

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041652.D
 Acq On : 10 Oct 2024 21:21
 Operator : SY/MD
 Sample : P4368-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024

Quant Time: Oct 11 05:44:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/11/2024
 Supervised By : Mahesh Dadoda 10/14/2024

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

Internal Standards						
1) Bromochloromethane	5.173	49	990883	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2738409	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2461624	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1885915	10.407	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	93632m	0.654	ppbv	
3) Chlorodifluoromethane	2.652	51	65887	0.548	ppbv	95
4) Chloromethane	2.790	50	35876	0.543	ppbv	95
5) Vinyl Chloride	2.899	62	28836	0.504	ppbv	97
6) Bromomethane	3.099	94	15843m	0.556	ppbv	
7) Chloroethane	3.176	64	11327	0.509	ppbv	95
8) Dichlorotetrafluoroethane	2.832	85	81094	0.540	ppbv	98
9) Propene	2.671	41	24810m	0.489	ppbv	
10) Heptane	7.565	43	46886m	0.395	ppbv	
11) Trichlorofluoromethane	3.539	101	80278	0.527	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.047	101	58952	0.535	ppbv	100
13) Ethanol	3.259	45	1016m	0.267	ppbv	
14) Bromoethene	3.343	108	18092	0.433	ppbv #	85
15) Acetone	3.462	43	71733	0.577	ppbv	96
16) 1,3-Butadiene	2.960	39	25969	0.429	ppbv	100
17) tert-Butyl alcohol	3.877	59	43409m	0.397	ppbv	
18) 1,1-Dichloroethene	3.861	96	21948	0.470	ppbv	93
19) Isopropyl Alcohol	3.581	45	22953m	0.360	ppbv	
20) Methylene Chloride	3.912	84	25234	0.540	ppbv #	90
21) Allyl Chloride	3.976	41	32457	0.450	ppbv	92
22) trans-1,2-Dichloroethene	4.427	96	23452	0.504	ppbv	97
23) Vinyl Acetate	4.619	43	28661	0.419	ppbv #	85
24) 1,1-Dichloroethane	4.542	63	53983	0.526	ppbv #	96
25) Ethyl Acetate	5.198	43	96780	0.433	ppbv #	95
26) Hexane	5.192	57	38843	0.417	ppbv #	80
27) Carbon Disulfide	4.105	76	41201m	0.416	ppbv	
28) Methyl tert-Butyl Ether	4.581	73	25023	0.436	ppbv	98
29) Chloroform	5.253	83	78772	0.517	ppbv	96
30) Cyclohexane	6.590	84	26876m	0.374	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	36237	0.410	ppbv	95
32) 1,1,1-Trichloroethane	5.986	97	71654	0.528	ppbv	98
34) 2-Butanone	4.787	43	54816	0.420	ppbv	96
35) Carbon Tetrachloride	6.475	117	71225	0.530	ppbv #	89
36) Benzene	6.349	78	76899	0.404	ppbv	98
37) 1,2-Dichloroethane	5.787	62	53250	0.483	ppbv #	96
38) Trichloroethene	7.282	130	42594	0.435	ppbv	93
39) 1,2-Dichloropropane	7.053	63	34662	0.448	ppbv #	82
40) 1,4-Dioxane	7.320	88	7721m	0.265	ppbv	
41) Tetrahydrofuran	5.574	42	26424m	0.368	ppbv	
42) Bromodichloromethane	7.237	83	69081	0.450	ppbv #	95
43) Methyl Methacrylate	7.462	69	22160m	0.326	ppbv	
44) 2,2,4-Trimethylpentane	7.311	57	129448	0.393	ppbv #	86
45) t-1,3-Dichloropropene	8.696	75	16992m	0.310	ppbv	

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QLast Update : Tue Sep 17 09:12:21 2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	25200m	0.313	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	39437m	0.480	ppbv	
48) Dibromochloromethane	9.693	129	49331	0.396	ppbv	97
49) Bromoform	12.394	173	39668m	0.371	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	71737m	0.356	ppbv	
51) 2-Hexanone	9.565	43	43331m	0.284	ppbv	
52) Tetrachloroethene	10.603	164	29839m	0.433	ppbv	
53) Toluene	9.205	91	62173	0.308	ppbv	97
54) 1,2-Dibromoethane	9.995	107	41444	0.410	ppbv	85
56) 1,1,1,2-Tetrachloroethane	11.487	131	51154	0.532	ppbv #	1
57) Chlorobenzene	11.507	112	92984m	0.524	ppbv	
58) Ethyl Benzene	12.073	91	85921m	0.326	ppbv	
59) m/p-Xylene	12.352	91	169925m	0.725	ppbv	
60) o-Xylene	13.044	91	74251	0.330	ppbv	98
61) Styrene	12.886	104	23876m	0.254	ppbv	
62) Isopropylbenzene	14.021	105	147042	0.432	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	60018	0.522	ppbv	90
64) n-propylbenzene	14.905	120	34866m	0.396	ppbv	
65) tert-Butylbenzene	16.082	119	124354	0.398	ppbv	95
66) Benzyl Chloride	16.333	91	8338m	0.514	ppbv	
67) sec-Butylbenzene	16.632	105	183592	0.424	ppbv	99
69) p-Isopropyltoluene	16.989	119	127127	0.363	ppbv	96
70) n-Butylbenzene	17.886	91	137085m	0.373	ppbv	
71) 2-Chlorotoluene	14.790	91	94096	0.375	ppbv	97
72) 4-Ethyltoluene	15.182	105	90718m	0.345	ppbv	
73) 1,3,5-Trimethylbenzene	15.343	105	83064m	0.358	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	110013	0.405	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	70438m	0.414	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	74318m	0.456	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	80449m	0.479	ppbv	
78) Hexachloro-1,3-Butadiene	22.625	225	66525m	0.480	ppbv	
79) Naphthalene	21.384	128	46427m	0.232	ppbv	
80) Naphthalene,2-methyl-	24.387	142	9940	0.071	ppbv #	24
81) 1,2,4-Trichlorobenzene	21.137	180	34790m	0.274	ppbv	

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

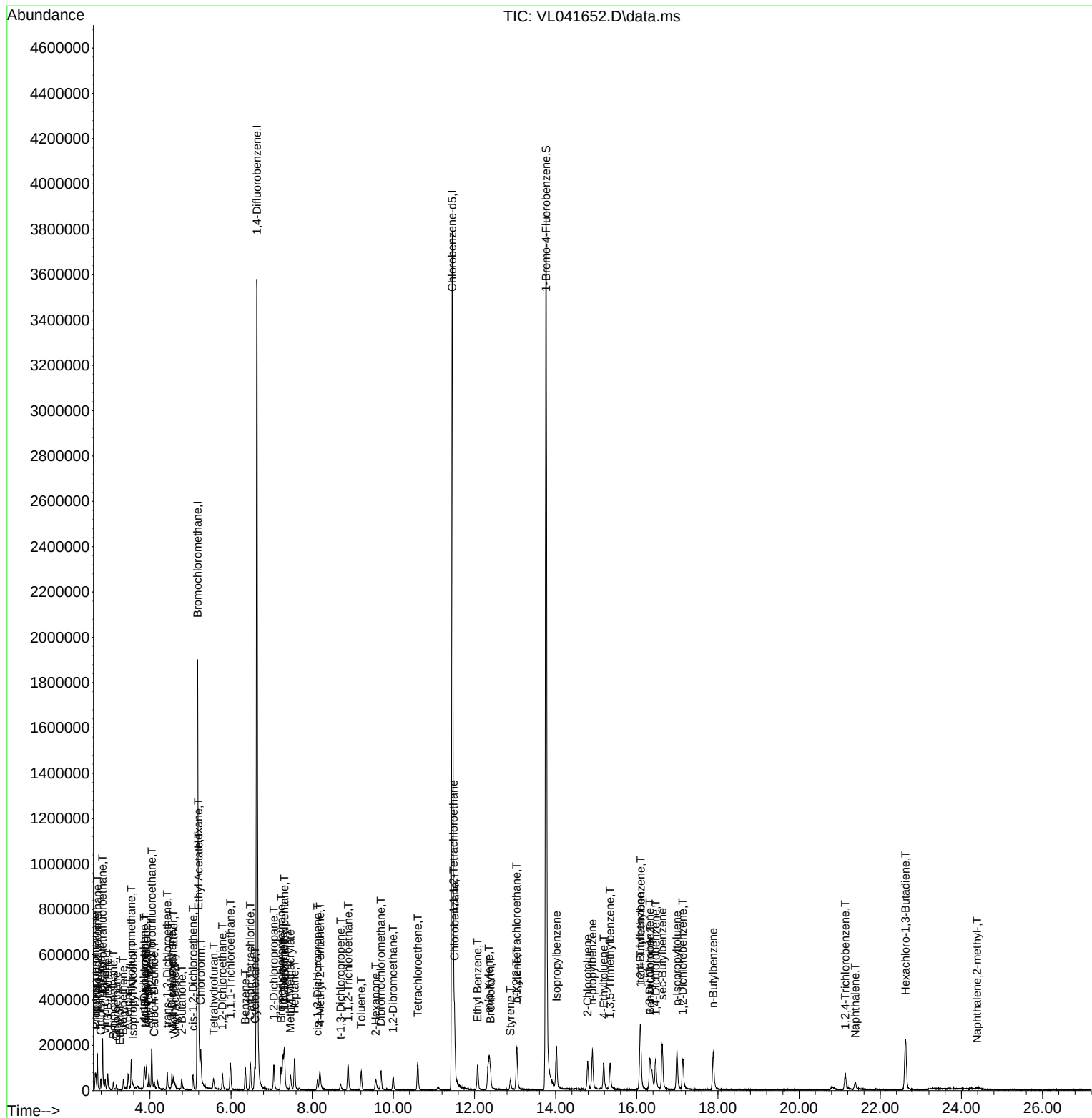
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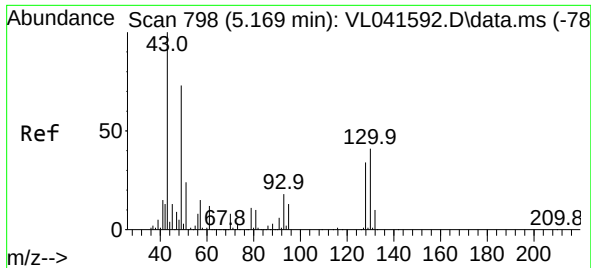
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

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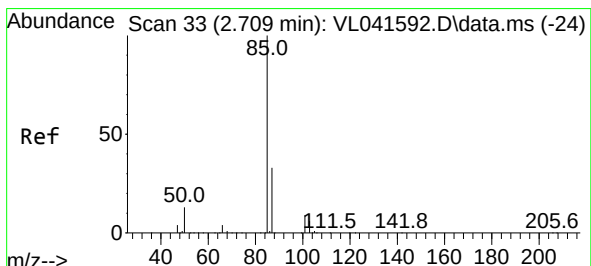
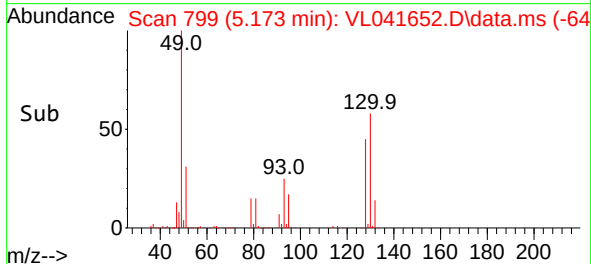
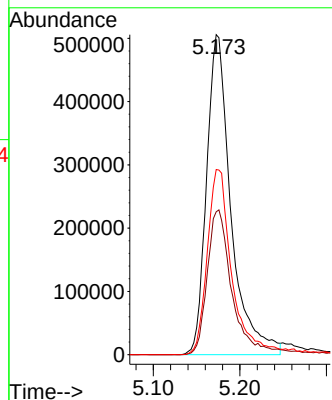
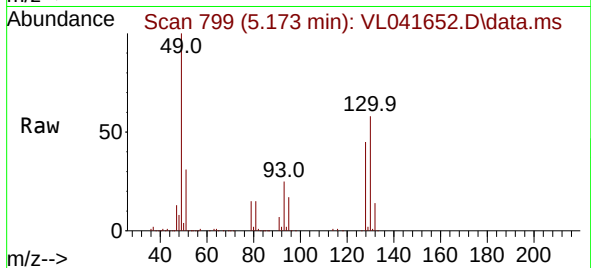
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. 0.004 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 49 Resp: 99088
Ion Ratio Lower Upper
49 100
128 47.9 23.8 71.5
130 60.2 30.4 91.3

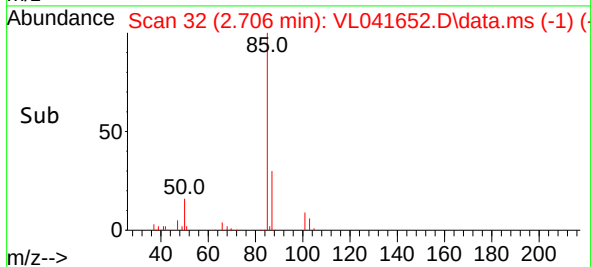
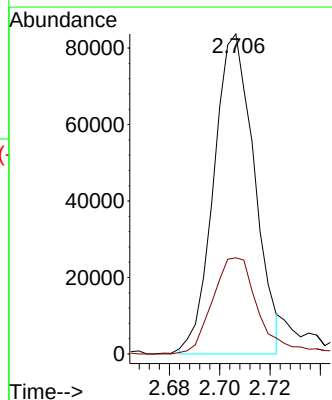
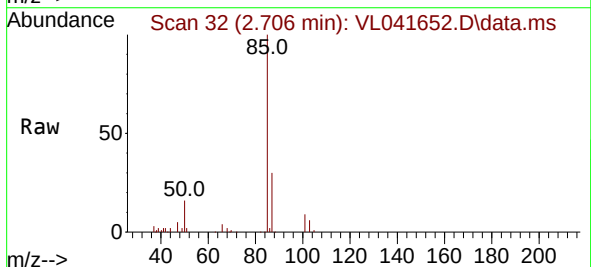
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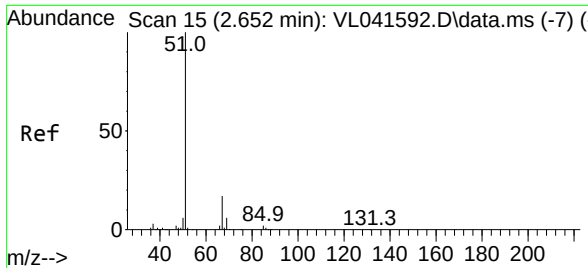
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#2
Dichlorodifluoromethane
Concen: 0.654 ppbv m
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 85 Resp: 93632
Ion Ratio Lower Upper
85 100
87 30.1 26.3 39.5





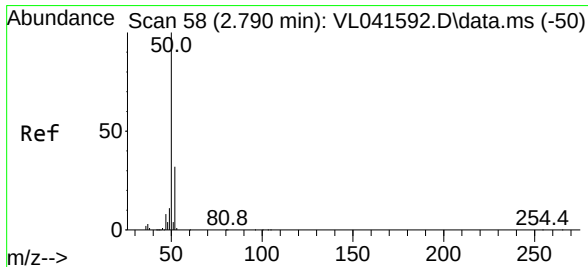
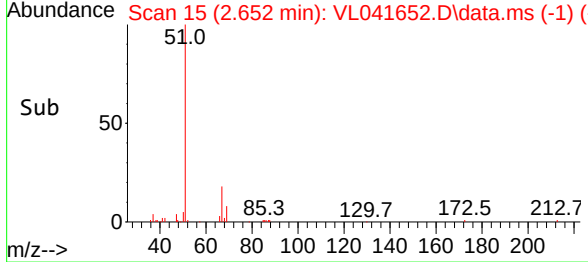
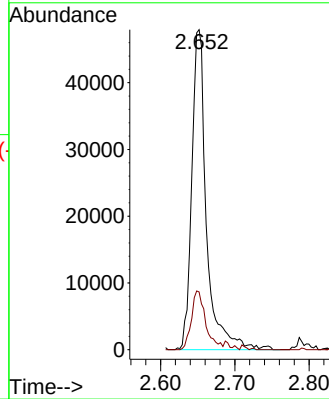
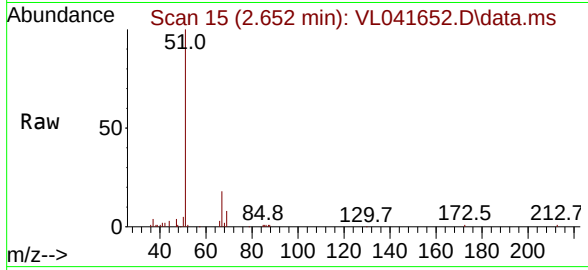
#3
Chlorodifluoromethane
Concen: 0.548 ppbv
RT: 2.652 min Scan# 15
Delta R.T. 0.000 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 51 Resp: 6588
Ion Ratio Lower Upper
51 100
67 19.6 14.1 21.1

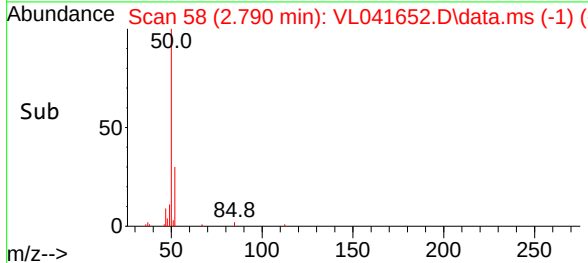
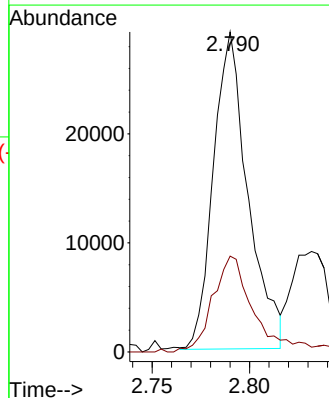
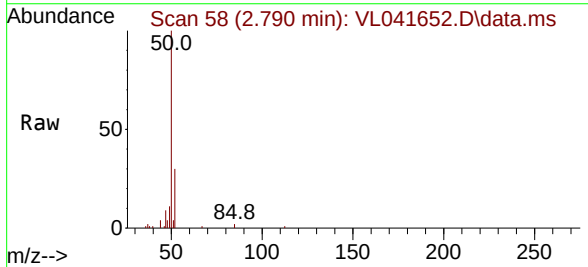
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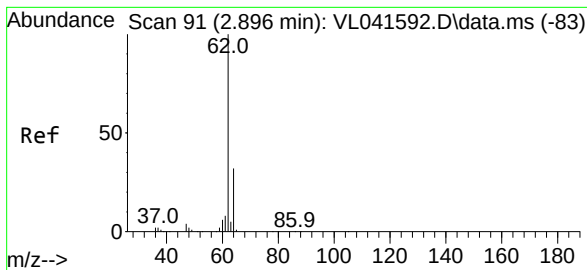
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#4
Chloromethane
Concen: 0.543 ppbv
RT: 2.790 min Scan# 58
Delta R.T. 0.000 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

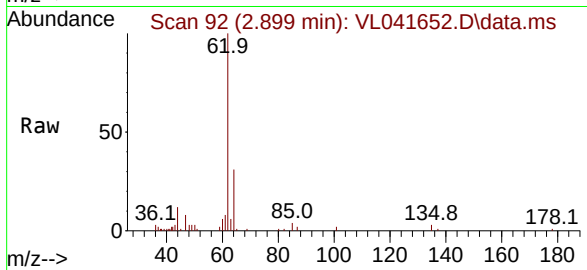
Tgt Ion: 50 Resp: 35876
Ion Ratio Lower Upper
50 100
52 29.2 25.4 38.2





#5
 Vinyl Chloride
 Concen: 0.504 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

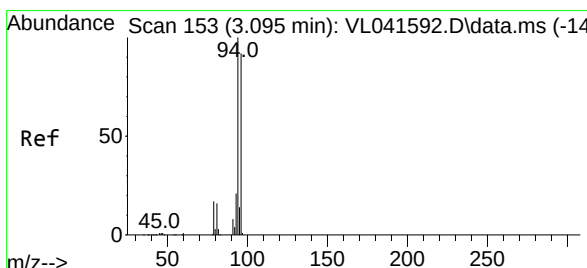
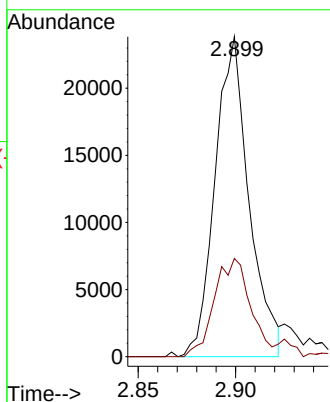
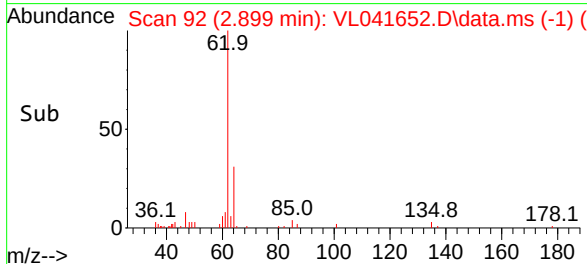
Instrument :
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 ClientSampleId :
 LOQ-AIR-02-QT4-2024



Tgt Ion: 62 Resp: 28830
 Ion Ratio Lower Upper
 62 100
 64 30.7 26.0 39.0

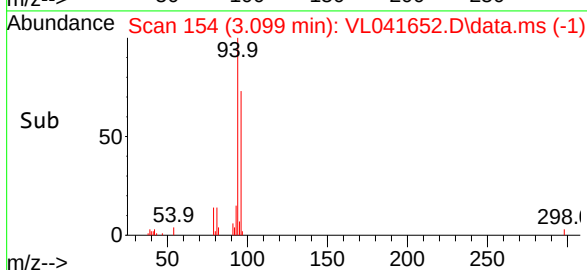
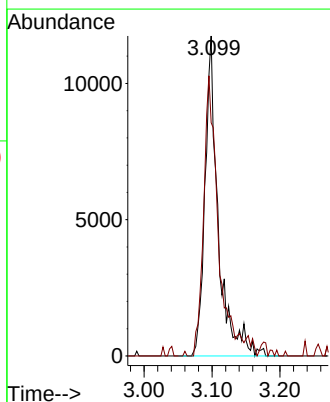
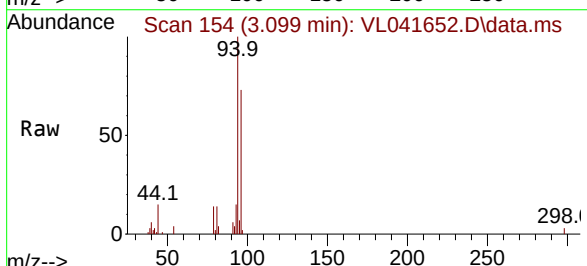
Manual Integrations
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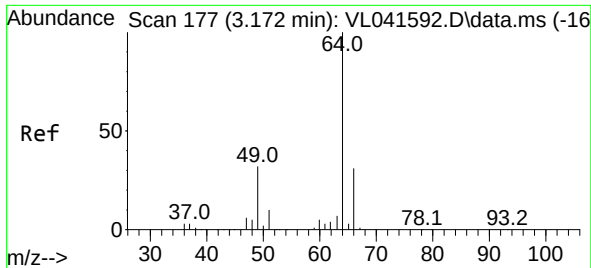
Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#6
 Bromomethane
 Concen: 0.556 ppbv m
 RT: 3.099 min Scan# 154
 Delta R.T. 0.003 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

Tgt Ion: 94 Resp: 15843
 Ion Ratio Lower Upper
 94 100
 96 72.9 73.4 110.2#





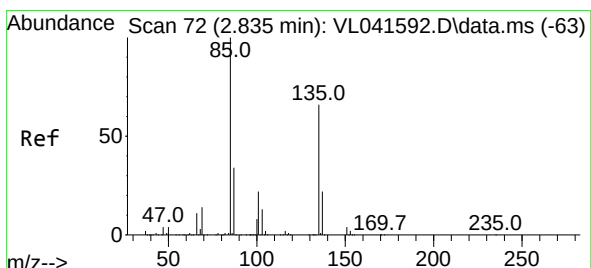
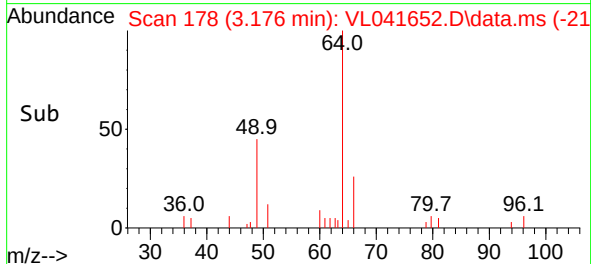
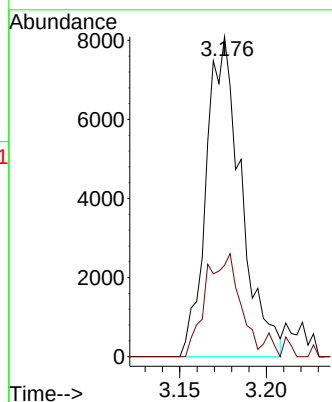
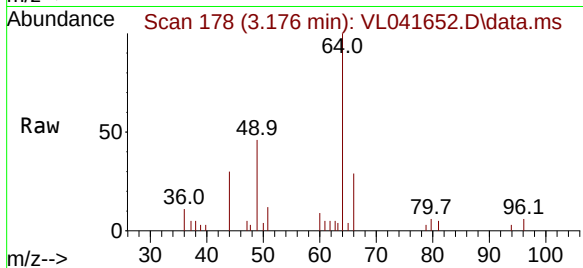
#7
Chloroethane
Concen: 0.509 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 64 Resp: 1132
Ion Ratio Lower Upper
64 100
66 28.5 25.1 37.7

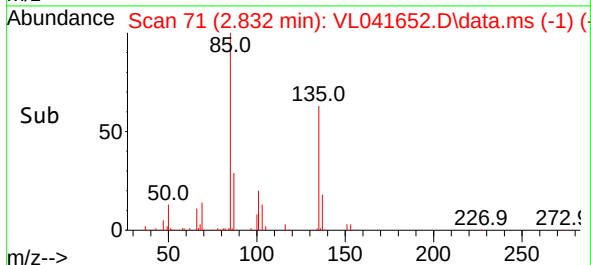
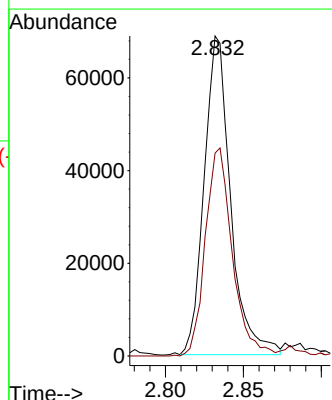
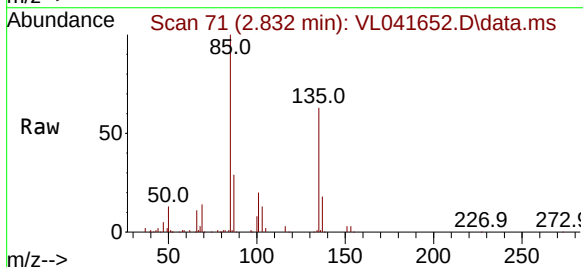
Manual Integrations
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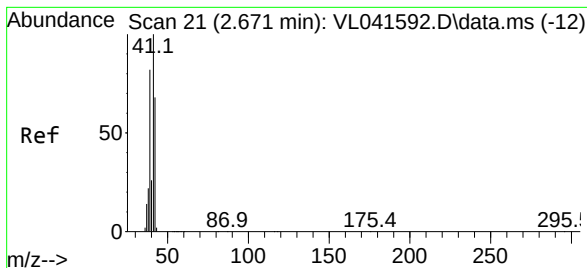
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#8
Dichlorotetrafluoroethane
Concen: 0.540 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

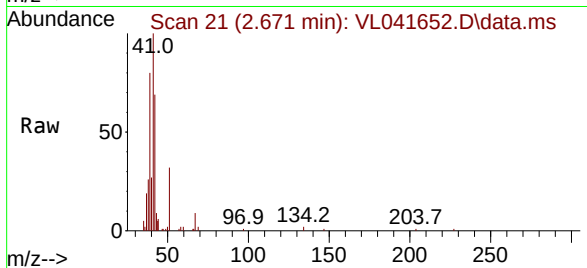
Tgt Ion: 85 Resp: 81094
Ion Ratio Lower Upper
85 100
135 69.2 53.9 80.9





#9
 Propene
 Concen: 0.489 ppbv m
 RT: 2.671 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

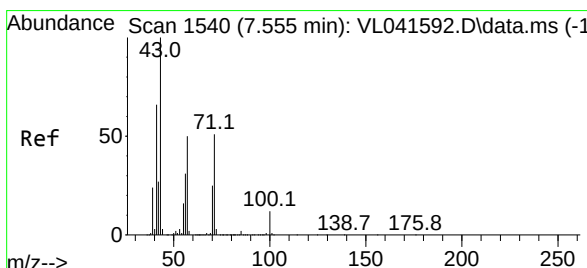
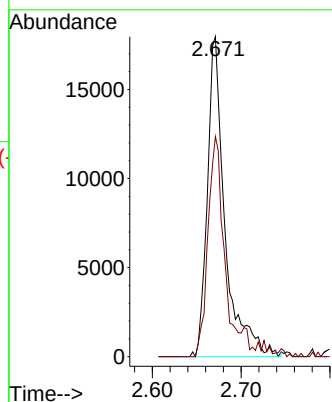
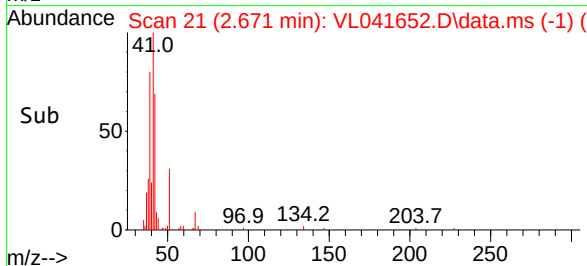
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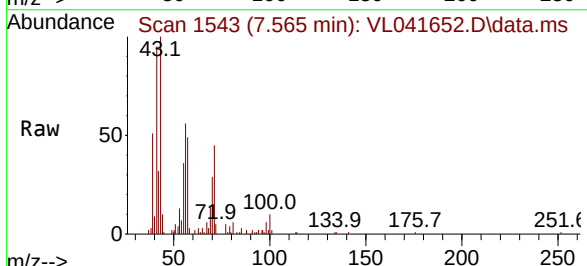
Tgt Ion: 41 Resp: 24810
 Ion Ratio Lower Upper
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 42 69.2 55.2 82.8

Manual Integrations
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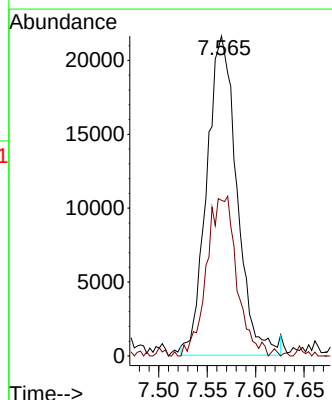
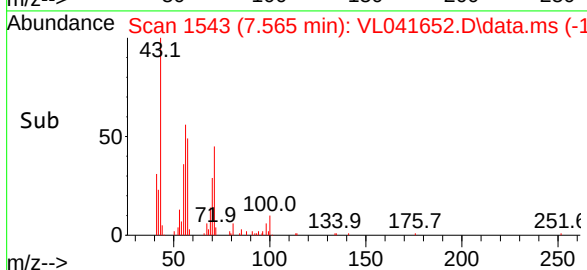
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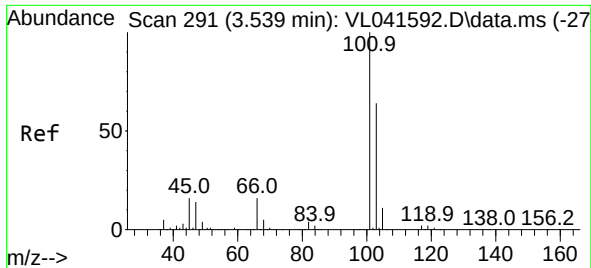


#10
 Heptane
 Concen: 0.395 ppbv m
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.010 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21



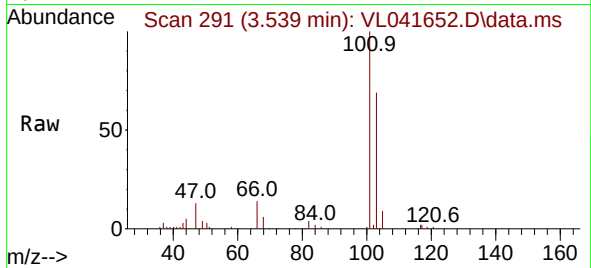
Tgt Ion: 43 Resp: 46886
 Ion Ratio Lower Upper
 43 100
 57 50.9 39.8 59.8





#11
 Trichlorofluoromethane
 Concen: 0.527 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

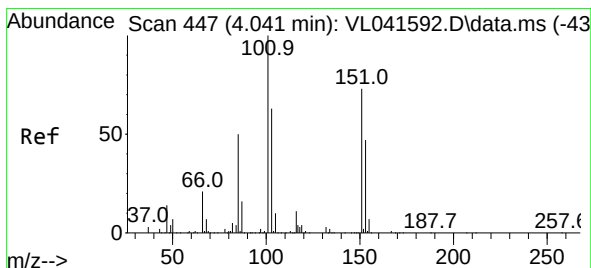
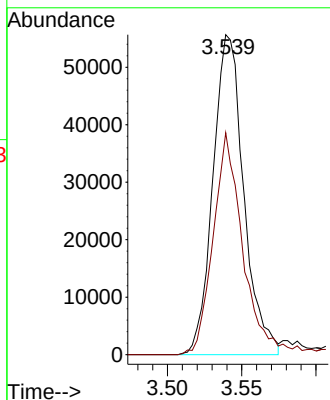
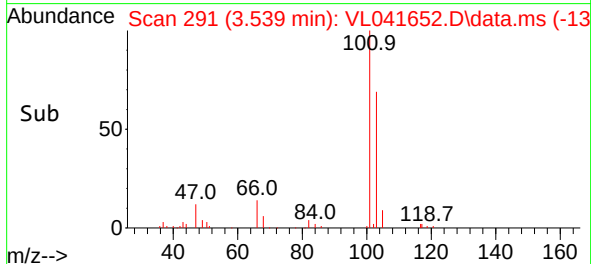
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024



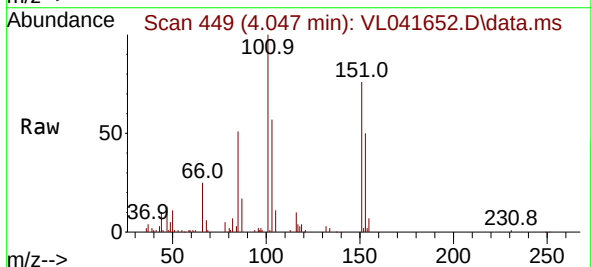
Tgt Ion:101 Resp: 80278
 Ion Ratio Lower Upper
 101 100
 103 69.3 51.2 76.8

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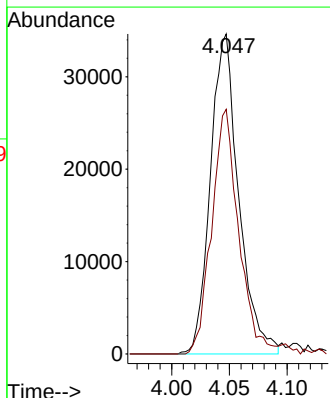
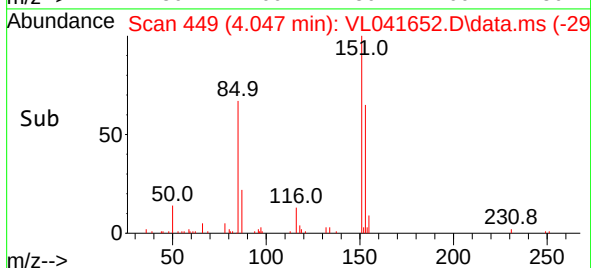
Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

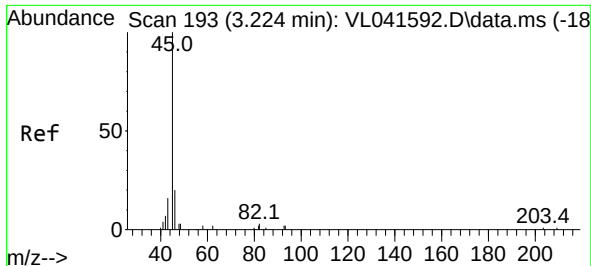


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.535 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. 0.007 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21



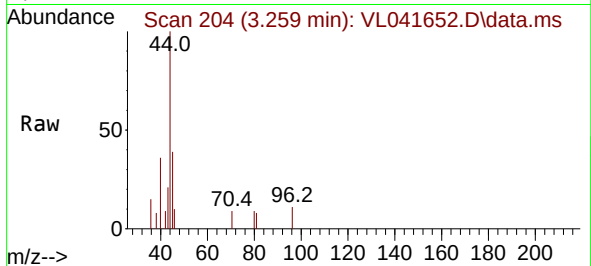
Tgt Ion:101 Resp: 58952
 Ion Ratio Lower Upper
 101 100
 151 74.3 59.4 89.2





#13
Ethanol
Concen: 0.267 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.036 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

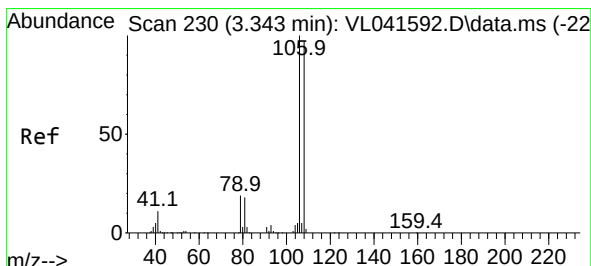
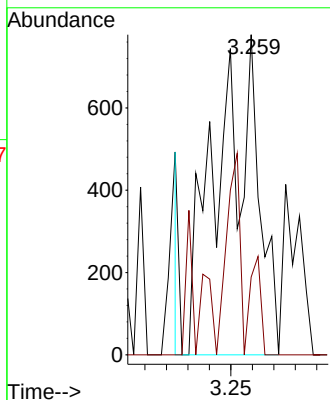
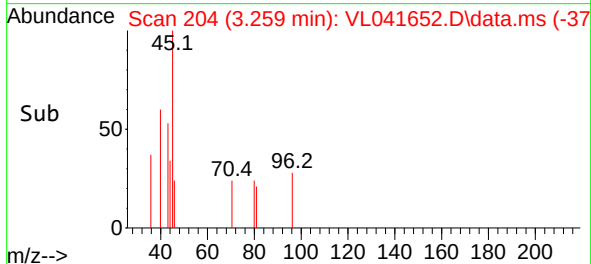
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 45 Resp: 1010
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8

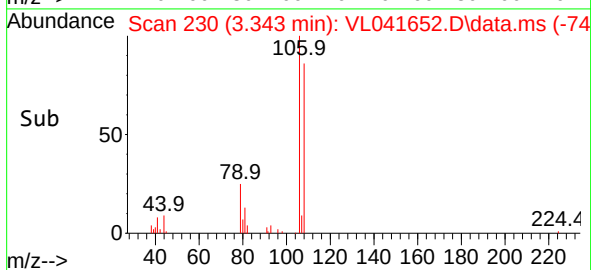
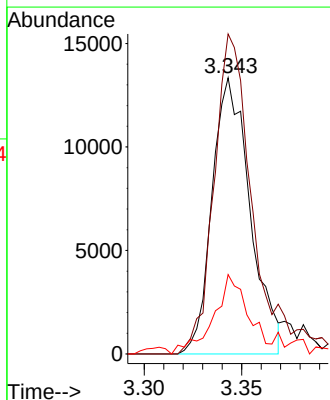
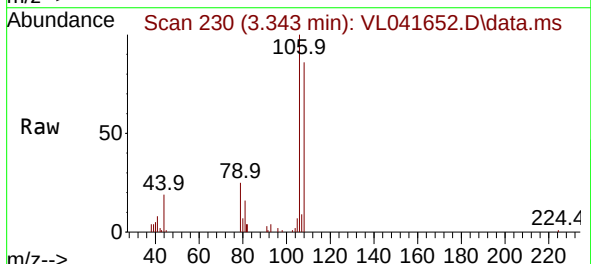
Manual Integrations
APPROVED

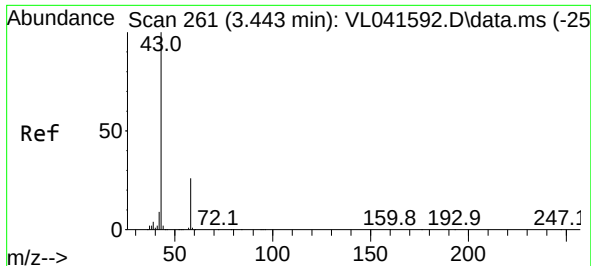
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#14
Bromoethene
Concen: 0.433 ppbv
RT: 3.343 min Scan# 230
Delta R.T. 0.000 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion:108 Resp: 18092
Ion Ratio Lower Upper
108 100
106 122.0 86.5 129.7
79 32.2 16.2 24.4





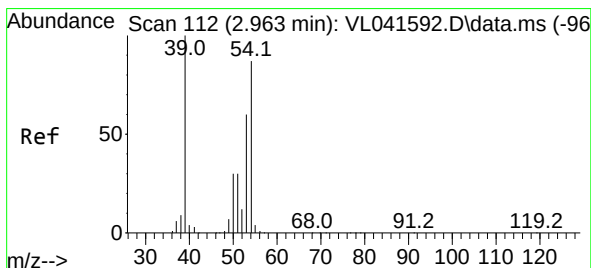
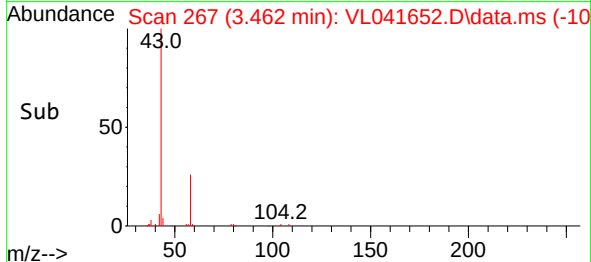
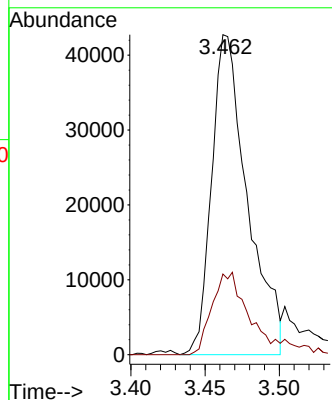
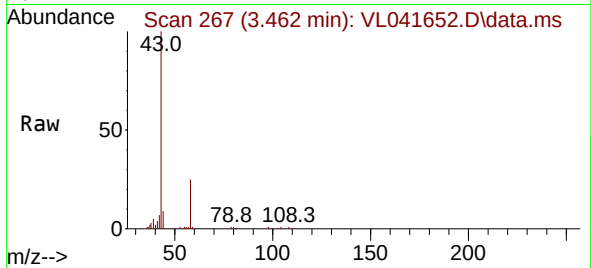
#15
Acetone
Concen: 0.577 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.019 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
58 29.2 21.5 32.3

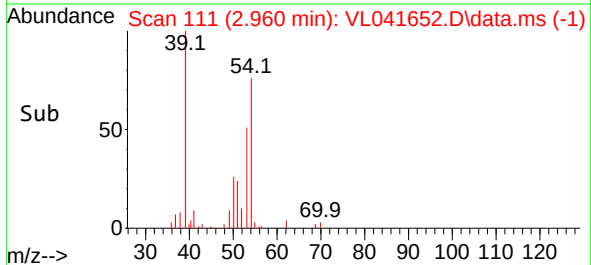
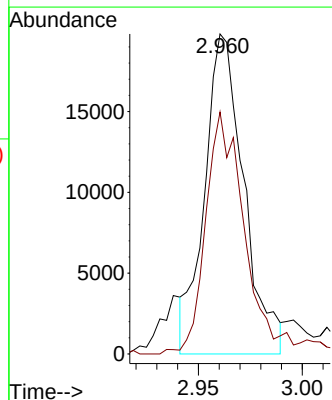
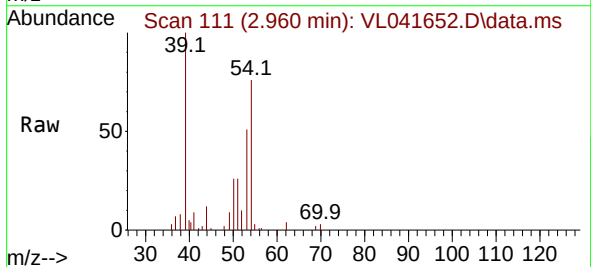
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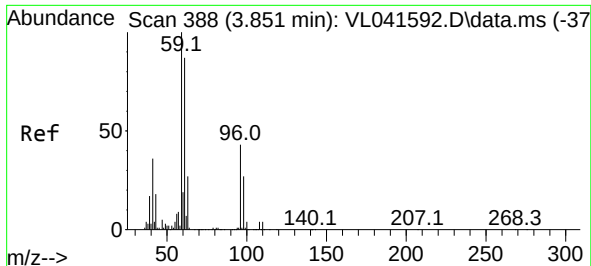
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#16
1,3-Butadiene
Concen: 0.429 ppbv
RT: 2.960 min Scan# 111
Delta R.T. -0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 39 Resp: 25969
Ion Ratio Lower Upper
39 100
54 78.8 62.9 94.3





#17

tert-Butyl alcohol

Concen: 0.397 ppbv m

RT: 3.877 min Scan# 390

Delta R.T. 0.026 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2024

Tgt Ion: 59 Resp: 43409

Ion Ratio Lower Upper

59 100

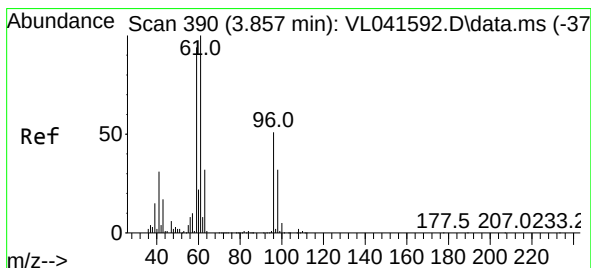
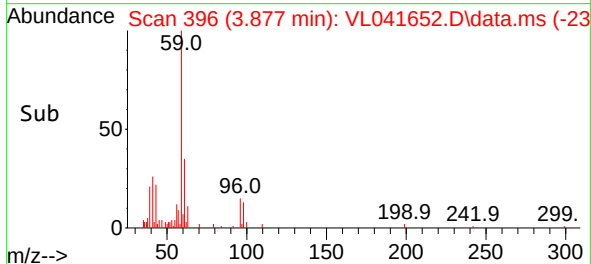
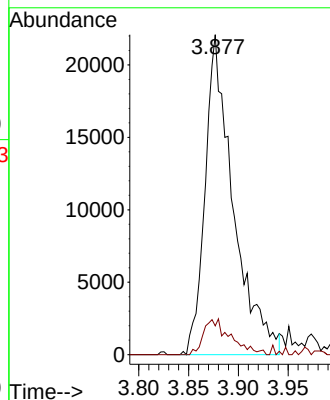
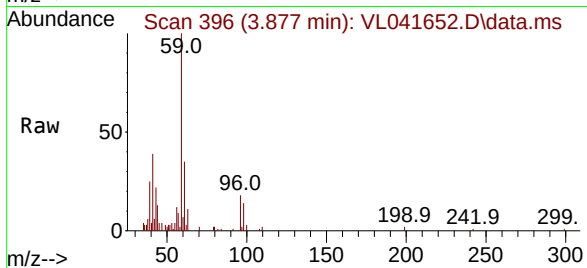
57 11.4 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/11/2024

Supervised By :Mahesh Dadoda 10/14/2024



#18

1,1-Dichloroethene

Concen: 0.470 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

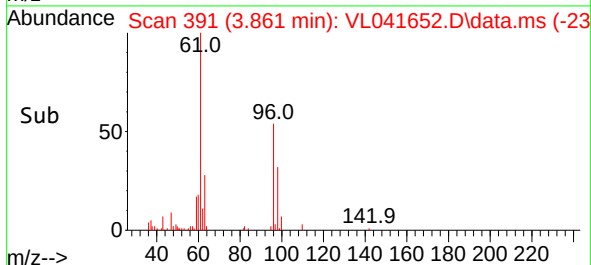
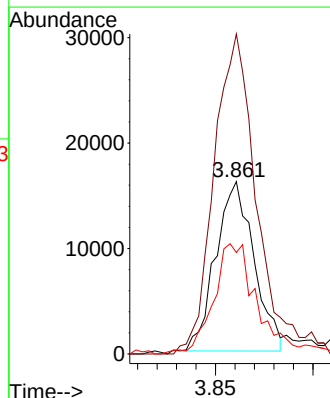
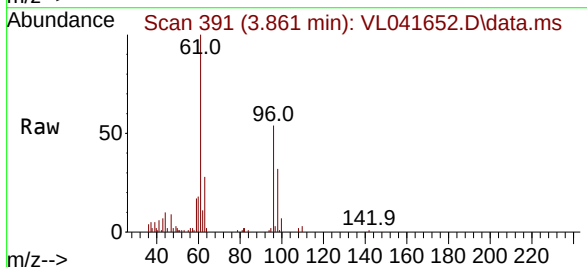
Tgt Ion: 96 Resp: 21948

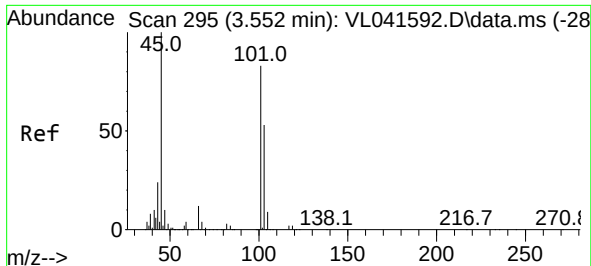
Ion Ratio Lower Upper

96 100

61 184.3 155.6 233.4

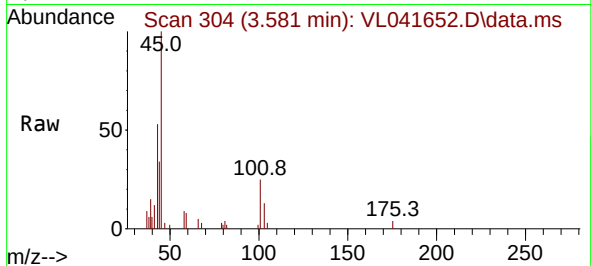
98 57.5 50.6 75.8





#19
Isopropyl Alcohol
Concen: 0.360 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.029 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

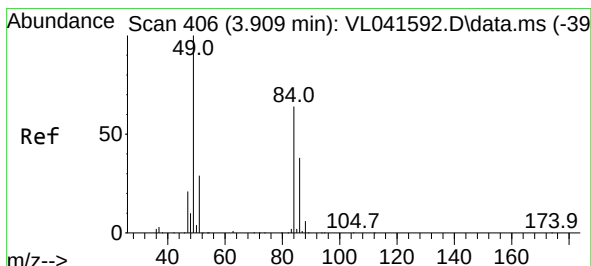
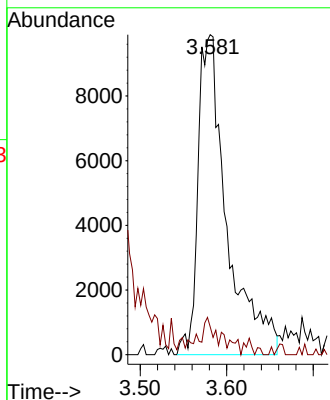
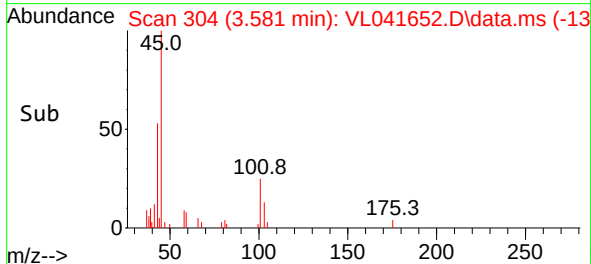
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



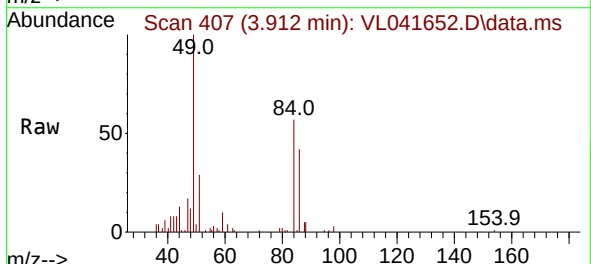
Tgt Ion: 45 Resp: 2295
Ion Ratio Lower Upper
45 100
58 0.0 2.1 3.1

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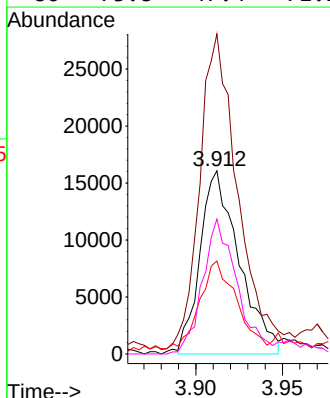
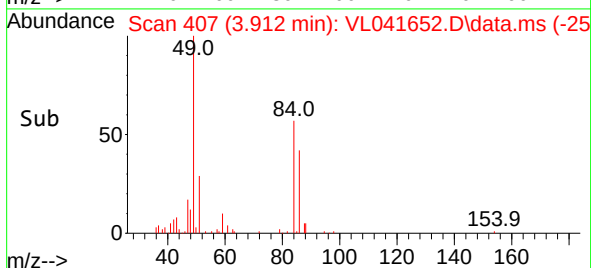
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

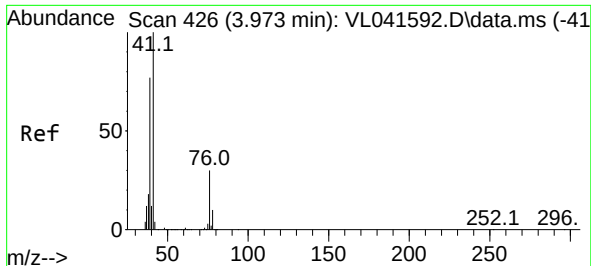


#20
Methylene Chloride
Concen: 0.540 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21



Tgt Ion: 84 Resp: 25234
Ion Ratio Lower Upper
84 100
49 167.1 124.3 186.5
51 47.3 36.3 54.5
86 73.8 47.4 71.2





#21

Allyl Chloride

Concen: 0.450 ppbv

RT: 3.976 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

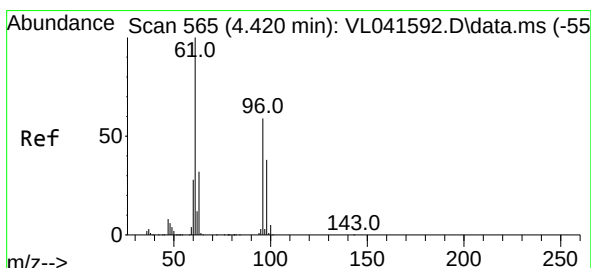
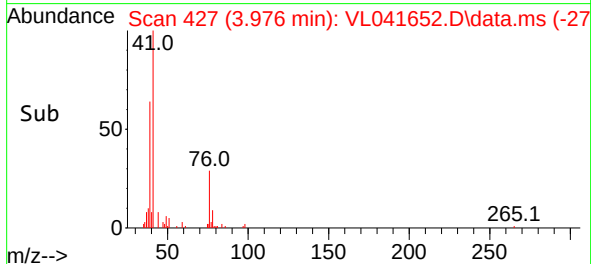
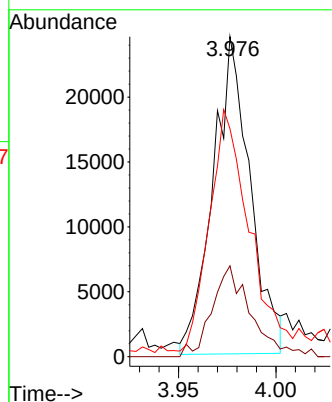
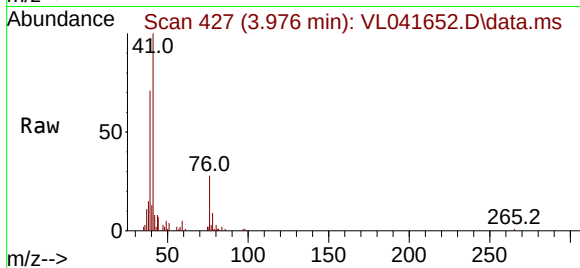
LOQ-AIR-02-QT4-2024

Tgt Ion: 41	Resp: 3245
Ion Ratio	Lower Upper
41	100
76	30.1 23.8 35.6
39	89.5 63.9 95.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#22

trans-1,2-Dichloroethene

Concen: 0.504 ppbv

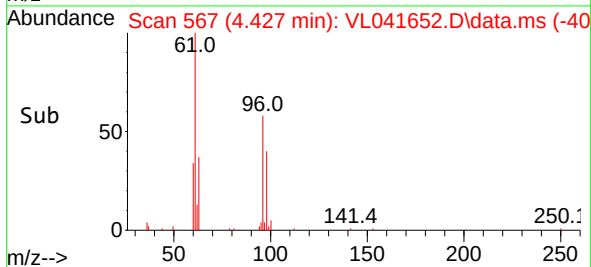
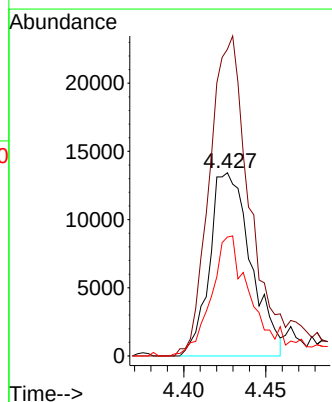
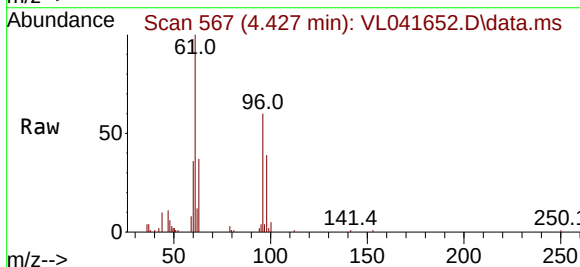
RT: 4.427 min Scan# 567

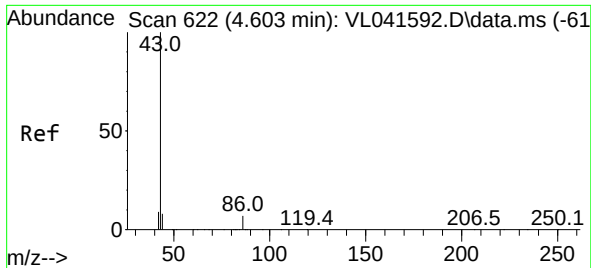
Delta R.T. 0.007 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

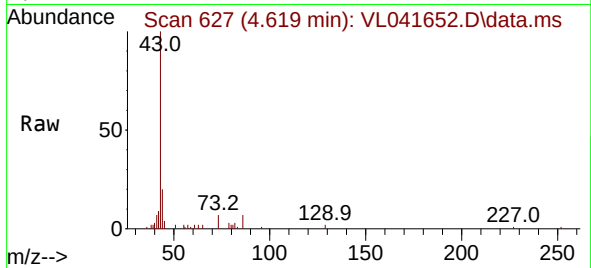
Tgt Ion: 96	Resp: 23452
Ion Ratio	Lower Upper
96	100
61	163.5 135.7 203.5
98	63.5 50.9 76.3





#23
 Vinyl Acetate
 Concen: 0.419 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

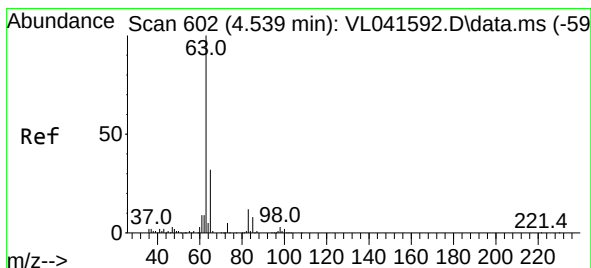
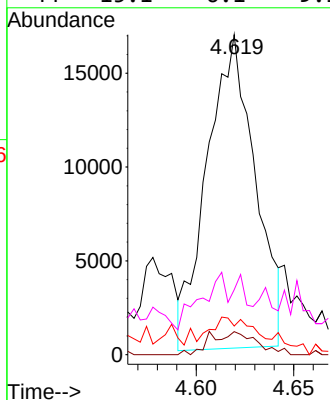
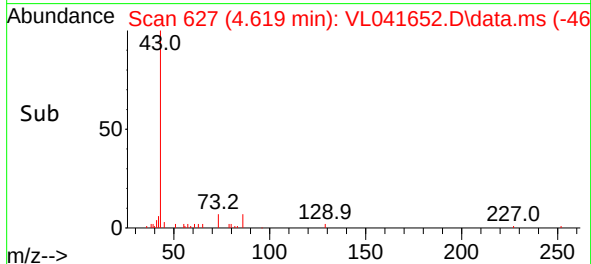
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024



Tgt Ion: 43 Resp: 2866
 Ion Ratio Lower Upper
 43 100
 86 8.7 4.9 7.3
 42 4.4 8.0 12.0
 44 15.1 6.1 9.1

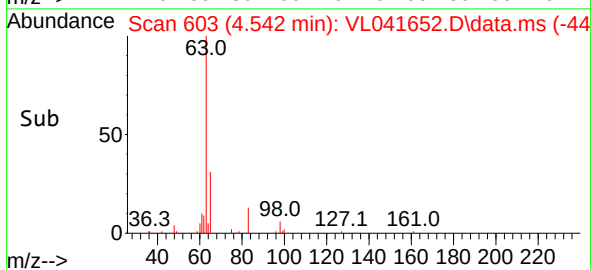
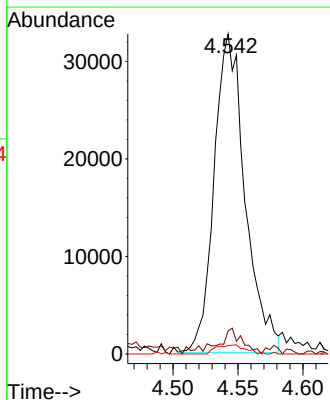
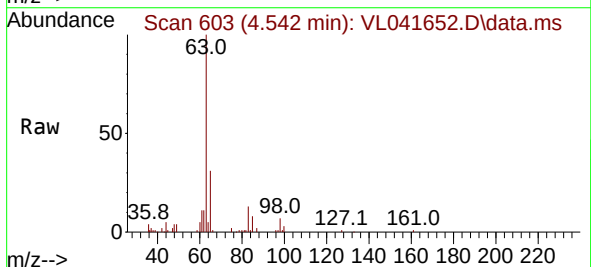
Manual Integrations
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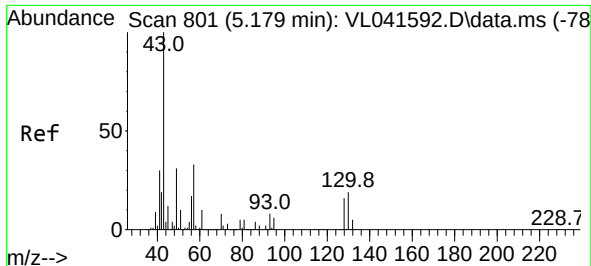
Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#24
 1,1-Dichloroethane
 Concen: 0.526 ppbv
 RT: 4.542 min Scan# 603
 Delta R.T. 0.003 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

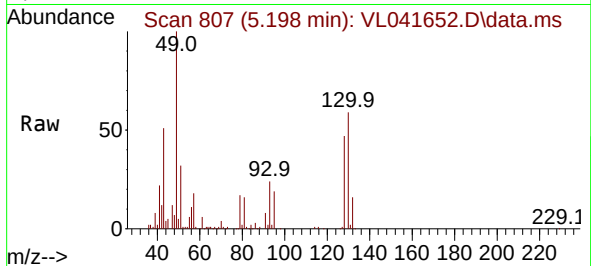
Tgt Ion: 63 Resp: 53983
 Ion Ratio Lower Upper
 63 100
 98 5.4 1.7 5.1
 100 2.6 1.1 3.3





#25
Ethyl Acetate
Concen: 0.433 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.019 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

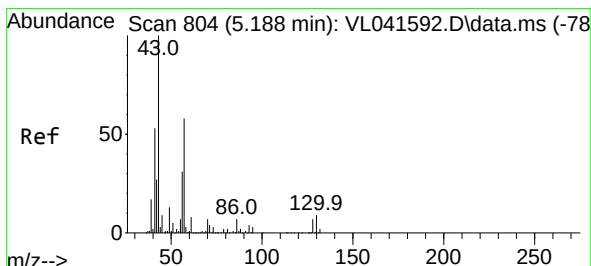
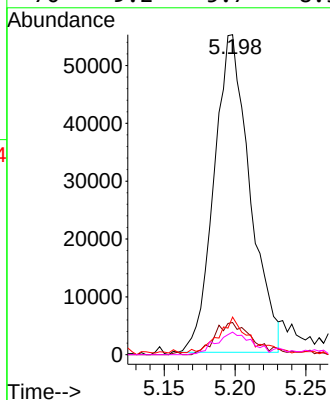
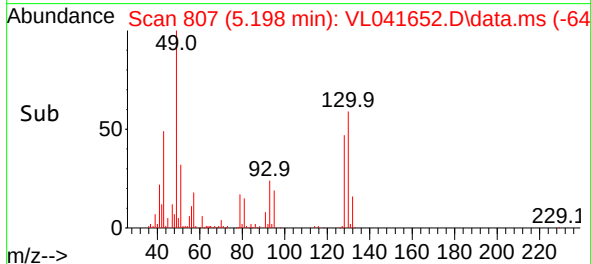
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



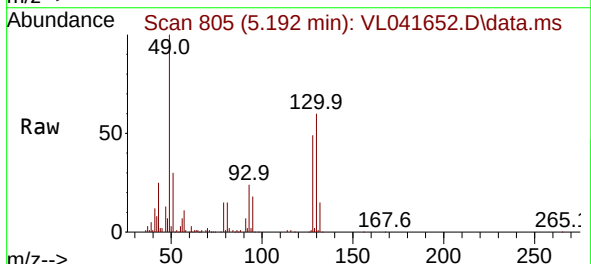
Tgt Ion: 43 Resp: 96780
Ion Ratio Lower Upper
43 100
45 11.8 8.2 12.2
61 12.3 8.0 12.0
70 9.2 5.7 8.5#

Manual Integrations
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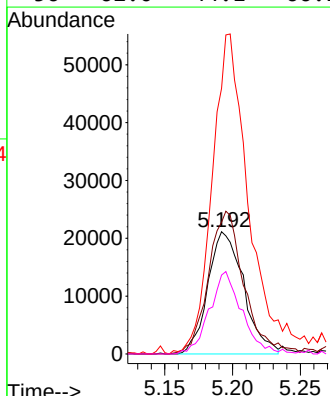
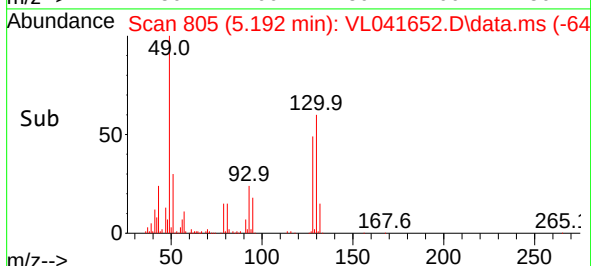
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

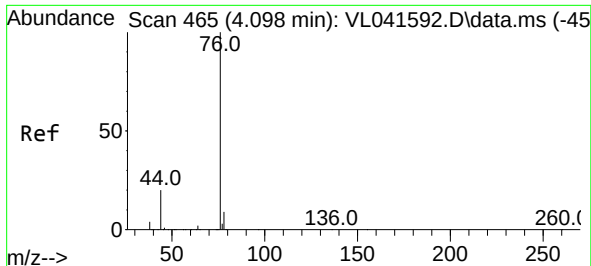


#26
Hexane
Concen: 0.417 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21



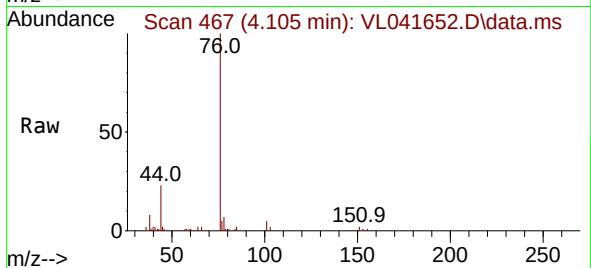
Tgt Ion: 57 Resp: 38843
Ion Ratio Lower Upper
57 100
41 116.3 75.7 113.5#
43 285.4 198.5 297.7
56 62.0 44.1 66.1





#27
Carbon Disulfide
Concen: 0.416 ppbv m
RT: 4.105 min Scan# 4120
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

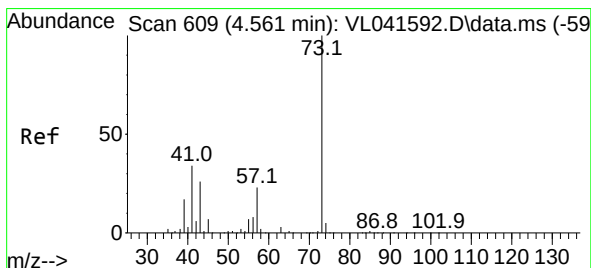
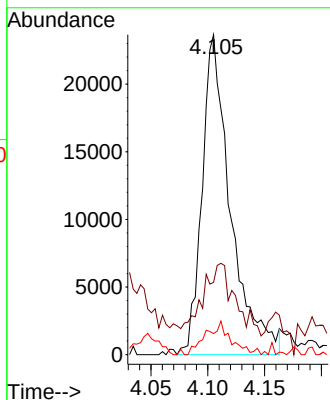
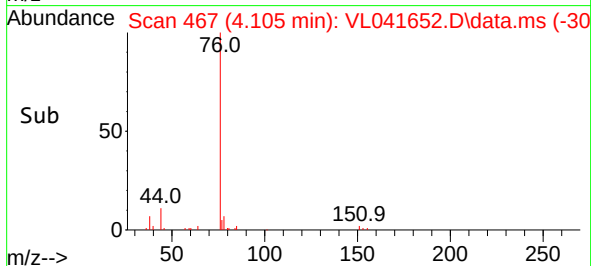
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 76 Resp: 4120
Ion Ratio Lower Upper
76 100
44 22.8 15.8 23.8
78 9.8 7.5 11.3

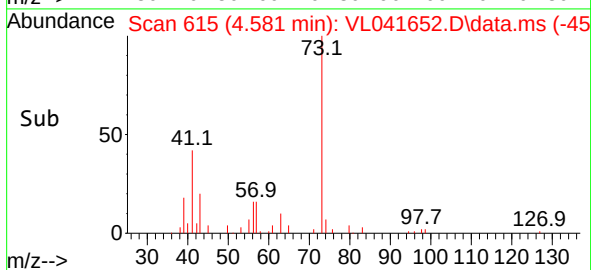
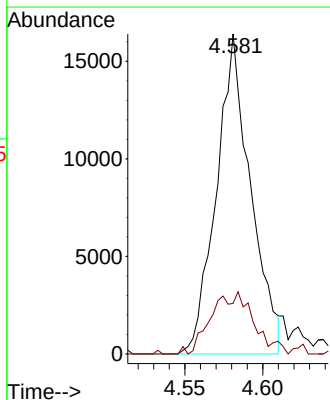
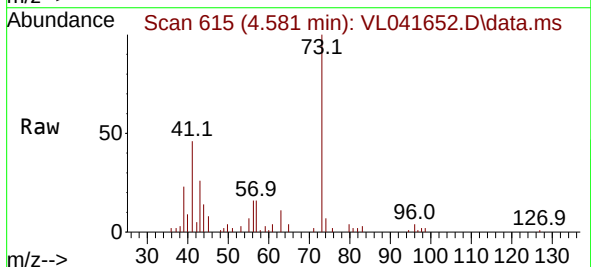
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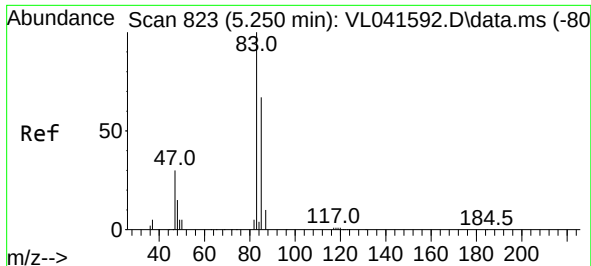
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#28
Methyl tert-Butyl Ether
Concen: 0.436 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.019 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 73 Resp: 25023
Ion Ratio Lower Upper
73 100
57 24.9 19.3 28.9





#29

Chloroform

Concen: 0.517 ppbv

RT: 5.253 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

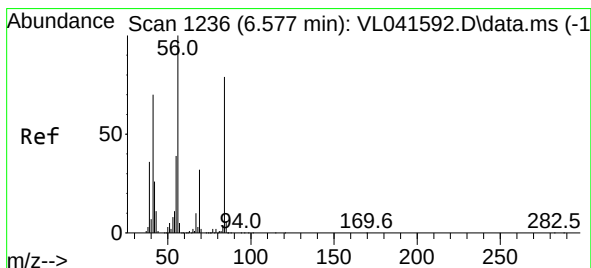
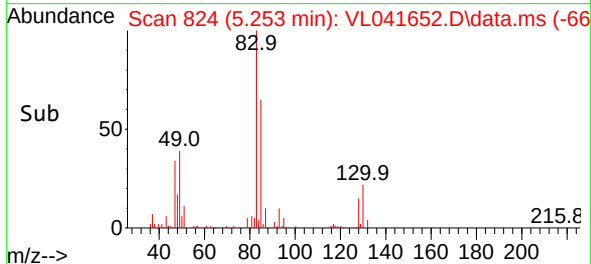
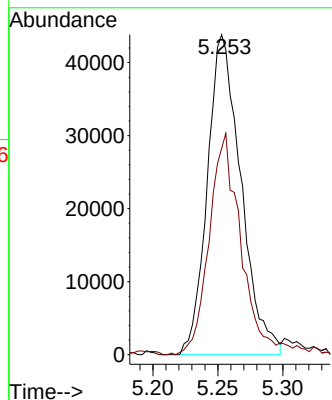
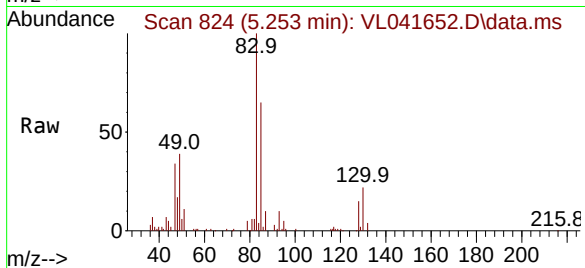
ClientSampleId :

LOQ-AIR-02-QT4-2024

Tgt Ion: 83 Resp: 78772
 Ion Ratio Lower Upper
 83 100
 85 63.8 53.8 80.6

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Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#30

Cyclohexane

Concen: 0.374 ppbv m

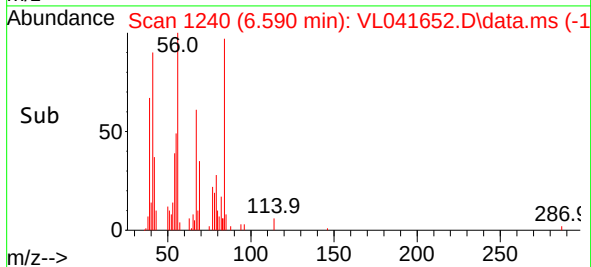
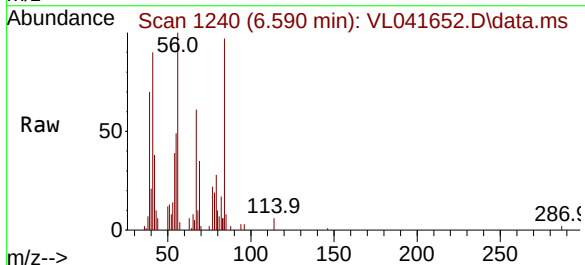
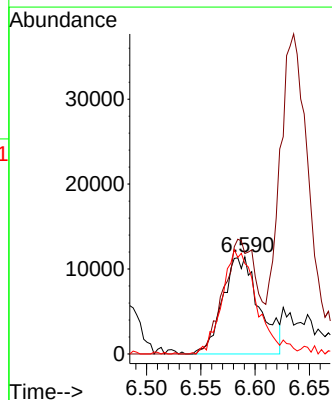
RT: 6.590 min Scan# 1240

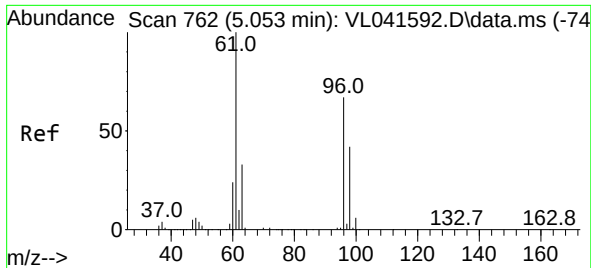
Delta R.T. 0.013 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

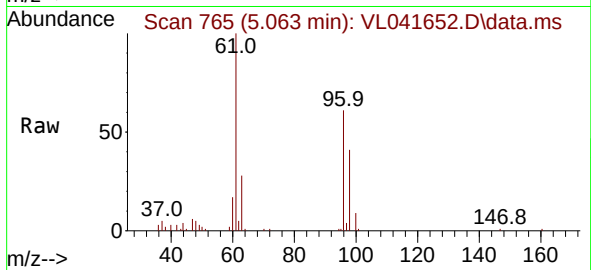
Tgt Ion: 84 Resp: 26876
 Ion Ratio Lower Upper
 84 100
 56 98.1 111.5 167.3#
 41 105.0 70.9 106.3





#31
 cis-1,2-Dichloroethene
 Concen: 0.410 ppbv
 RT: 5.063 min Scan# 70
 Delta R.T. 0.010 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

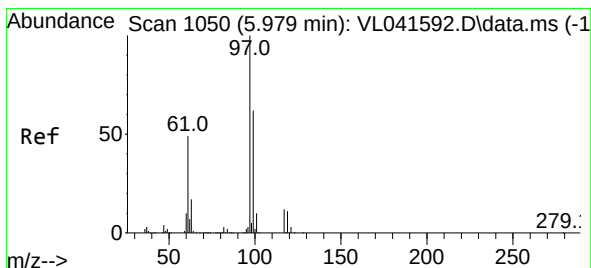
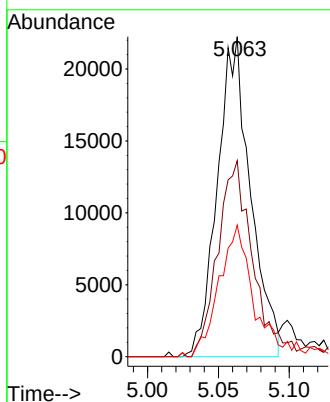
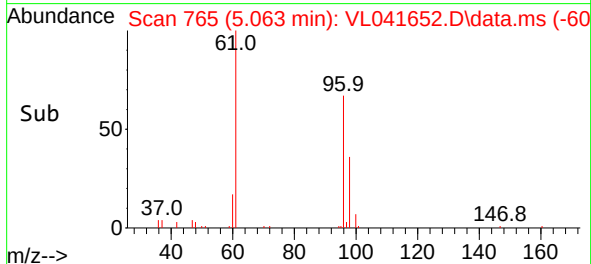
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024



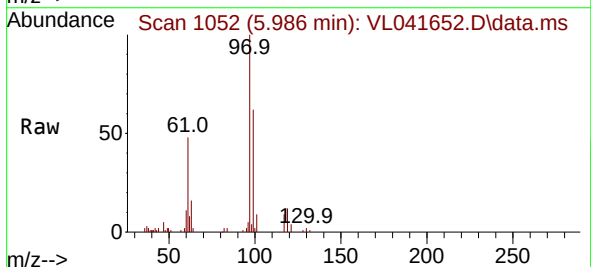
Tgt Ion: 61 Resp: 3623
 Ion Ratio Lower Upper
 61 100
 96 61.3 53.5 80.3
 98 41.1 33.7 50.5

Manual Integrations
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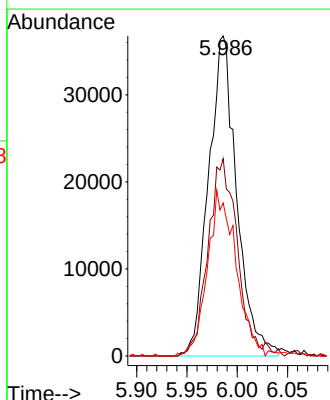
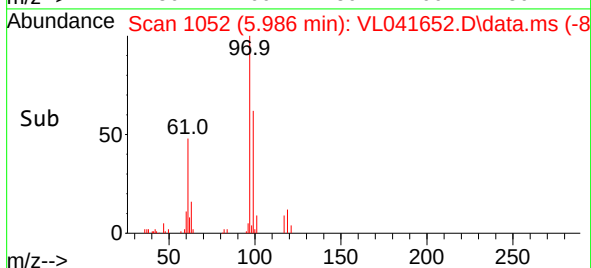
Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

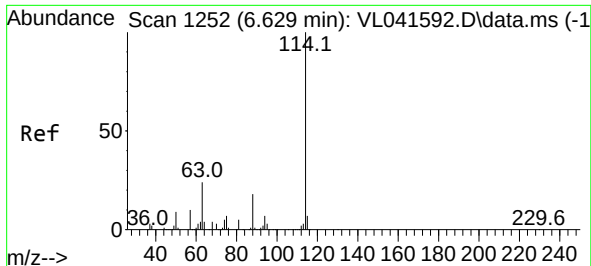


#32
 1,1,1-Trichloroethane
 Concen: 0.528 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.007 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21



Tgt Ion: 97 Resp: 71654
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.4
 61 53.7 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 114

Delta R.T. 0.007 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2024

Tgt Ion:114 Resp: 2738409

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.2

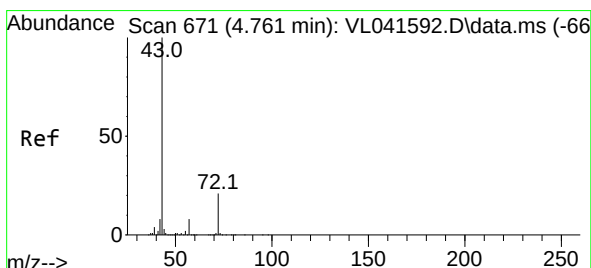
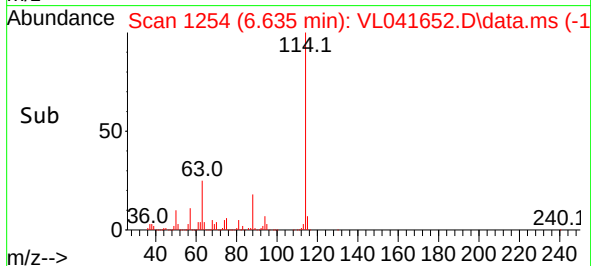
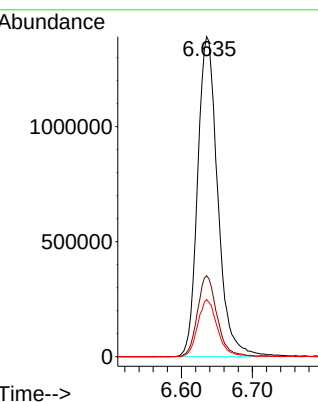
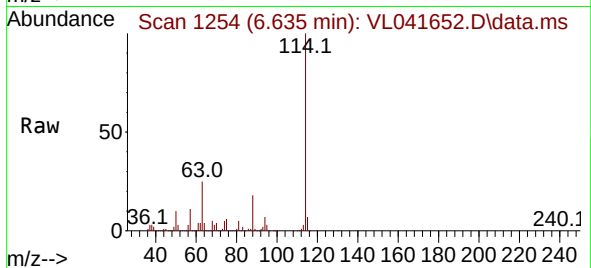
88 17.6 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024

Supervised By :Mahesh Dadoda 10/14/2024



#34

2-Butanone

Concen: 0.420 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.026 min

Lab File: VL041652.D

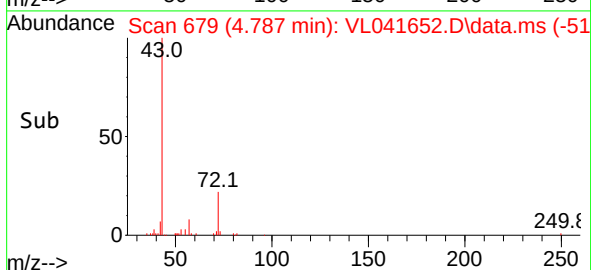
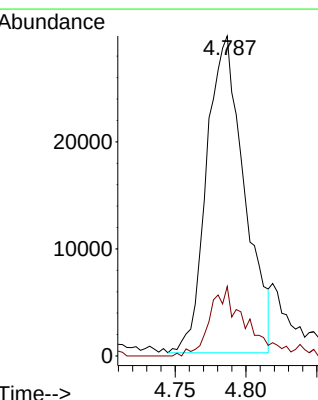
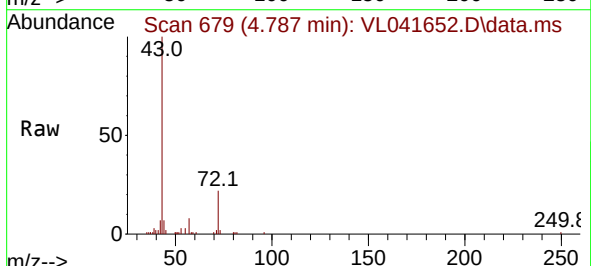
Acq: 10 Oct 2024 21:21

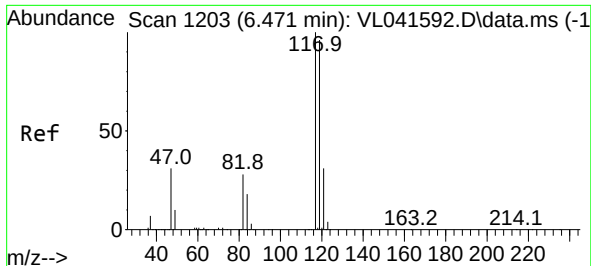
Tgt Ion: 43 Resp: 54816

Ion Ratio Lower Upper

43 100

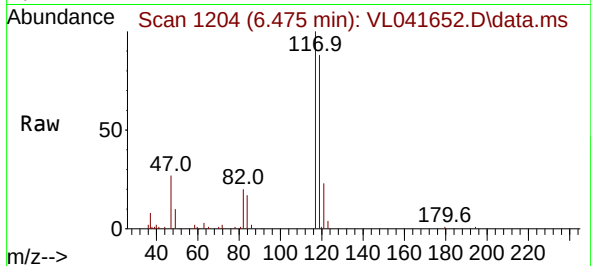
72 22.6 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.530 ppbv
RT: 6.475 min Scan# 1117
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

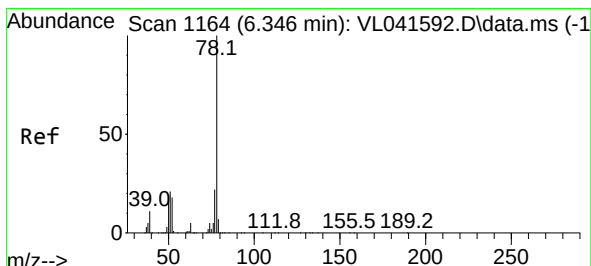
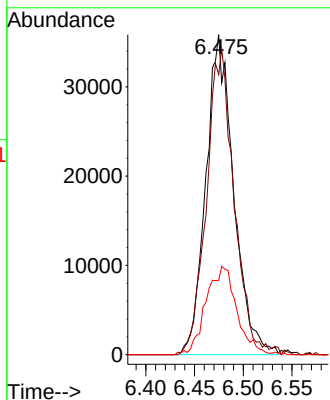
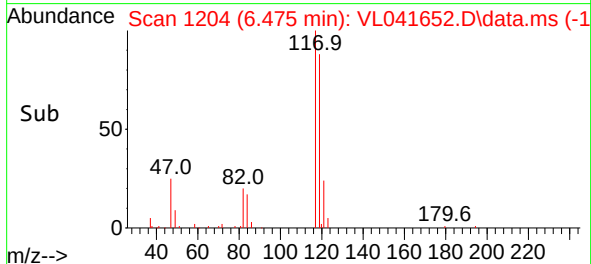
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 117 Resp: 71225
Ion Ratio Lower Upper
117 100
119 86.9 76.8 115.2
121 23.3 25.0 37.6

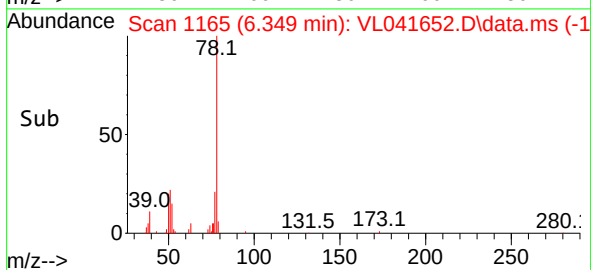
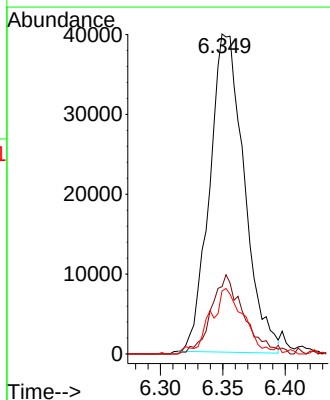
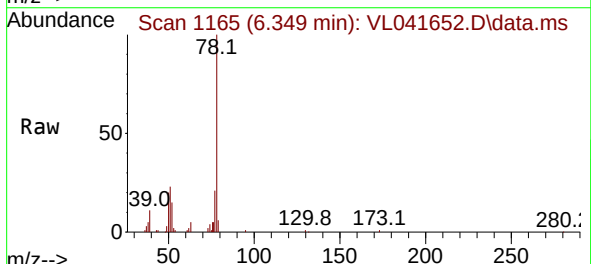
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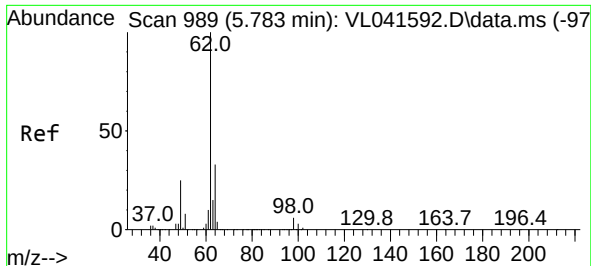
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#36
Benzene
Concen: 0.404 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

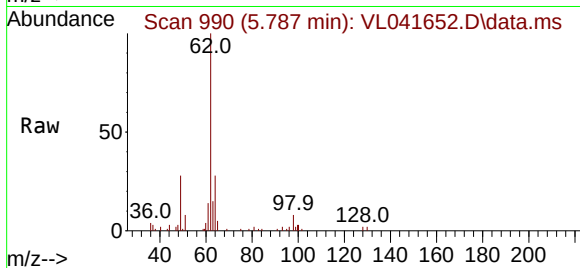
Tgt Ion: 78 Resp: 76899
Ion Ratio Lower Upper
78 100
77 21.2 17.8 26.6
50 19.9 15.4 23.0





#37
1,2-Dichloroethane
Concen: 0.483 ppbv
RT: 5.787 min Scan# 989
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

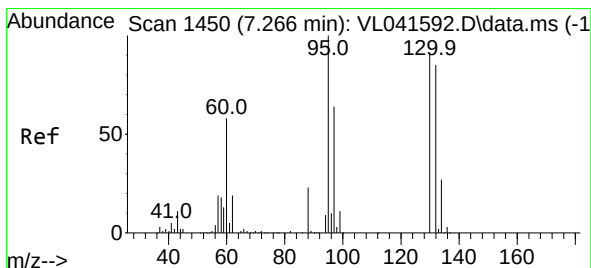
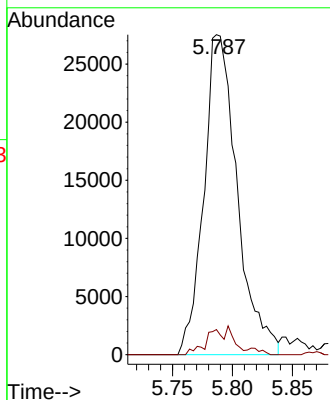
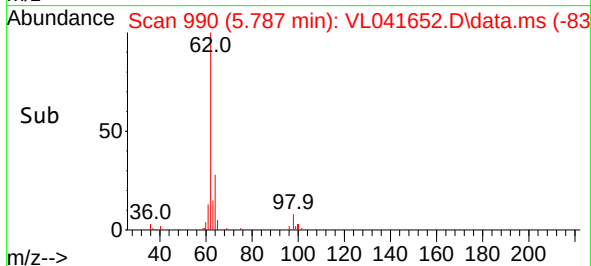
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 62 Resp: 53250
Ion Ratio Lower Upper
62 100
98 7.3 4.8 7.2

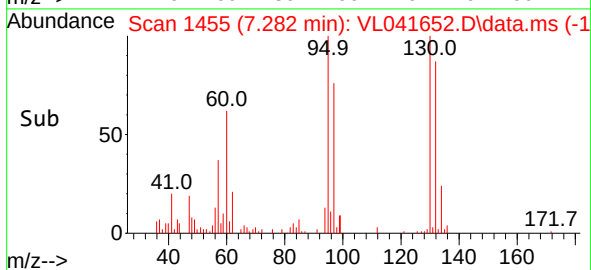
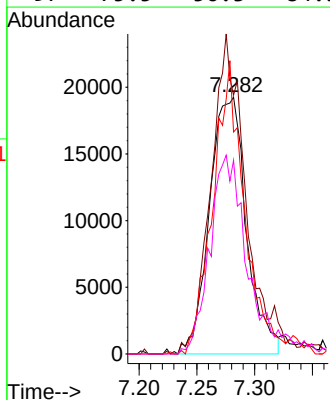
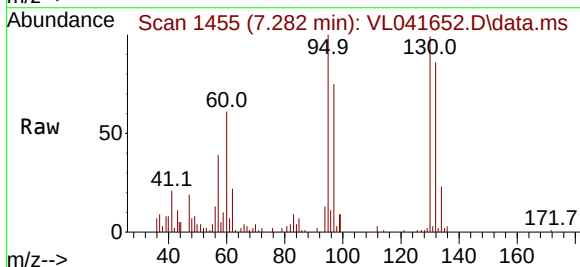
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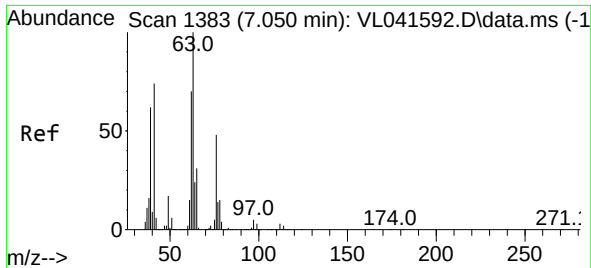
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#38
Trichloroethene
Concen: 0.435 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.016 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion:130 Resp: 42594
Ion Ratio Lower Upper
130 100
95 100.8 87.7 131.5
132 86.5 74.5 111.7
97 75.5 56.3 84.5





#39

1,2-Dichloropropane

Concen: 0.448 ppbv

RT: 7.053 min Scan# 1467

Delta R.T. 0.003 min

Lab File: VL041652.D

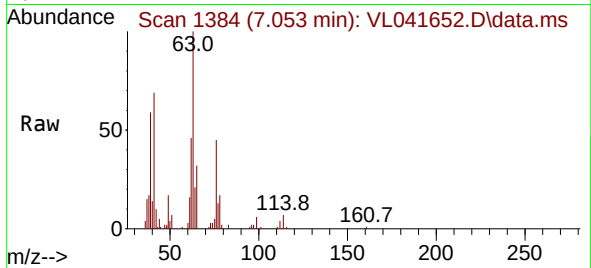
Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2024



Tgt Ion: 63 Resp: 3466

Ion Ratio Lower Upper

63 100

41 68.5 59.5 89.3

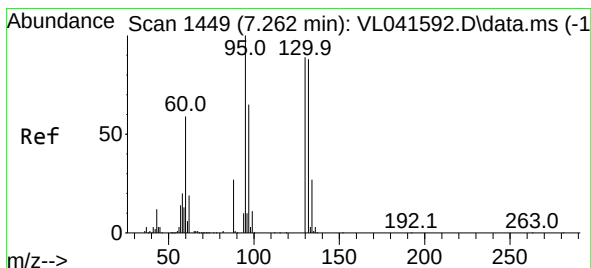
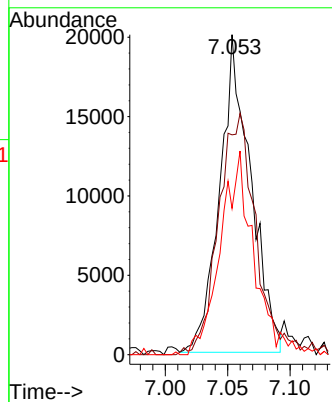
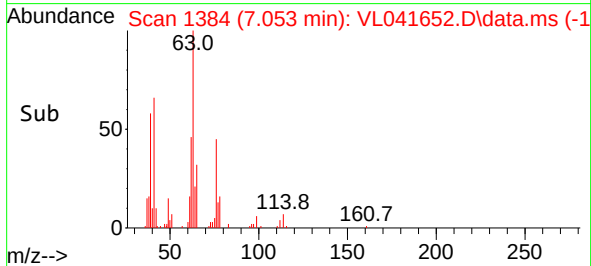
62 45.3 56.2 84.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/11/2024

Supervised By :Mahesh Dadoda 10/14/2024



#40

1,4-Dioxane

Concen: 0.265 ppbv m

RT: 7.320 min Scan# 1467

Delta R.T. 0.058 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Tgt Ion: 88 Resp: 7721

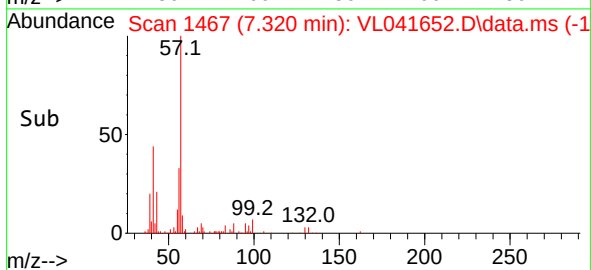
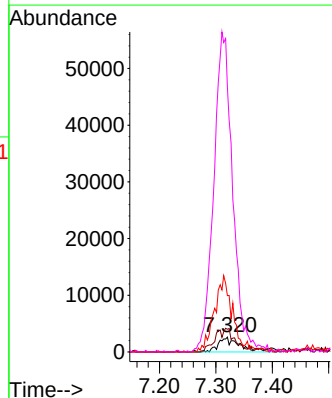
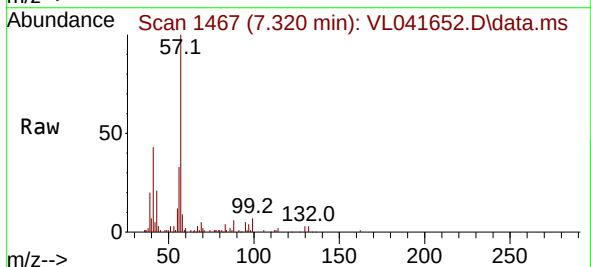
Ion Ratio Lower Upper

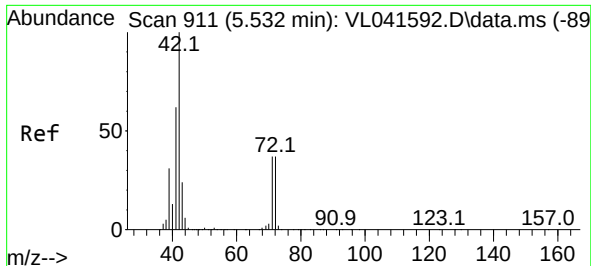
88 100

58 0.0 100.2 150.4

43 0.0 0.0 0.0

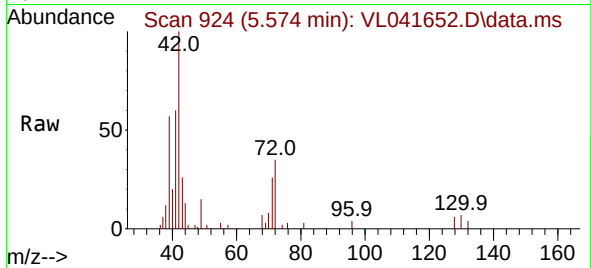
57 0.0 0.0 0.0





#41
Tetrahydrofuran
Concen: 0.368 ppbv m
RT: 5.574 min Scan# 911
Delta R.T. 0.042 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

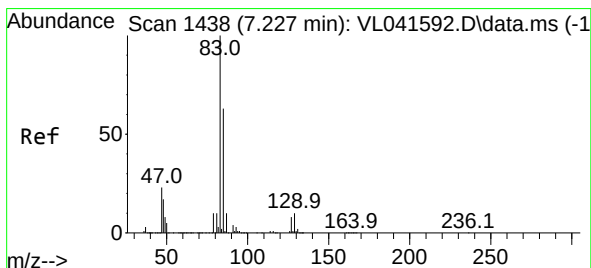
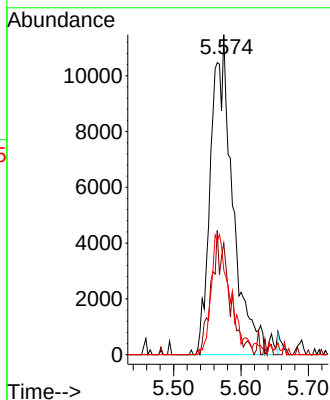
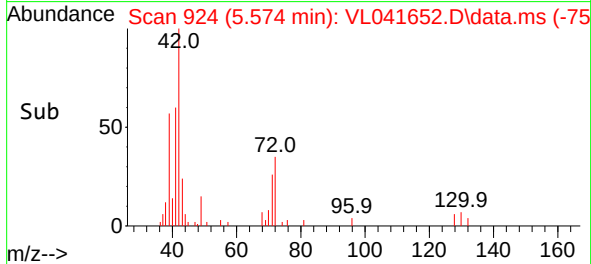
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 42 Resp: 26424
Ion Ratio Lower Upper
42 100
72 30.9 30.2 45.2
71 33.2 29.6 44.4

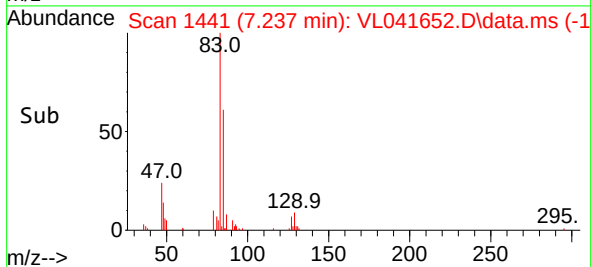
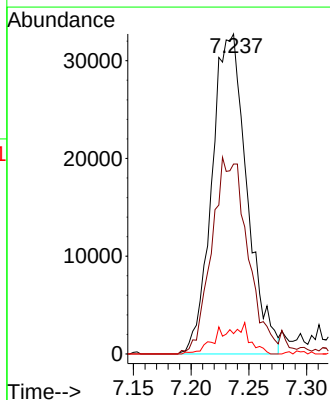
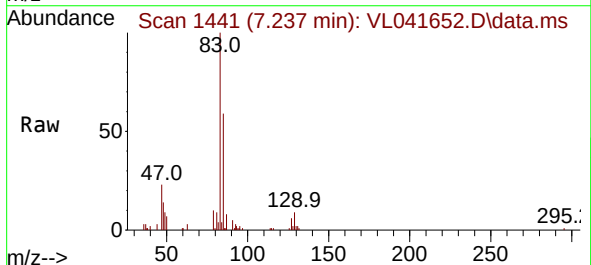
Manual Integrations
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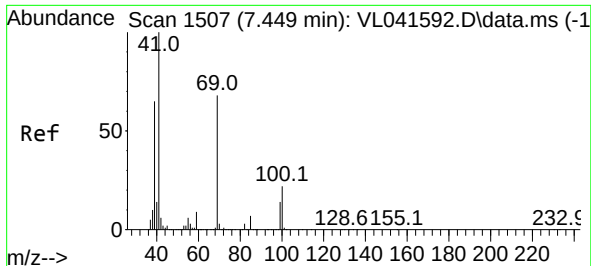
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#42
Bromodichloromethane
Concen: 0.450 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

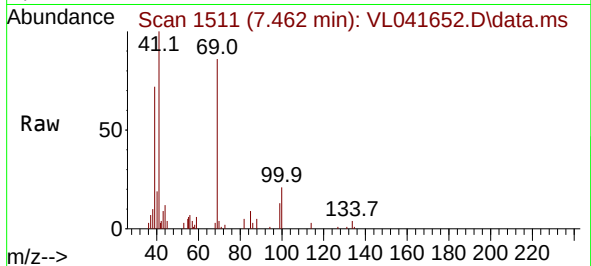
Tgt Ion: 83 Resp: 69081
Ion Ratio Lower Upper
83 100
85 59.4 50.5 75.7
127 6.3 6.5 9.7#





#43
Methyl Methacrylate
Concen: 0.326 ppbv
RT: 7.462 min Scan# 1511
Delta R.T. 0.013 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

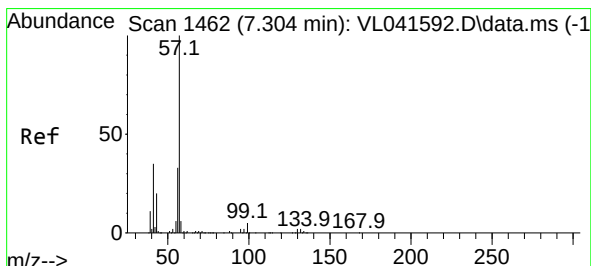
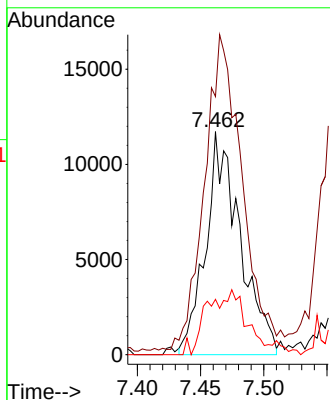
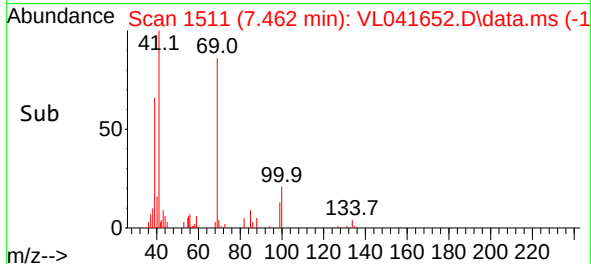
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 69 Resp: 22160
Ion Ratio Lower Upper
69 100
41 0.0 121.8 182.6
100 0.0 26.5 39.7

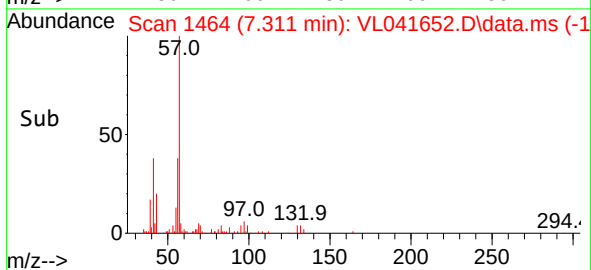
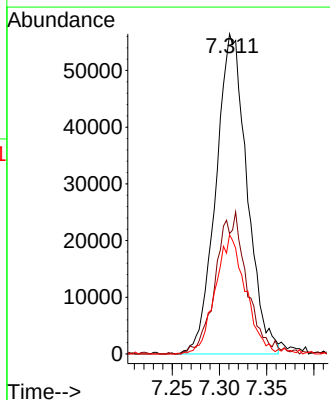
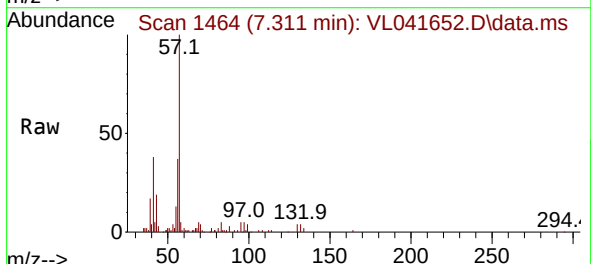
Manual Integrations
APPROVED

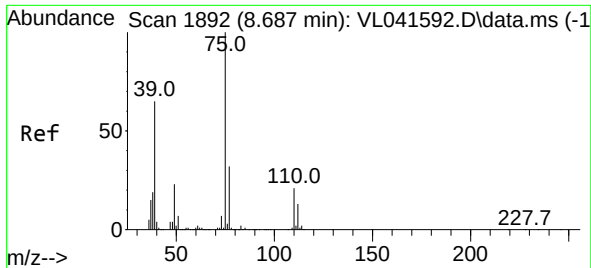
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#44
2,2,4-Trimethylpentane
Concen: 0.393 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 57 Resp: 129448
Ion Ratio Lower Upper
57 100
41 44.7 27.0 40.6
56 36.9 25.5 38.3





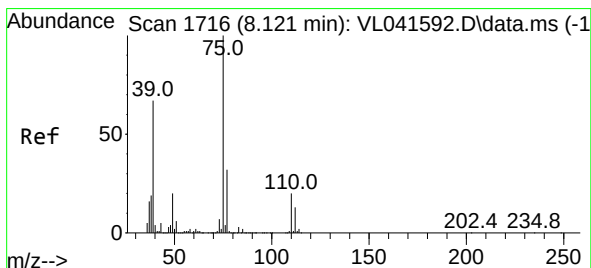
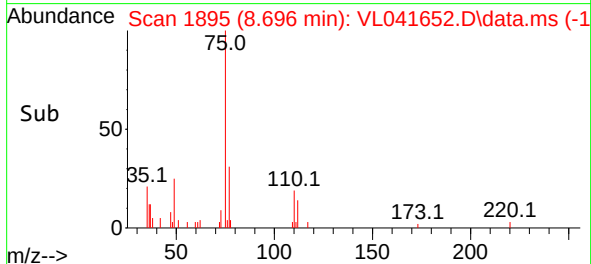
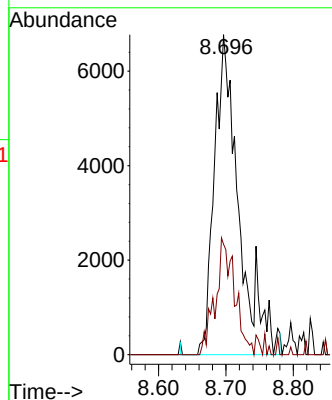
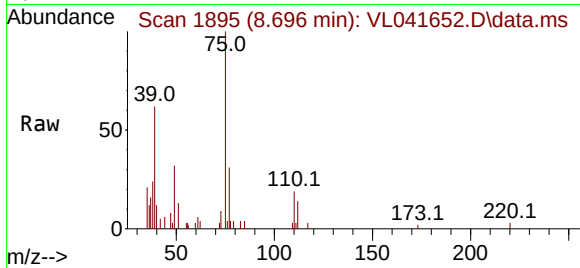
#45
t-1,3-Dichloropropene
Concen: 0.310 ppbv m
RT: 8.696 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 75 Resp: 16992
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

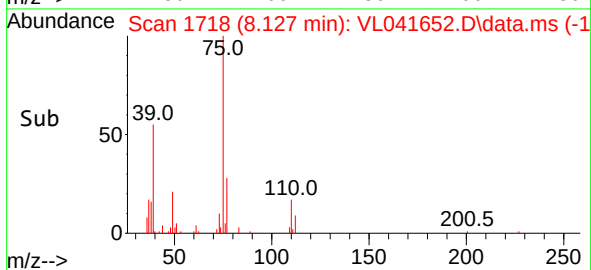
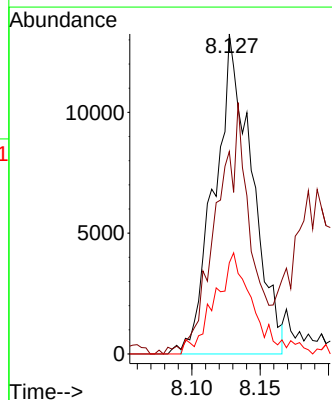
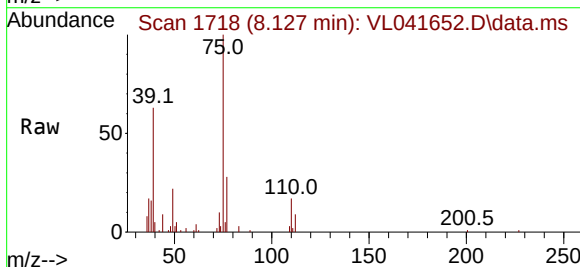
Manual Integrations
APPROVED

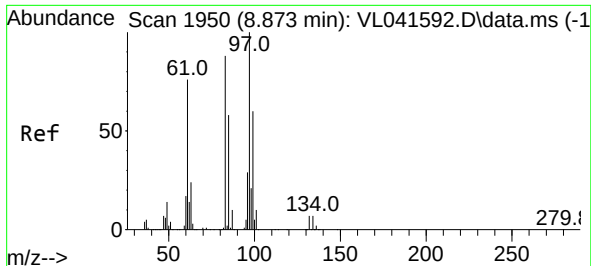
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#46
cis-1,3-Dichloropropene
Concen: 0.313 ppbv m
RT: 8.127 min Scan# 1718
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 75 Resp: 25200
Ion Ratio Lower Upper
75 100
39 63.2 54.0 81.0
77 28.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.480 ppbv m

RT: 8.889 min Scan# 1950

Delta R.T. 0.016 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2024

Tgt Ion: 97 Resp: 3943

Ion Ratio Lower Upper

97 100

83 86.5 70.2 105.4

85 54.3 46.3 69.5

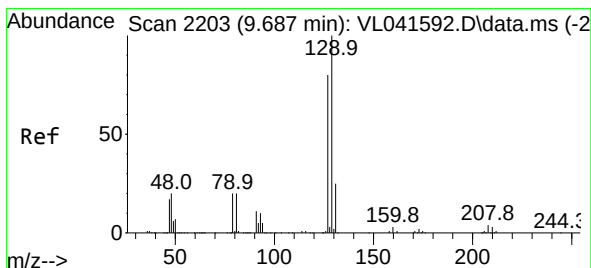
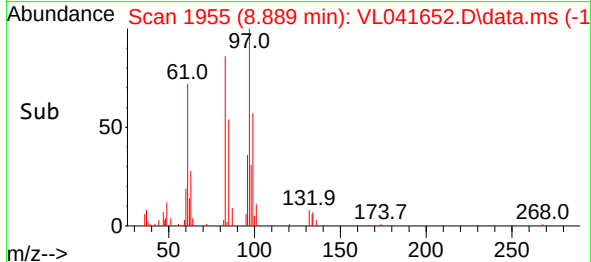
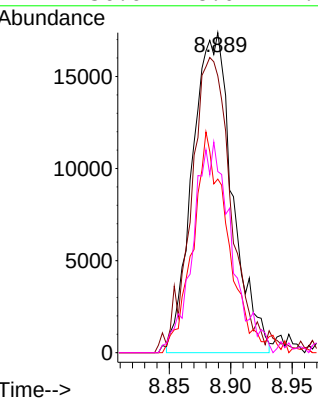
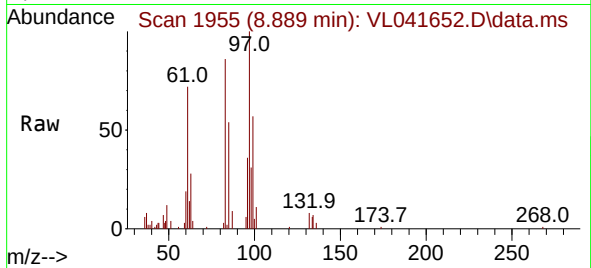
99 56.6 48.0 72.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024

Supervised By :Mahesh Dadoda 10/14/2024



#48

Dibromochloromethane

Concen: 0.396 ppbv

RT: 9.693 min Scan# 2205

Delta R.T. 0.007 min

Lab File: VL041652.D

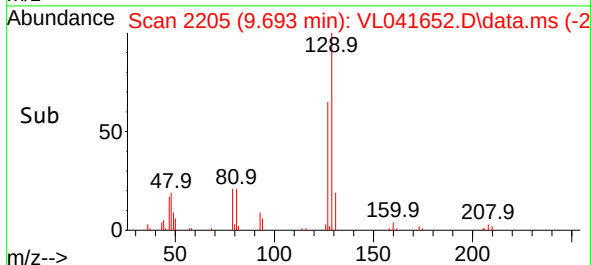
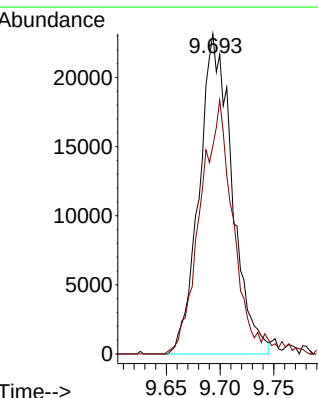
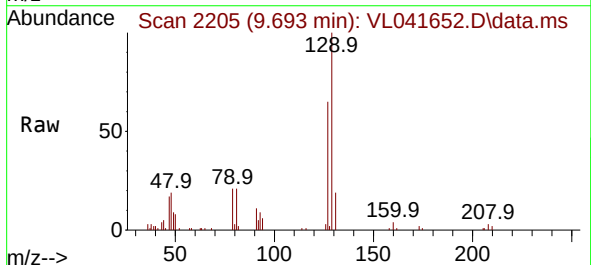
Acq: 10 Oct 2024 21:21

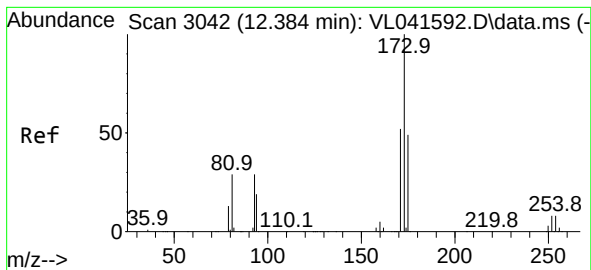
Tgt Ion:129 Resp: 49331

Ion Ratio Lower Upper

129 100

127 81.1 39.3 117.9





#49

Bromoform

Concen: 0.371 ppbv m

RT: 12.394 min Scan# 3042

Delta R.T. 0.010 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

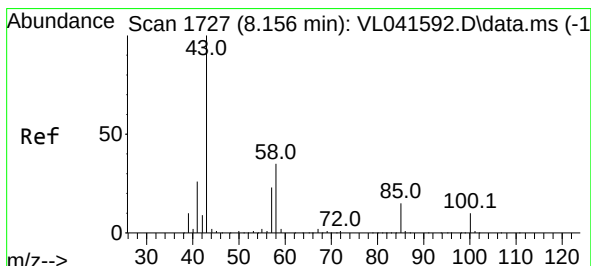
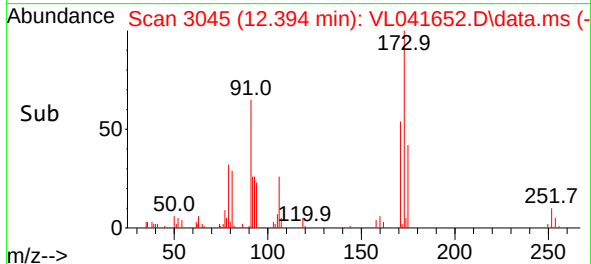
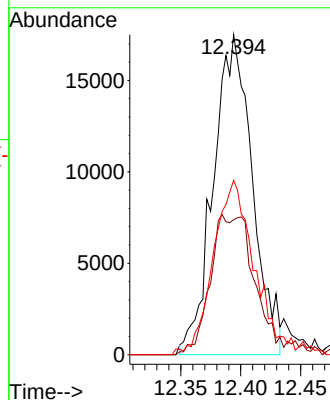
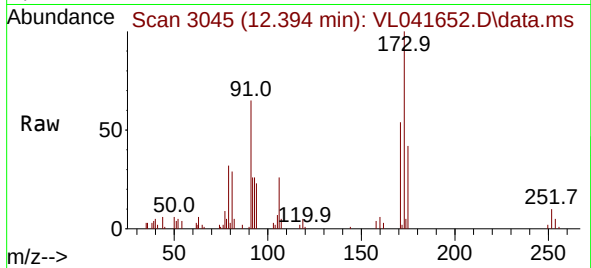
LOQ-AIR-02-QT4-2024

Tgt Ion:173 Resp: 39668
 Ion Ratio Lower Upper
 173 100
 175 0.0 40.1 60.1
 171 58.3 42.2 63.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#50

4-Methyl-2-Pentanone

Concen: 0.356 ppbv m

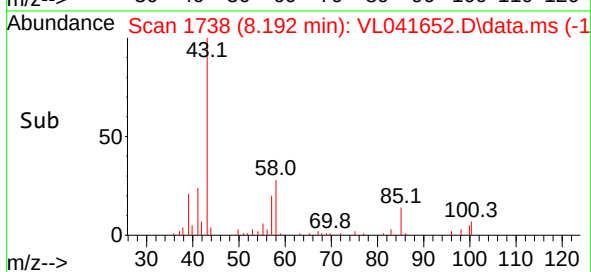
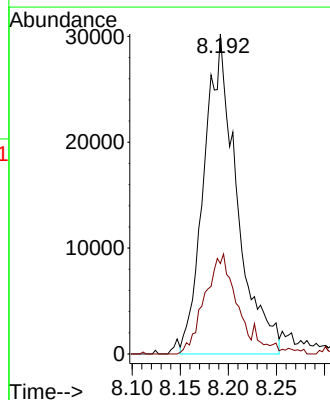
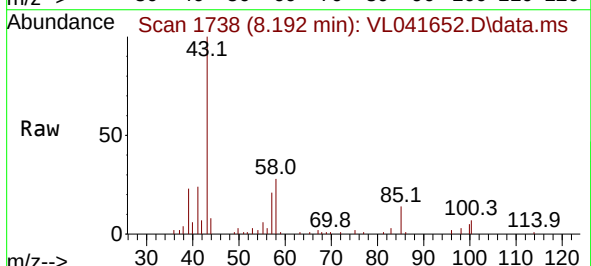
RT: 8.192 min Scan# 1738

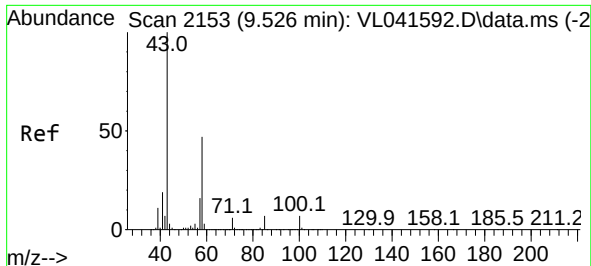
Delta R.T. 0.036 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

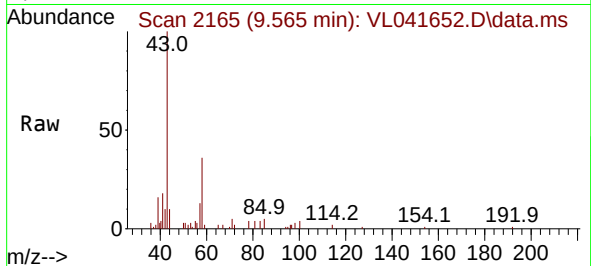
Tgt Ion: 43 Resp: 71737
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8





#51
2-Hexanone
Concen: 0.284 ppbv m
RT: 9.565 min Scan# 2153
Delta R.T. 0.039 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

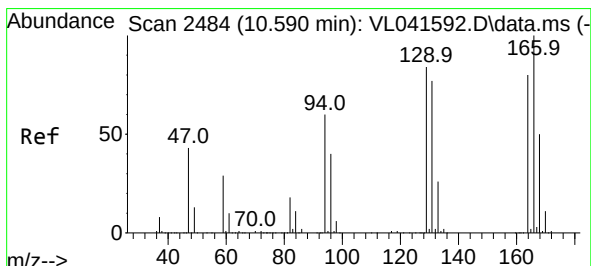
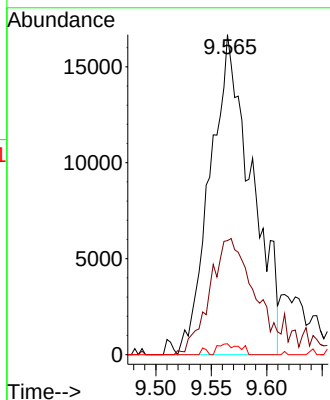
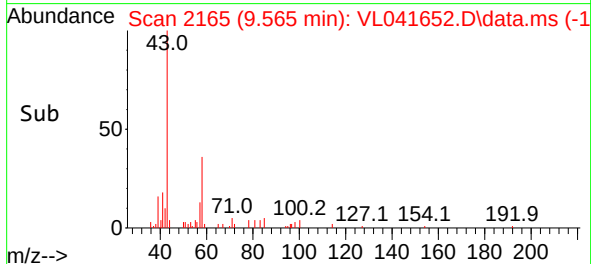
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 43 Resp: 4333
Ion Ratio Lower Upper
43 100
58 0.0 37.2 55.8
98 0.0 0.5 0.7

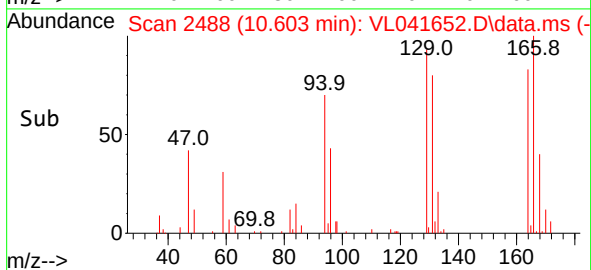
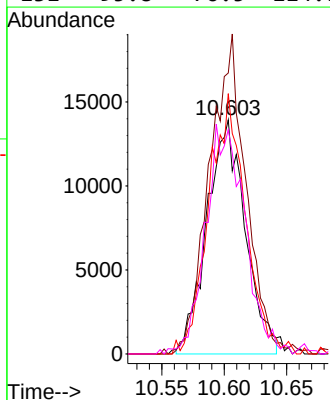
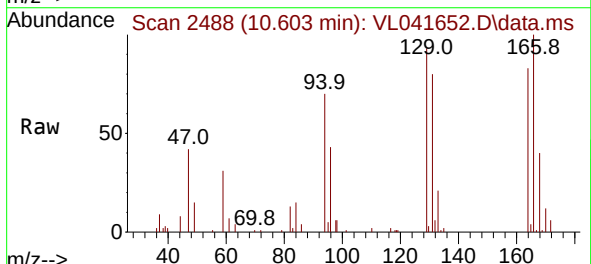
Manual Integrations
APPROVED

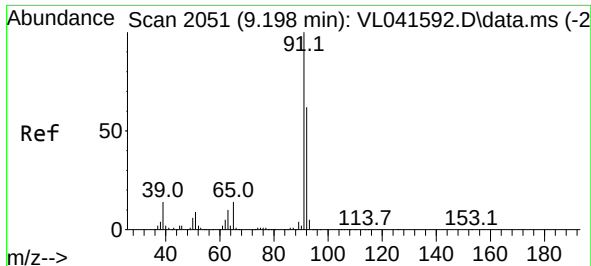
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#52
Tetrachloroethene
Concen: 0.433 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. 0.013 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion:164 Resp: 29839
Ion Ratio Lower Upper
164 100
166 120.1 99.4 149.2
129 111.2 83.5 125.3
131 95.8 76.5 114.7





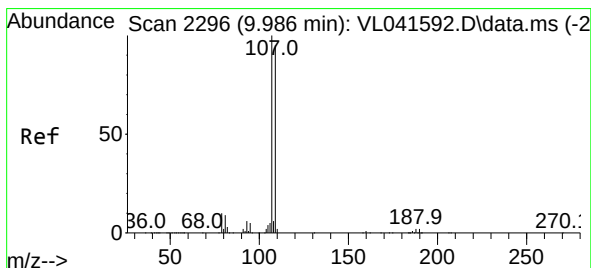
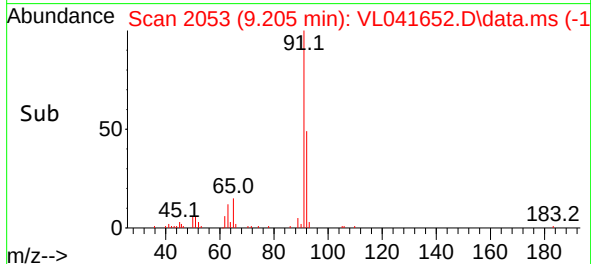
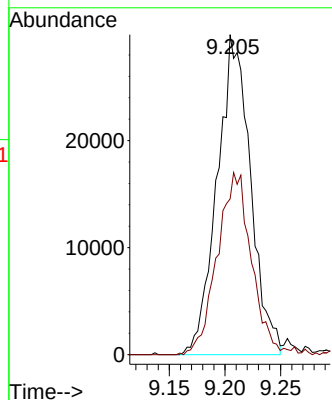
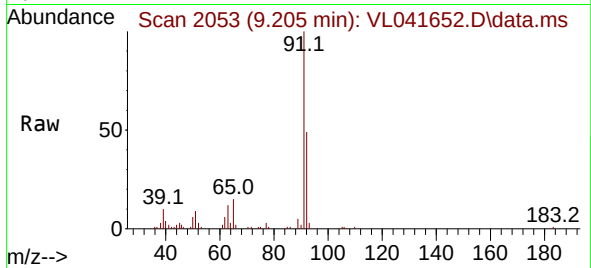
#53
Toluene
Concen: 0.308 ppbv
RT: 9.205 min Scan# 2051
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 91 Resp: 6217
Ion Ratio Lower Upper
91 100
92 58.8 48.9 73.3

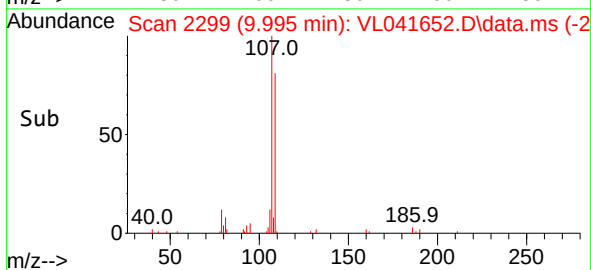
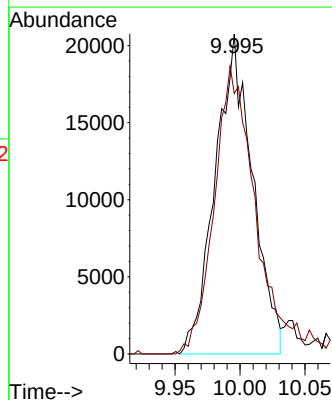
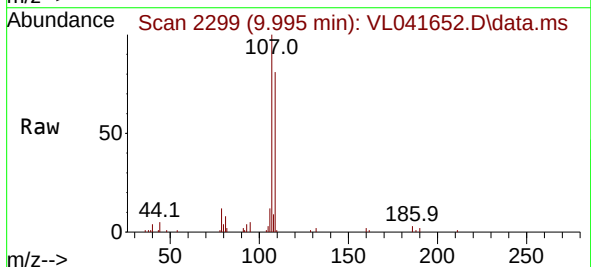
Manual Integrations
APPROVED

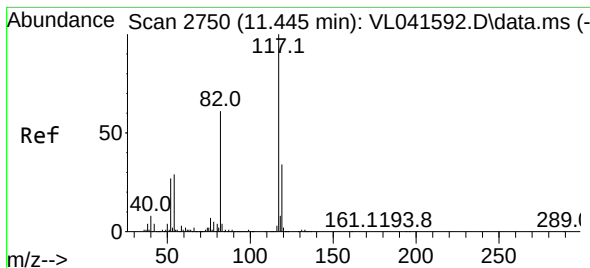
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#54
1,2-Dibromoethane
Concen: 0.410 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

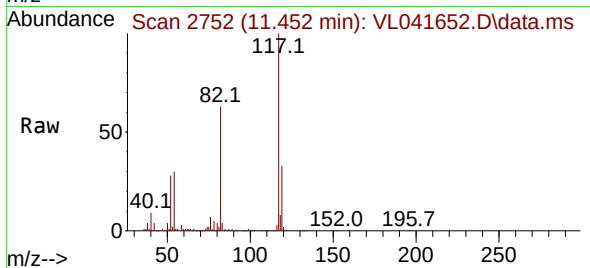
Tgt Ion:107 Resp: 41444
Ion Ratio Lower Upper
107 100
109 80.4 75.7 113.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

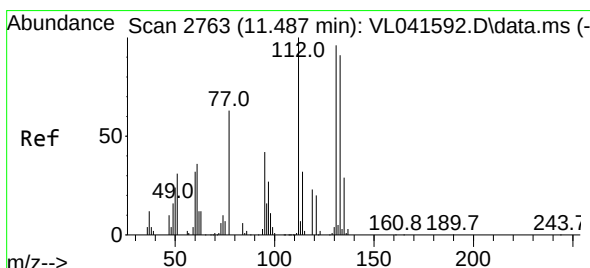
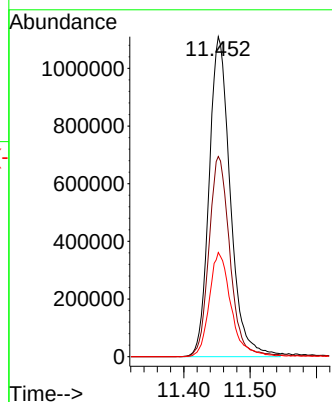
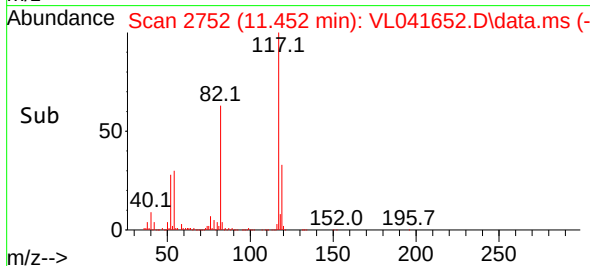
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



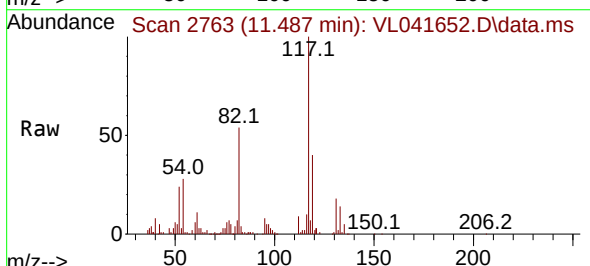
Tgt Ion:117 Resp: 2461624
Ion Ratio Lower Upper
117 100
82 62.6 49.4 74.2
119 33.7 24.4 36.6

Manual Integrations
APPROVED

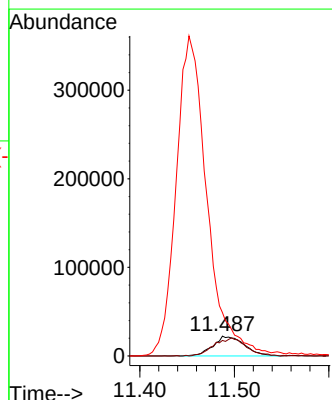
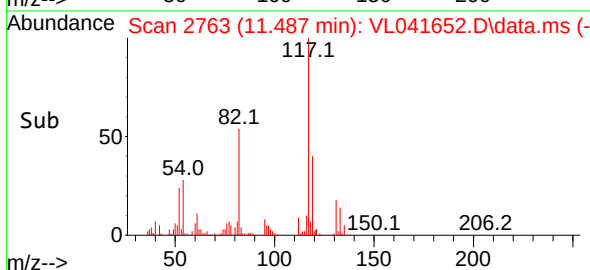
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

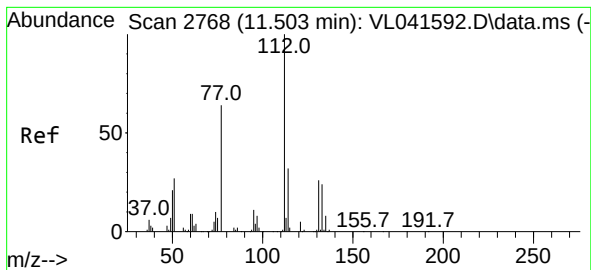


#56
1,1,1,2-Tetrachloroethane
Concen: 0.532 ppbv
RT: 11.487 min Scan# 2763
Delta R.T. 0.000 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21



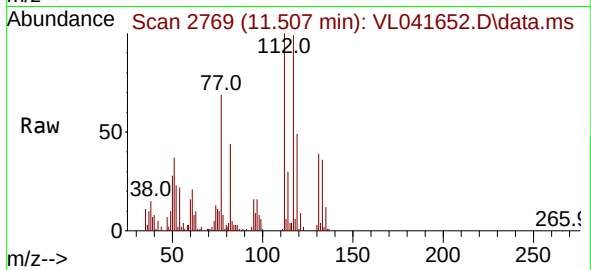
Tgt Ion:131 Resp: 51154
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 1624.9 48.5 72.7#





#57
Chlorobenzene
Concen: 0.524 ppbv m
RT: 11.507 min Scan# 2769
Delta R.T. 0.003 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

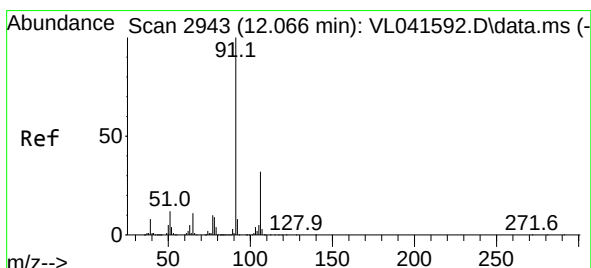
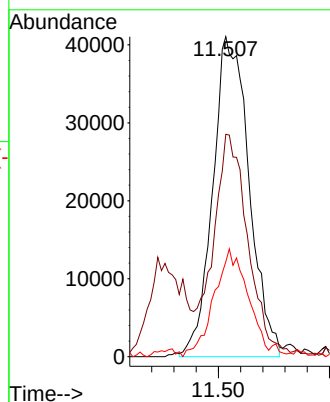
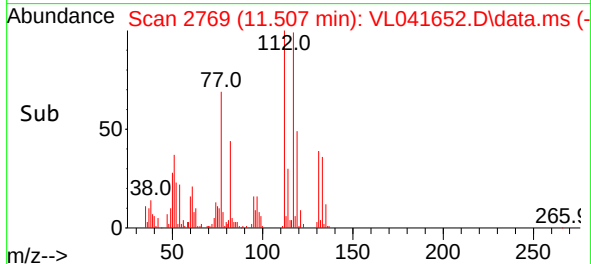
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion:112 Resp: 92984
Ion Ratio Lower Upper
112 100
77 69.5 52.0 78.0
114 29.7 28.6 35.0

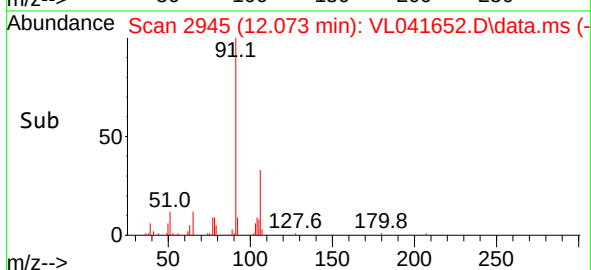
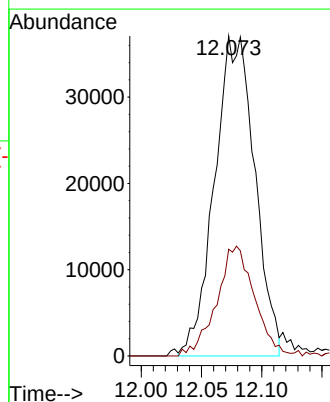
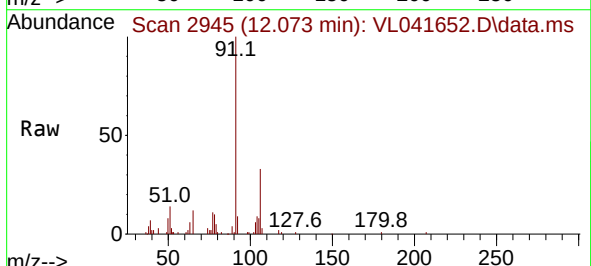
Manual Integrations
APPROVED

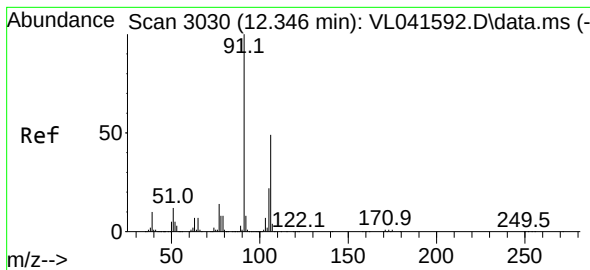
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#58
Ethyl Benzene
Concen: 0.326 ppbv m
RT: 12.073 min Scan# 2945
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

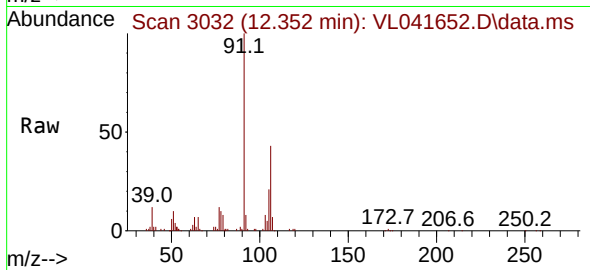
Tgt Ion: 91 Resp: 85921
Ion Ratio Lower Upper
91 100
106 33.4 25.8 38.6





#59
m/p-Xylene
Concen: 0.725 ppbv m
RT: 12.352 min Scan# 3032
Delta R.T. 0.007 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

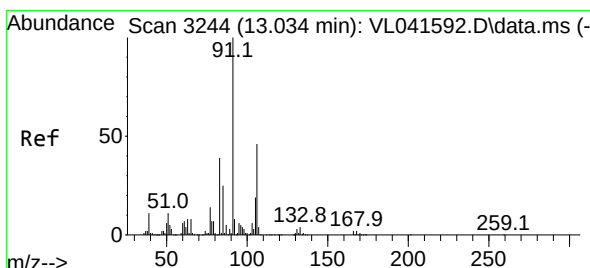
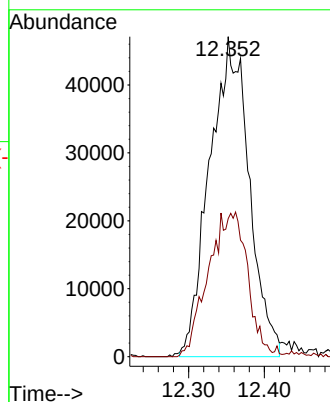
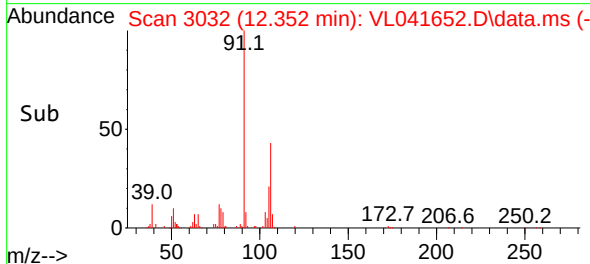
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion: 91 Resp: 169925
Ion Ratio Lower Upper
91 100
106 0.0 36.8 55.2

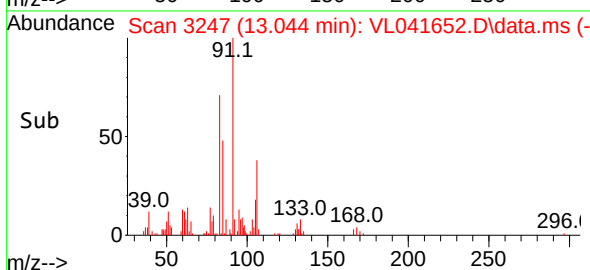
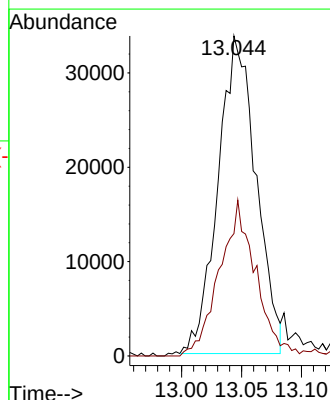
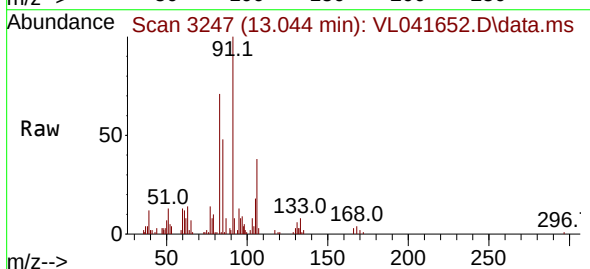
Manual Integrations
APPROVED

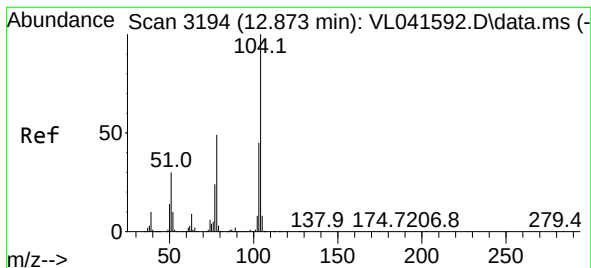
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#60
o-Xylene
Concen: 0.330 ppbv
RT: 13.044 min Scan# 3247
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 91 Resp: 74251
Ion Ratio Lower Upper
91 100
106 47.4 23.1 69.3





#61

Styrene

Concen: 0.254 ppbv m

RT: 12.886 min Scan# 3194

Delta R.T. 0.013 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

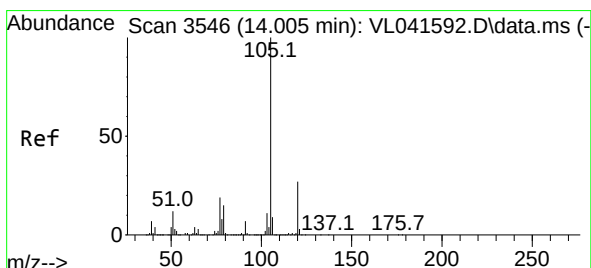
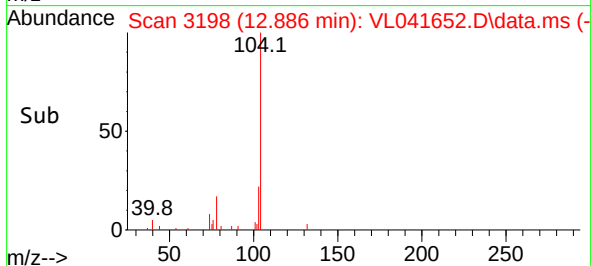
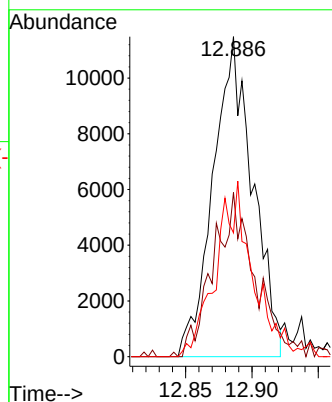
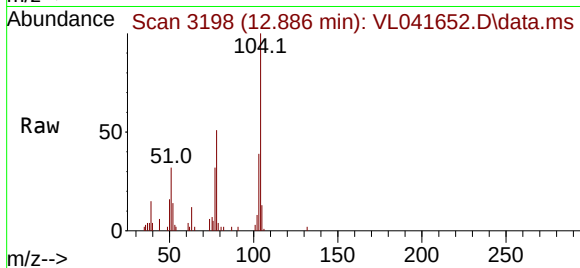
LOQ-AIR-02-QT4-2024

Tgt Ion:104	Resp:	23870
Ion Ratio	Lower	Upper
104	100	
78	55.4	39.8 59.6
103	0.0	37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#62

Isopropylbenzene

Concen: 0.432 ppbv

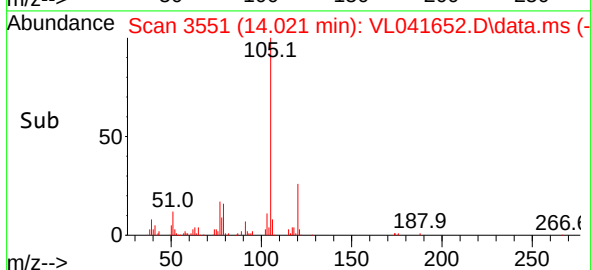
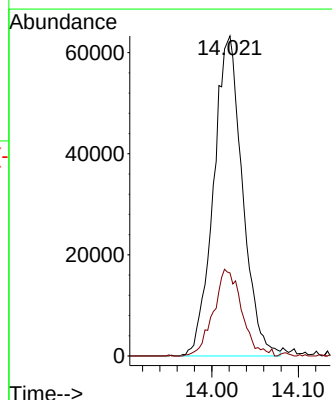
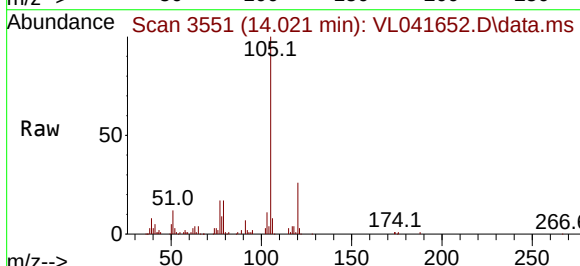
RT: 14.021 min Scan# 3551

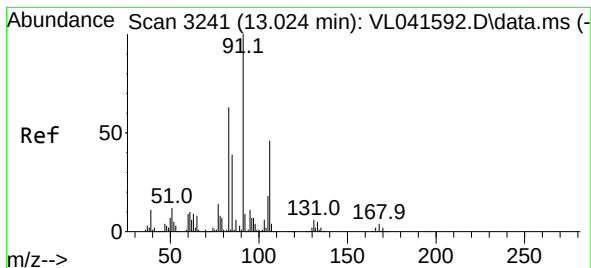
Delta R.T. 0.016 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

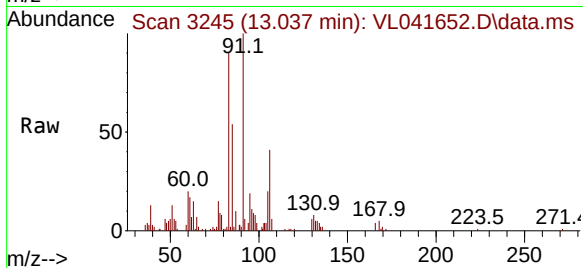
Tgt Ion:105	Resp:	147042
Ion Ratio	Lower	Upper
105	100	
120	26.8	20.9 31.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.522 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

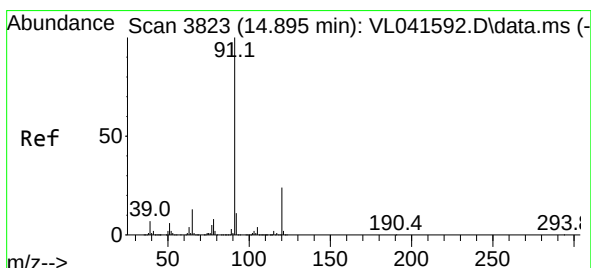
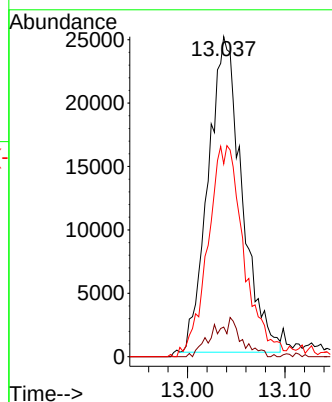
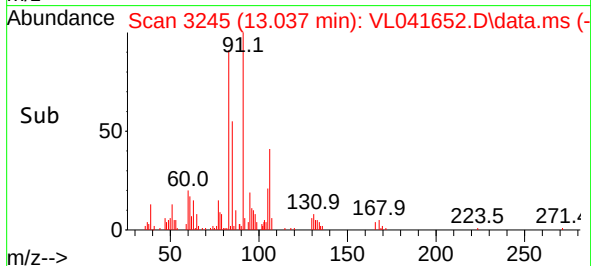
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



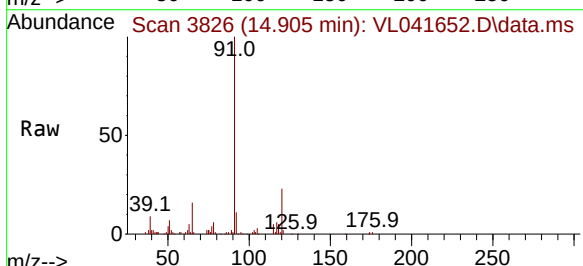
Tgt Ion: 83 Resp: 60018
Ion Ratio Lower Upper
83 100
131 10.5 4.8 14.4
85 73.7 32.5 97.4

Manual Integrations
APPROVED

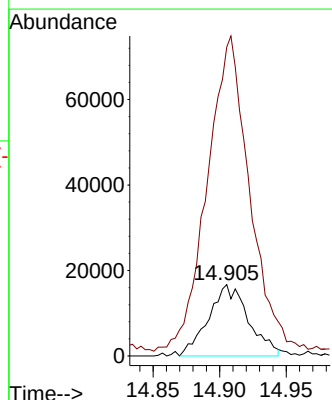
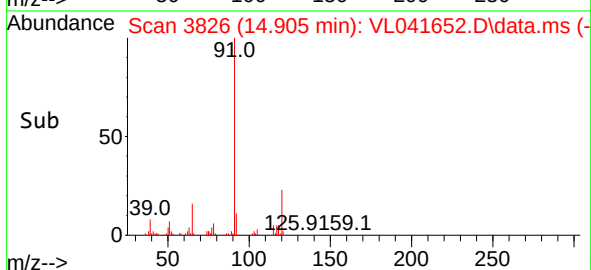
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

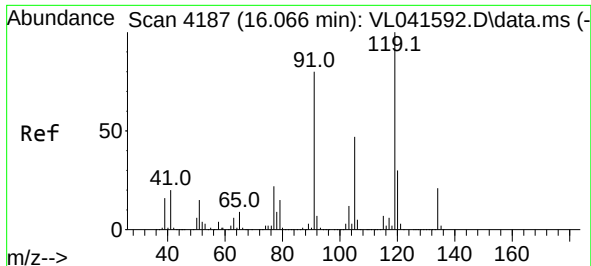


#64
n-propylbenzene
Concen: 0.396 ppbv m
RT: 14.905 min Scan# 3826
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21



Tgt Ion:120 Resp: 34866
Ion Ratio Lower Upper
120 100
91 0.0 366.4 549.6#





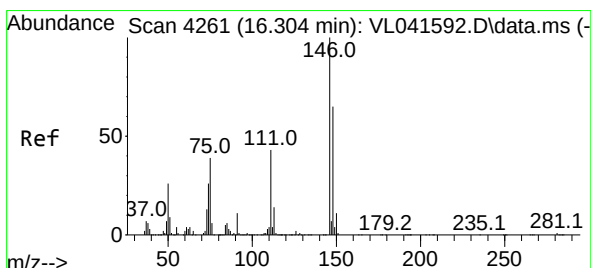
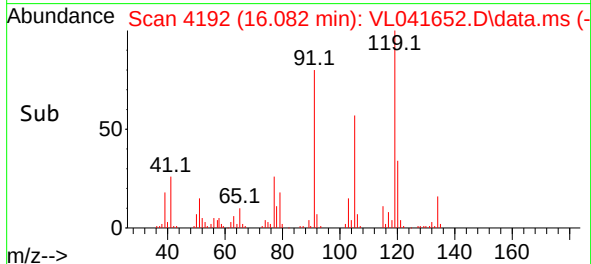
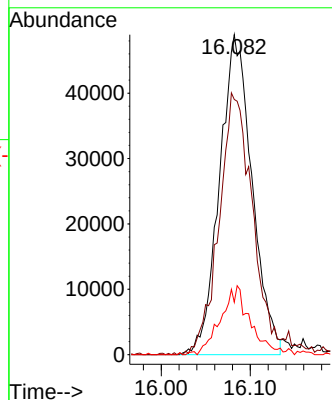
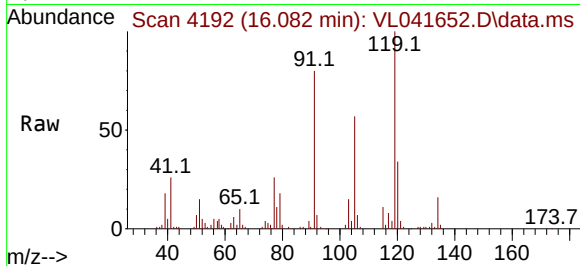
#65
tert-Butylbenzene
Concen: 0.398 ppbv
RT: 16.082 min Scan# 4187
Delta R.T. 0.016 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion:119 Resp: 124354
Ion Ratio Lower Upper
119 100
91 86.5 64.6 96.8
134 20.1 15.8 23.8

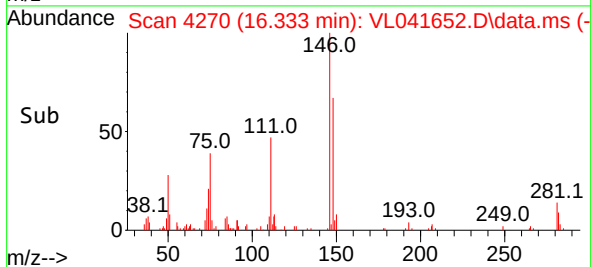
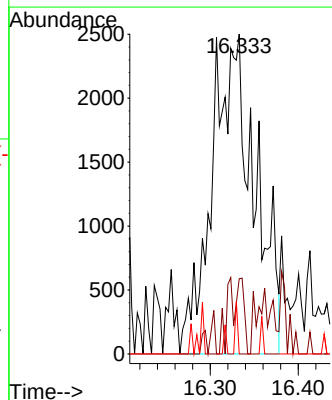
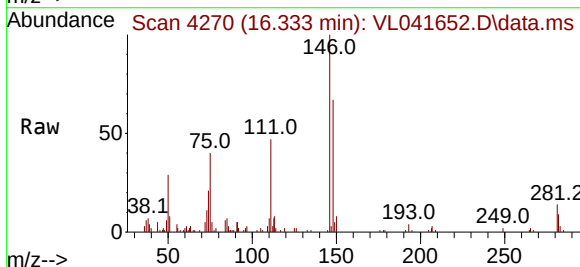
Manual Integrations
APPROVED

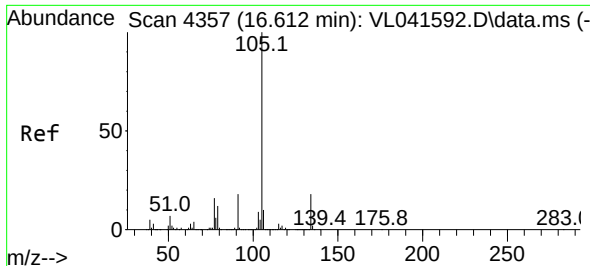
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#66
Benzyl Chloride
Concen: 0.514 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. 0.029 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

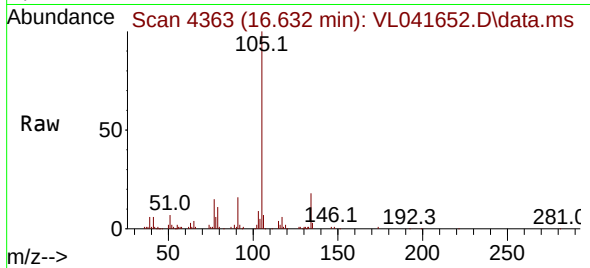
Tgt Ion: 91 Resp: 8338
Ion Ratio Lower Upper
91 100
126 10.3 15.4 23.2#
128 1.8 4.8 7.2#





#67
 sec-Butylbenzene
 Concen: 0.424 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

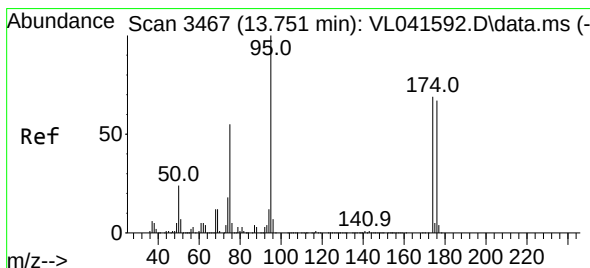
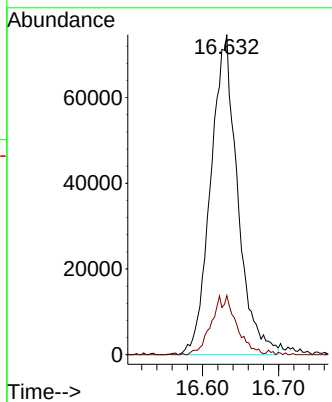
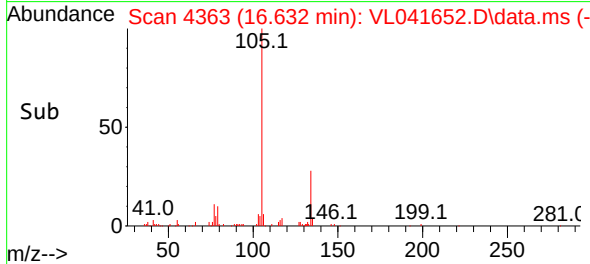
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024



Tgt Ion:105 Resp: 183592
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.6 21.8

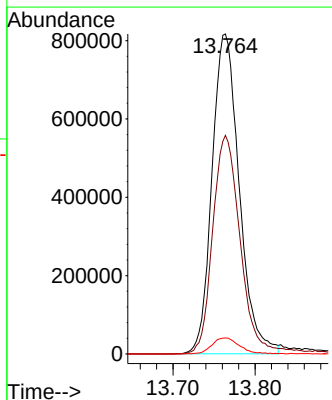
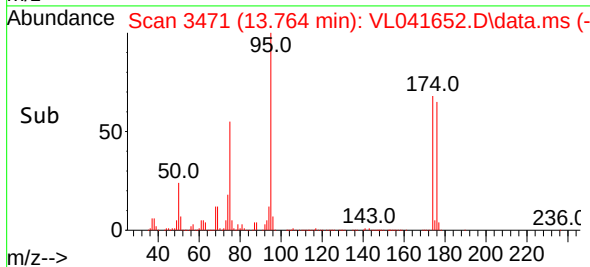
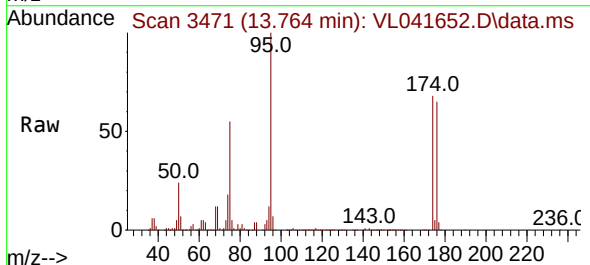
Manual Integrations
 APPROVED

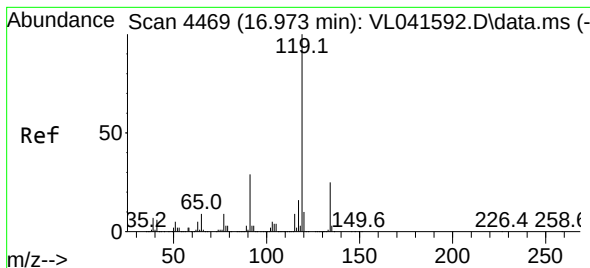
Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.407 ppbv
 RT: 13.764 min Scan# 3471
 Delta R.T. 0.013 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

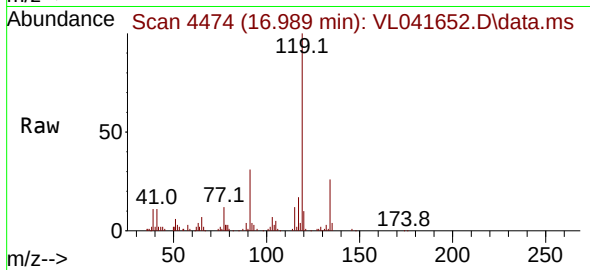
Tgt Ion: 95 Resp: 1885915
 Ion Ratio Lower Upper
 95 100
 174 70.9 55.8 83.8
 175 5.1 4.1 6.1





#69
p-Isopropyltoluene
Concen: 0.363 ppbv
RT: 16.989 min Scan# 4469
Delta R.T. 0.016 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

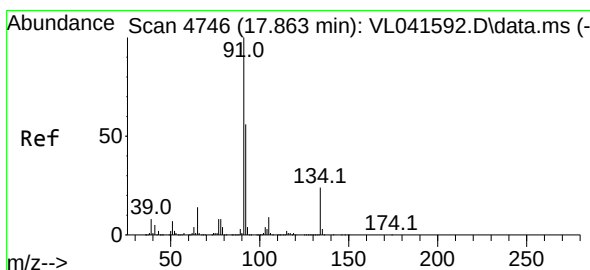
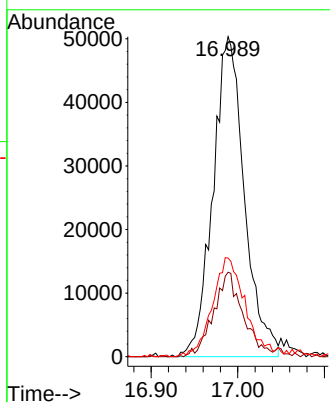
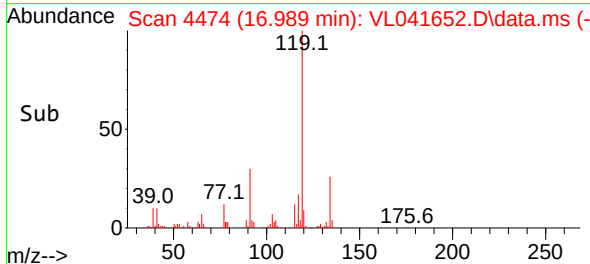
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



Tgt Ion:119 Resp: 12712
Ion Ratio Lower Upper
119 100
134 25.9 20.5 30.7
91 32.8 23.1 34.7

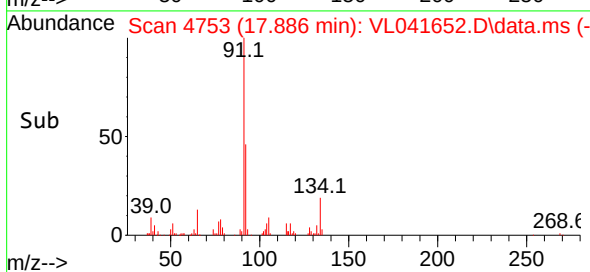
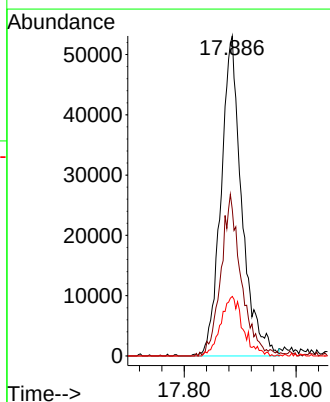
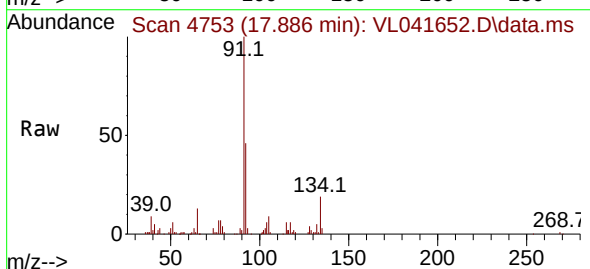
Manual Integrations
APPROVED

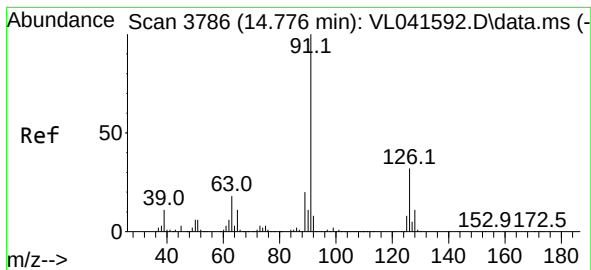
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#70
n-Butylbenzene
Concen: 0.373 ppbv m
RT: 17.886 min Scan# 4753
Delta R.T. 0.023 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion: 91 Resp: 137085
Ion Ratio Lower Upper
91 100
92 50.1 43.2 64.8
134 19.9 18.6 27.8





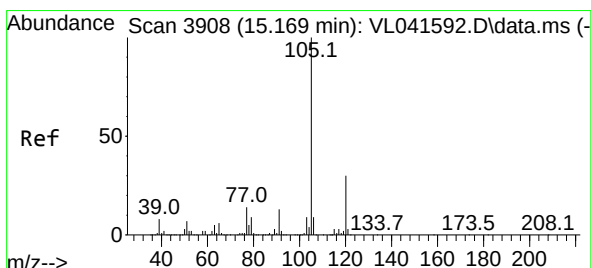
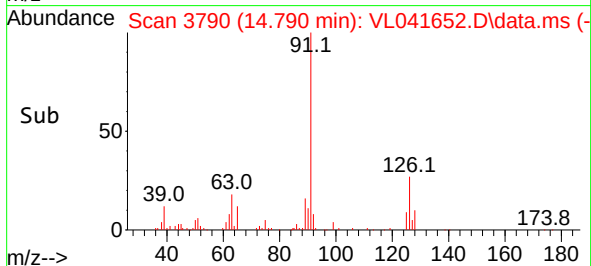
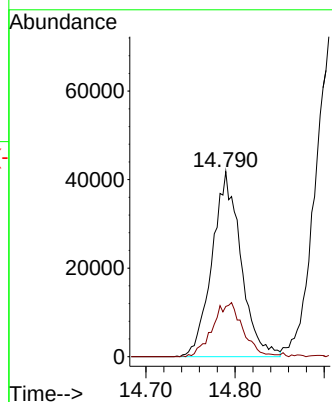
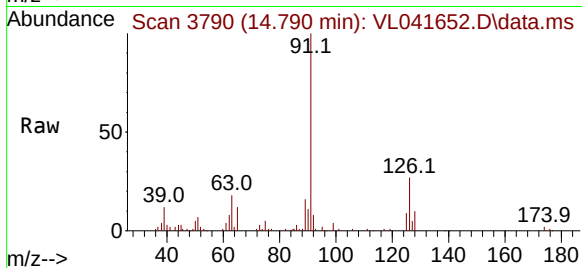
#71
2-Chlorotoluene
Concen: 0.375 ppbv
RT: 14.790 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion: 91 Resp: 94090
Ion Ratio Lower Upper
91 100
126 30.6 12.9 51.5

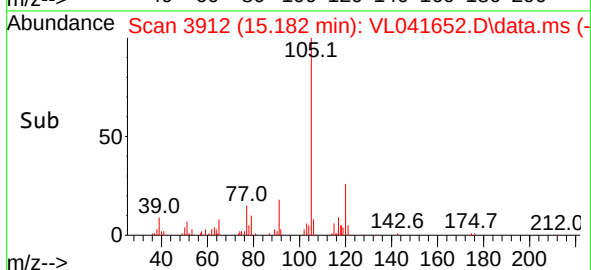
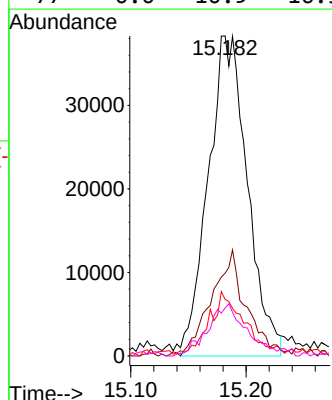
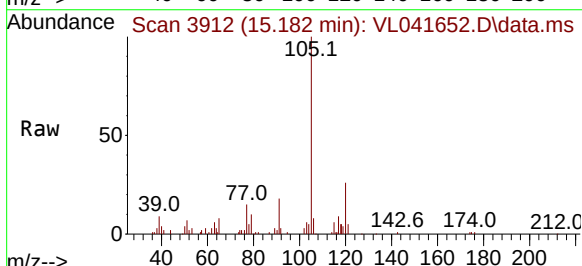
Manual Integrations
APPROVED

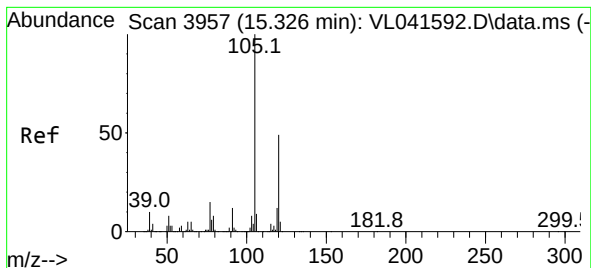
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#72
4-Ethyltoluene
Concen: 0.345 ppbv m
RT: 15.182 min Scan# 3912
Delta R.T. 0.013 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion:105 Resp: 90718
Ion Ratio Lower Upper
105 100
120 0.0 24.1 36.1#
91 20.5 10.2 15.2#
77 0.0 10.9 16.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.358 ppbv m

RT: 15.343 min Scan# 3957

Delta R.T. 0.016 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2024

Tgt Ion:105 Resp: 83064

Ion Ratio Lower Upper

105 100

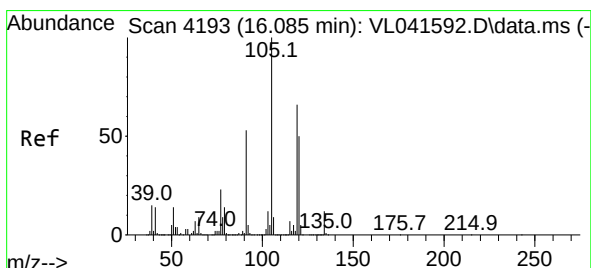
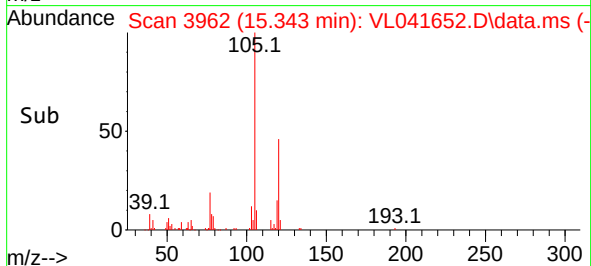
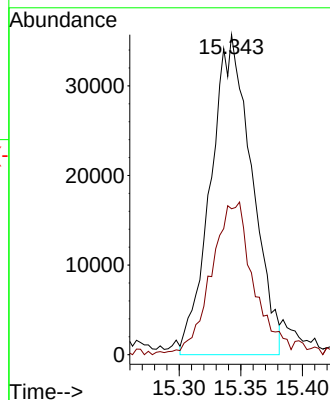
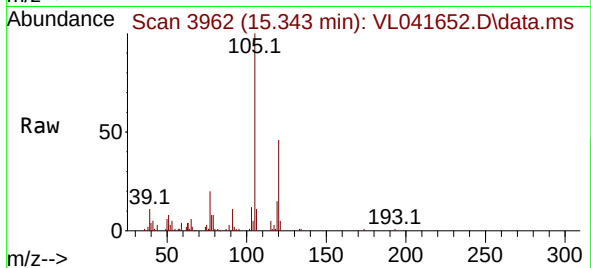
120 45.6 39.4 59.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024

Supervised By :Mahesh Dadoda 10/14/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.405 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.013 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Tgt Ion:105 Resp: 110013

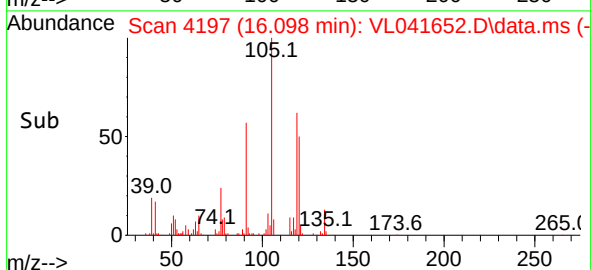
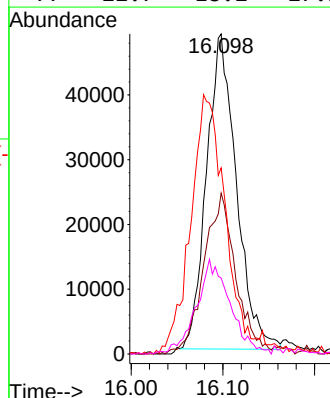
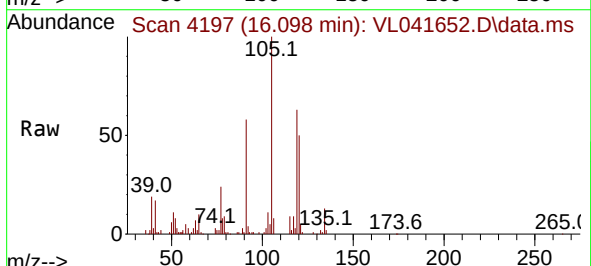
Ion Ratio Lower Upper

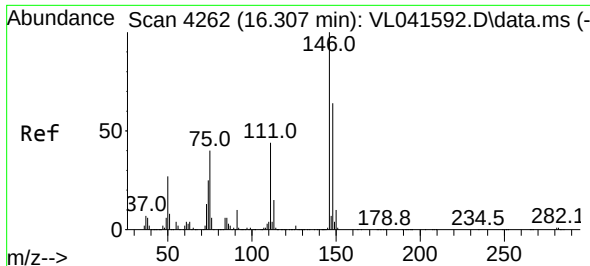
105 100

120 48.6 39.9 59.9

91 57.3 42.6 63.8

77 22.7 18.2 27.2





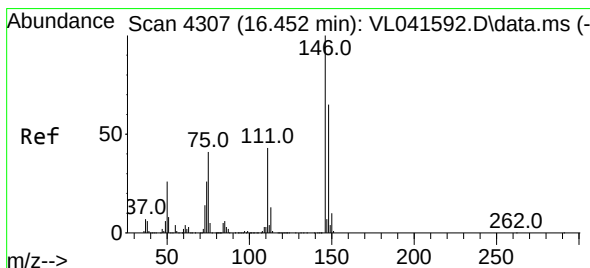
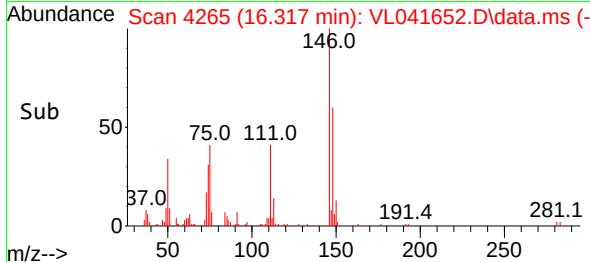
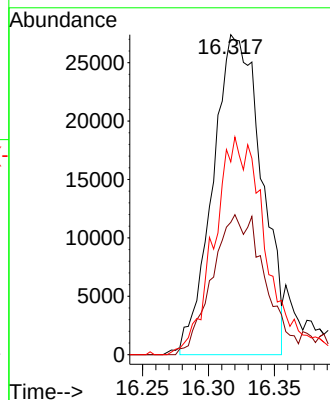
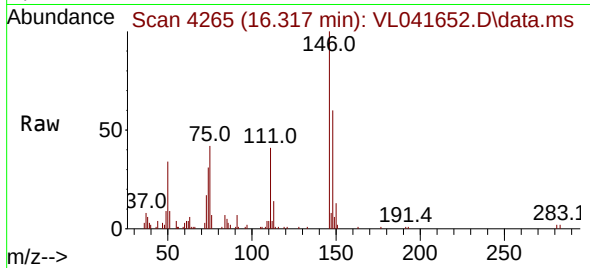
#75
1,3-Dichlorobenzene
Concen: 0.414 ppbv m
RT: 16.317 min Scan# 4312
Delta R.T. 0.010 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024

Tgt Ion:146 Resp: 70438
Ion Ratio Lower Upper
146 100
111 50.6 22.4 67.0
148 74.1 32.1 96.5

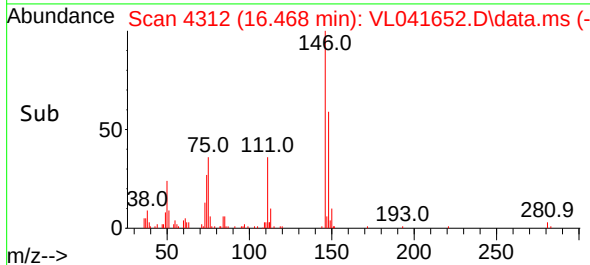
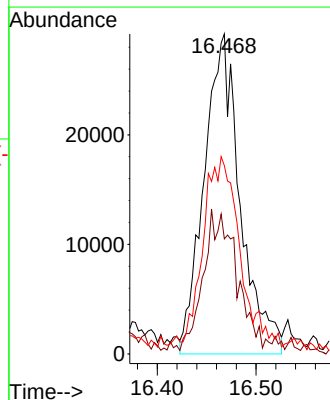
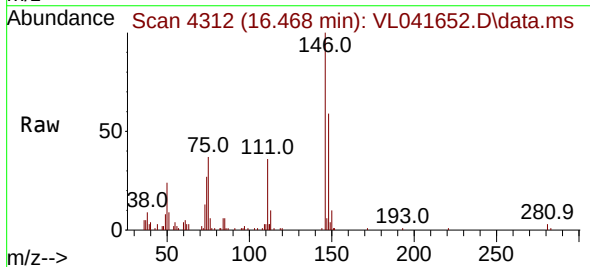
Manual Integrations
APPROVED

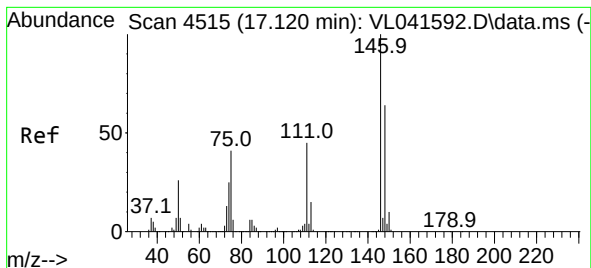
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#76
1,4-Dichlorobenzene
Concen: 0.456 ppbv m
RT: 16.468 min Scan# 4312
Delta R.T. 0.016 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

Tgt Ion:146 Resp: 74318
Ion Ratio Lower Upper
146 100
111 45.3 22.4 67.3
148 59.3 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 0.479 ppbv m

RT: 17.130 min Scan# 4515

Delta R.T. 0.010 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

Instrument :

MSVOA_L

ClientSampleId :

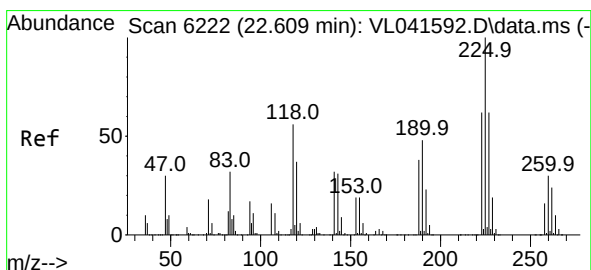
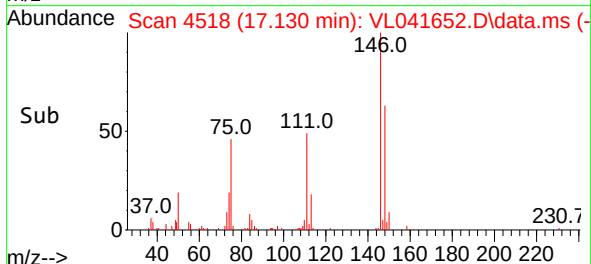
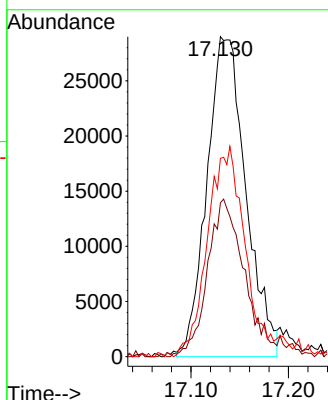
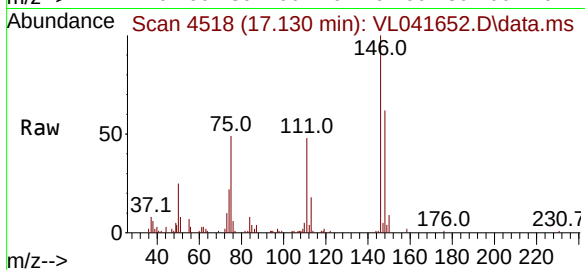
LOQ-AIR-02-QT4-2024

Tgt Ion:	146	Resp:	80449
Ion Ratio	Lower	Upper	
146	100		
111	0.0	23.4	70.0
148	0.0	32.5	97.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024



#78

Hexachloro-1,3-Butadiene

Concen: 0.480 ppbv m

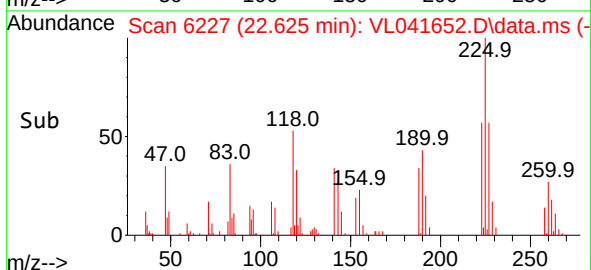
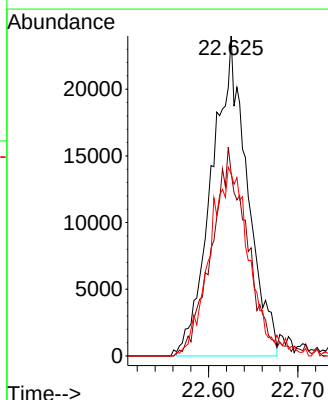
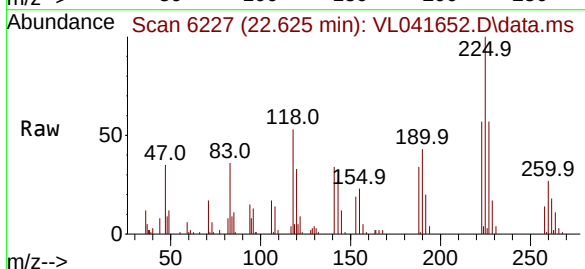
RT: 22.625 min Scan# 6227

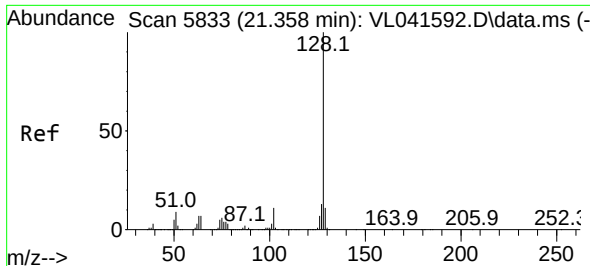
Delta R.T. 0.016 min

Lab File: VL041652.D

Acq: 10 Oct 2024 21:21

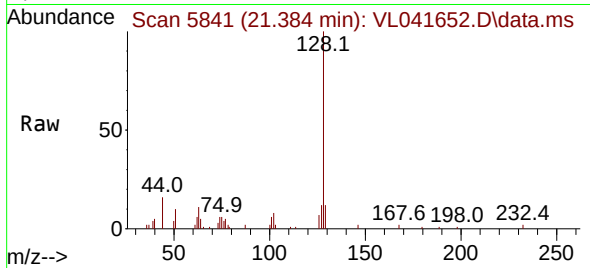
Tgt Ion:	225	Resp:	66525
Ion Ratio	Lower	Upper	
225	100		
223	66.8	50.6	75.8
227	66.8	50.9	76.3





#79
Naphthalene
Concen: 0.232 ppbv m
RT: 21.384 min Scan# 5841
Delta R.T. 0.026 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21

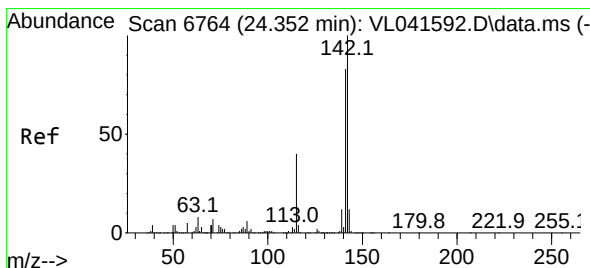
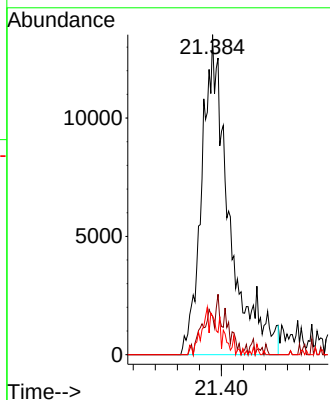
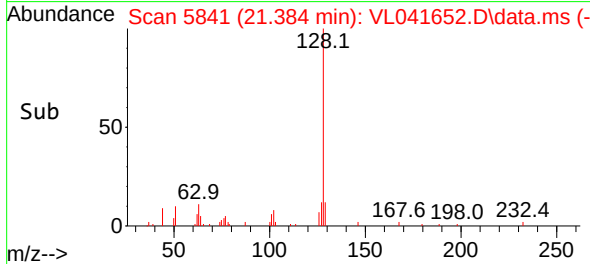
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2024



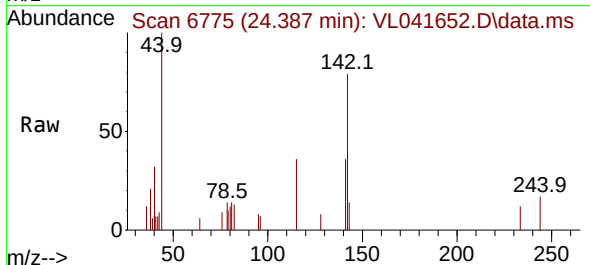
Tgt Ion:128 Resp: 4642
Ion Ratio Lower Upper
128 100
127 12.0 10.1 15.1
129 12.0 9.1 13.7

Manual Integrations
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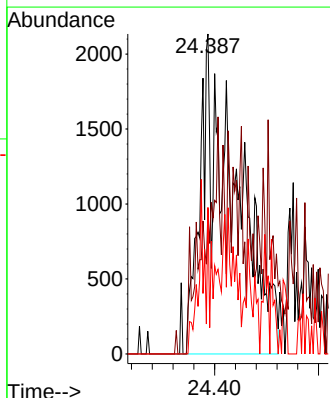
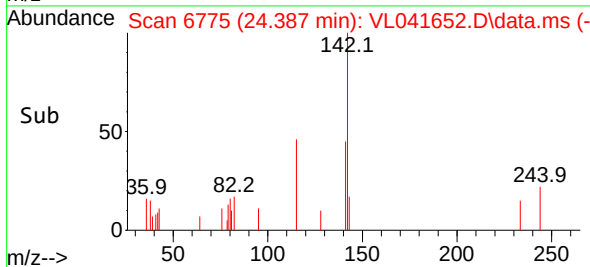
Reviewed By :Semsettin Yesilyurt 10/11/2024
Supervised By :Mahesh Dadoda 10/14/2024

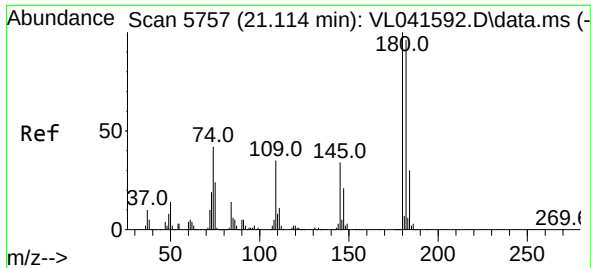


#80
Naphthalene,2-methyl-
Concen: 0.071 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.036 min
Lab File: VL041652.D
Acq: 10 Oct 2024 21:21



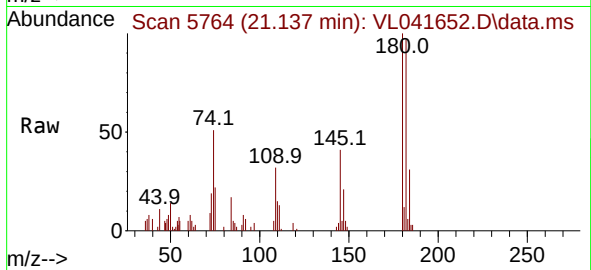
Tgt Ion:142 Resp: 9940
Ion Ratio Lower Upper
142 100
141 0.0 66.3 99.5#
115 13.4 31.4 47.2#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.274 ppbv m
 RT: 21.137 min Scan# 51
 Delta R.T. 0.023 min
 Lab File: VL041652.D
 Acq: 10 Oct 2024 21:21

Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024



Tgt Ion:180 Resp: 34790
 Ion Ratio Lower Upper
 180 100
 182 88.5 76.5 114.7
 184 28.5 24.7 37.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/11/2024
 Supervised By :Mahesh Dadoda 10/14/2024

