

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040806.D
 Acq On : 25 Oct 2023 18:50
 Operator : SY/MD
 Sample : 04699-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:54:13 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	916187	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2387536	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.445	117	2183536	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1700555 10.584 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.754	85	22427	0.139	ppbv	100
3) Chlorodifluoromethane	2.697	51	18539	0.138	ppbv	98
4) Chloromethane	2.838	50	7450m	0.140	ppbv	
5) Vinyl Chloride	2.944	62	5513	0.100	ppbv #	25
6) Bromomethane	3.140	94	2425m	0.107	ppbv	
7) Chloroethane	3.217	64	1978	0.111	ppbv #	72
8) Dichlorotetrafluoroethane	2.880	85	15753m	0.129	ppbv	
9) Propene	2.716	41	7763m	0.155	ppbv	
10) Heptane	7.568	43	13435m	0.107	ppbv	
11) Trichlorofluoromethane	3.571	101	14944	0.120	ppbv #	81
12) 1,1,2-Trichlorotrifluo...	4.076	101	10623	0.120	ppbv	94
13) Ethanol	3.279	45	2462m	0.218	ppbv	
14) Bromoethene	3.388	108	4140m	0.109	ppbv	
15) Acetone	3.504	43	19595	0.207	ppbv #	80
16) 1,3-Butadiene	3.005	39	5363	0.108	ppbv #	73
17) tert-Butyl alcohol	3.918	59	10416m	0.107	ppbv	
18) 1,1-Dichloroethene	3.893	96	4737m	0.119	ppbv	
19) Isopropyl Alcohol	3.623	45	8995m	0.148	ppbv	
20) Methylene Chloride	3.941	84	13981m	0.354	ppbv	
21) Allyl Chloride	4.002	41	6935m	0.111	ppbv	
22) trans-1,2-Dichloroethene	4.455	96	4487m	0.106	ppbv	
23) Vinyl Acetate	4.645	43	12290m	0.102	ppbv	
24) 1,1-Dichloroethane	4.565	63	10827m	0.119	ppbv	
25) Ethyl Acetate	5.214	43	24283m	0.117	ppbv	
26) Hexane	5.211	57	14003m	0.148	ppbv	
27) Carbon Disulfide	4.134	76	11339m	0.108	ppbv	
28) Methyl tert-Butyl Ether	4.610	73	7901	0.107	ppbv	94
29) Chloroform	5.269	83	17768m	0.129	ppbv	
30) Cyclohexane	6.594	84	6347m	0.079	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	10959m	0.125	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	14148m	0.097	ppbv	
34) 2-Butanone	4.815	43	15279m	0.141	ppbv	
35) Carbon Tetrachloride	6.484	117	14197m	0.106	ppbv	
36) Benzene	6.362	78	20301	0.111	ppbv #	81
37) 1,2-Dichloroethane	5.806	62	11738m	0.125	ppbv	
38) Trichloroethene	7.278	130	6979m	0.086	ppbv	
39) 1,2-Dichloropropane	7.066	63	10022m	0.140	ppbv	
40) 1,4-Dioxane	7.330	88	3764m	0.139	ppbv	
41) Tetrahydrofuran	5.587	42	6716m	0.090	ppbv	
42) Bromodichloromethane	7.240	83	14096	0.100	ppbv #	55
43) Methyl Methacrylate	7.478	69	6143m	0.084	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	31017	0.100	ppbv #	86
45) t-1,3-Dichloropropene	8.696	75	3808m	0.065	ppbv	

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 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:54:13 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

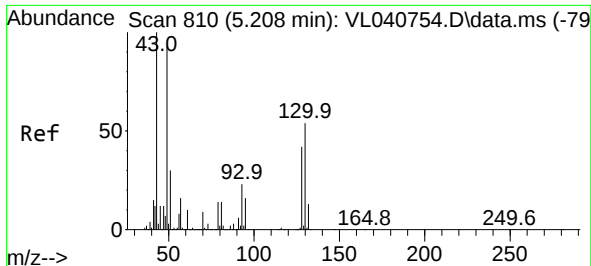
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

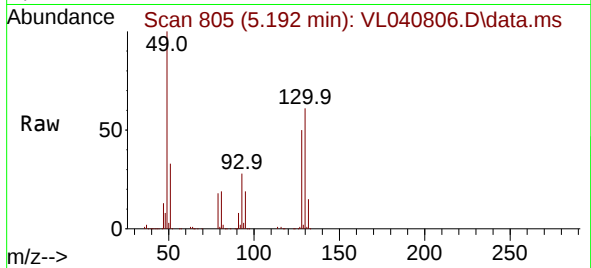
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	6064m	0.085	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	8301m	0.110	ppbv	
48) Dibromochloromethane	9.700	129	10533m	0.083	ppbv	
49) Bromoform	12.381	173	8210m	0.080	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	15856m	0.086	ppbv	
52) Tetrachloroethene	10.603	164	7804m	0.105	ppbv	
53) Toluene	9.201	91	19102m	0.087	ppbv	
54) 1,2-Dibromoethane	9.992	107	11614m	0.110	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.490	131	9714m	0.109	ppbv	
57) Chlorobenzene	11.507	112	17781	0.114	ppbv #	56
58) Ethyl Benzene	12.063	91	25528m	0.093	ppbv	
59) m/p-Xylene	12.342	91	41214m	0.182	ppbv	
60) o-Xylene	13.047	91	19359m	0.090	ppbv	
61) Styrene	12.873	104	7837m	0.066	ppbv	
62) Isopropylbenzene	14.008	105	34627m	0.104	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.034	83	17261m	0.107	ppbv	
64) n-propylbenzene	14.908	120	8612m	0.097	ppbv	
65) tert-Butylbenzene	16.069	119	26641m	0.089	ppbv	
66) Benzyl Chloride	16.349	91	1307m	0.043	ppbv	
67) sec-Butylbenzene	16.622	105	42183m	0.103	ppbv	
69) p-Isopropyltoluene	16.982	119	26405m	0.077	ppbv	
70) n-Butylbenzene	17.860	91	28714m	0.085	ppbv	
71) 2-Chlorotoluene	14.773	91	23909m	0.096	ppbv	
72) 4-Ethyltoluene	15.178	105	23660m	0.094	ppbv	
73) 1,3,5-Trimethylbenzene	15.333	105	19835m	0.089	ppbv	
74) 1,2,4-Trimethylbenzene	16.072	105	22089m	0.091	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	16446m	0.109	ppbv	
76) 1,4-Dichlorobenzene	16.461	146	14952m	0.100	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	15130m	0.102	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	11250m	0.106	ppbv	
79) Naphthalene	21.377	128	6545m	0.033	ppbv	
81) 1,2,4-Trichlorobenzene	21.130	180	5022m	0.047	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. -0.016 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

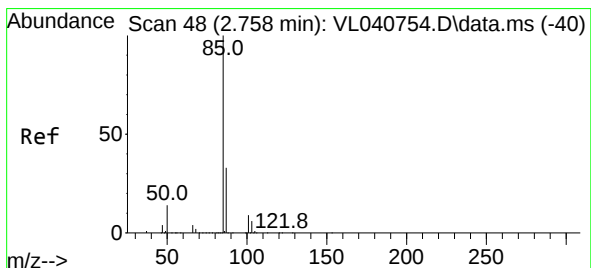
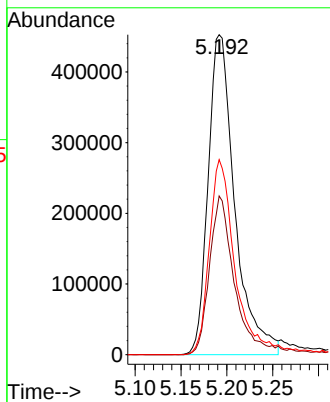
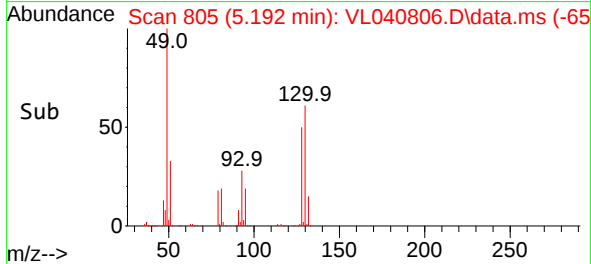
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 91618
Ion Ratio Lower Upper
49 100
128 48.3 23.9 71.7
130 61.0 30.7 92.1

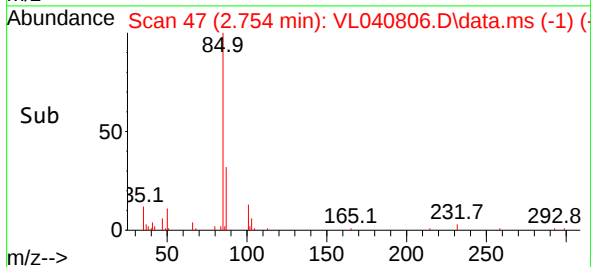
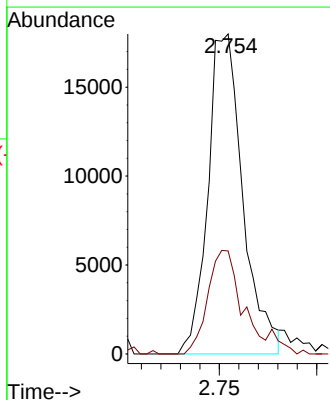
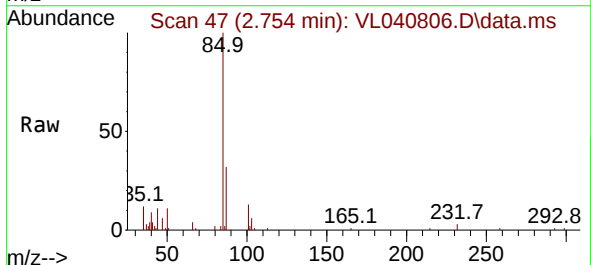
Manual Integrations
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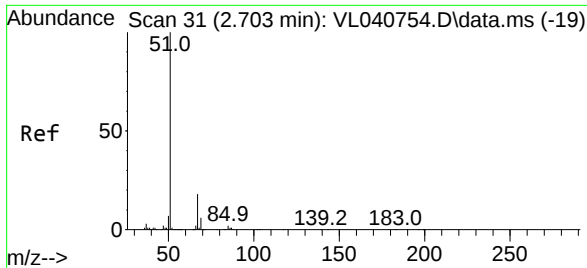
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.139 ppbv
RT: 2.754 min Scan# 47
Delta R.T. -0.003 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 85 Resp: 22427
Ion Ratio Lower Upper
85 100
87 32.2 26.0 39.0





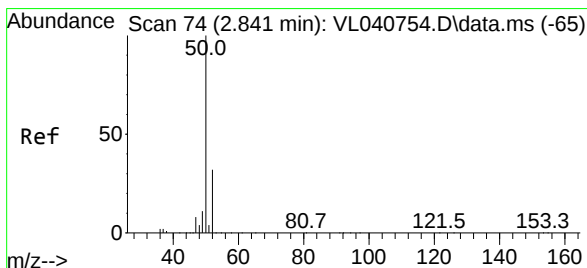
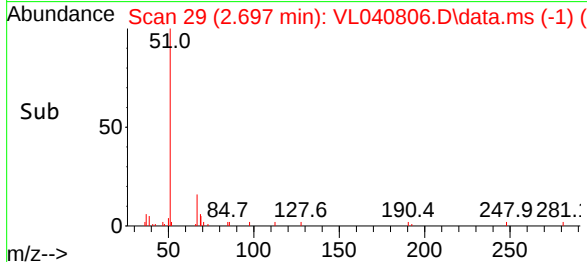
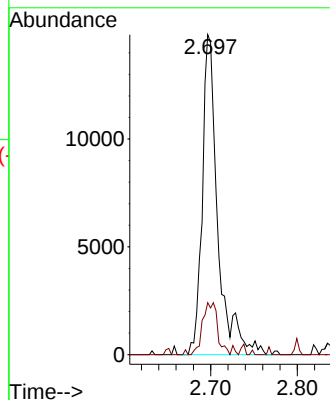
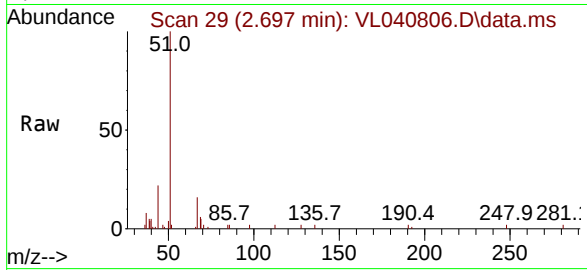
#3
Chlorodifluoromethane
Concen: 0.138 ppbv
RT: 2.697 min Scan# 29
Delta R.T. -0.007 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL

Tgt Ion: 51 Resp: 18539
Ion Ratio Lower Upper
51 100
67 16.4 13.8 20.6

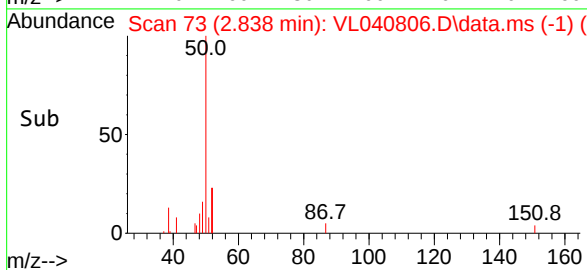
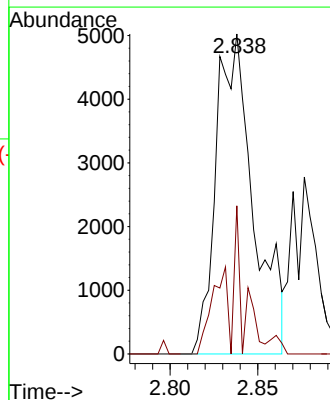
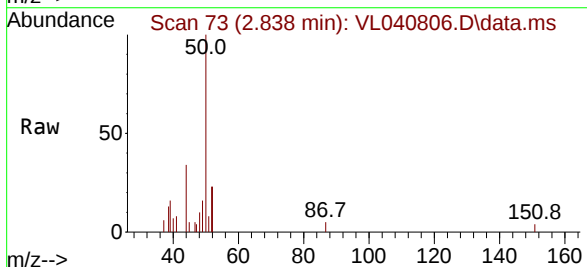
Manual Integrations
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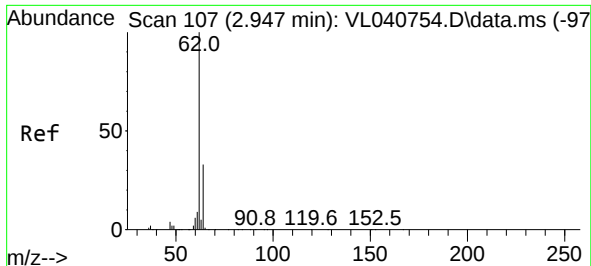
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#4
Chloromethane
Concen: 0.140 ppbv m
RT: 2.838 min Scan# 73
Delta R.T. -0.003 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

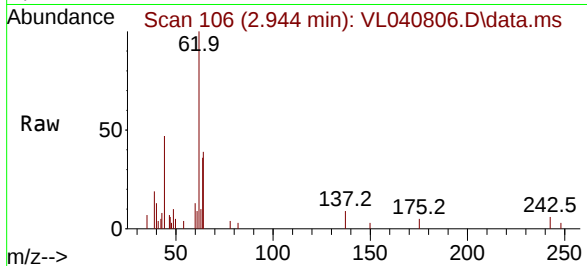
Tgt Ion: 50 Resp: 7450
Ion Ratio Lower Upper
50 100
52 23.3 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.100 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. -0.003 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

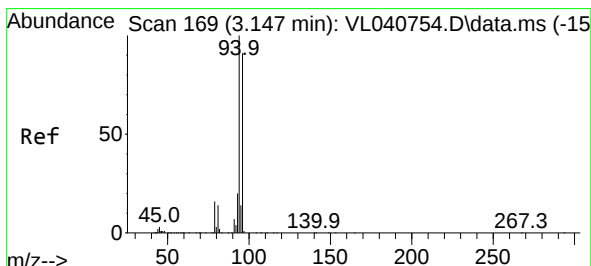
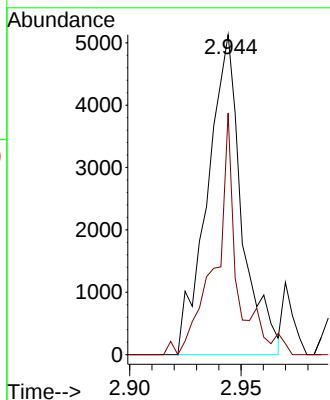
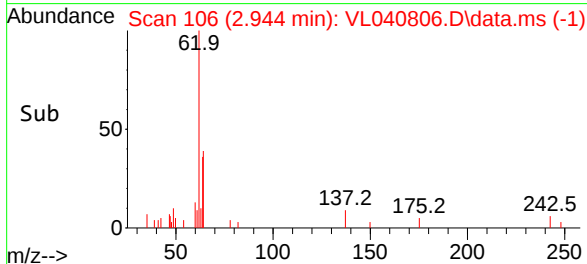
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 551
 Ion Ratio Lower Upper
 62 100
 64 75.5 26.6 39.8

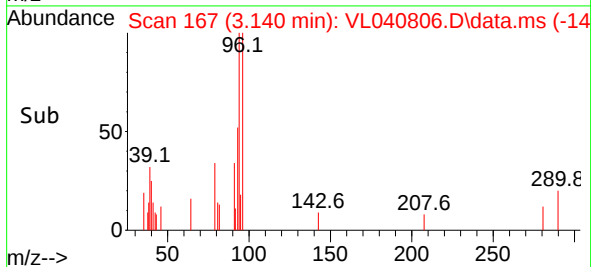
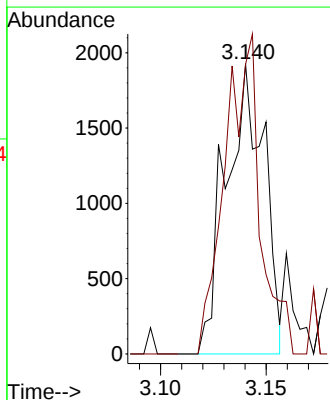
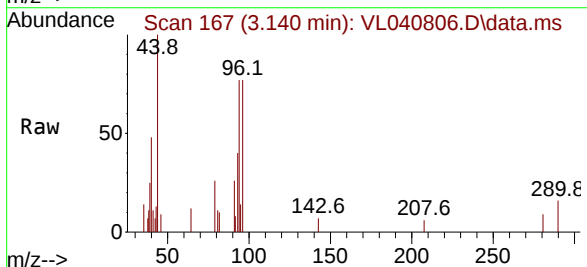
Manual Integrations
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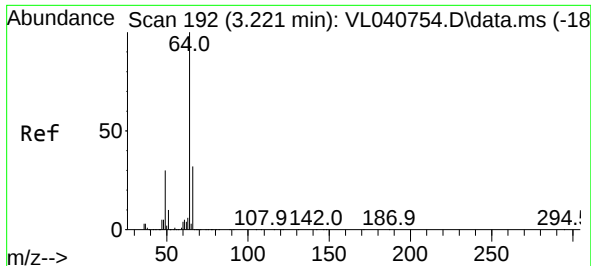
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#6
 Bromomethane
 Concen: 0.107 ppbv m
 RT: 3.140 min Scan# 167
 Delta R.T. -0.006 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

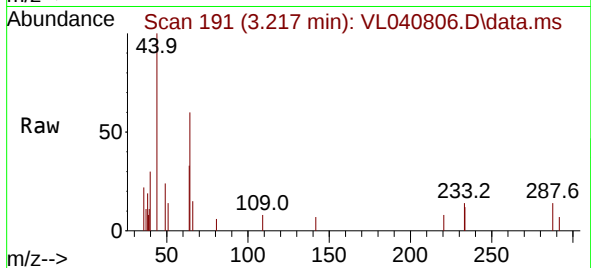
Tgt Ion: 94 Resp: 2425
 Ion Ratio Lower Upper
 94 100
 96 99.8 72.6 109.0





#7
Chloroethane
Concen: 0.111 ppbv
RT: 3.217 min Scan# 191
Delta R.T. -0.003 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

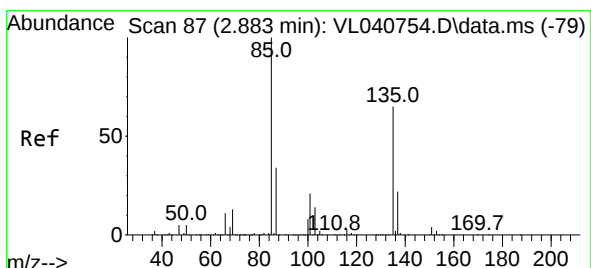
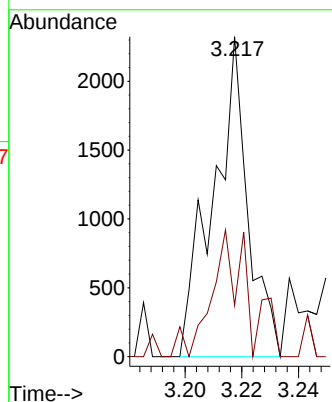
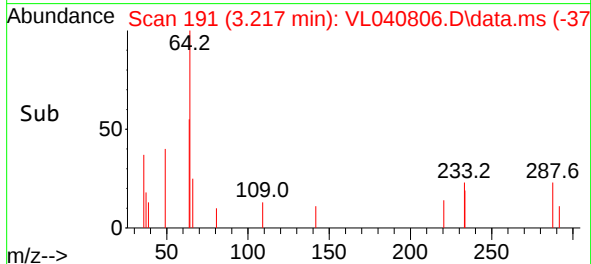
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 1978
Ion Ratio Lower Upper
64 100
66 16.0 25.4 38.2

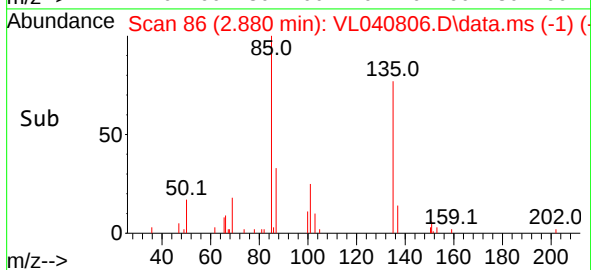
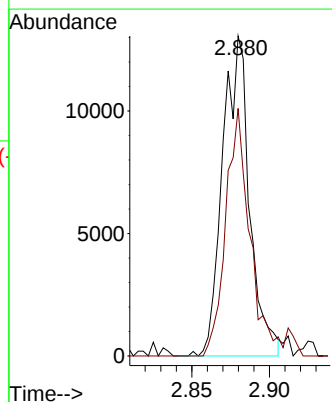
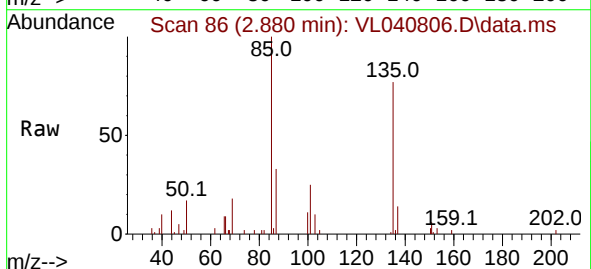
Manual Integrations
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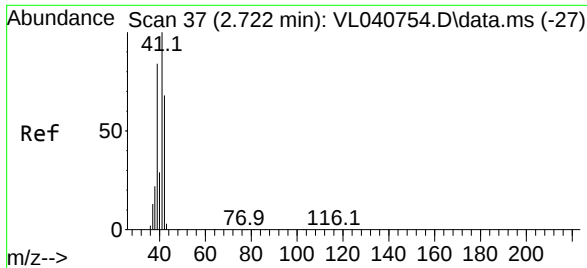
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#8
Dichlorotetrafluoroethane
Concen: 0.129 ppbv m
RT: 2.880 min Scan# 86
Delta R.T. -0.003 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

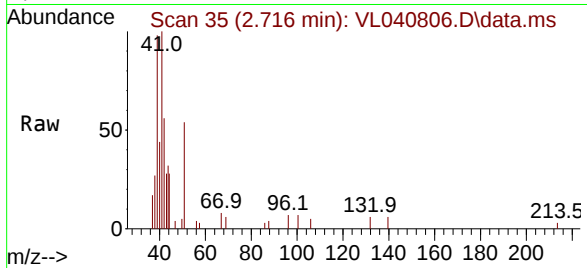
Tgt Ion: 85 Resp: 15753
Ion Ratio Lower Upper
85 100
135 0.0 55.4 83.2





#9
 Propene
 Concen: 0.155 ppbv m
 RT: 2.716 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

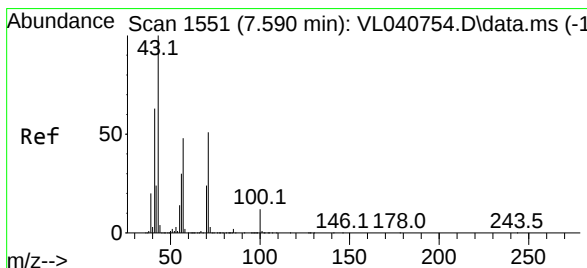
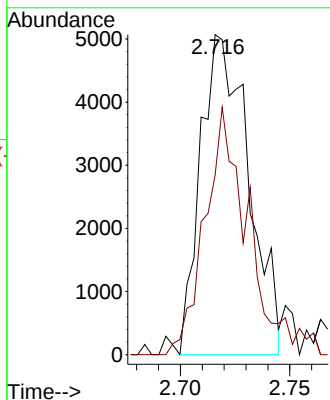
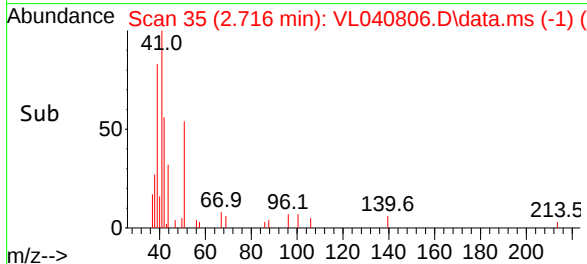
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 776
 Ion Ratio Lower Upper
 41 100
 42 70.0 57.1 85.7

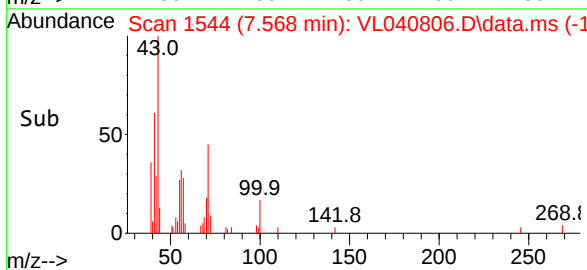
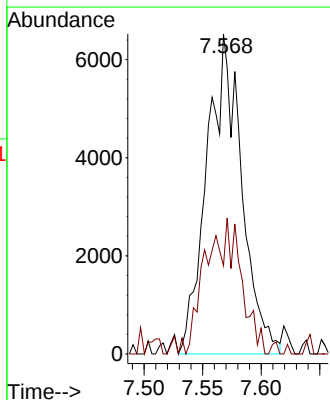
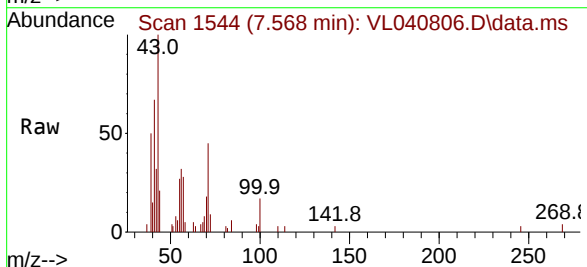
Manual Integrations
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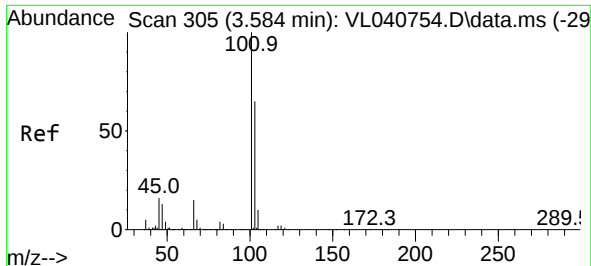
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#10
 Heptane
 Concen: 0.107 ppbv m
 RT: 7.568 min Scan# 1544
 Delta R.T. -0.023 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

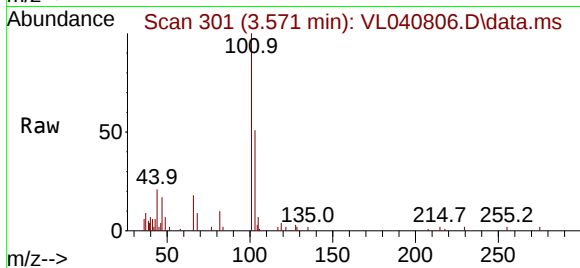
Tgt Ion: 43 Resp: 13435
 Ion Ratio Lower Upper
 43 100
 57 46.9 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.120 ppbv
RT: 3.571 min Scan# 305
Delta R.T. -0.013 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

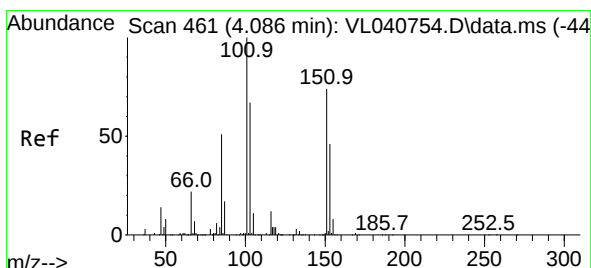
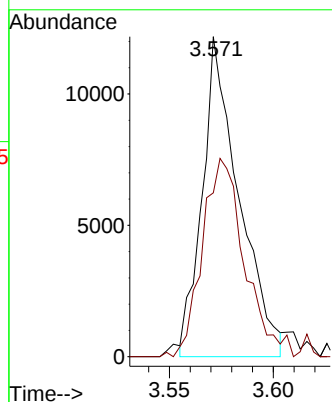
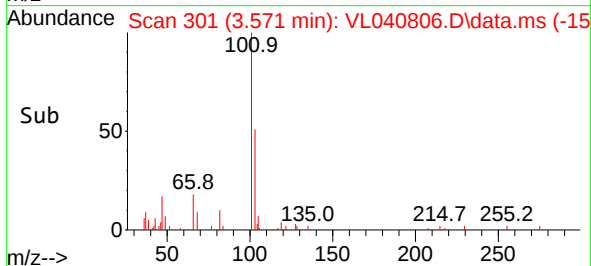
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 14944
Ion Ratio Lower Upper
101 100
103 49.8 52.2 78.2

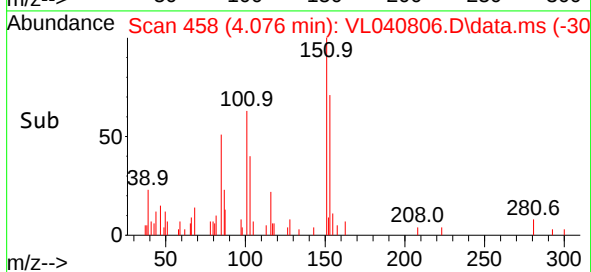
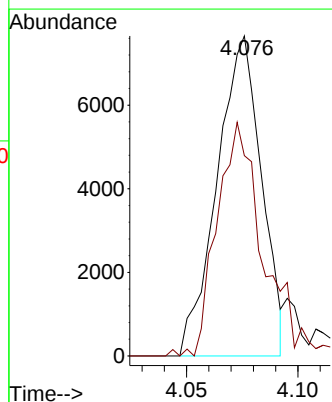
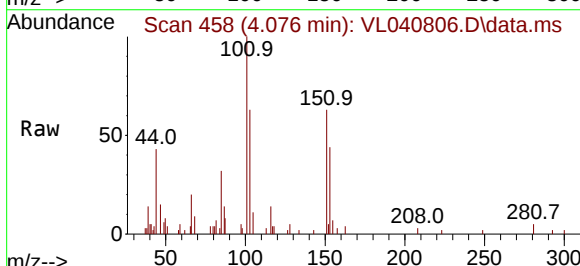
Manual Integrations
APPROVED

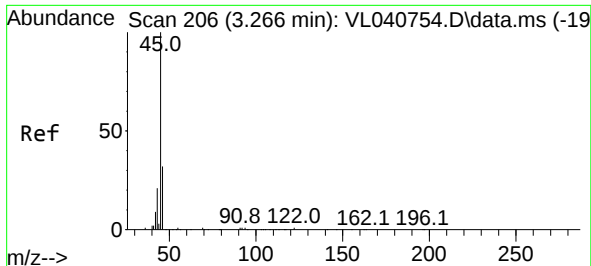
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.120 ppbv
RT: 4.076 min Scan# 458
Delta R.T. -0.010 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion:101 Resp: 10623
Ion Ratio Lower Upper
101 100
151 77.4 58.1 87.1





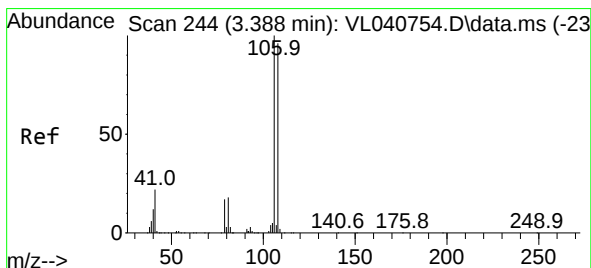
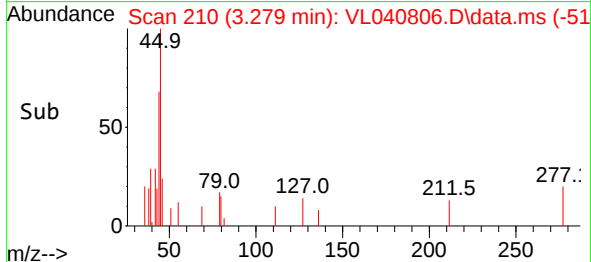
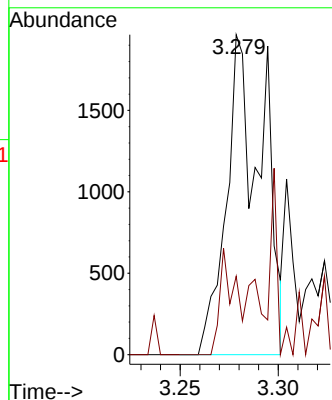
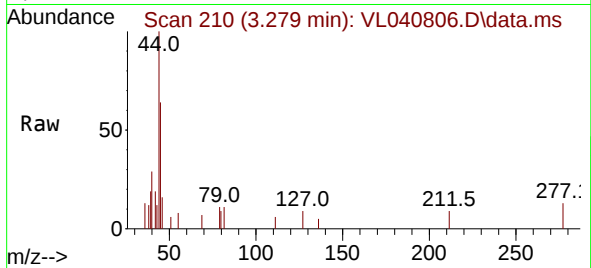
#13
Ethanol
Concen: 0.218 ppbv m
RT: 3.279 min Scan# 210
Delta R.T. 0.013 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 45 Resp: 246
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2

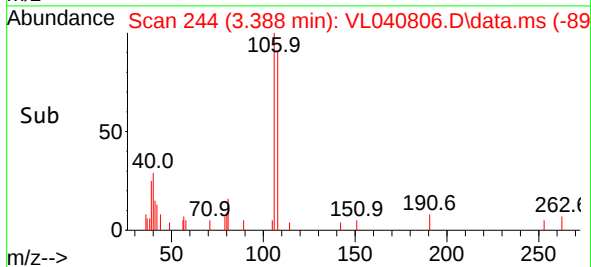
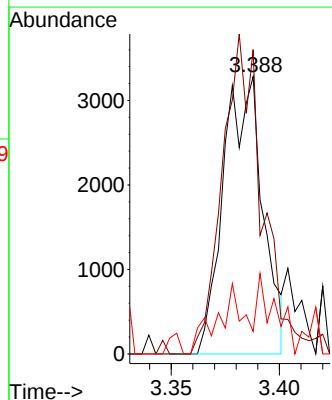
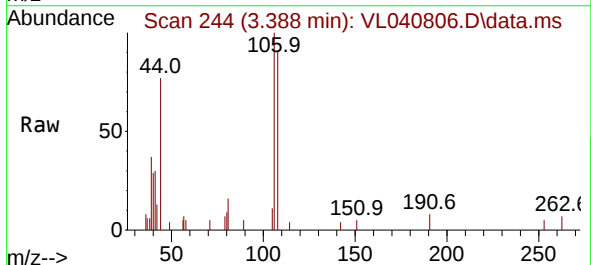
Manual Integrations
APPROVED

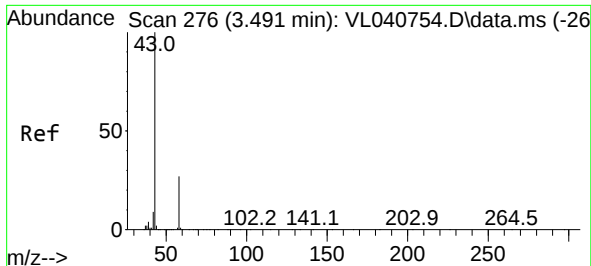
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#14
Bromoethene
Concen: 0.109 ppbv m
RT: 3.388 min Scan# 244
Delta R.T. -0.000 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion:108 Resp: 4140
Ion Ratio Lower Upper
108 100
106 0.0 85.2 127.8#
79 37.3 15.7 23.5#





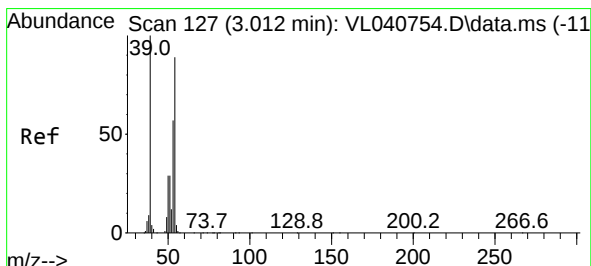
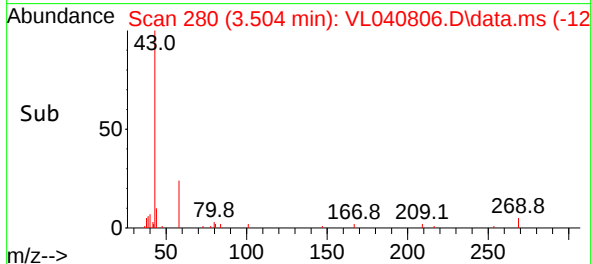
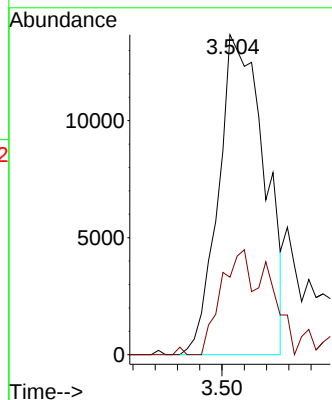
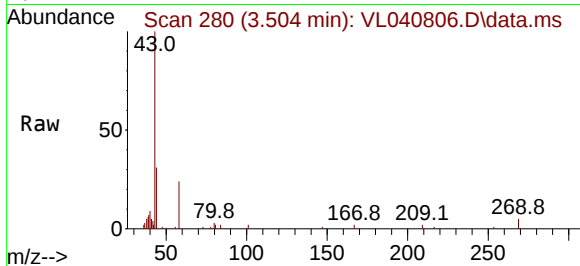
#15
Acetone
Concen: 0.207 ppbv
RT: 3.504 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
58 37.5 21.6 32.4

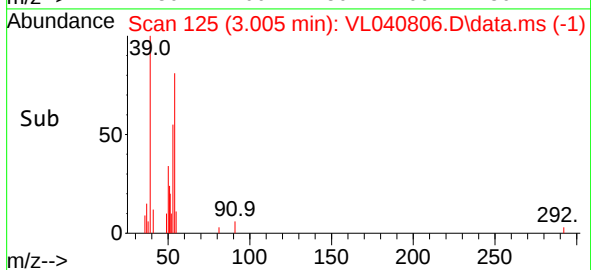
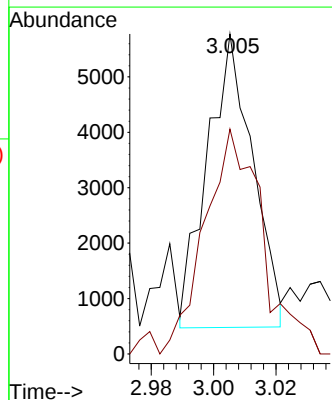
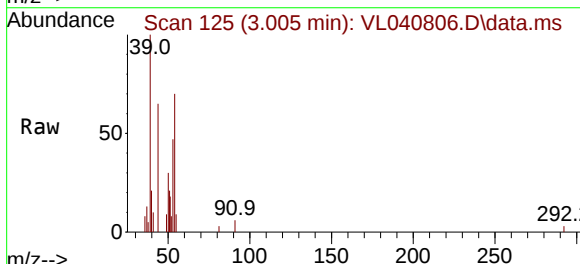
Manual Integrations
APPROVED

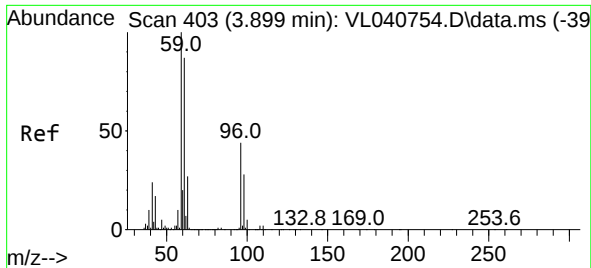
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#16
1,3-Butadiene
Concen: 0.108 ppbv
RT: 3.005 min Scan# 125
Delta R.T. -0.007 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 39 Resp: 5363
Ion Ratio Lower Upper
39 100
54 102.2 63.0 94.6





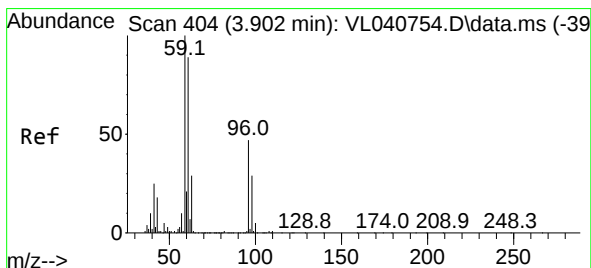
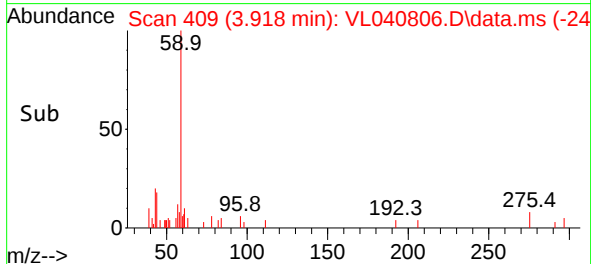
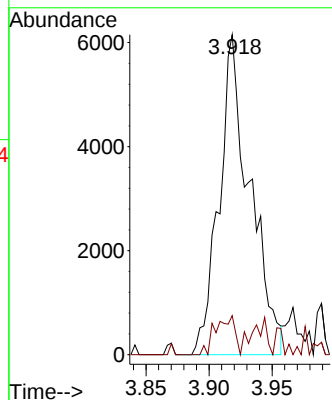
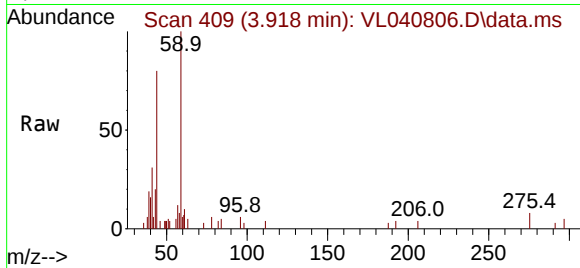
#17
tert-Butyl alcohol
Concen: 0.107 ppbv m
RT: 3.918 min Scan# 409
Delta R.T. 0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 10410
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0

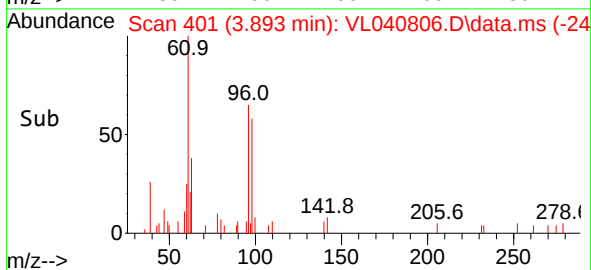
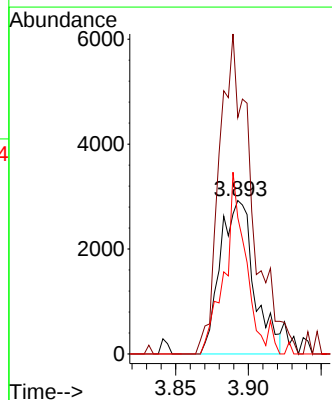
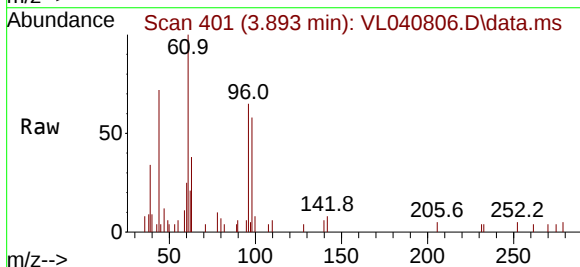
Manual Integrations
APPROVED

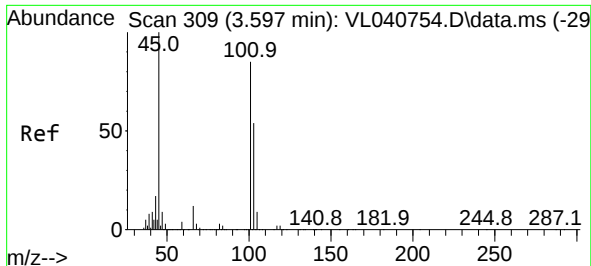
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#18
1,1-Dichloroethene
Concen: 0.119 ppbv m
RT: 3.893 min Scan# 401
Delta R.T. -0.010 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

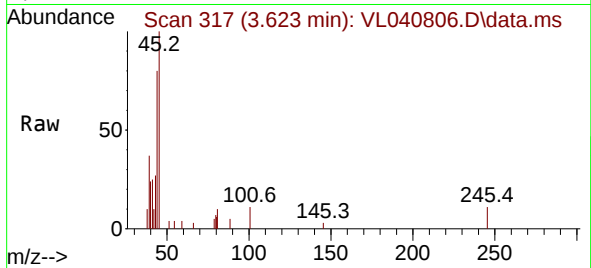
Tgt Ion: 96 Resp: 4737
Ion Ratio Lower Upper
96 100
61 154.1 152.5 228.7
98 88.9 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.148 ppbv m
RT: 3.623 min Scan# 317
Delta R.T. 0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

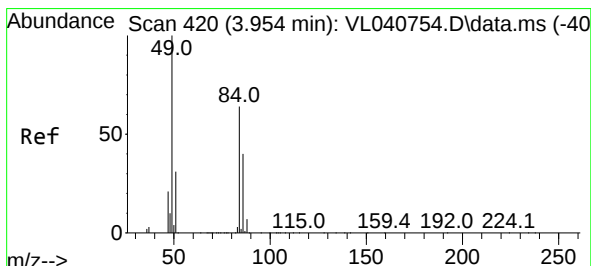
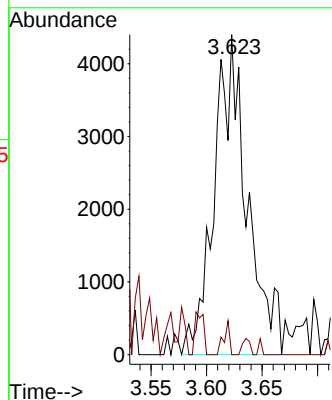
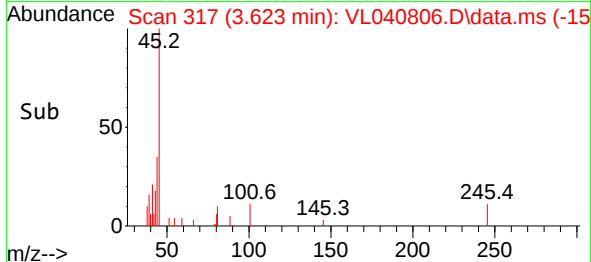
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



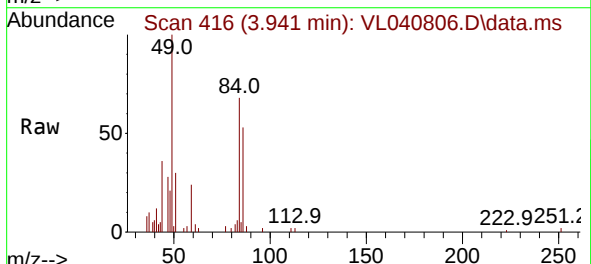
Tgt Ion: 45 Resp: 899
Ion Ratio Lower Upper
45 100
58 11.0 30.3 45.5

Manual Integrations
APPROVED

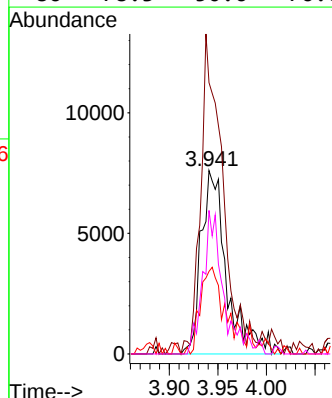
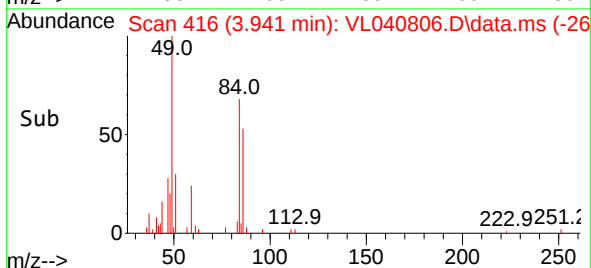
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

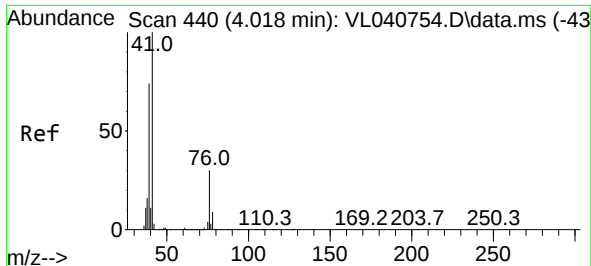


#20
Methylene Chloride
Concen: 0.354 ppbv m
RT: 3.941 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50



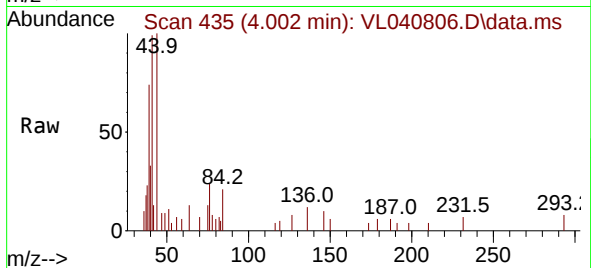
Tgt Ion: 84 Resp: 13981
Ion Ratio Lower Upper
84 100
49 148.0 125.6 188.4
51 45.0 38.9 58.3
86 78.3 50.6 76.0





#21
 Allyl Chloride
 Concen: 0.111 ppbv m
 RT: 4.002 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

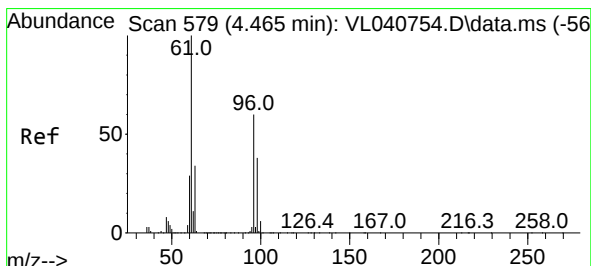
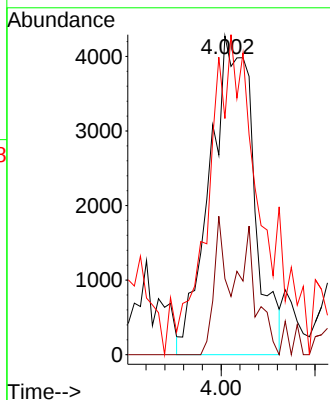
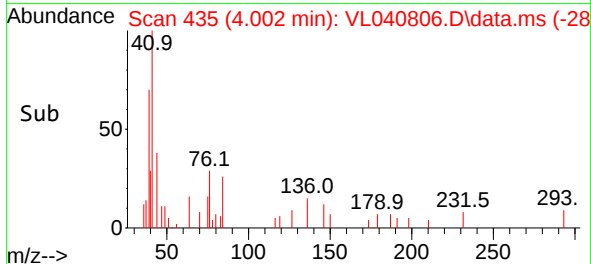
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



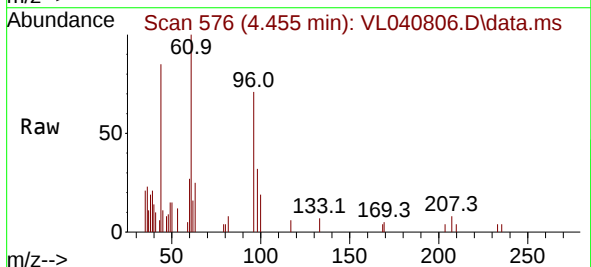
Tgt Ion: 41 Resp: 693
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.1 36.1
 39 120.6 63.8 95.6

Manual Integrations
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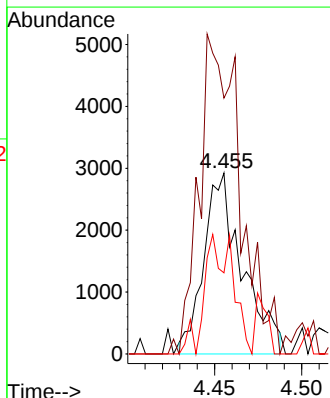
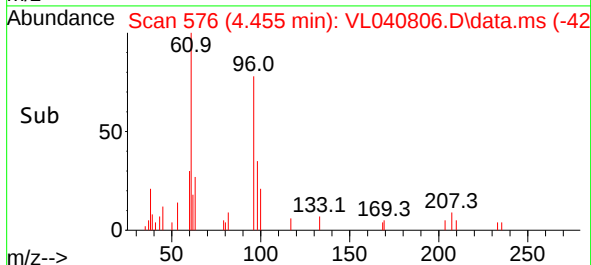
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

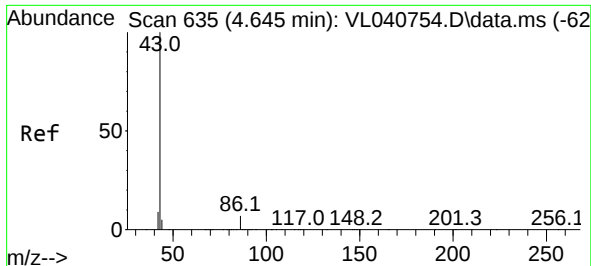


#22
 trans-1,2-Dichloroethene
 Concen: 0.106 ppbv m
 RT: 4.455 min Scan# 576
 Delta R.T. -0.010 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50



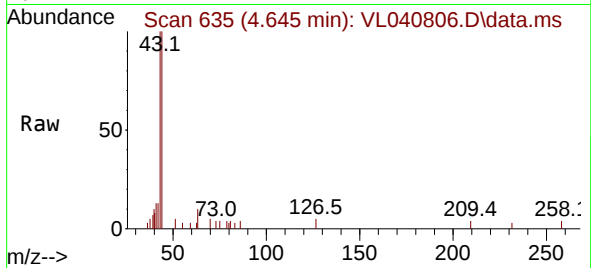
Tgt Ion: 96 Resp: 4487
 Ion Ratio Lower Upper
 96 100
 61 141.4 134.0 201.0
 98 44.8 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.102 ppbv m
 RT: 4.645 min Scan# 610
 Delta R.T. -0.000 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

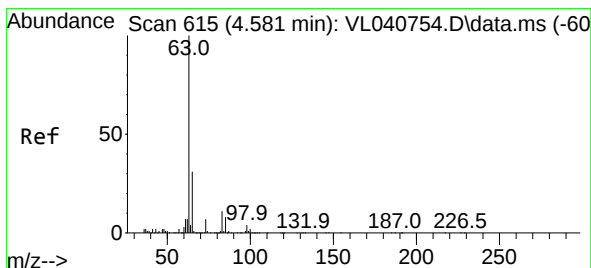
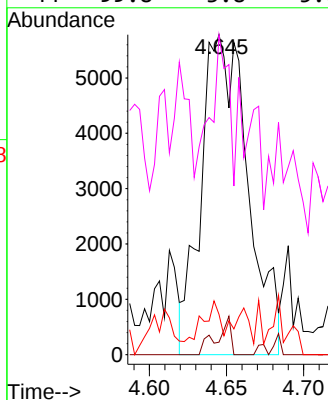
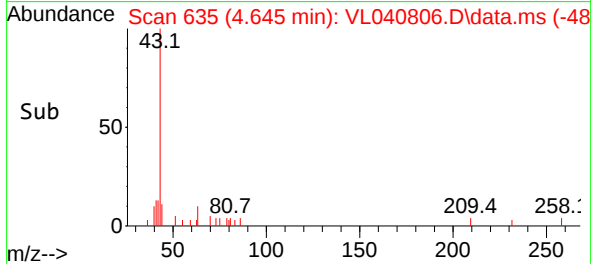
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 12290
 Ion Ratio Lower Upper
 43 100
 86 3.9 4.9 7.3
 42 12.6 7.8 11.6
 44 99.8 3.8 5.6#

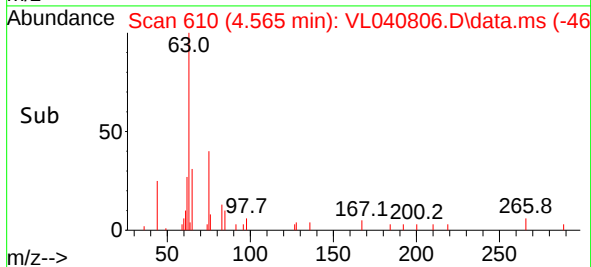
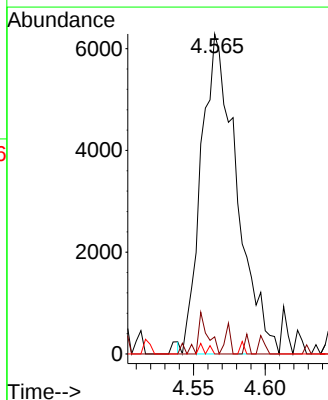
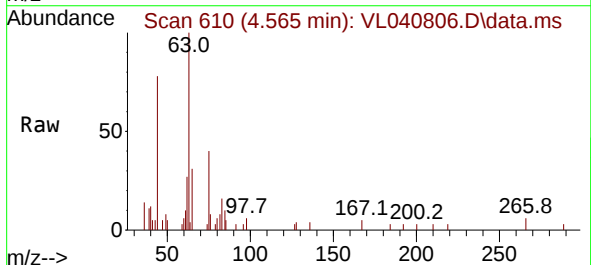
Manual Integrations
 APPROVED

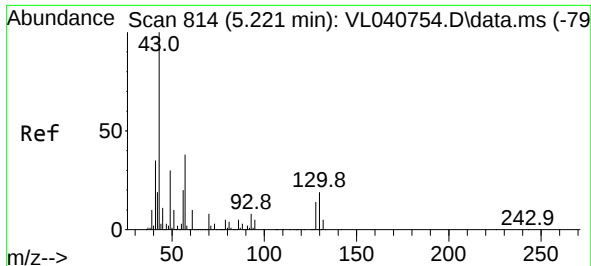
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#24
 1,1-Dichloroethane
 Concen: 0.119 ppbv m
 RT: 4.565 min Scan# 610
 Delta R.T. -0.016 min
 Lab File: VL040806.D
 Acq: 25 Oct 2023 18:50

Tgt Ion: 63 Resp: 10827
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.0 5.8
 100 0.0 1.3 3.8#





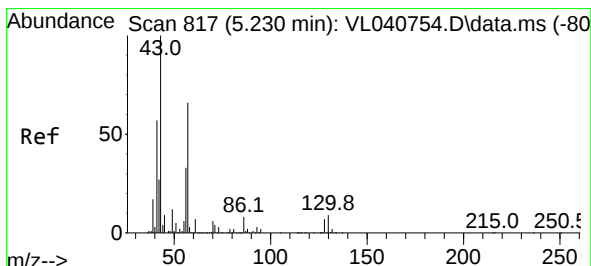
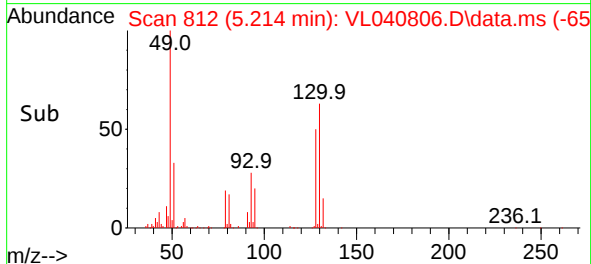
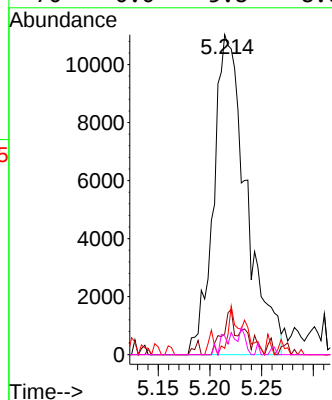
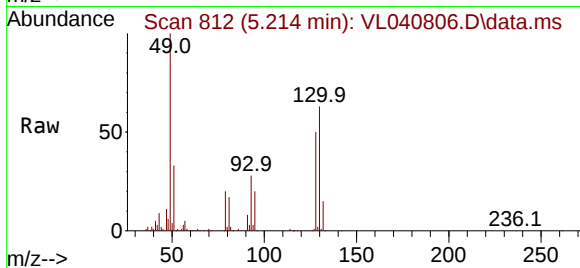
#25
Ethyl Acetate
Concen: 0.117 ppbv m
RT: 5.214 min Scan# 814
Delta R.T. -0.007 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43	Resp: 2428
Ion Ratio	Lower Upper
43 100	
45 9.8	8.2 12.4
61 10.4	8.2 12.2
70 0.0	5.8 8.6#

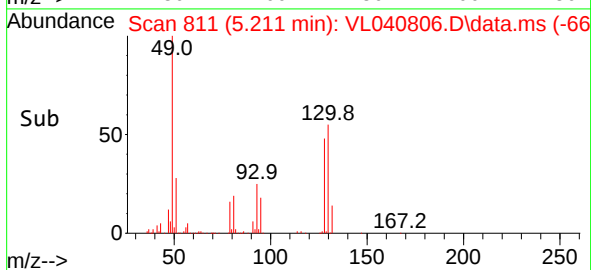
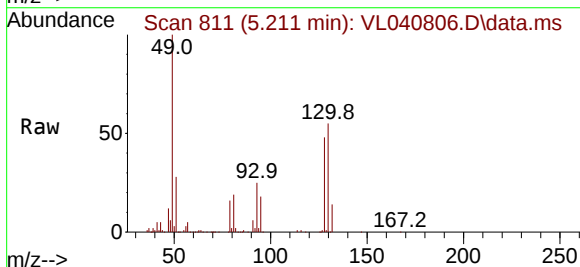
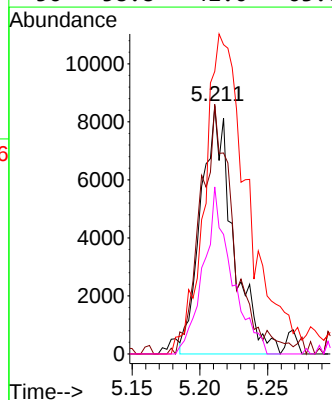
Manual Integrations
APPROVED

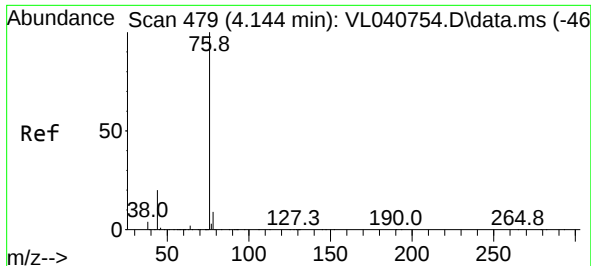
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#26
Hexane
Concen: 0.148 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

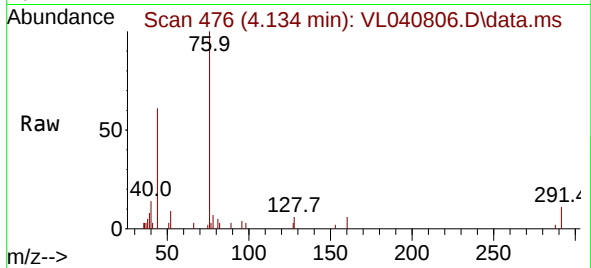
Tgt Ion: 57	Resp: 14003
Ion Ratio	Lower Upper
57 100	
41 107.8	71.4 107.2#
43 187.4	182.3 273.5
56 58.8	42.0 63.0





#27
Carbon Disulfide
Concen: 0.108 ppbv m
RT: 4.134 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

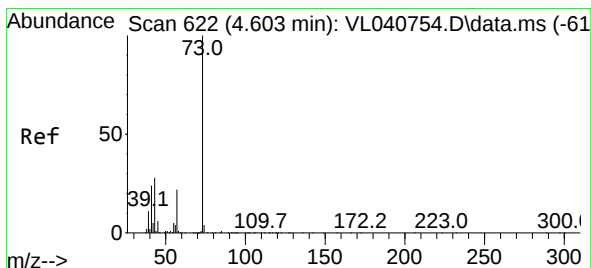
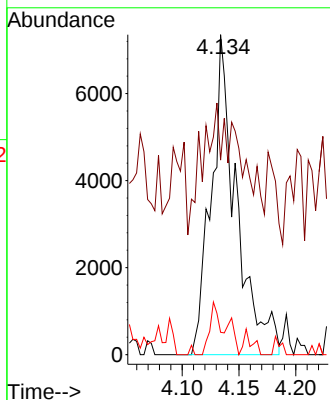
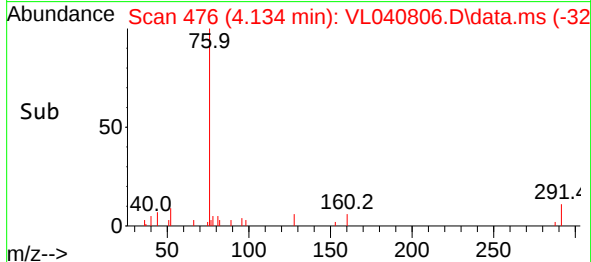
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 11339
Ion Ratio Lower Upper
76 100
44 86.6 16.6 25.0
78 13.1 7.8 11.6

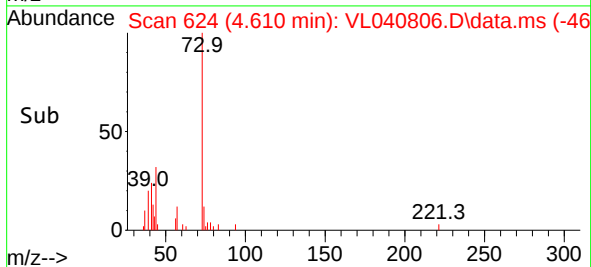
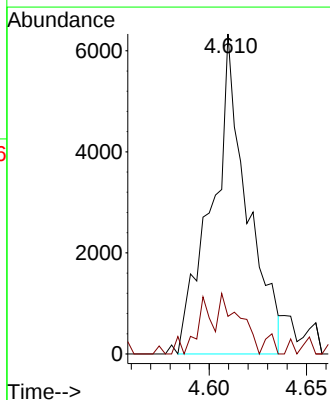
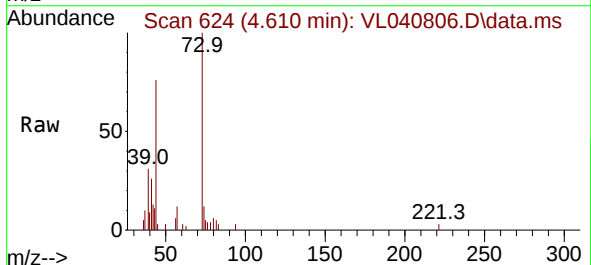
Manual Integrations
APPROVED

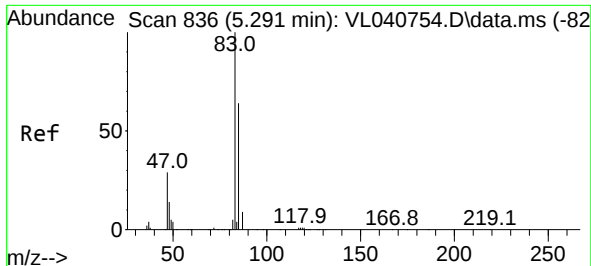
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#28
Methyl tert-Butyl Ether
Concen: 0.107 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.006 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 73 Resp: 7901
Ion Ratio Lower Upper
73 100
57 26.8 18.9 28.3





#29

Chloroform

Concen: 0.129 ppbv m

RT: 5.269 min Scan# 81

Delta R.T. -0.023 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 1776

Ion Ratio Lower Upper

83 100

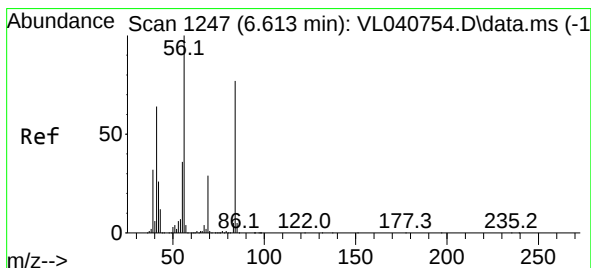
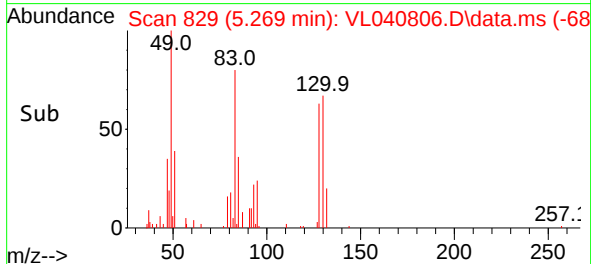
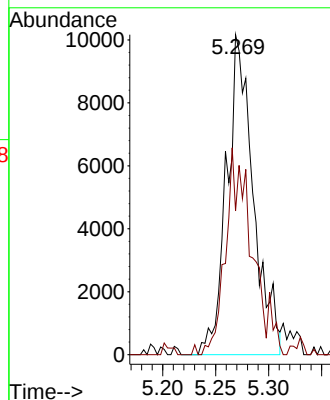
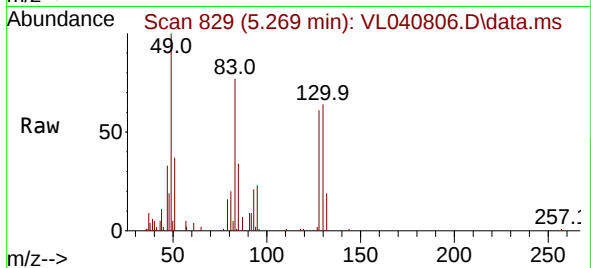
85 44.9 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#30

Cyclohexane

Concen: 0.079 ppbv m

RT: 6.594 min Scan# 1241

Delta R.T. -0.019 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

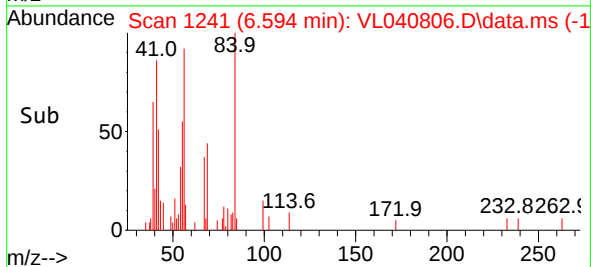
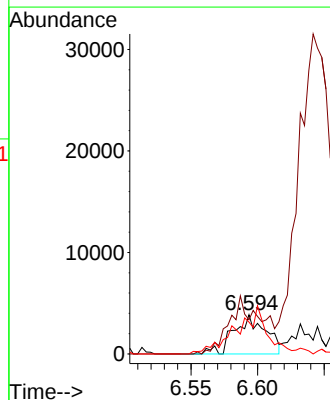
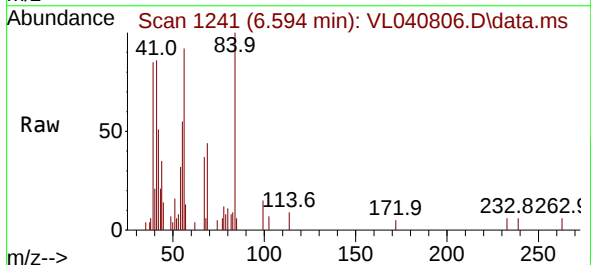
Tgt Ion: 84 Resp: 6347

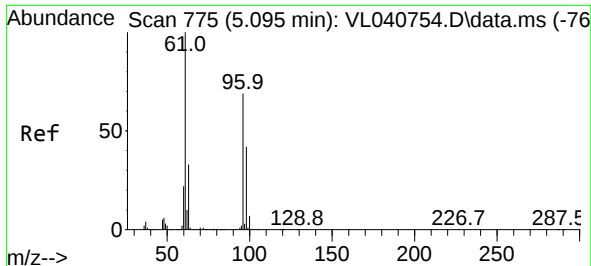
Ion Ratio Lower Upper

84 100

56 0.0 110.3 165.5#

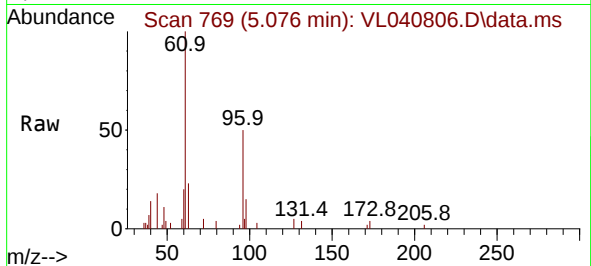
41 0.0 67.4 101.2#





#31
cis-1,2-Dichloroethene
Concen: 0.125 ppbv m
RT: 5.076 min Scan# 709
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

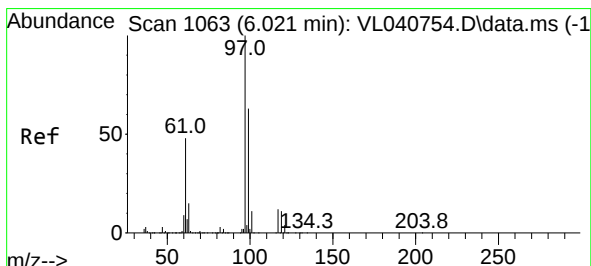
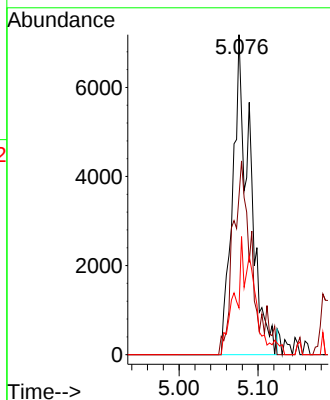
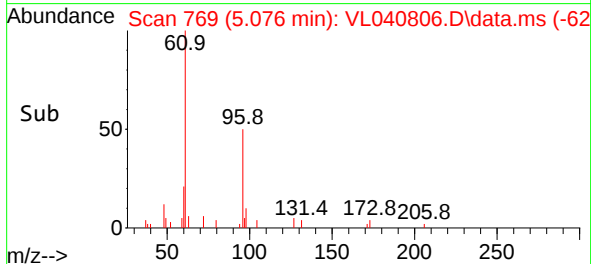
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 10958
Ion Ratio Lower Upper
61 100
96 49.6 55.1 82.7
98 14.6 33.5 50.3

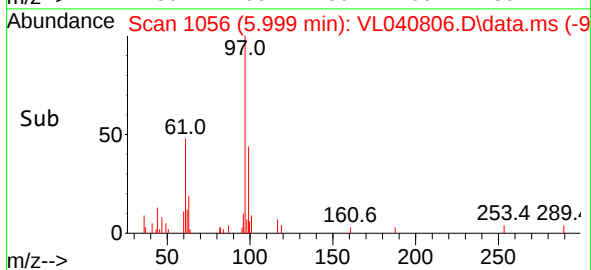
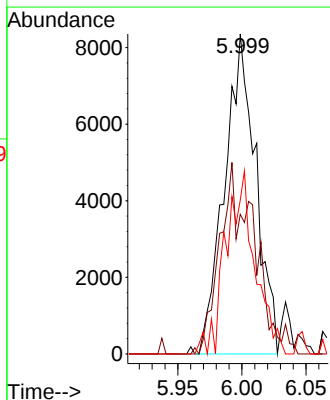
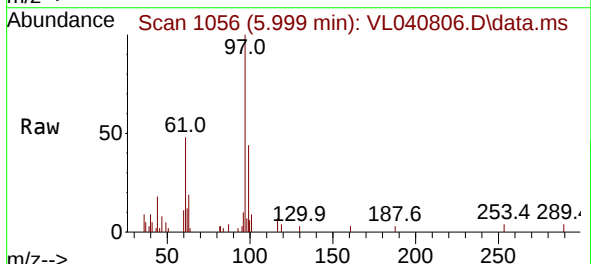
Manual Integrations
APPROVED

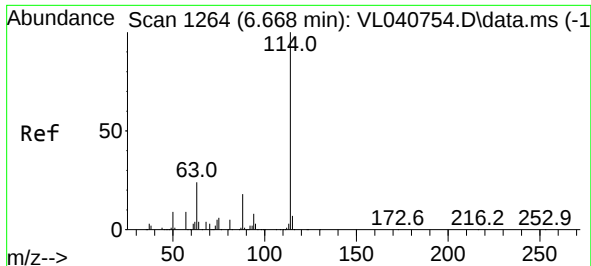
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#32
1,1,1-Trichloroethane
Concen: 0.097 ppbv m
RT: 5.999 min Scan# 1056
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 97 Resp: 14148
Ion Ratio Lower Upper
97 100
99 65.6 51.8 77.6
61 53.3 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.023 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 238753

Ion Ratio Lower Upper

114 100

63 25.6 19.8 29.6

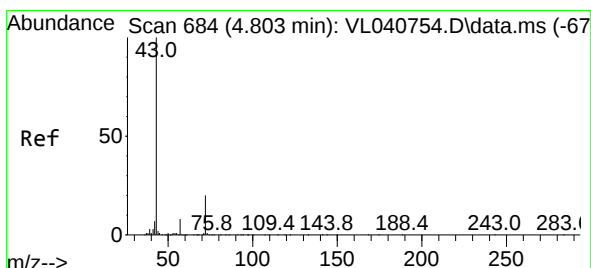
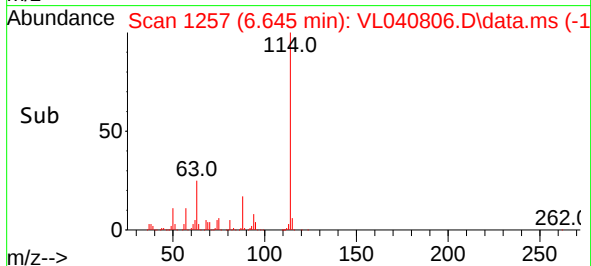
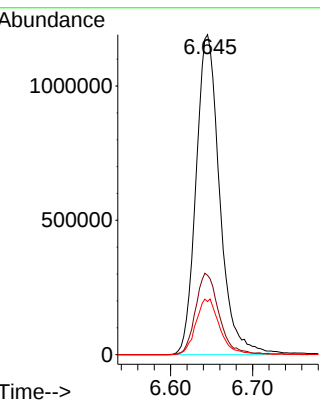
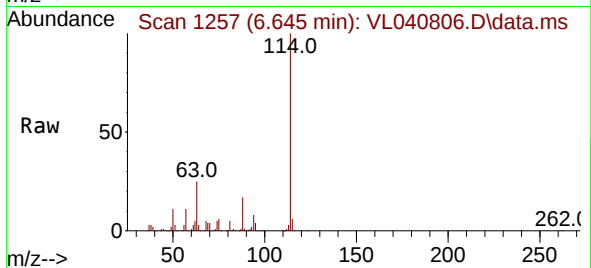
88 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#34

2-Butanone

Concen: 0.141 ppbv m

RT: 4.815 min Scan# 688

Delta R.T. 0.013 min

Lab File: VL040806.D

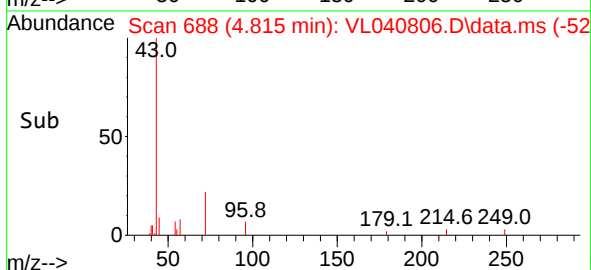
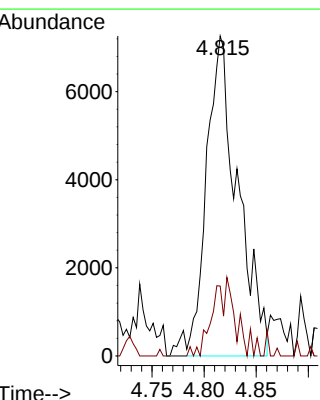
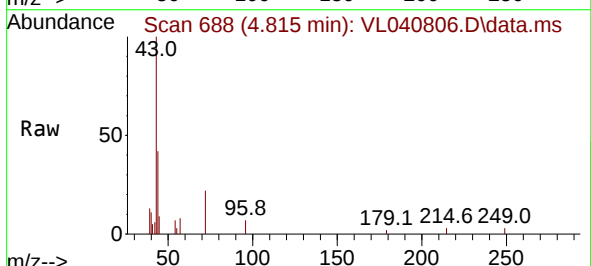
Acq: 25 Oct 2023 18:50

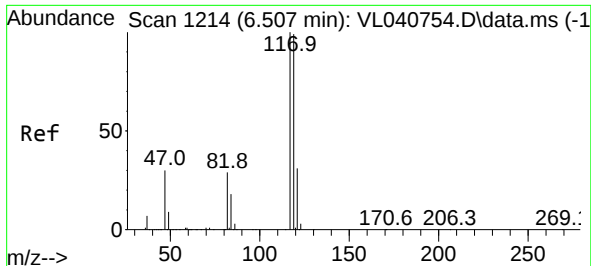
Tgt Ion: 43 Resp: 15279

Ion Ratio Lower Upper

43 100

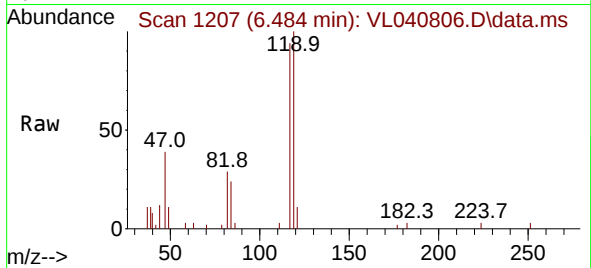
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.106 ppbv m
RT: 6.484 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

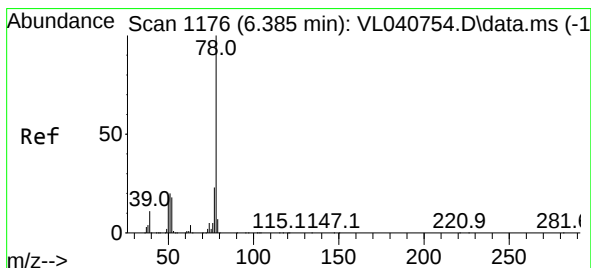
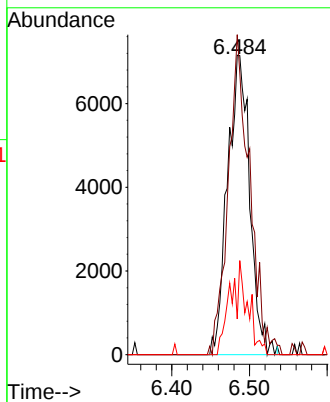
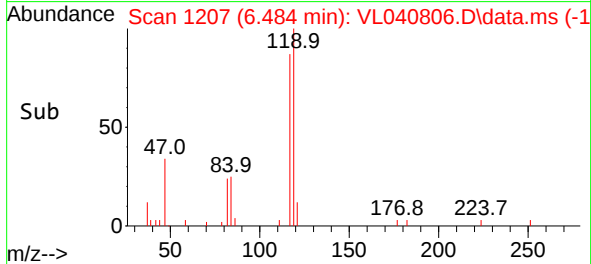
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:117 Resp: 1419
Ion Ratio Lower Upper
117 100
119 106.9 79.4 119.0
121 11.9 25.0 37.4

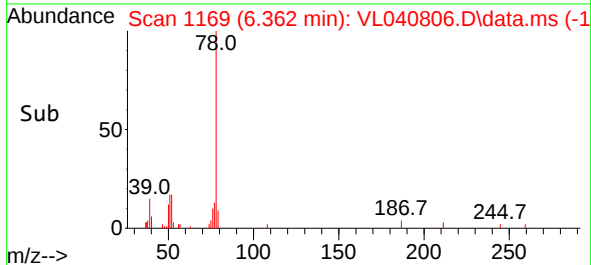
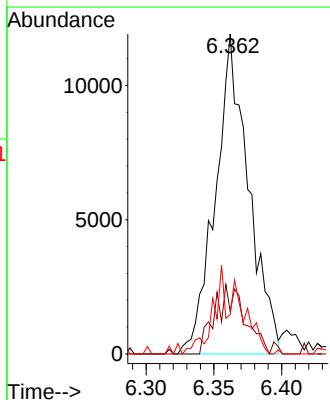
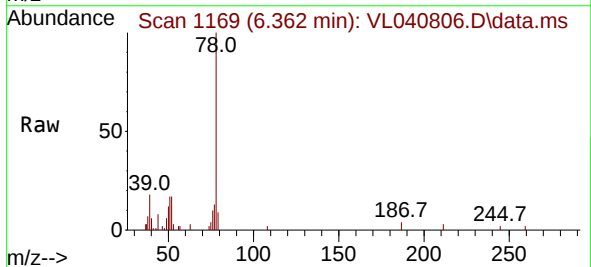
Manual Integrations
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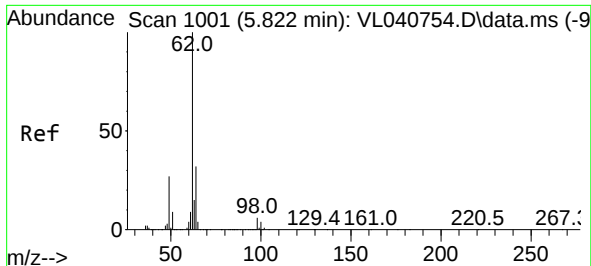
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#36
Benzene
Concen: 0.111 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 78 Resp: 20301
Ion Ratio Lower Upper
78 100
77 13.3 18.4 27.6#
50 11.0 15.0 22.4#





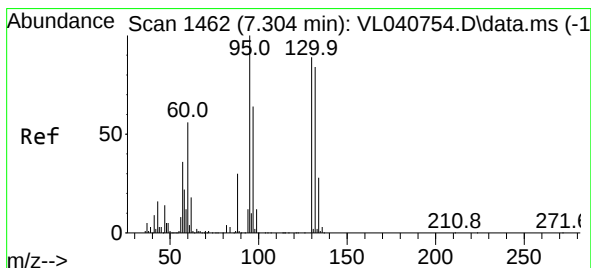
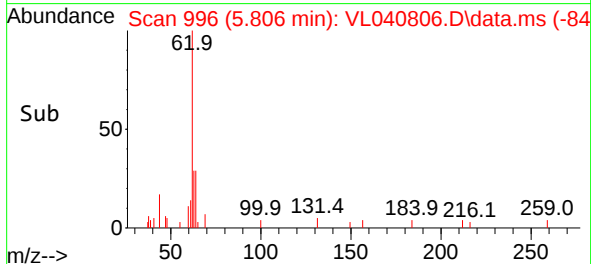
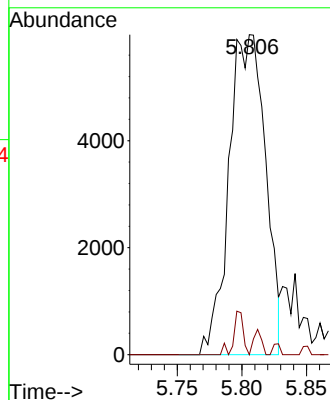
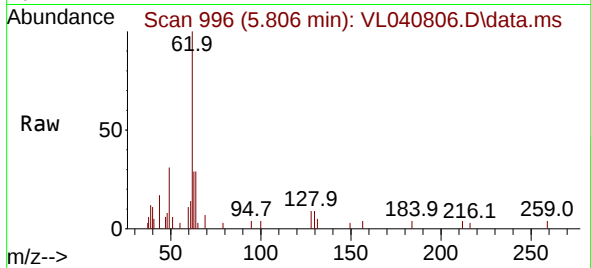
#37
1,2-Dichloroethane
Concen: 0.125 ppbv m
RT: 5.806 min Scan# 91
Delta R.T. -0.016 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 62 Resp: 11738
Ion Ratio Lower Upper
62 100
98 0.0 5.4 8.0

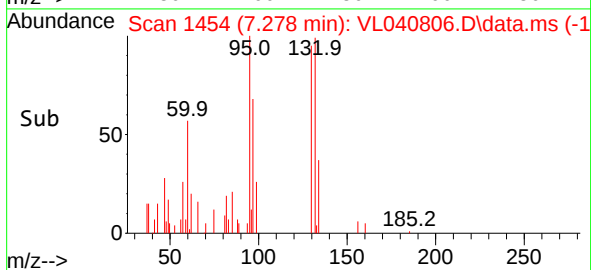
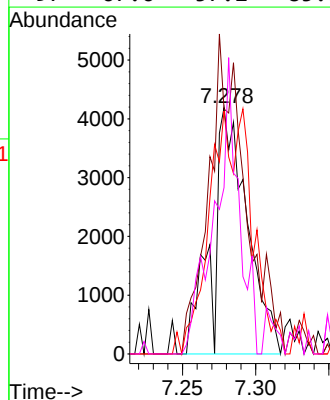
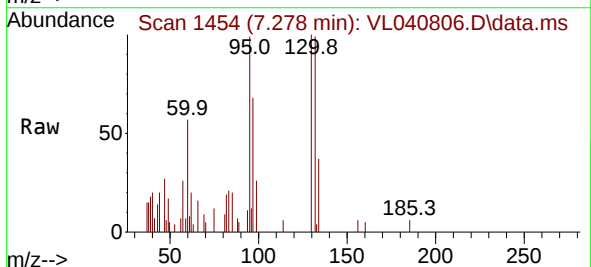
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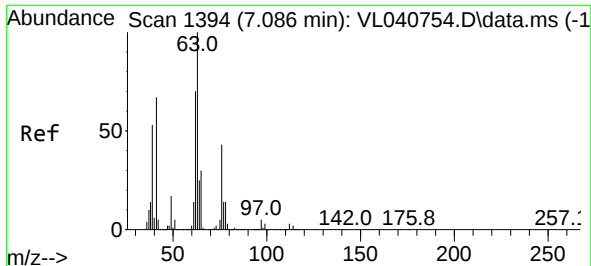
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#38
Trichloroethene
Concen: 0.086 ppbv m
RT: 7.278 min Scan# 1454
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion:130 Resp: 6979
Ion Ratio Lower Upper
130 100
95 99.4 89.4 134.2
132 98.7 74.8 112.2
97 67.6 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.140 ppbv m

RT: 7.066 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

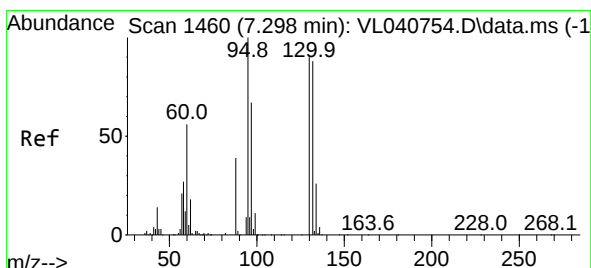
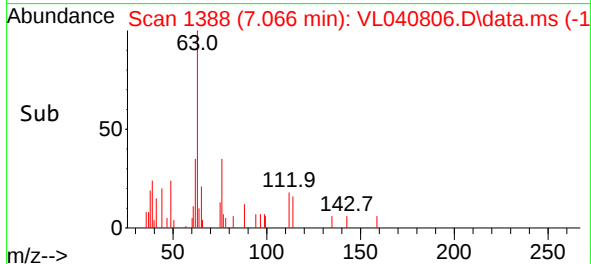
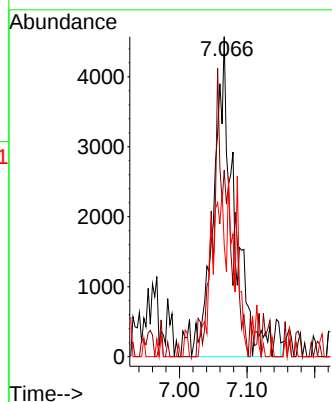
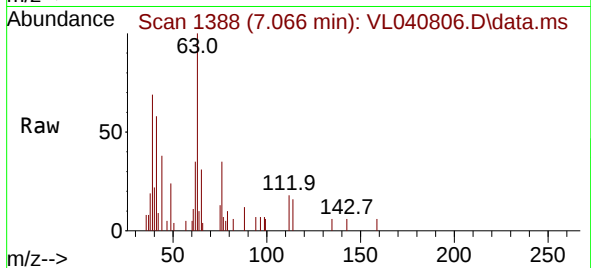
MDL-AIR-03-QT4-2023DL

Tgt Ion: 63	Resp: 1002
Ion Ratio	Lower Upper
63 100	
41 58.3	53.7 80.5
62 35.0	55.7 83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#40

1,4-Dioxane

Concen: 0.139 ppbv m

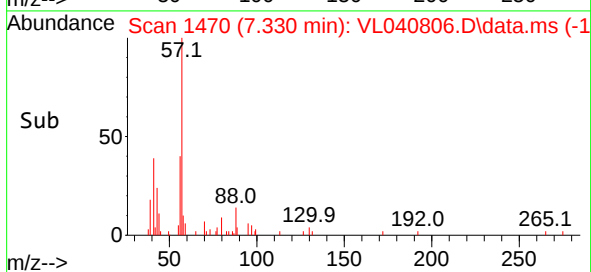
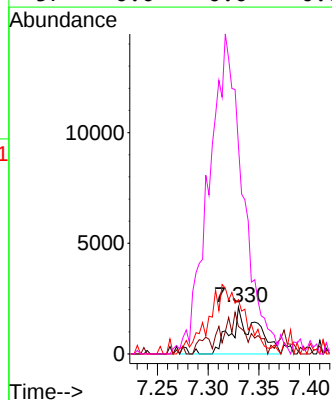
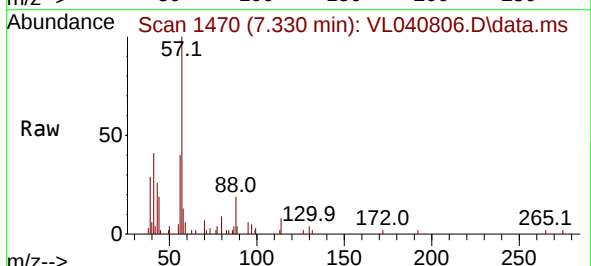
RT: 7.330 min Scan# 1470

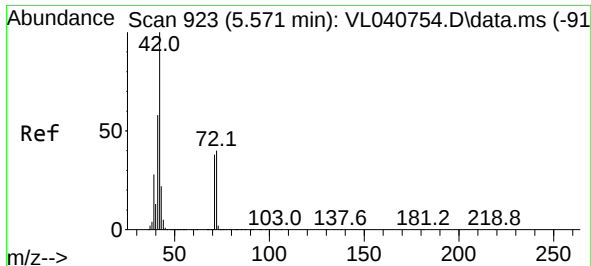
Delta R.T. 0.032 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Tgt	Ion: 88	Resp:	3764
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





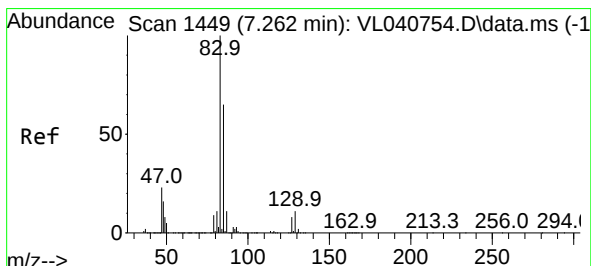
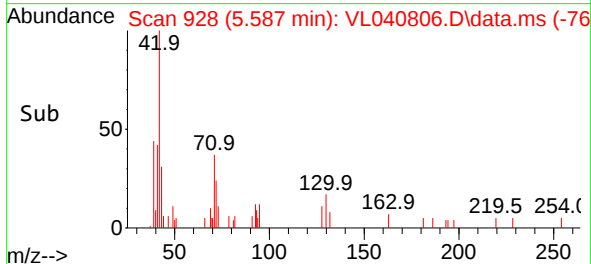
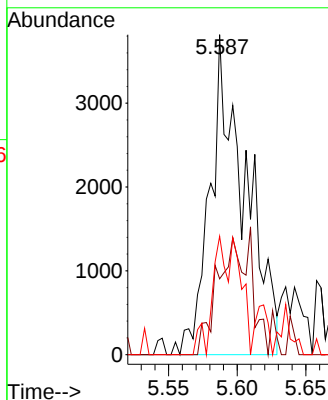
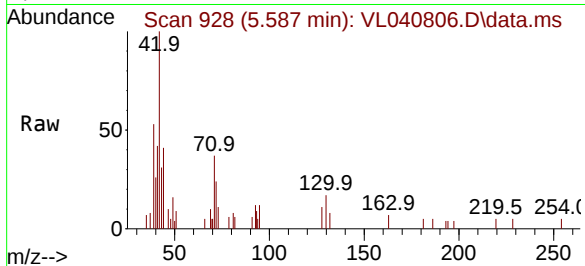
#41
Tetrahydrofuran
Concen: 0.090 ppbv m
RT: 5.587 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 42 Resp: 6710
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

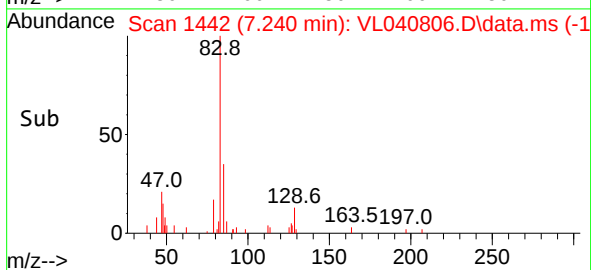
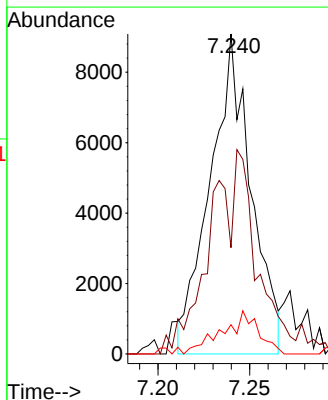
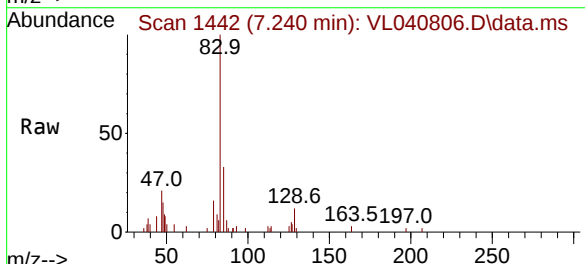
Manual Integrations
APPROVED

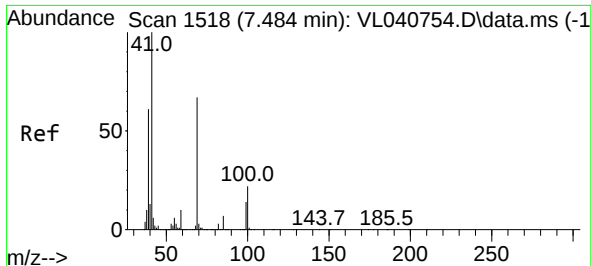
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#42
Bromodichloromethane
Concen: 0.100 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

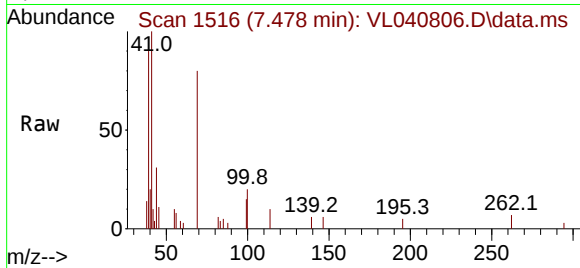
Tgt Ion: 83 Resp: 14096
Ion Ratio Lower Upper
83 100
85 24.7 52.1 78.1
127 8.3 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.084 ppbv
RT: 7.478 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

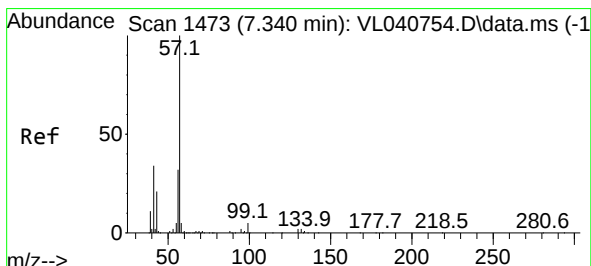
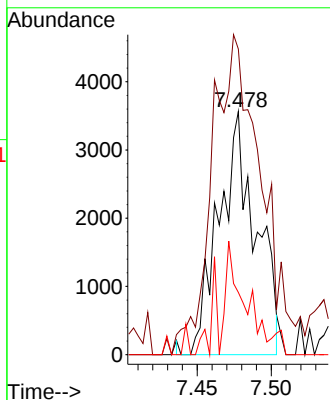
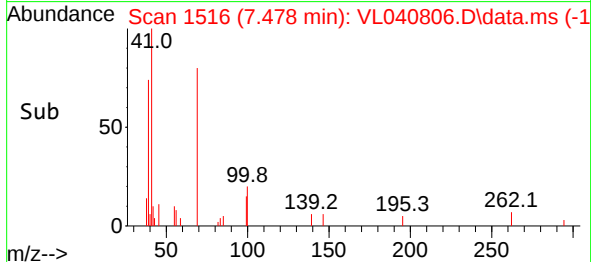
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 69 Resp: 614
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0
100 0.0 27.1 40.7

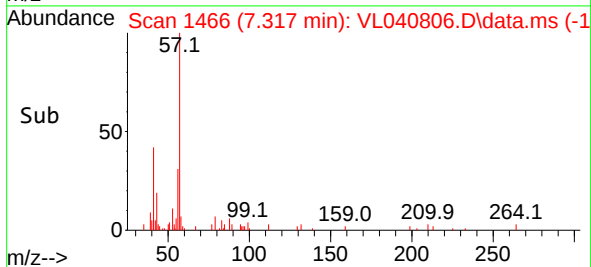
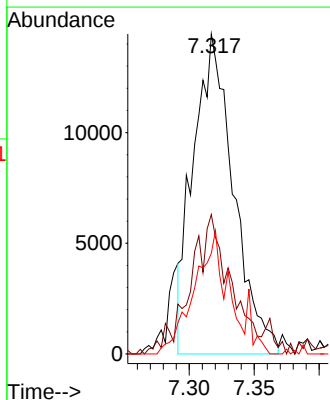
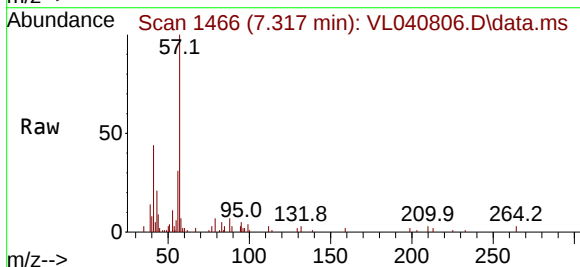
Manual Integrations
APPROVED

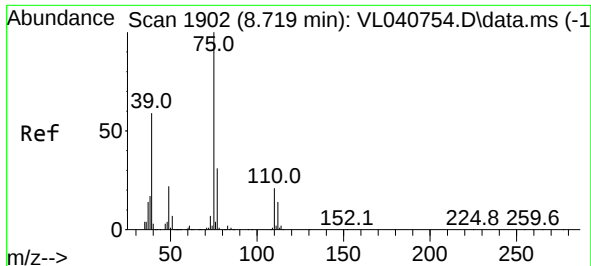
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#44
2,2,4-Trimethylpentane
Concen: 0.100 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 57 Resp: 31017
Ion Ratio Lower Upper
57 100
41 46.5 27.4 41.0
56 34.9 25.0 37.6





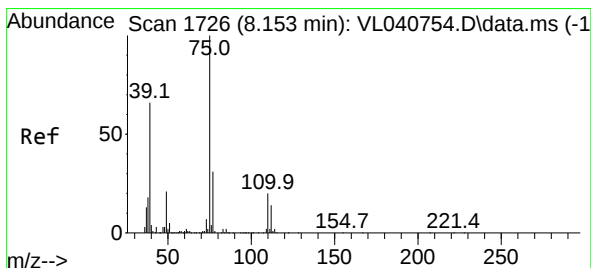
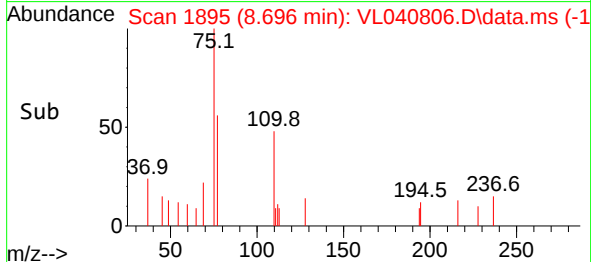
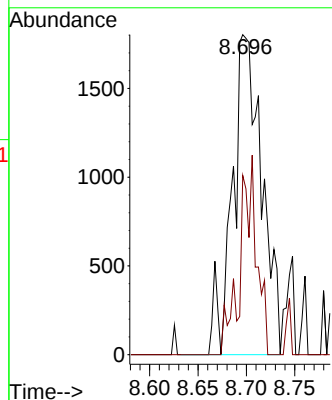
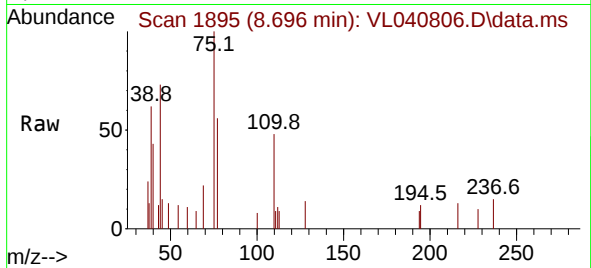
#45
t-1,3-Dichloropropene
Concen: 0.065 ppbv m
RT: 8.696 min Scan# 1718
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 75 Resp: 3808
Ion Ratio Lower Upper
75 100
77 56.0 24.9 37.3

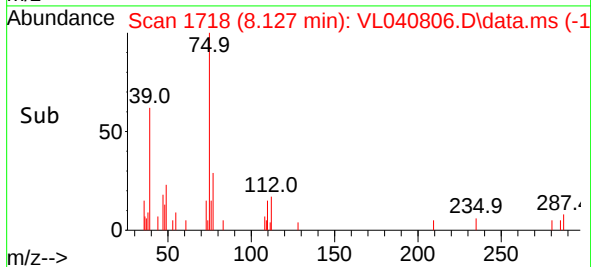
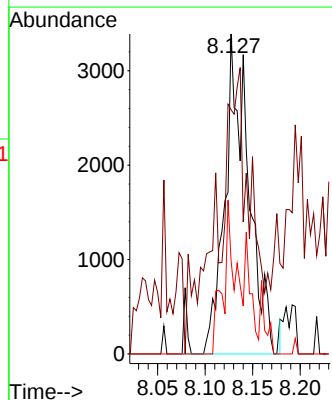
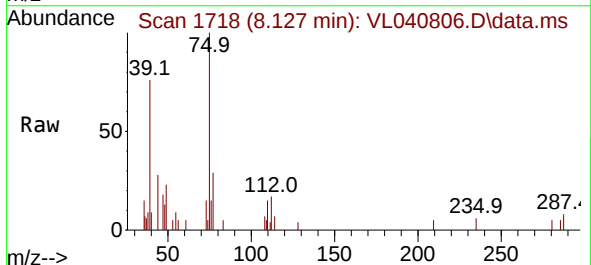
Manual Integrations
APPROVED

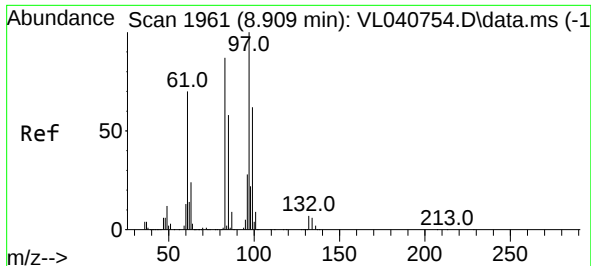
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#46
cis-1,3-Dichloropropene
Concen: 0.085 ppbv m
RT: 8.127 min Scan# 1718
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 75 Resp: 6064
Ion Ratio Lower Upper
75 100
39 76.3 52.4 78.6
77 29.1 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.110 ppbv m

RT: 8.886 min Scan# 1961

Delta R.T. -0.023 min

Lab File: VL040806.D

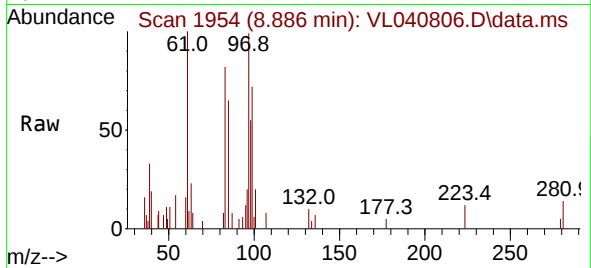
Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion: 97 Resp: 830

Ion Ratio Lower Upper

97 100

83 82.5 69.5 104.3

85 66.0 46.6 69.8

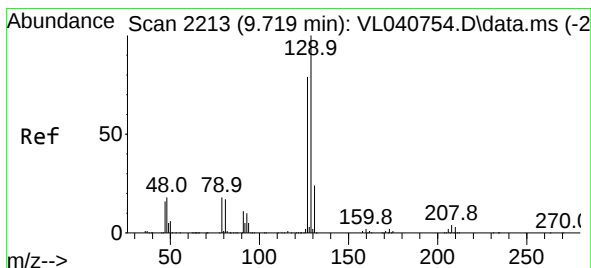
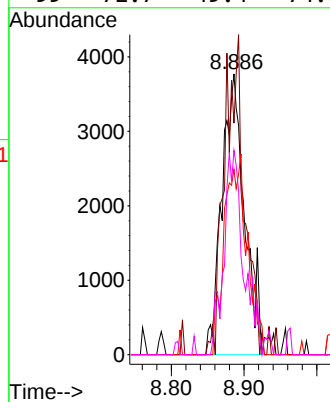
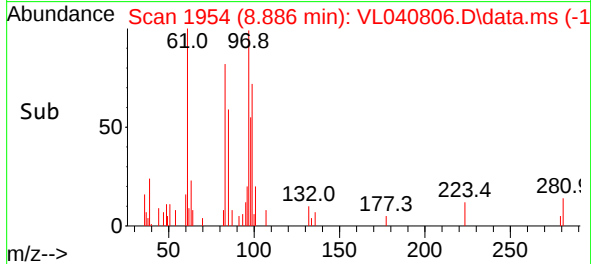
99 72.7 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#48

Dibromochloromethane

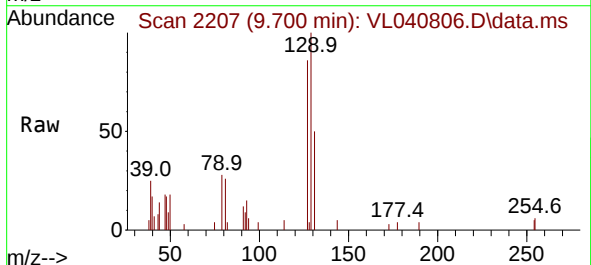
Concen: 0.083 ppbv m

RT: 9.700 min Scan# 2207

Delta R.T. -0.019 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

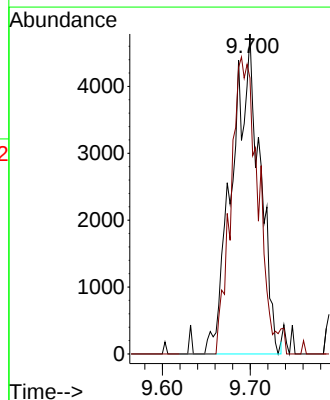
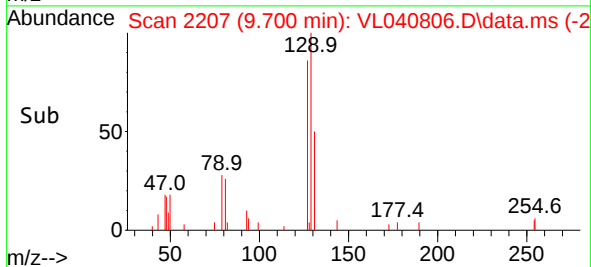


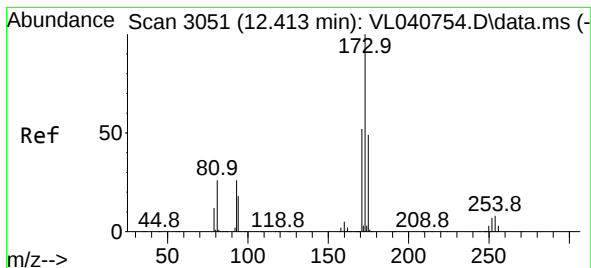
Tgt Ion:129 Resp: 10533

Ion Ratio Lower Upper

129 100

127 91.0 39.1 117.3





#49

Bromoform

Concen: 0.080 ppbv m

RT: 12.381 min Scan# 3051

Delta R.T. -0.032 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

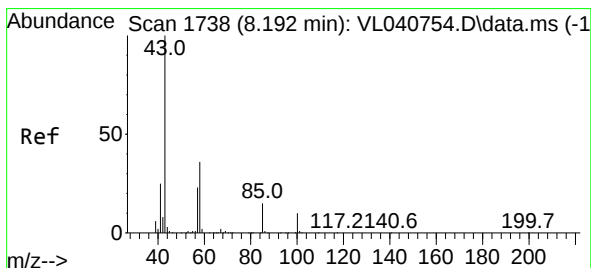
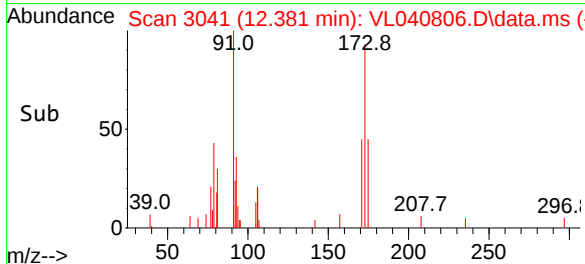
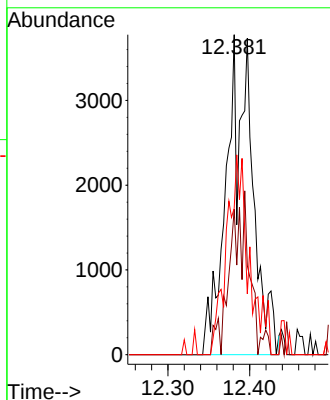
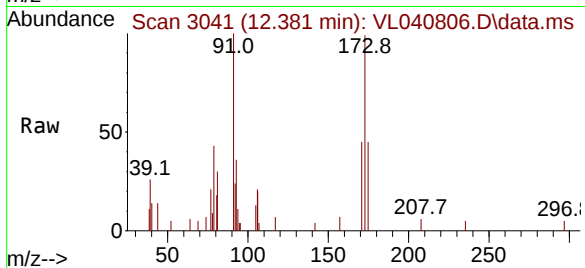
ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:173 Resp: 8210
 Ion Ratio Lower Upper
 173 100
 175 0.0 39.2 58.8
 171 56.6 42.0 63.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#50

4-Methyl-2-Pentanone

Concen: 0.086 ppbv m

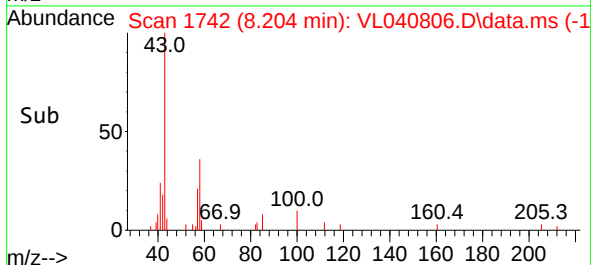
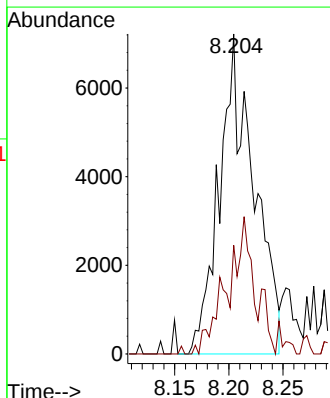
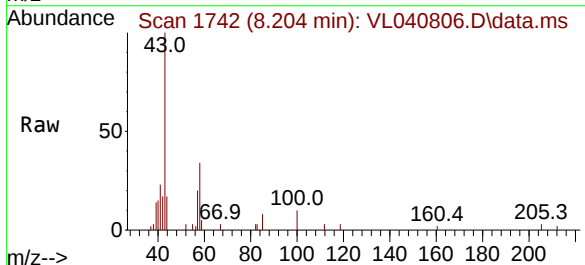
RT: 8.204 min Scan# 1742

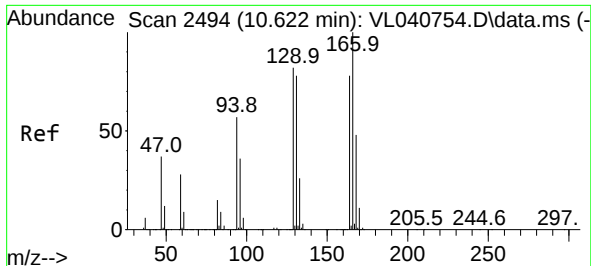
Delta R.T. 0.013 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

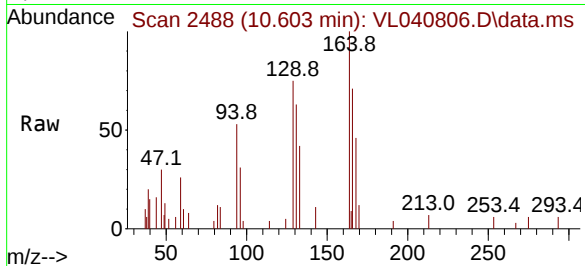
Tgt Ion: 43 Resp: 15856
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 43.2





#52
Tetrachloroethene
Concen: 0.105 ppbv m
RT: 10.603 min Scan# 2494
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

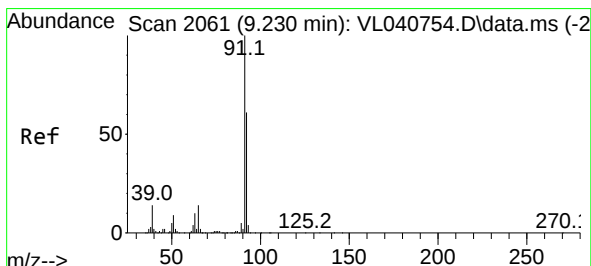
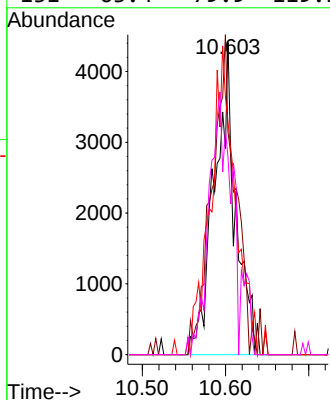
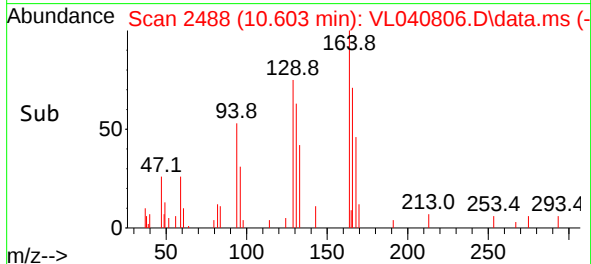
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:164 Resp: 7804
Ion Ratio Lower Upper
164 100
166 71.4 102.4 153.6
129 74.5 84.2 126.4
131 63.4 79.9 119.9

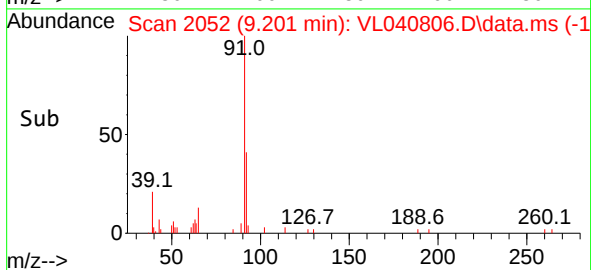
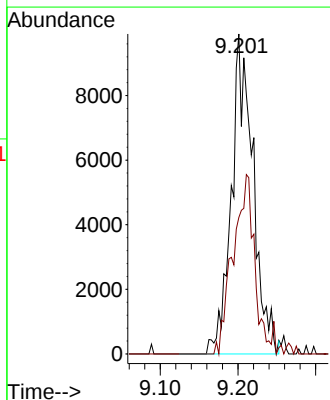
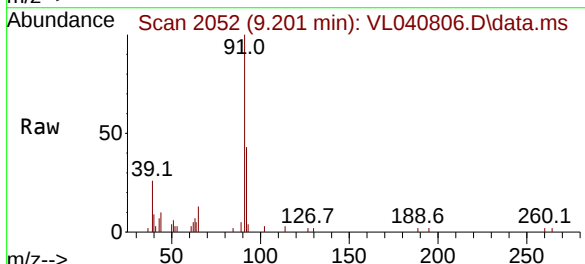
Manual Integrations
APPROVED

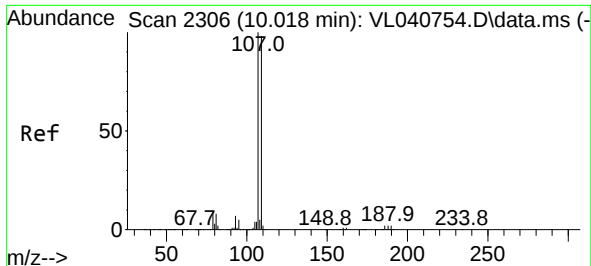
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#53
Toluene
Concen: 0.087 ppbv m
RT: 9.201 min Scan# 2052
Delta R.T. -0.029 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 91 Resp: 19102
Ion Ratio Lower Upper
91 100
92 0.0 50.2 75.2





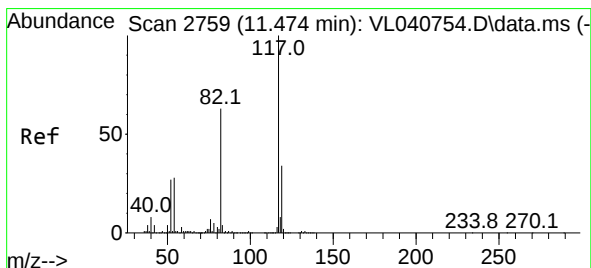
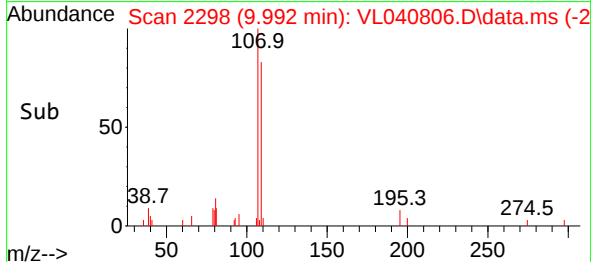
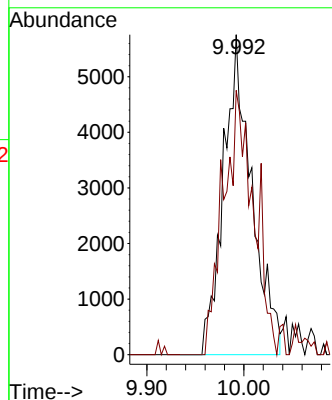
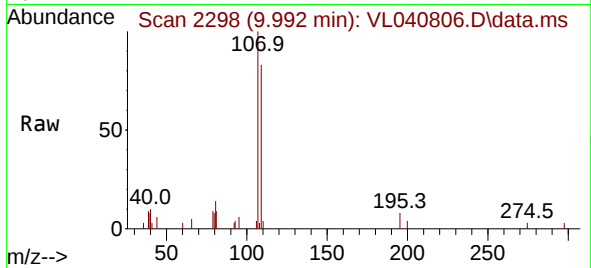
#54
1,2-Dibromoethane
Concen: 0.110 ppbv m
RT: 9.992 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion:107 Resp: 11614
Ion Ratio Lower Upper
107 100
109 82.6 78.2 117.2

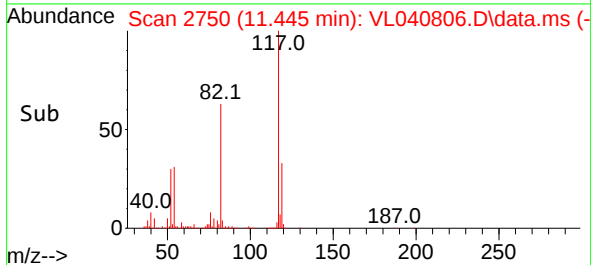
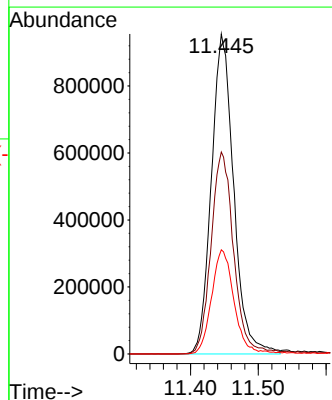
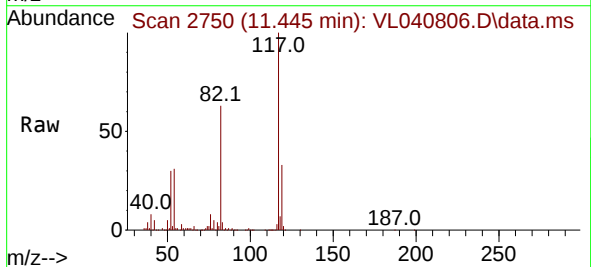
Manual Integrations
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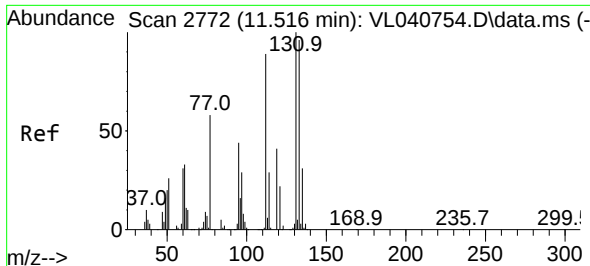
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.445 min Scan# 2750
Delta R.T. -0.029 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

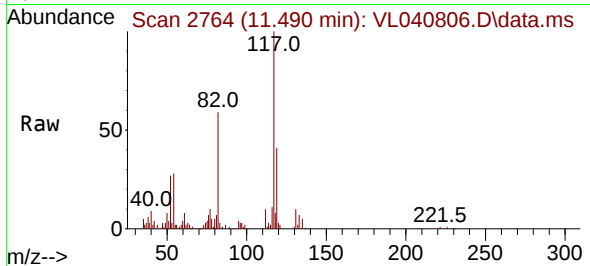
Tgt Ion:117 Resp: 2183536
Ion Ratio Lower Upper
117 100
82 64.5 46.6 70.0
119 33.1 26.0 39.0





#56
1,1,1,2-Tetrachloroethane
Concen: 0.109 ppbv m
RT: 11.490 min Scan# 2764
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

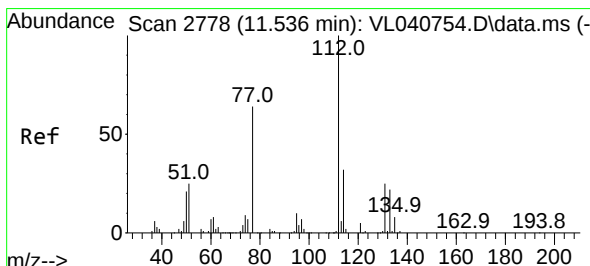
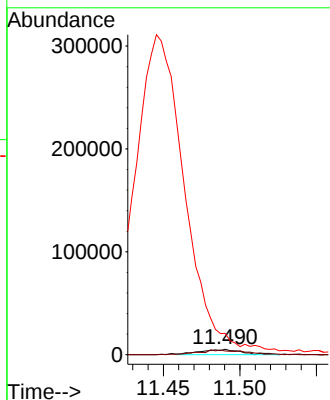
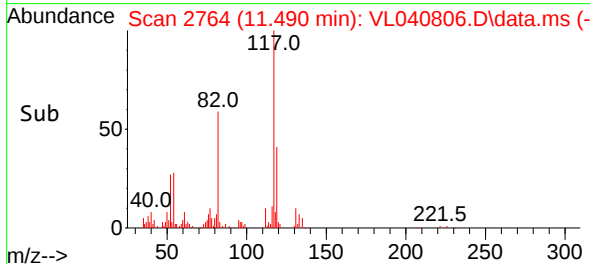
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:131 Resp: 9714
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6
119 0.0 45.4 68.0

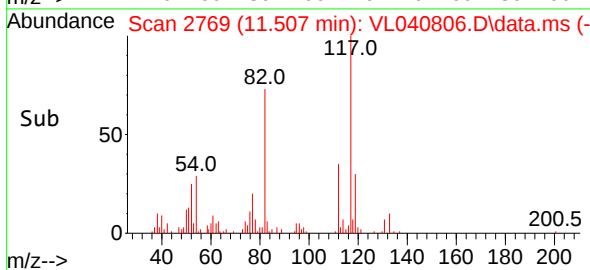
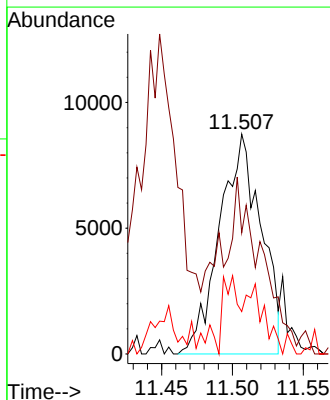
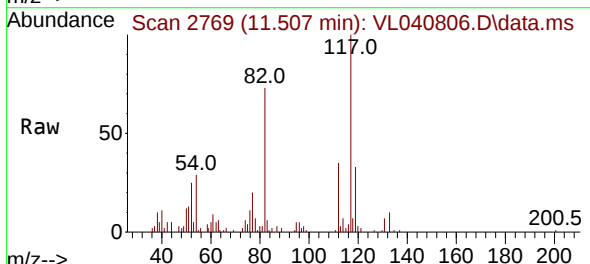
Manual Integrations
APPROVED

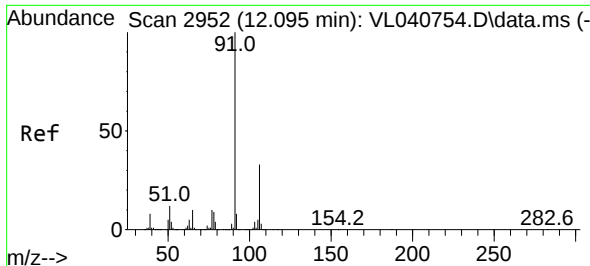
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#57
Chlorobenzene
Concen: 0.114 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. -0.029 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion:112 Resp: 17781
Ion Ratio Lower Upper
112 100
77 26.6 51.9 77.9#
114 12.7 28.6 35.0#





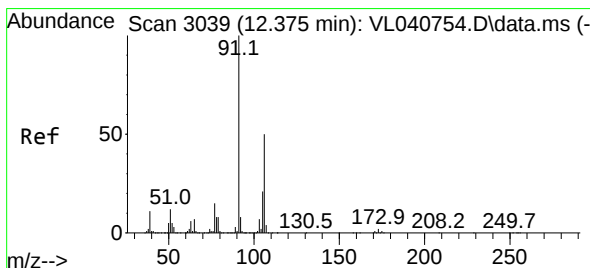
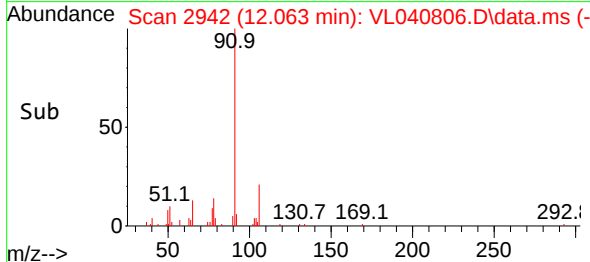
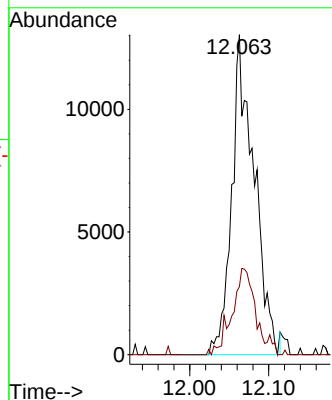
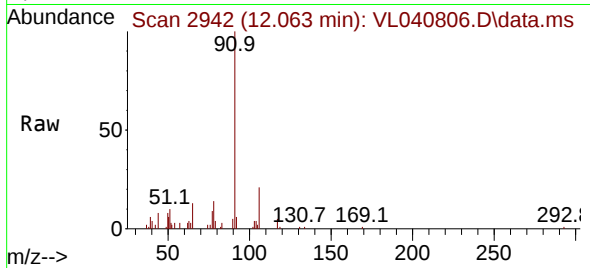
#58
Ethyl Benzene
Concen: 0.093 ppbv m
RT: 12.063 min Scan# 2952
Delta R.T. -0.032 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 25528
Ion Ratio Lower Upper
91 100
106 21.3 26.7 40.1

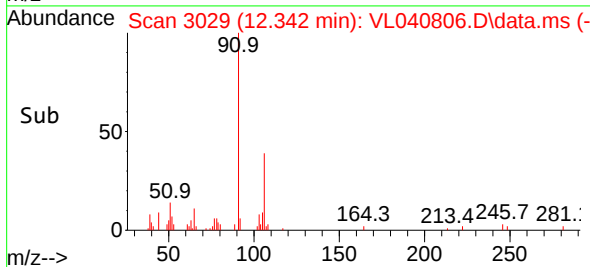
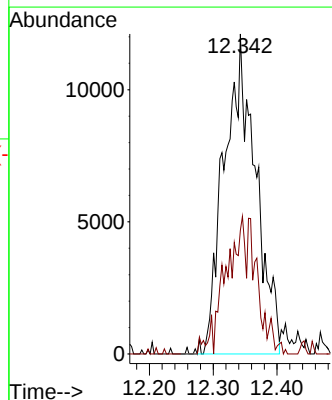
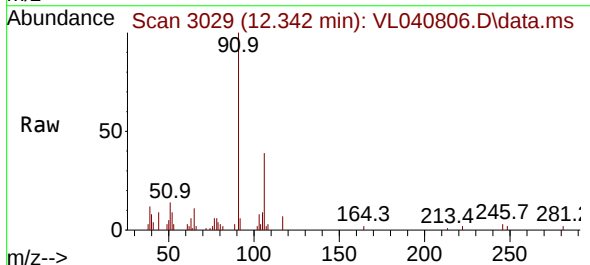
Manual Integrations
APPROVED

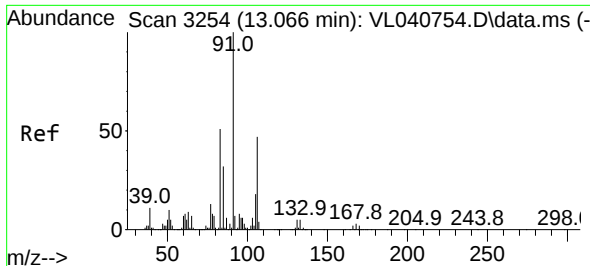
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#59
m/p-Xylene
Concen: 0.182 ppbv m
RT: 12.342 min Scan# 3029
Delta R.T. -0.032 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 91 Resp: 41214
Ion Ratio Lower Upper
91 100
106 42.0 37.7 56.5





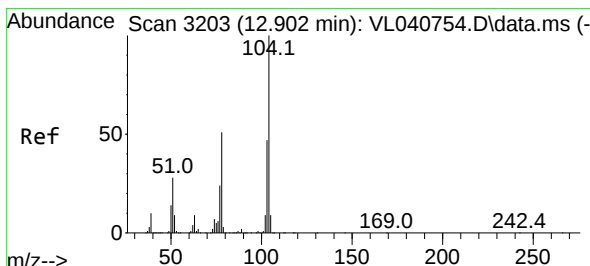
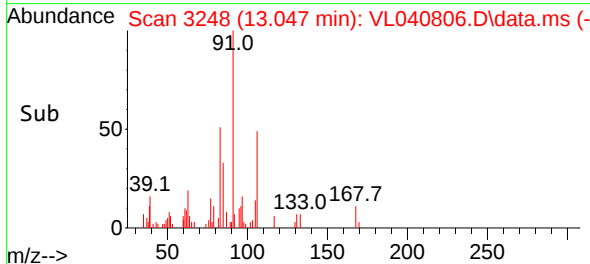
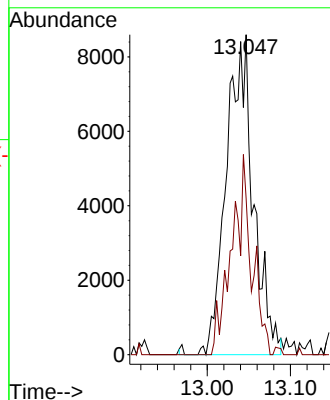
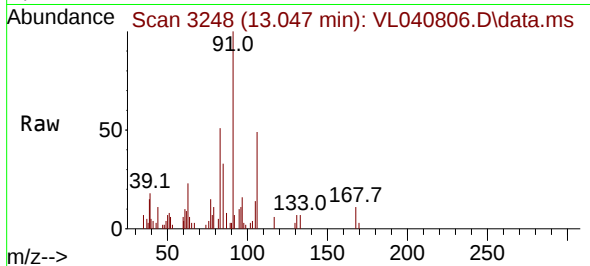
#60
o-Xylene
Concen: 0.090 ppbv m
RT: 13.047 min Scan# 3194
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 1935
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.5

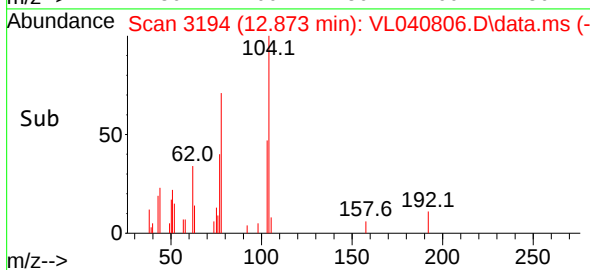
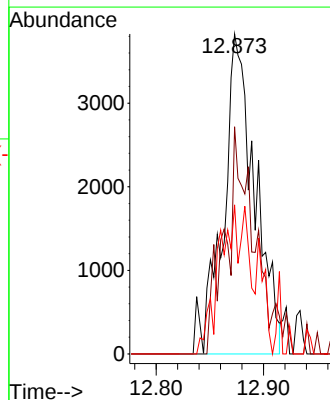
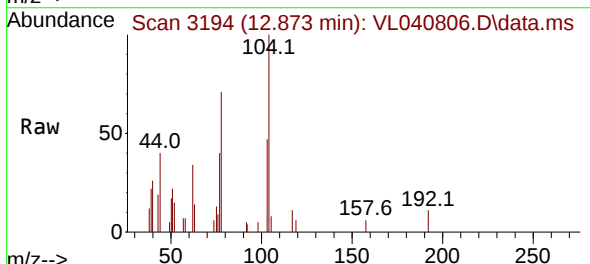
Manual Integrations
APPROVED

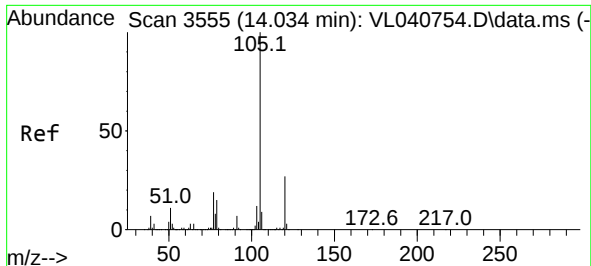
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#61
Styrene
Concen: 0.066 ppbv m
RT: 12.873 min Scan# 3194
Delta R.T. -0.029 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

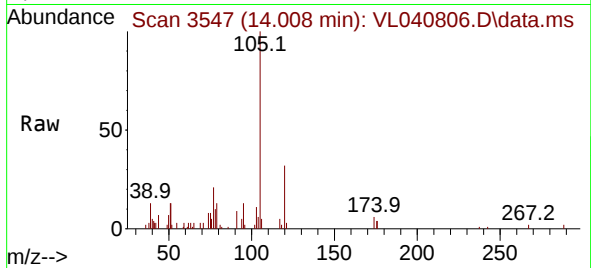
Tgt Ion:104 Resp: 7837
Ion Ratio Lower Upper
104 100
78 67.3 39.8 59.6#
103 54.2 37.5 56.3





#62
Isopropylbenzene
Concen: 0.104 ppbv m
RT: 14.008 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

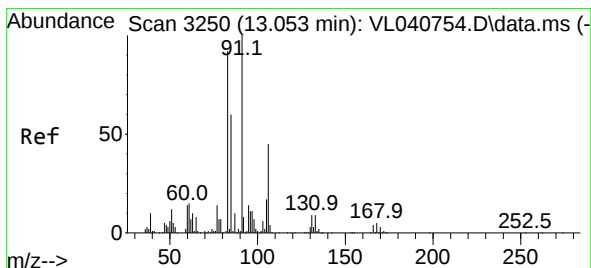
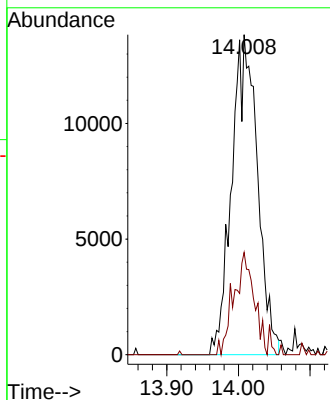
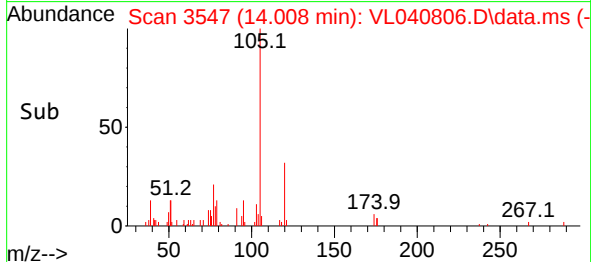
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 3462
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3

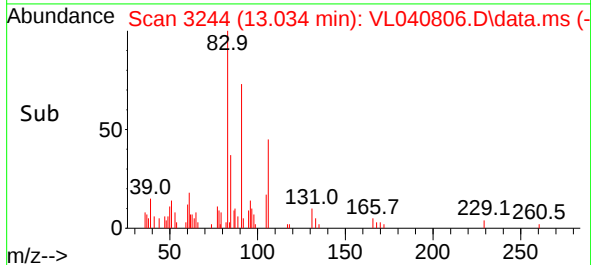
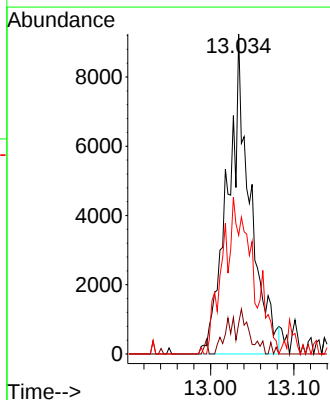
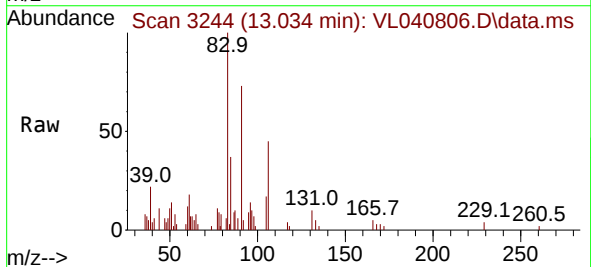
Manual Integrations
APPROVED

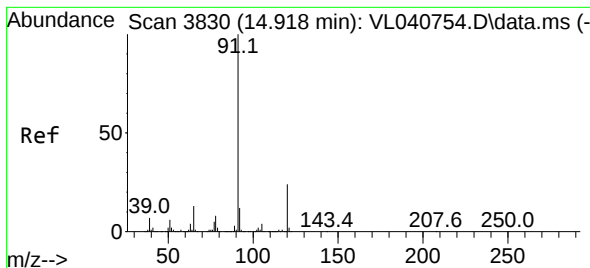
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.107 ppbv m
RT: 13.034 min Scan# 3244
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion: 83 Resp: 17261
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6#
85 0.0 32.9 98.7#





#64

n-propylbenzene

Concen: 0.097 ppbv m

RT: 14.908 min Scan# 3827

Delta R.T. -0.010 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:120 Resp: 8612

Ion Ratio Lower Upper

120 100

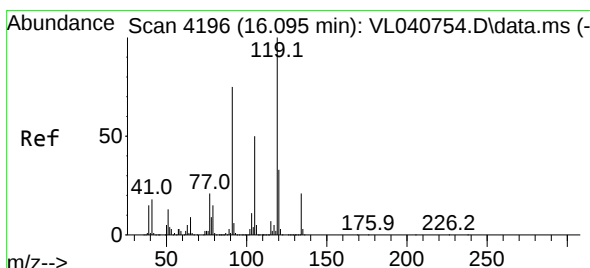
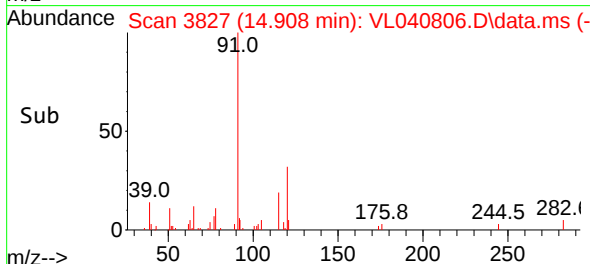
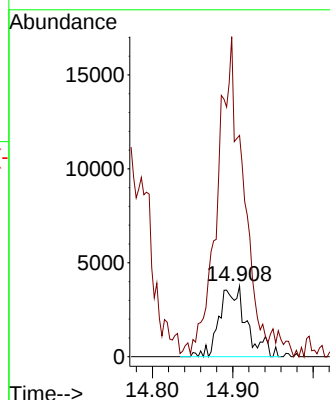
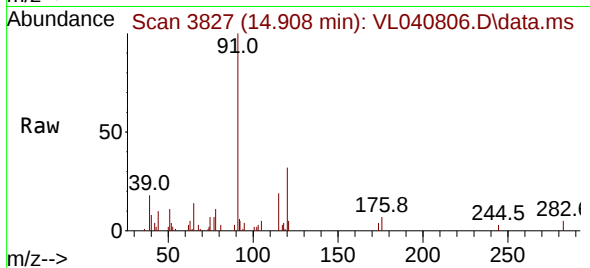
91 0.0 345.9 518.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#65

tert-Butylbenzene

Concen: 0.089 ppbv m

RT: 16.069 min Scan# 4188

Delta R.T. -0.026 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

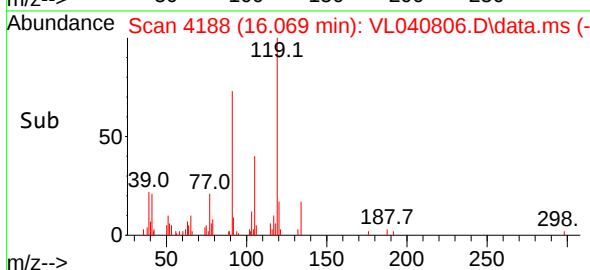
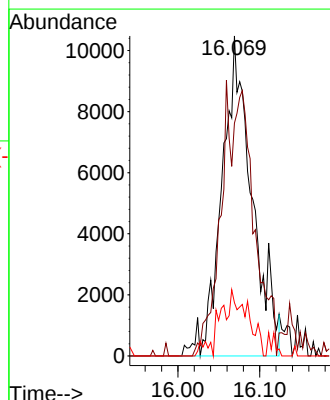
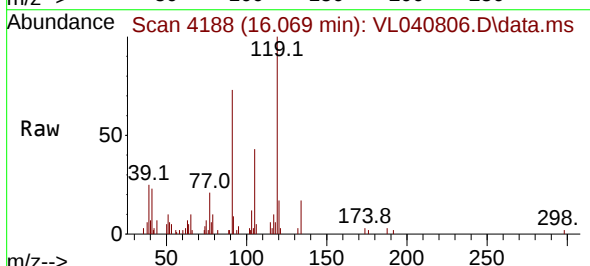
Tgt Ion:119 Resp: 26641

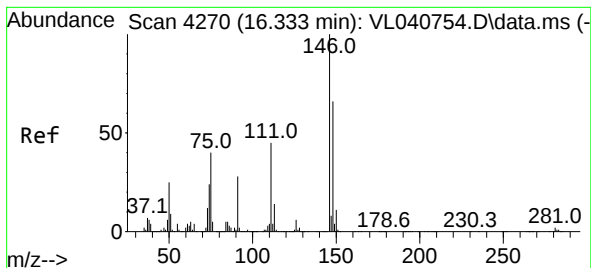
Ion Ratio Lower Upper

119 100

91 98.4 62.2 93.2#

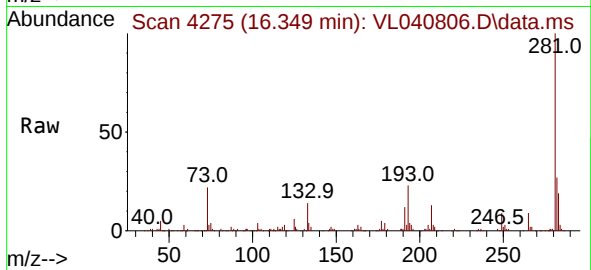
134 19.9 16.1 24.1





#66
Benzyl Chloride
Concen: 0.043 ppbv m
RT: 16.349 min Scan# 41
Delta R.T. 0.016 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

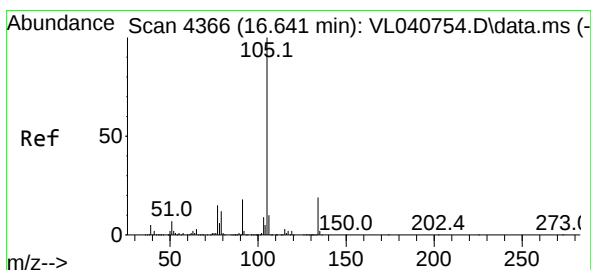
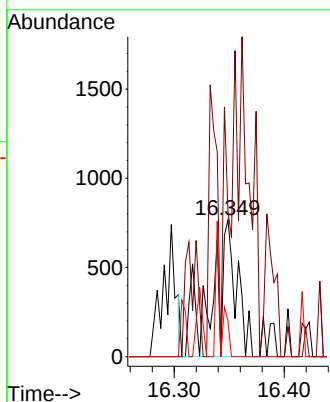
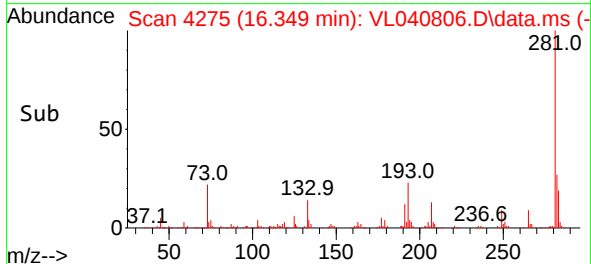
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



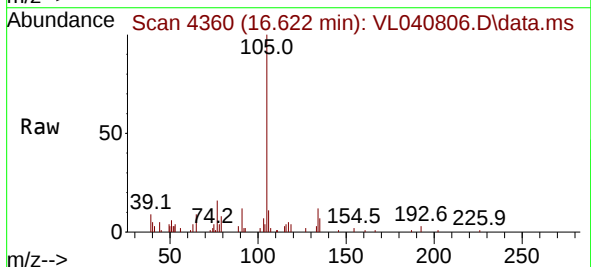
Tgt Ion: 91 Resp: 130
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1
128 0.0 5.2 7.8

Manual Integrations
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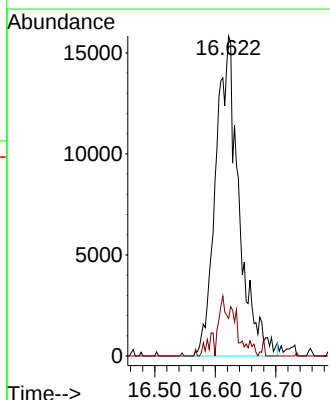
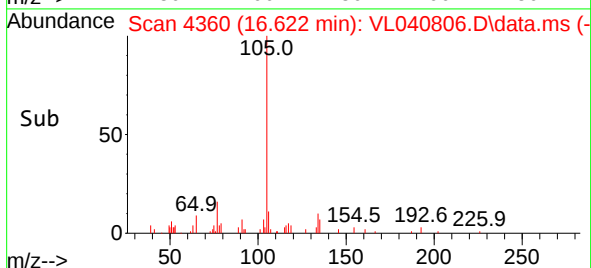
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

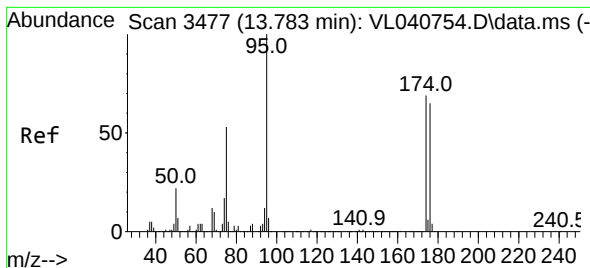


#67
sec-Butylbenzene
Concen: 0.103 ppbv m
RT: 16.622 min Scan# 4360
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50



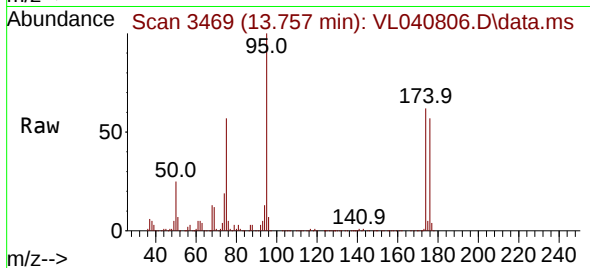
Tgt Ion:105 Resp: 42183
Ion Ratio Lower Upper
105 100
134 15.2 15.4 23.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.584 ppbv
RT: 13.757 min Scan# 3477
Delta R.T. -0.026 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

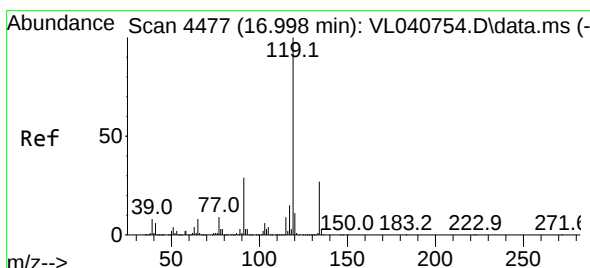
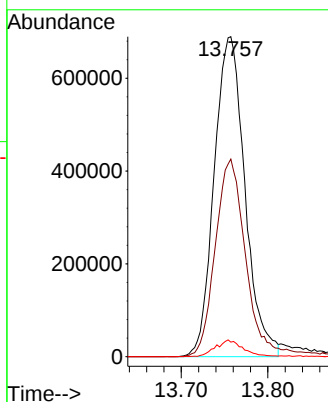
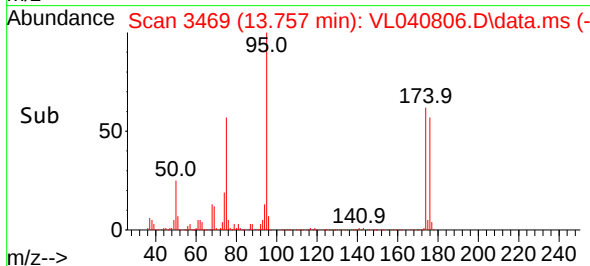
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



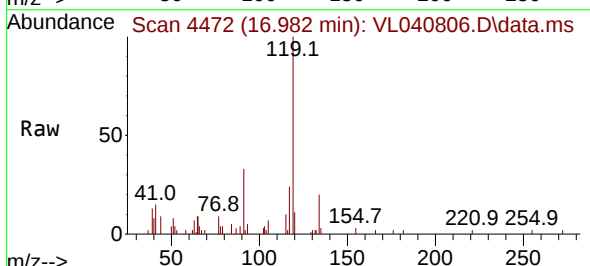
Tgt Ion: 95 Resp: 170055
Ion Ratio Lower Upper
95 100
174 63.3 54.7 82.1
175 4.8 4.2 6.4

Manual Integrations
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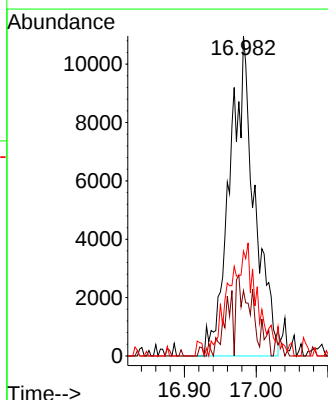
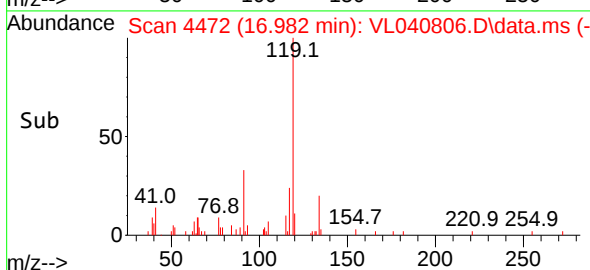
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

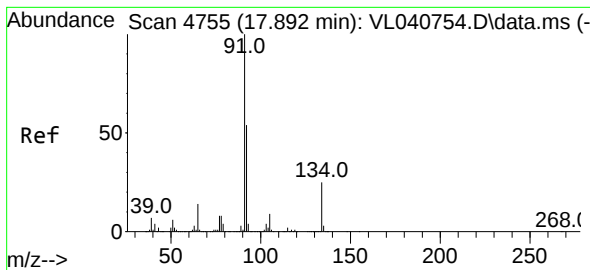


#69
p-Isopropyltoluene
Concen: 0.077 ppbv m
RT: 16.982 min Scan# 4472
Delta R.T. -0.016 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50



Tgt Ion:119 Resp: 26405
Ion Ratio Lower Upper
119 100
134 6.8 21.0 31.4#
91 0.0 22.8 34.2#





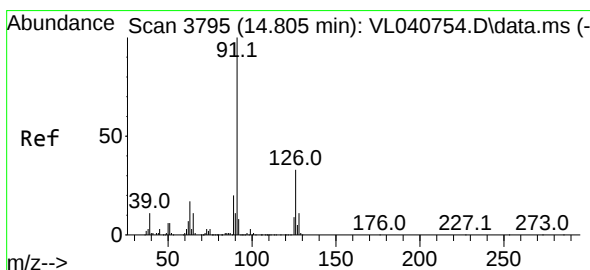
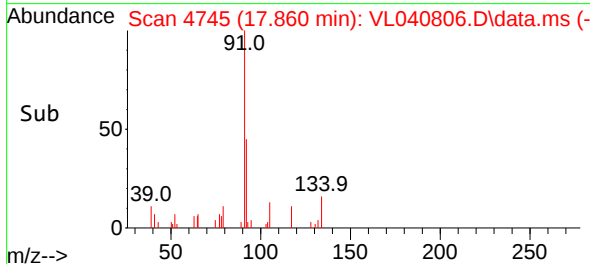
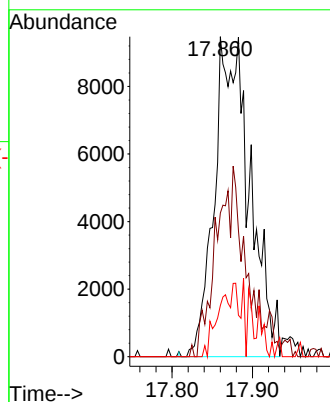
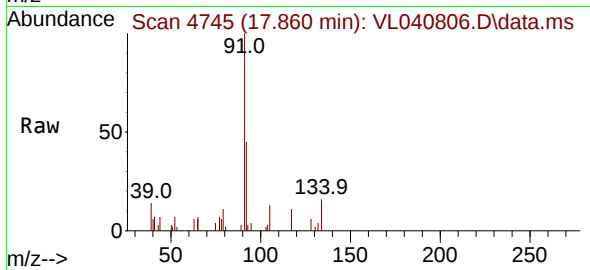
#70
n-Butylbenzene
Concen: 0.085 ppbv m
RT: 17.860 min Scan# 4755
Delta R.T. -0.032 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 28714
Ion Ratio Lower Upper
91 100
92 0.0 44.1 66.1
134 0.0 19.5 29.3

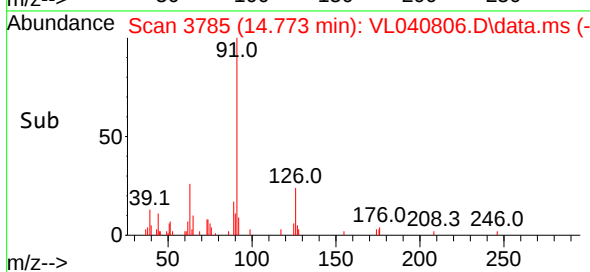
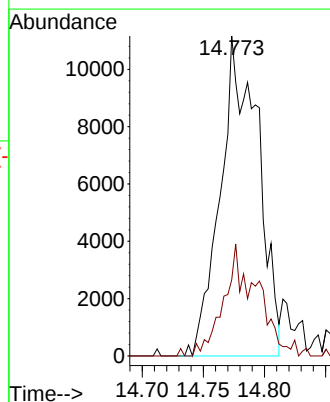
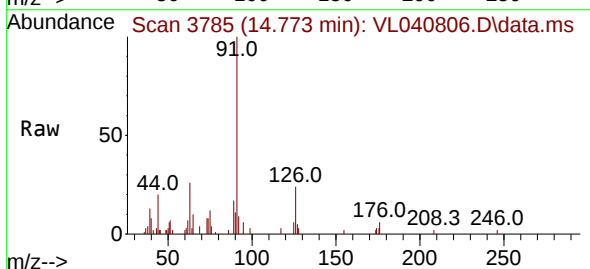
Manual Integrations
APPROVED

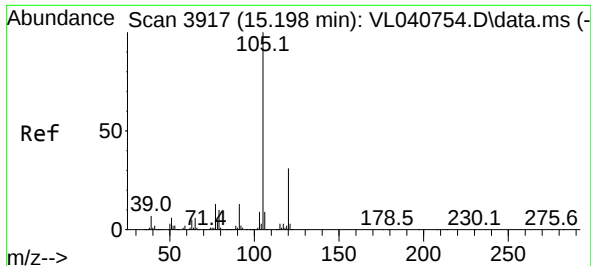
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#71
2-Chlorotoluene
Concen: 0.096 ppbv m
RT: 14.773 min Scan# 3785
Delta R.T. -0.032 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

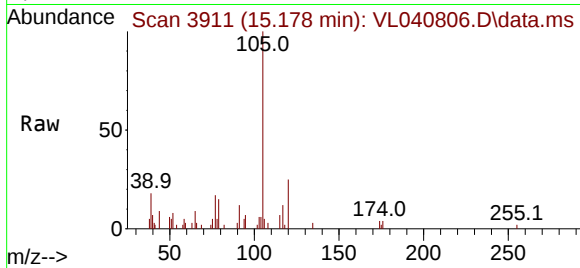
Tgt Ion: 91 Resp: 23909
Ion Ratio Lower Upper
91 100
126 31.4 13.3 53.1





#72
4-Ethyltoluene
Concen: 0.094 ppbv m
RT: 15.178 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

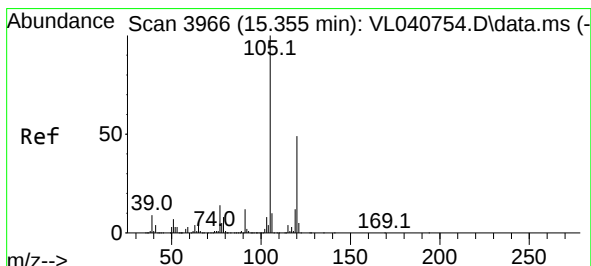
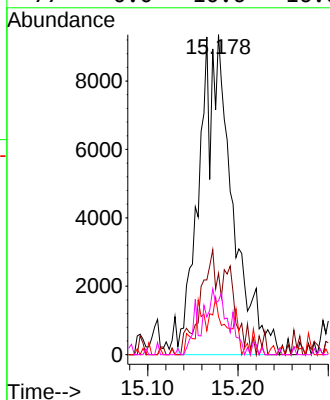
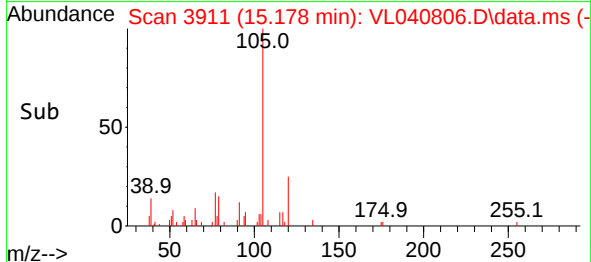
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 23660
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 0.0 9.8 14.8#
77 0.0 10.6 16.0#

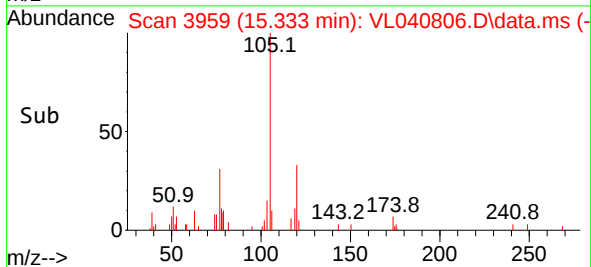
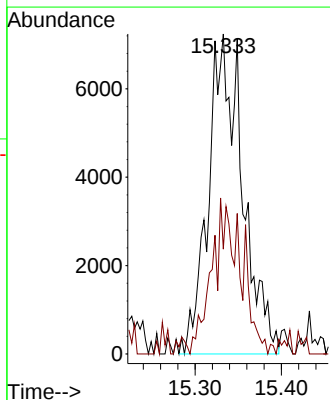
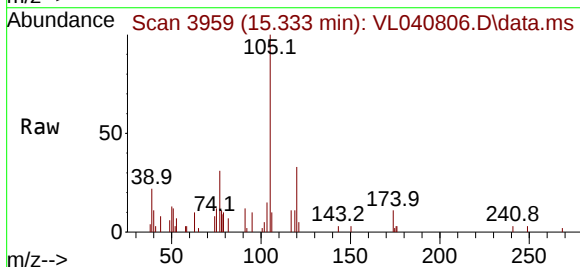
Manual Integrations
APPROVED

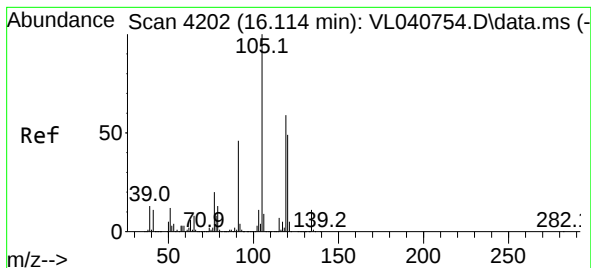
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#73
1,3,5-Trimethylbenzene
Concen: 0.089 ppbv m
RT: 15.333 min Scan# 3959
Delta R.T. -0.023 min
Lab File: VL040806.D
Acq: 25 Oct 2023 18:50

Tgt Ion:105 Resp: 19835
Ion Ratio Lower Upper
105 100
120 32.8 39.4 59.2#





#74

1,2,4-Trimethylbenzene

Concen: 0.091 ppbv m

RT: 16.072 min Scan# 4189

Delta R.T. -0.042 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

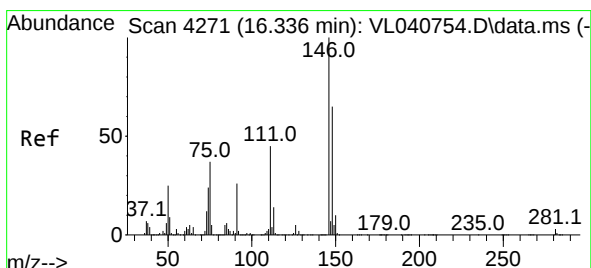
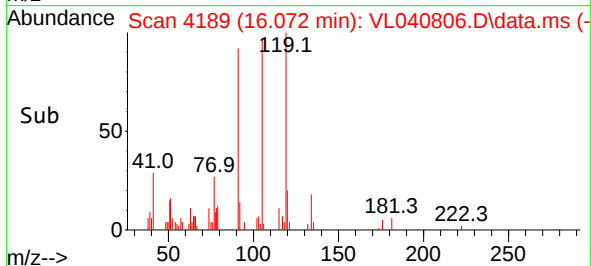
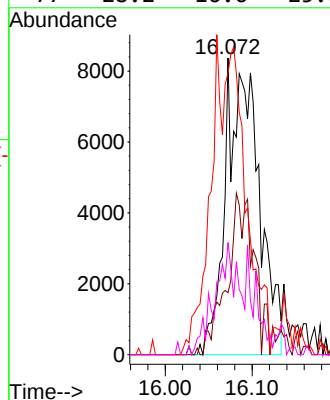
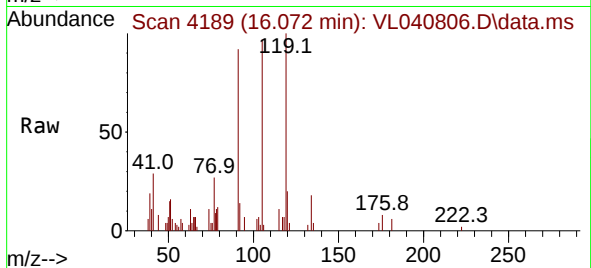
Tgt Ion:	105	Resp:	22089
Ion Ratio	Lower	Upper	
105	100		
120	20.9	39.4	59.2#
91	95.0	38.6	58.0#
77	28.2	16.6	25.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#75

1,3-Dichlorobenzene

Concen: 0.109 ppbv m

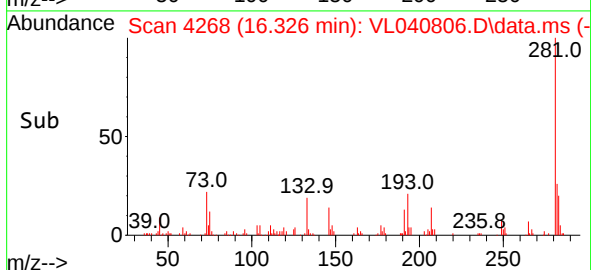
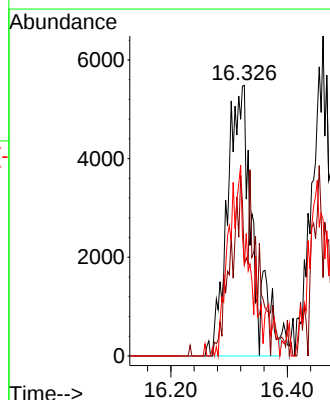
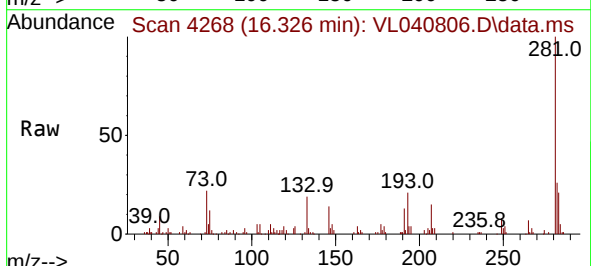
RT: 16.326 min Scan# 4268

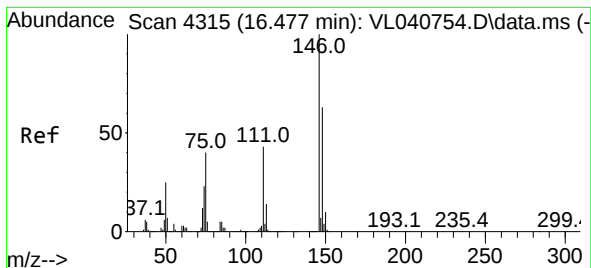
Delta R.T. -0.010 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Tgt Ion:	146	Resp:	16446
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.6	67.7#
148	0.0	32.4	97.0#





#76

1,4-Dichlorobenzene

Concen: 0.100 ppbv m

RT: 16.461 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

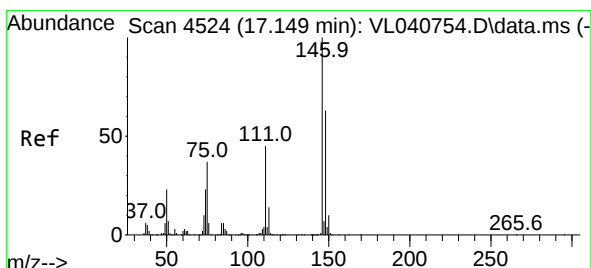
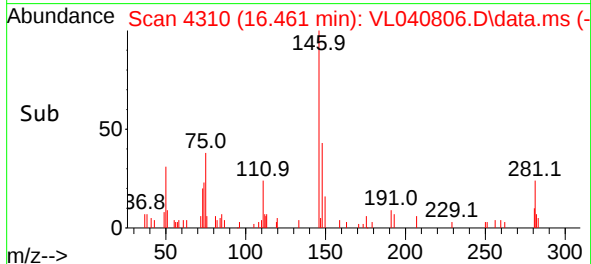
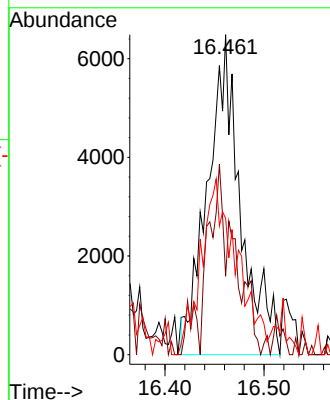
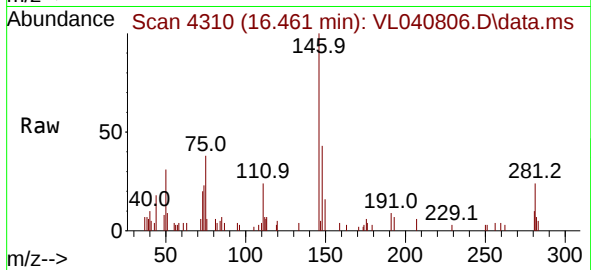
Tgt Ion:146 Resp: 14952
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.0 66.0#
 148 0.0 33.4 100.1#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#77

1,2-Dichlorobenzene

Concen: 0.102 ppbv m

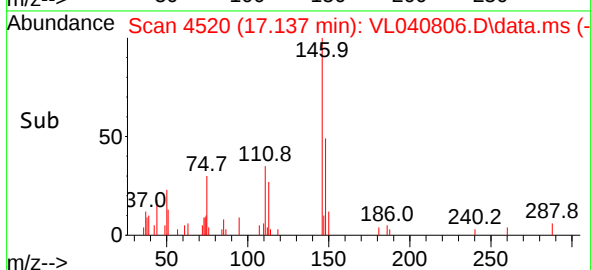
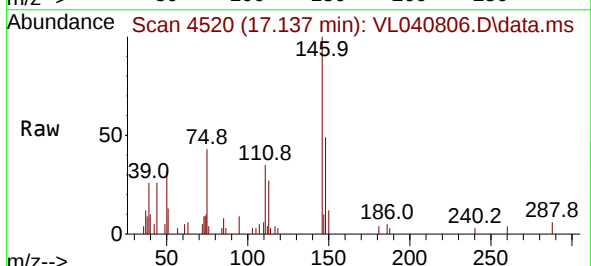
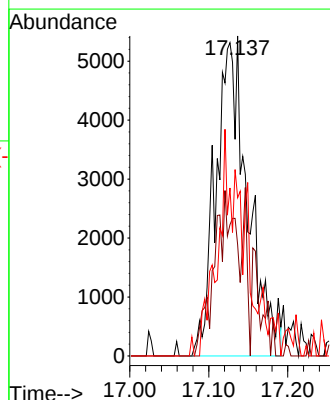
RT: 17.137 min Scan# 4520

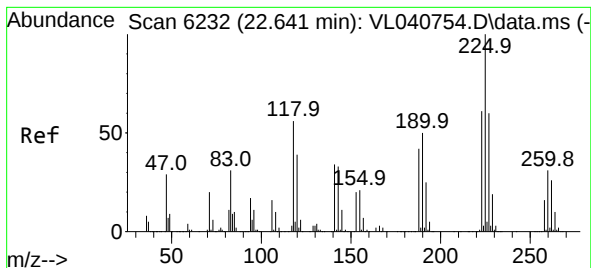
Delta R.T. -0.013 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Tgt Ion:146 Resp: 15130
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.9 68.8#
 148 0.0 32.3 96.8#





#78

Hexachloro-1,3-Butadiene

Concen: 0.106 ppbv m

RT: 22.612 min Scan# 61

Delta R.T. -0.029 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

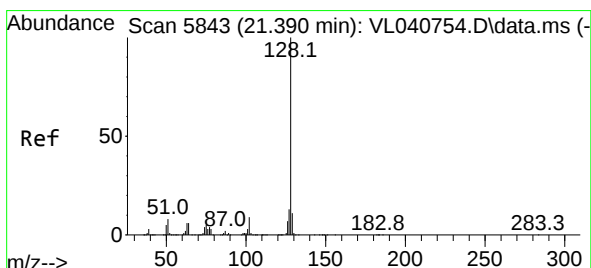
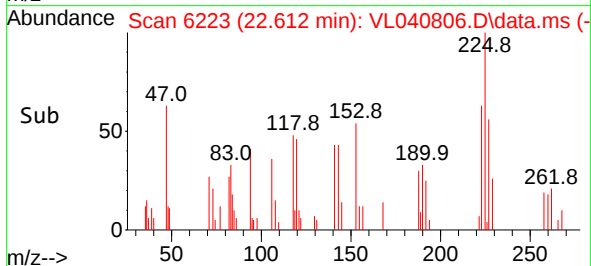
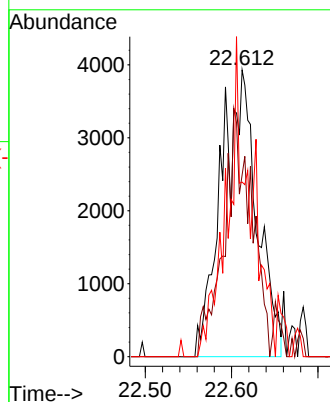
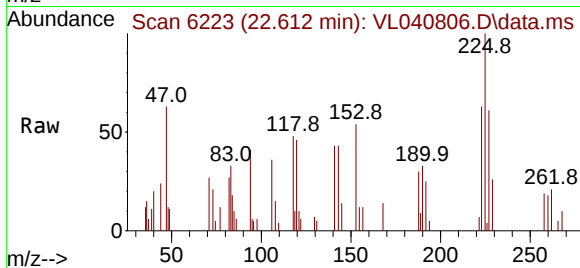
MDL-AIR-03-QT4-2023DL

Tgt Ion:	225	Resp:	11250
Ion Ratio	Lower	Upper	
225	100		
223	0.0	50.7	76.1#
227	0.0	51.4	77.0#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#79

Naphthalene

Concen: 0.033 ppbv m

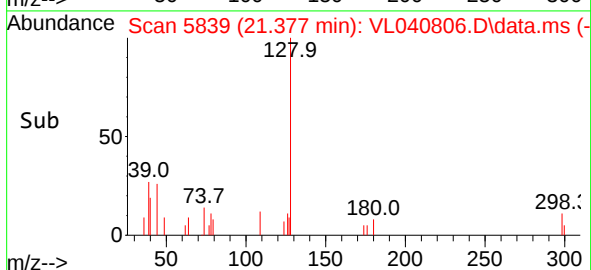
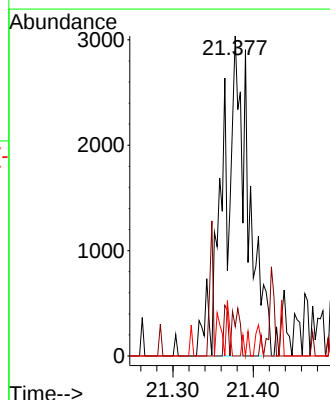
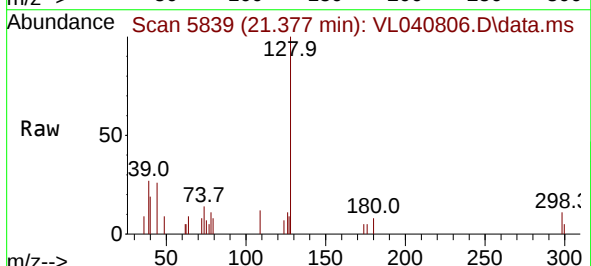
RT: 21.377 min Scan# 5839

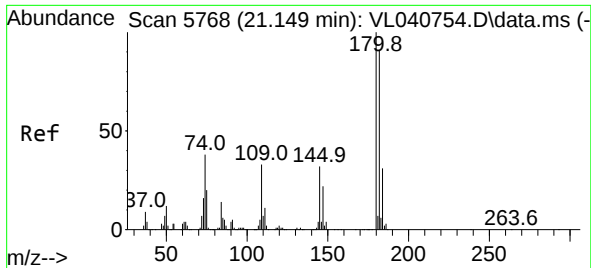
Delta R.T. -0.013 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Tgt Ion:	128	Resp:	6545
Ion Ratio	Lower	Upper	
128	100		
127	9.2	10.6	15.8#
129	0.0	9.0	13.4#





#81

1,2,4-Trichlorobenzene

Concen: 0.047 ppbv m

RT: 21.130 min Scan# 51

Delta R.T. -0.019 min

Lab File: VL040806.D

Acq: 25 Oct 2023 18:50

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:180 Resp: 502

Ion Ratio Lower Upper

180 100

182 0.0 77.9 116.9

184 0.0 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023

