
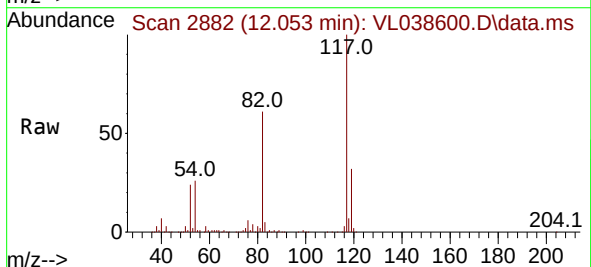
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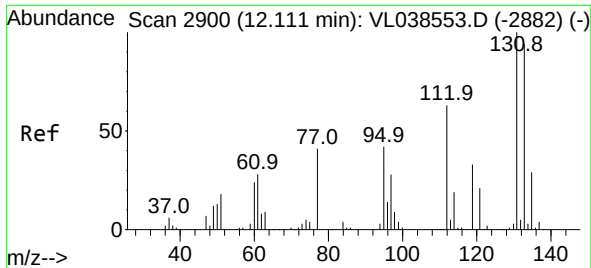
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.053 min Scan# 2882
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion:117 Resp: 1751202
Ion Ratio Lower Upper
117 100
82 65.6 52.5 78.7
119 32.9 46.4 69.6#





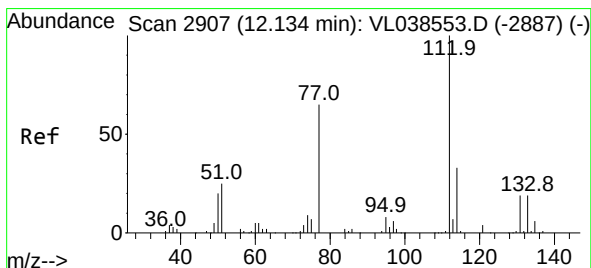
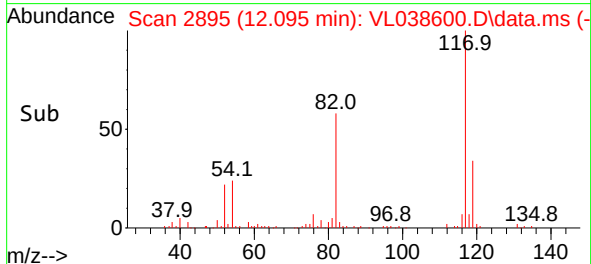
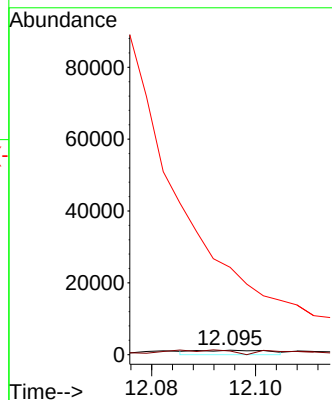
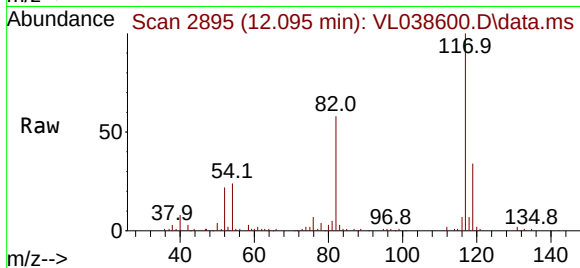
#56
1,1,1,2-Tetrachloroethane
Concen: 0.017 ppbv
RT: 12.095 min Scan# 2895
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion:131 Resp: 120
Ion Ratio Lower Upper
131 100
133 217.6 78.0 117.0#
119 0.0 53.1 79.7#

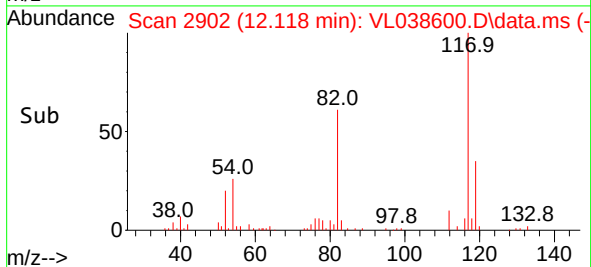
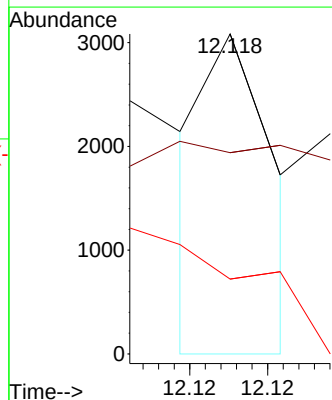
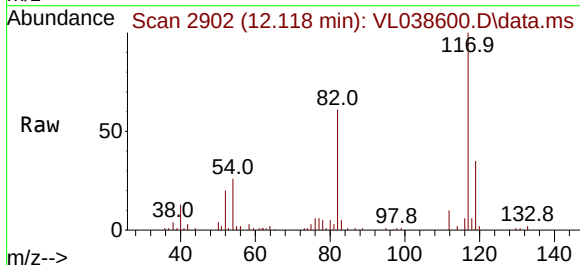
Manual Integrations
APPROVED

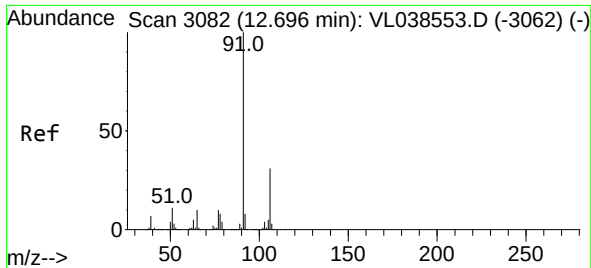
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#57
Chlorobenzene
Concen: 0.007 ppbv
RT: 12.118 min Scan# 2902
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

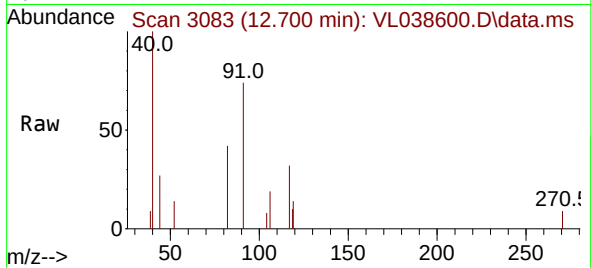
Tgt Ion:112 Resp: 928
Ion Ratio Lower Upper
112 100
77 0.0 52.5 78.7#
114 0.0 30.0 36.6#





#58
Ethyl Benzene
Concen: 0.003 ppbv
RT: 12.700 min Scan# 3082
Delta R.T. 0.003 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

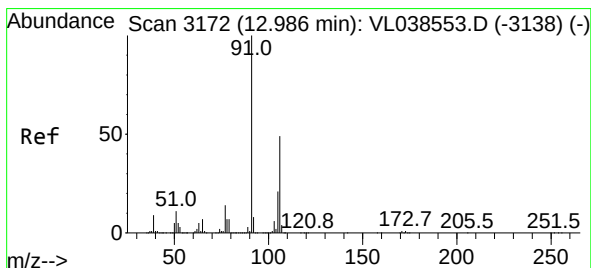
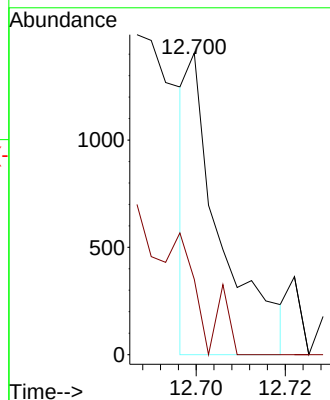
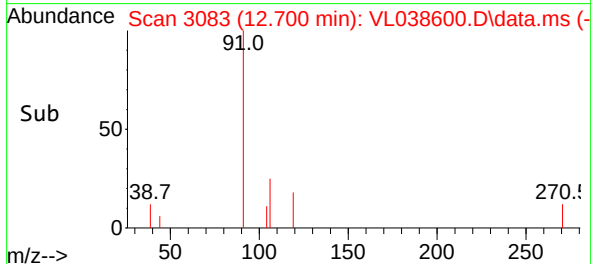
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 91 Resp: 720
Ion Ratio Lower Upper
91 100
106 29.9 24.6 37.0

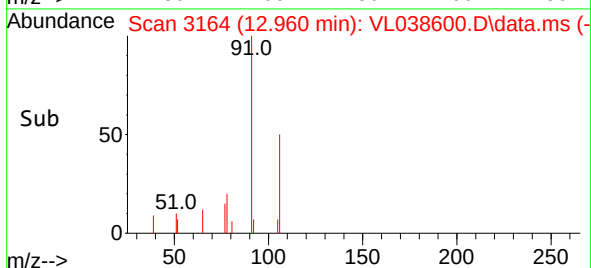
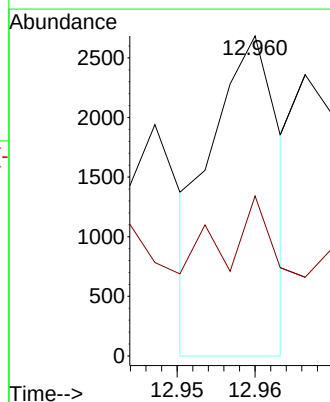
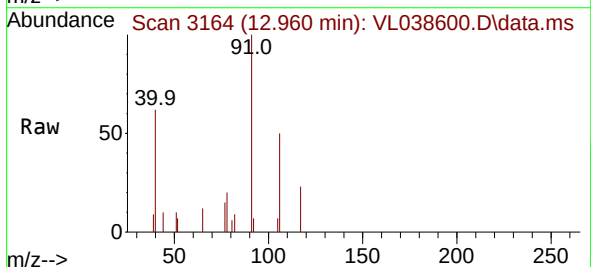
Manual Integrations
APPROVED

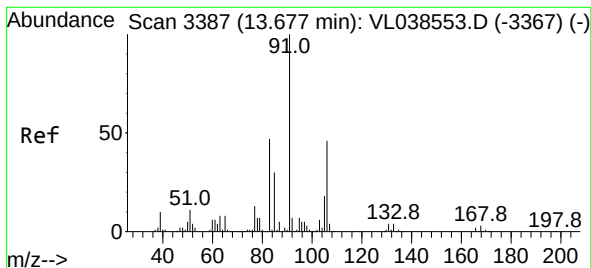
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#59
m/p-Xylene
Concen: 0.008 ppbv
RT: 12.960 min Scan# 3164
Delta R.T. -0.026 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 91 Resp: 1616
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#





#60

o-Xylene

Concen: 0.009 ppbv

RT: 13.658 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL038600.D

Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_L

ClientSampleId :

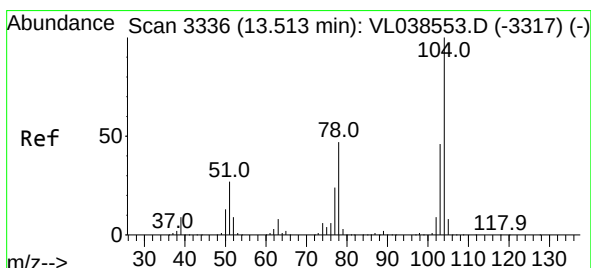
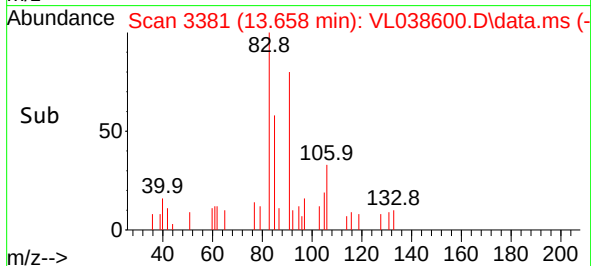
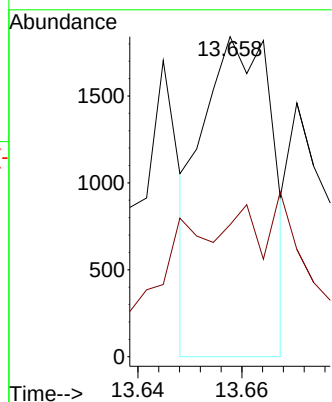
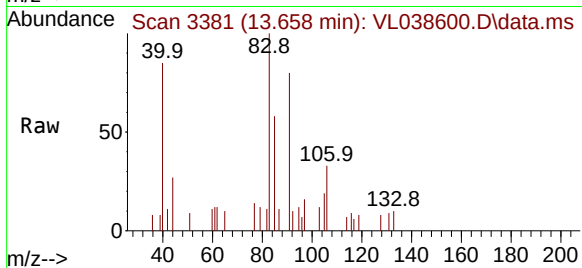
LOQ-AIR-02-QT1-2022

Tgt Ion: 91 Resp: 1724
 Ion Ratio Lower Upper
 91 100
 106 0.0 23.5 70.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2022
 Supervised By :Mahesh Dadoda 03/18/2022



#61

Styrene

Concen: 0.005 ppbv

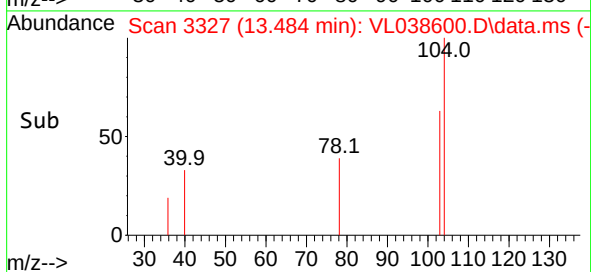
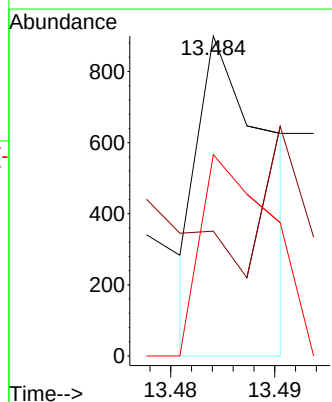
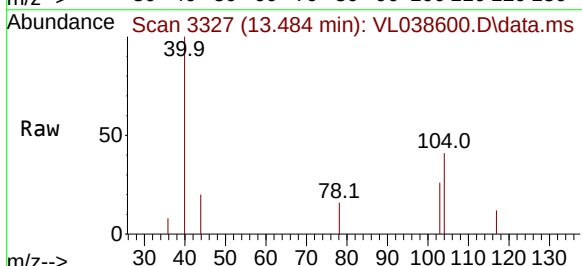
RT: 13.484 min Scan# 3327

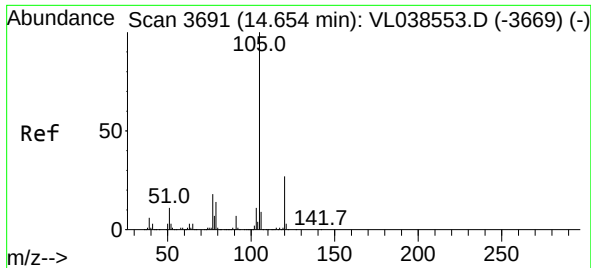
Delta R.T. -0.029 min

Lab File: VL038600.D

Acq: 14 Mar 2022 17:38

Tgt Ion:104 Resp: 419
 Ion Ratio Lower Upper
 104 100
 78 226.5 39.0 58.4#
 103 193.6 38.0 57.0#





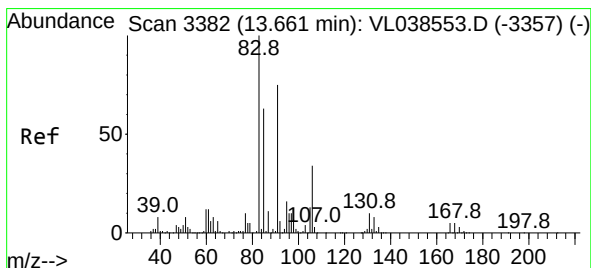
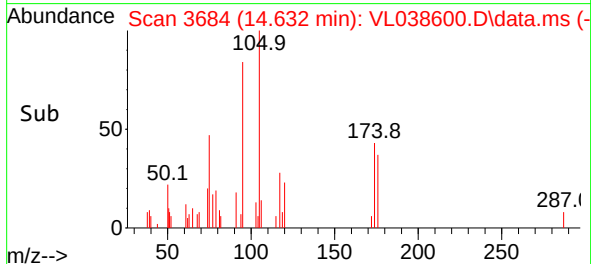
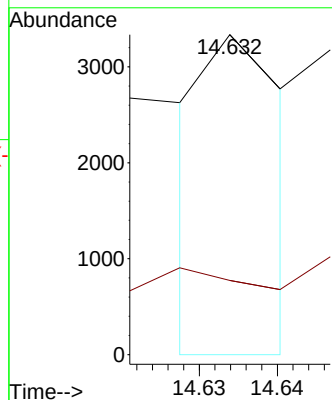
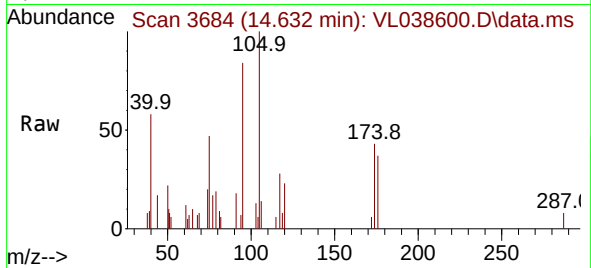
#62
Isopropylbenzene
Concen: 0.005 ppbv
RT: 14.632 min Scan# 30
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 105 Resp: 117
Ion Ratio Lower Upper
105 100
120 0.0 21.2 31.8

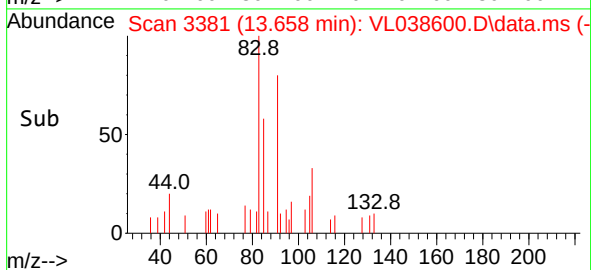
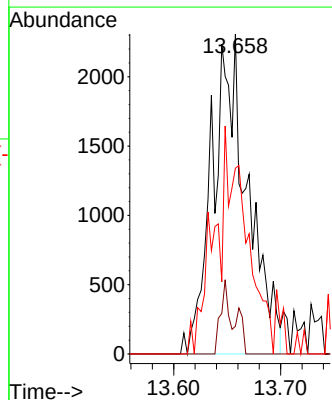
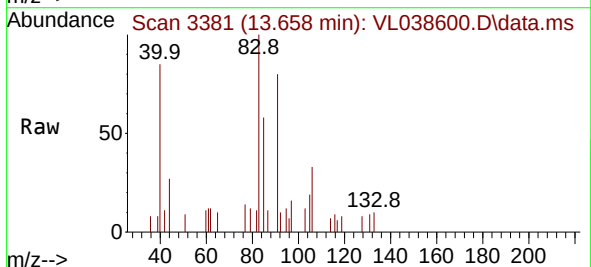
Manual Integrations
APPROVED

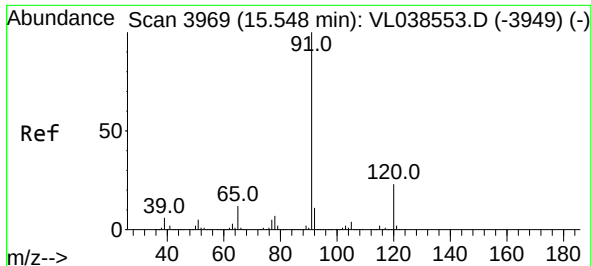
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 13.658 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

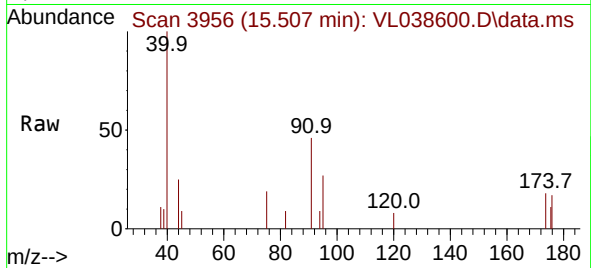
Tgt Ion: 83 Resp: 5263
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 0.0 32.6 98.0#





#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 15.507 min Scan# 3956
Delta R.T. -0.042 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

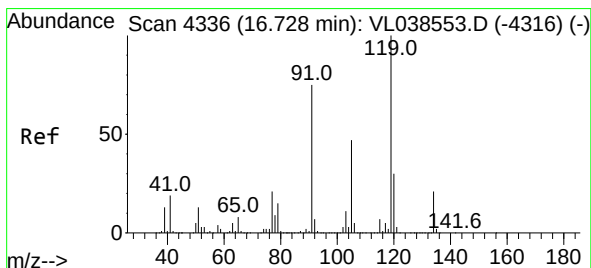
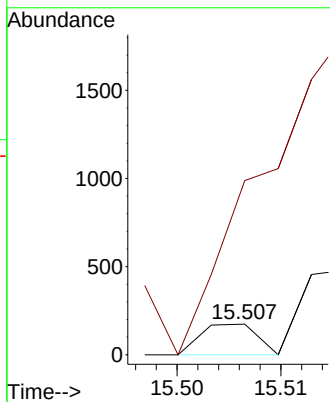
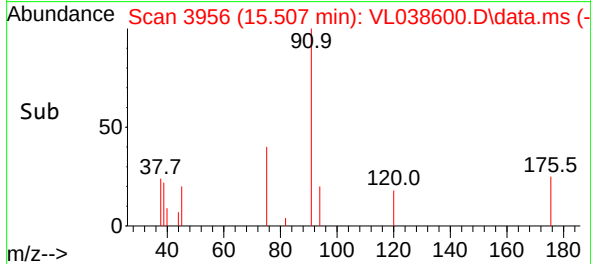
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion:120 Resp: 60
Ion Ratio Lower Upper
120 100
91 374.2 374.2 561.2

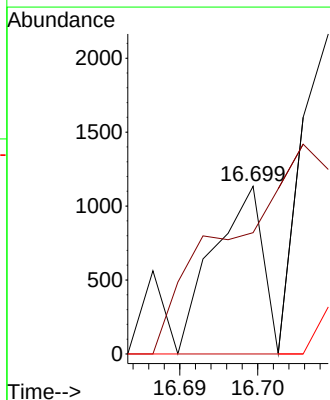
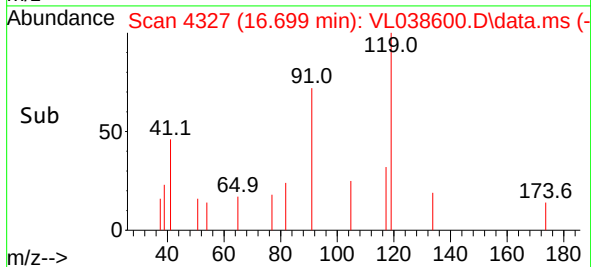
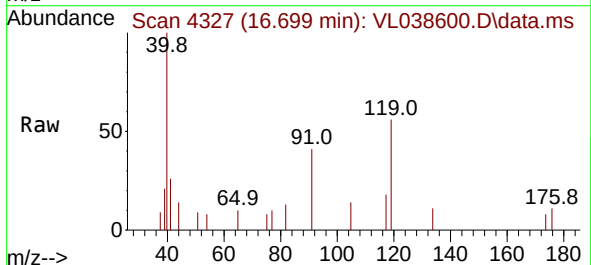
Manual Integrations
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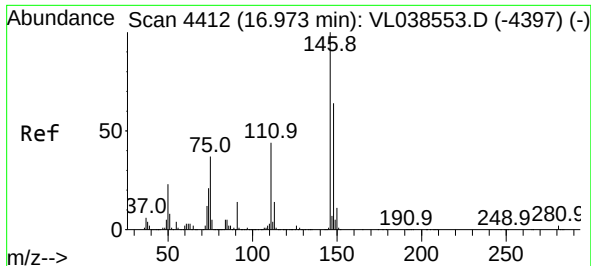
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#65
tert-Butylbenzene
Concen: 0.002 ppbv
RT: 16.699 min Scan# 4327
Delta R.T. -0.029 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

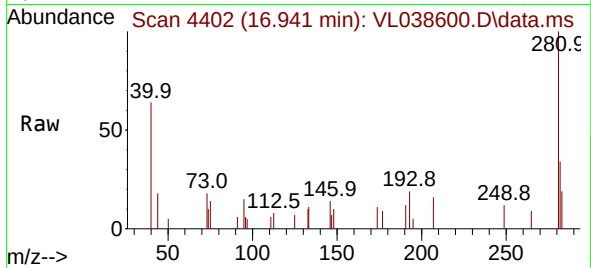
Tgt Ion:119 Resp: 500
Ion Ratio Lower Upper
119 100
91 0.0 61.2 91.8#
134 0.0 16.2 24.2#





#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 16.941 min Scan# 4412
Delta R.T. -0.032 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

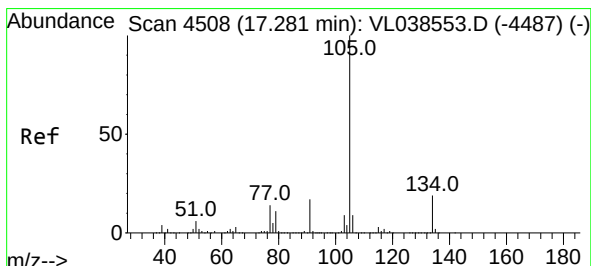
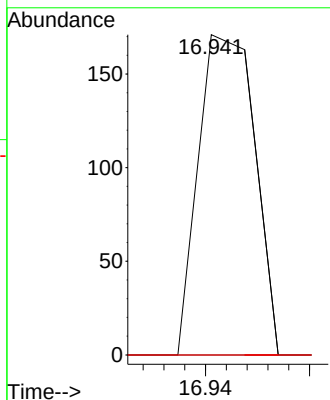
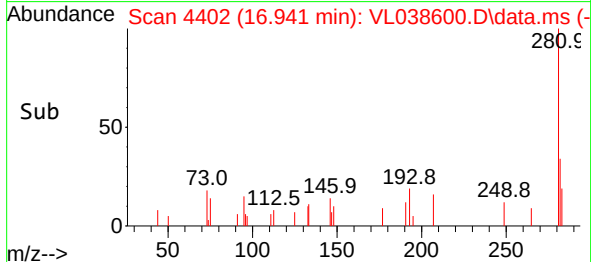
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 91 Resp: 64
Ion Ratio Lower Upper
91 100
126 115.6 14.1 21.1
128 0.0 5.1 7.7

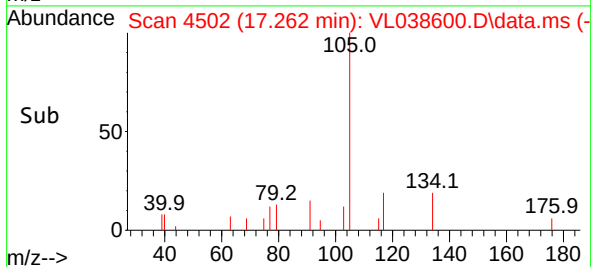
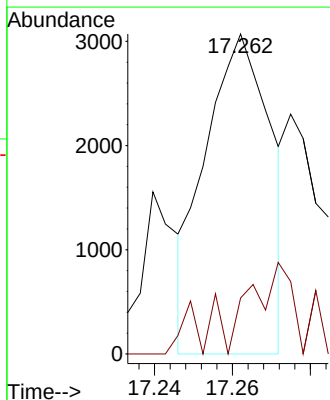
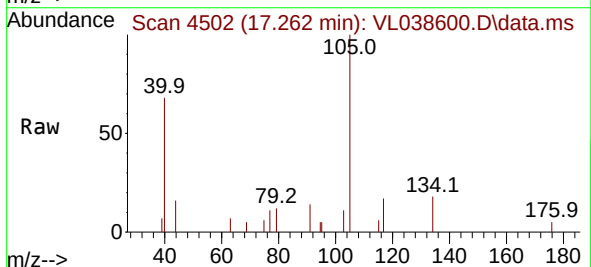
Manual Integrations
APPROVED

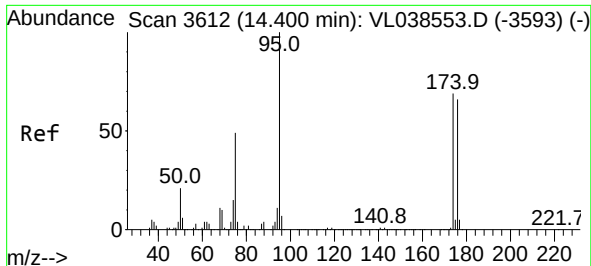
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#67
sec-Butylbenzene
Concen: 0.011 ppbv
RT: 17.262 min Scan# 4502
Delta R.T. -0.019 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

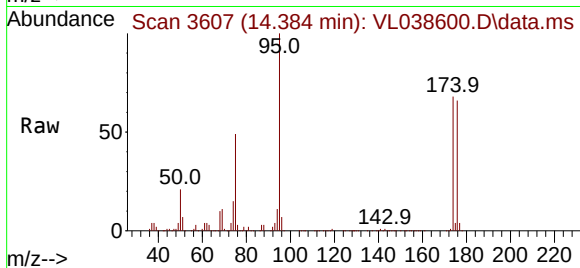
Tgt Ion:105 Resp: 3563
Ion Ratio Lower Upper
105 100
134 0.0 15.0 22.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 14.384 min Scan# 3607
Delta R.T. -0.016 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

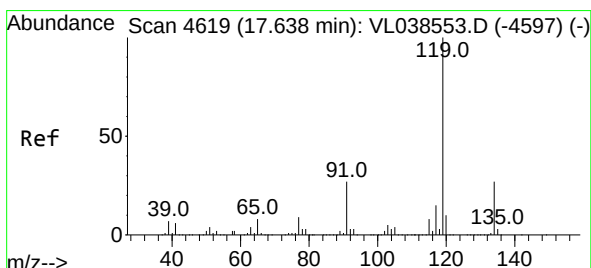
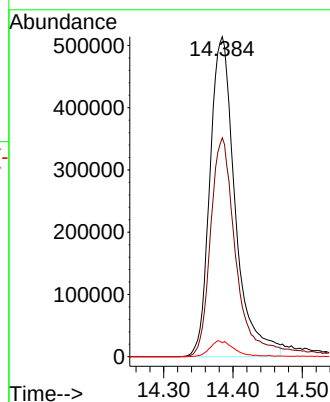
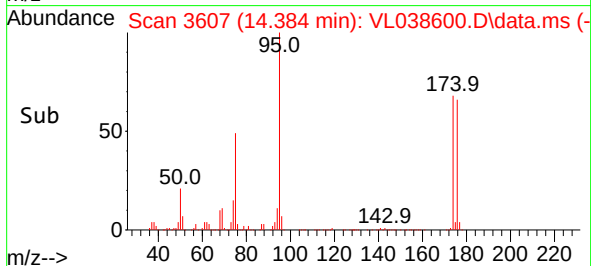
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



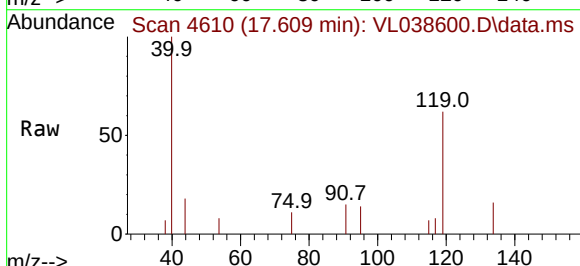
Tgt Ion: 95 Resp: 130400
Ion Ratio Lower Upper
95 100
174 72.1 56.2 84.4
175 5.1 4.2 6.2

Manual Integrations
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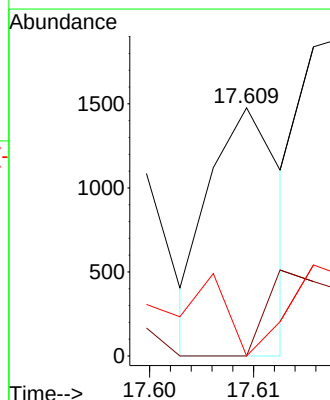
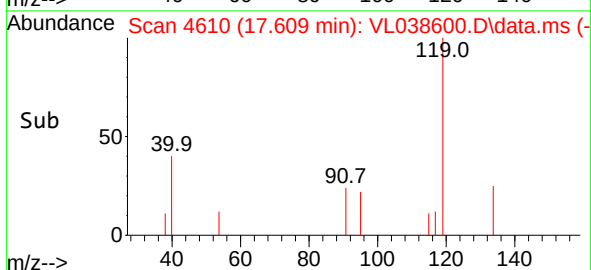
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

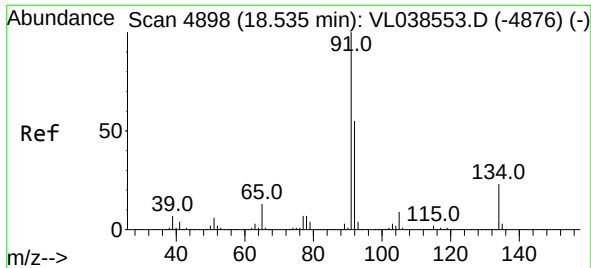


#69
p-Isopropyltoluene
Concen: 0.003 ppbv
RT: 17.609 min Scan# 4610
Delta R.T. -0.029 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



Tgt Ion:119 Resp: 715
Ion Ratio Lower Upper
119 100
134 0.0 20.9 31.3#
91 0.0 21.1 31.7#





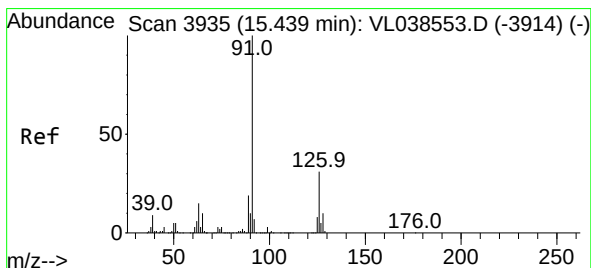
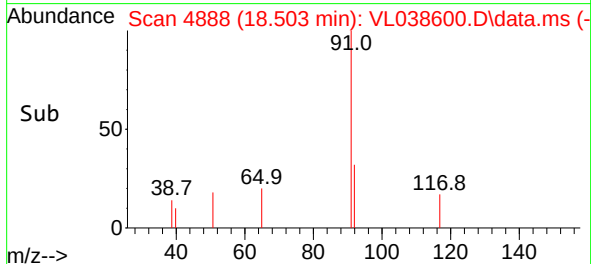
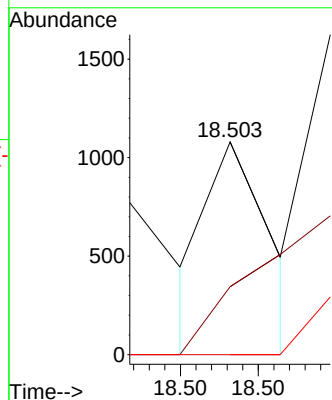
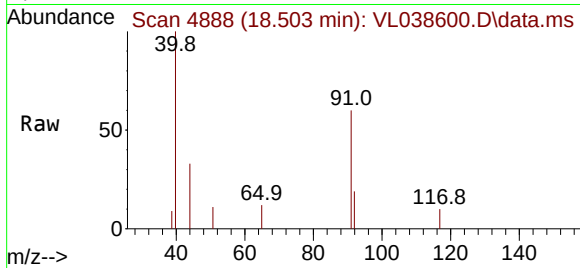
#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.503 min Scan# 4898
Delta R.T. -0.032 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

Tgt Ion: 91 Resp: 304
Ion Ratio Lower Upper
91 100
92 0.0 43.8 65.8
134 0.0 18.7 28.1

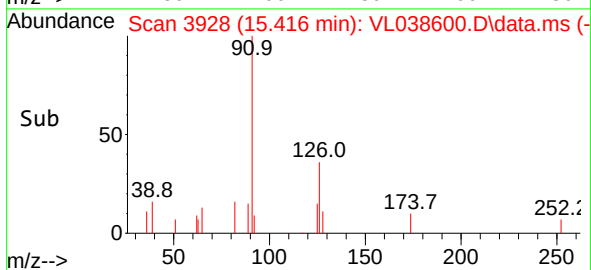
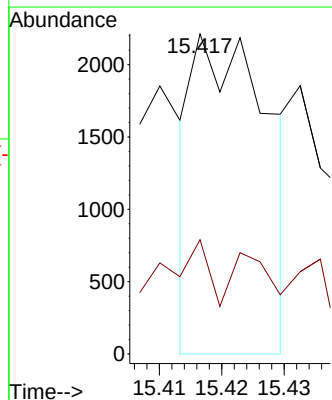
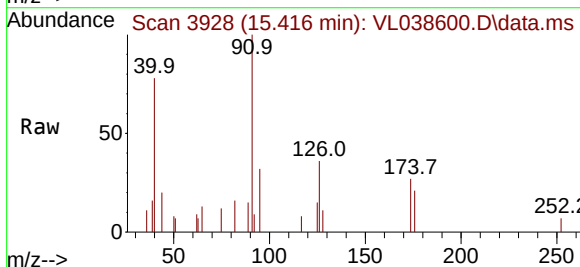
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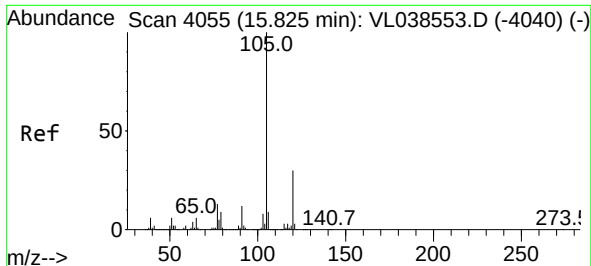
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#71
2-Chlorotoluene
Concen: 0.010 ppbv
RT: 15.416 min Scan# 3928
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

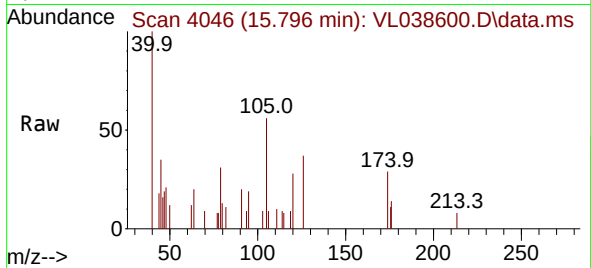
Tgt Ion: 91 Resp: 1837
Ion Ratio Lower Upper
91 100
126 85.5 12.9 51.7





#72
4-Ethyltoluene
Concen: 0.003 ppbv
RT: 15.796 min Scan# 4046
Delta R.T. -0.029 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

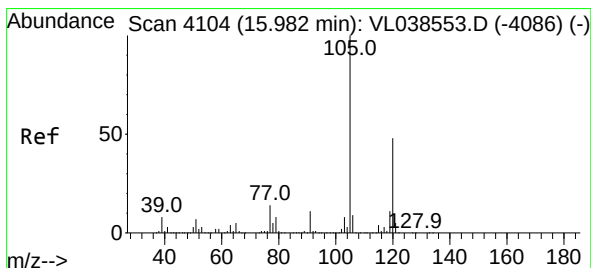
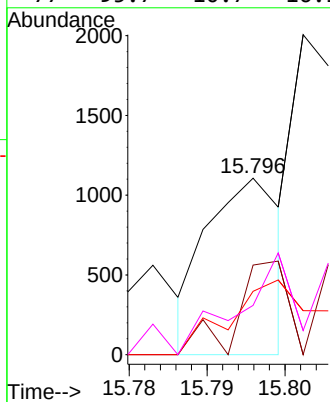
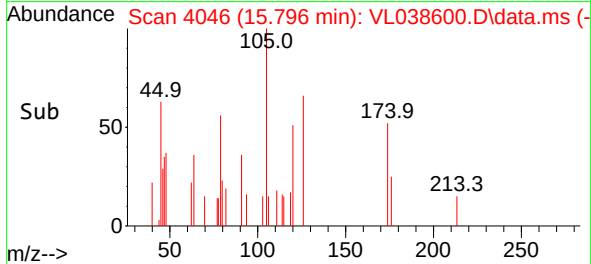
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion:105 Resp: 721
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4
91 109.6 9.8 14.6
77 95.7 10.7 16.1#

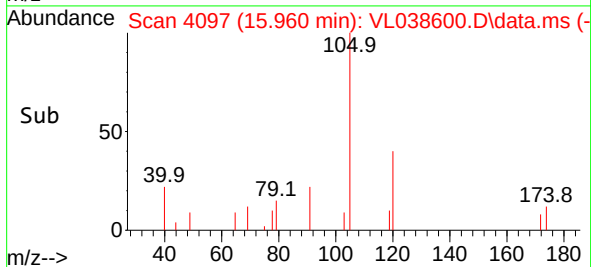
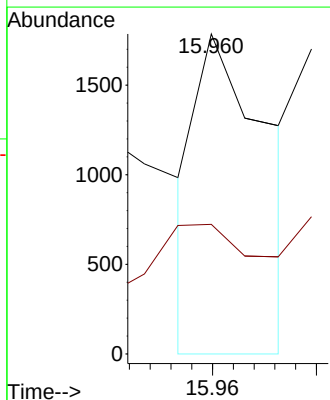
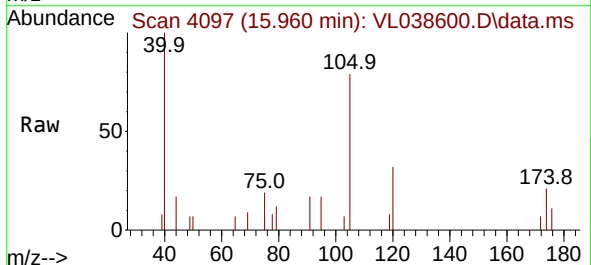
Manual Integrations
APPROVED

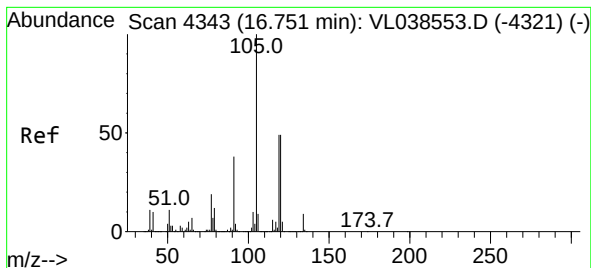
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.004 ppbv
RT: 15.960 min Scan# 4097
Delta R.T. -0.022 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

Tgt Ion:105 Resp: 845
Ion Ratio Lower Upper
105 100
120 0.7 38.3 57.5#





#74

1,2,4-Trimethylbenzene

Concen: 0.009 ppbv

RT: 16.728 min Scan# 41

Delta R.T. -0.022 min

Lab File: VL038600.D

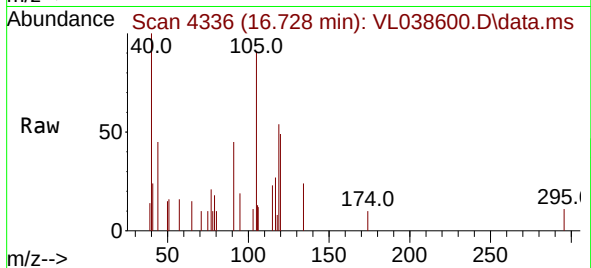
Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2022



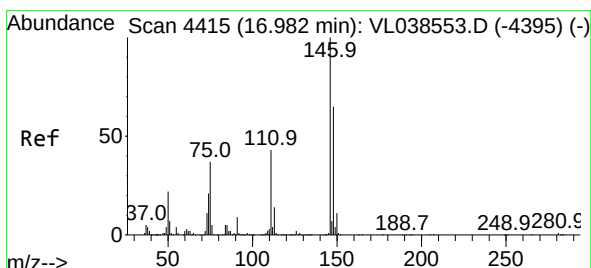
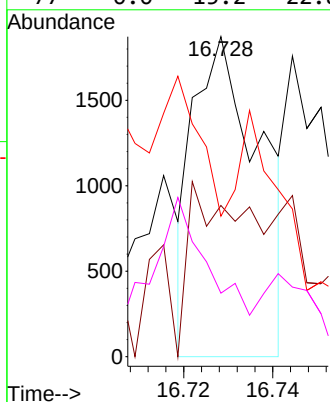
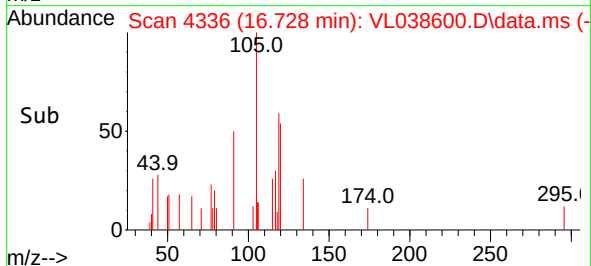
Tgt Ion:	105	Resp:	194
Ion Ratio	Lower	Upper	
105	100		
120	81.7	38.9	58.3
91	0.0	30.6	46.0
77	0.0	15.2	22.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/18/2022

Supervised By :Mahesh Dadoda 03/18/2022



#75

1,3-Dichlorobenzene

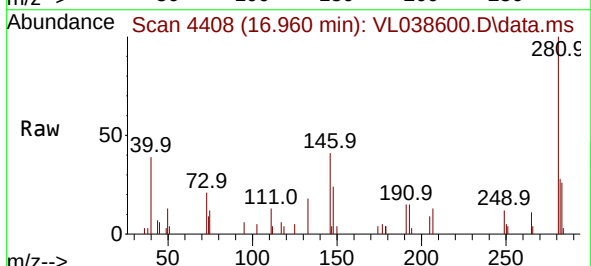
Concen: 0.012 ppbv

RT: 16.960 min Scan# 4408

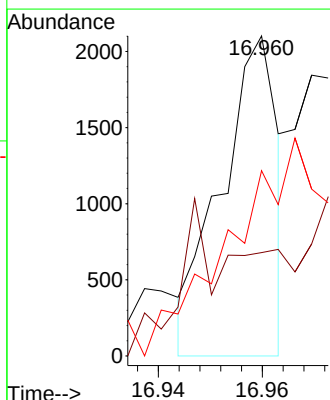
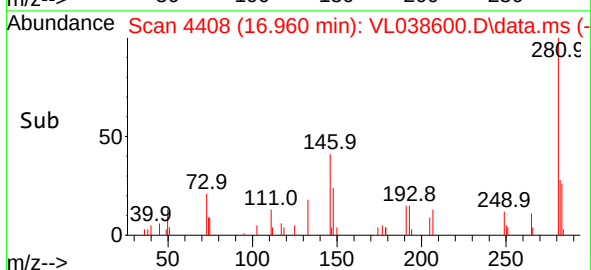
Delta R.T. -0.022 min

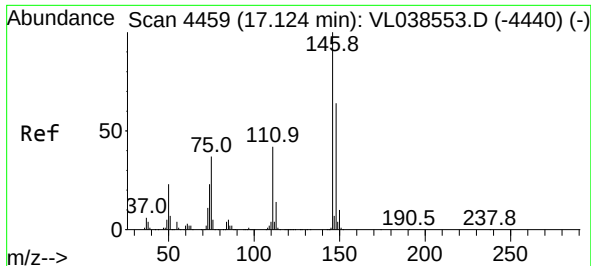
Lab File: VL038600.D

Acq: 14 Mar 2022 17:38



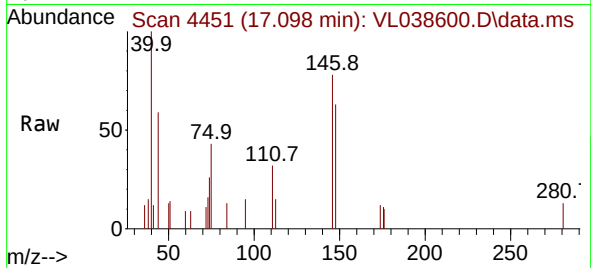
Tgt Ion:	146	Resp:	1587
Ion Ratio	Lower	Upper	
146	100		
111	0.0	21.9	65.8
148	0.0	32.2	96.6





#76
1,4-Dichlorobenzene
Concen: 0.006 ppbv
RT: 17.098 min Scan# 4451
Delta R.T. -0.026 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

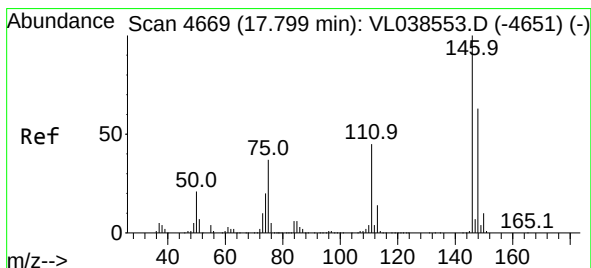
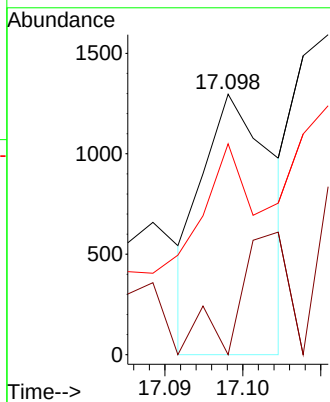
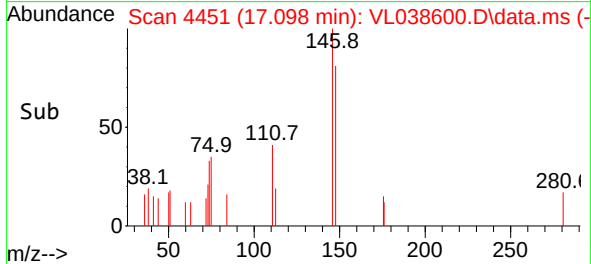
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



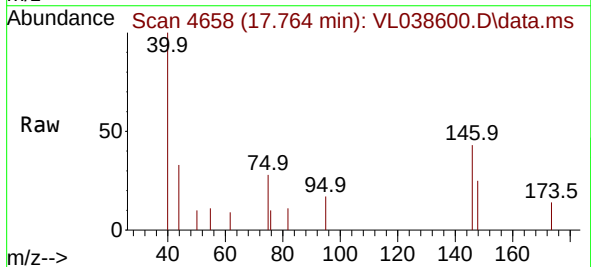
Tgt Ion:146 Resp: 821
Ion Ratio Lower Upper
146 100
111 0.0 21.8 65.3#
148 0.0 32.8 98.4#

Manual Integrations
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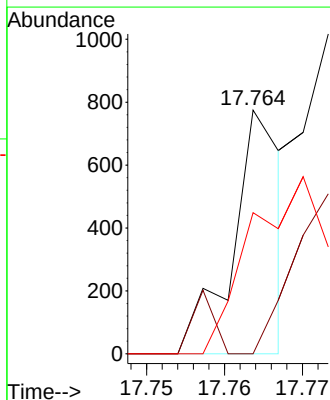
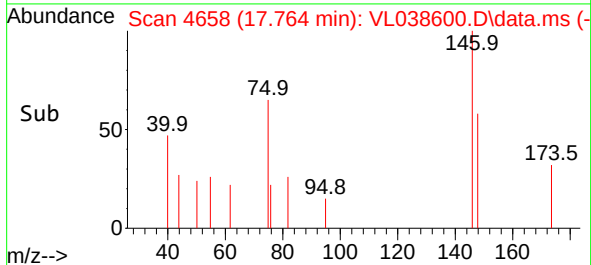
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

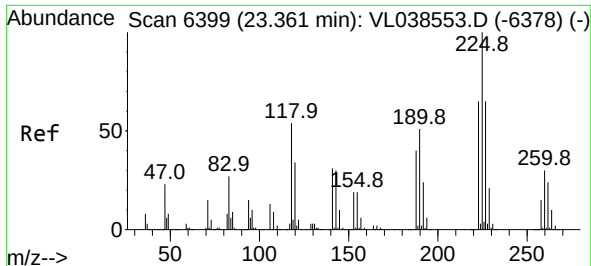


#77
1,2-Dichlorobenzene
Concen: 0.003 ppbv
RT: 17.764 min Scan# 4658
Delta R.T. -0.035 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



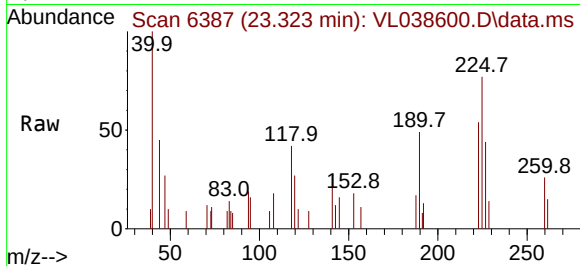
Tgt Ion:146 Resp: 347
Ion Ratio Lower Upper
146 100
111 0.0 23.2 69.5#
148 0.0 32.6 98.0#





#78
Hexachloro-1,3-Butadiene
Concen: 0.008 ppbv
RT: 23.323 min Scan# 6103
Delta R.T. -0.039 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38

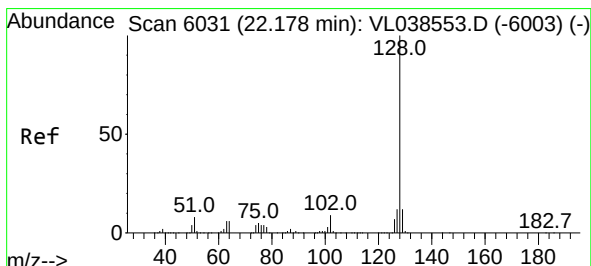
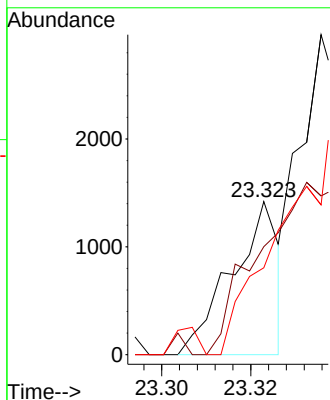
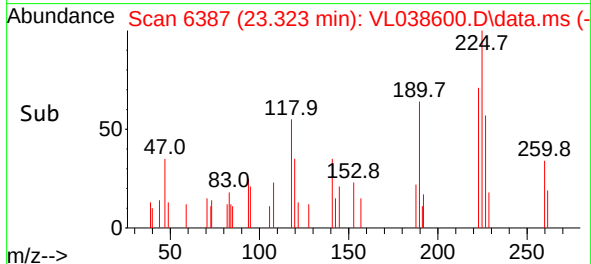
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



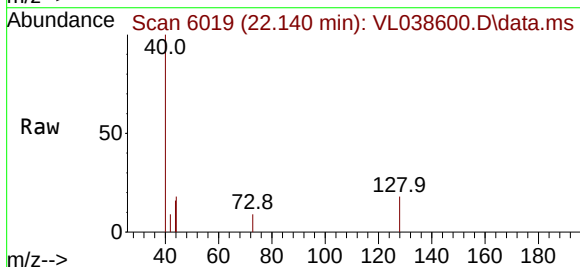
Tgt Ion:225 Resp: 1038
Ion Ratio Lower Upper
225 100
223 0.0 51.4 77.0#
227 0.0 51.9 77.9#

Manual Integrations
APPROVED

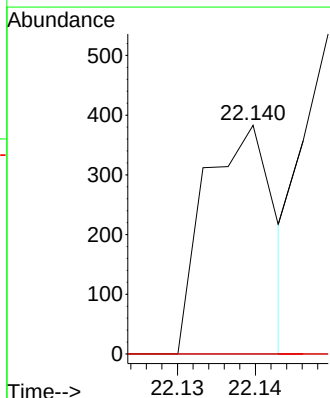
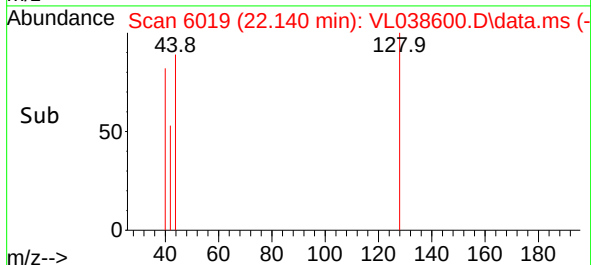
Reviewed By :Semsettin Yesilyurt 03/18/2022
Supervised By :Mahesh Dadoda 03/18/2022

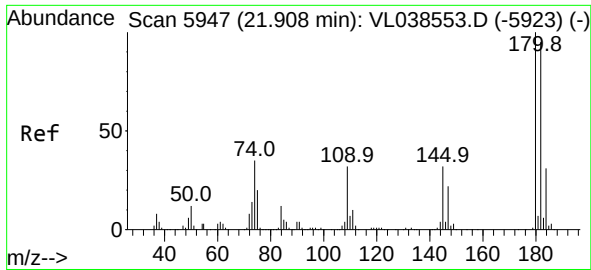


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.140 min Scan# 6019
Delta R.T. -0.039 min
Lab File: VL038600.D
Acq: 14 Mar 2022 17:38



Tgt Ion:128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 9.9 14.9#
129 0.0 9.3 13.9#





#81

1,2,4-Trichlorobenzene

Concen: 0.001 ppbv

RT: 21.876 min Scan# 5947

Delta R.T. -0.032 min

Lab File: VL038600.D

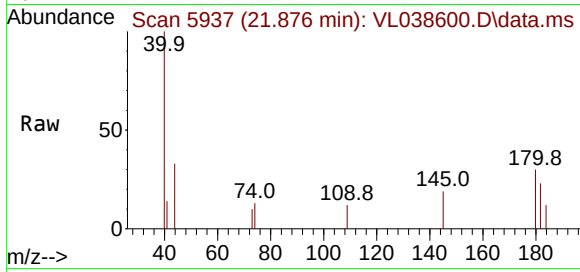
Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2022



Tgt Ion:180 Resp: 97

Ion Ratio Lower Upper

180 100

182 0.0 79.1 118.7

184 0.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/18/2022

Supervised By :Mahesh Dadoda 03/18/2022

