

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040206.D
 Acq On : 21 Feb 2023 22:23
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 22 05:08:25 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	833329	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2150406	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.474	117	1903032	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1572695	10.050	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.722	85	17982	0.116	ppbv	96
3) Chlorodifluoromethane	2.671	51	10834	0.109	ppbv	96
4) Chloromethane	2.809	50	7464	0.119	ppbv #	67
5) Vinyl Chloride	2.915	62	5245	0.104	ppbv #	83
6) Bromomethane	3.115	94	2034m	0.112	ppbv	
7) Chloroethane	3.201	64	2842m	0.143	ppbv	
8) Dichlorotetrafluoroethane	2.854	85	14466	0.108	ppbv	95
9) Propene	2.693	41	6607	0.163	ppbv	96
10) Heptane	7.590	43	7000m	0.072	ppbv	
11) Trichlorofluoromethane	3.558	101	15430	0.111	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.066	101	11698m	0.114	ppbv	
13) Ethanol	3.256	45	770	0.206	ppbv #	31
14) Bromoethene	3.362	108	3892	0.099	ppbv #	91
15) Acetone	3.491	43	16622	0.166	ppbv #	82
16) 1,3-Butadiene	2.980	39	6119m	0.134	ppbv	
17) tert-Butyl alcohol	3.909	59	9643m	0.105	ppbv	
18) 1,1-Dichloroethene	3.883	96	4637m	0.104	ppbv	
19) Isopropyl Alcohol	3.597	45	5569m	0.117	ppbv	
20) Methylene Chloride	3.934	84	13713	0.263	ppbv #	94
21) Allyl Chloride	3.996	41	6476	0.105	ppbv	93
22) trans-1,2-Dichloroethene	4.449	96	5256m	0.114	ppbv	
23) Vinyl Acetate	4.648	43	4117m	0.135	ppbv	
24) 1,1-Dichloroethane	4.568	63	9128	0.096	ppbv #	96
25) Ethyl Acetate	5.221	43	17482	0.094	ppbv #	95
26) Hexane	5.211	57	8507m	0.106	ppbv	
27) Carbon Disulfide	4.121	76	8841	0.087	ppbv #	90
28) Methyl tert-Butyl Ether	4.603	73	8257m	0.096	ppbv	
29) Chloroform	5.272	83	13924	0.101	ppbv	98
30) Cyclohexane	6.603	84	6604m	0.105	ppbv	
31) cis-1,2-Dichloroethene	5.082	61	7837	0.103	ppbv #	82
32) 1,1,1-Trichloroethane	6.005	97	12378m	0.096	ppbv	
34) 2-Butanone	4.812	43	13486m	0.127	ppbv	
35) Carbon Tetrachloride	6.503	117	12343m	0.097	ppbv	
36) Benzene	6.372	78	13221	0.079	ppbv #	92
37) 1,2-Dichloroethane	5.803	62	12032m	0.115	ppbv	
38) Trichloroethene	7.294	130	7984	0.087	ppbv #	88
39) 1,2-Dichloropropane	7.085	63	6601m	0.101	ppbv	
40) 1,4-Dioxane	7.359	88	3277m	0.126	ppbv	
41) Tetrahydrofuran	5.603	42	5050m	0.082	ppbv	
42) Bromodichloromethane	7.253	83	12394m	0.086	ppbv	
43) Methyl Methacrylate	7.491	69	4234m	0.068	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	20055	0.072	ppbv #	87
45) t-1,3-Dichloropropene	8.728	75	3228m	0.059	ppbv	

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 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 22 05:08:25 2023

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

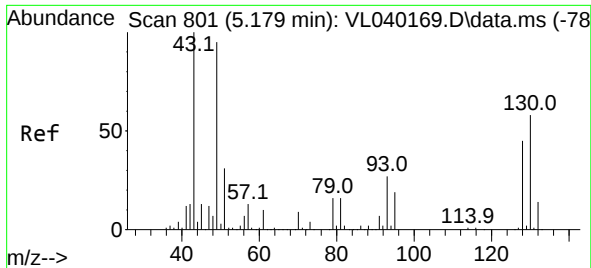
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

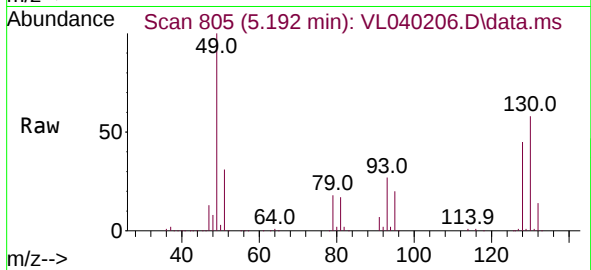
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.146	75	5665m	0.074	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	6858m	0.097	ppbv	
48) Dibromochloromethane	9.722	129	7870m	0.070	ppbv	
49) Bromoform	12.413	173	5761m	0.066	ppbv	
50) 4-Methyl-2-Pentanone	8.220	43	12002m	0.073	ppbv	
51) 2-Hexanone	9.603	43	8300m	0.066	ppbv	
52) Tetrachloroethene	10.619	164	5182m	0.099	ppbv	
53) Toluene	9.230	91	12254m	0.068	ppbv	
54) 1,2-Dibromoethane	10.018	107	6662m	0.091	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	6806m	0.085	ppbv	
57) Chlorobenzene	11.542	112	13446m	0.097	ppbv	
58) Ethyl Benzene	12.092	91	14500m	0.063	ppbv	
59) m/p-Xylene	12.391	91	23787m	0.116	ppbv	
60) o-Xylene	13.063	91	11720m	0.059	ppbv	
61) Styrene	12.905	104	4930m	0.048	ppbv	
62) Isopropylbenzene	14.037	105	20899m	0.074	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.066	83	6613m	0.093	ppbv	
64) n-propylbenzene	14.928	120	4842m	0.069	ppbv	
65) tert-Butylbenzene	16.108	119	14535m	0.059	ppbv	
67) sec-Butylbenzene	16.648	105	22015m	0.062	ppbv	
69) p-Isopropyltoluene	17.008	119	14547m	0.052	ppbv	
70) n-Butylbenzene	17.911	91	17107m	0.056	ppbv	
71) 2-Chlorotoluene	14.815	91	13820m	0.064	ppbv	
72) 4-Ethyltoluene	15.207	105	12316m	0.057	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	11322m	0.056	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	12962m	0.058	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	10254m	0.084	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	10583m	0.089	ppbv	
77) 1,2-Dichlorobenzene	17.165	146	9757m	0.081	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	8047m	0.097	ppbv	
79) Naphthalene	21.403	128	5018m	0.040	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	4300m	0.055	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

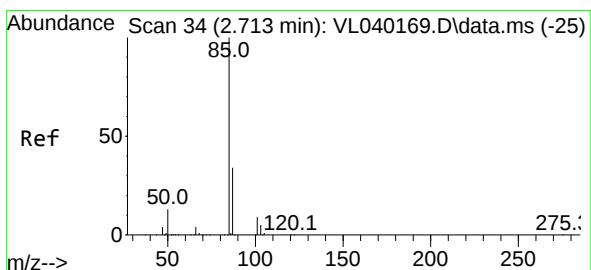
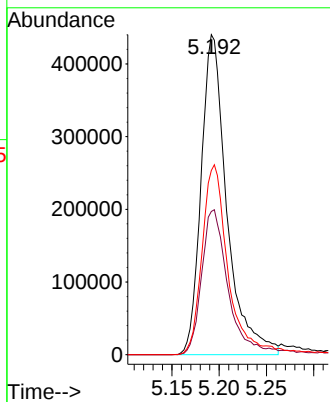
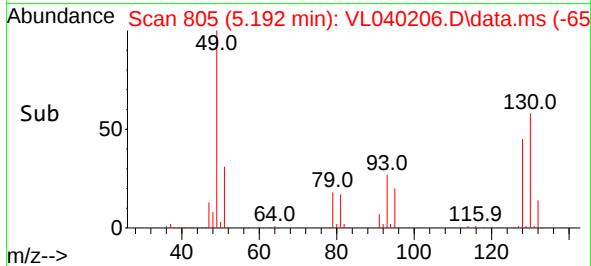
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 49 Resp: 833329
Ion Ratio Lower Upper
49 100
128 48.5 24.1 72.3
130 61.8 30.9 92.8

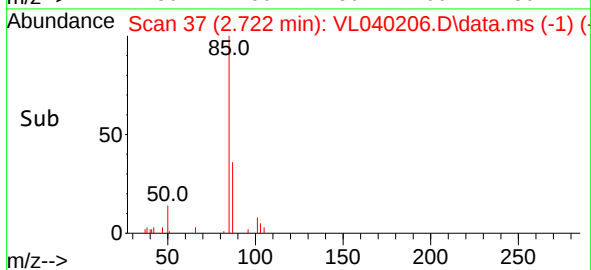
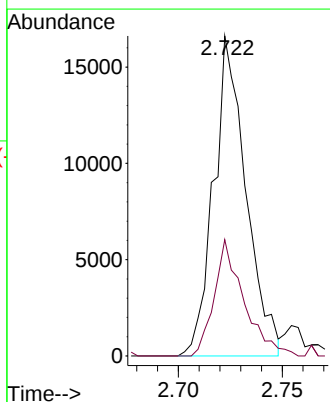
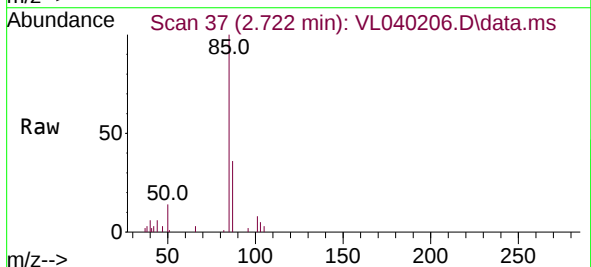
Manual Integrations
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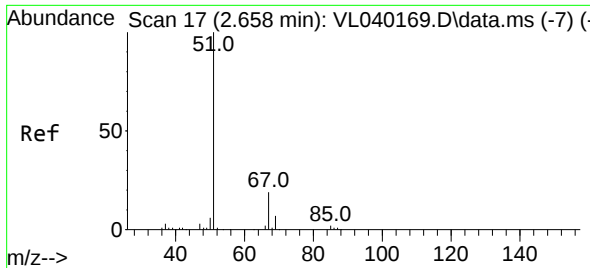
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.722 min Scan# 37
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 85 Resp: 17982
Ion Ratio Lower Upper
85 100
87 36.4 27.0 40.6





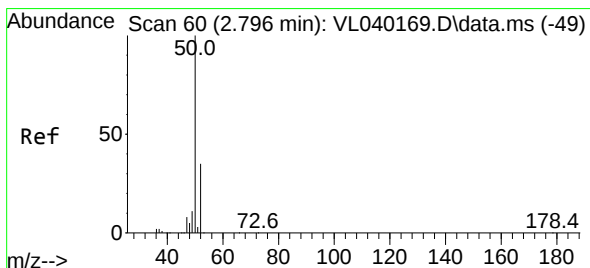
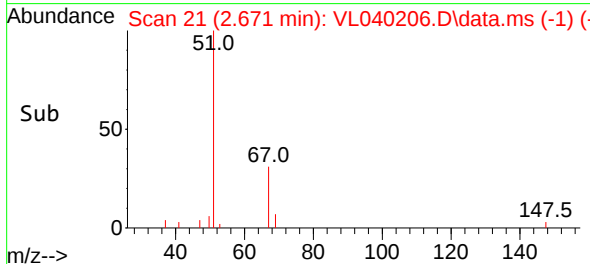
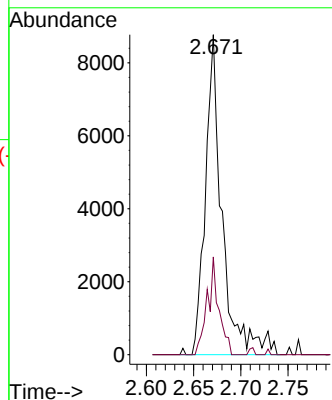
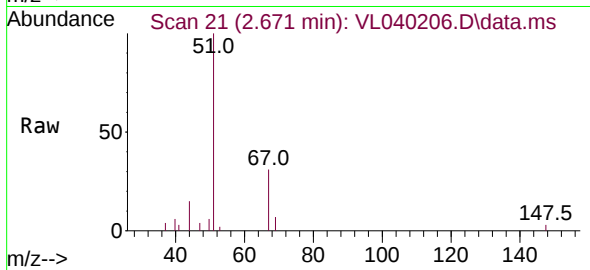
#3
Chlorodifluoromethane
Concen: 0.109 ppbv
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

Tgt Ion: 51 Resp: 10834
Ion Ratio Lower Upper
51 100
67 21.0 15.4 23.2

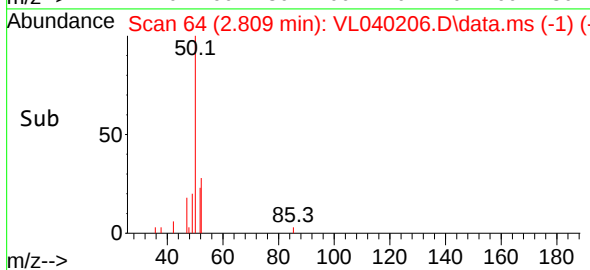
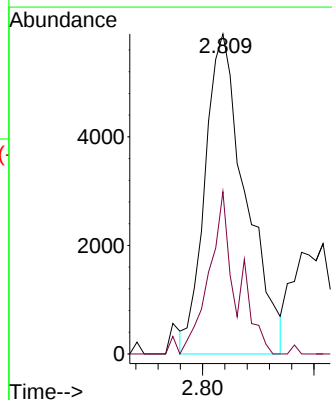
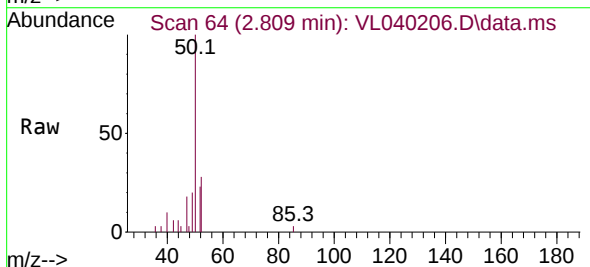
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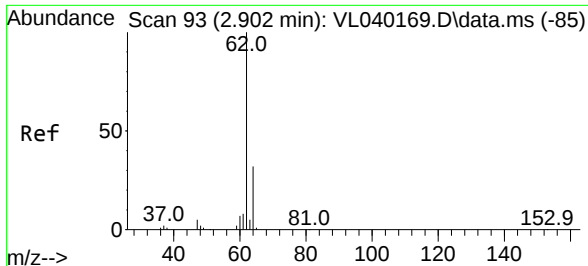
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Chloromethane
Concen: 0.119 ppbv
RT: 2.809 min Scan# 64
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

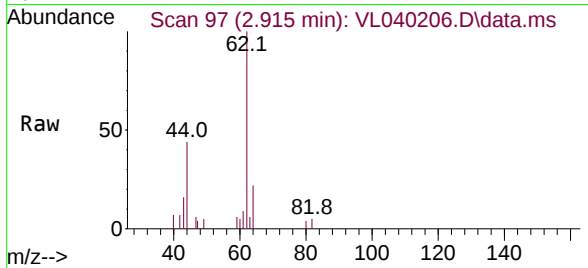
Tgt Ion: 50 Resp: 7464
Ion Ratio Lower Upper
50 100
52 54.6 28.3 42.5#





#5
 Vinyl Chloride
 Concen: 0.104 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

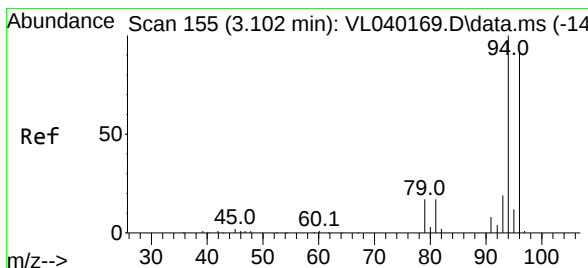
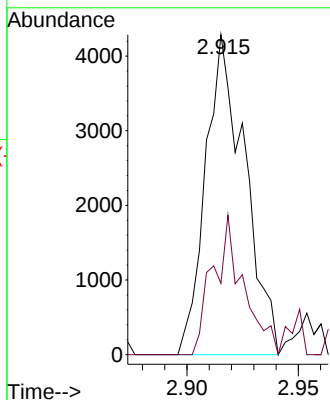
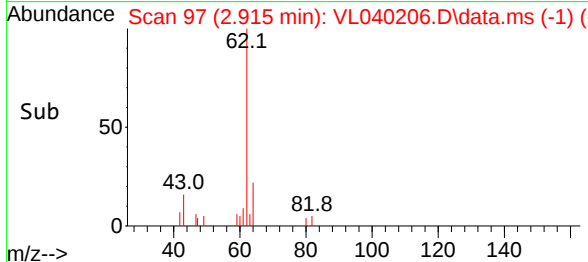
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 62 Resp: 5249
 Ion Ratio Lower Upper
 62 100
 64 22.3 25.6 38.4

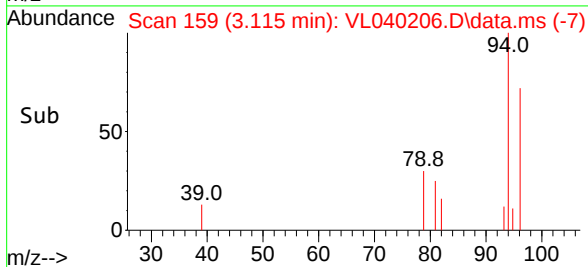
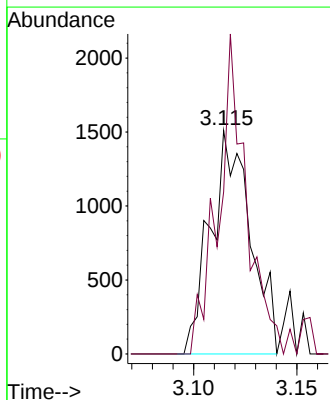
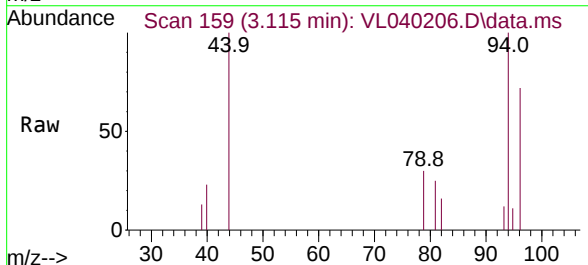
Manual Integrations
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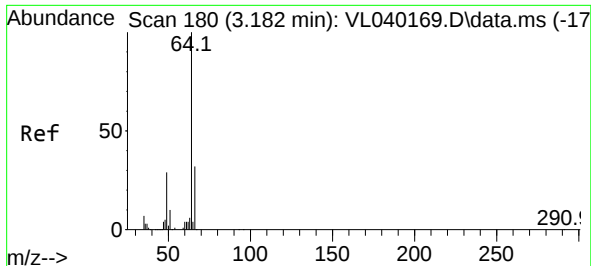
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#6
 Bromomethane
 Concen: 0.112 ppbv m
 RT: 3.115 min Scan# 159
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

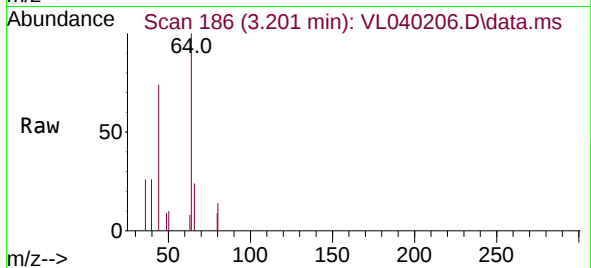
Tgt Ion: 94 Resp: 2034
 Ion Ratio Lower Upper
 94 100
 96 72.5 73.4 110.2





#7
Chloroethane
Concen: 0.143 ppbv m
RT: 3.201 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

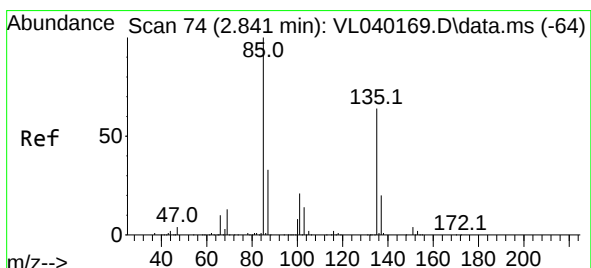
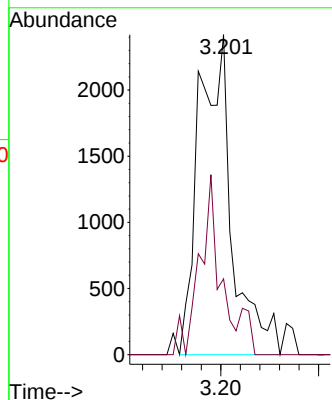
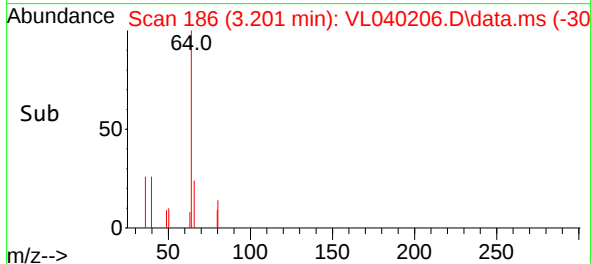
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2

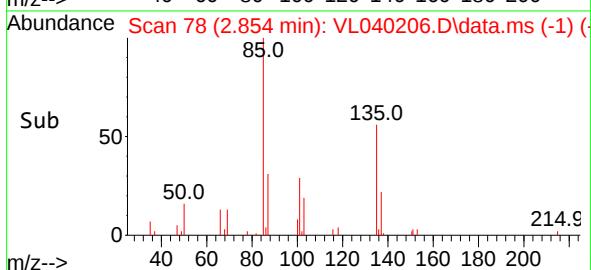
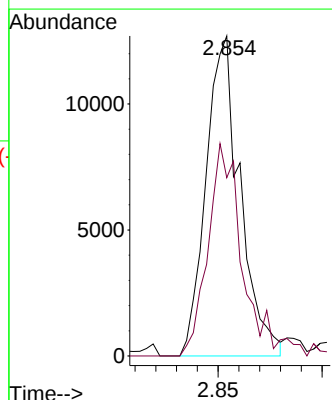
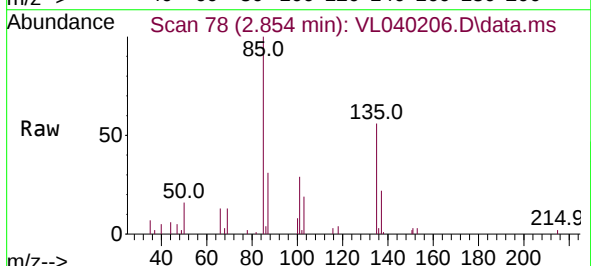
Manual Integrations
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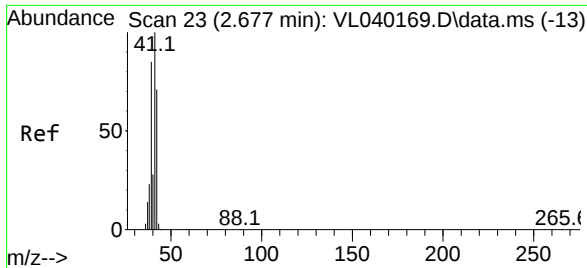
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#8
Dichlorotetrafluoroethane
Concen: 0.108 ppbv
RT: 2.854 min Scan# 78
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

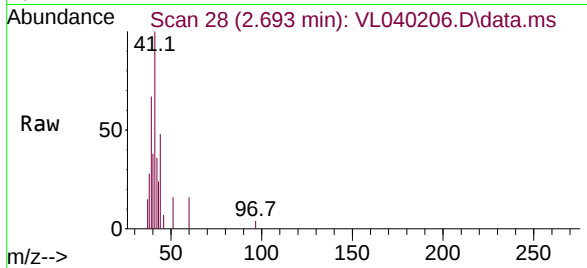
Tgt Ion: 85 Resp: 14466
Ion Ratio Lower Upper
85 100
135 68.3 51.5 77.3





#9
 Propene
 Concen: 0.163 ppbv
 RT: 2.693 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

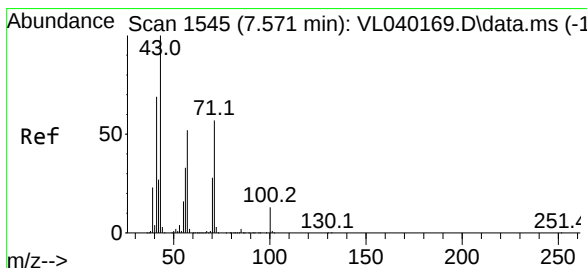
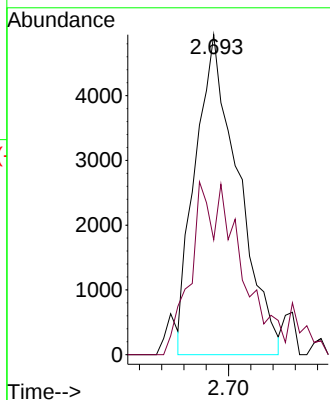
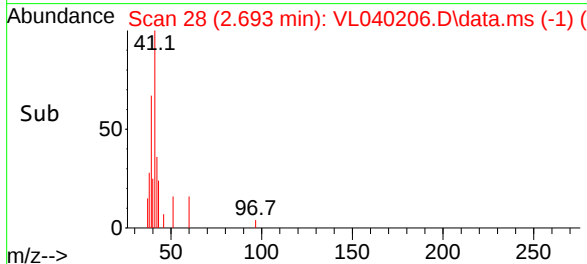
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 41 Resp: 660
 Ion Ratio Lower Upper
 41 100
 42 68.0 56.9 85.3

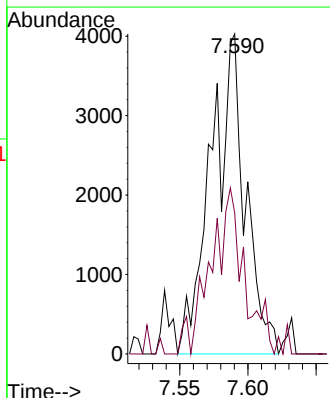
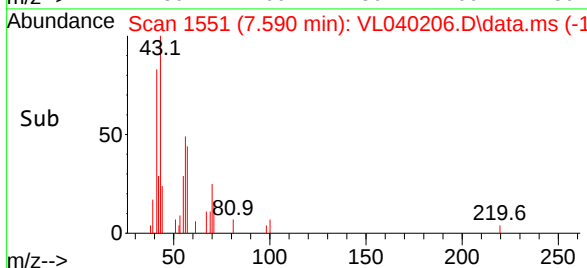
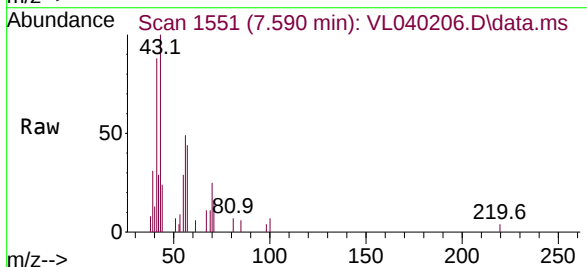
Manual Integrations
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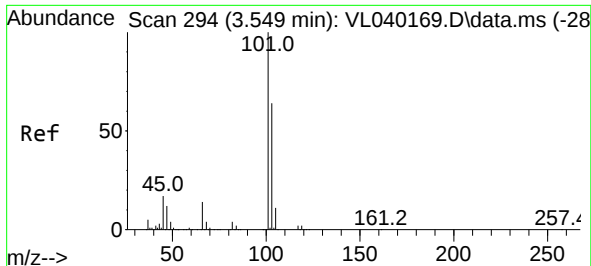
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#10
 Heptane
 Concen: 0.072 ppbv m
 RT: 7.590 min Scan# 1551
 Delta R.T. -0.013 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

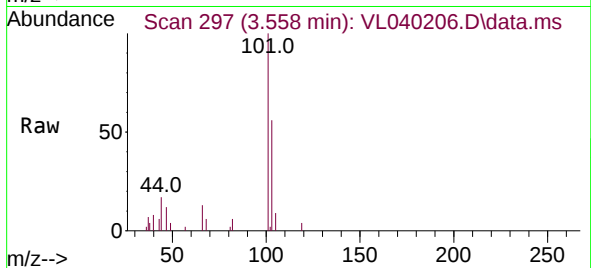
Tgt Ion: 43 Resp: 7000
 Ion Ratio Lower Upper
 43 100
 57 52.5 41.4 62.2





#11
 Trichlorofluoromethane
 Concen: 0.111 ppbv
 RT: 3.558 min Scan# 294
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

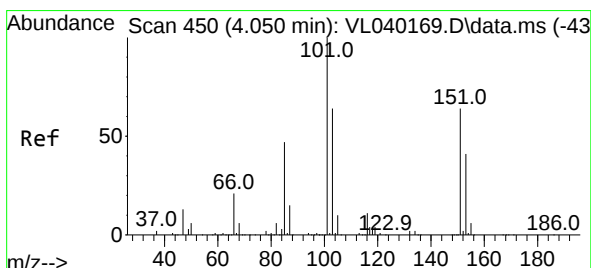
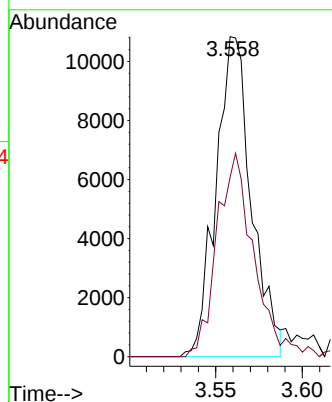
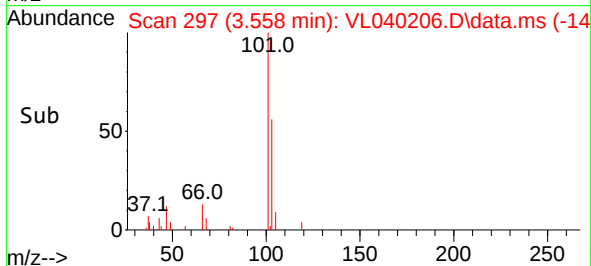
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion:101 Resp: 15430
 Ion Ratio Lower Upper
 101 100
 103 56.1 51.0 76.6

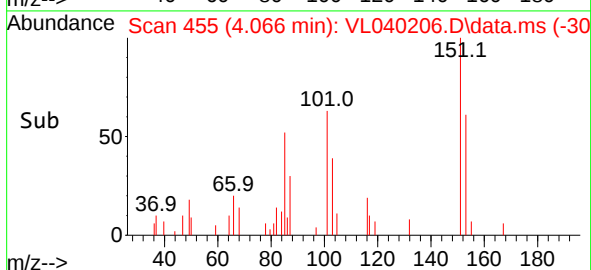
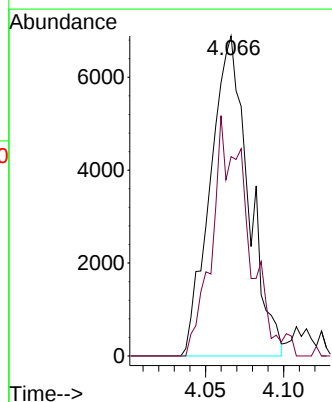
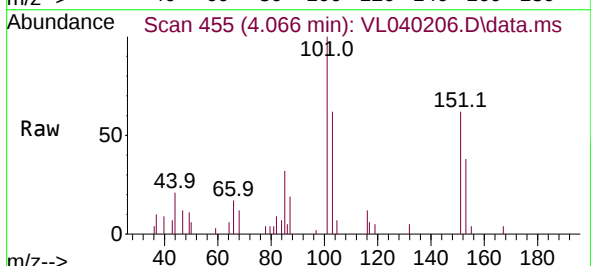
Manual Integrations
 APPROVED

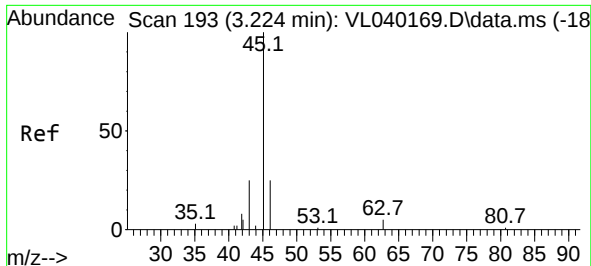
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.114 ppbv m
 RT: 4.066 min Scan# 455
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

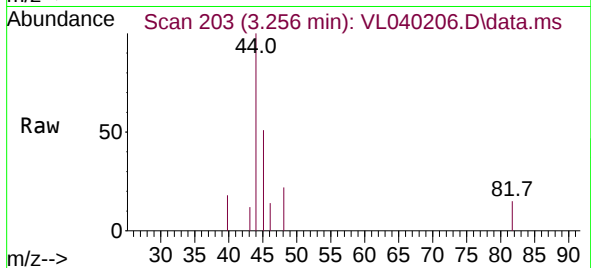
Tgt Ion:101 Resp: 11698
 Ion Ratio Lower Upper
 101 100
 151 70.9 54.7 82.1





#13
Ethanol
Concen: 0.206 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.006 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

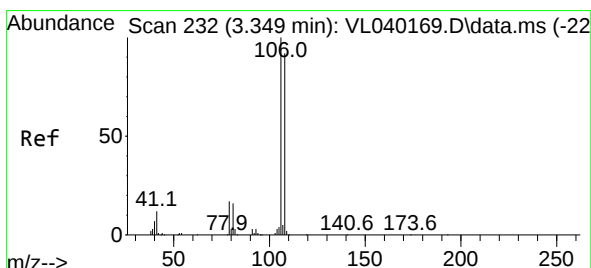
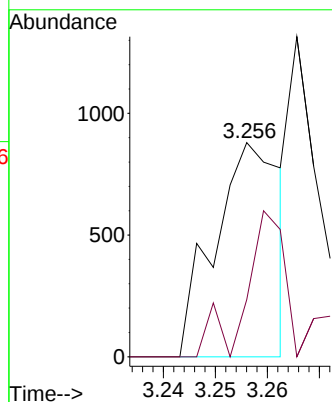
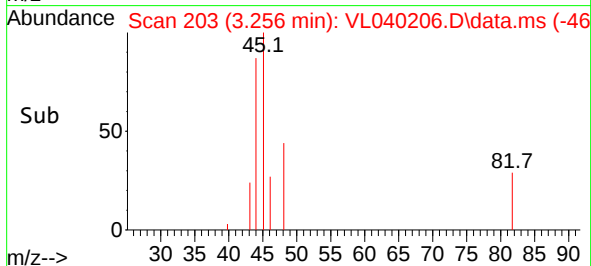
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



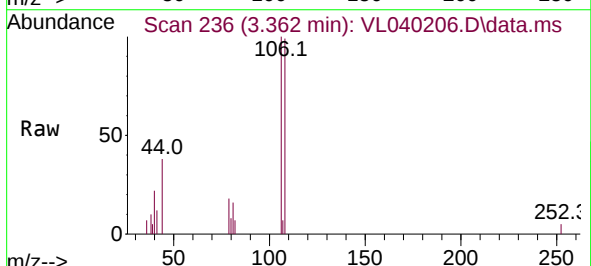
Tgt Ion: 45 Resp: 770
Ion Ratio Lower Upper
45 100
46 72.3 13.3 53.1

Manual Integrations
APPROVED

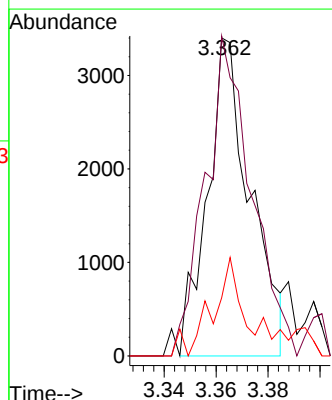
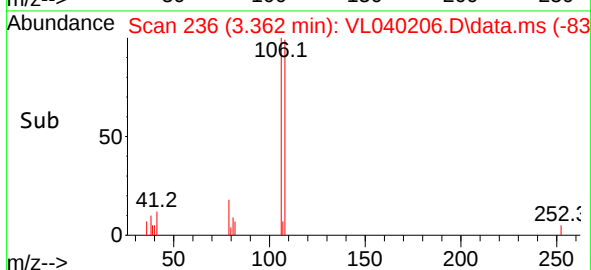
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

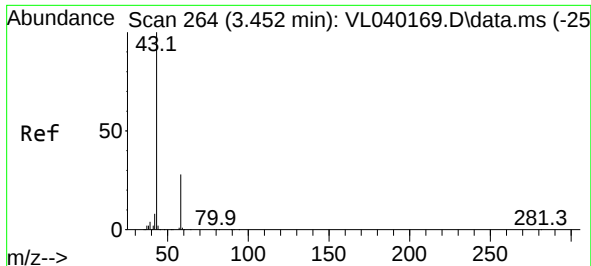


#14
Bromoethene
Concen: 0.099 ppbv
RT: 3.362 min Scan# 236
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



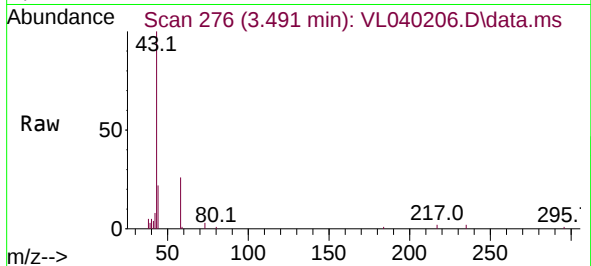
Tgt Ion:108 Resp: 3892
Ion Ratio Lower Upper
108 100
106 116.2 87.1 130.7
79 29.8 15.4 23.2





#15
Acetone
Concen: 0.166 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

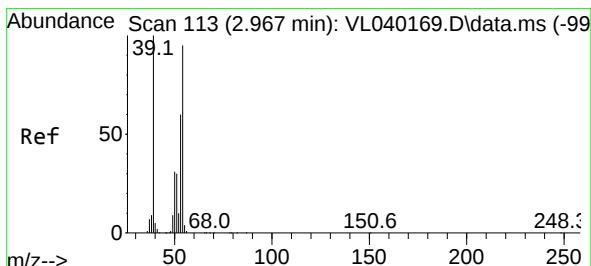
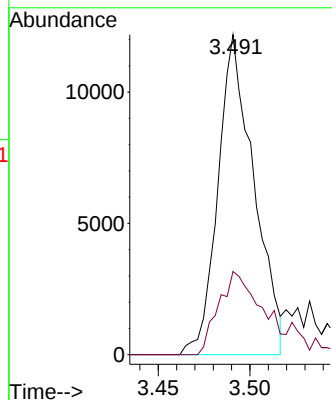
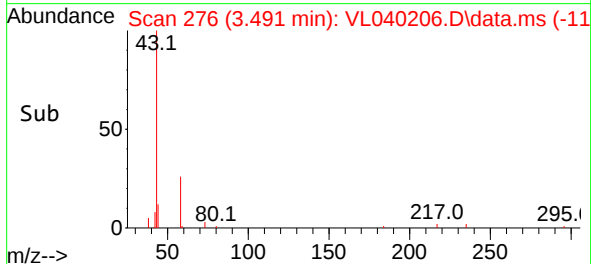
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 37.3 22.4 33.6

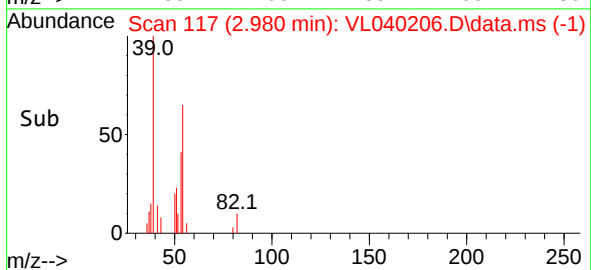
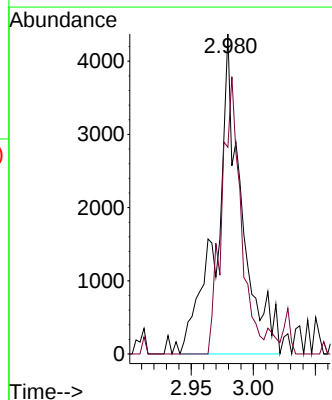
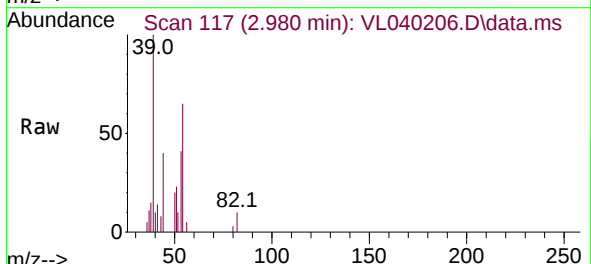
Manual Integrations
APPROVED

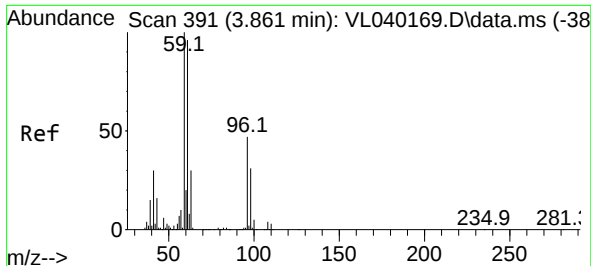
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#16
1,3-Butadiene
Concen: 0.134 ppbv m
RT: 2.980 min Scan# 117
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

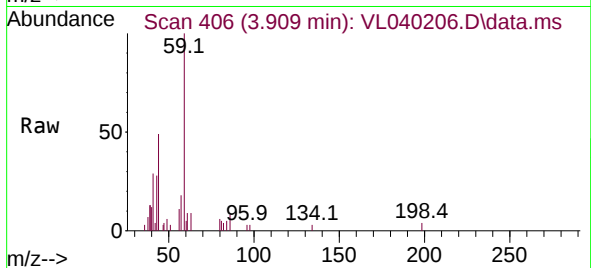
Tgt Ion: 39 Resp: 6119
Ion Ratio Lower Upper
39 100
54 0.0 66.7 100.1





#17
tert-Butyl alcohol
Concen: 0.105 ppbv m
RT: 3.909 min Scan# 406
Delta R.T. 0.022 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

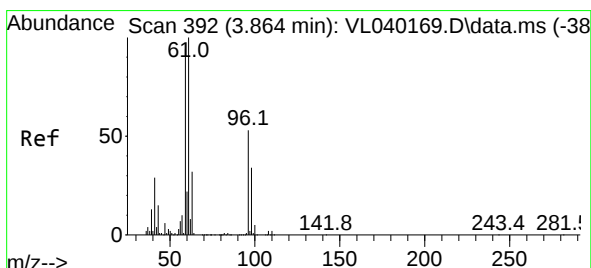
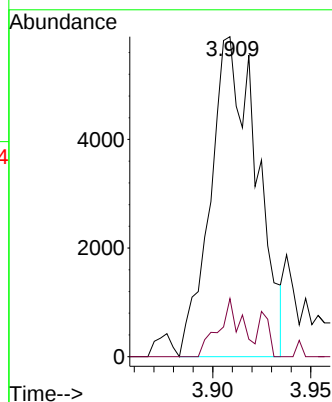
Instrument :
MSVOA_1
ClientSampleId :
LOQ-AIR-02-QT1-2023



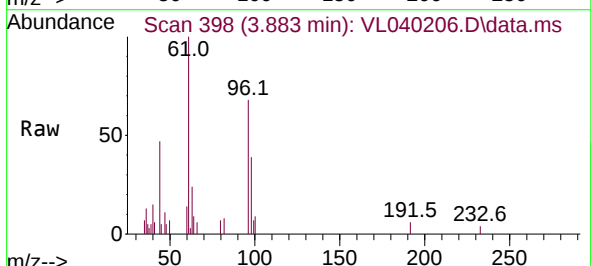
Tgt Ion: 59 Resp: 964
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7

Manual Integrations
APPROVED

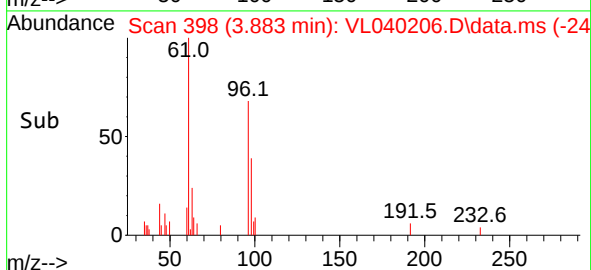
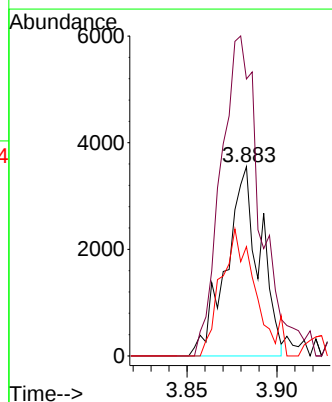
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

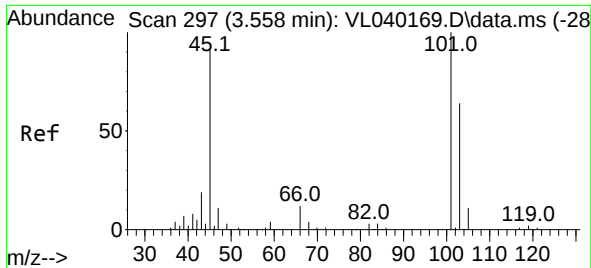


#18
1,1-Dichloroethene
Concen: 0.104 ppbv m
RT: 3.883 min Scan# 398
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



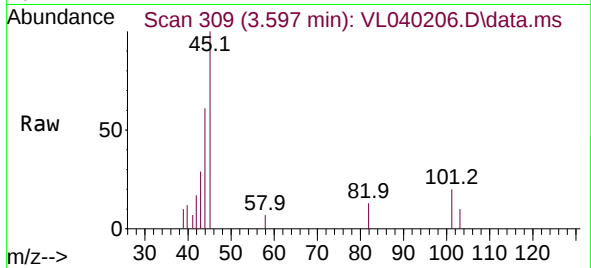
Tgt Ion: 96 Resp: 4637
Ion Ratio Lower Upper
96 100
61 146.4 149.6 224.4#
98 57.8 51.1 76.7





#19
Isopropyl Alcohol
Concen: 0.117 ppbv m
RT: 3.597 min Scan# 309
Delta R.T. 0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

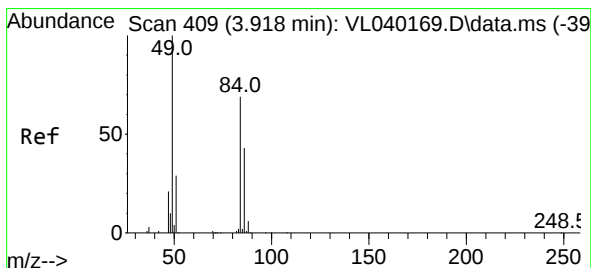
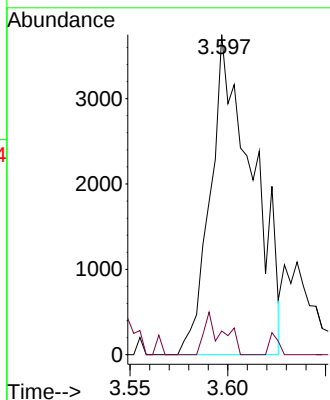
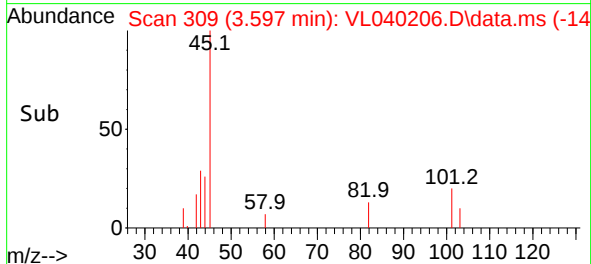
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



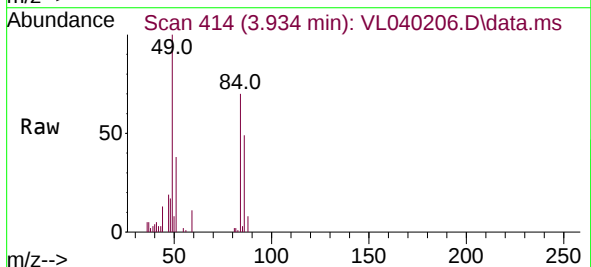
Tgt Ion: 45 Resp: 5569
Ion Ratio Lower Upper
45 100
58 7.4 2.6 3.8

Manual Integrations
APPROVED

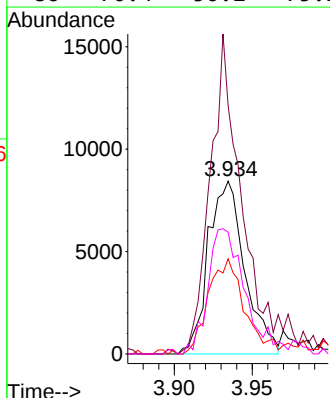
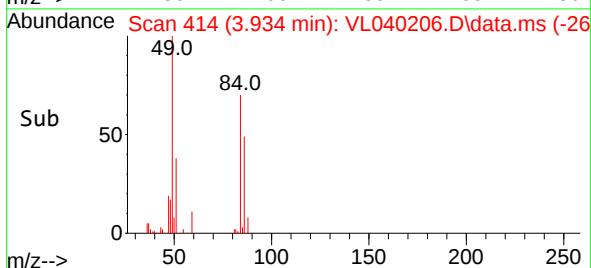
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

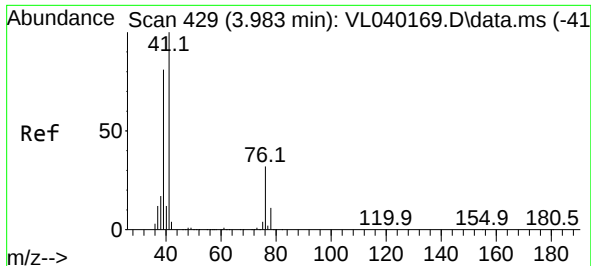


#20
Methylene Chloride
Concen: 0.263 ppbv
RT: 3.934 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



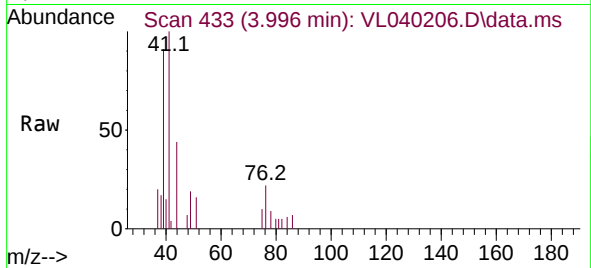
Tgt Ion: 84 Resp: 13713
Ion Ratio Lower Upper
84 100
49 143.7 115.5 173.3
51 55.1 33.1 49.7#
86 70.4 50.2 75.2





#21
 Allyl Chloride
 Concen: 0.105 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

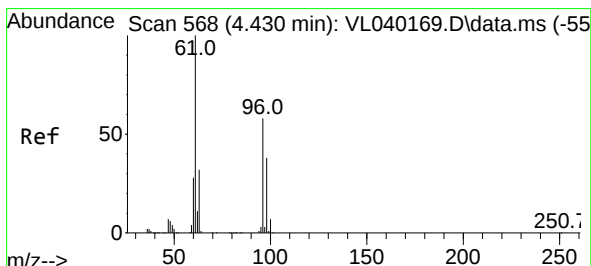
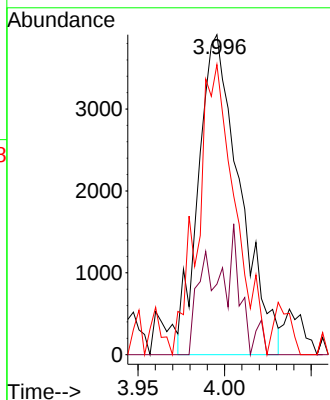
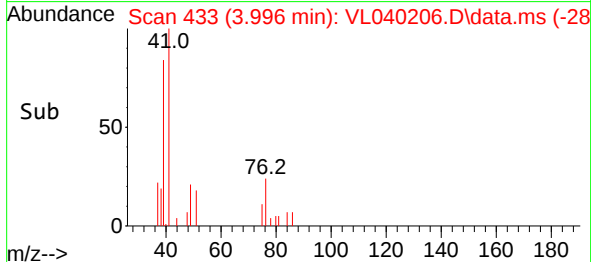
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



Tgt Ion: 41 Resp: 6470
 Ion Ratio Lower Upper
 41 100
 76 29.3 25.5 38.3
 39 87.4 64.5 96.7

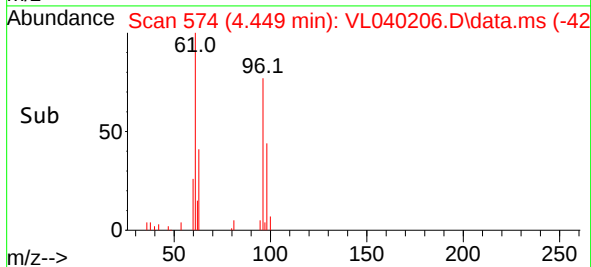
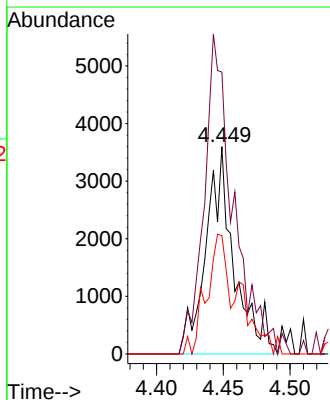
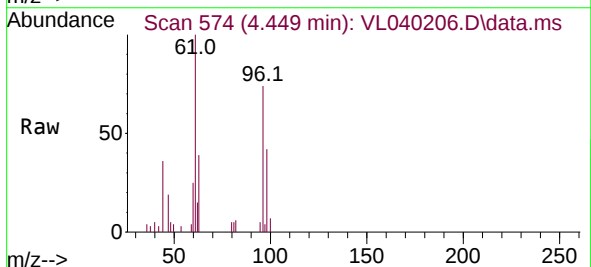
Manual Integrations
 APPROVED

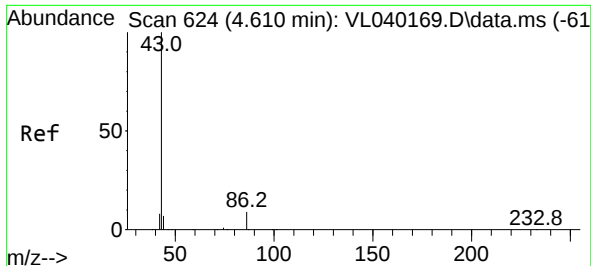
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.114 ppbv m
 RT: 4.449 min Scan# 574
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

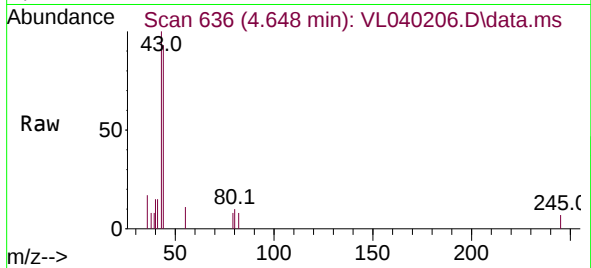
Tgt Ion: 96 Resp: 5256
 Ion Ratio Lower Upper
 96 100
 61 135.9 137.5 206.3#
 98 57.0 52.8 79.2





#23
 Vinyl Acetate
 Concen: 0.135 ppbv m
 RT: 4.648 min Scan# 611
 Delta R.T. 0.009 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

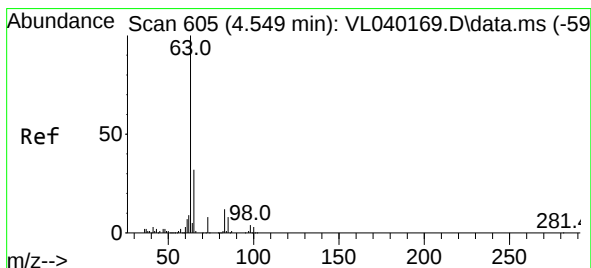
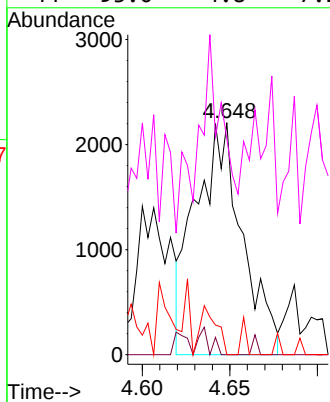
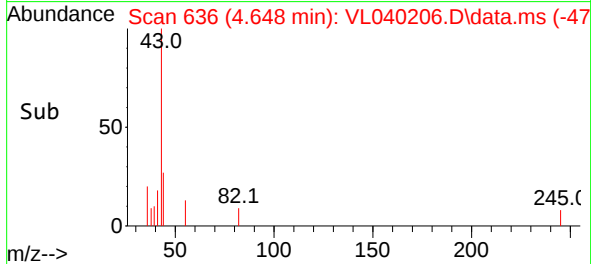
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023



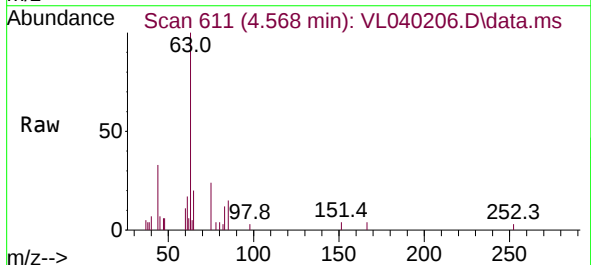
Tgt Ion: 43 Resp: 411
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.6 8.4
 42 0.0 7.6 11.4
 44 93.0 4.8 7.2#

Manual Integrations
 APPROVED

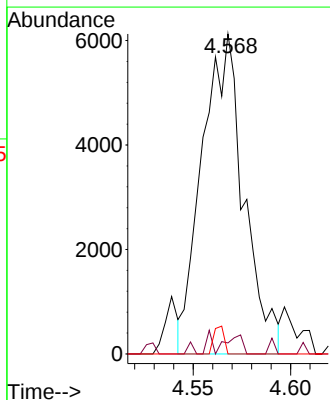
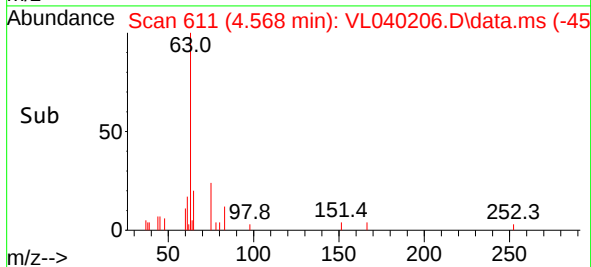
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023

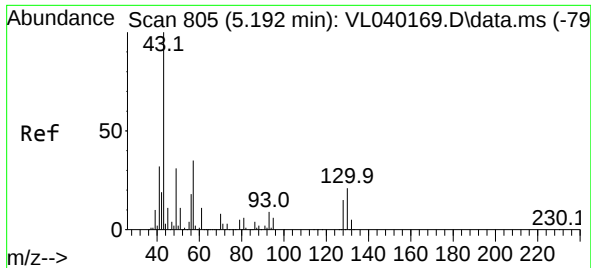


#24
 1,1-Dichloroethane
 Concen: 0.096 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. -0.007 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23



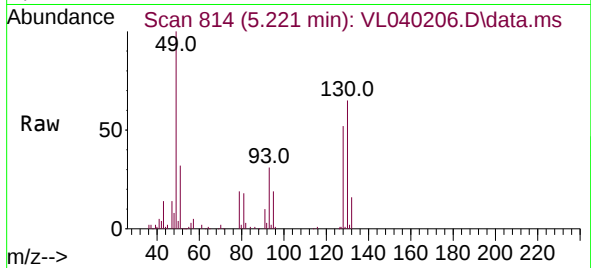
Tgt Ion: 63 Resp: 9128
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.3 6.8
 100 0.0 1.4 4.0#





#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

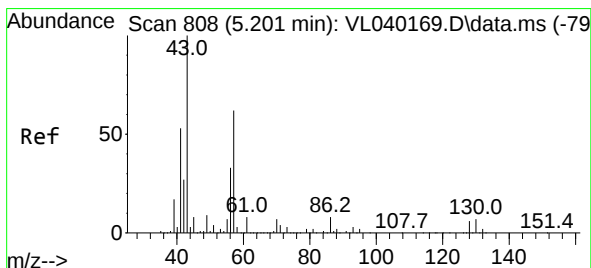
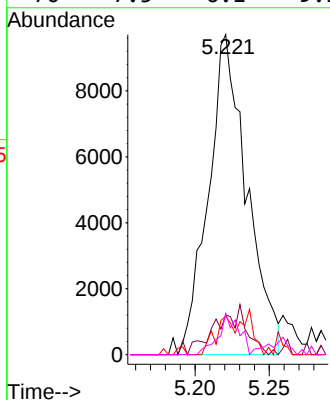
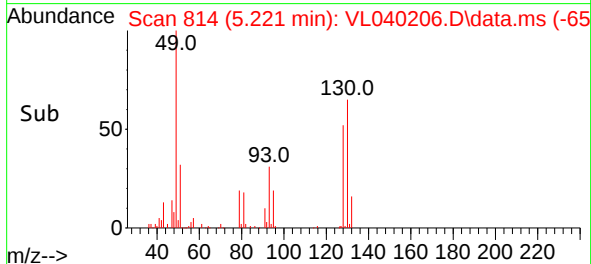


Tgt Ion: 43 Resp: 1748

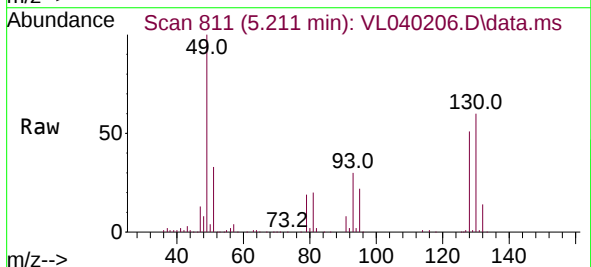
Ion	Ratio	Lower	Upper
43	100		
45	13.0	8.3	12.5
61	12.5	8.4	12.6
70	7.5	6.1	9.1

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

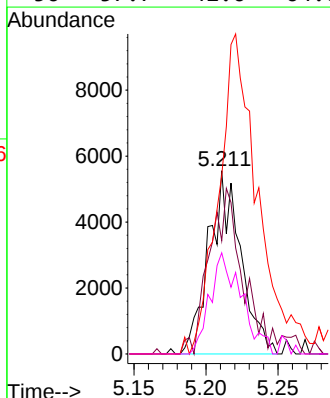
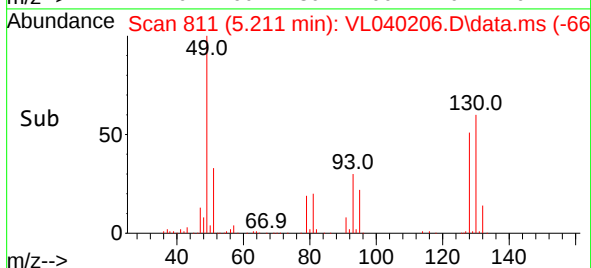


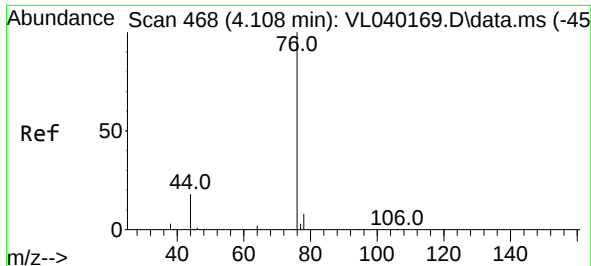
#26
Hexane
Concen: 0.106 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



Tgt Ion: 57 Resp: 8507

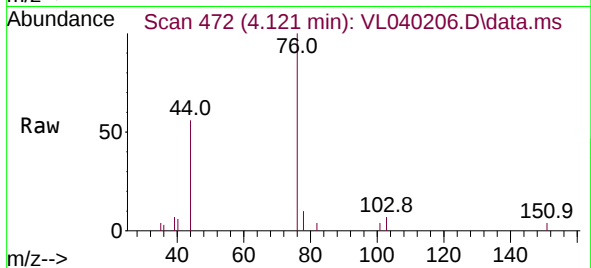
Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.3	111.5#
43	0.0	193.0	289.4#
56	57.7	42.6	64.0





#27
Carbon Disulfide
Concen: 0.087 ppbv
RT: 4.121 min Scan# 411
Delta R.T. -0.010 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

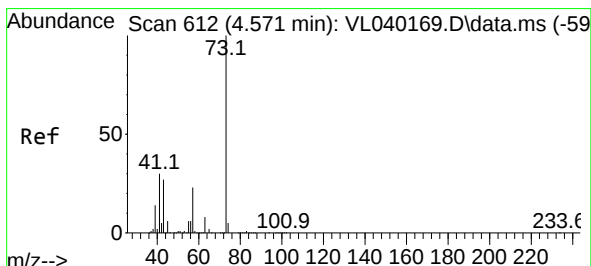
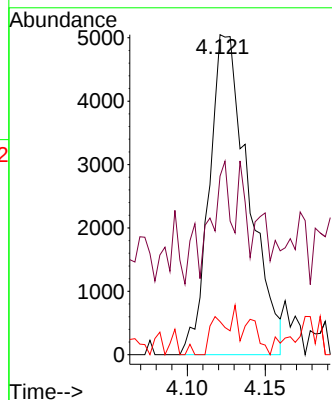
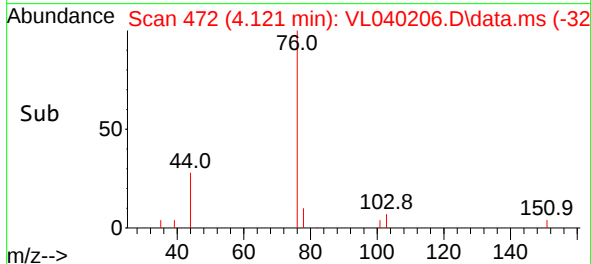
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 76 Resp: 884
Ion Ratio Lower Upper
76 100
44 24.6 15.3 22.9
78 11.8 7.7 11.5

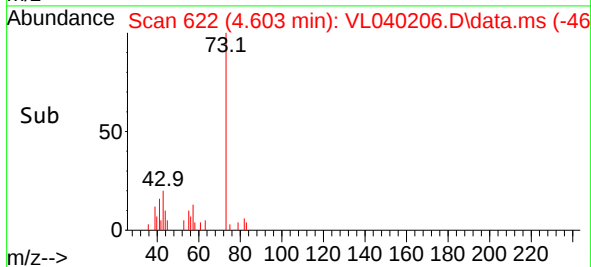
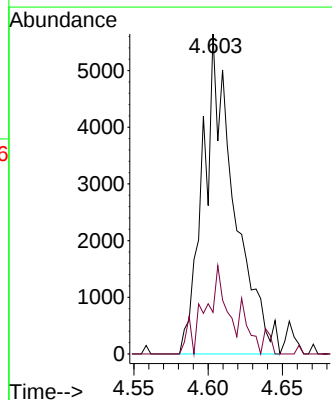
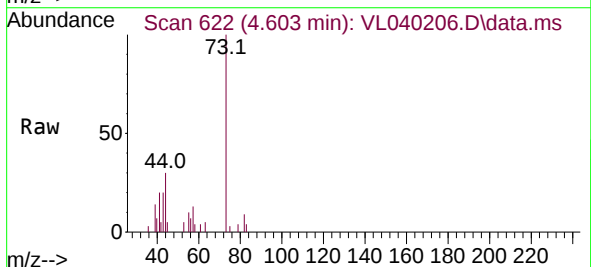
Manual Integrations
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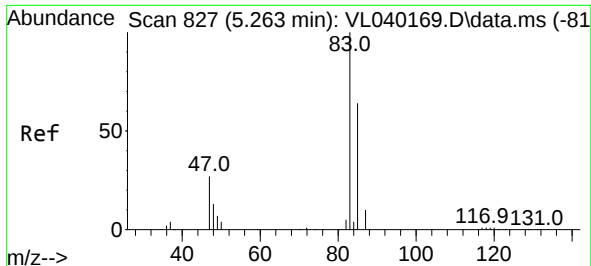
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#28
Methyl tert-Butyl Ether
Concen: 0.096 ppbv m
RT: 4.603 min Scan# 622
Delta R.T. 0.006 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 73 Resp: 8257
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#





#29

Chloroform

Concen: 0.101 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 83 Resp: 13924

Ion Ratio Lower Upper

83 100

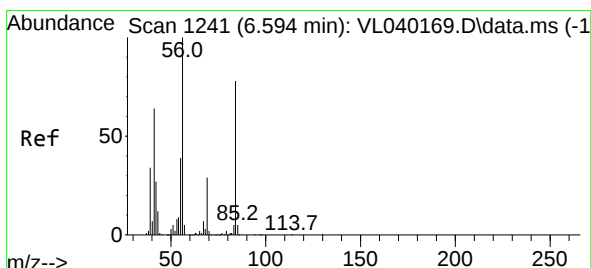
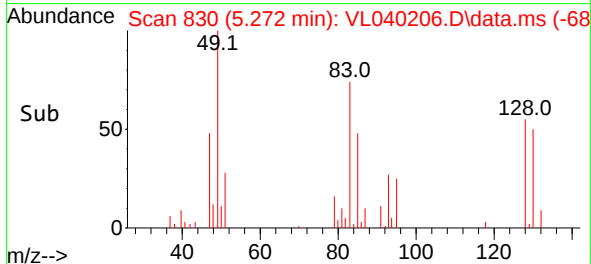
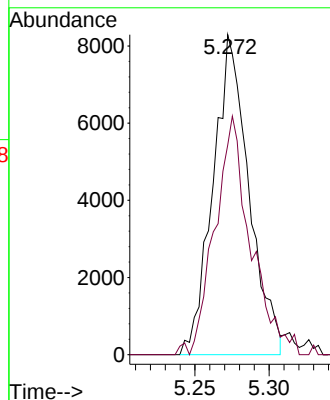
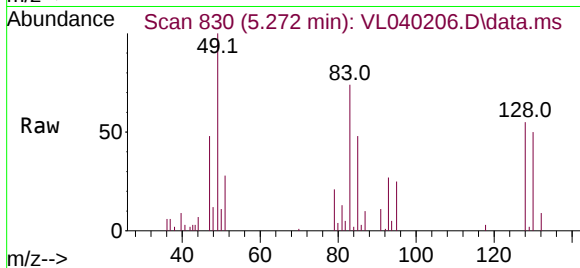
85 62.9 51.5 77.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#30

Cyclohexane

Concen: 0.105 ppbv m

RT: 6.603 min Scan# 1244

Delta R.T. -0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

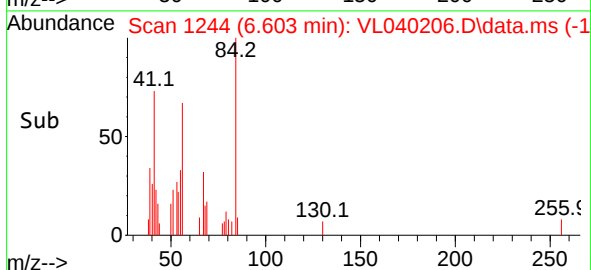
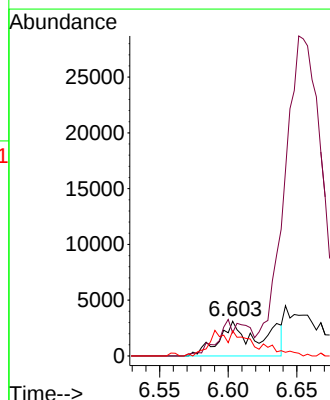
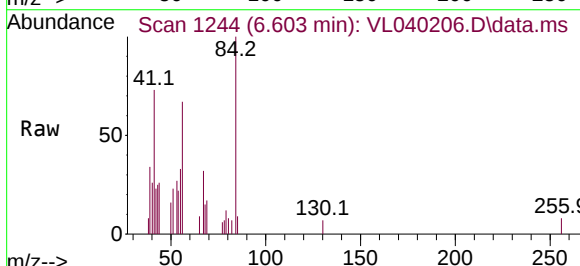
Tgt Ion: 84 Resp: 6604

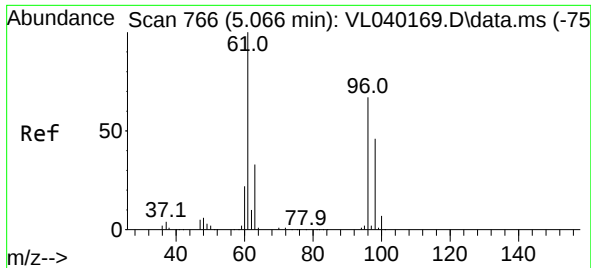
Ion Ratio Lower Upper

84 100

56 0.0 109.9 164.9#

41 0.0 67.8 101.6#





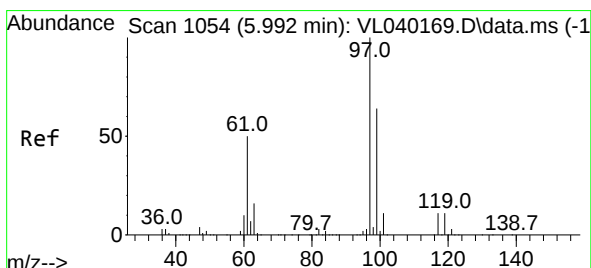
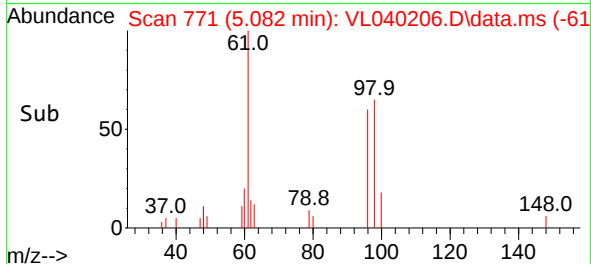
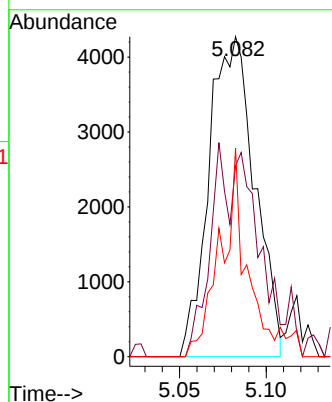
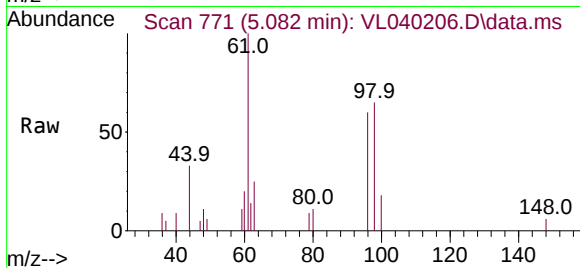
#31
 cis-1,2-Dichloroethene
 Concen: 0.103 ppbv
 RT: 5.082 min Scan# 771
 Delta R.T. -0.010 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

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

Tgt Ion: 61 Resp: 783
 Ion Ratio Lower Upper
 61 100
 96 52.2 53.7 80.5
 98 57.0 36.4 54.6

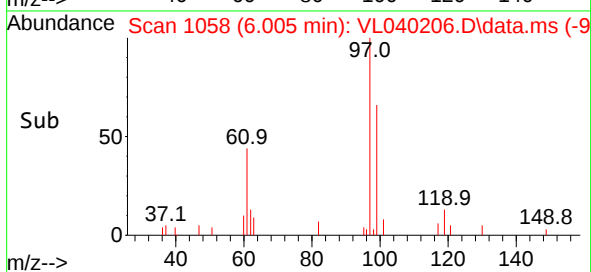
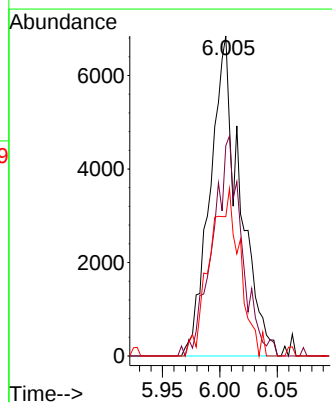
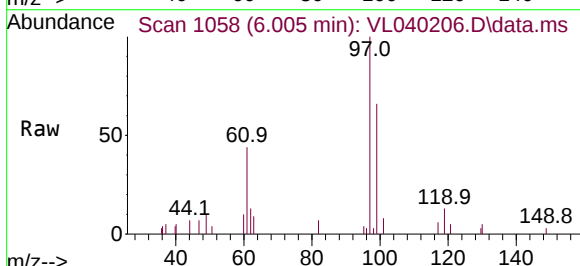
Manual Integrations
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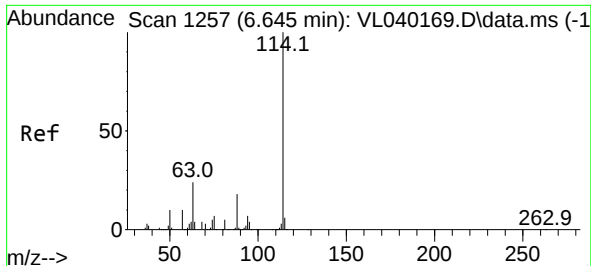
Reviewed By :Semsettin Yesilyurt 02/22/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.096 ppbv m
 RT: 6.005 min Scan# 1058
 Delta R.T. -0.016 min
 Lab File: VL040206.D
 Acq: 21 Feb 2023 22:23

Tgt Ion: 97 Resp: 12378
 Ion Ratio Lower Upper
 97 100
 99 67.2 51.5 77.3
 61 53.0 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.019 min

Lab File: VL040206.D

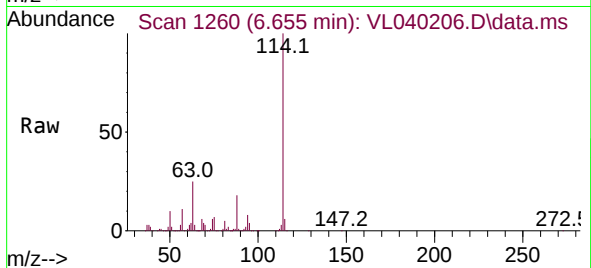
Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:114 Resp: 2150400

Ion Ratio Lower Upper

114 100

63 26.0 20.4 30.6

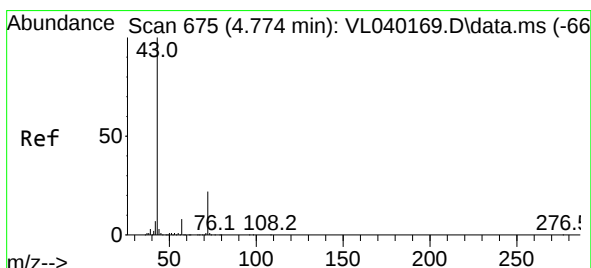
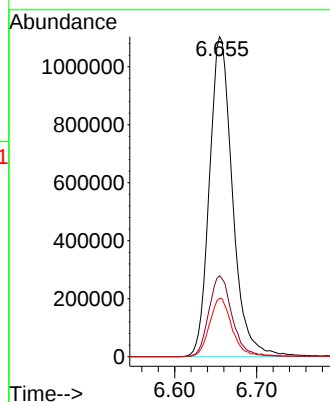
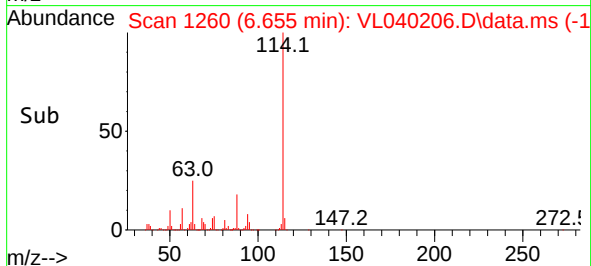
88 18.2 14.3 21.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#34

2-Butanone

Concen: 0.127 ppbv m

RT: 4.812 min Scan# 687

Delta R.T. 0.016 min

Lab File: VL040206.D

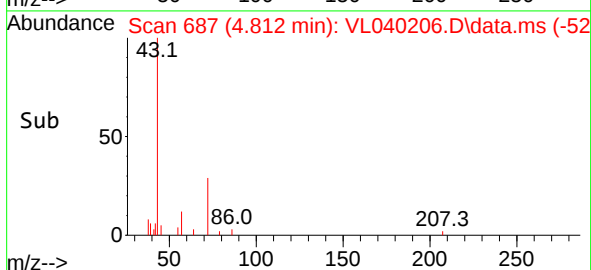
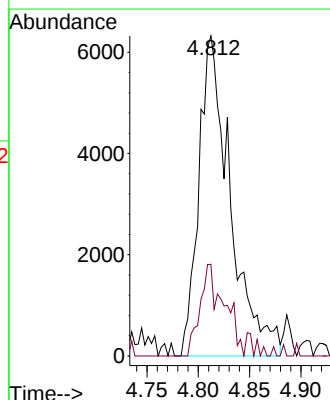
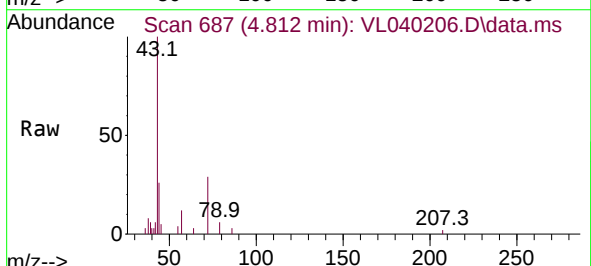
Acq: 21 Feb 2023 22:23

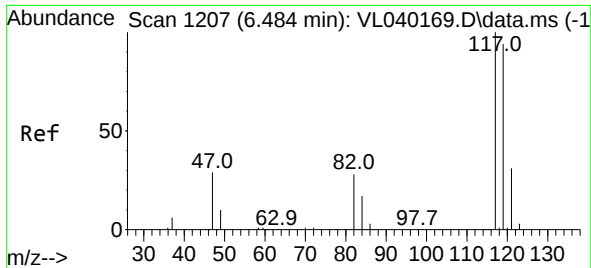
Tgt Ion: 43 Resp: 13486

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.8#





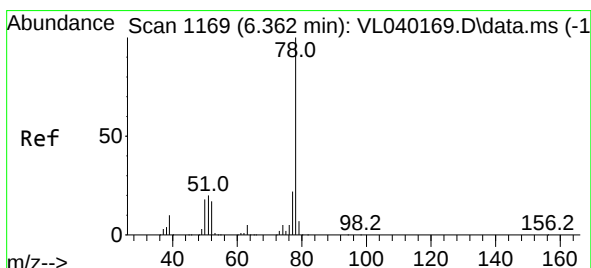
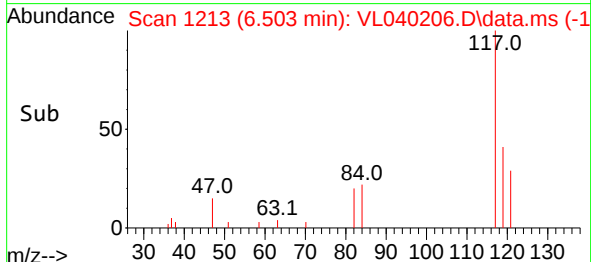
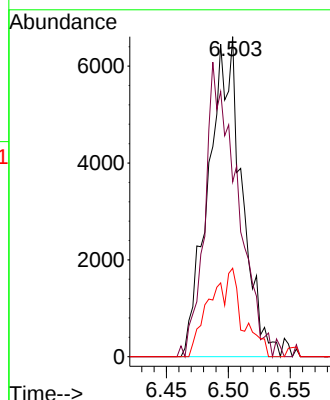
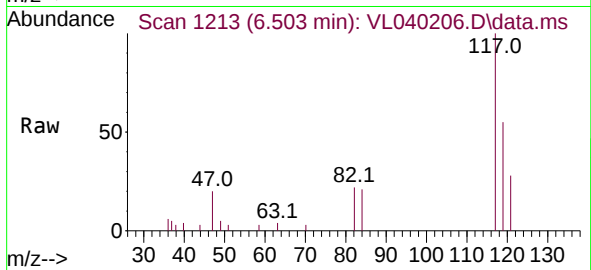
#35
Carbon Tetrachloride
Concen: 0.097 ppbv m
RT: 6.503 min Scan# 1172
Delta R.T. -0.010 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

Tgt Ion:117 Resp: 1234
Ion Ratio Lower Upper
117 100
119 54.6 75.0 112.6
121 27.7 25.0 37.4

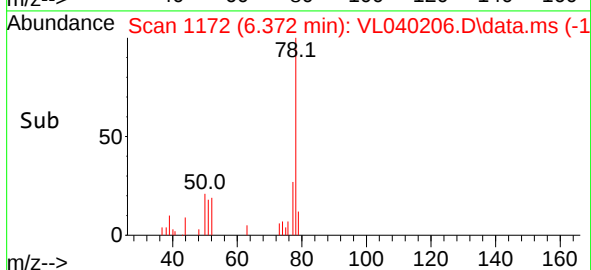
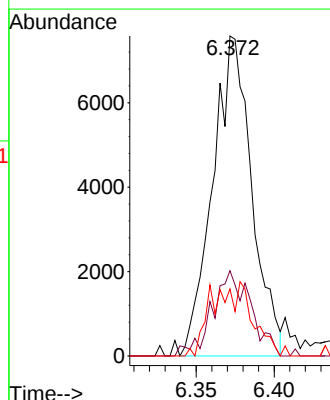
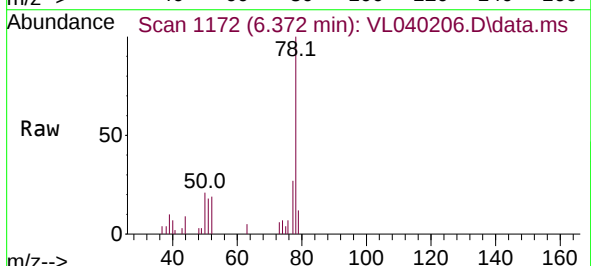
Manual Integrations
APPROVED

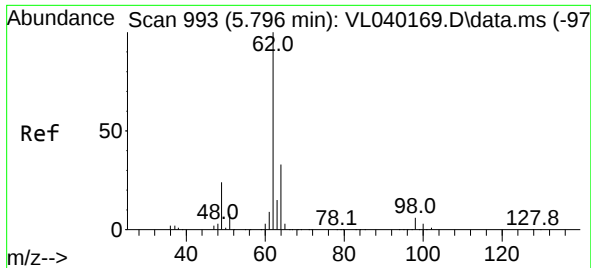
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#36
Benzene
Concen: 0.079 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 78 Resp: 13221
Ion Ratio Lower Upper
78 100
77 26.6 17.5 26.3#
50 21.0 14.6 22.0





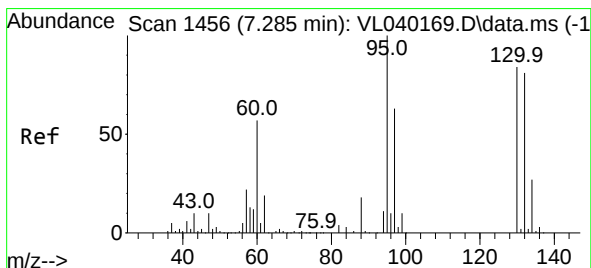
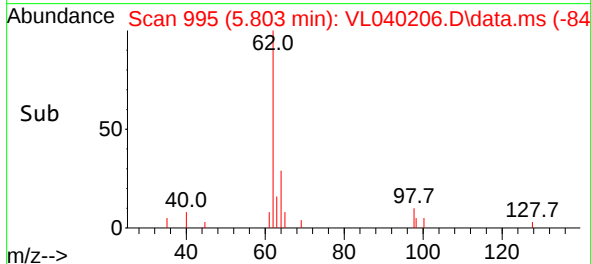
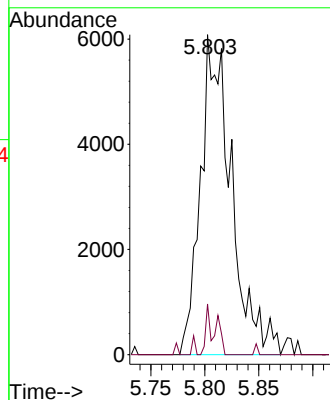
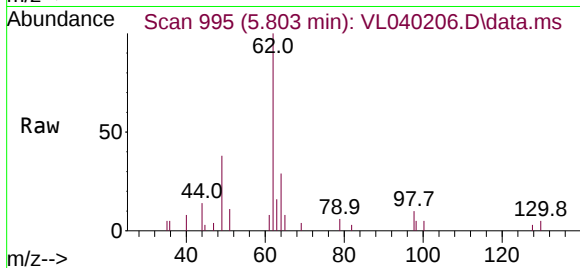
#37
1,2-Dichloroethane
Concen: 0.115 ppbv m
RT: 5.803 min Scan# 995
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

Tgt Ion: 62 Resp: 1203
Ion Ratio Lower Upper
62 100
98 5.6 4.7 7.1

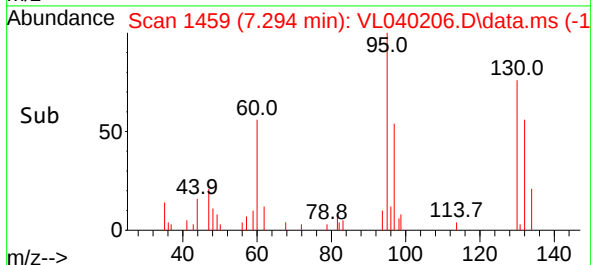
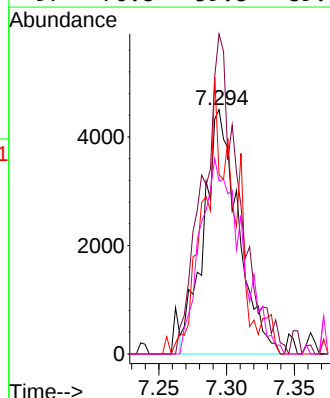
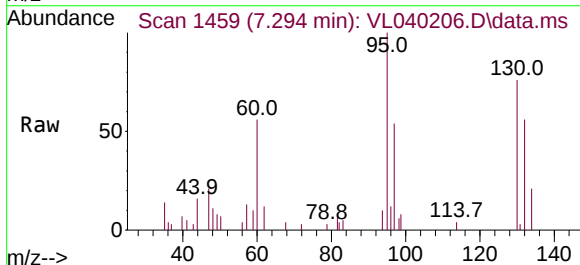
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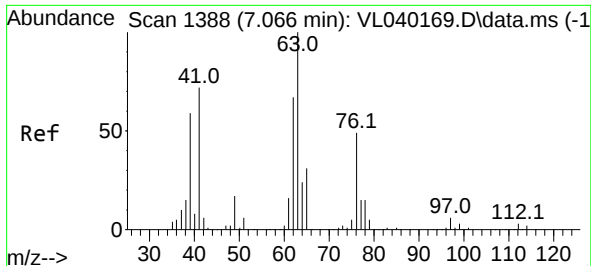
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#38
Trichloroethene
Concen: 0.087 ppbv
RT: 7.294 min Scan# 1459
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:130 Resp: 7984
Ion Ratio Lower Upper
130 100
95 126.4 94.7 142.1
132 73.3 76.4 114.6#
97 70.8 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.101 ppbv m

RT: 7.085 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL040206.D

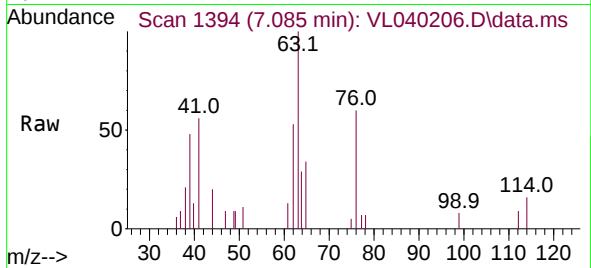
Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



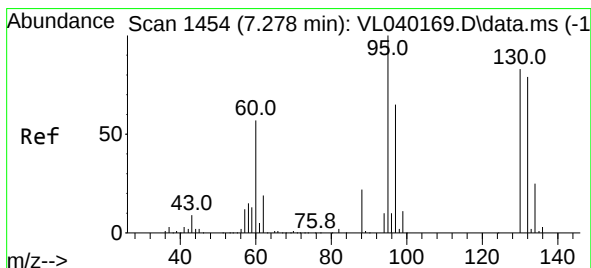
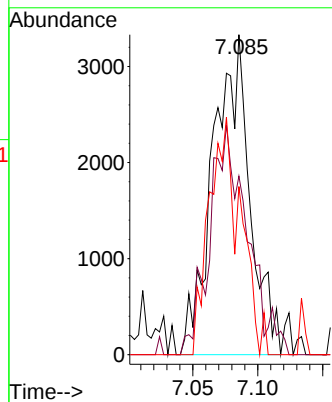
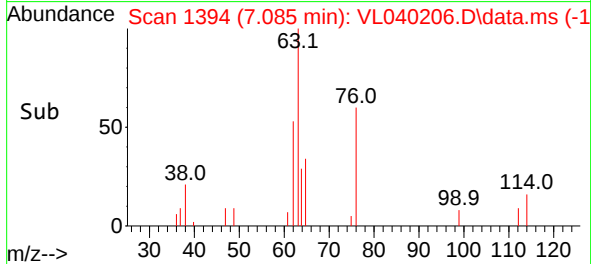
Tgt Ion:	63	Resp:	660
Ion Ratio	Lower	Upper	
63	100		
41	55.8	57.6	86.4
62	52.6	54.0	81.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#40

1,4-Dioxane

Concen: 0.126 ppbv m

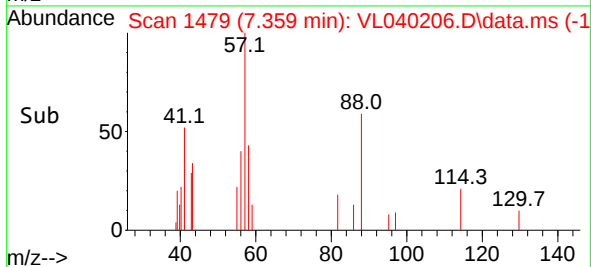
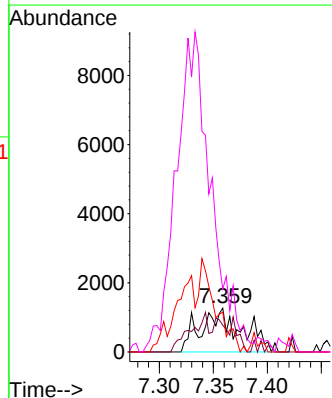
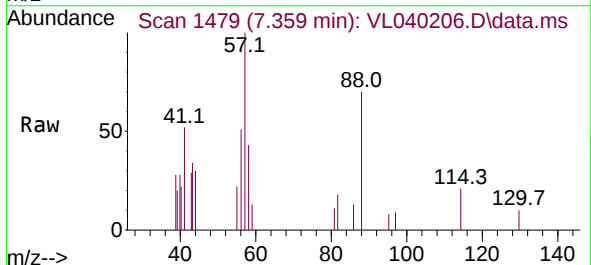
RT: 7.359 min Scan# 1479

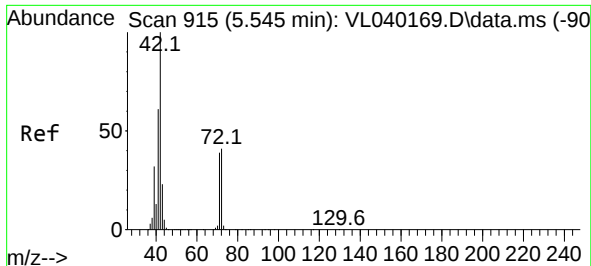
Delta R.T. 0.051 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion:	88	Resp:	3277
Ion Ratio	Lower	Upper	
88	100		
58	0.0	97.4	146.0#
43	0.0	193.5	290.3#
57	650.7	857.0	1285.6#





#41

Tetrahydrofuran

Concen: 0.082 ppbv m

RT: 5.603 min Scan# 915

Delta R.T. 0.032 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

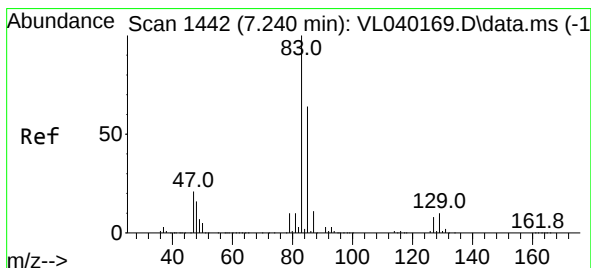
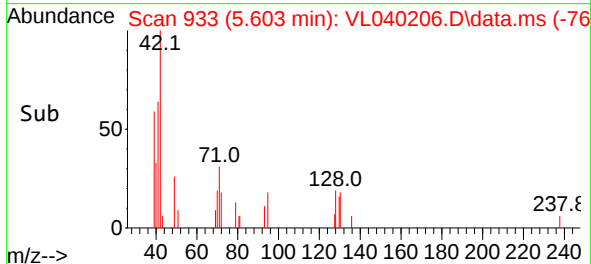
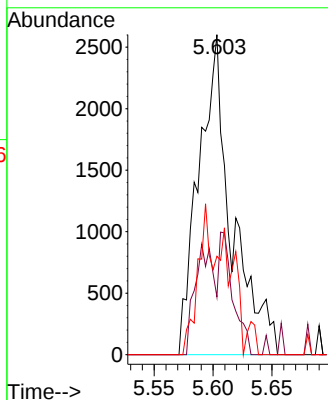
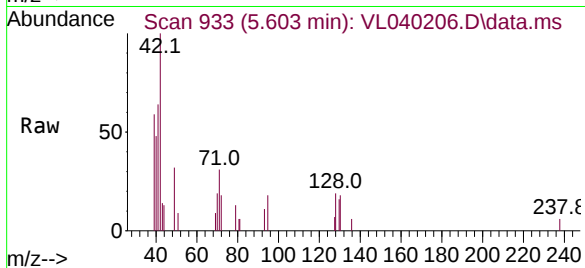
Tgt Ion:	42	Resp:	5050
Ion Ratio	Lower	Upper	
42	100		
72	0.0	33.0	49.4
71	41.8	31.4	47.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#42

Bromodichloromethane

Concen: 0.086 ppbv m

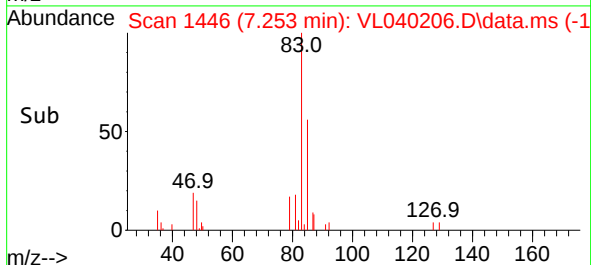
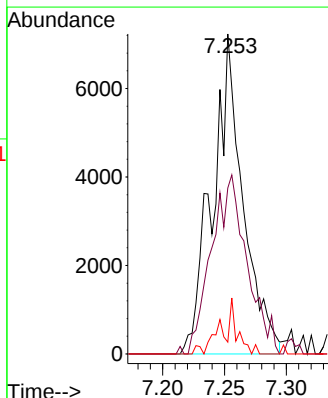
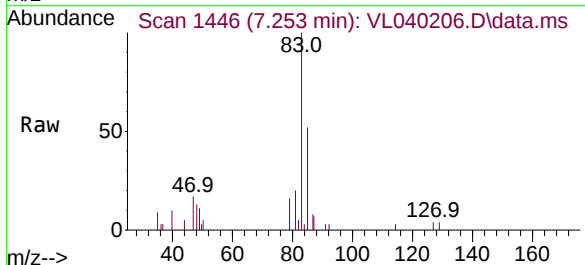
RT: 7.253 min Scan# 1446

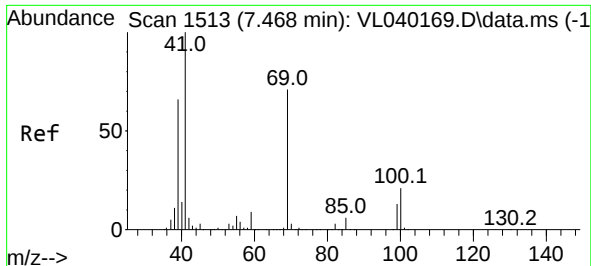
Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

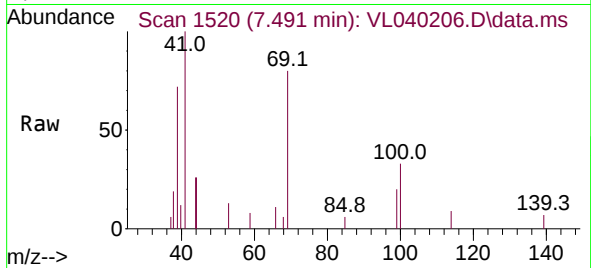
Tgt Ion:	83	Resp:	12394
Ion Ratio	Lower	Upper	
83	100		
85	51.9	50.9	76.3
127	3.7	6.2	9.2





#43
Methyl Methacrylate
Concen: 0.068 ppbv
RT: 7.491 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

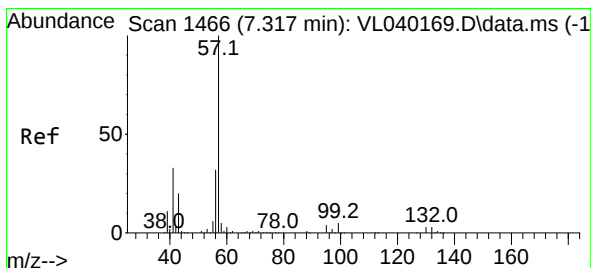
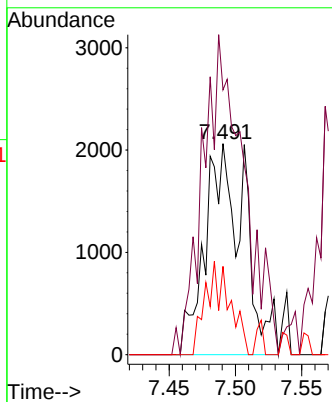
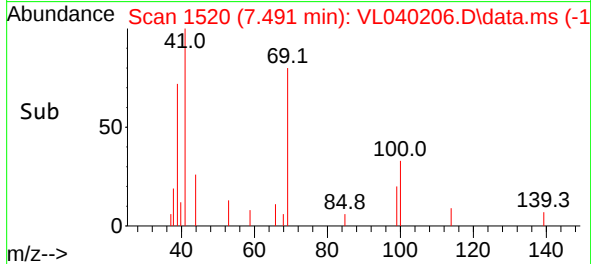
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 69 Resp: 4234
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8
100 0.0 25.6 38.4

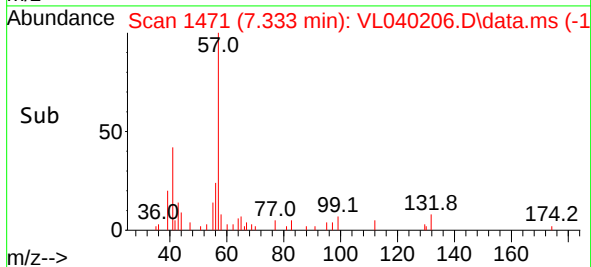
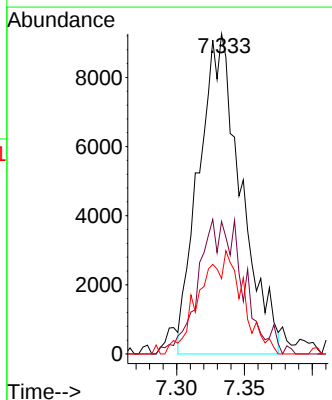
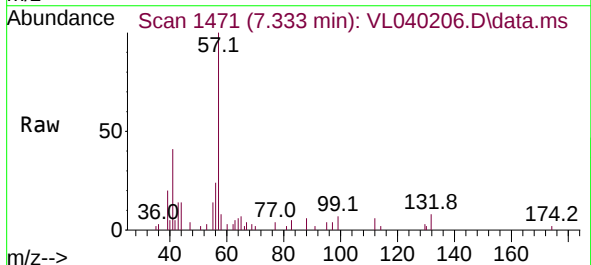
Manual Integrations
APPROVED

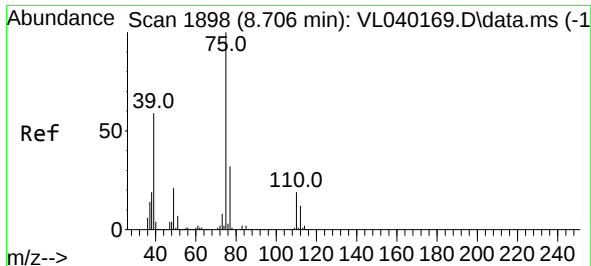
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#44
2,2,4-Trimethylpentane
Concen: 0.072 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion: 57 Resp: 20055
Ion Ratio Lower Upper
57 100
41 44.7 26.2 39.4
56 33.3 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.059 ppbv m

RT: 8.728 min Scan# 1905

Delta R.T. -0.007 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 75 Resp: 3228

Ion Ratio Lower Upper

75 100

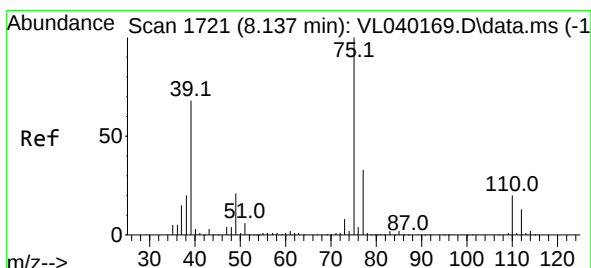
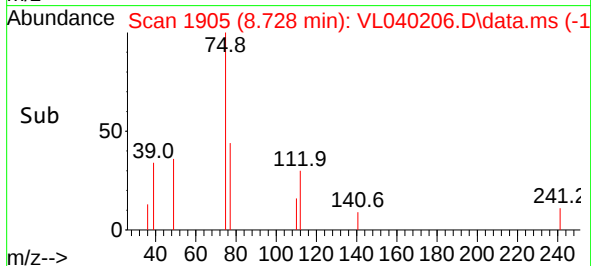
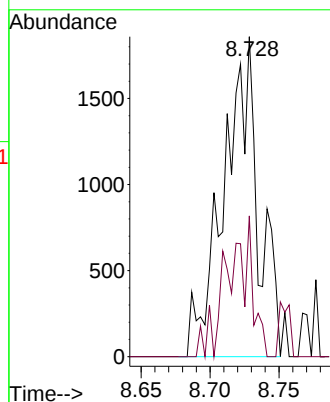
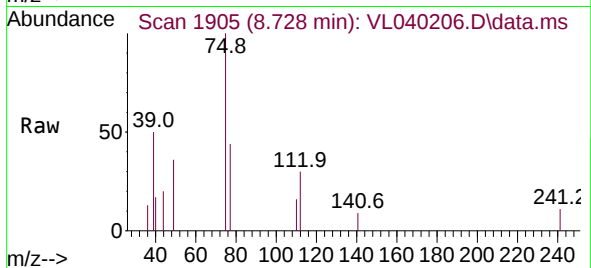
77 81800.0 25.7 38

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#46

cis-1,3-Dichloropropene

Concen: 0.074 ppbv m

RT: 8.146 min Scan# 1724

Delta R.T. -0.016 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

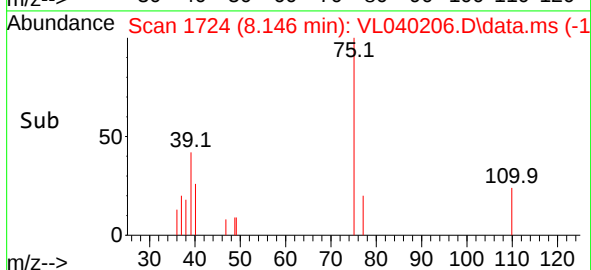
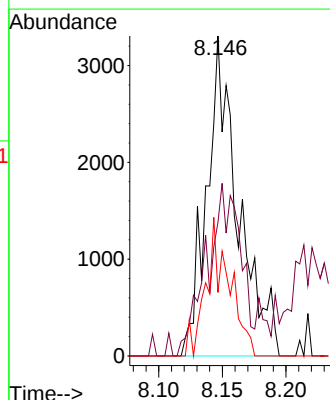
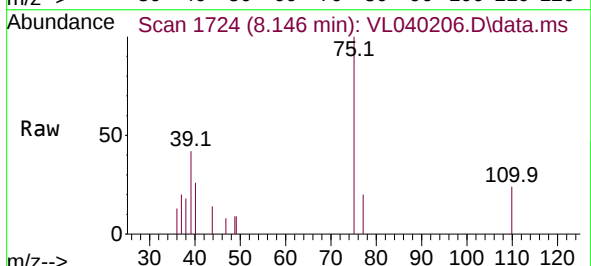
Tgt Ion: 75 Resp: 5665

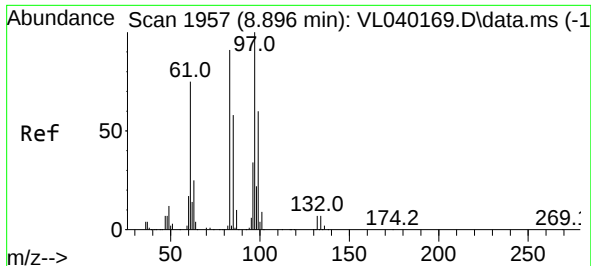
Ion Ratio Lower Upper

75 100

39 41.7 54.2 81.2#

77 19.9 26.0 39.0#





#47

1,1,2-Trichloroethane

Concen: 0.097 ppbv m

RT: 8.909 min Scan# 1957

Delta R.T. -0.016 min

Lab File: VL040206.D

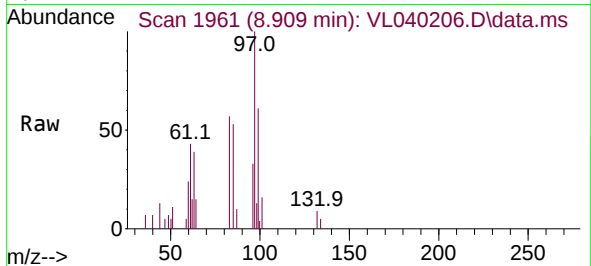
Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion: 97 Resp: 685

Ion Ratio Lower Upper

97 100

83 57.2 72.8 109.2

85 52.8 46.6 69.8

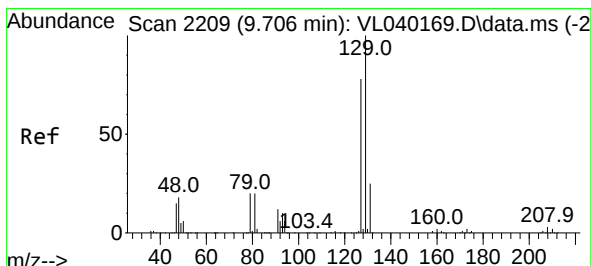
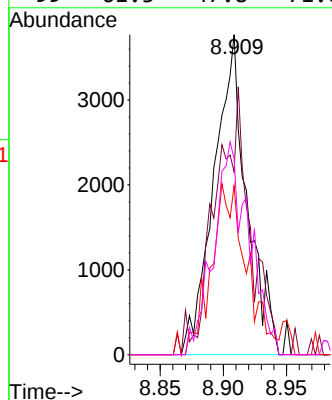
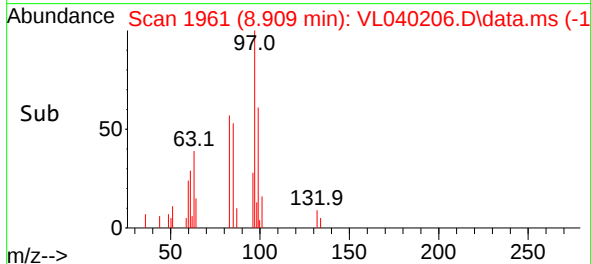
99 61.3 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#48

Dibromochloromethane

Concen: 0.070 ppbv m

RT: 9.722 min Scan# 2214

Delta R.T. -0.013 min

Lab File: VL040206.D

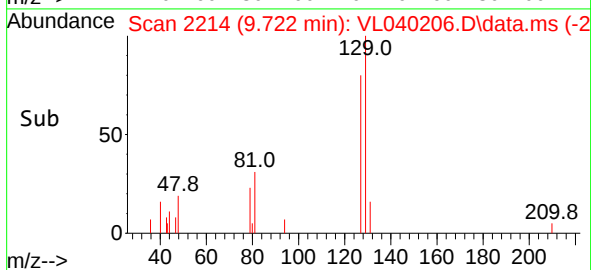
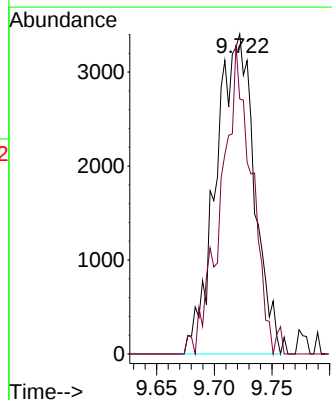
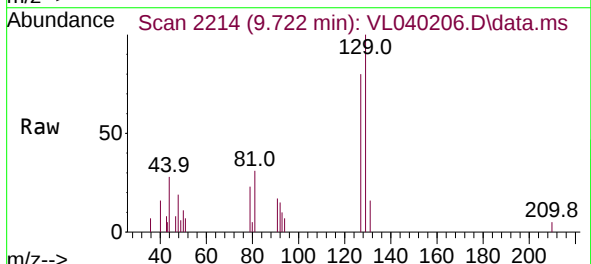
Acq: 21 Feb 2023 22:23

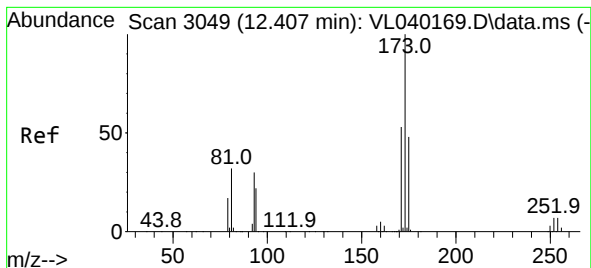
Tgt Ion:129 Resp: 7870

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2





#49

Bromoform

Concen: 0.066 ppbv m

RT: 12.413 min Scan# 3049

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

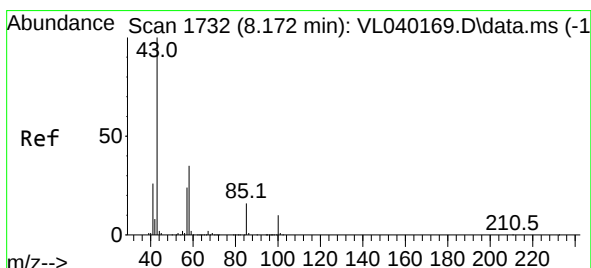
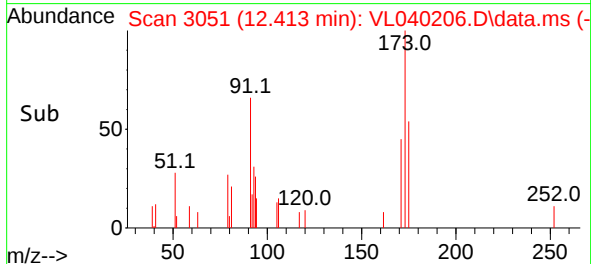
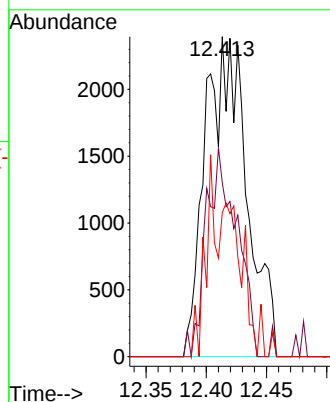
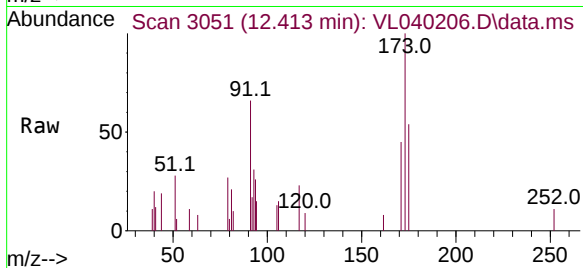
LOQ-AIR-02-QT1-2023

Tgt Ion:173	Resp:	576
Ion Ratio	Lower	Upper
173	100	
175	0.0	39.4
171	41.6	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: 0.073 ppbv m

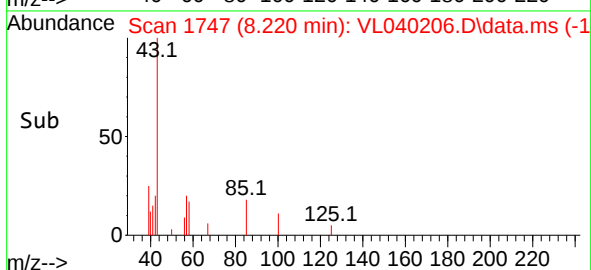
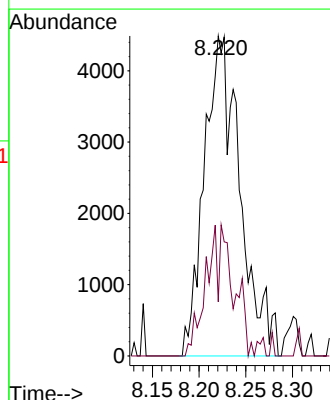
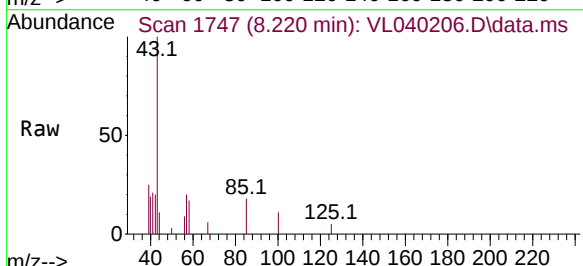
RT: 8.220 min Scan# 1747

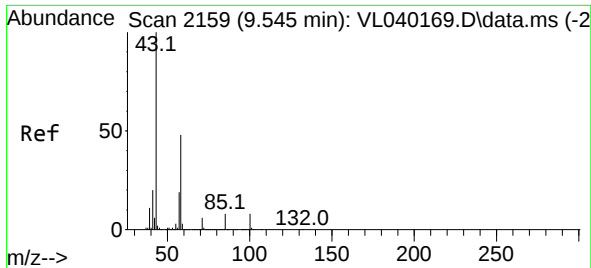
Delta R.T. 0.019 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

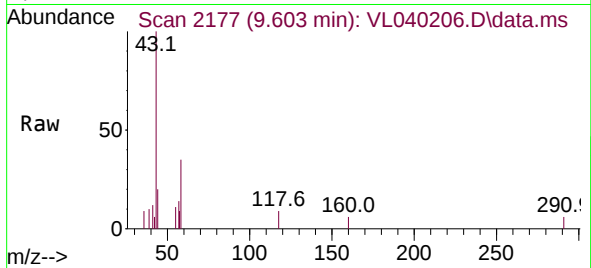
Tgt Ion: 43	Resp:	12002
Ion Ratio	Lower	Upper
43	100	
58	0.0	29.2





#51
2-Hexanone
Concen: 0.066 ppbv m
RT: 9.603 min Scan# 2159
Delta R.T. 0.029 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

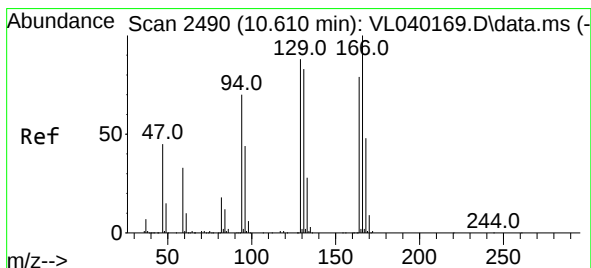
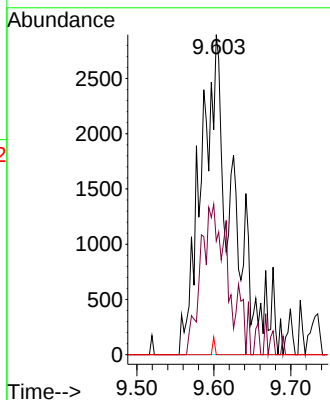
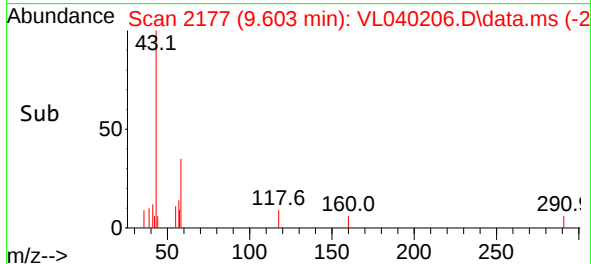
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 43 Resp: 8300
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.2 0.4

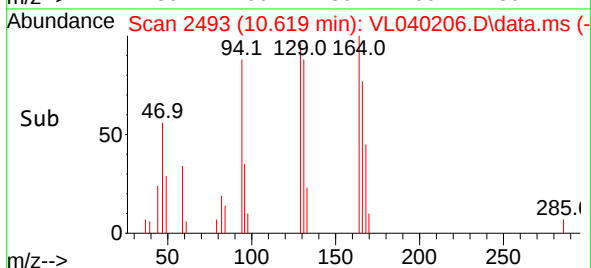
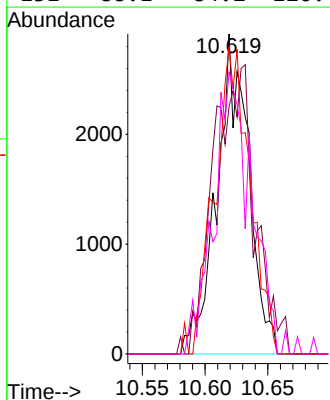
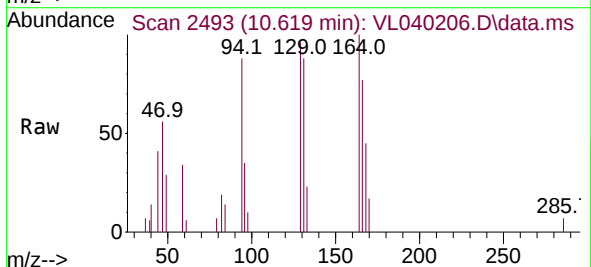
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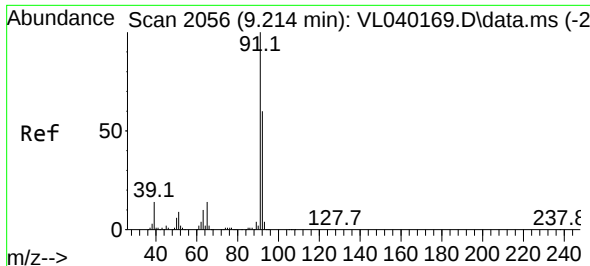
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Tetrachloroethene
Concen: 0.099 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.023 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

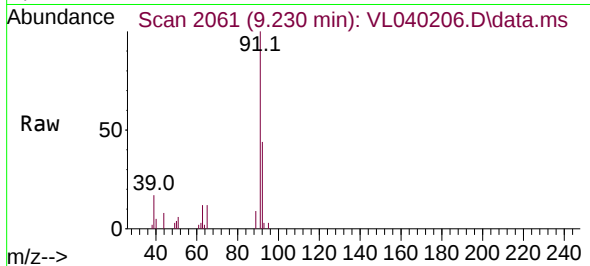
Tgt Ion:164 Resp: 5182
Ion Ratio Lower Upper
164 100
166 77.4 101.5 152.3
129 95.9 89.0 133.4
131 88.1 84.2 126.4





#53
Toluene
Concen: 0.068 ppbv m
RT: 9.230 min Scan# 2056
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

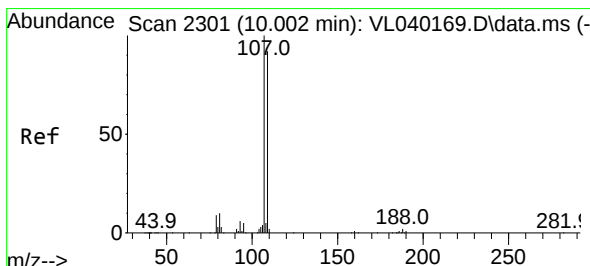
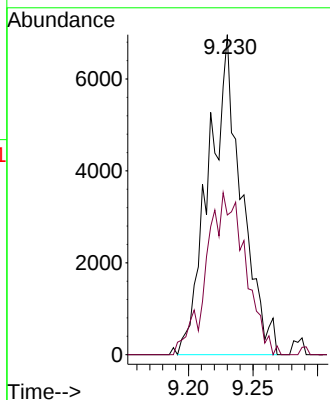
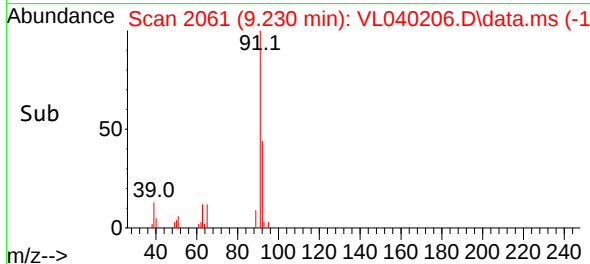
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



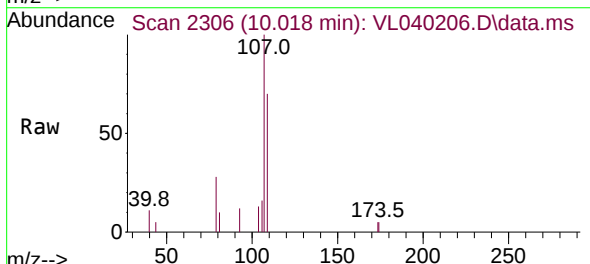
Tgt Ion: 91 Resp: 12254
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3

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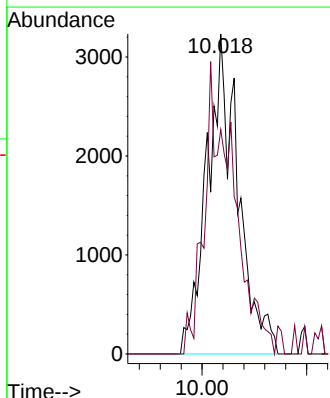
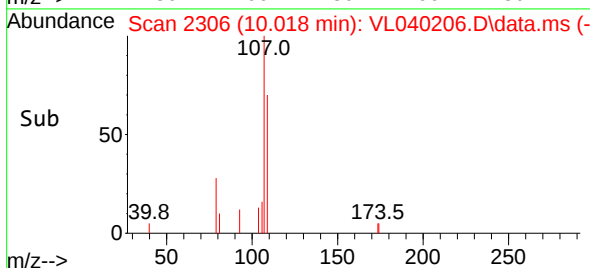
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

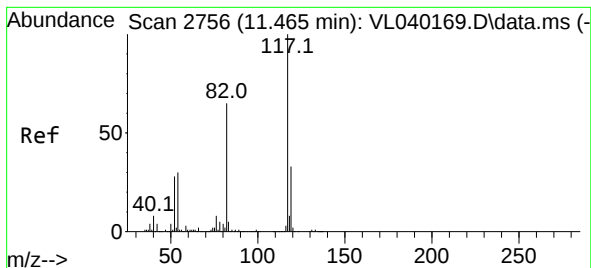


#54
1,2-Dibromoethane
Concen: 0.091 ppbv m
RT: 10.018 min Scan# 2306
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



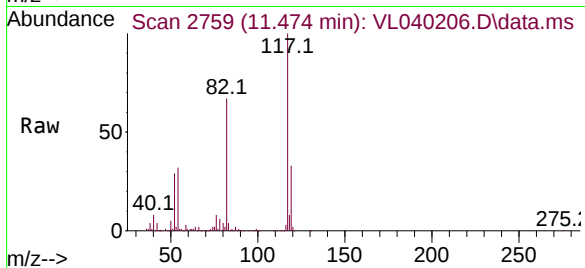
Tgt Ion:107 Resp: 6662
Ion Ratio Lower Upper
107 100
109 70.1 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

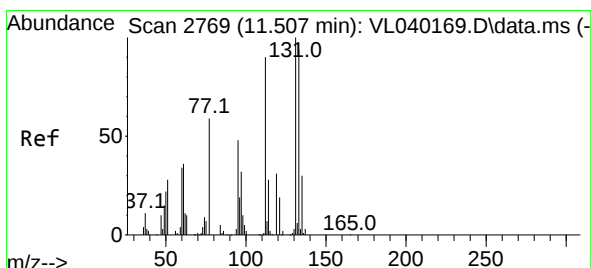
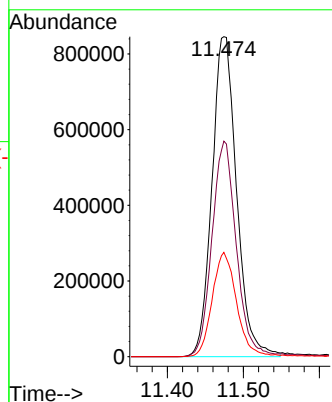
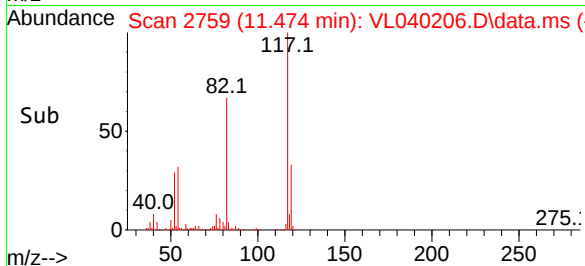
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:117 Resp: 190303
Ion Ratio Lower Upper
117 100
82 67.2 53.3 79.9
119 32.5 24.6 37.0

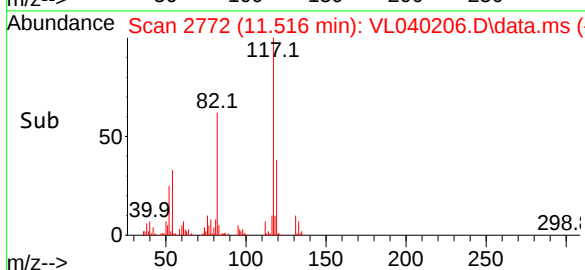
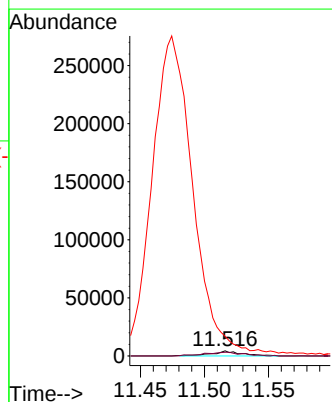
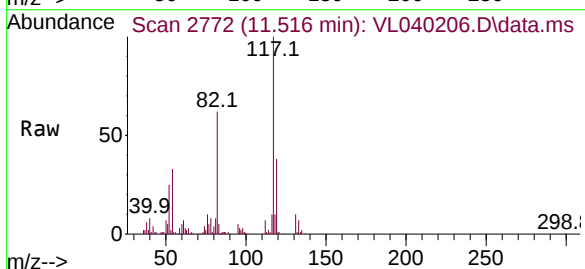
Manual Integrations
APPROVED

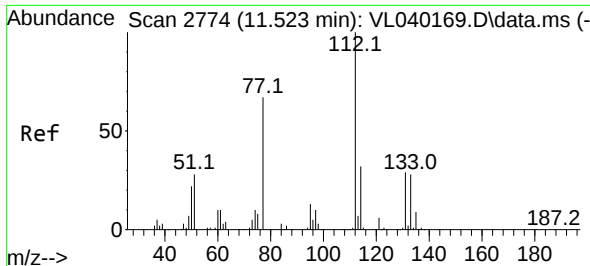
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.085 ppbv m
RT: 11.516 min Scan# 2772
Delta R.T. -0.023 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:131 Resp: 6806
Ion Ratio Lower Upper
131 100
133 100.9 76.2 114.2
119 0.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.097 ppbv m

RT: 11.542 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

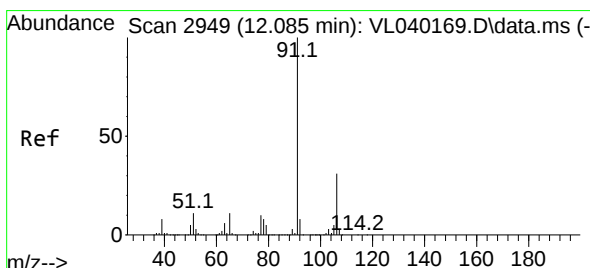
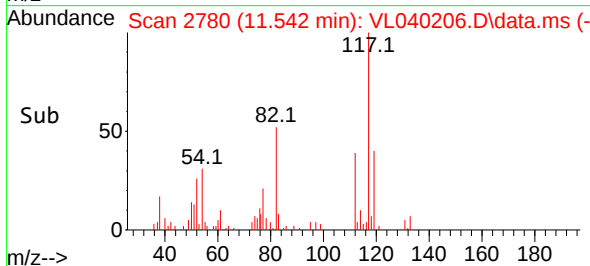
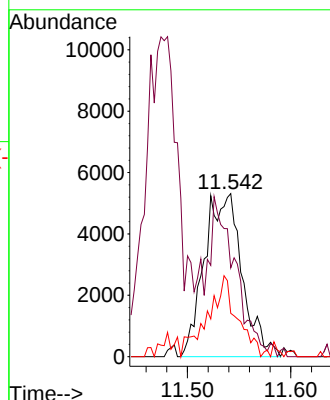
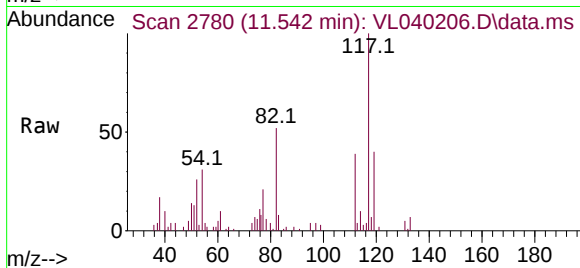
Tgt Ion:	112	Resp:	1344
Ion Ratio	Lower	Upper	
112	100		
77	54.4	55.0	82.4
114	26.6	29.0	35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#58

Ethyl Benzene

Concen: 0.063 ppbv m

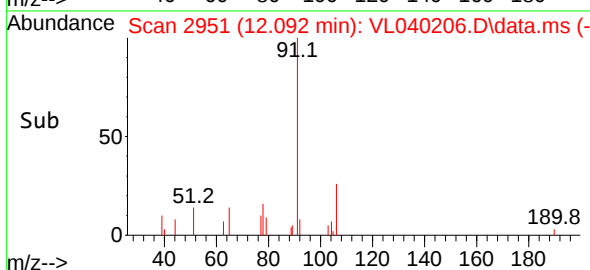
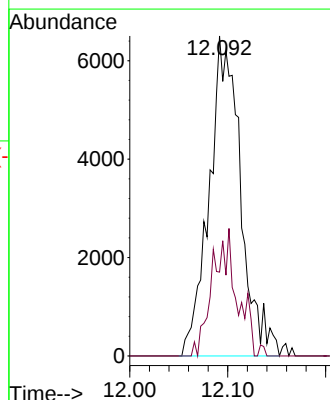
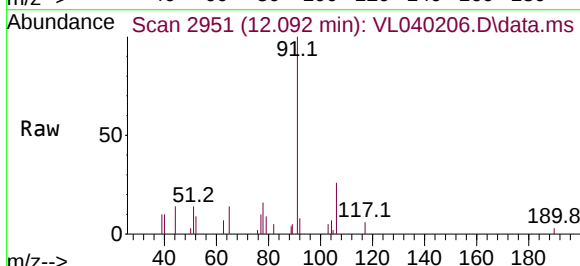
RT: 12.092 min Scan# 2951

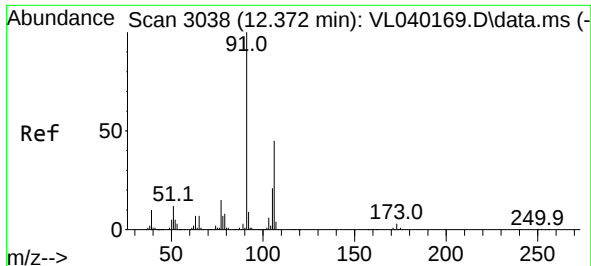
Delta R.T. -0.026 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Tgt Ion:	91	Resp:	14500
Ion Ratio	Lower	Upper	
91	100		
106	26.2	24.9	37.3





#59

m/p-Xylene

Concen: 0.116 ppbv m

RT: 12.391 min Scan# 3044

Delta R.T. -0.007 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

Tgt Ion: 91 Resp: 2378

Ion Ratio Lower Upper

91 100

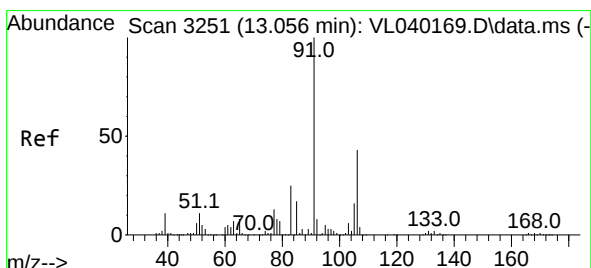
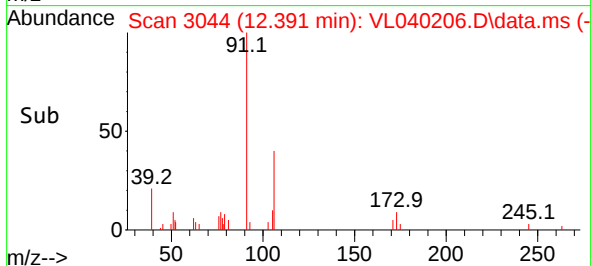
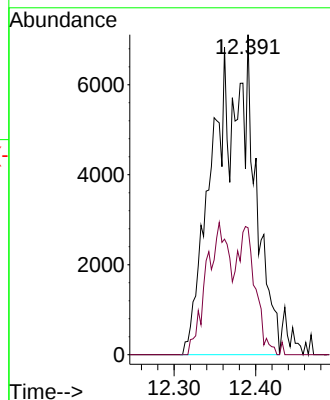
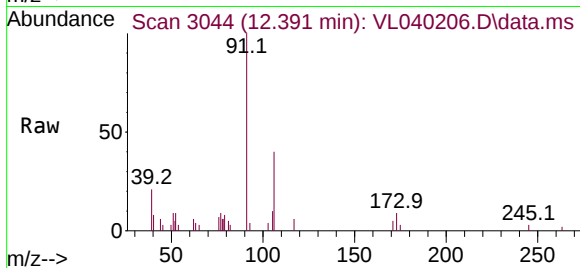
106 0.0 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#60

o-Xylene

Concen: 0.059 ppbv m

RT: 13.063 min Scan# 3253

Delta R.T. -0.023 min

Lab File: VL040206.D

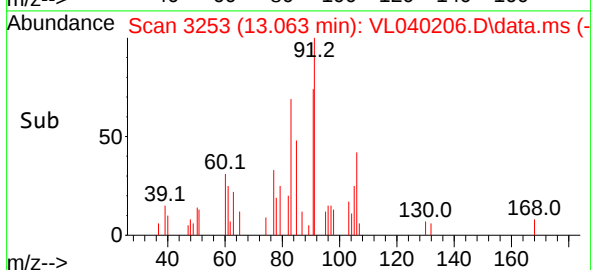
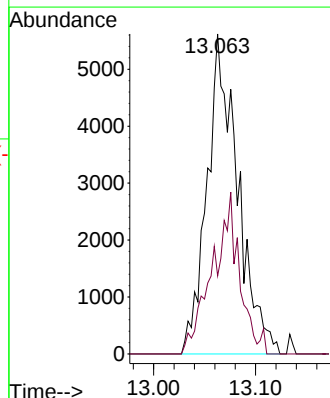
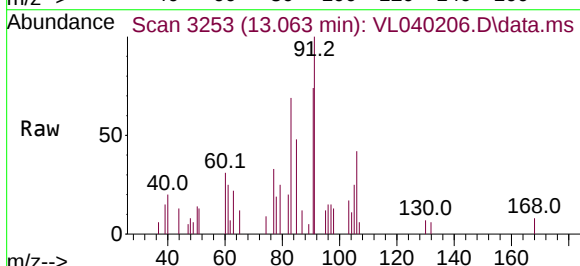
Acq: 21 Feb 2023 22:23

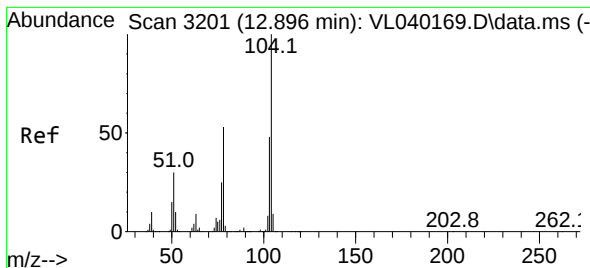
Tgt Ion: 91 Resp: 11720

Ion Ratio Lower Upper

91 100

106 0.0 21.6 65.0





#61

Styrene

Concen: 0.048 ppbv m

RT: 12.905 min Scan# 31

Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023

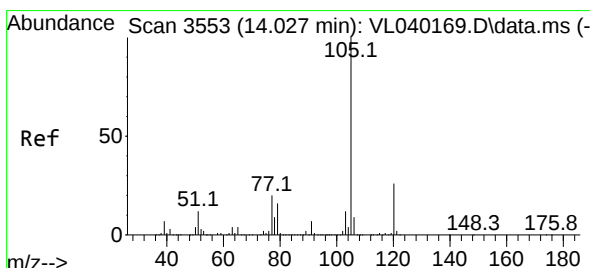
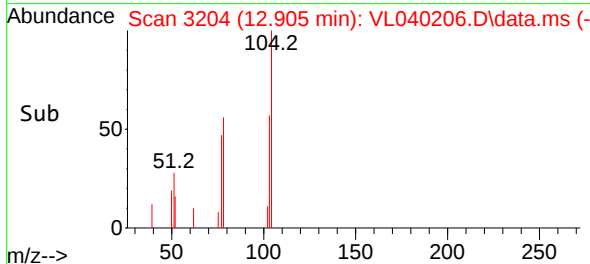
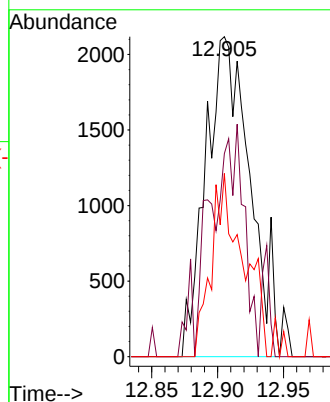
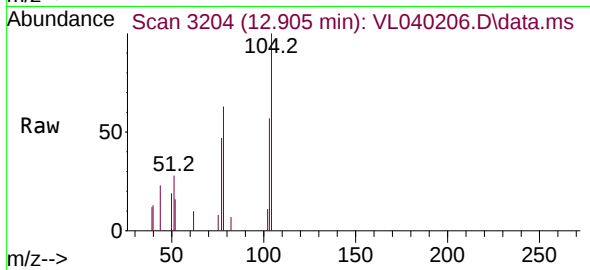
Tgt Ion:104	Resp:	4930
Ion Ratio	Lower	Upper
104	100	
78	0.0	42.3 63.5
103	42.2	37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023



#62

Isopropylbenzene

Concen: 0.074 ppbv m

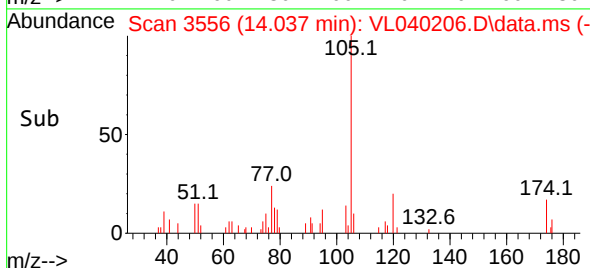
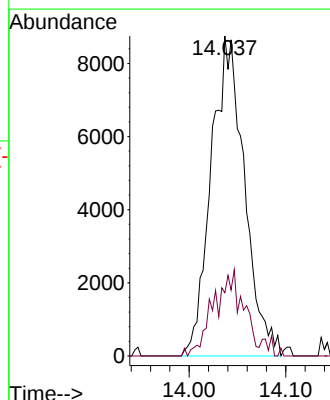
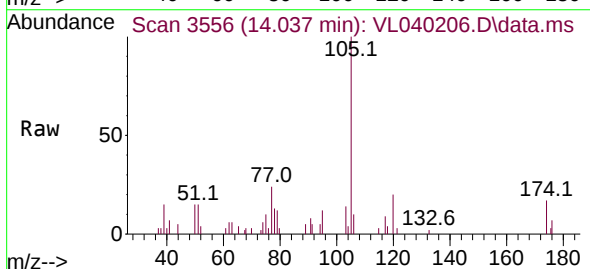
RT: 14.037 min Scan# 3556

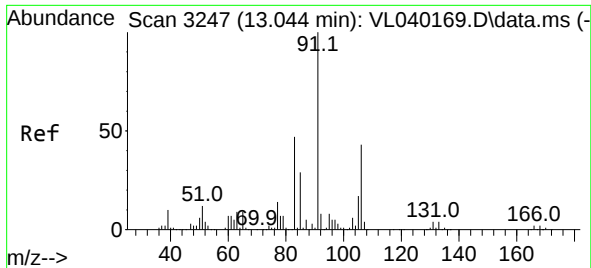
Delta R.T. -0.023 min

Lab File: VL040206.D

Acq: 21 Feb 2023 22:23

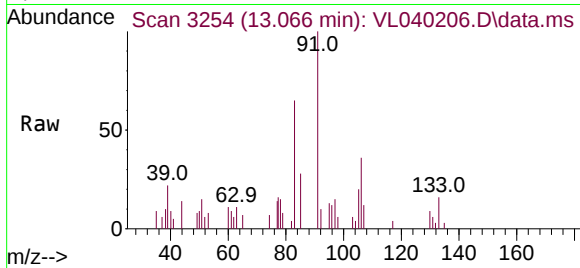
Tgt Ion:105	Resp:	20899
Ion Ratio	Lower	Upper
105	100	
120	0.0	20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.093 ppbv m
RT: 13.066 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

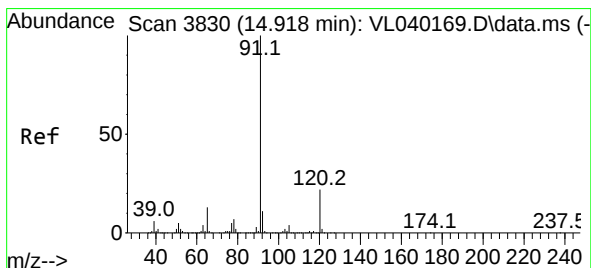
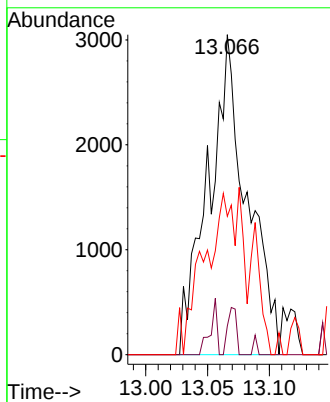
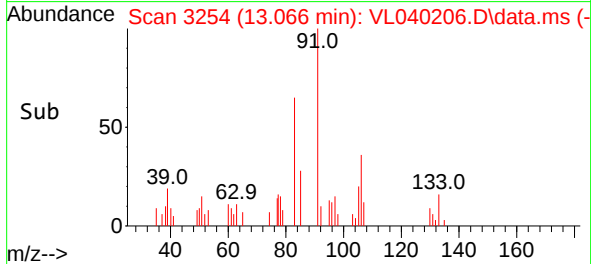
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



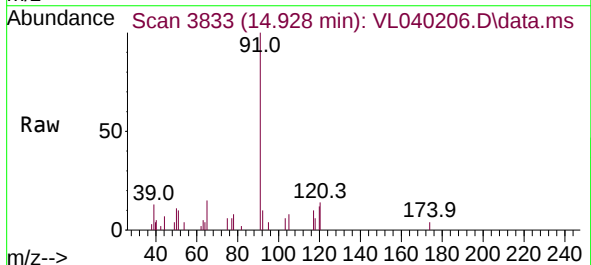
Tgt Ion: 83 Resp: 661
Ion Ratio Lower Upper
83 100
131 6.4 4.4 13.2
85 0.0 33.0 99.0

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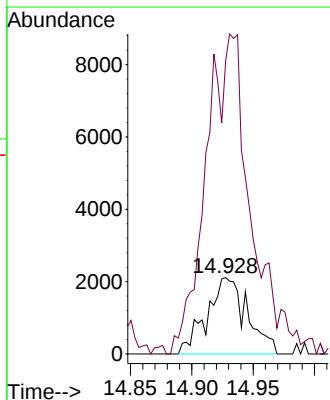
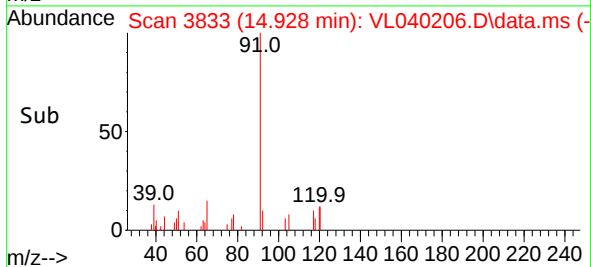
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

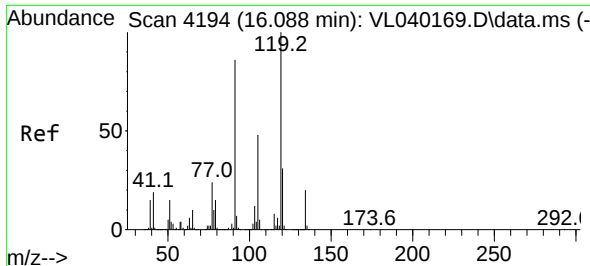


#64
n-propylbenzene
Concen: 0.069 ppbv m
RT: 14.928 min Scan# 3833
Delta R.T. -0.023 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



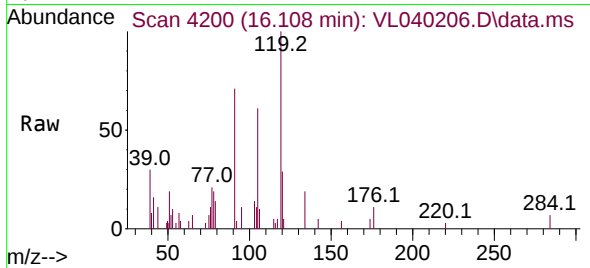
Tgt Ion:120 Resp: 4842
Ion Ratio Lower Upper
120 100
91 55.6 389.8 584.8#





#65
tert-Butylbenzene
Concen: 0.059 ppbv m
RT: 16.108 min Scan# 4194
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

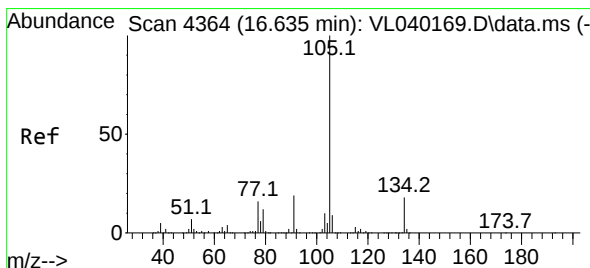
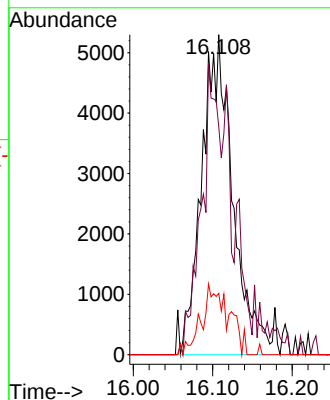
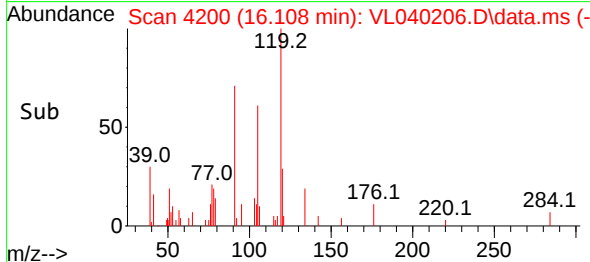
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:119 Resp: 1453
Ion Ratio Lower Upper
119 100
91 92.7 68.6 102.8
134 19.0 15.9 23.9

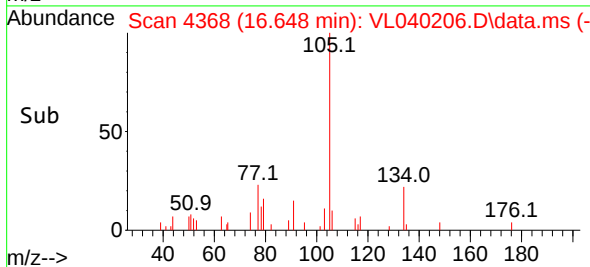
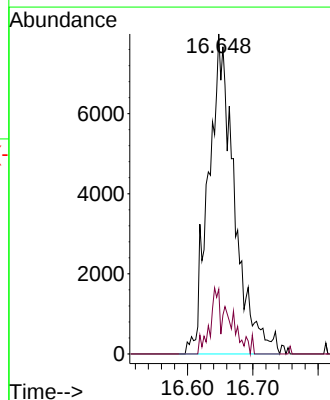
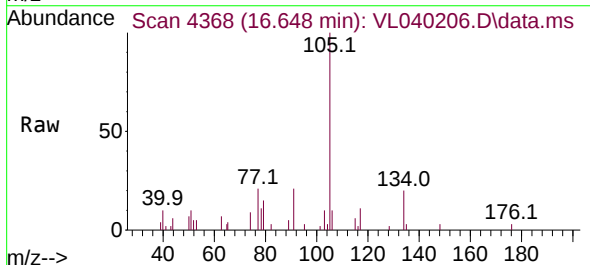
Manual Integrations
APPROVED

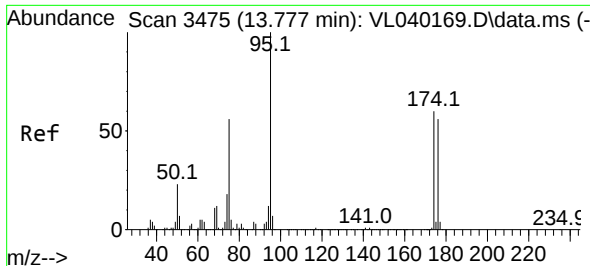
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#67
sec-Butylbenzene
Concen: 0.062 ppbv m
RT: 16.648 min Scan# 4368
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

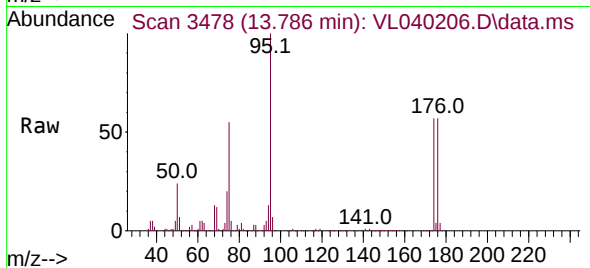
Tgt Ion:105 Resp: 22015
Ion Ratio Lower Upper
105 100
134 15.5 14.1 21.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.050 ppbv
RT: 13.786 min Scan# 3475
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

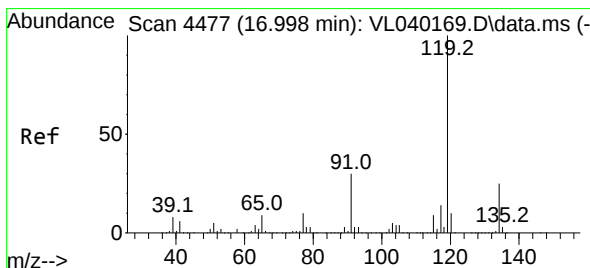
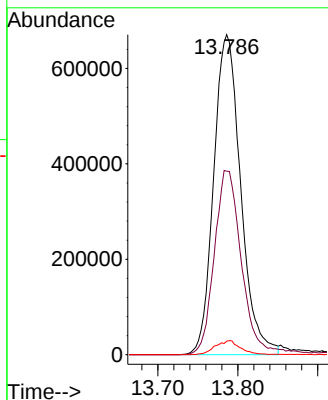
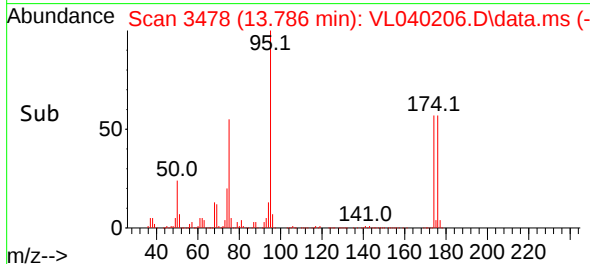
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion: 95 Resp: 157269
Ion Ratio Lower Upper
95 100
174 59.3 48.2 72.2
175 4.2 3.4 5.2

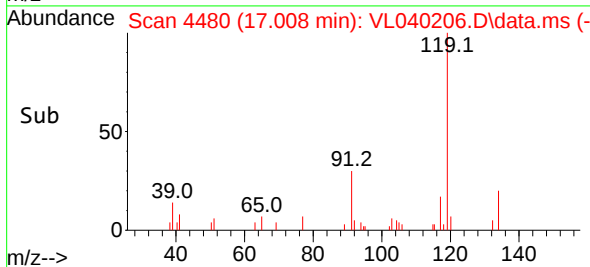
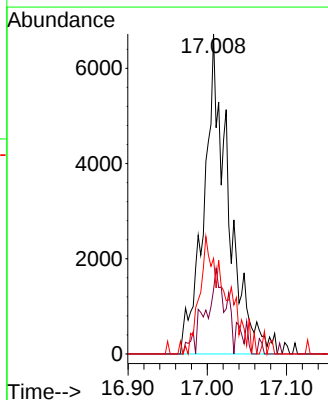
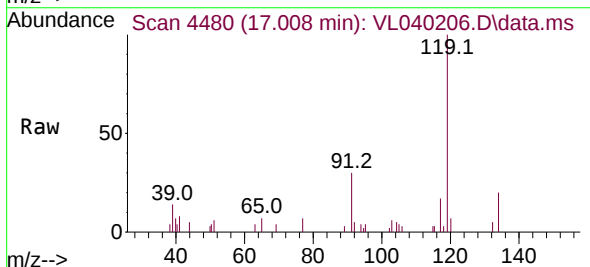
Manual Integrations
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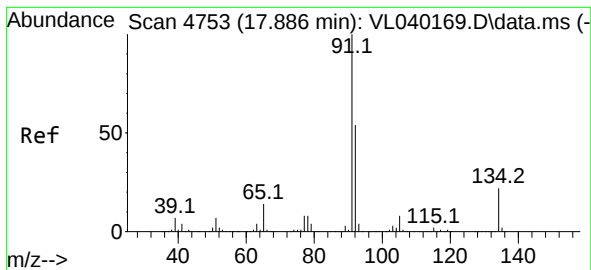
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#69
p-Isopropyltoluene
Concen: 0.052 ppbv m
RT: 17.008 min Scan# 4480
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:119 Resp: 14547
Ion Ratio Lower Upper
119 100
134 0.0 20.2 30.2#
91 39.2 24.7 37.1#





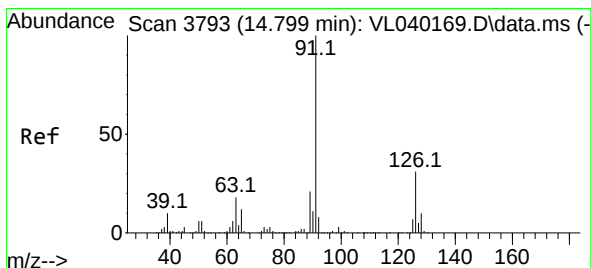
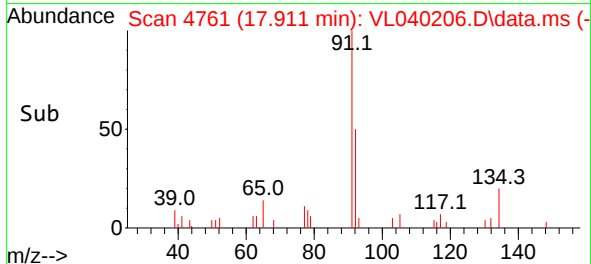
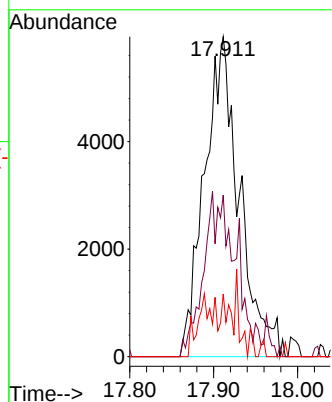
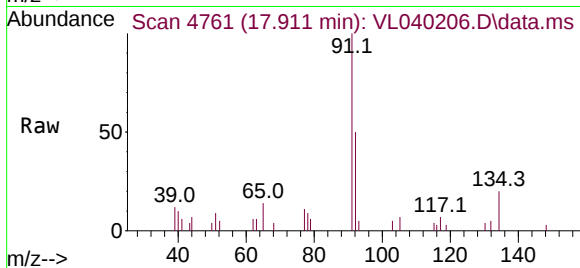
#70
n-Butylbenzene
Concen: 0.056 ppbv m
RT: 17.911 min Scan# 4753
Delta R.T. -0.007 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

Tgt Ion: 91 Resp: 1710
Ion Ratio Lower Upper
91 100
92 50.1 43.0 64.6
134 7.2 16.9 25.3

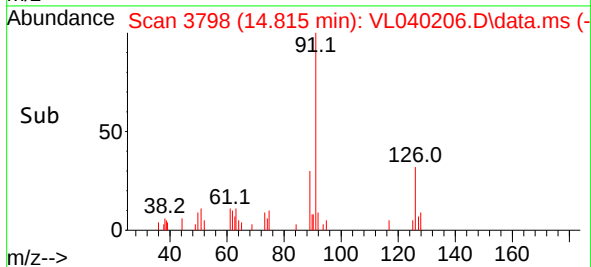
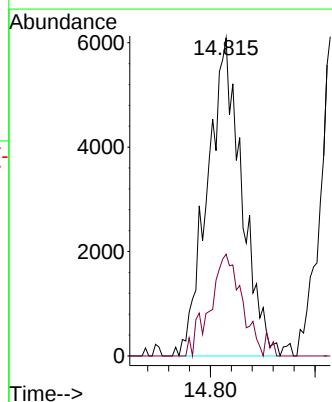
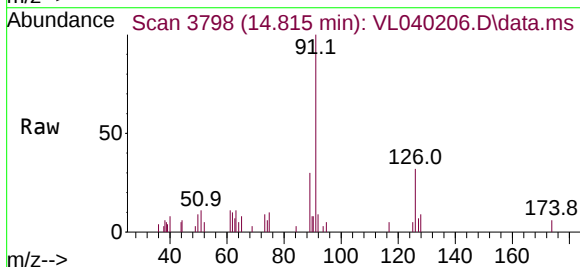
Manual Integrations
APPROVED

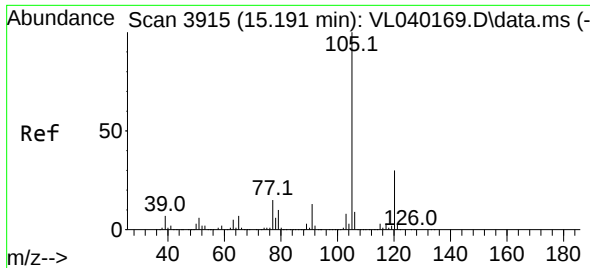
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#71
2-Chlorotoluene
Concen: 0.064 ppbv m
RT: 14.815 min Scan# 3798
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

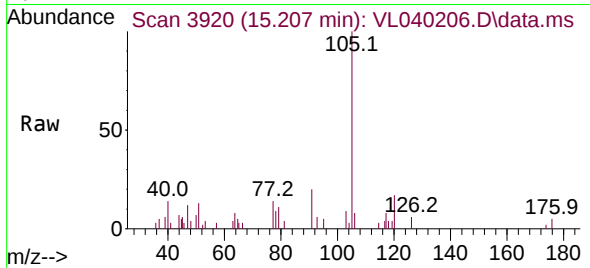
Tgt Ion: 91 Resp: 13820
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#





#72
4-Ethyltoluene
Concen: 0.057 ppbv m
RT: 15.207 min Scan# 3920
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

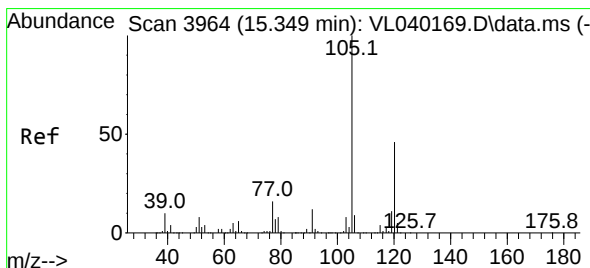
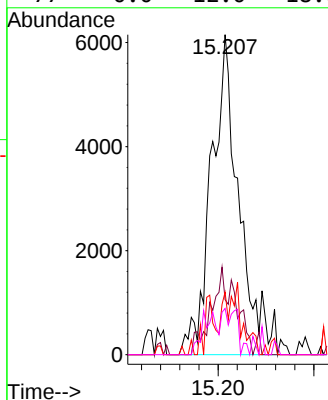
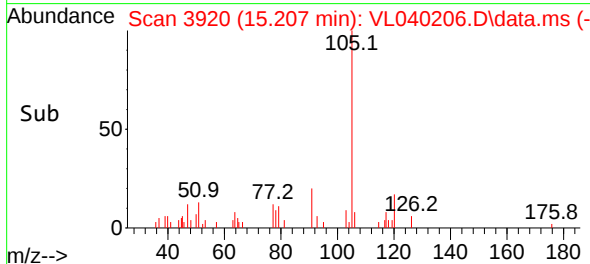
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:105 Resp: 12310
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8
91 0.0 11.3 16.9
77 0.0 12.0 18.0#

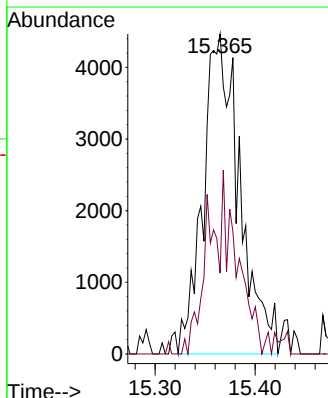
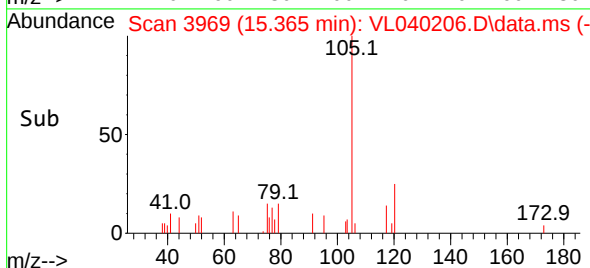
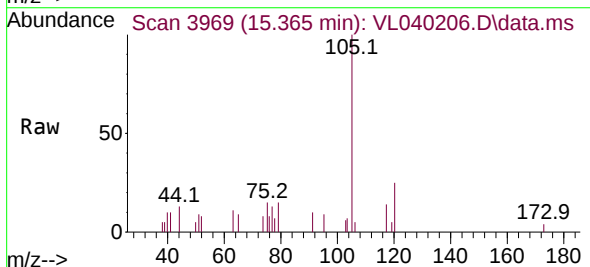
Manual Integrations
APPROVED

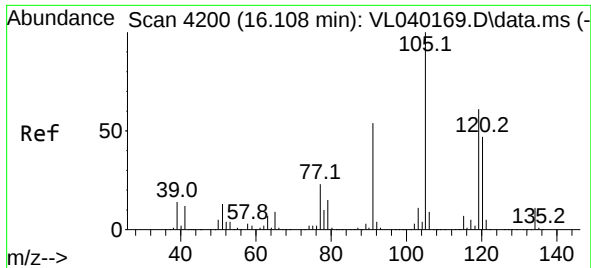
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.056 ppbv m
RT: 15.365 min Scan# 3969
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

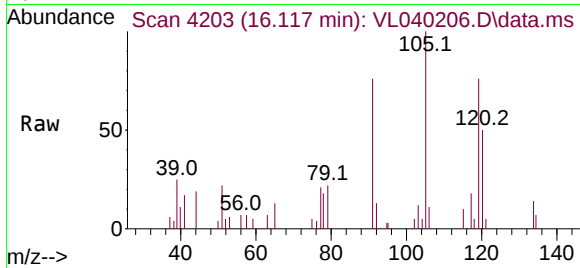
Tgt Ion:105 Resp: 11322
Ion Ratio Lower Upper
105 100
120 25.3 36.8 55.2#





#74
1,2,4-Trimethylbenzene
Concen: 0.058 ppbv m
RT: 16.117 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

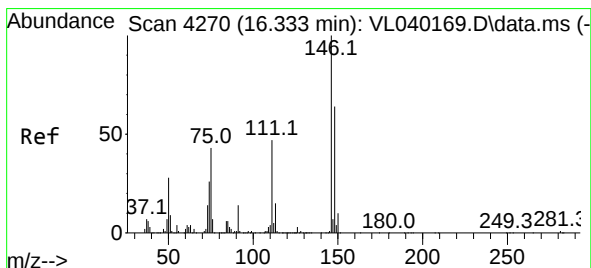
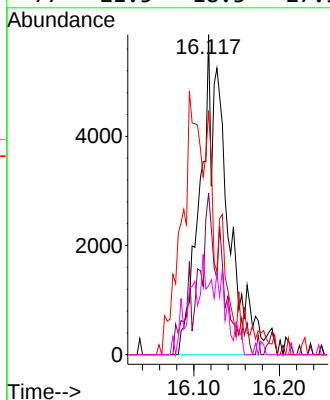
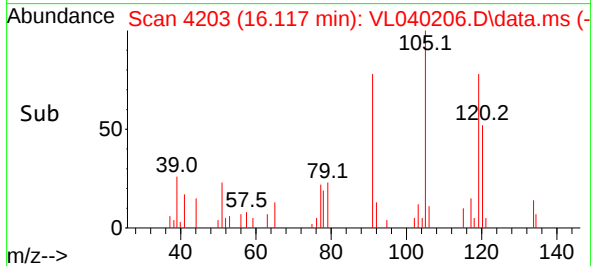
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



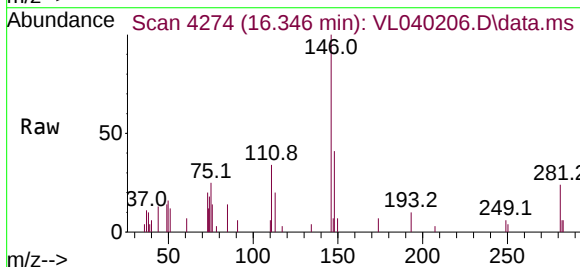
Tgt Ion:105 Resp: 1296
Ion Ratio Lower Upper
105 100
120 50.5 37.9 56.9
91 76.2 43.7 65.5
77 21.5 18.3 27.5

Manual Integrations
APPROVED

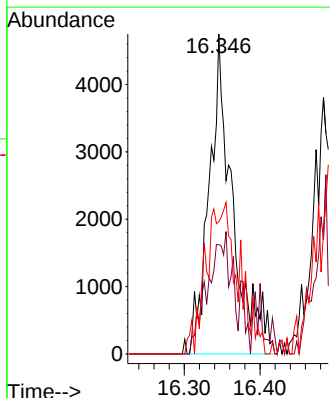
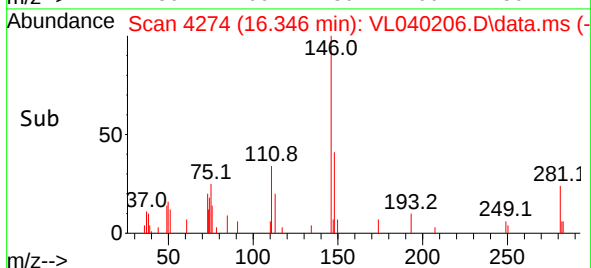
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023

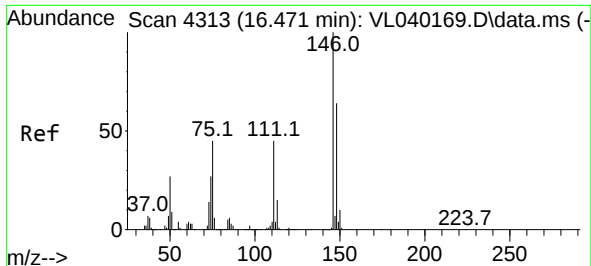


#75
1,3-Dichlorobenzene
Concen: 0.084 ppbv m
RT: 16.346 min Scan# 4274
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23



Tgt Ion:146 Resp: 10254
Ion Ratio Lower Upper
146 100
111 0.0 23.9 71.8#
148 0.0 32.1 96.5#





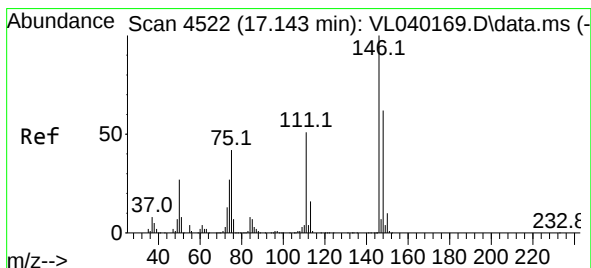
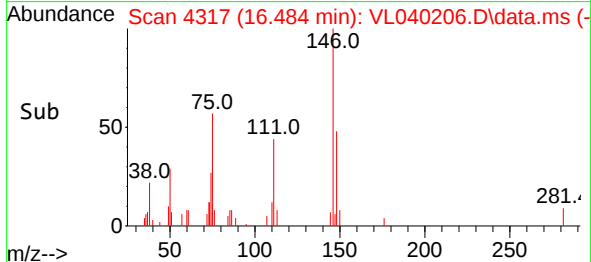
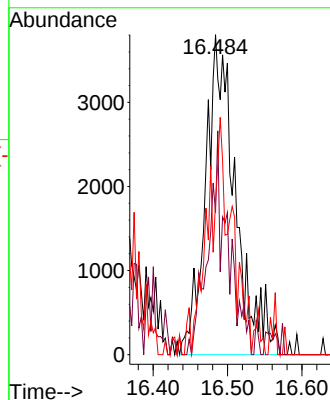
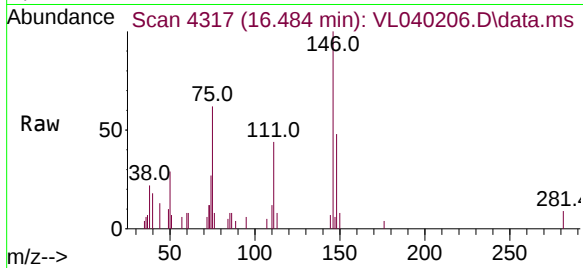
#76
1,4-Dichlorobenzene
Concen: 0.089 ppbv m
RT: 16.484 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

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

Tgt Ion:146 Resp: 1058
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5
148 0.0 32.5 97.4

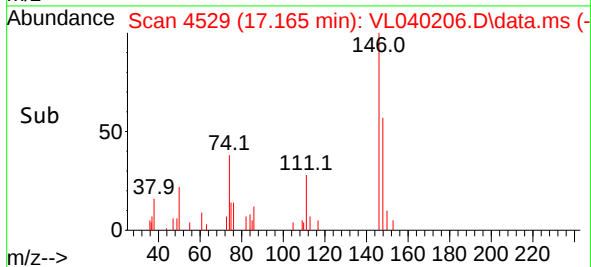
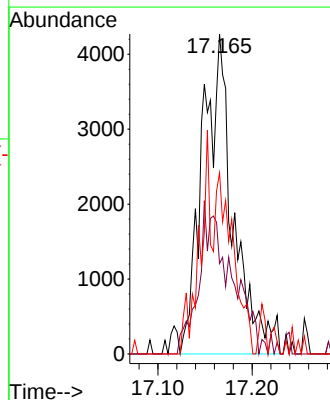
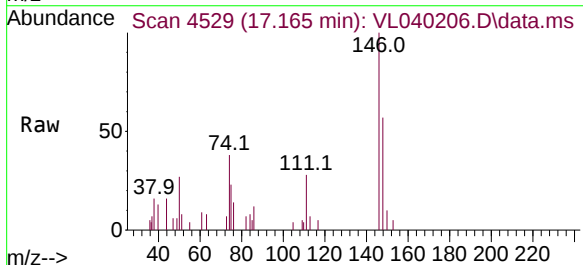
Manual Integrations
APPROVED

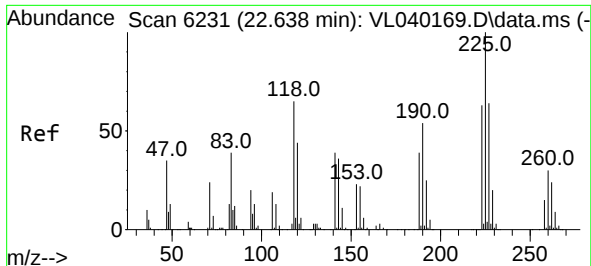
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#77
1,2-Dichlorobenzene
Concen: 0.081 ppbv m
RT: 17.165 min Scan# 4529
Delta R.T. -0.013 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

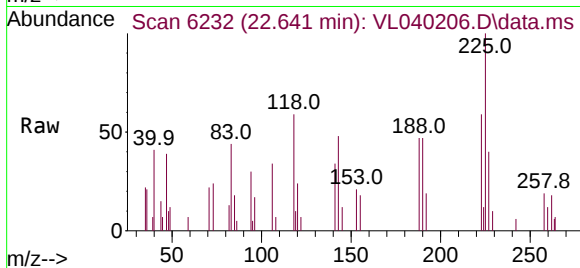
Tgt Ion:146 Resp: 9757
Ion Ratio Lower Upper
146 100
111 51.5 25.3 75.8
148 58.3 32.0 96.2





#78
Hexachloro-1,3-Butadiene
Concen: 0.097 ppbv m
RT: 22.641 min Scan# 61
Delta R.T. -0.026 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

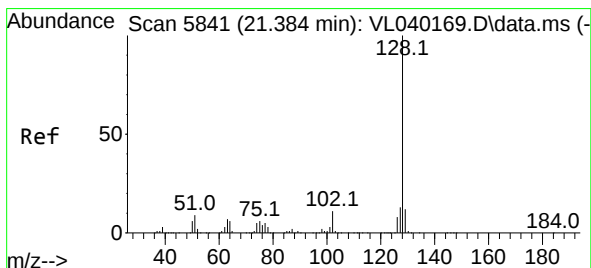
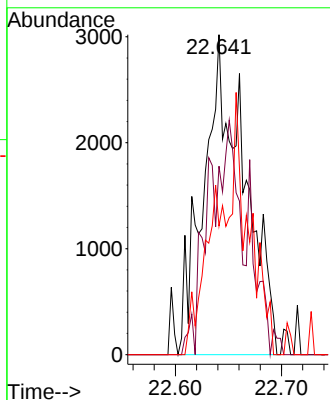
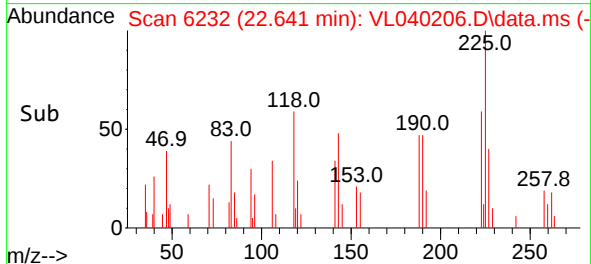
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2023



Tgt Ion:225 Resp: 804
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6
227 0.0 51.2 76.8

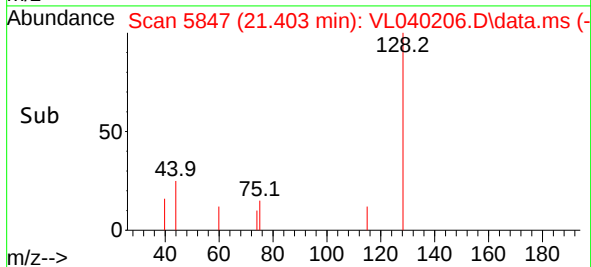
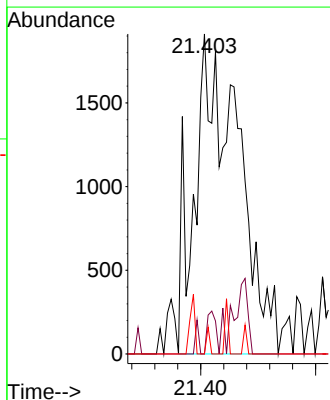
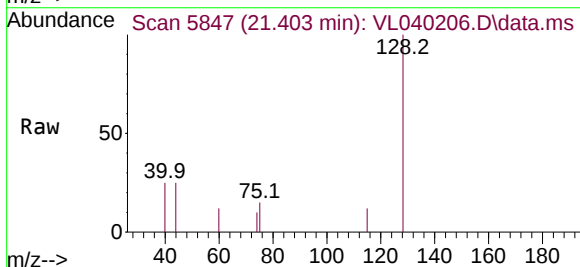
Manual Integrations
APPROVED

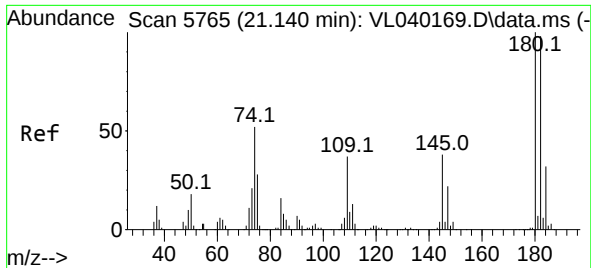
Reviewed By :Semsettin Yesilyurt 02/22/2023
Supervised By :Mahesh Dadoda 02/23/2023



#79
Naphthalene
Concen: 0.040 ppbv m
RT: 21.403 min Scan# 5847
Delta R.T. -0.016 min
Lab File: VL040206.D
Acq: 21 Feb 2023 22:23

Tgt Ion:128 Resp: 5018
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 9.4 14.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.055 ppbv m

RT: 21.165 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040206.D

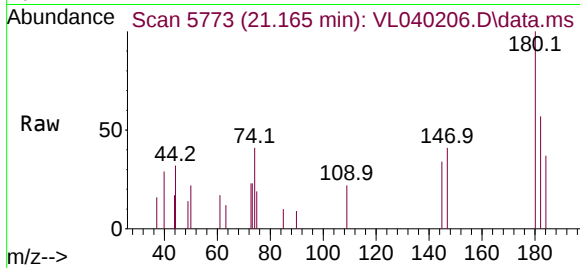
Acq: 21 Feb 2023 22:23

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2023



Tgt Ion:180 Resp: 4300

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6

184 0.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/22/2023

Supervised By :Mahesh Dadoda 02/23/2023

