

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040205.D
 Acq On : 21 Feb 2023 21:46
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

Quant Time: Feb 22 05:07:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	841890	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2195501	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.478	117	1977634	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1648214	10.135	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	95499	0.609	ppbv	97
3) Chlorodifluoromethane	2.671	51	57935	0.576	ppbv	95
4) Chloromethane	2.809	50	36577	0.579	ppbv	94
5) Vinyl Chloride	2.919	62	26085	0.514	ppbv	100
6) Bromomethane	3.115	94	10140	0.553	ppbv	98
7) Chloroethane	3.195	64	11852	0.589	ppbv #	73
8) Dichlorotetrafluoroethane	2.851	85	76618	0.567	ppbv	98
9) Propene	2.690	41	22896	0.559	ppbv	99
10) Heptane	7.581	43	47080m	0.483	ppbv	
11) Trichlorofluoromethane	3.558	101	77139	0.548	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.066	101	58275	0.561	ppbv	99
13) Ethanol	3.253	45	2639	0.699	ppbv #	5
14) Bromoethene	3.366	108	21881	0.549	ppbv	94
15) Acetone	3.481	43	63354	0.625	ppbv	94
16) 1,3-Butadiene	2.980	39	24928m	0.539	ppbv	
17) tert-Butyl alcohol	3.899	59	56255m	0.609	ppbv	
18) 1,1-Dichloroethene	3.877	96	25184	0.558	ppbv	94
19) Isopropyl Alcohol	3.594	45	29122	0.604	ppbv #	97
20) Methylene Chloride	3.928	84	36332	0.689	ppbv	91
21) Allyl Chloride	3.999	41	29154	0.469	ppbv #	77
22) trans-1,2-Dichloroethene	4.449	96	26028m	0.557	ppbv	
23) Vinyl Acetate	4.639	43	18739m	0.609	ppbv	
24) 1,1-Dichloroethane	4.565	63	52168	0.543	ppbv	98
25) Ethyl Acetate	5.214	43	95226	0.505	ppbv #	97
26) Hexane	5.214	57	39692	0.491	ppbv	88
27) Carbon Disulfide	4.124	76	44866	0.437	ppbv #	91
28) Methyl tert-Butyl Ether	4.597	73	44673	0.515	ppbv	95
29) Chloroform	5.272	83	75741	0.545	ppbv	92
30) Cyclohexane	6.607	84	33884	0.533	ppbv #	84
31) cis-1,2-Dichloroethene	5.076	61	42555	0.554	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	72160	0.553	ppbv	97
34) 2-Butanone	4.800	43	57649	0.532	ppbv	96
35) Carbon Tetrachloride	6.494	117	67662	0.521	ppbv	97
36) Benzene	6.372	78	84219	0.493	ppbv	97
37) 1,2-Dichloroethane	5.806	62	56758	0.531	ppbv	99
38) Trichloroethene	7.298	130	45523	0.484	ppbv	90
39) 1,2-Dichloropropane	7.076	63	33921	0.510	ppbv #	91
40) 1,4-Dioxane	7.320	88	14645m	0.551	ppbv	
41) Tetrahydrofuran	5.587	42	31102m	0.496	ppbv	
42) Bromodichloromethane	7.250	83	73063m	0.495	ppbv	
43) Methyl Methacrylate	7.491	69	28401m	0.449	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	138487	0.486	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	19796m	0.353	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 22 05:07:47 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	32850m	0.420	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	35531m	0.494	ppbv	
48) Dibromochloromethane	9.716	129	50400	0.438	ppbv	99
49) Bromoform	12.417	173	37140m	0.414	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	82012m	0.488	ppbv	
51) 2-Hexanone	9.584	43	54074m	0.418	ppbv	
52) Tetrachloroethene	10.622	164	28237m	0.529	ppbv	
53) Toluene	9.230	91	77785	0.425	ppbv	99
54) 1,2-Dibromoethane	10.021	107	37362	0.500	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.516	131	43535	0.524	ppbv #	1
57) Chlorobenzene	11.536	112	77094	0.534	ppbv	98
58) Ethyl Benzene	12.098	91	108950	0.453	ppbv	94
59) m/p-Xylene	12.378	91	199169m	0.936	ppbv	
60) o-Xylene	13.076	91	97741m	0.477	ppbv	
61) Styrene	12.909	104	39668m	0.369	ppbv	
62) Isopropylbenzene	14.037	105	147434	0.502	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.056	83	39972m	0.542	ppbv	
64) n-propylbenzene	14.931	120	34433	0.473	ppbv	77
65) tert-Butylbenzene	16.108	119	118360	0.463	ppbv	91
66) Benzyl Chloride	16.346	91	6973m	0.410	ppbv	
67) sec-Butylbenzene	16.651	105	181621m	0.496	ppbv	
69) p-Isopropyltoluene	17.008	119	125687	0.433	ppbv	94
70) n-Butylbenzene	17.902	91	145216	0.461	ppbv	96
71) 2-Chlorotoluene	14.812	91	106358	0.473	ppbv	97
72) 4-Ethyltoluene	15.208	105	104613m	0.462	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	99220	0.471	ppbv	86
74) 1,2,4-Trimethylbenzene	16.117	105	111626	0.482	ppbv #	89
75) 1,3-Dichlorobenzene	16.339	146	64044m	0.506	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	62126m	0.501	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	65841m	0.523	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	47134m	0.545	ppbv	
79) Naphthalene	21.410	128	50361m	0.387	ppbv	
80) Naphthalene,2-methyl-	24.387	142	13211m	0.357	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	36657m	0.451	ppbv	

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

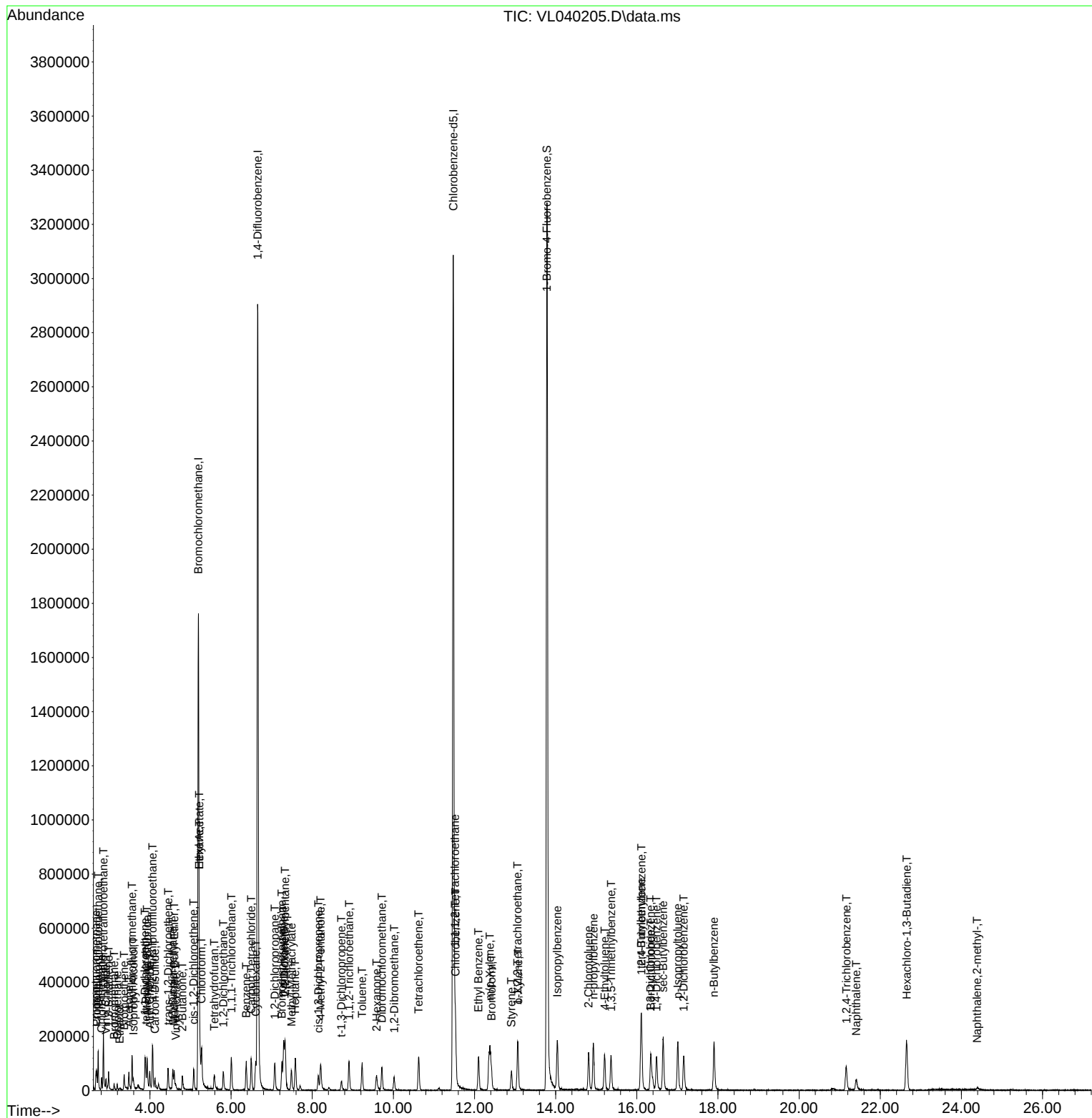
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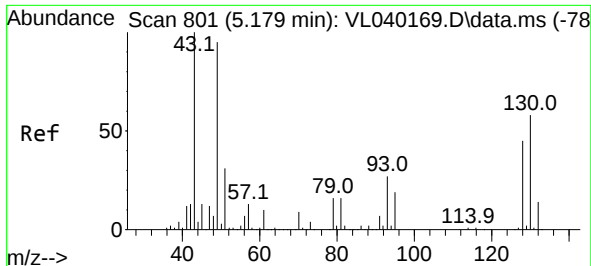
Instrument :
MSVOA_L
ClientSampleId :
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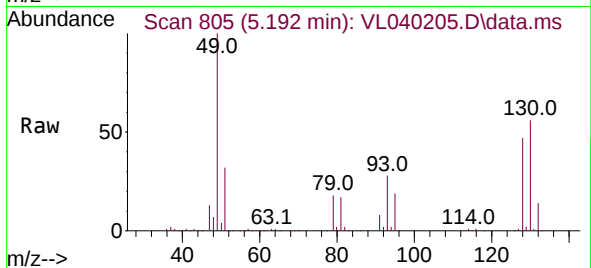
Reviewed By : Semsettin Yesilyurt 02/22/2023
Supervised By : Mahesh Dadoda 02/23/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

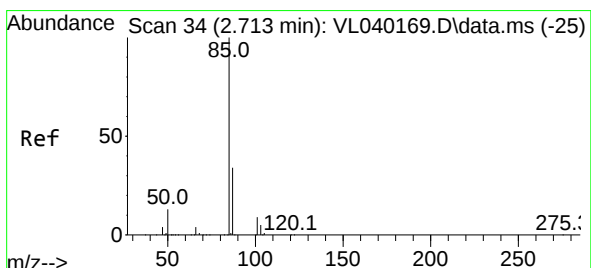
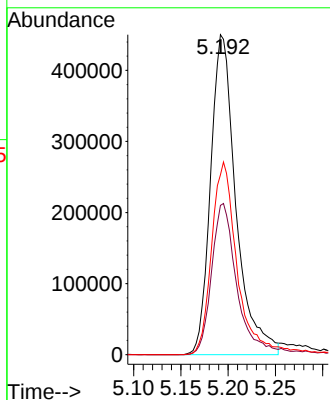
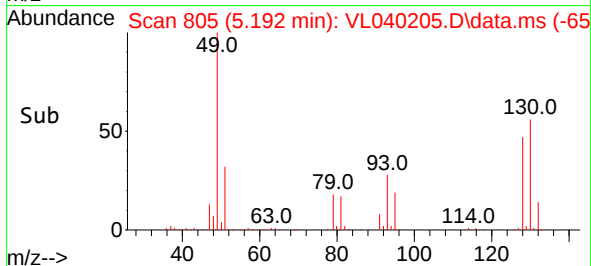
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



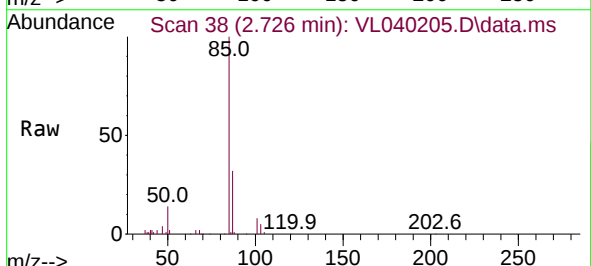
Tgt Ion: 49 Resp: 841890
Ion Ratio Lower Upper
49 100
128 49.5 24.1 72.3
130 62.7 30.9 92.8

Manual Integrations
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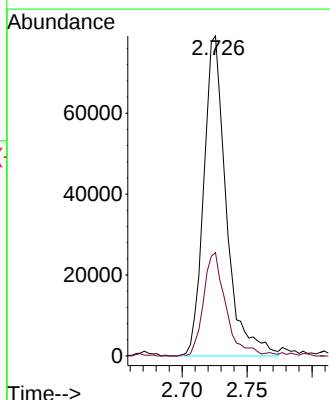
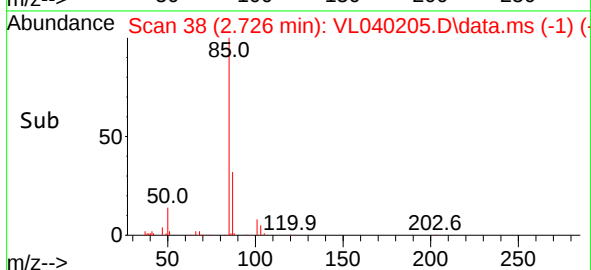
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

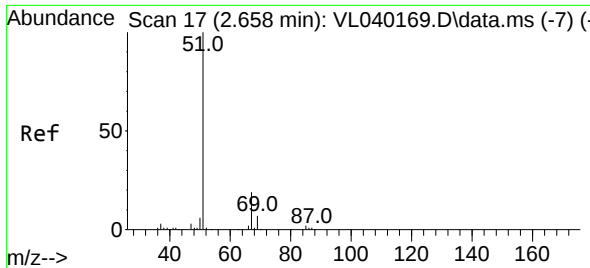


#2
Dichlorodifluoromethane
Concen: 0.609 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46



Tgt Ion: 85 Resp: 95499
Ion Ratio Lower Upper
85 100
87 32.3 27.0 40.6





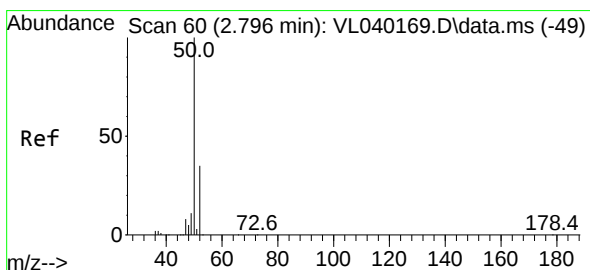
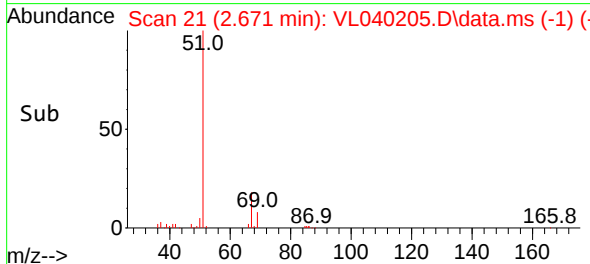
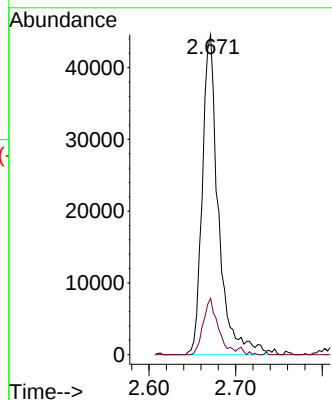
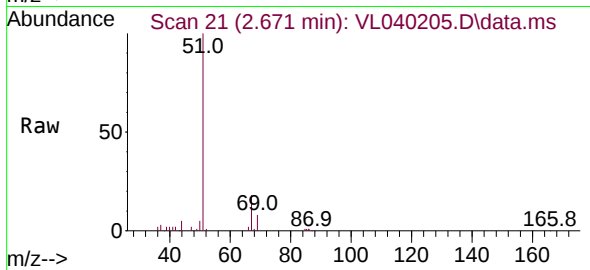
#3
Chlorodifluoromethane
Concen: 0.576 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion: 51 Resp: 5793
Ion Ratio Lower Upper
51 100
67 17.3 15.4 23.2

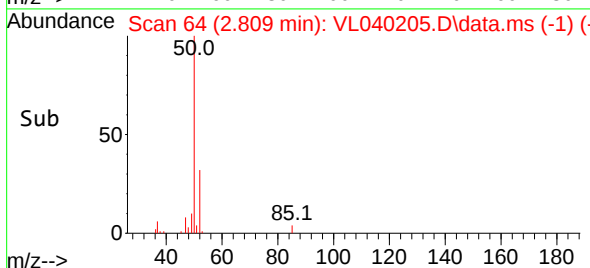
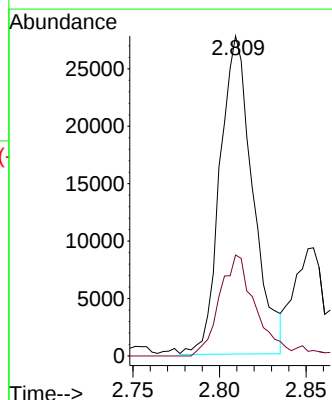
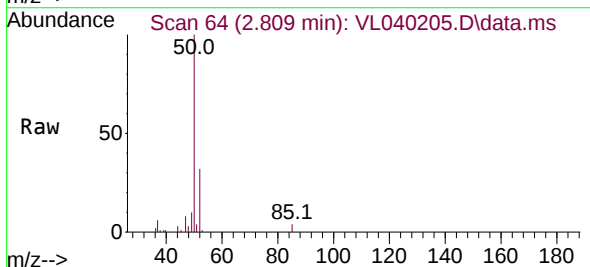
Manual Integrations
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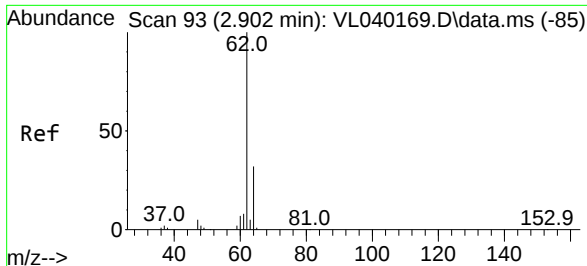
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Chloromethane
Concen: 0.579 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

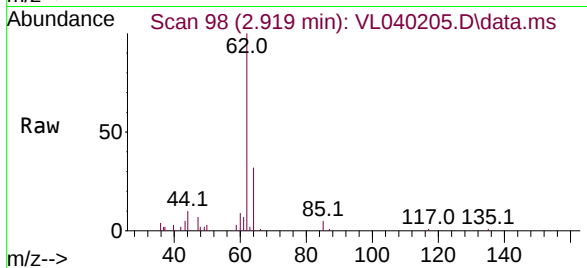
Tgt Ion: 50 Resp: 36577
Ion Ratio Lower Upper
50 100
52 31.8 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.514 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

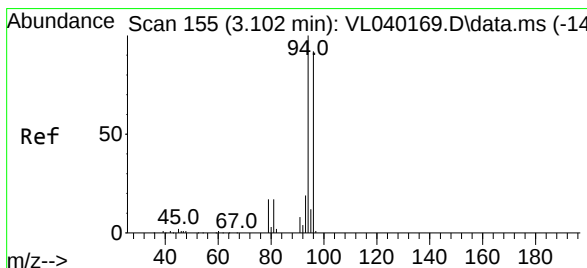
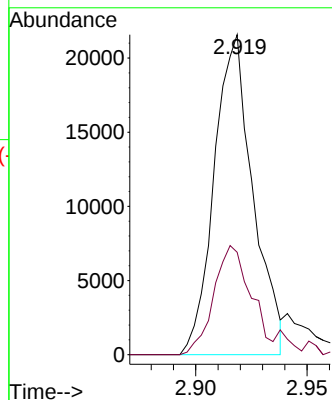
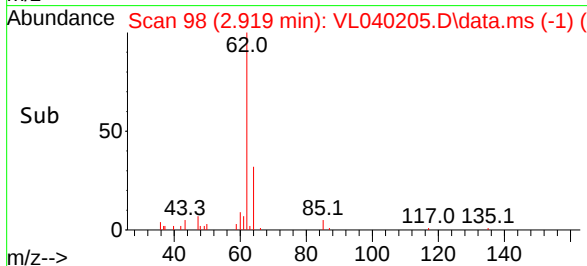
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 62 Resp: 2608
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.6 38.4

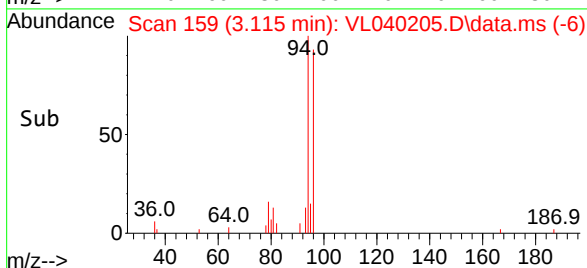
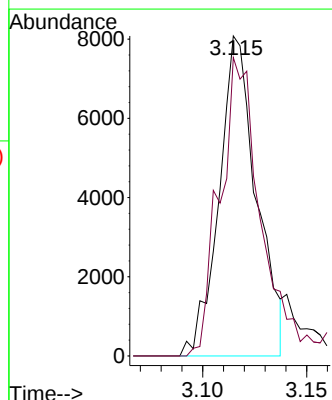
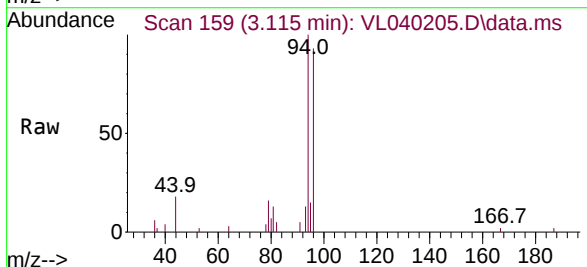
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#6
 Bromomethane
 Concen: 0.553 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.010 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

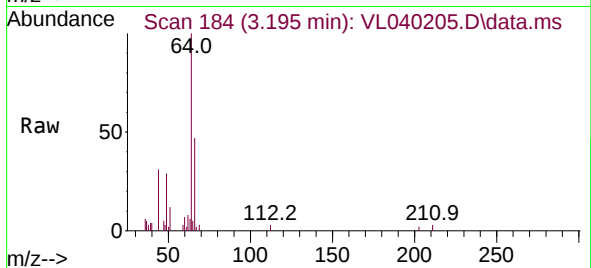
Tgt Ion: 94 Resp: 10140
 Ion Ratio Lower Upper
 94 100
 96 93.3 73.4 110.2





#7
Chloroethane
Concen: 0.589 ppbv
RT: 3.195 min Scan# 1185
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

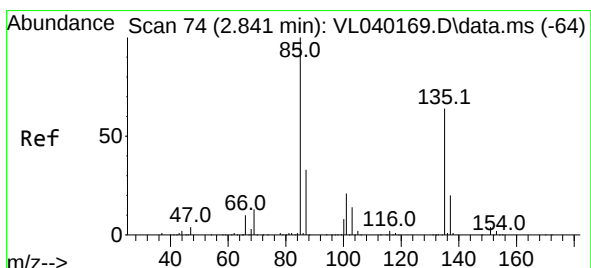
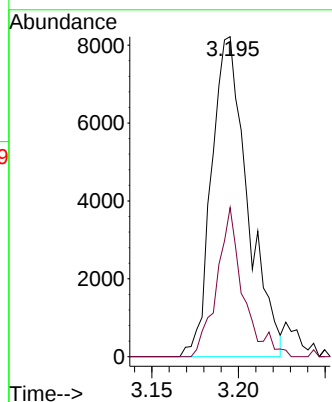
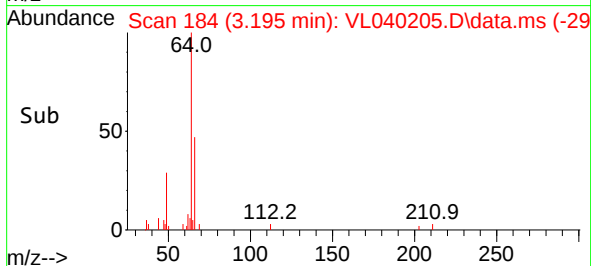
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 64 Resp: 1185
Ion Ratio Lower Upper
64 100
66 46.6 25.4 38.2

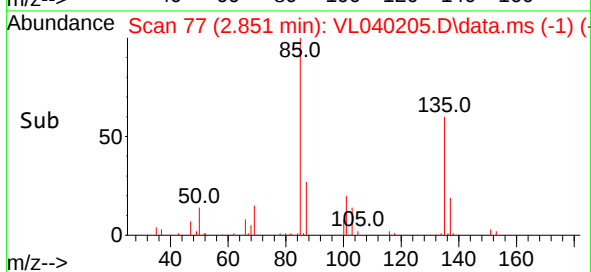
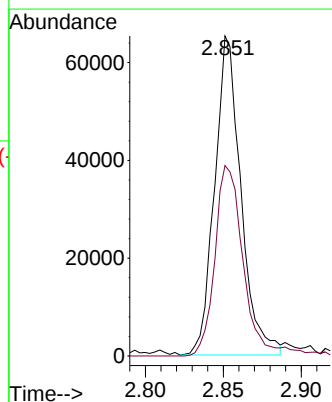
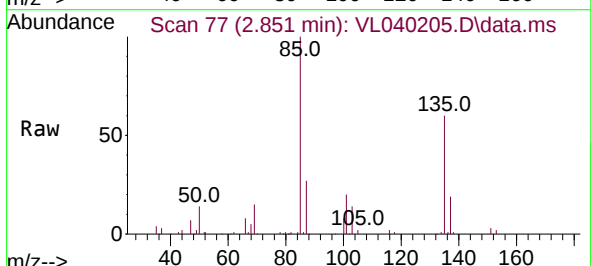
Manual Integrations
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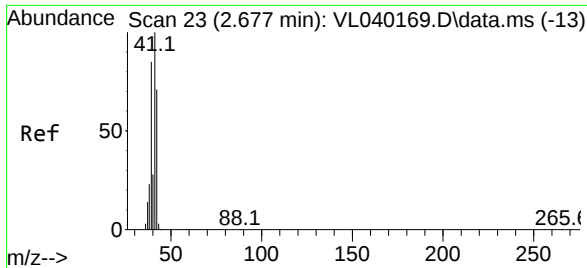
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#8
Dichlorotetrafluoroethane
Concen: 0.567 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

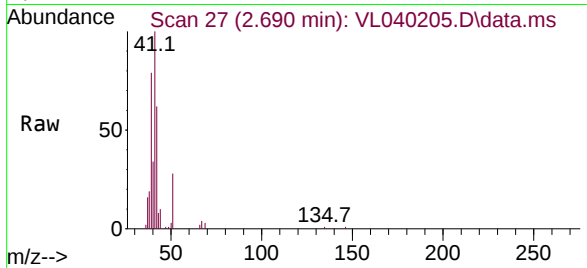
Tgt Ion: 85 Resp: 76618
Ion Ratio Lower Upper
85 100
135 66.2 51.5 77.3





#9
 Propene
 Concen: 0.559 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

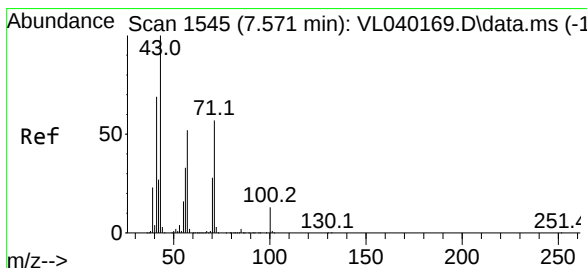
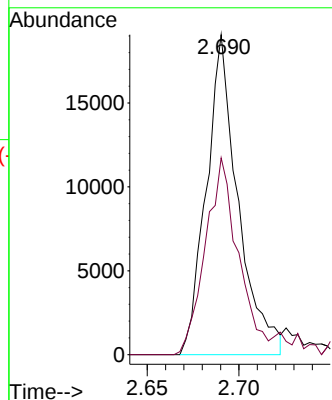
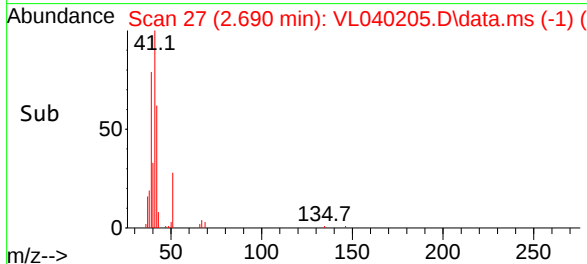
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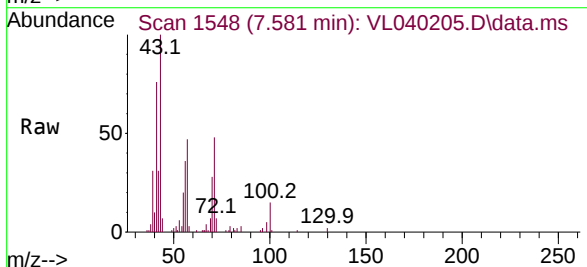
Tgt Ion: 41 Resp: 22890
 Ion Ratio Lower Upper
 41 100
 42 71.8 56.9 85.3

Manual Integrations
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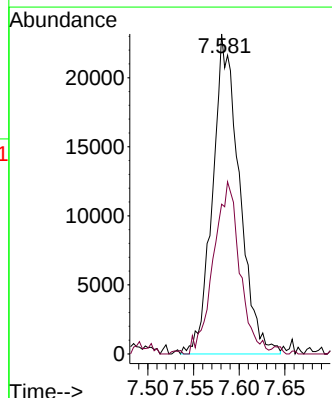
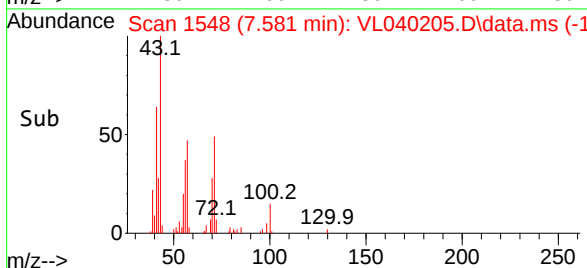
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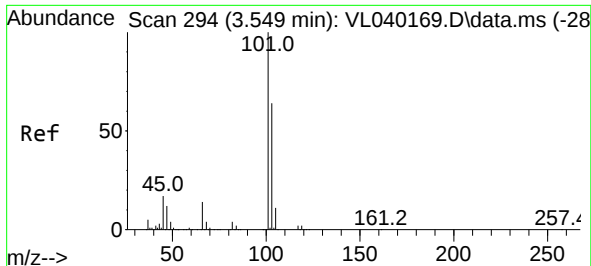


#10
 Heptane
 Concen: 0.483 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.023 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46



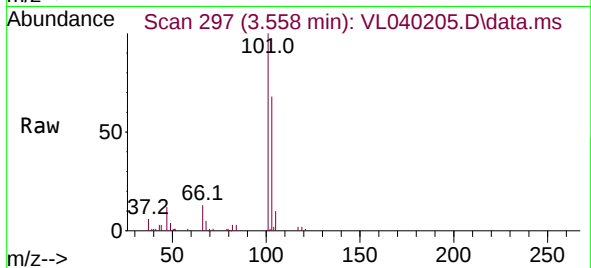
Tgt Ion: 43 Resp: 47080
 Ion Ratio Lower Upper
 43 100
 57 54.3 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.548 ppbv
RT: 3.558 min Scan# 294
Delta R.T. -0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

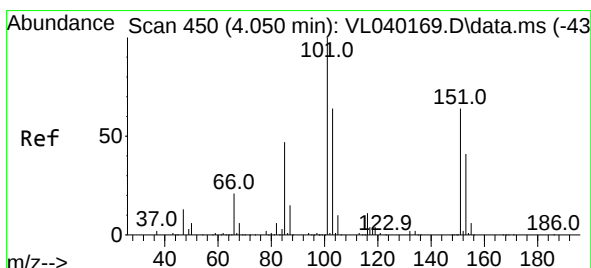
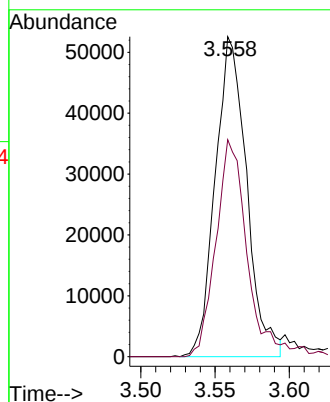
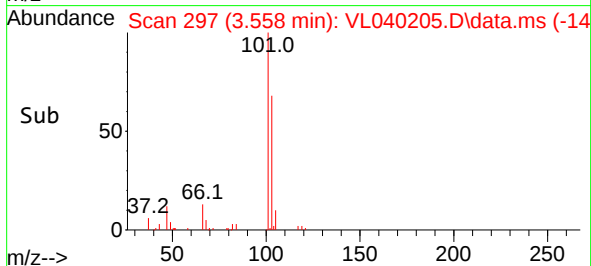
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:101 Resp: 77139
Ion Ratio Lower Upper
101 100
103 67.8 51.0 76.6

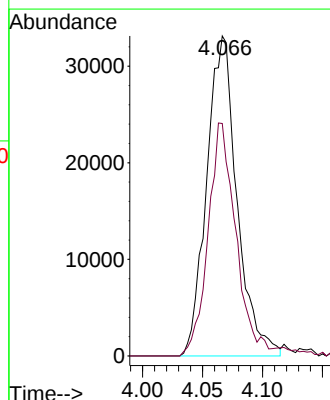
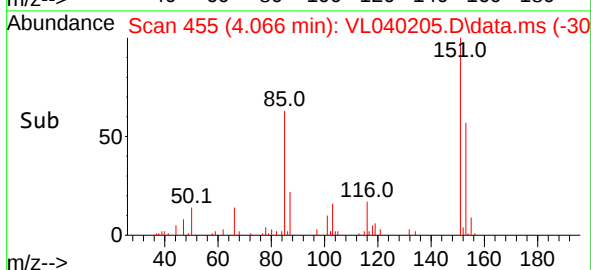
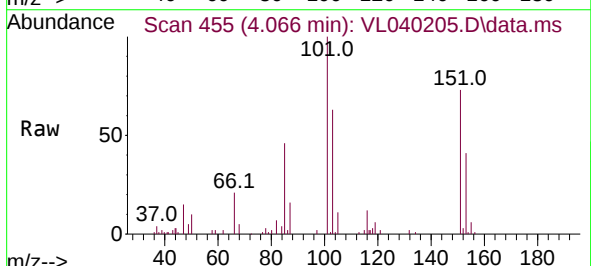
Manual Integrations
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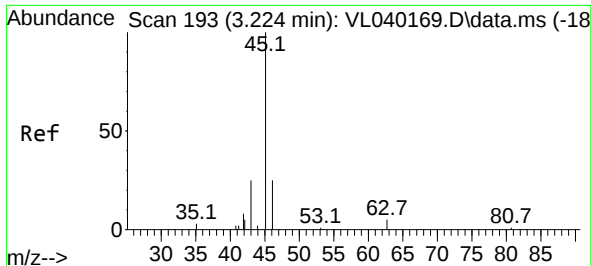
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.561 ppbv
RT: 4.066 min Scan# 455
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

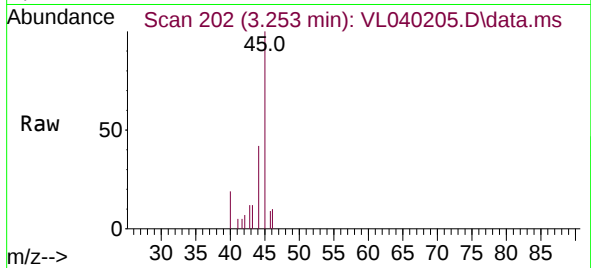
Tgt Ion:101 Resp: 58275
Ion Ratio Lower Upper
101 100
151 69.0 54.7 82.1





#13
Ethanol
Concen: 0.699 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

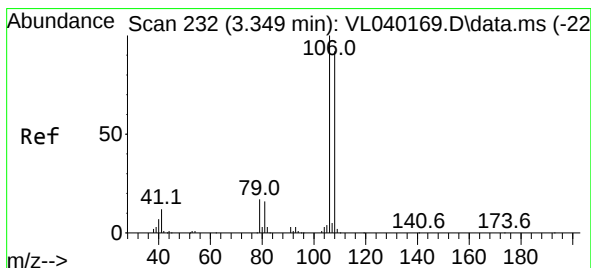
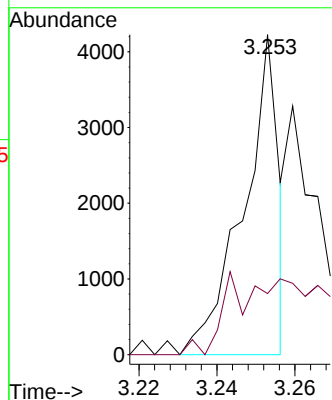
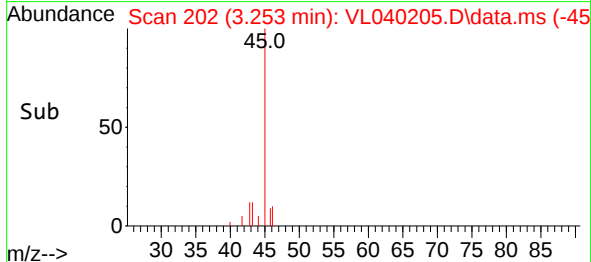
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 45 Resp: 2639
Ion Ratio Lower Upper
45 100
46 87.0 13.3 53.1

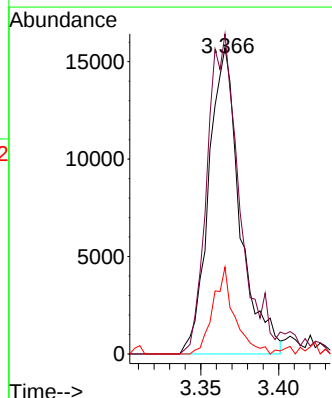
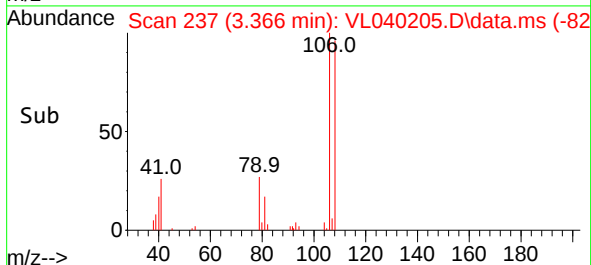
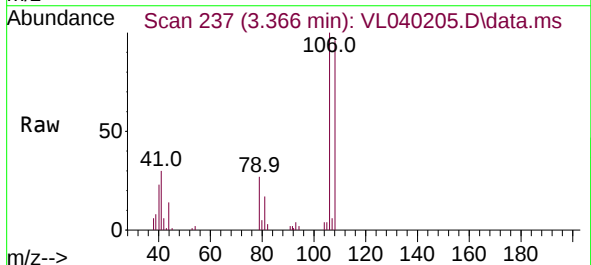
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#14
Bromoethene
Concen: 0.549 ppbv
RT: 3.366 min Scan# 237
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:108 Resp: 21881
Ion Ratio Lower Upper
108 100
106 115.5 87.1 130.7
79 20.4 15.4 23.2





#15

Acetone

Concen: 0.625 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 43 Resp: 63354

Ion Ratio Lower Upper

43 100

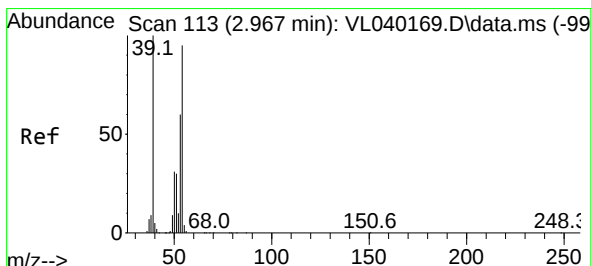
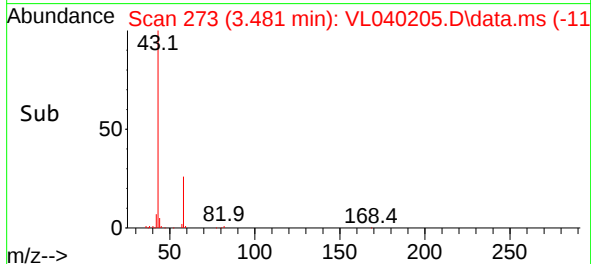
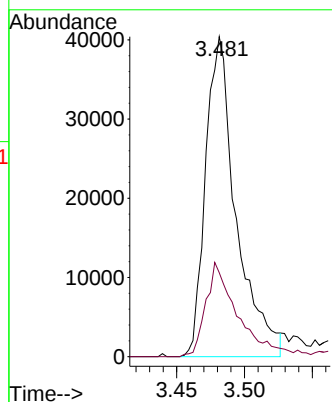
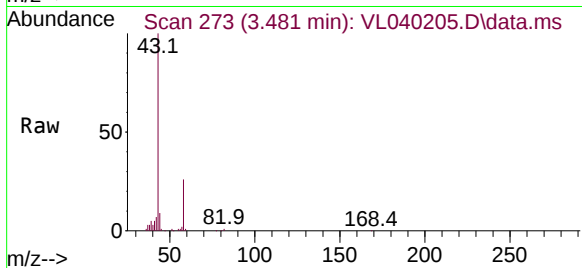
58 31.4 22.4 33.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#16

1,3-Butadiene

Concen: 0.539 ppbv m

RT: 2.980 min Scan# 117

Delta R.T. -0.006 min

Lab File: VL040205.D

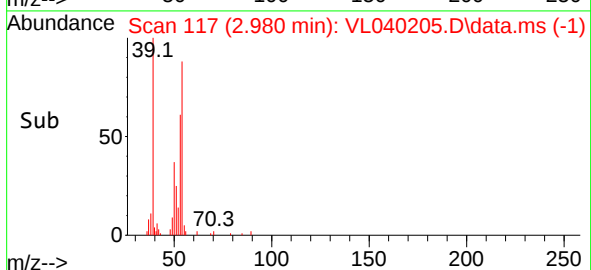
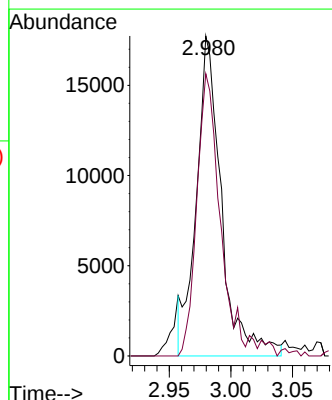
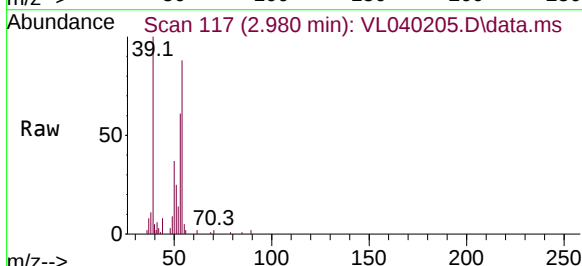
Acq: 21 Feb 2023 21:46

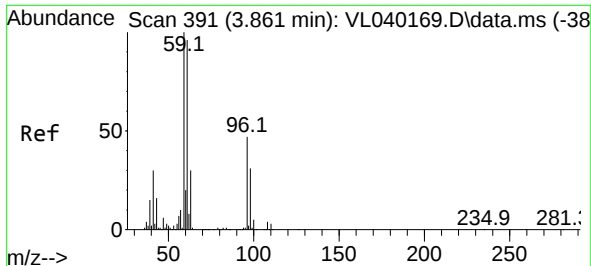
Tgt Ion: 39 Resp: 24928

Ion Ratio Lower Upper

39 100

54 82.7 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.609 ppbv m

RT: 3.899 min Scan# 403

Delta R.T. 0.013 min

Lab File: VL040205.D

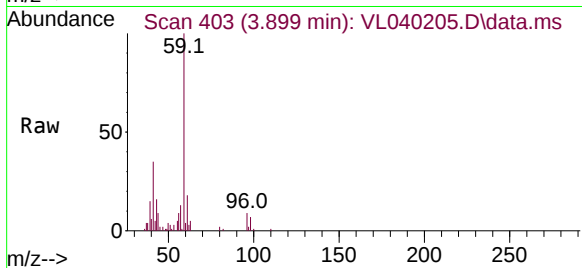
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion: 59 Resp: 5625

Ion Ratio Lower Upper

59 100

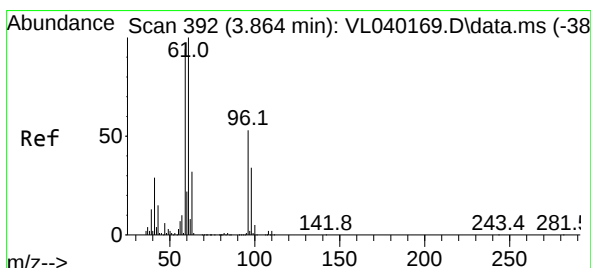
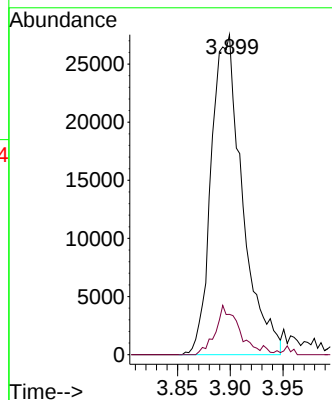
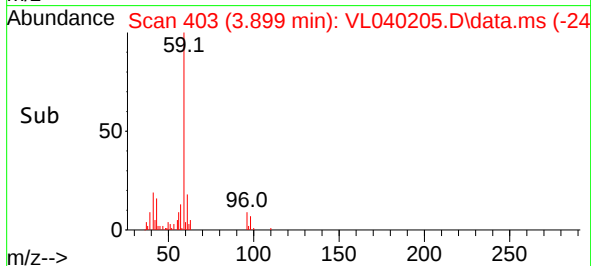
57 12.9 8.5 12.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#18

1,1-Dichloroethene

Concen: 0.558 ppbv

RT: 3.877 min Scan# 396

Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

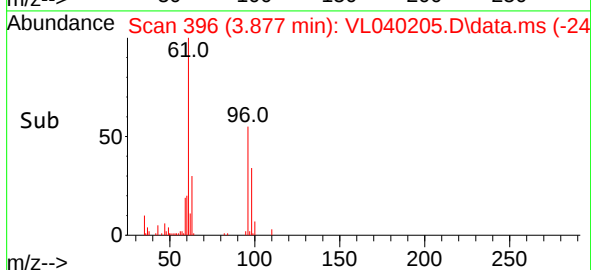
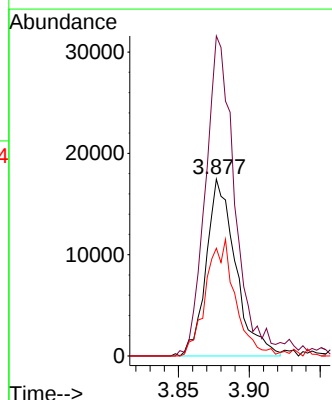
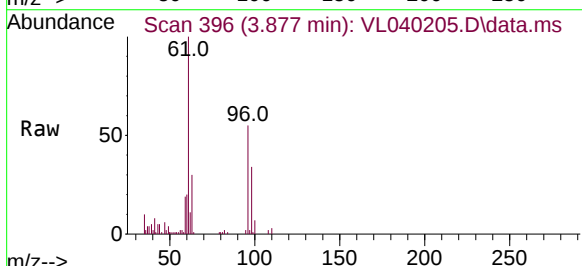
Tgt Ion: 96 Resp: 25184

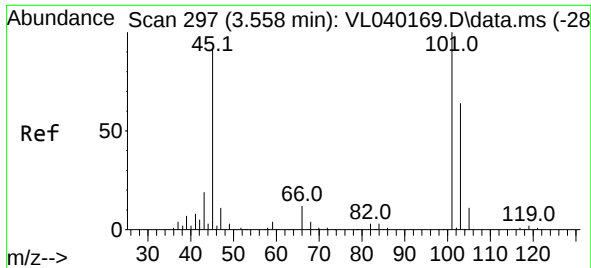
Ion Ratio Lower Upper

96 100

61 178.1 149.6 224.4

98 60.9 51.1 76.7





#19

Isopropyl Alcohol

Concen: 0.604 ppbv

RT: 3.594 min Scan# 308

Delta R.T. 0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

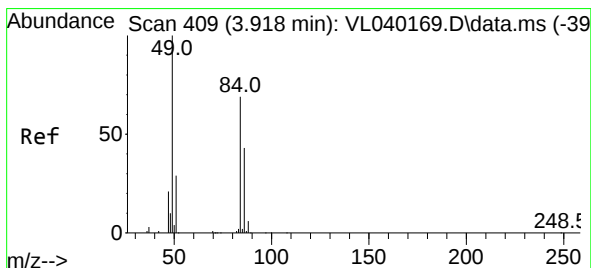
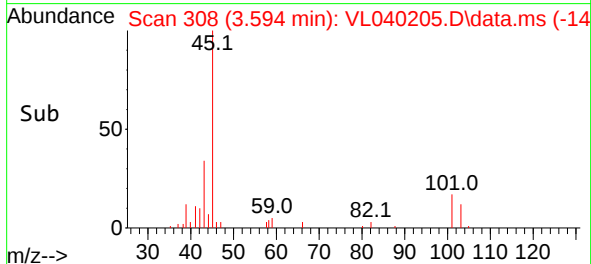
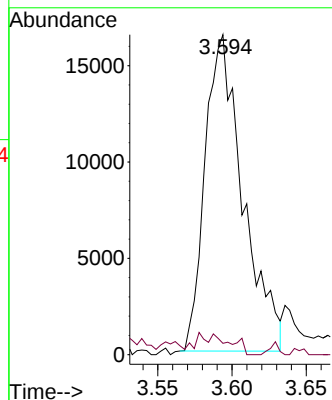
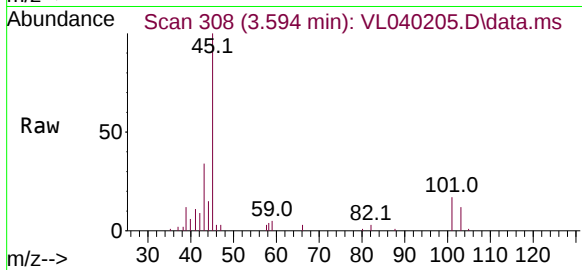
LOQ-AIR-02-QT1-2023

Tgt Ion: 45 Resp: 2912
 Ion Ratio Lower Upper
 45 100
 58 4.1 2.6 3.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#20

Methylene Chloride

Concen: 0.689 ppbv

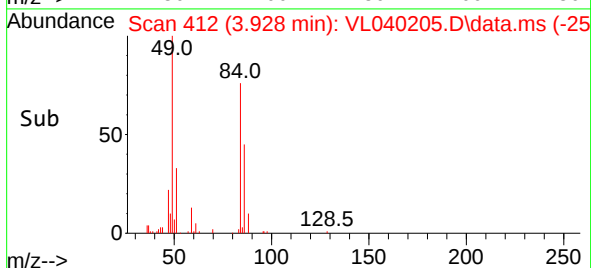
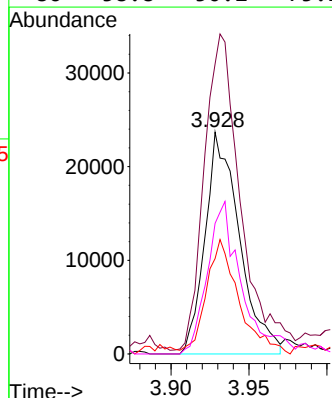
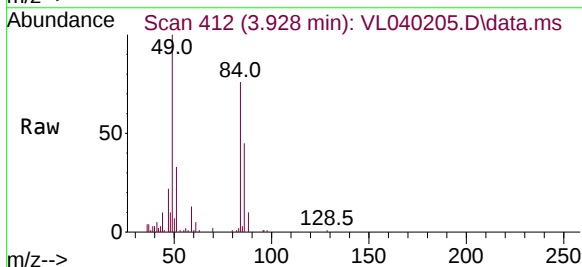
RT: 3.928 min Scan# 412

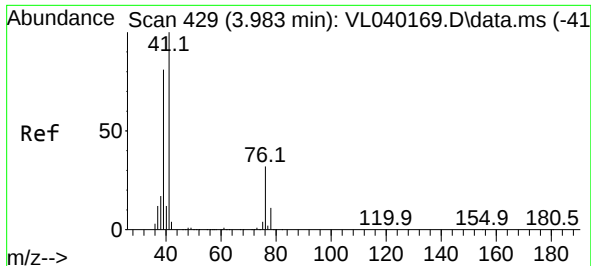
Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

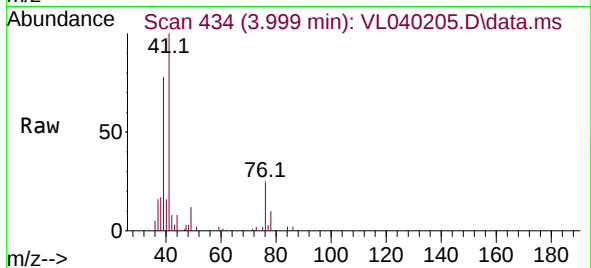
Tgt Ion: 84 Resp: 36332
 Ion Ratio Lower Upper
 84 100
 49 128.5 115.5 173.3
 51 41.3 33.1 49.7
 86 58.8 50.2 75.2





#21
 Allyl Chloride
 Concen: 0.469 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

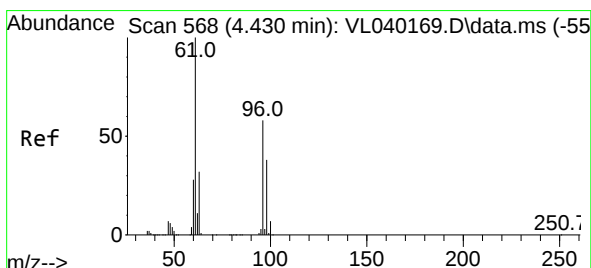
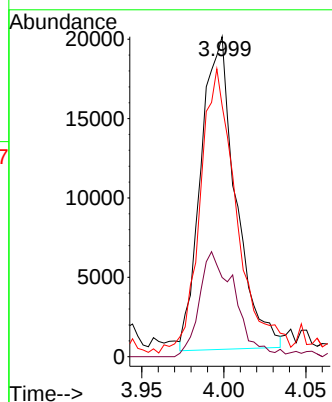
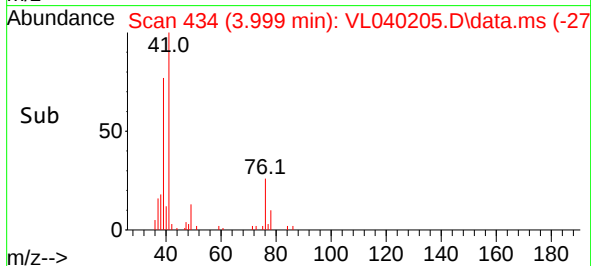
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 41 Resp: 29154
 Ion Ratio Lower Upper
 41 100
 76 36.1 25.5 38.3
 39 106.5 64.5 96.7

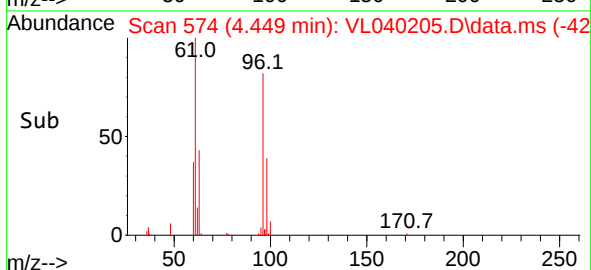
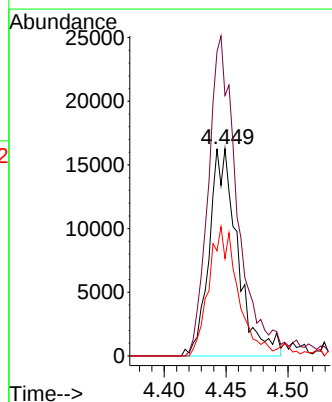
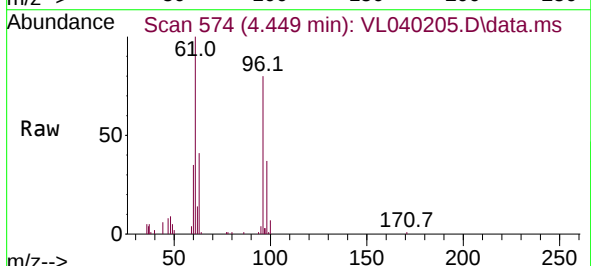
Manual Integrations
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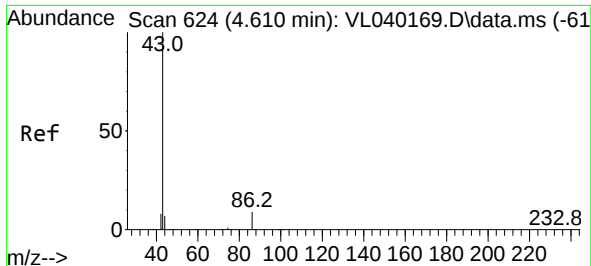
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.557 ppbv m
 RT: 4.449 min Scan# 574
 Delta R.T. -0.006 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

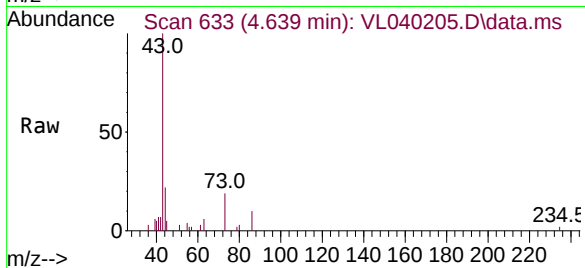
Tgt Ion: 96 Resp: 26028
 Ion Ratio Lower Upper
 96 100
 61 125.7 137.5 206.3#
 98 47.0 52.8 79.2#





#23
 Vinyl Acetate
 Concen: 0.609 ppbv m
 RT: 4.639 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

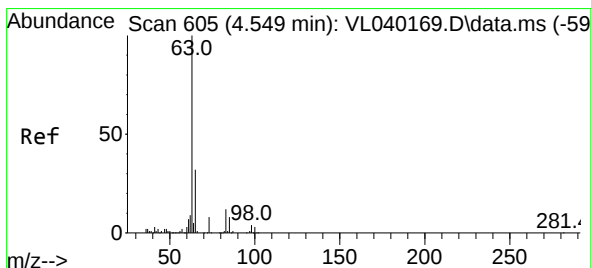
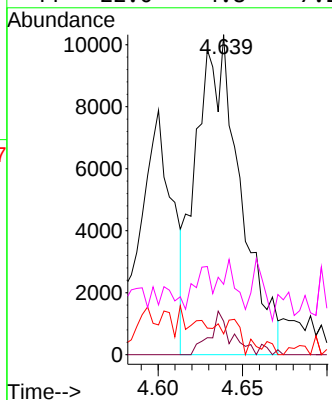
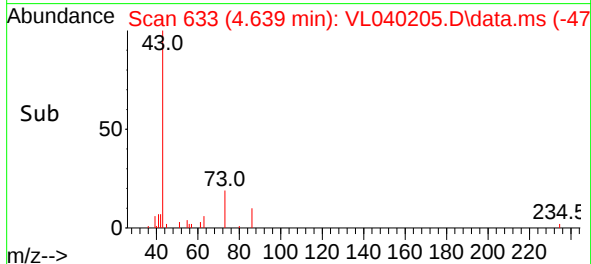
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



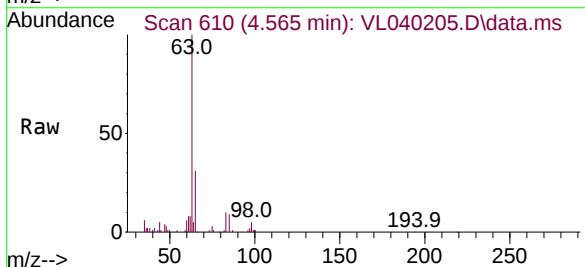
Tgt Ion: 43 Resp: 18739
 Ion Ratio Lower Upper
 43 100
 86 10.4 5.6 8.4
 42 6.5 7.6 11.4
 44 22.0 4.8 7.2

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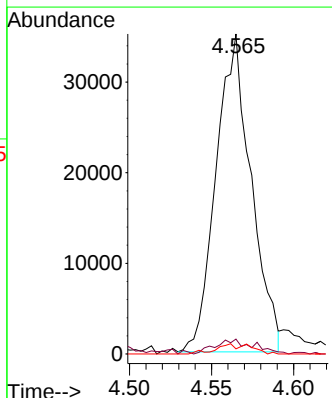
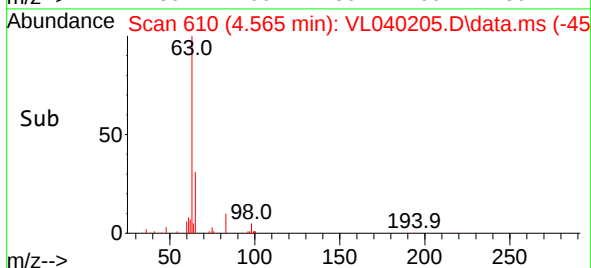
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

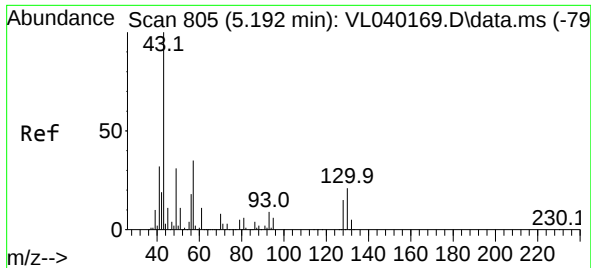


#24
 1,1-Dichloroethane
 Concen: 0.543 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46



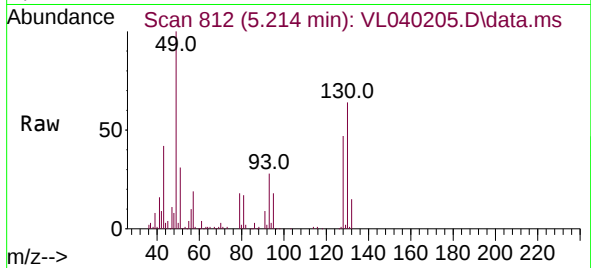
Tgt Ion: 63 Resp: 52168
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.3 6.8
 100 1.6 1.4 4.0





#25
Ethyl Acetate
Concen: 0.505 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

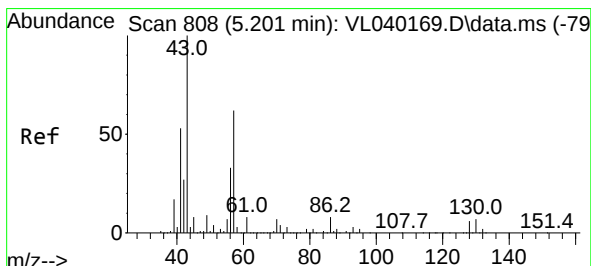
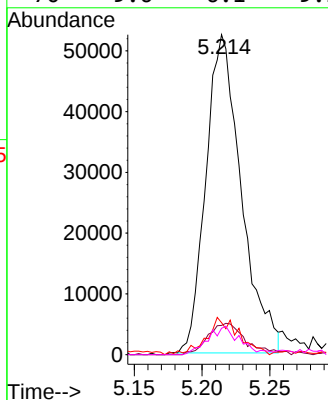
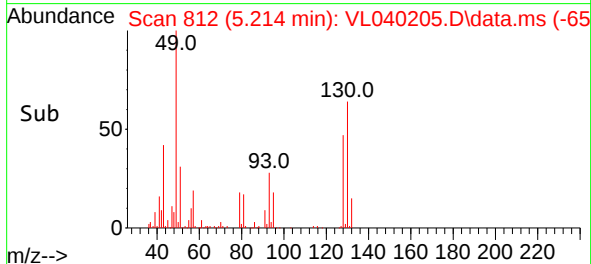
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 43 Resp: 95220
Ion Ratio Lower Upper
43 100
45 10.6 8.3 12.5
61 11.7 8.4 12.6
70 9.6 6.1 9.1#

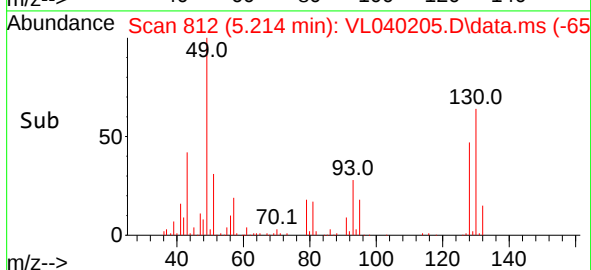
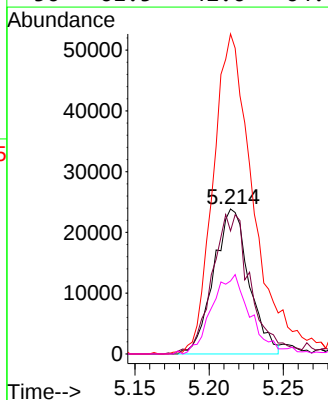
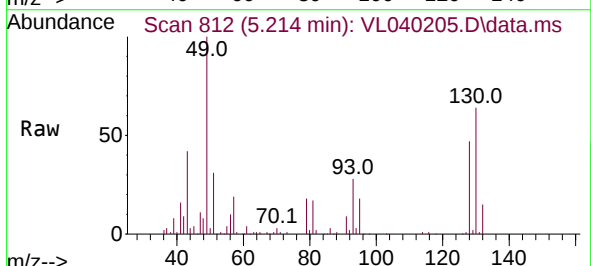
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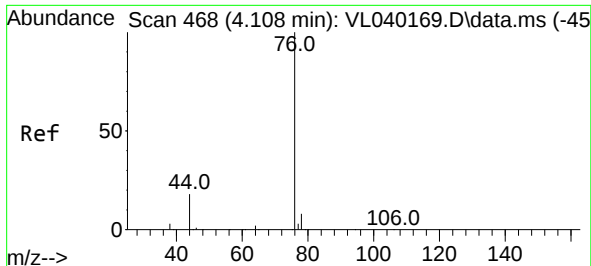
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
Hexane
Concen: 0.491 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

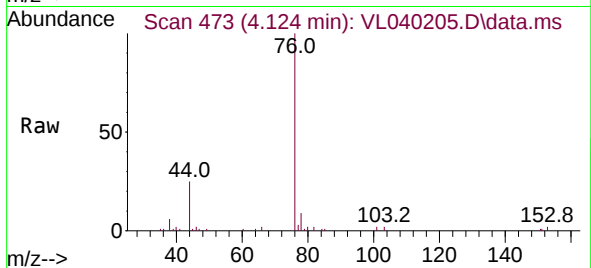
Tgt Ion: 57 Resp: 39692
Ion Ratio Lower Upper
57 100
41 105.8 74.3 111.5
43 261.8 193.0 289.4
56 61.5 42.6 64.0





#27
Carbon Disulfide
Concen: 0.437 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

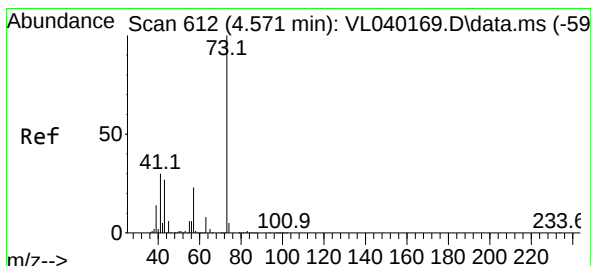
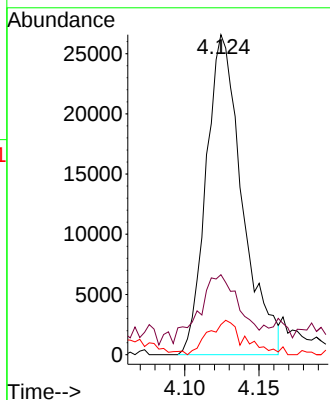
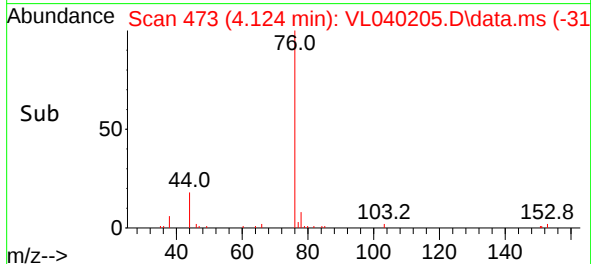
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 76 Resp: 44860
Ion Ratio Lower Upper
76 100
44 24.4 15.3 22.9
78 11.1 7.7 11.5

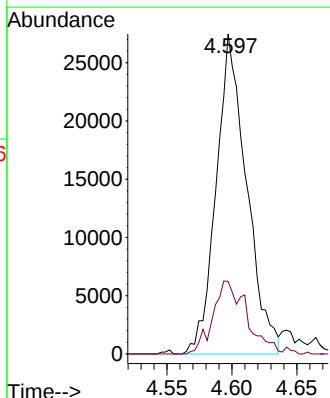
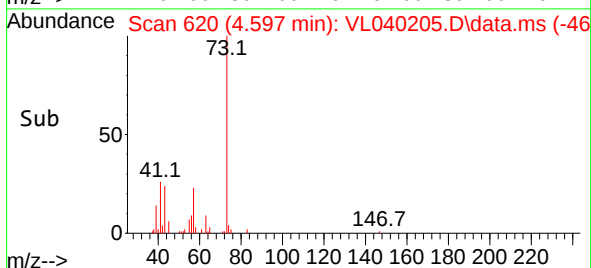
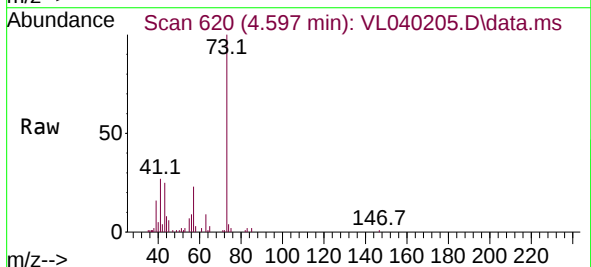
Manual Integrations
APPROVED

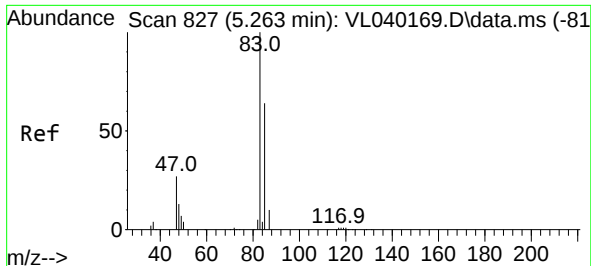
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 4.597 min Scan# 620
Delta R.T. -0.000 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 73 Resp: 44673
Ion Ratio Lower Upper
73 100
57 26.1 18.8 28.2





#29

Chloroform

Concen: 0.545 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 83 Resp: 7574

Ion Ratio Lower Upper

83 100

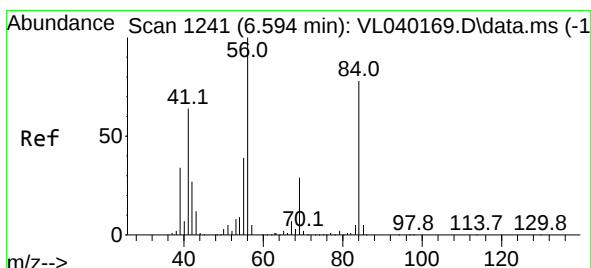
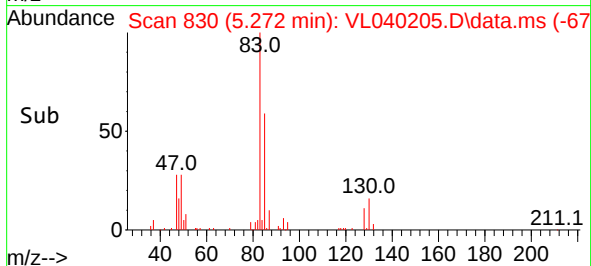
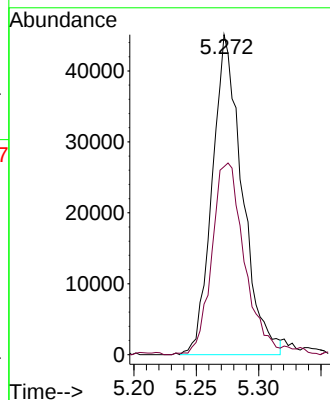
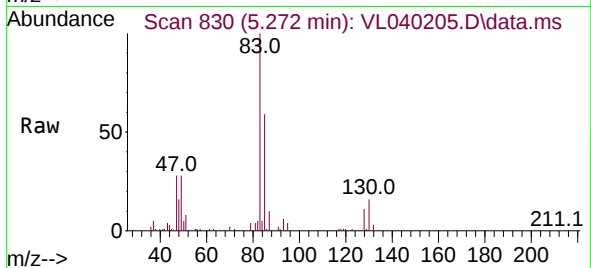
85 58.3 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#30

Cyclohexane

Concen: 0.533 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

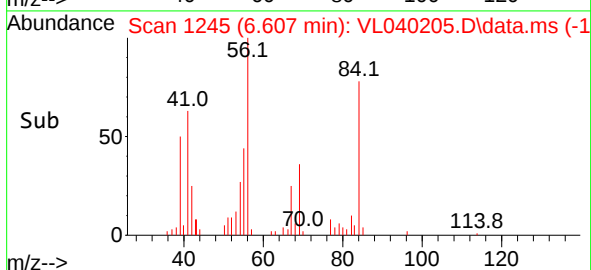
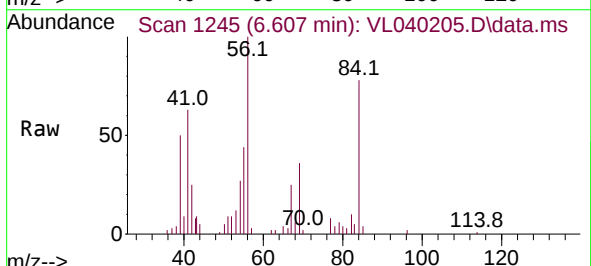
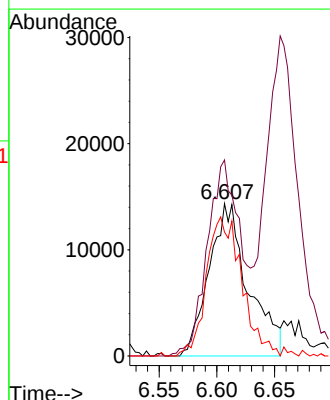
Tgt Ion: 84 Resp: 33884

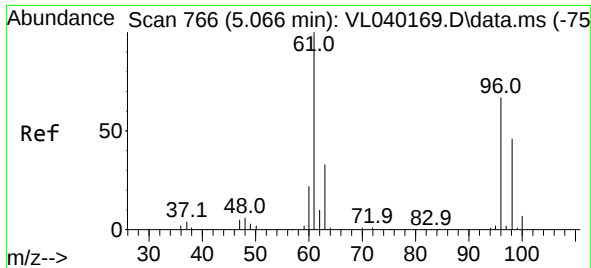
Ion Ratio Lower Upper

84 100

56 107.9 109.9 164.9#

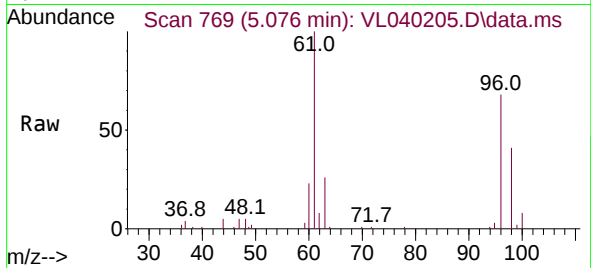
41 83.8 67.8 101.6





#31
 cis-1,2-Dichloroethene
 Concen: 0.554 ppbv
 RT: 5.076 min Scan# 766
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

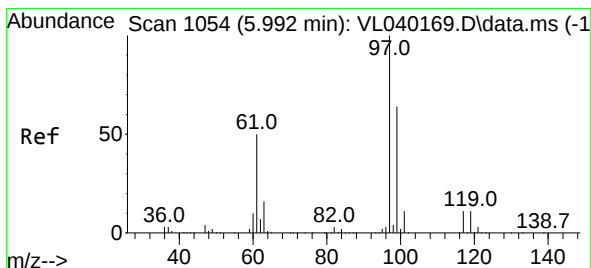
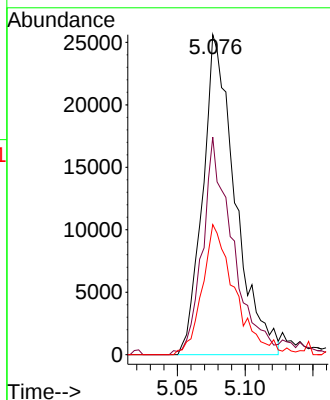
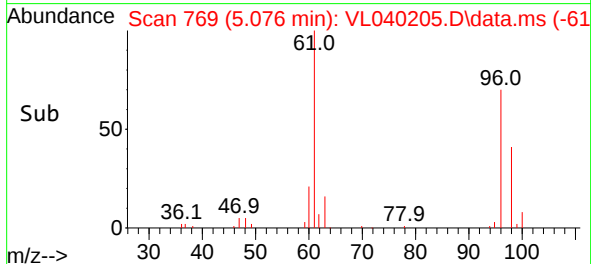
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



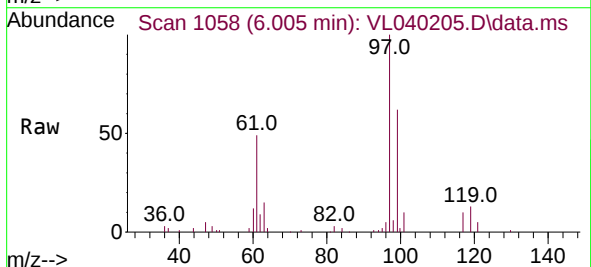
Tgt Ion: 61 Resp: 4255
 Ion Ratio Lower Upper
 61 100
 96 67.0 53.7 80.5
 98 39.3 36.4 54.6

Manual Integrations
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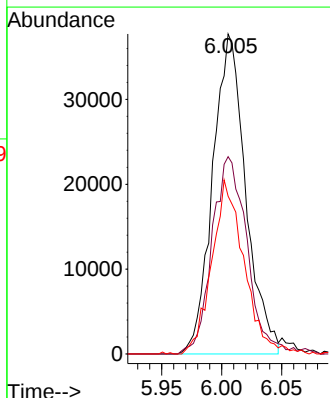
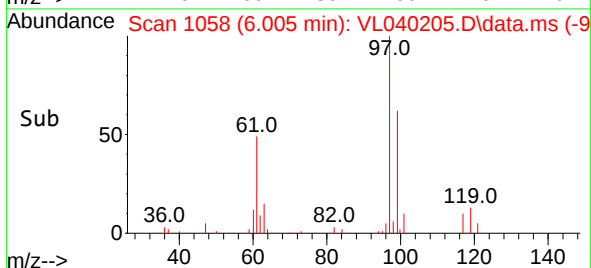
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

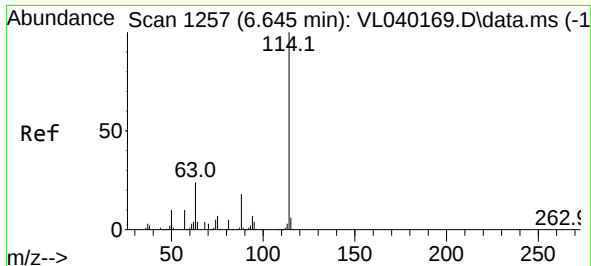


#32
 1,1,1-Trichloroethane
 Concen: 0.553 ppbv
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46



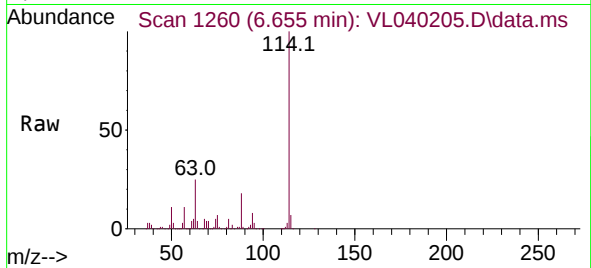
Tgt Ion: 97 Resp: 72160
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.5 77.3
 61 53.5 40.6 60.8





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

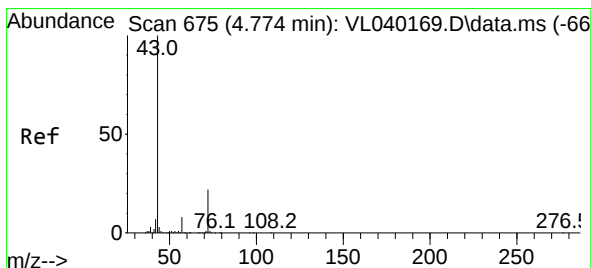
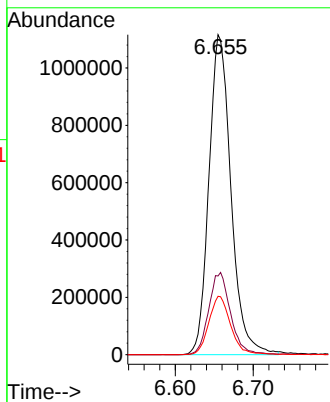
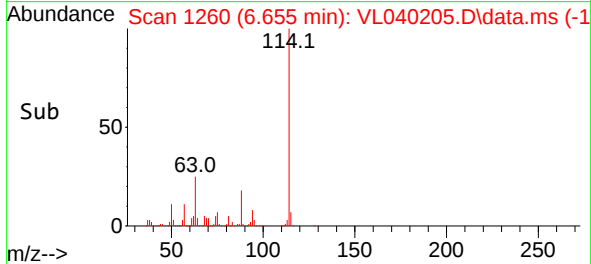
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:114 Resp: 219550
Ion Ratio Lower Upper
114 100
63 25.6 20.4 30.6
88 18.1 14.3 21.5

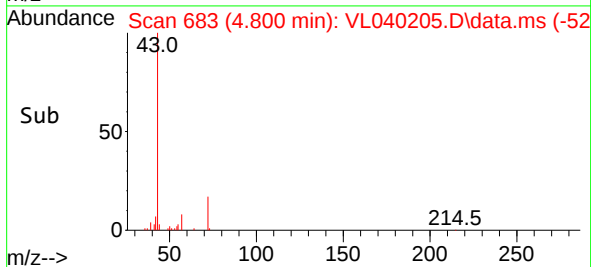
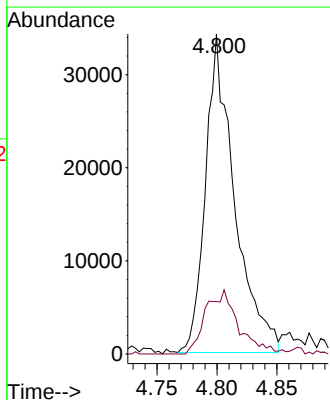
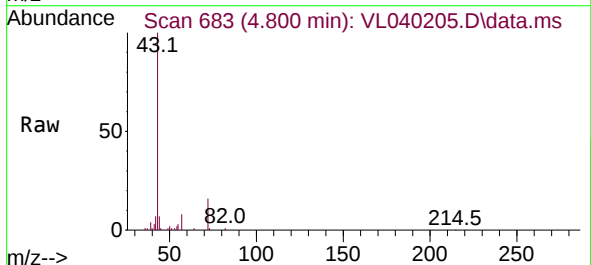
Manual Integrations
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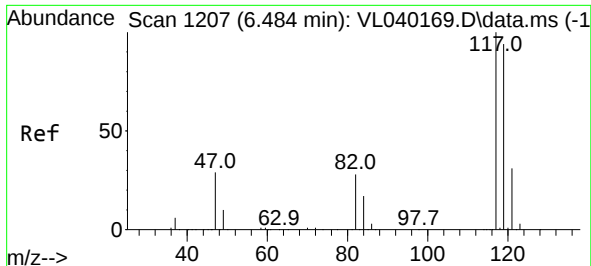
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#34
2-Butanone
Concen: 0.532 ppbv
RT: 4.800 min Scan# 683
Delta R.T. 0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

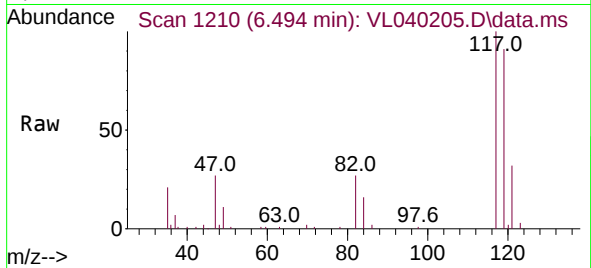
Tgt Ion: 43 Resp: 57649
Ion Ratio Lower Upper
43 100
72 24.0 17.8 26.8





#35
Carbon Tetrachloride
Concen: 0.521 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

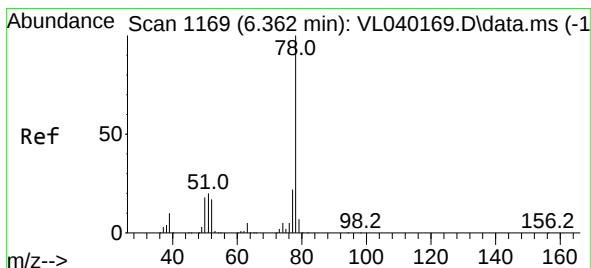
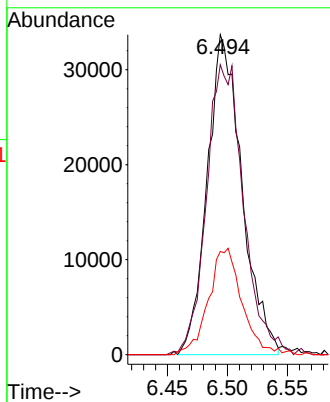
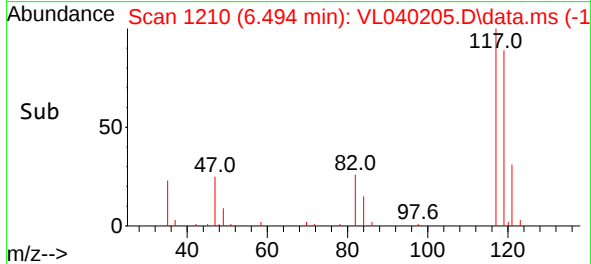
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 117 Resp: 67662
Ion Ratio Lower Upper
117 100
119 89.8 75.0 112.6
121 31.3 25.0 37.4

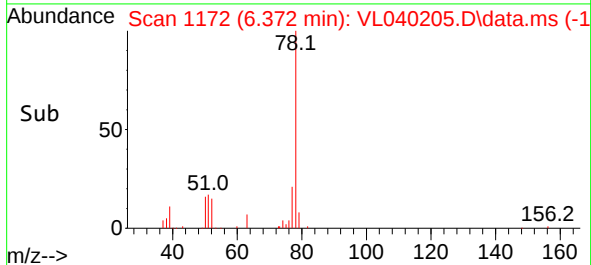
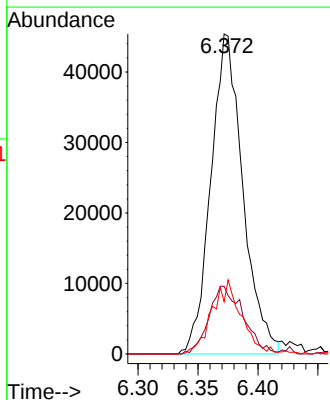
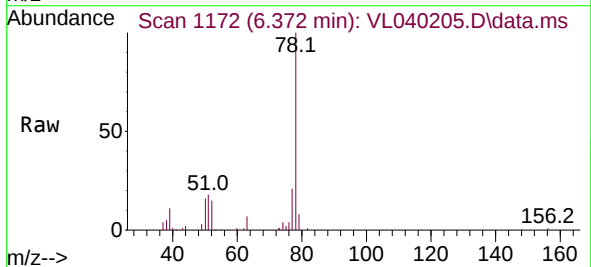
Manual Integrations
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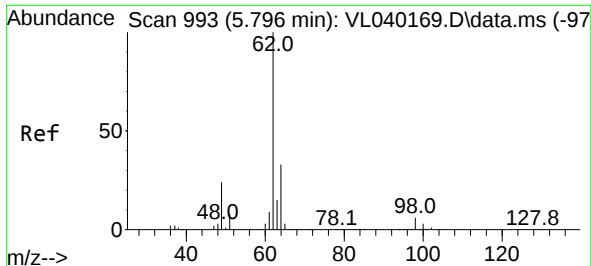
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#36
Benzene
Concen: 0.493 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

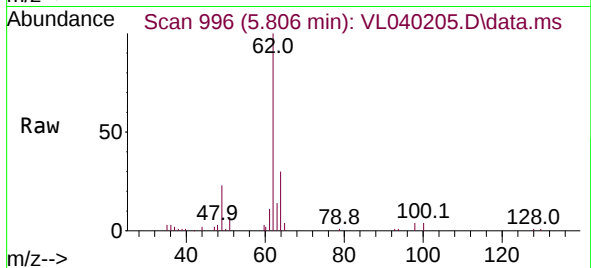
Tgt Ion: 78 Resp: 84219
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 16.4 14.6 22.0





#37
1,2-Dichloroethane
Concen: 0.531 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

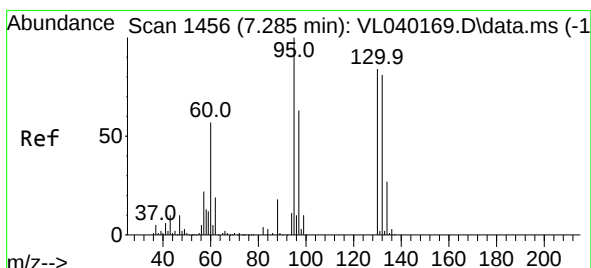
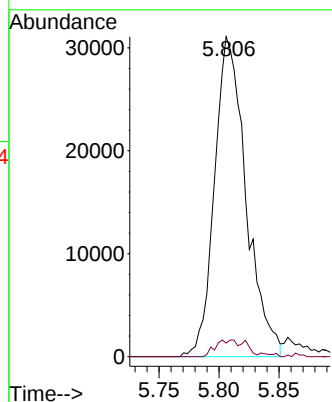
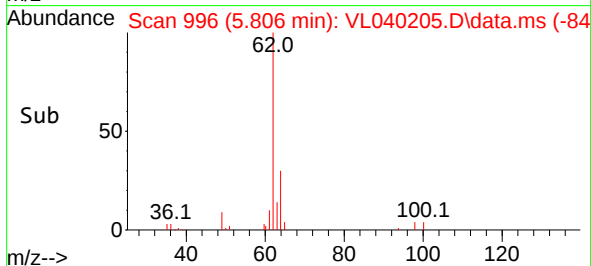
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 62 Resp: 56758
Ion Ratio Lower Upper
62 100
98 5.7 4.7 7.1

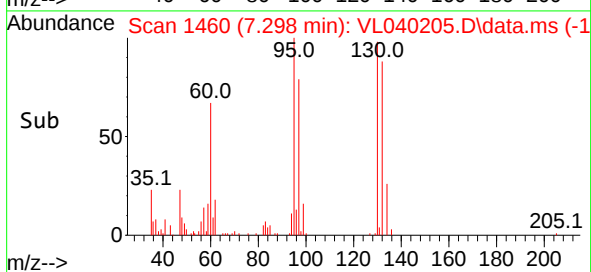
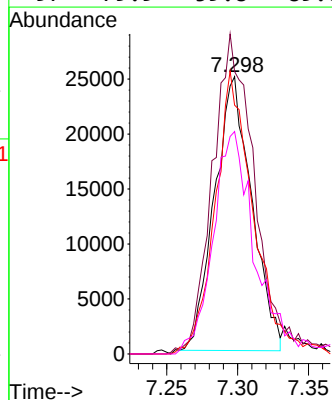
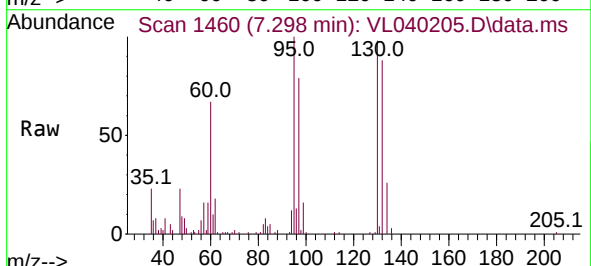
Manual Integrations
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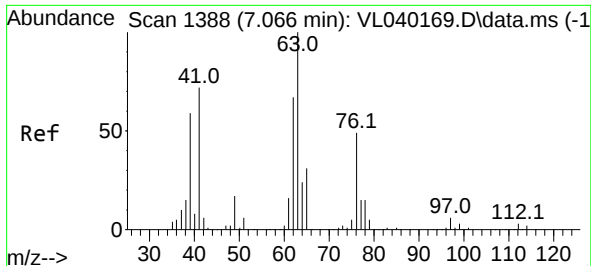
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#38
Trichloroethene
Concen: 0.484 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:130 Resp: 45523
Ion Ratio Lower Upper
130 100
95 101.4 94.7 142.1
132 88.4 76.4 114.6
97 79.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.510 ppbv

RT: 7.076 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

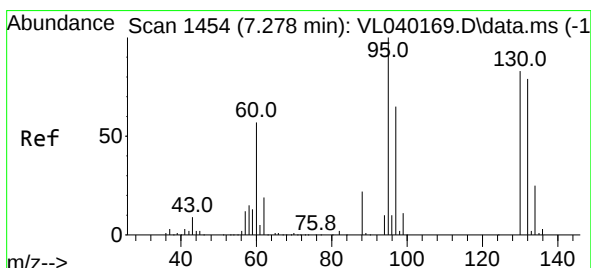
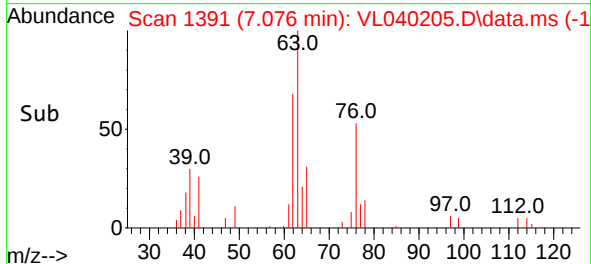
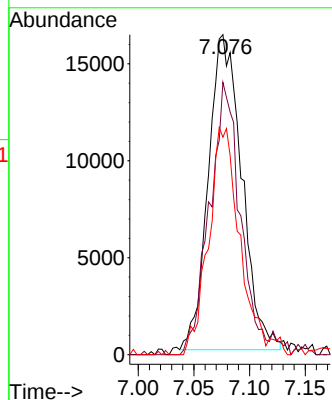
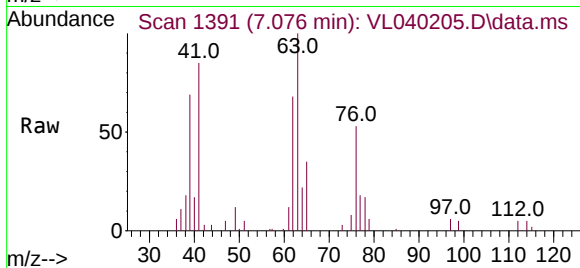
Tgt Ion: 63 Resp: 3392

Ion	Ratio	Lower	Upper
63	100		
41	86.5	57.6	86.4
62	67.4	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#40

1,4-Dioxane

Concen: 0.551 ppbv m

RT: 7.320 min Scan# 1467

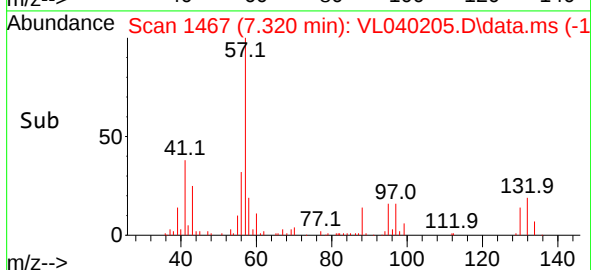
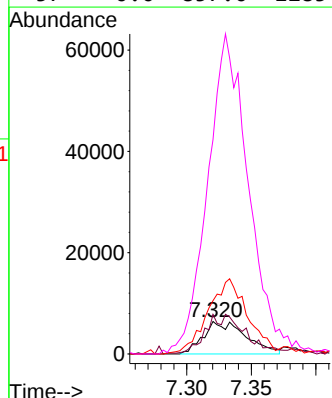
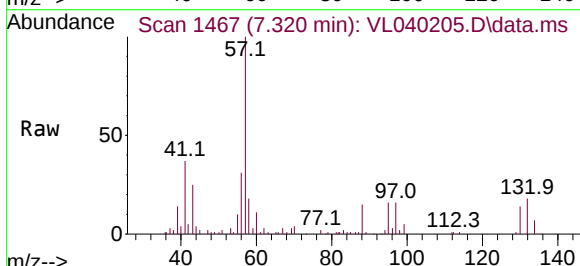
Delta R.T. 0.013 min

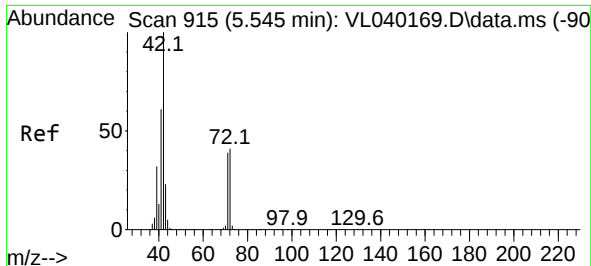
Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 88 Resp: 14645

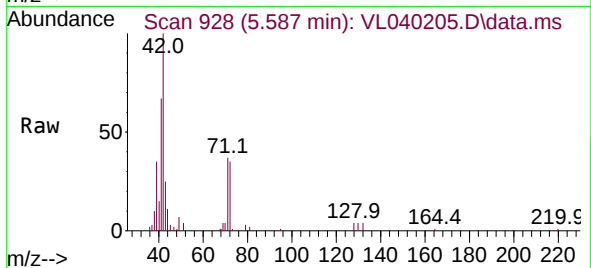
Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.4	146.0#
43	0.0	193.5	290.3#
57	0.0	857.0	1285.6#





#41
Tetrahydrofuran
Concen: 0.496 ppbv m
RT: 5.587 min Scan# 915
Delta R.T. 0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

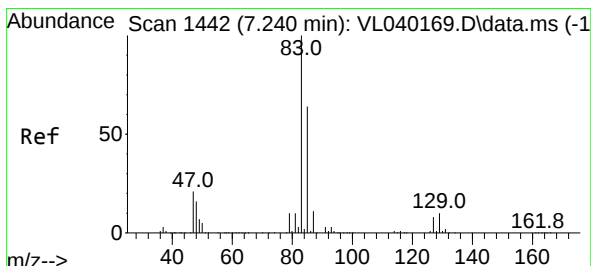
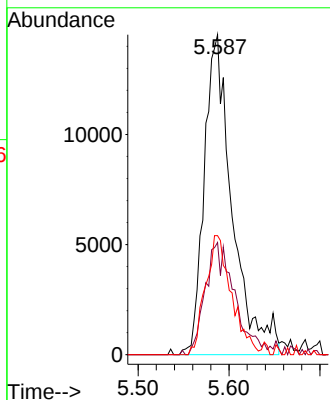
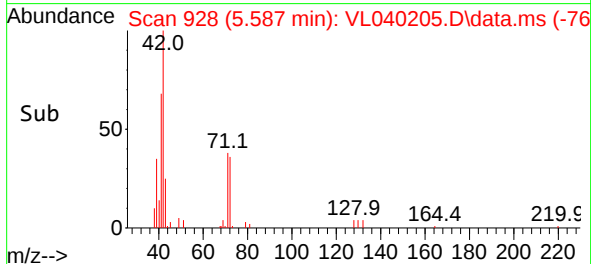
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 42 Resp: 3110
Ion Ratio Lower Upper
42 100
72 38.1 33.0 49.4
71 35.2 31.4 47.2

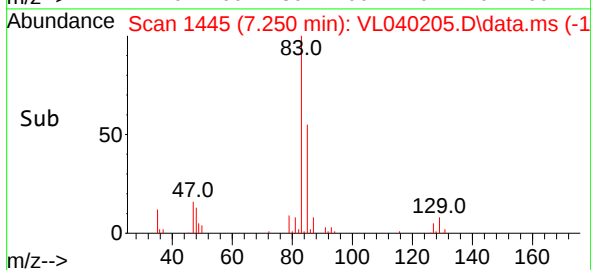
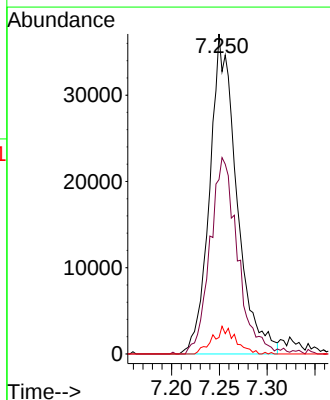
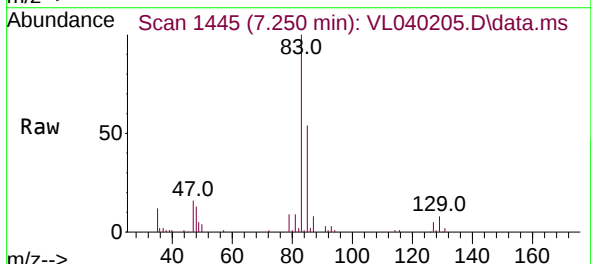
Manual Integrations
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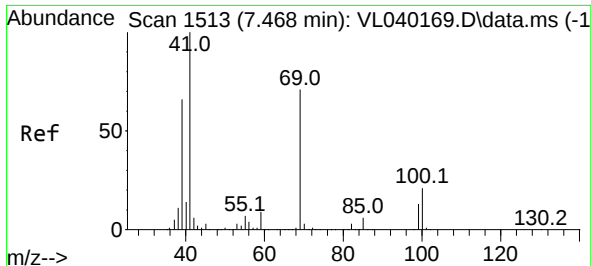
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#42
Bromodichloromethane
Concen: 0.495 ppbv m
RT: 7.250 min Scan# 1445
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

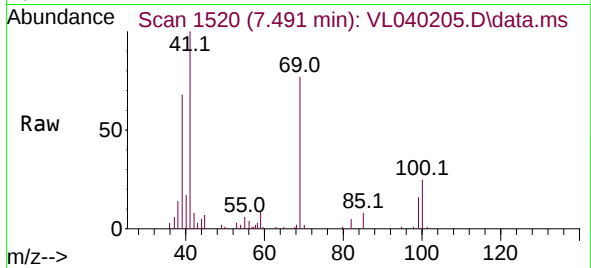
Tgt Ion: 83 Resp: 73063
Ion Ratio Lower Upper
83 100
85 54.5 50.9 76.3
127 5.1 6.2 9.2#





#43
Methyl Methacrylate
Concen: 0.449 ppbv
RT: 7.491 min Scan# 1520
Delta R.T. -0.003 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

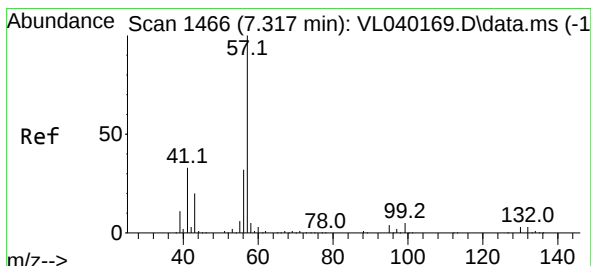
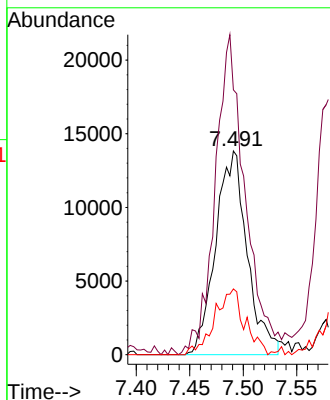
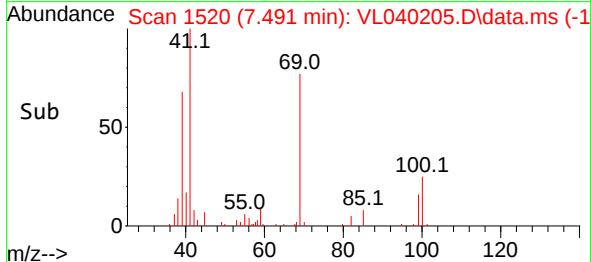
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



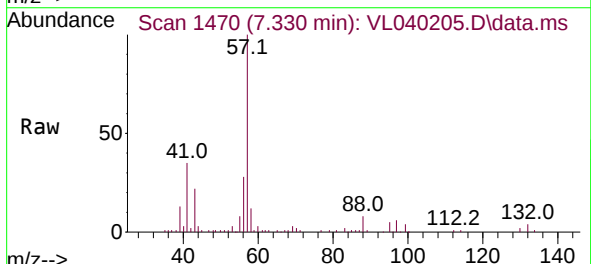
Tgt Ion: 69 Resp: 2840
Ion Ratio Lower Upper
69 100
41 149.3 116.6 174.8
100 31.7 25.6 38.4

Manual Integrations
APPROVED

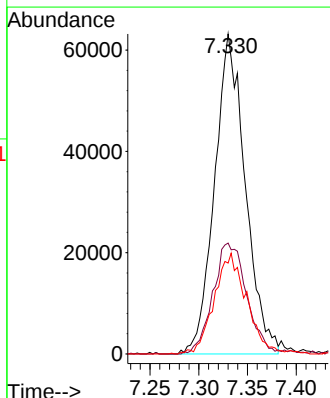
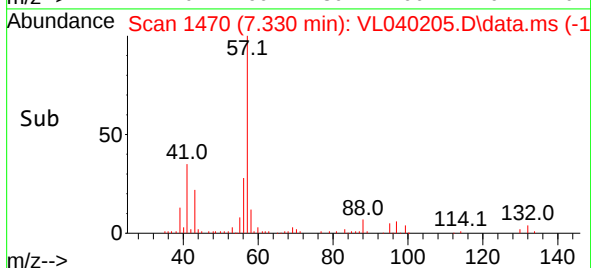
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

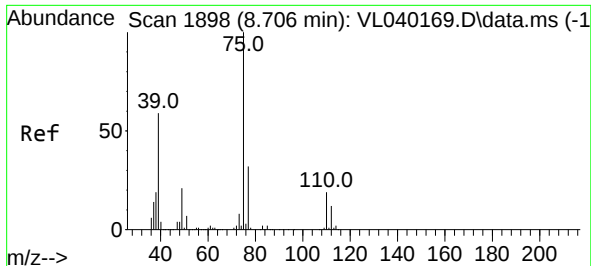


#44
2,2,4-Trimethylpentane
Concen: 0.486 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46



Tgt Ion: 57 Resp: 138487
Ion Ratio Lower Upper
57 100
41 38.6 26.2 39.4
56 33.5 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.353 ppbv m

RT: 8.719 min Scan# 1898

Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

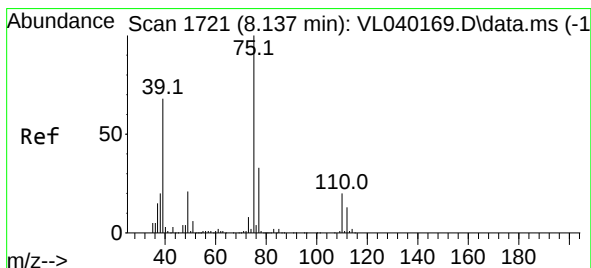
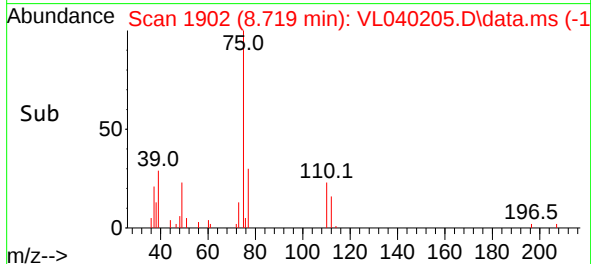
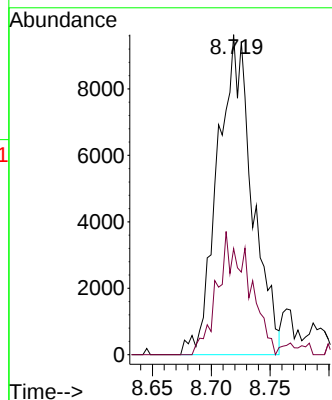
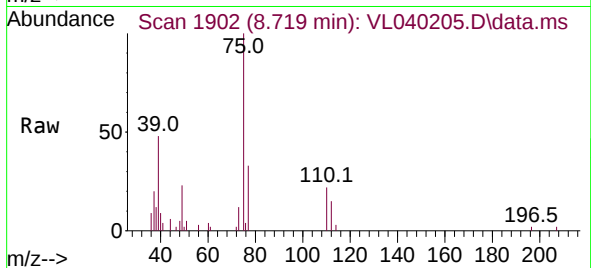
LOQ-AIR-02-QT1-2023

Tgt Ion: 75 Resp: 19790
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.7 38.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#46

cis-1,3-Dichloropropene

Concen: 0.420 ppbv m

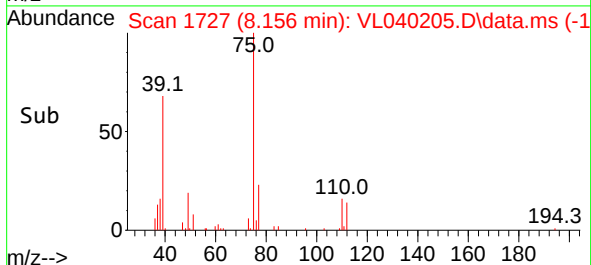
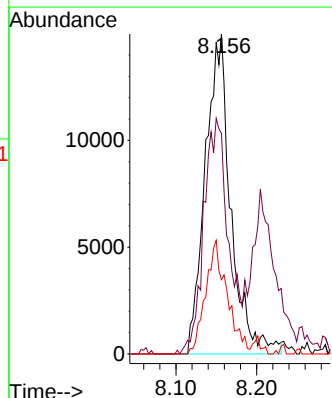
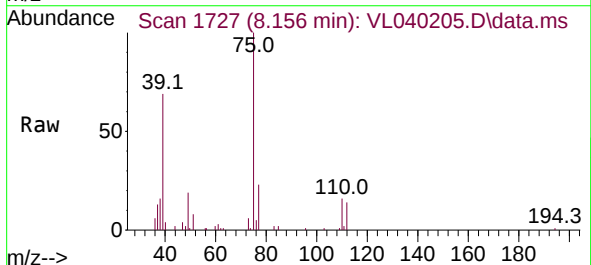
RT: 8.156 min Scan# 1727

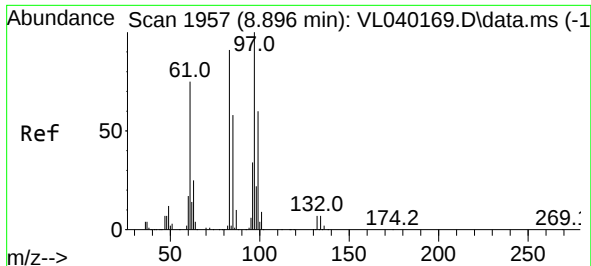
Delta R.T. -0.006 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion: 75 Resp: 32850
 Ion Ratio Lower Upper
 75 100
 39 68.9 54.2 81.2
 77 23.2 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.494 ppbv m

RT: 8.912 min Scan# 1957

Delta R.T. -0.013 min

Lab File: VL040205.D

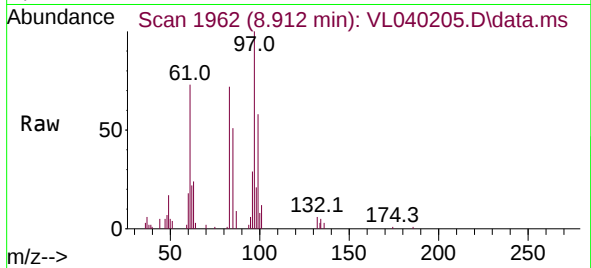
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion: 97 Resp: 3553

Ion Ratio Lower Upper

97 100

83 72.0 72.8 109.2

85 51.3 46.6 69.8

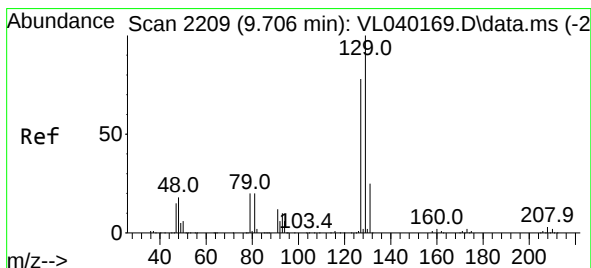
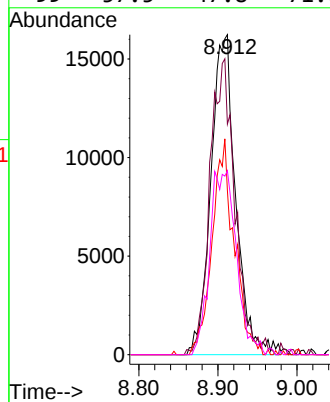
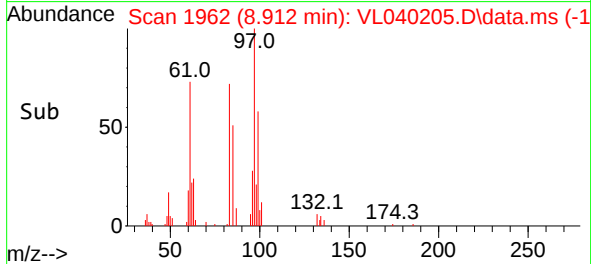
99 57.5 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#48

Dibromochloromethane

Concen: 0.438 ppbv

RT: 9.716 min Scan# 2212

Delta R.T. -0.019 min

Lab File: VL040205.D

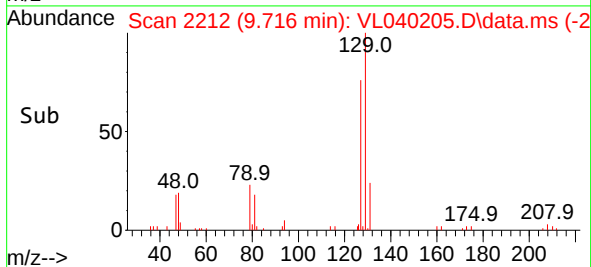
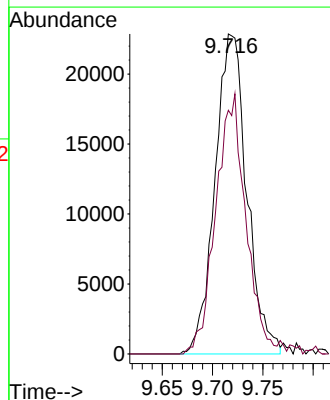
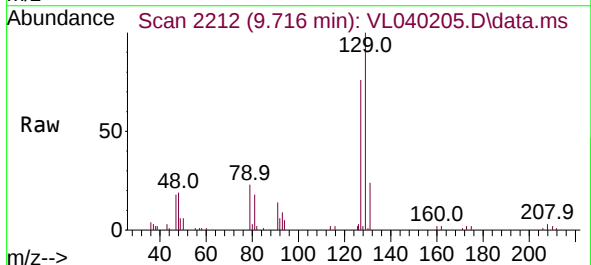
Acq: 21 Feb 2023 21:46

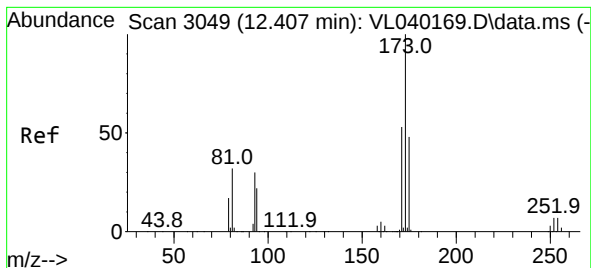
Tgt Ion:129 Resp: 50400

Ion Ratio Lower Upper

129 100

127 78.6 39.1 117.2





#49

Bromoform

Concen: 0.414 ppbv m

RT: 12.417 min Scan# 3049

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

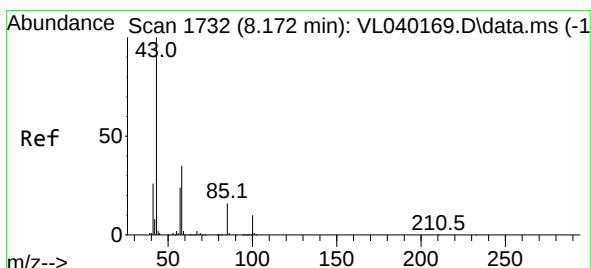
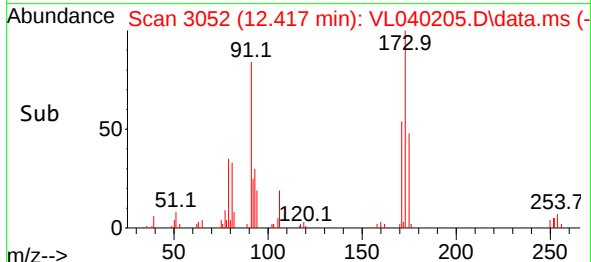
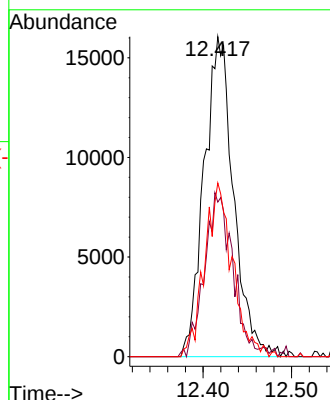
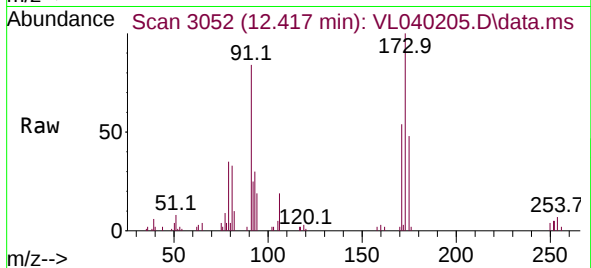
LOQ-AIR-02-QT1-2023

Tgt Ion:	173	Resp:	37140
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.4	59.0
171	0.0	41.8	62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#50

4-Methyl-2-Pentanone

Concen: 0.488 ppbv m

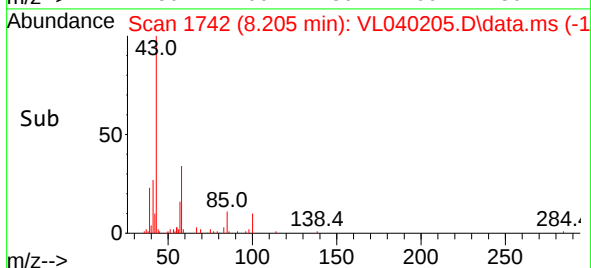
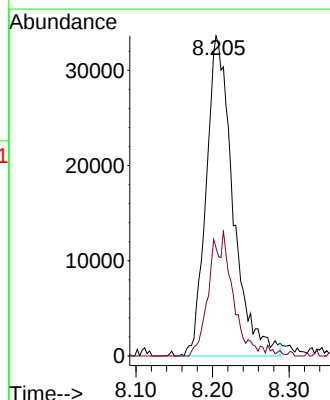
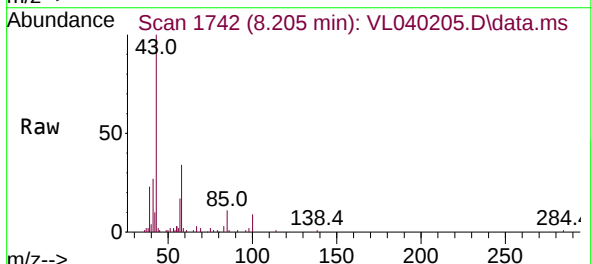
RT: 8.205 min Scan# 1742

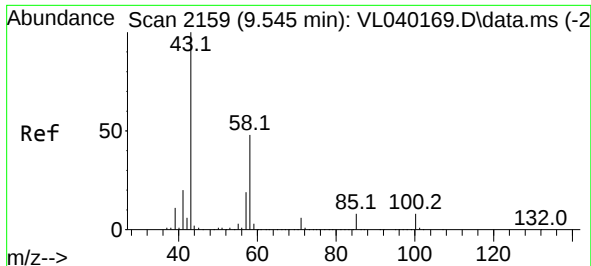
Delta R.T. 0.003 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

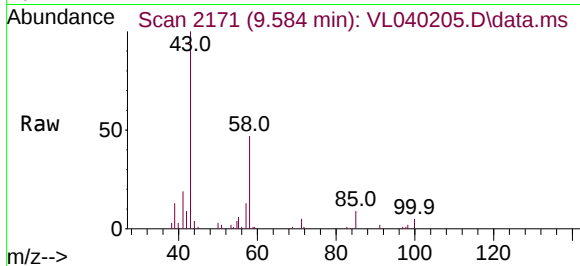
Tgt Ion:	43	Resp:	82012
Ion Ratio	Lower	Upper	
43	100		
58	34.5	29.2	43.8





#51
2-Hexanone
Concen: 0.418 ppbv m
RT: 9.584 min Scan# 2159
Delta R.T. 0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

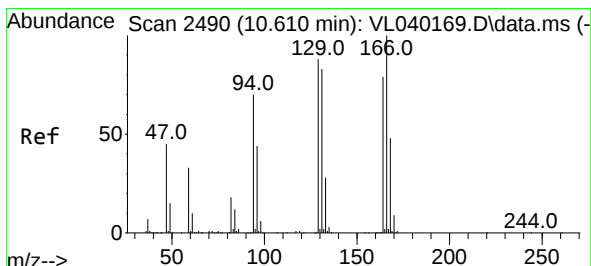
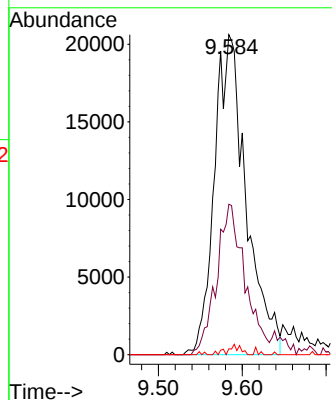
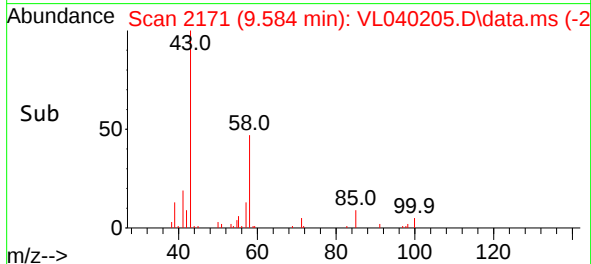
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 43 Resp: 54074
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.2 0.4

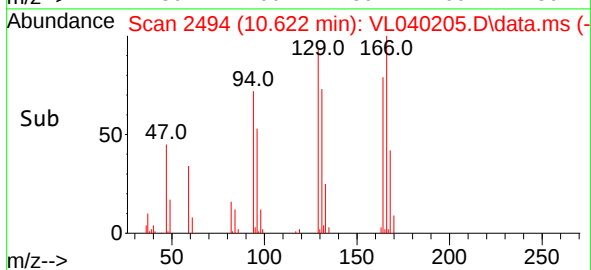
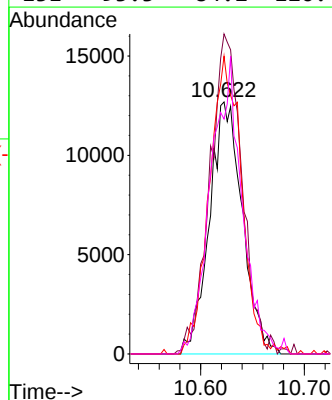
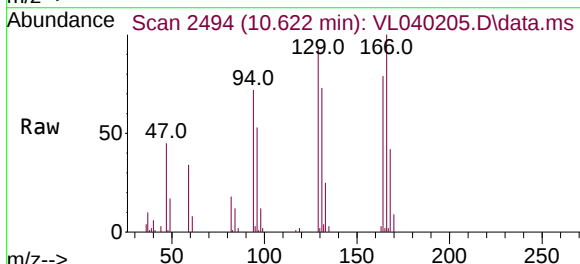
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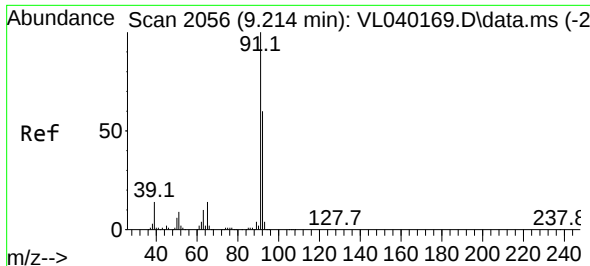
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Tetrachloroethene
Concen: 0.529 ppbv m
RT: 10.622 min Scan# 2494
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

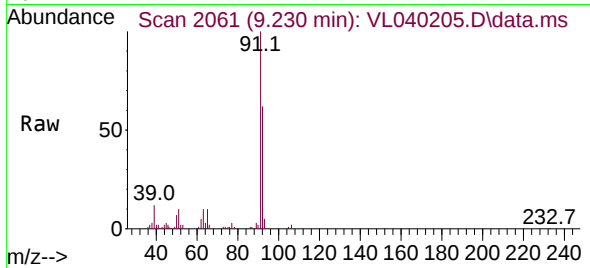
Tgt Ion:164 Resp: 28237
Ion Ratio Lower Upper
164 100
166 127.0 101.5 152.3
129 118.2 89.0 133.4
131 93.3 84.2 126.4





#53
Toluene
Concen: 0.425 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

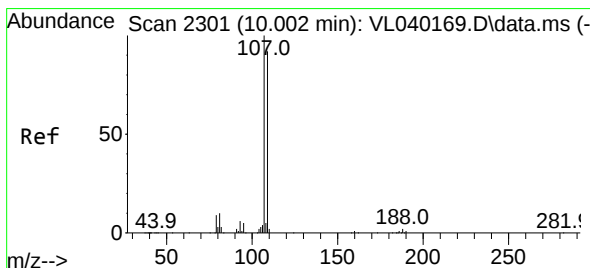
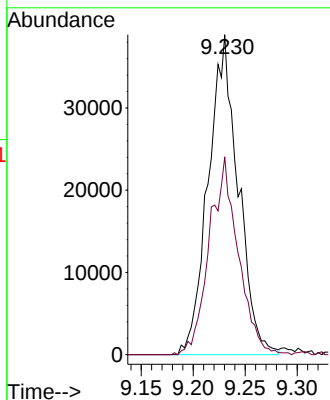
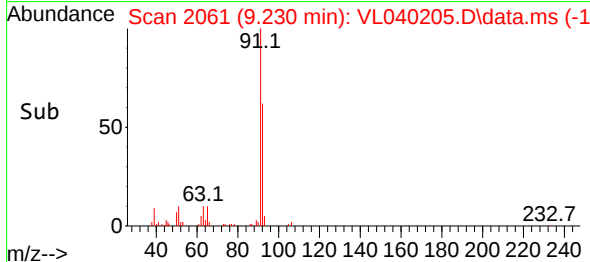
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



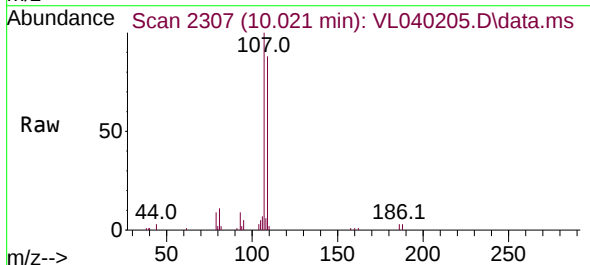
Tgt Ion: 91 Resp: 7778
Ion Ratio Lower Upper
91 100
92 60.4 48.9 73.3

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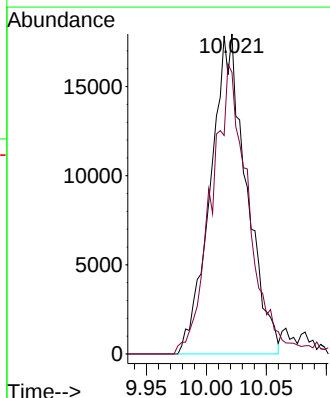
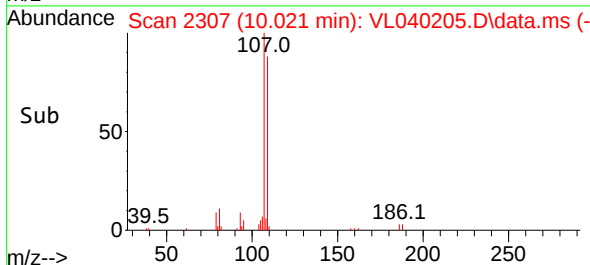
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

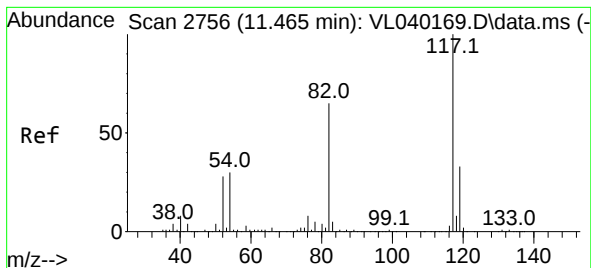


#54
1,2-Dibromoethane
Concen: 0.500 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46



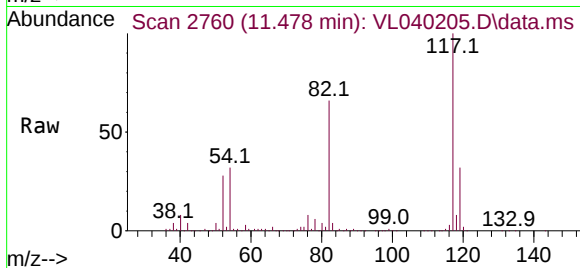
Tgt Ion:107 Resp: 37362
Ion Ratio Lower Upper
107 100
109 85.5 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

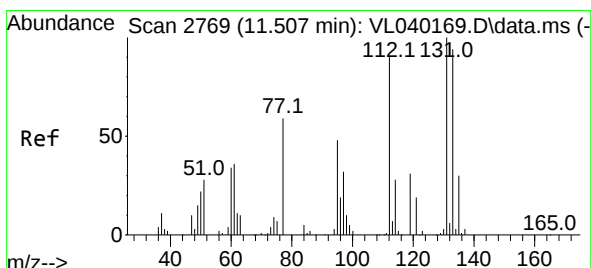
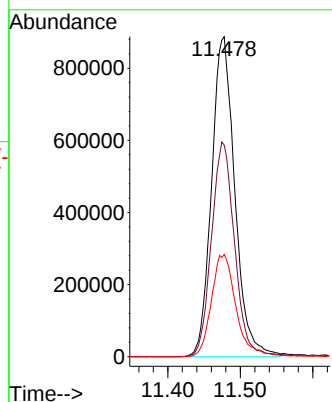
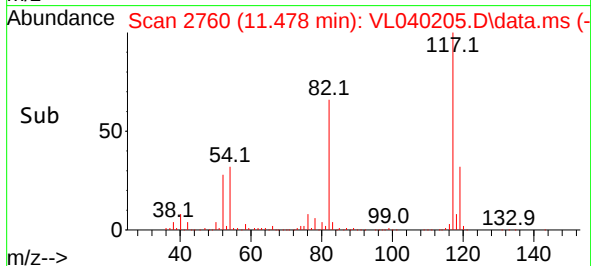
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:117 Resp: 1977634
Ion Ratio Lower Upper
117 100
82 67.1 53.3 79.9
119 34.0 24.6 37.0

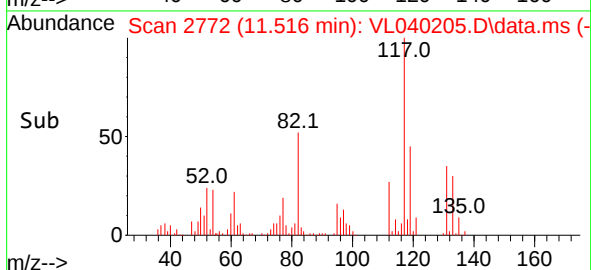
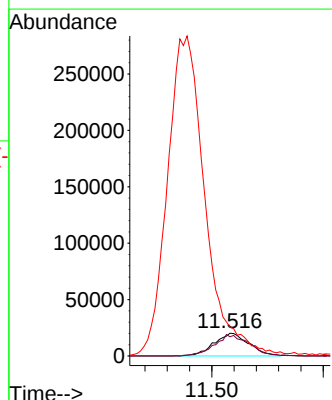
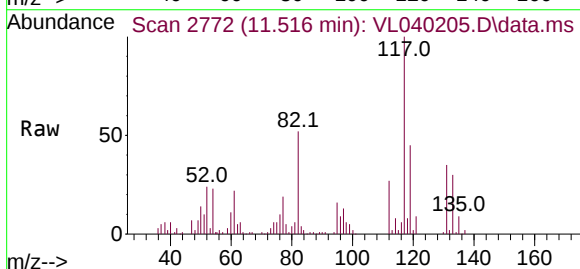
Manual Integrations
APPROVED

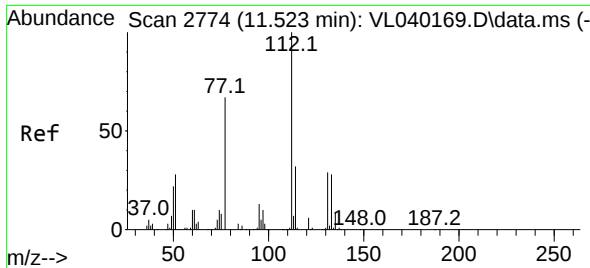
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.524 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.023 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:131 Resp: 43535
Ion Ratio Lower Upper
131 100
133 94.4 76.2 114.2
119 1541.0 45.4 68.0#





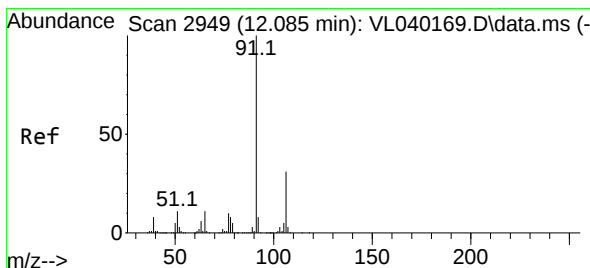
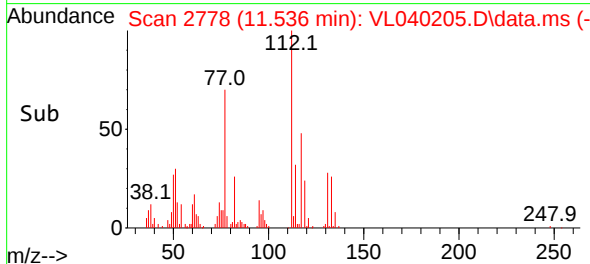
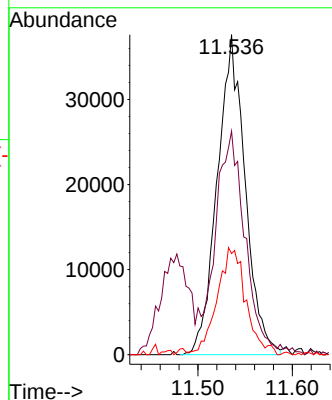
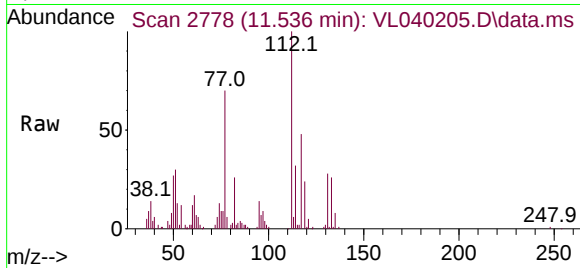
#57
Chlorobenzene
Concen: 0.534 ppbv
RT: 11.536 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion:112 Resp: 77094
Ion Ratio Lower Upper
112 100
77 66.6 55.0 82.4
114 31.6 29.0 35.4

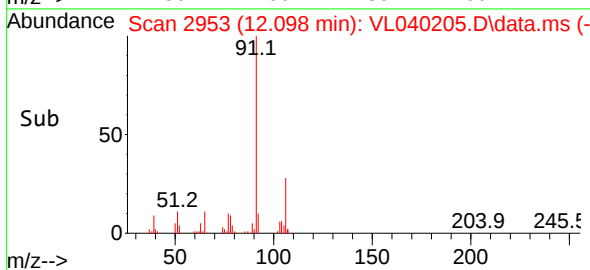
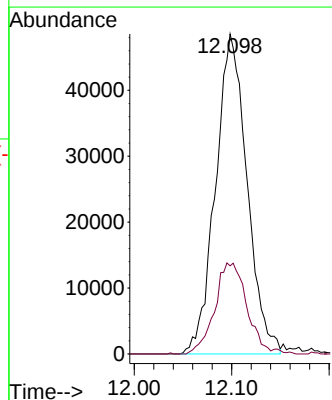
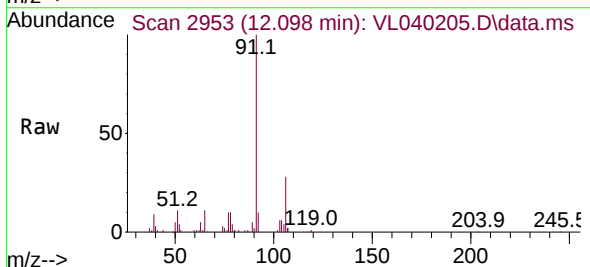
Manual Integrations
APPROVED

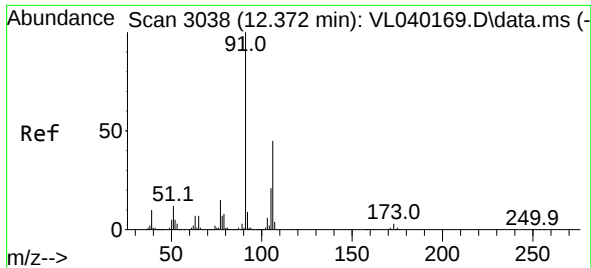
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
Ethyl Benzene
Concen: 0.453 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 91 Resp: 108950
Ion Ratio Lower Upper
91 100
106 27.5 24.9 37.3





#59

m/p-Xylene

Concen: 0.936 ppbv m

RT: 12.378 min Scan# 3040

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 199169

Ion Ratio Lower Upper

91 100

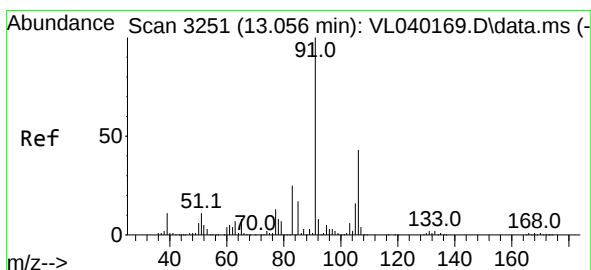
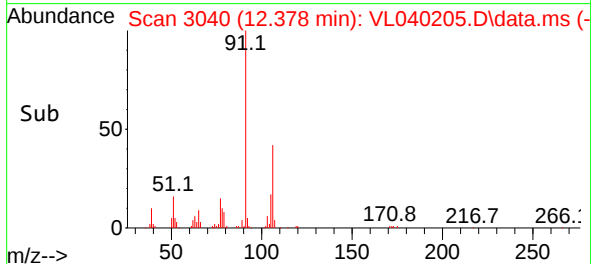
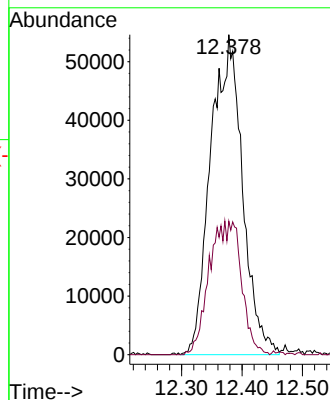
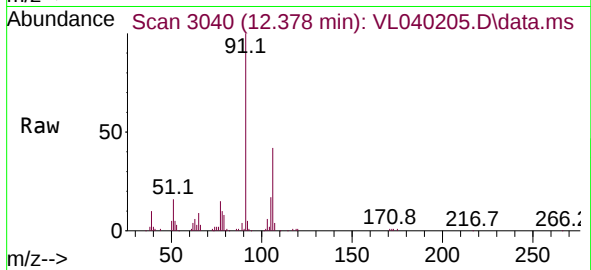
106 42.4 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#60

o-Xylene

Concen: 0.477 ppbv m

RT: 13.076 min Scan# 3257

Delta R.T. -0.010 min

Lab File: VL040205.D

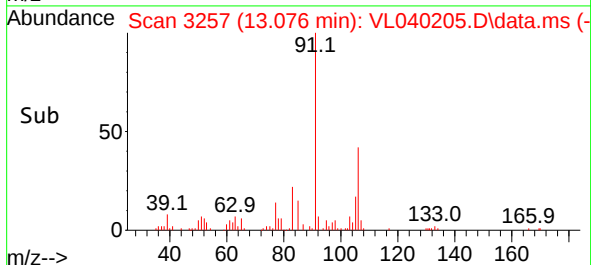
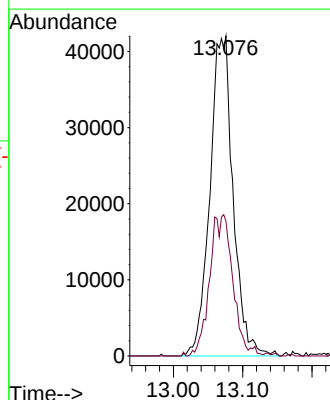
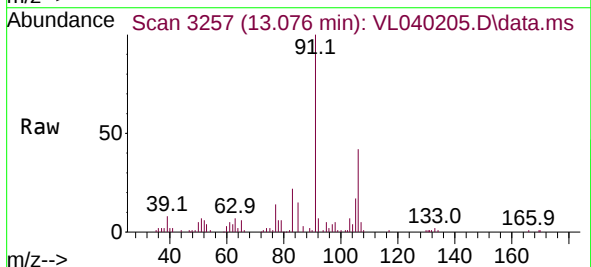
Acq: 21 Feb 2023 21:46

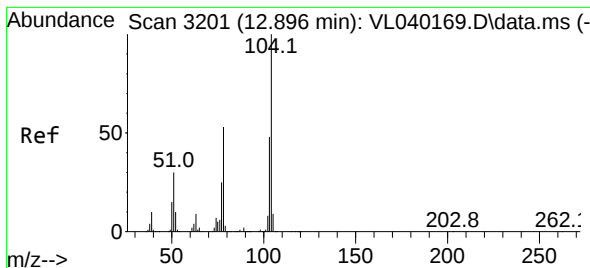
Tgt Ion: 91 Resp: 97741

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0#





#61

Styrene

Concen: 0.369 ppbv m

RT: 12.909 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

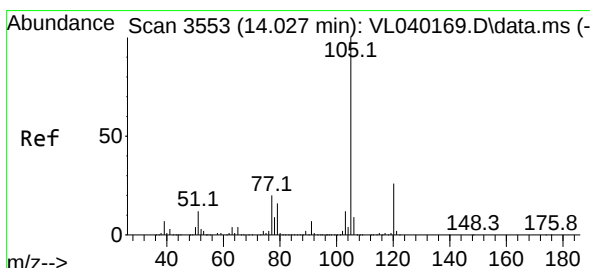
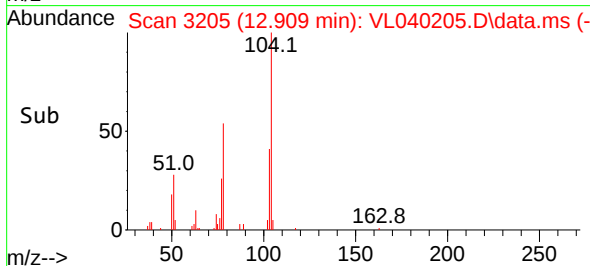
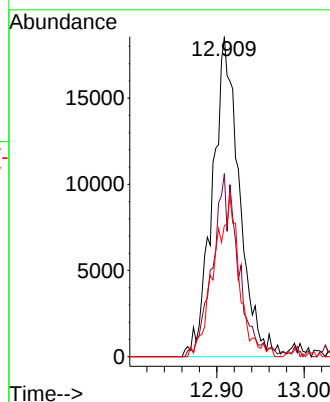
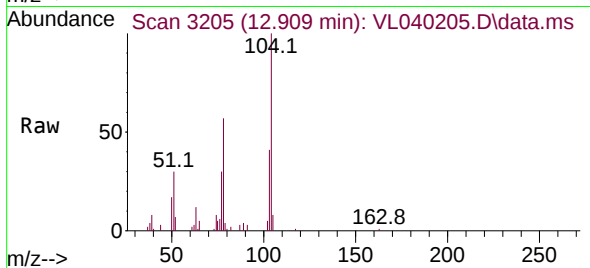
Tgt Ion:104	Resp:	3966
Ion Ratio	Lower	Upper
104	100	
78	55.1	42.3 63.5
103	47.8	37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#62

Isopropylbenzene

Concen: 0.502 ppbv

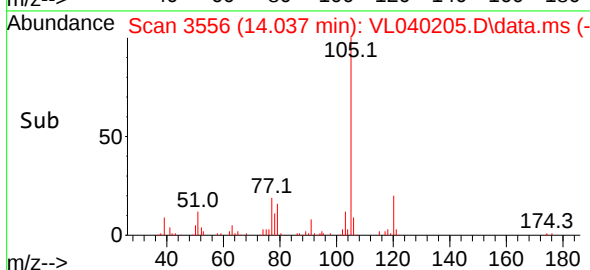
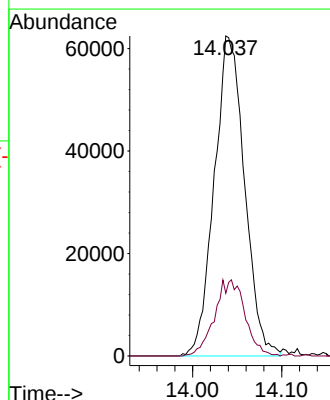
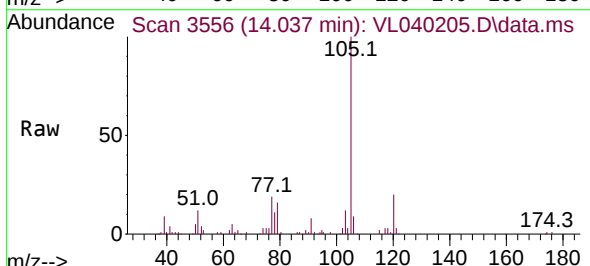
RT: 14.037 min Scan# 3556

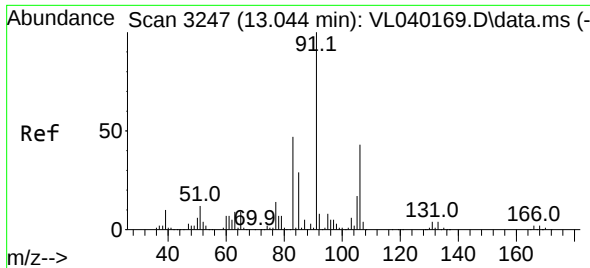
Delta R.T. -0.023 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

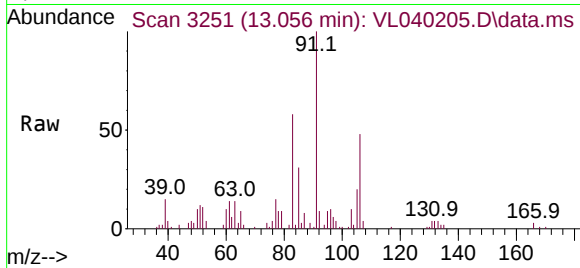
Tgt Ion:105	Resp:	147434
Ion Ratio	Lower	Upper
105	100	
120	24.1	20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.542 ppbv m
RT: 13.056 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

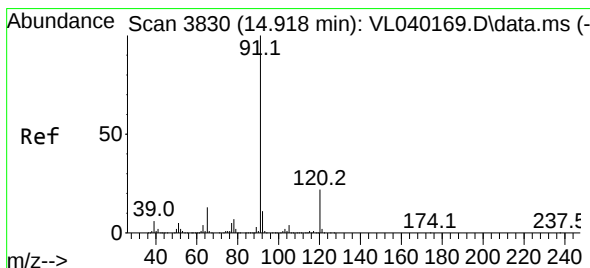
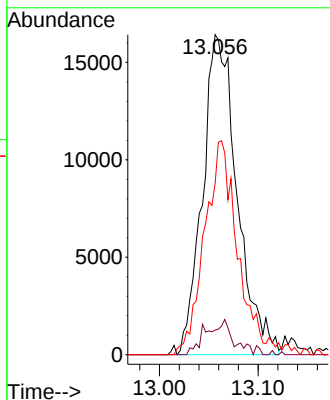
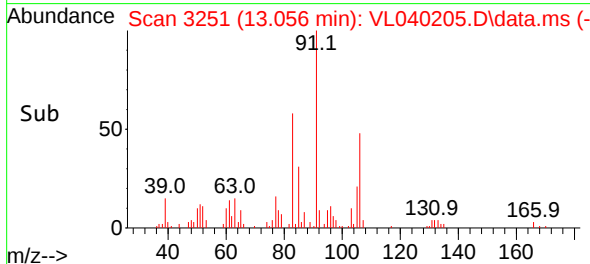
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 83 Resp: 39972
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2
85 0.0 33.0 99.0

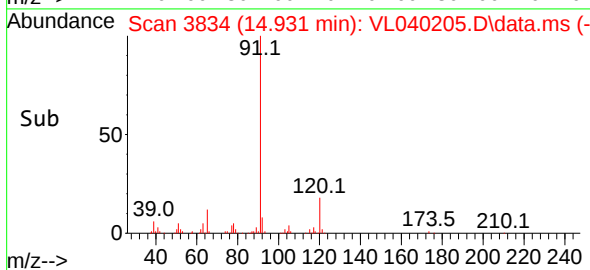
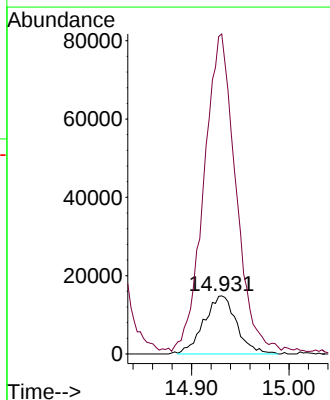
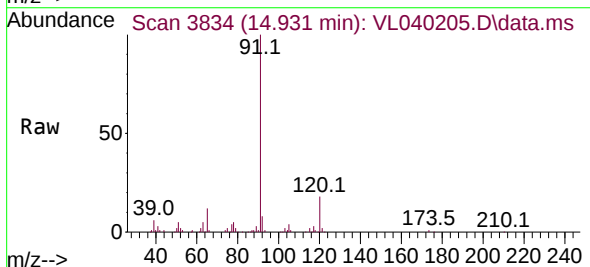
Manual Integrations
APPROVED

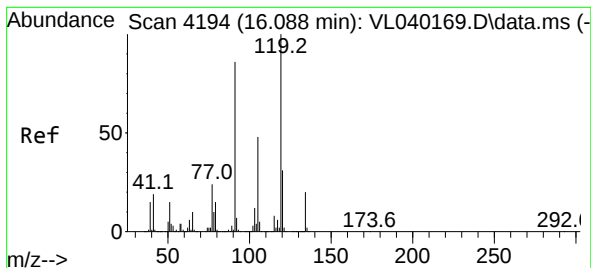
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#64
n-propylbenzene
Concen: 0.473 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

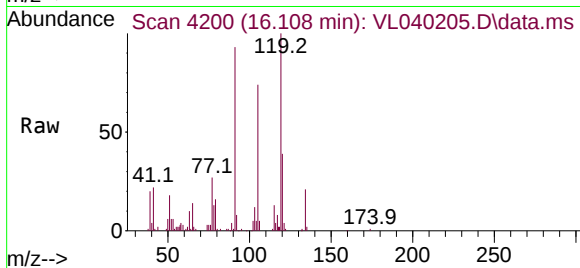
Tgt Ion:120 Resp: 34433
Ion Ratio Lower Upper
120 100
91 549.4 389.8 584.8





#65
tert-Butylbenzene
Concen: 0.463 ppbv
RT: 16.108 min Scan# 4194
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

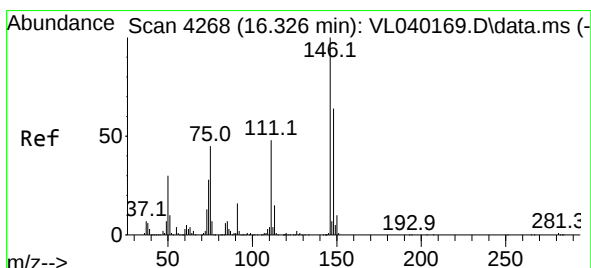
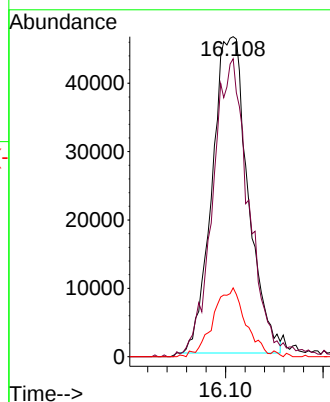
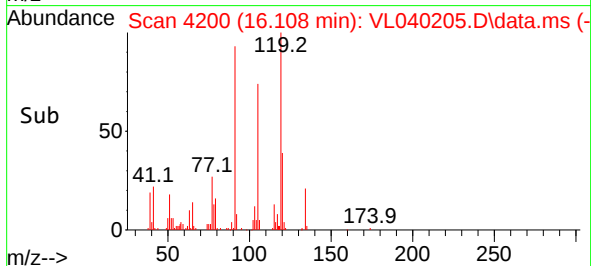
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 119 Resp: 118360
Ion Ratio Lower Upper
119 100
91 95.8 68.6 102.8
134 20.0 15.9 23.9

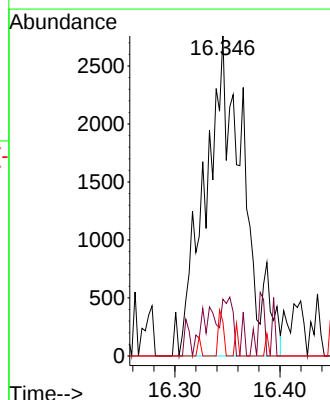
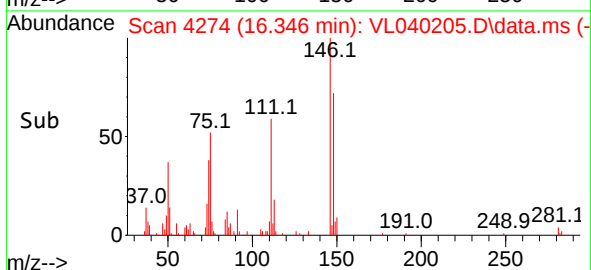
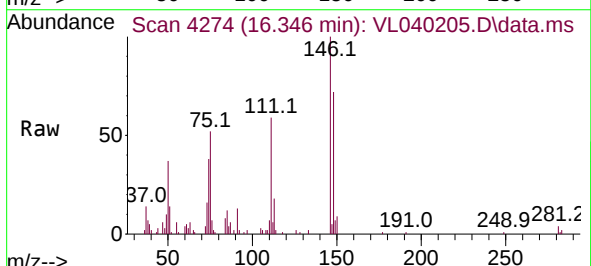
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APPROVED

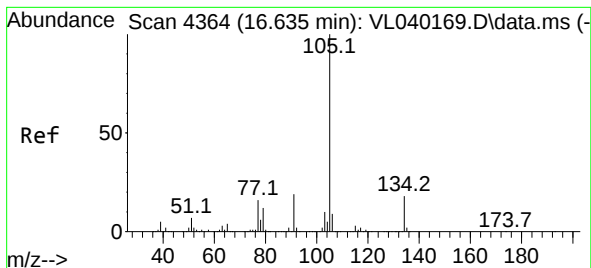
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#66
Benzyl Chloride
Concen: 0.410 ppbv m
RT: 16.346 min Scan# 4274
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

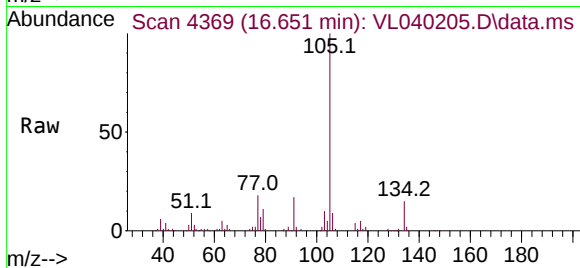
Tgt Ion: 91 Resp: 6973
Ion Ratio Lower Upper
91 100
126 13.8 13.1 19.7
128 2.7 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 0.496 ppbv m
 RT: 16.651 min Scan# 4369
 Delta R.T. -0.016 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

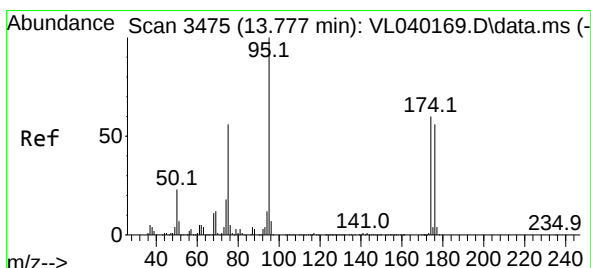
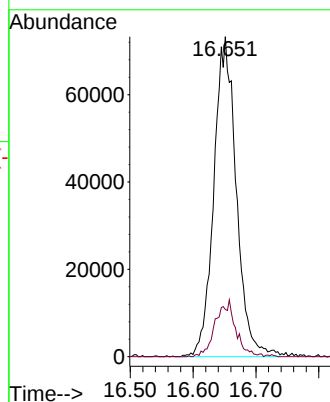
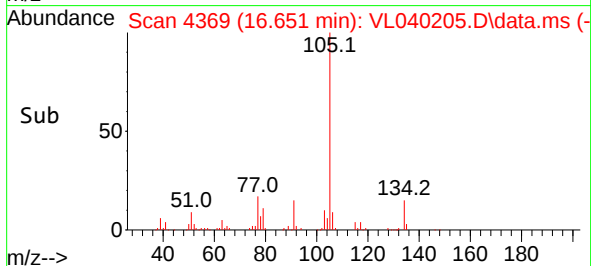
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 105 Resp: 18162
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.1 21.1

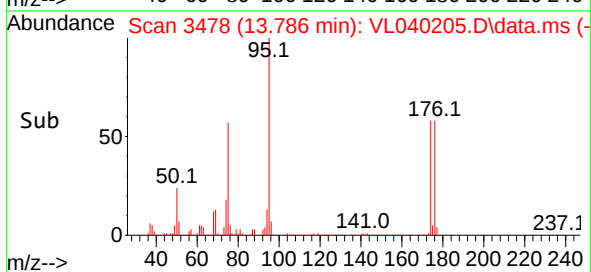
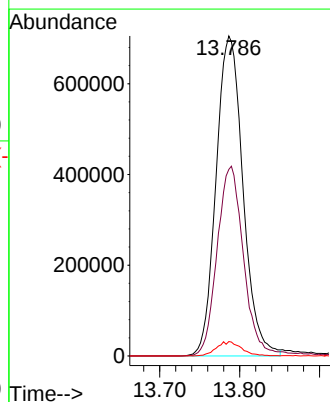
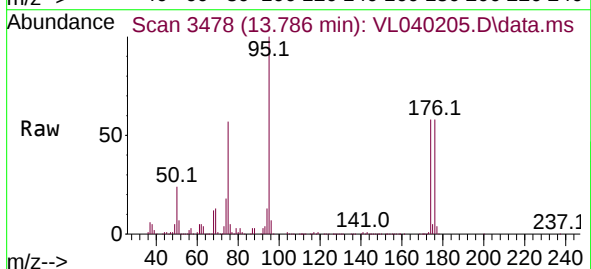
Manual Integrations
 APPROVED

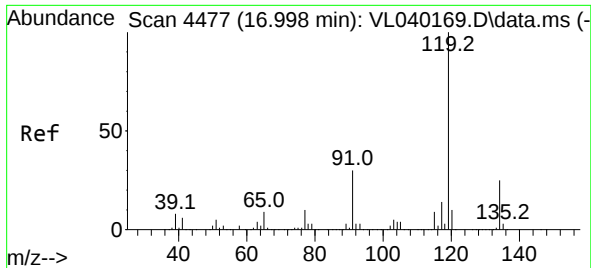
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.135 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.019 min
 Lab File: VL040205.D
 Acq: 21 Feb 2023 21:46

Tgt Ion: 95 Resp: 1648214
 Ion Ratio Lower Upper
 95 100
 174 59.6 48.2 72.2
 175 4.3 3.4 5.2





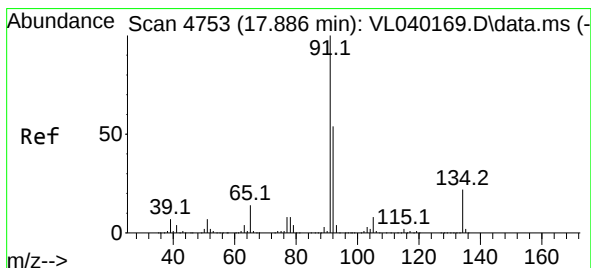
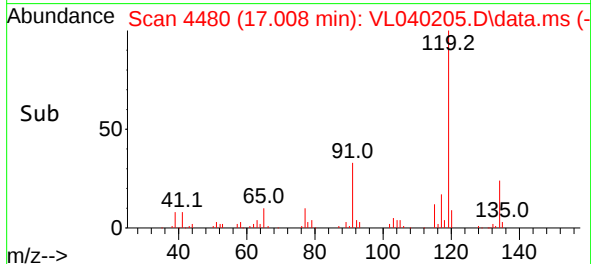
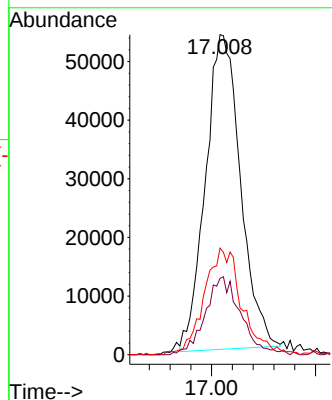
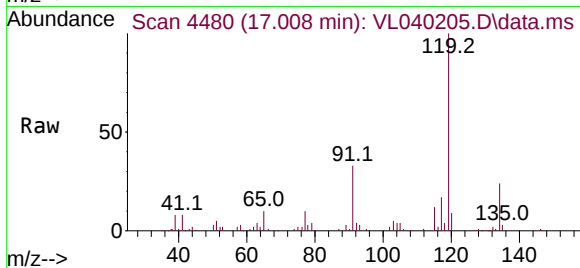
#69
p-Isopropyltoluene
Concen: 0.433 ppbv
RT: 17.008 min Scan# 4477
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion: 119 Resp: 12568
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.2
91 36.6 24.7 37.1

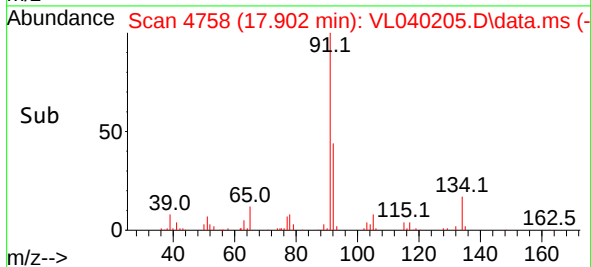
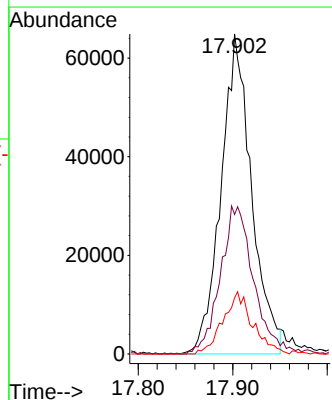
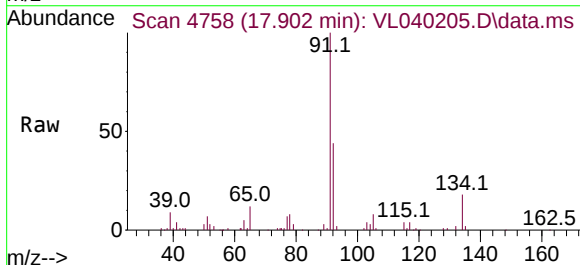
Manual Integrations
APPROVED

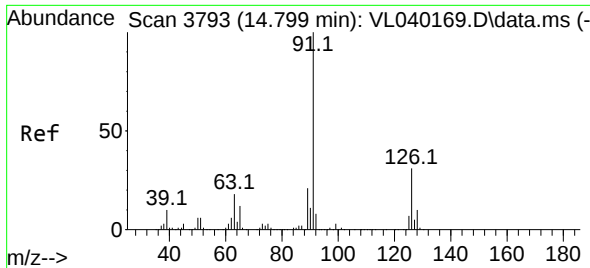
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#70
n-Butylbenzene
Concen: 0.461 ppbv
RT: 17.902 min Scan# 4758
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion: 91 Resp: 145216
Ion Ratio Lower Upper
91 100
92 51.4 43.0 64.6
134 19.2 16.9 25.3





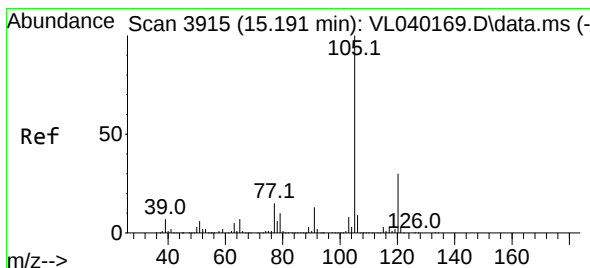
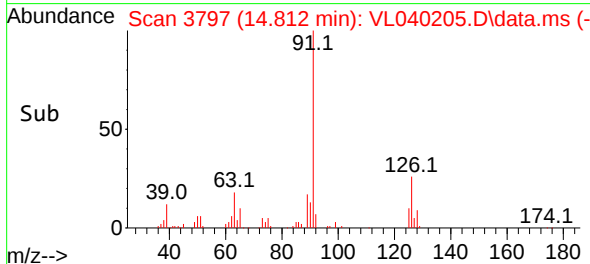
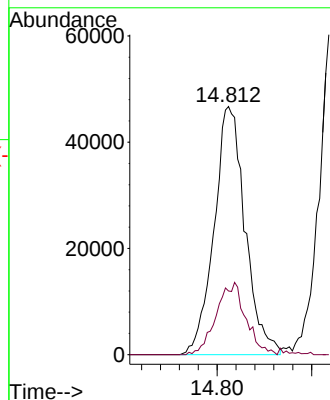
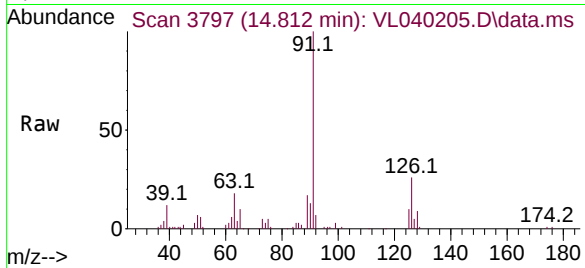
#71
2-Chlorotoluene
Concen: 0.473 ppbv
RT: 14.812 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 106358
Ion Ratio Lower Upper
91 100
126 28.5 12.0 48.2

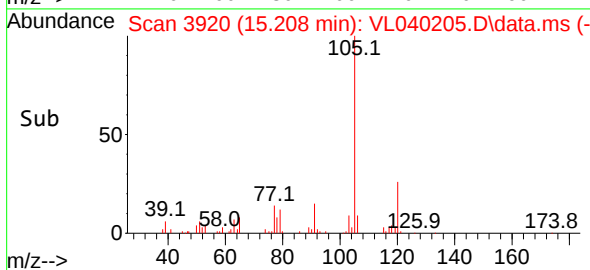
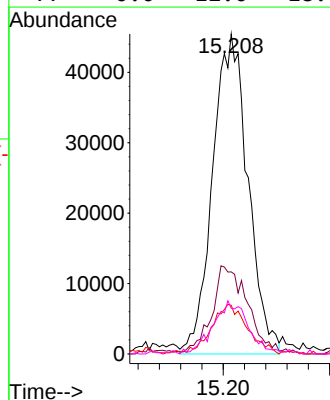
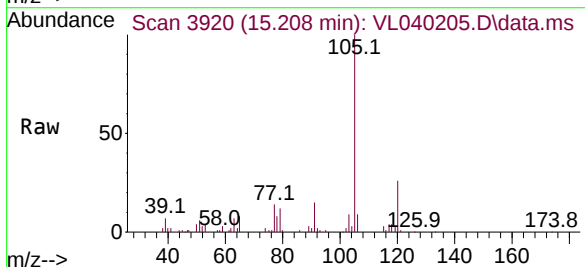
Manual Integrations
APPROVED

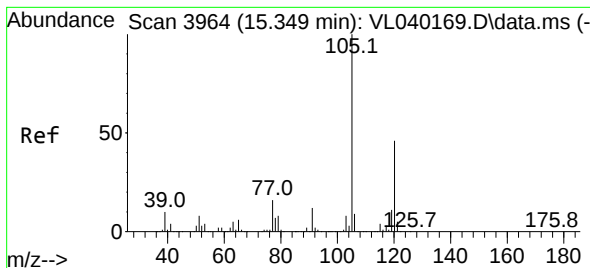
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#72
4-Ethyltoluene
Concen: 0.462 ppbv m
RT: 15.208 min Scan# 3920
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:105 Resp: 104613
Ion Ratio Lower Upper
105 100
120 29.3 23.2 34.8
91 0.0 11.3 16.9#
77 0.0 12.0 18.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.471 ppbv

RT: 15.368 min Scan# 3964

Delta R.T. -0.013 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion:105 Resp: 99220

Ion Ratio Lower Upper

105 100

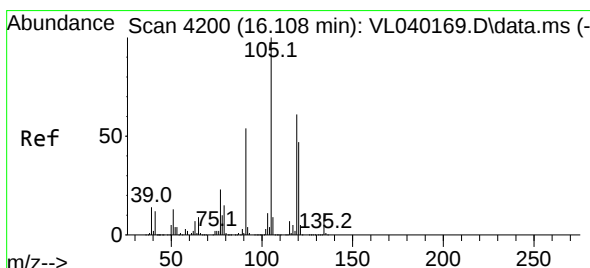
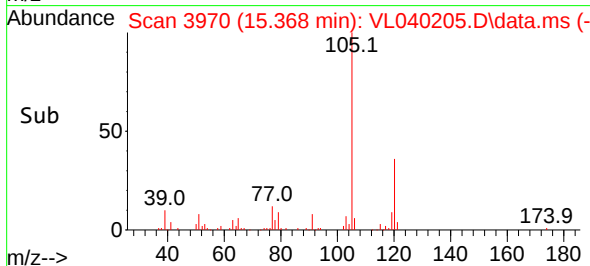
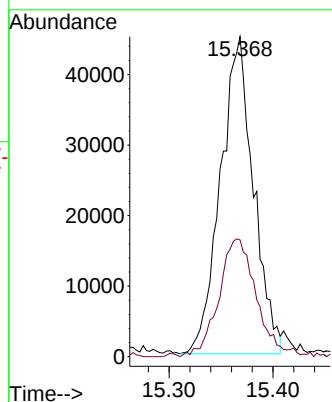
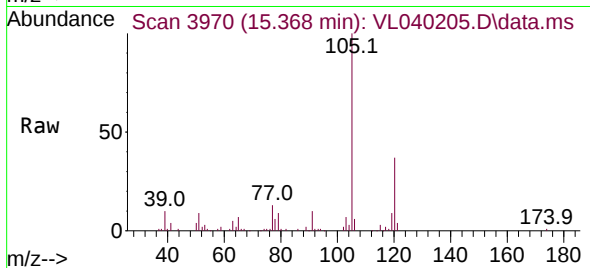
120 36.8 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.482 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.019 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion:105 Resp: 111626

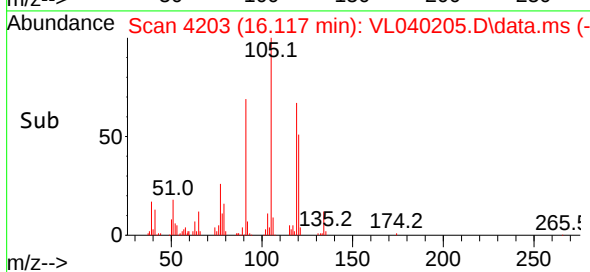
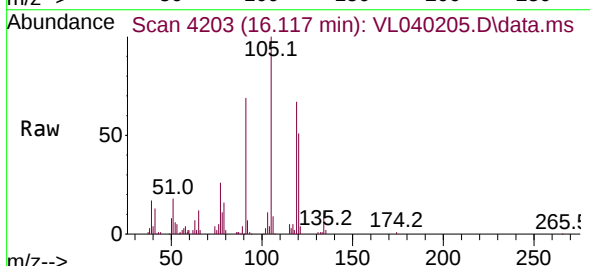
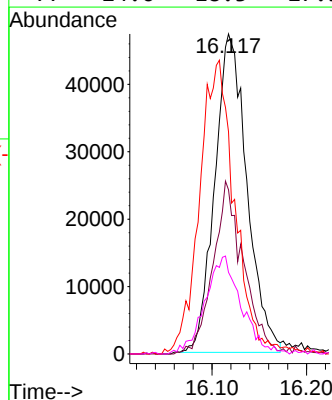
Ion Ratio Lower Upper

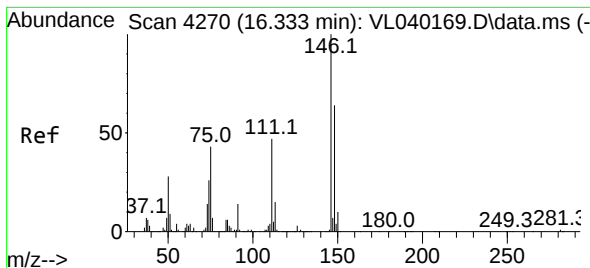
105 100

120 51.0 37.9 56.9

91 68.0 43.7 65.5#

77 24.6 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 0.506 ppbv m

RT: 16.339 min Scan# 4318

Delta R.T. -0.023 min

Lab File: VL040205.D

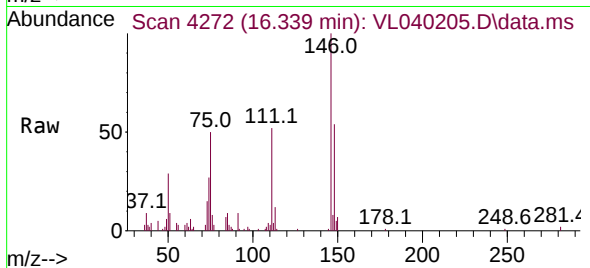
Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:146 Resp: 6404

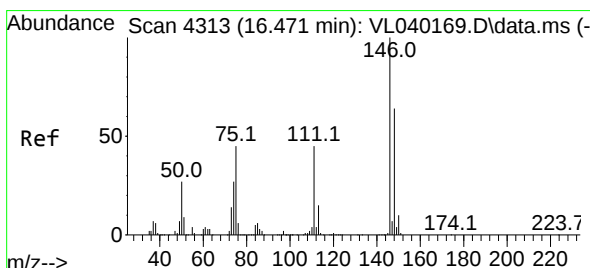
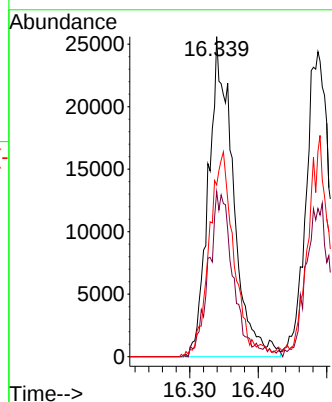
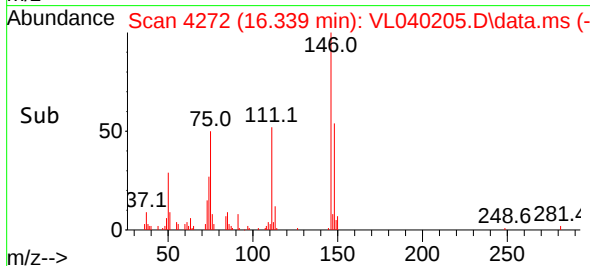
Ion	Ratio	Lower	Upper
146	100		
111	51.4	23.9	71.8
148	0.0	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#76

1,4-Dichlorobenzene

Concen: 0.501 ppbv m

RT: 16.487 min Scan# 4318

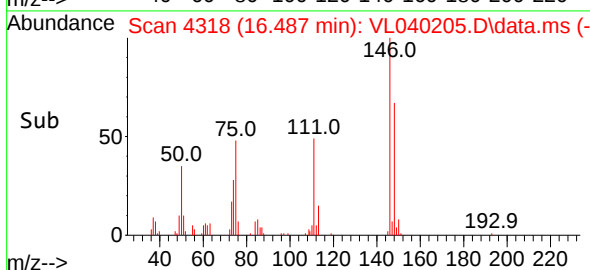
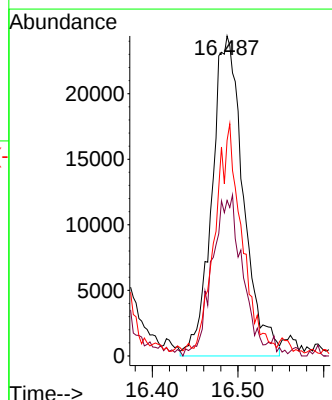
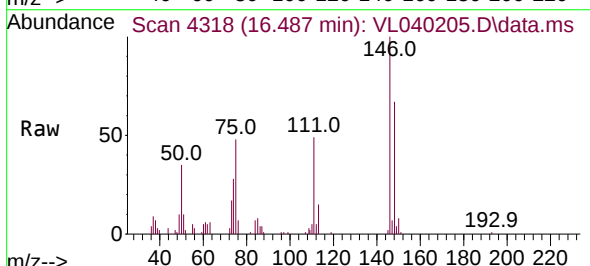
Delta R.T. -0.016 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Tgt Ion:146 Resp: 62126

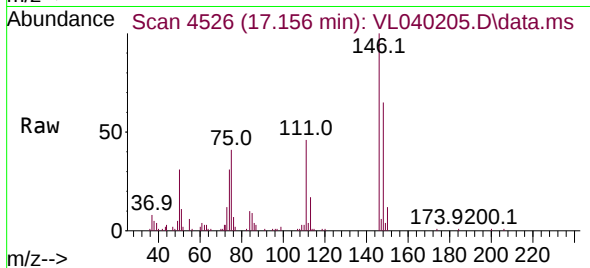
Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	0.0	32.5	97.4#





#77
1,2-Dichlorobenzene
Concen: 0.523 ppbv m
RT: 17.156 min Scan# 4526
Delta R.T. -0.023 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

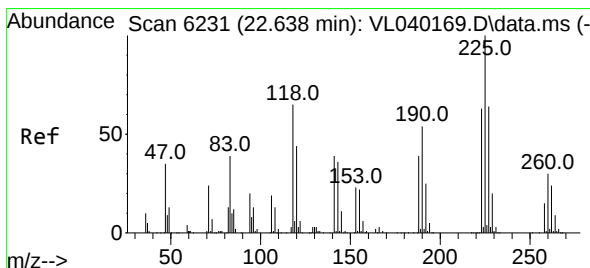
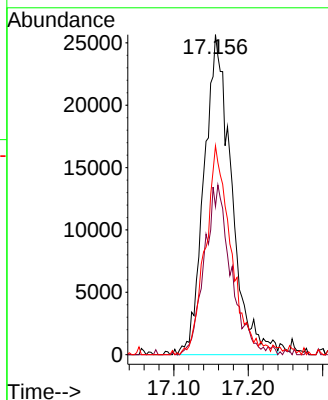
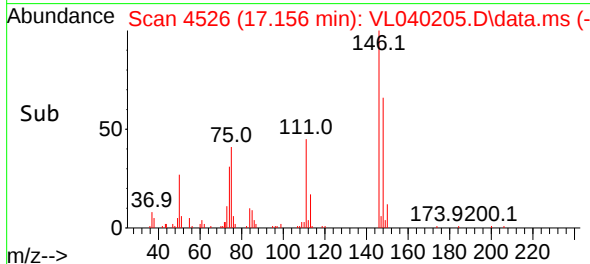
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:146 Resp: 6584
Ion Ratio Lower Upper
146 100
111 52.7 25.3 75.8
148 63.3 32.0 96.2

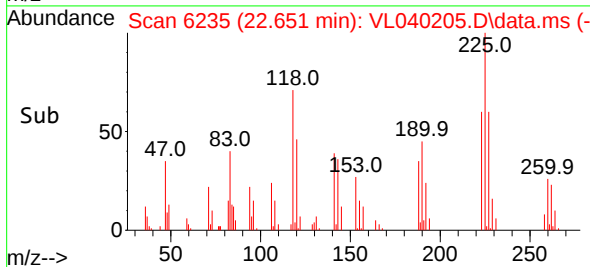
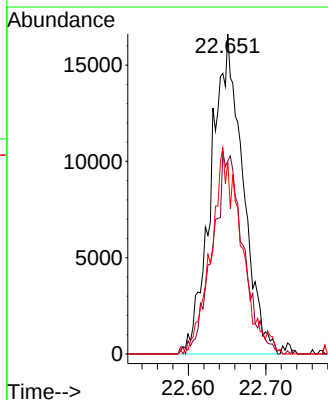
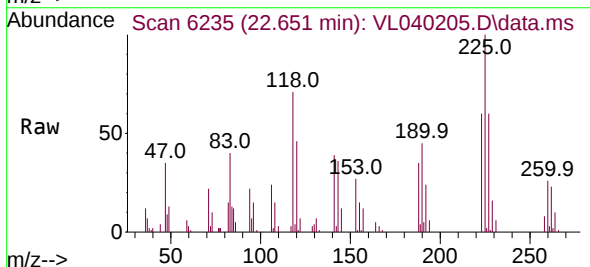
Manual Integrations
APPROVED

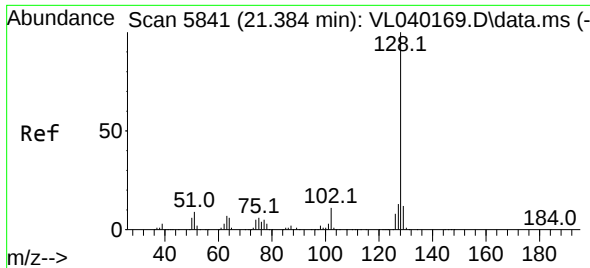
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.545 ppbv m
RT: 22.651 min Scan# 6235
Delta R.T. -0.016 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

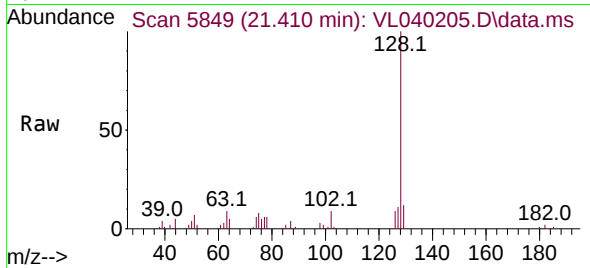
Tgt Ion:225 Resp: 47134
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#





#79
Naphthalene
Concen: 0.387 ppbv m
RT: 21.410 min Scan# 5841
Delta R.T. -0.010 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

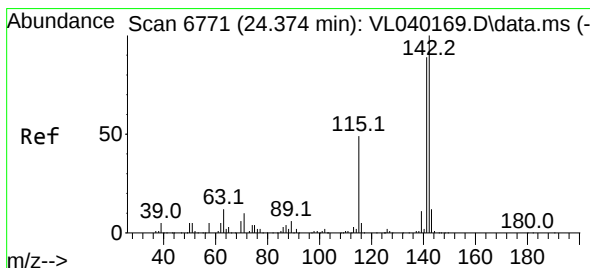
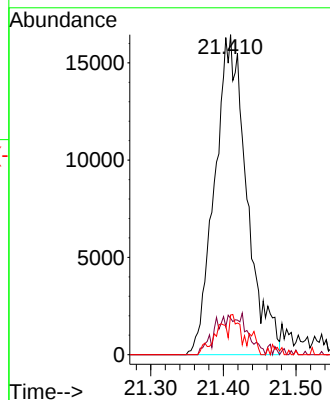
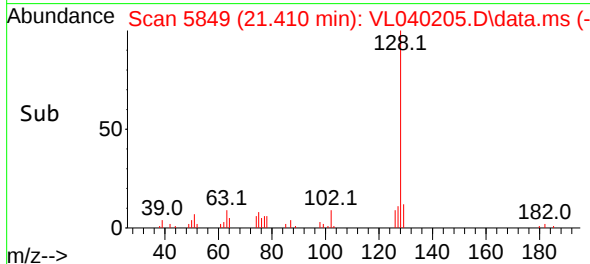
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:128 Resp: 5036
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.4
129 12.4 9.4 14.0

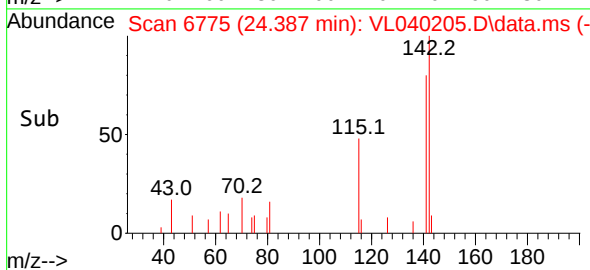
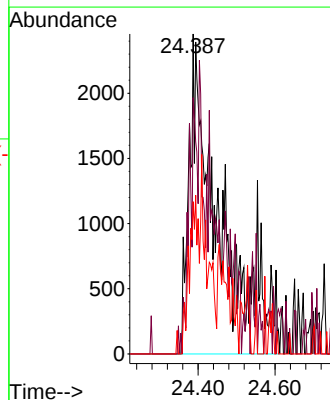
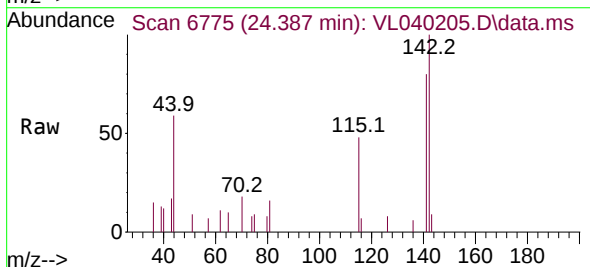
Manual Integrations
APPROVED

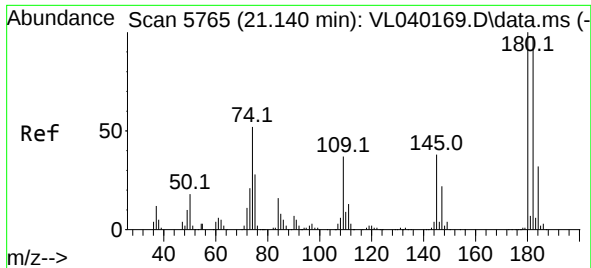
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#80
Naphthalene,2-methyl-
Concen: 0.357 ppbv m
RT: 24.387 min Scan# 6775
Delta R.T. -0.013 min
Lab File: VL040205.D
Acq: 21 Feb 2023 21:46

Tgt Ion:142 Resp: 13211
Ion Ratio Lower Upper
142 100
141 3.6 67.3 100.9#
115 2.1 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.451 ppbv m

RT: 21.165 min Scan# 5773

Delta R.T. -0.010 min

Lab File: VL040205.D

Acq: 21 Feb 2023 21:46

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion:180 Resp: 3665

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6

184 30.7 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023

