

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040786.D
 Acq On : 23 Oct 2023 19:53
 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 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:12:29 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 : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	861853	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2461969	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	1300102m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1687609 17.641 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 176.400%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	17978	0.118	ppbv	97
3) Chlorodifluoromethane	2.684	51	14743	0.116	ppbv	98
4) Chloromethane	2.822	50	5989	0.120	ppbv #	83
5) Vinyl Chloride	2.925	62	5926	0.115	ppbv #	73
6) Bromomethane	3.121	94	2795m	0.131	ppbv	
7) Chloroethane	3.202	64	1869m	0.111	ppbv	
8) Dichlorotetrafluoroethane	2.867	85	14012	0.122	ppbv	94
9) Propene	2.706	41	7099	0.151	ppbv	92
10) Heptane	7.562	43	12382	0.105	ppbv	93
11) Trichlorofluoromethane	3.565	101	14748	0.126	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.063	101	10510m	0.126	ppbv	
13) Ethanol	3.266	45	2968m	0.279	ppbv	
14) Bromoethene	3.372	108	4274m	0.119	ppbv	
15) Acetone	3.494	43	23087m	0.259	ppbv	
16) 1,3-Butadiene	2.989	39	6098	0.130	ppbv	91
17) tert-Butyl alcohol	3.906	59	12573m	0.138	ppbv	
18) 1,1-Dichloroethene	3.877	96	4735m	0.126	ppbv	
19) Isopropyl Alcohol	3.607	45	9290m	0.162	ppbv	
20) Methylene Chloride	3.935	84	11780	0.317	ppbv #	76
21) Allyl Chloride	3.993	41	7642m	0.130	ppbv	
22) trans-1,2-Dichloroethene	4.439	96	4957m	0.124	ppbv	
23) Vinyl Acetate	4.639	43	13434m	0.118	ppbv	
24) 1,1-Dichloroethane	4.555	63	10088	0.118	ppbv #	89
25) Ethyl Acetate	5.211	43	22825	0.117	ppbv #	97
26) Hexane	5.208	57	15601	0.175	ppbv	83
27) Carbon Disulfide	4.124	76	11449m	0.116	ppbv	
28) Methyl tert-Butyl Ether	4.603	73	8562m	0.123	ppbv	
29) Chloroform	5.269	83	16332m	0.127	ppbv	
30) Cyclohexane	6.590	84	7822m	0.103	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	8522	0.104	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	13586	0.099	ppbv #	89
34) 2-Butanone	4.806	43	15900m	0.143	ppbv	
35) Carbon Tetrachloride	6.481	117	14555m	0.105	ppbv	
36) Benzene	6.359	78	22395m	0.118	ppbv	
37) 1,2-Dichloroethane	5.800	62	12526m	0.129	ppbv	
38) Trichloroethene	7.285	130	9553m	0.114	ppbv	
39) 1,2-Dichloropropane	7.053	63	9265m	0.125	ppbv	
40) 1,4-Dioxane	7.324	88	4400m	0.157	ppbv	
41) Tetrahydrofuran	5.587	42	8446m	0.109	ppbv	
42) Bromodichloromethane	7.234	83	14116	0.097	ppbv #	98
43) Methyl Methacrylate	7.471	69	8134m	0.107	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	35965m	0.112	ppbv	
45) t-1,3-Dichloropropene	8.693	75	4269m	0.071	ppbv	

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Manual Integrations
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 Supervised By :Mahesh Dadoda 10/25/2023

Quant Time: Oct 24 16:12:29 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 : Tue Oct 24 16:11:15 2023

Response via : Initial Calibration

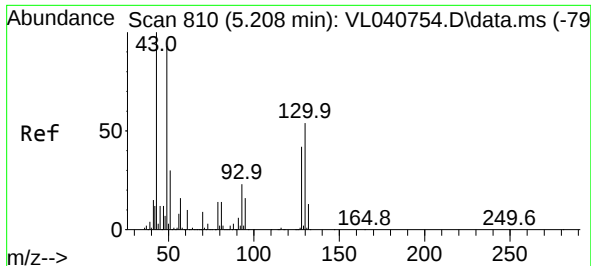
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	6099m	0.083	ppbv	
47) 1,1,2-Trichloroethane	8.880	97	9087m	0.117	ppbv	
48) Dibromochloromethane	9.696	129	12205m	0.094	ppbv	
49) Bromoform	12.388	173	8408m	0.079	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	19125m	0.100	ppbv	
51) 2-Hexanone	9.581	43	11783m	0.081	ppbv	
52) Tetrachloroethene	10.597	164	8407m	0.109	ppbv	
53) Toluene	9.205	91	21814	0.097	ppbv	92
54) 1,2-Dibromoethane	9.995	107	12098m	0.111	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.481	131	8998m	0.170	ppbv	
57) Chlorobenzene	11.507	112	20159m	0.216	ppbv	
58) Ethyl Benzene	12.069	91	30057	0.184	ppbv	95
59) m/p-Xylene	12.352	91	48420m	0.359	ppbv	
60) o-Xylene	13.034	91	23913m	0.186	ppbv	
61) Styrene	12.870	104	11745m	0.165	ppbv	
62) Isopropylbenzene	14.011	105	37907m	0.192	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	19995m	0.208	ppbv	
64) n-propylbenzene	14.892	120	7958m	0.150	ppbv	
65) tert-Butylbenzene	16.072	119	33062m	0.186	ppbv	
66) Benzyl Chloride	16.326	91	1737m	0.097	ppbv	
67) sec-Butylbenzene	16.619	105	49222m	0.202	ppbv	
69) p-Isopropyltoluene	16.976	119	37059m	0.181	ppbv	
70) n-Butylbenzene	17.870	91	33698m	0.168	ppbv	
71) 2-Chlorotoluene	14.786	91	28791m	0.194	ppbv	
72) 4-Ethyltoluene	15.179	105	27480m	0.183	ppbv	
73) 1,3,5-Trimethylbenzene	15.333	105	23481m	0.177	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	29280m	0.202	ppbv	
75) 1,3-Dichlorobenzene	16.307	146	18302m	0.204	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	18713m	0.210	ppbv	
77) 1,2-Dichlorobenzene	17.124	146	18973m	0.215	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	13185m	0.209	ppbv	
79) Naphthalene	21.374	128	8938m	0.076	ppbv	
81) 1,2,4-Trichlorobenzene	21.120	180	7051m	0.110	ppbv	

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

Manual Integrations

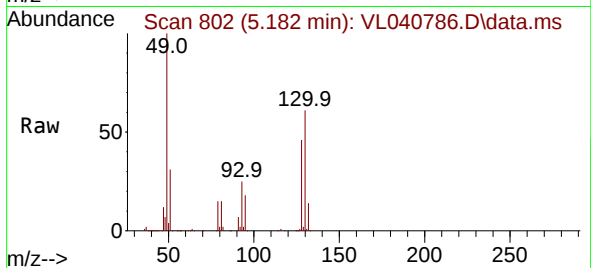
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

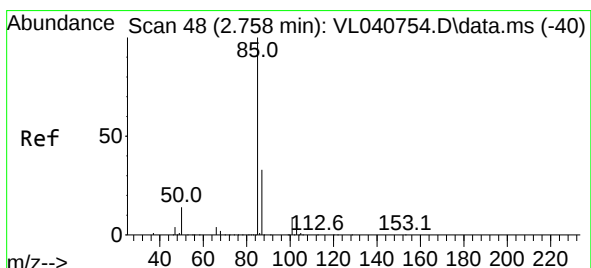
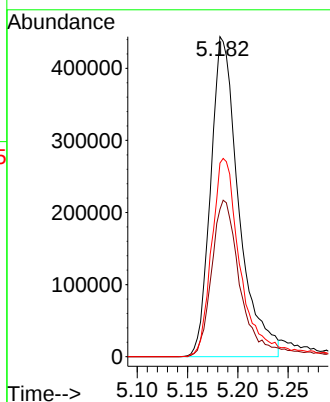
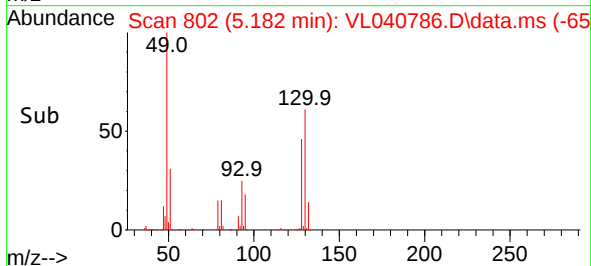
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 86185
Ion Ratio Lower Upper
49 100
128 52.0 23.9 71.7
130 65.6 30.7 92.1

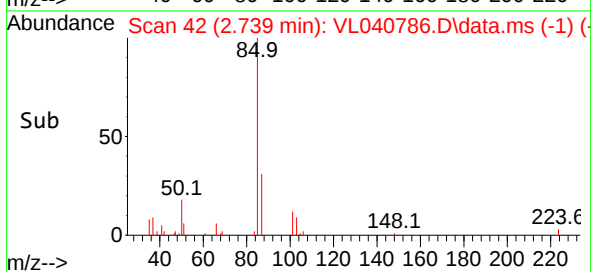
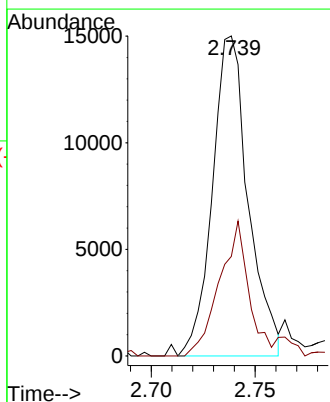
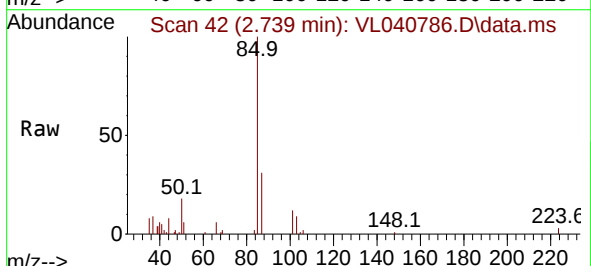
Manual Integrations
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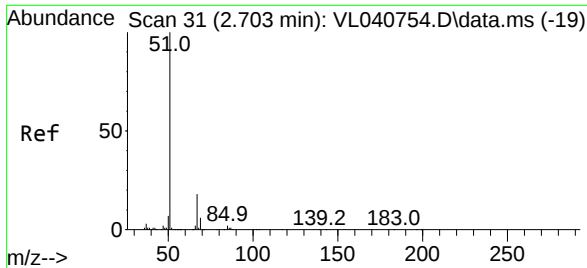
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.739 min Scan# 42
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 85 Resp: 17978
Ion Ratio Lower Upper
85 100
87 31.1 26.0 39.0





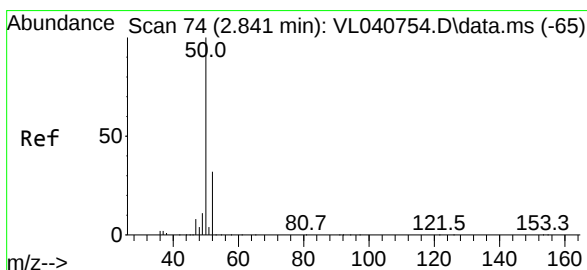
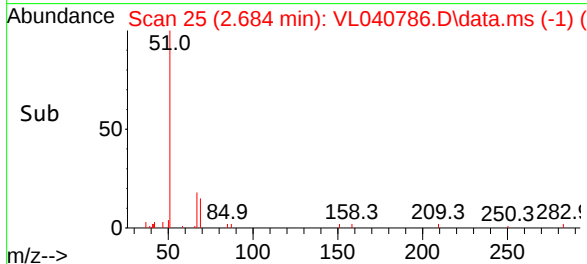
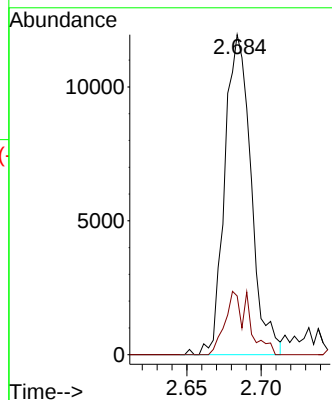
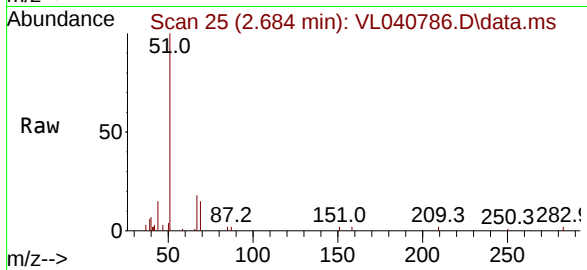
#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 51 Resp: 1474
Ion Ratio Lower Upper
51 100
67 18.1 13.8 20.6

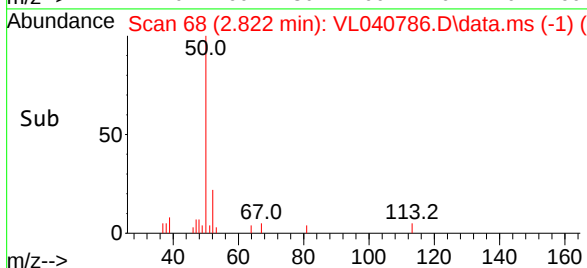
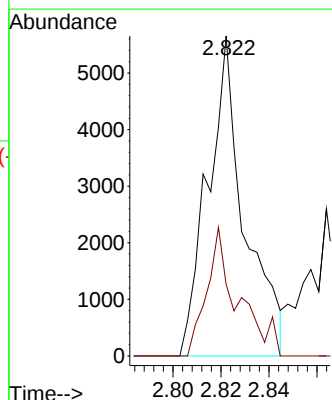
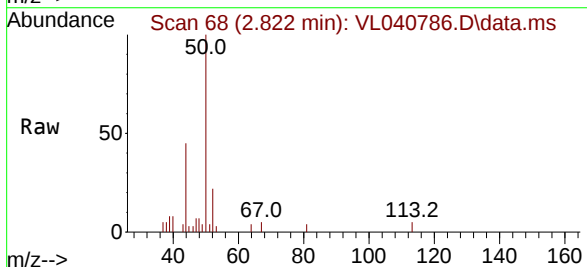
Manual Integrations
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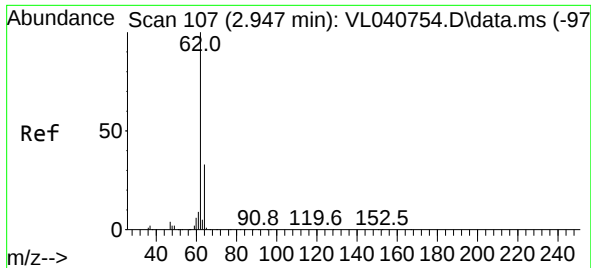
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Chloromethane
Concen: 0.120 ppbv
RT: 2.822 min Scan# 68
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

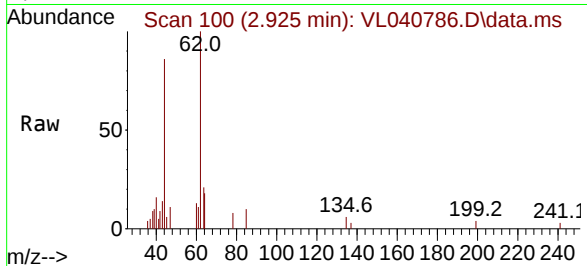
Tgt Ion: 50 Resp: 5989
Ion Ratio Lower Upper
50 100
52 22.4 25.3 37.9#





#5
 Vinyl Chloride
 Concen: 0.115 ppbv
 RT: 2.925 min Scan# 107
 Delta R.T. -0.022 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

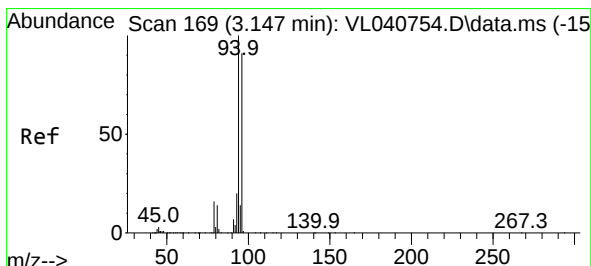
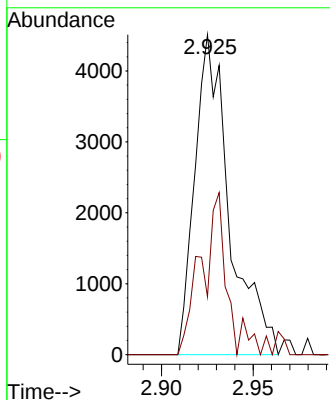
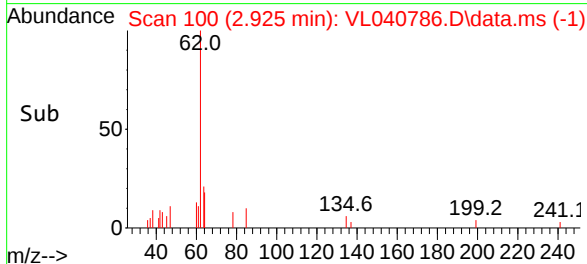
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 5920
 Ion Ratio Lower Upper
 62 100
 64 18.1 26.6 39.8

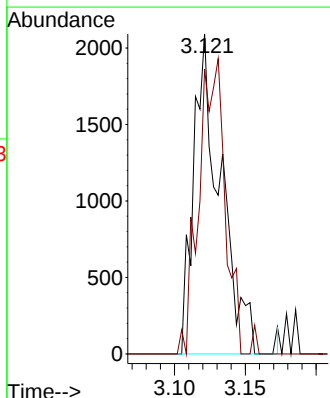
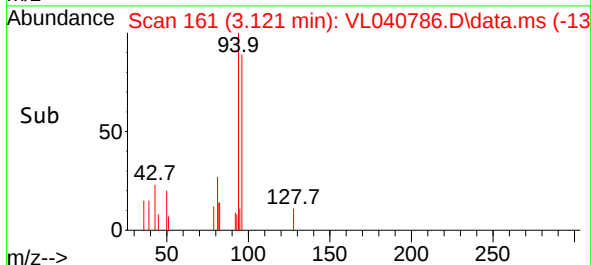
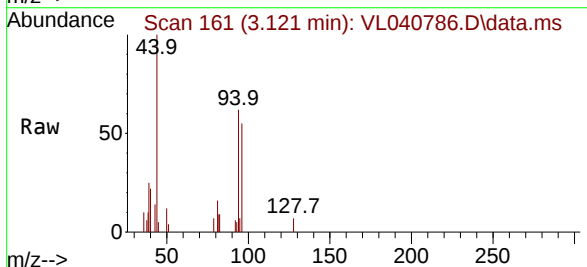
Manual Integrations
 APPROVED

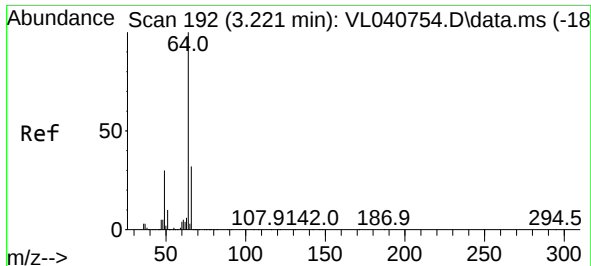
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#6
 Bromomethane
 Concen: 0.131 ppbv m
 RT: 3.121 min Scan# 161
 Delta R.T. -0.026 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

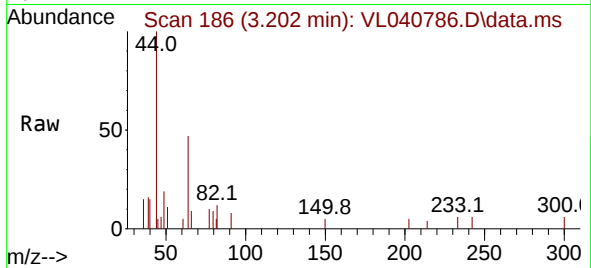
Tgt Ion: 94 Resp: 2795
 Ion Ratio Lower Upper
 94 100
 96 89.0 72.6 109.0





#7
Chloroethane
Concen: 0.111 ppbv m
RT: 3.202 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

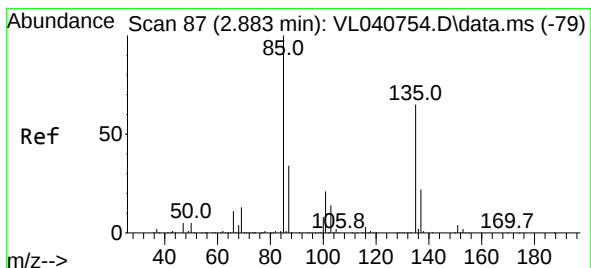
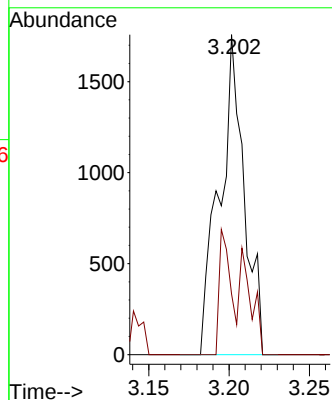
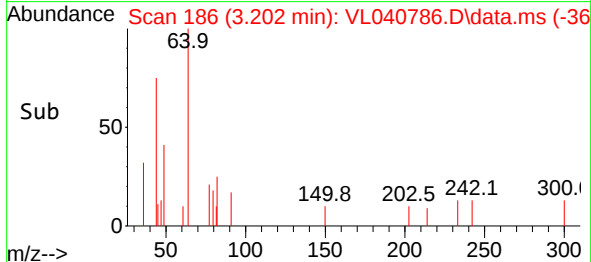
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 1869
Ion Ratio Lower Upper
64 100
66 18.9 25.4 38.2

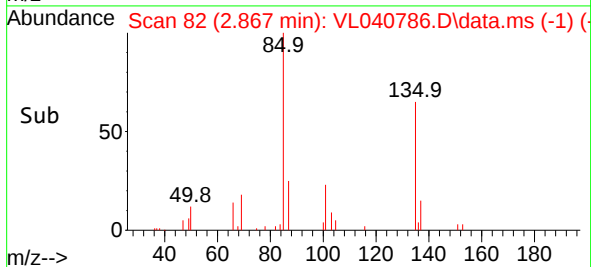
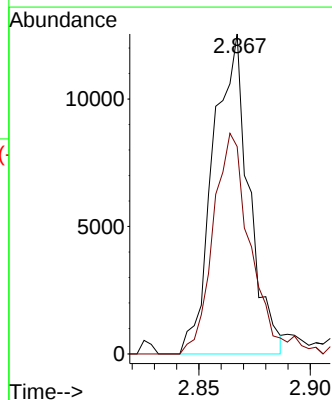
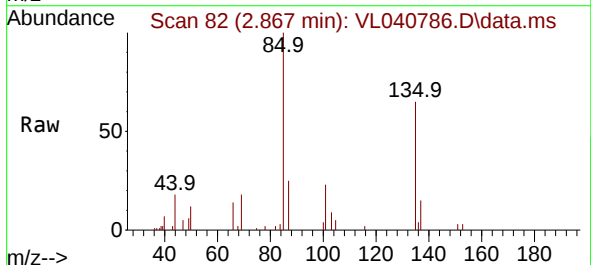
Manual Integrations
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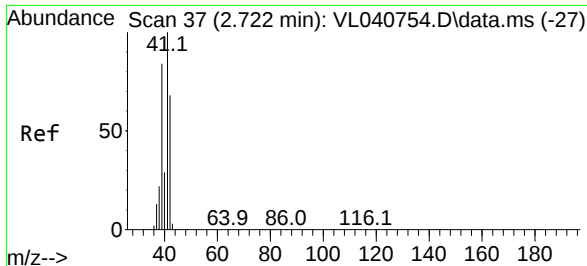
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#8
Dichlorotetrafluoroethane
Concen: 0.122 ppbv
RT: 2.867 min Scan# 82
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

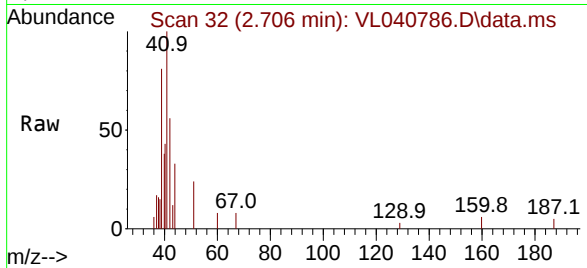
Tgt Ion: 85 Resp: 14012
Ion Ratio Lower Upper
85 100
135 74.1 55.4 83.2





#9
 Propene
 Concen: 0.151 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

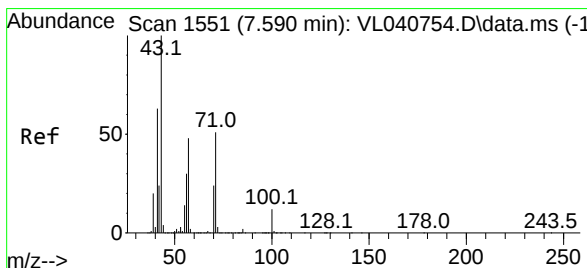
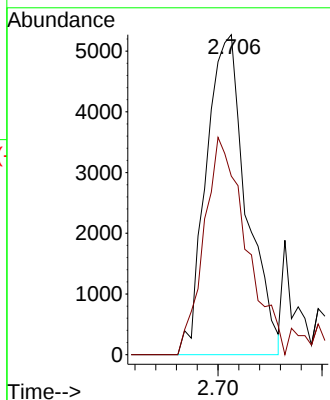
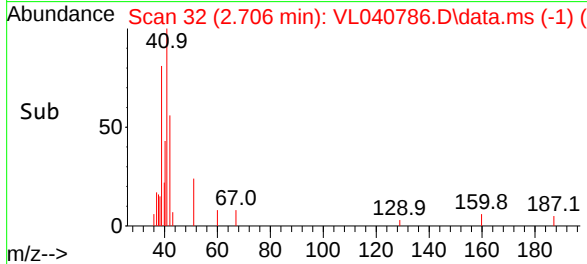
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 7099
 Ion Ratio Lower Upper
 41 100
 42 78.3 57.1 85.7

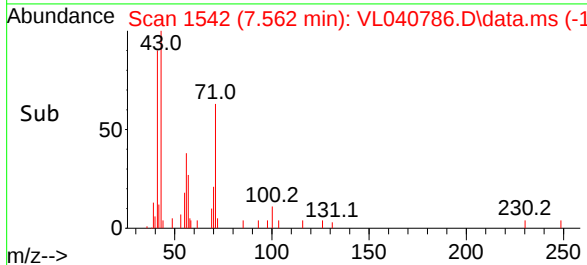
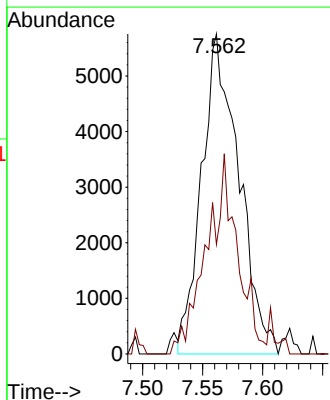
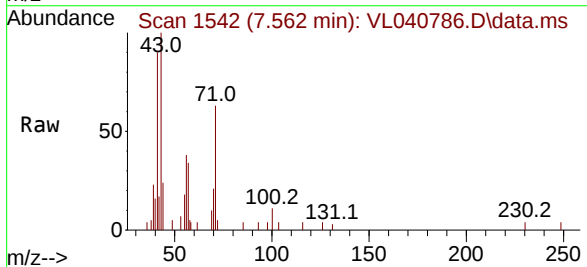
Manual Integrations
 APPROVED

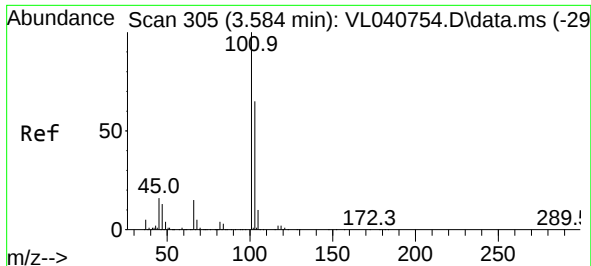
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#10
 Heptane
 Concen: 0.105 ppbv
 RT: 7.562 min Scan# 1542
 Delta R.T. -0.029 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

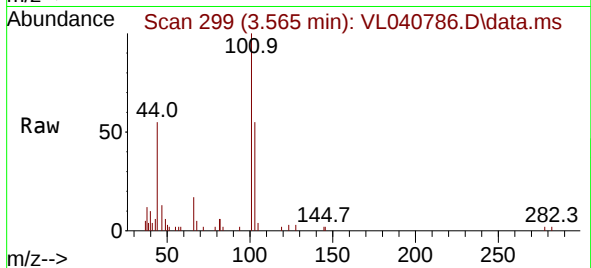
Tgt Ion: 43 Resp: 12382
 Ion Ratio Lower Upper
 43 100
 57 54.6 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.126 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

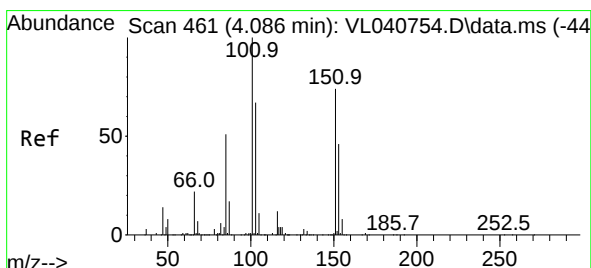
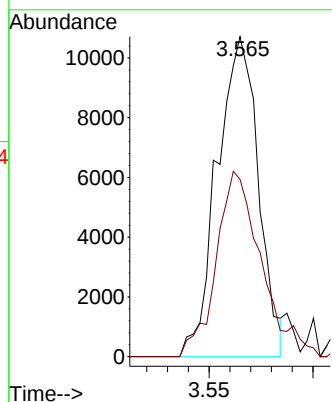
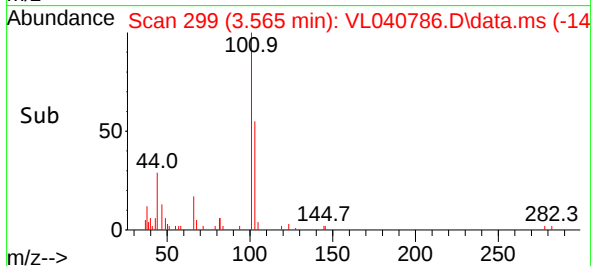
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 14748
Ion Ratio Lower Upper
101 100
103 55.4 52.2 78.2

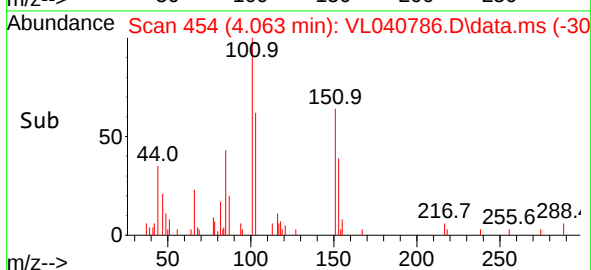
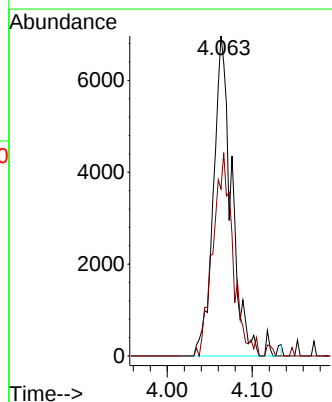
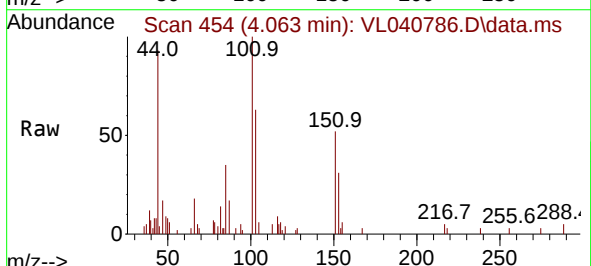
Manual Integrations
APPROVED

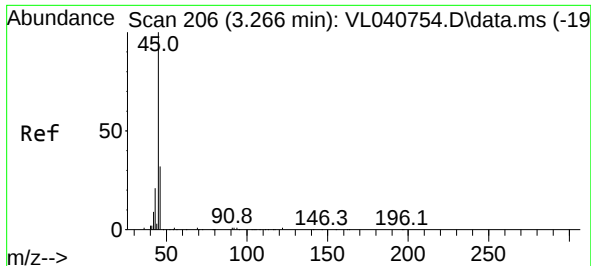
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.126 ppbv m
RT: 4.063 min Scan# 454
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

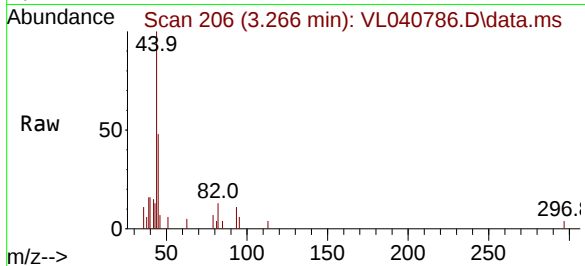
Tgt Ion:101 Resp: 10510
Ion Ratio Lower Upper
101 100
151 69.7 58.1 87.1





#13
Ethanol
Concen: 0.279 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.000 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

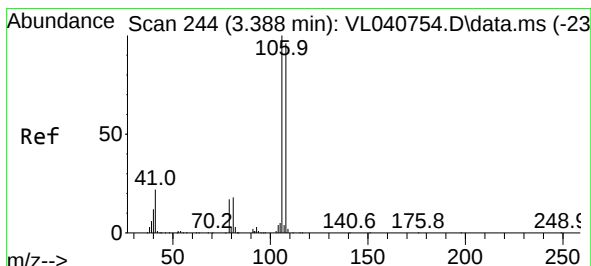
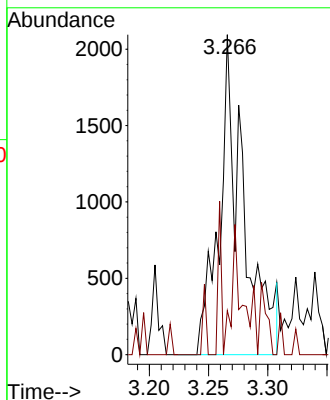
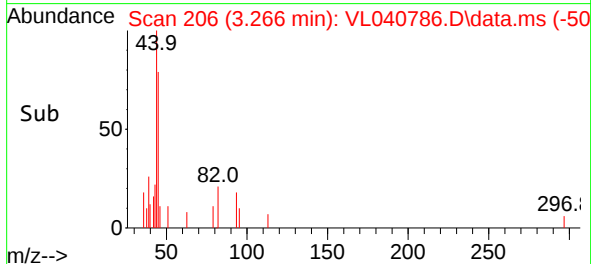
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



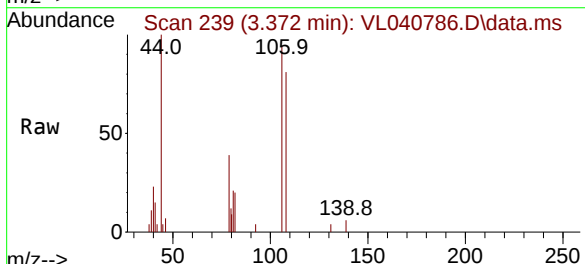
Tgt Ion: 45 Resp: 2968
Ion Ratio Lower Upper
45 100
46 25.3 14.6 58.2

Manual Integrations
APPROVED

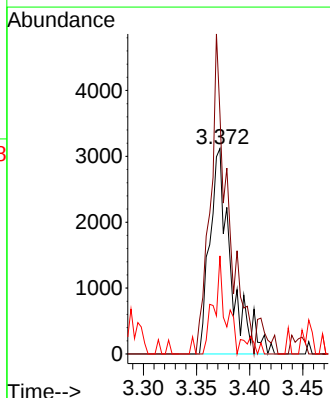
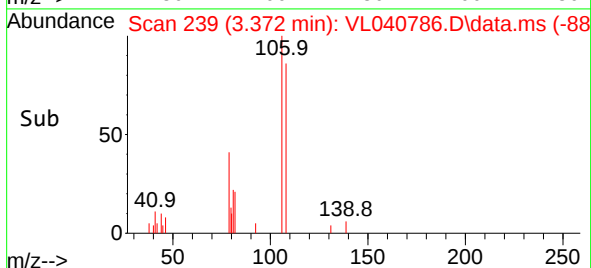
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

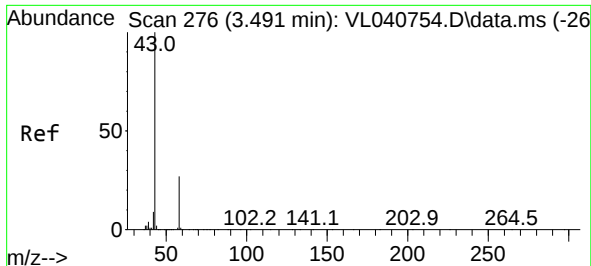


#14
Bromoethene
Concen: 0.119 ppbv m
RT: 3.372 min Scan# 239
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



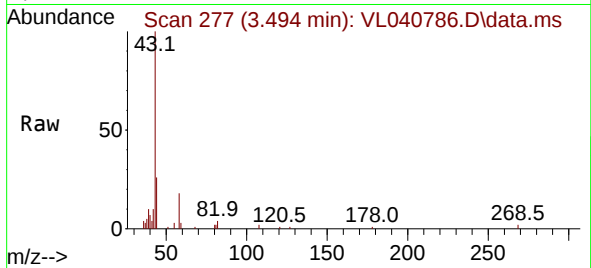
Tgt Ion:108 Resp: 4274
Ion Ratio Lower Upper
108 100
106 138.4 85.2 127.8#
79 33.4 15.7 23.5#





#15
Acetone
Concen: 0.259 ppbv m
RT: 3.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

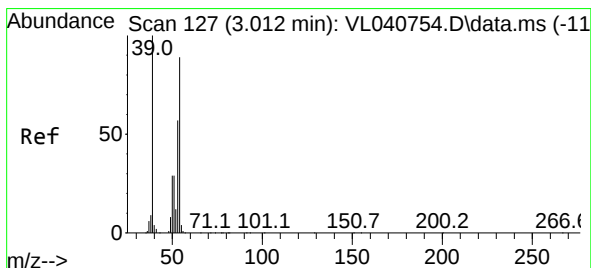
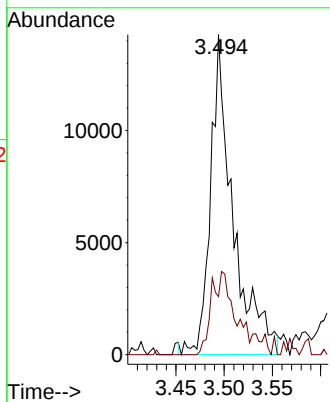
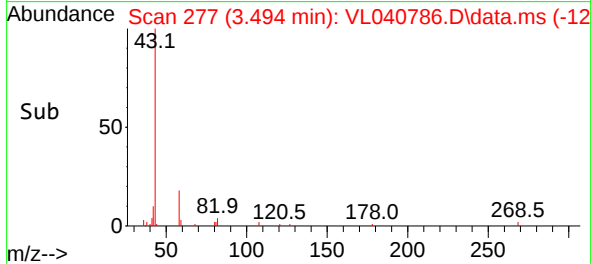
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



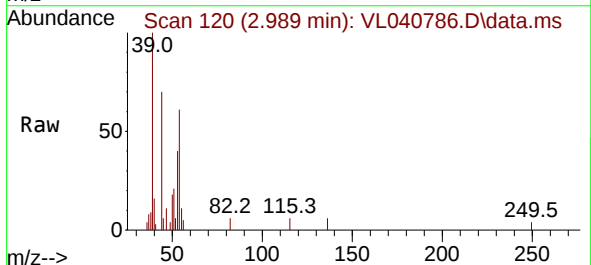
Tgt Ion: 43 Resp: 2308
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4

Manual Integrations
APPROVED

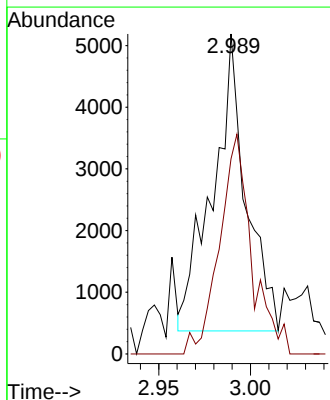
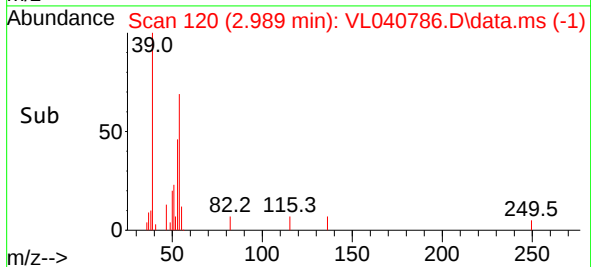
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

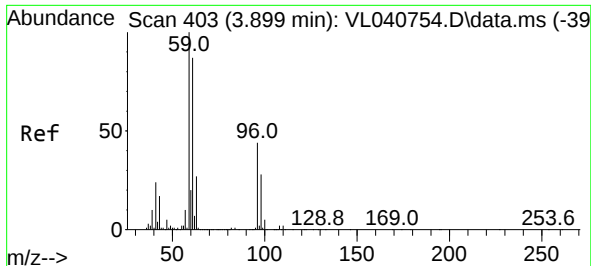


#16
1,3-Butadiene
Concen: 0.130 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



Tgt Ion: 39 Resp: 6098
Ion Ratio Lower Upper
39 100
54 71.2 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.138 ppbv m

RT: 3.906 min Scan# 403

Delta R.T. 0.007 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 1257

Ion Ratio Lower Upper

59 100

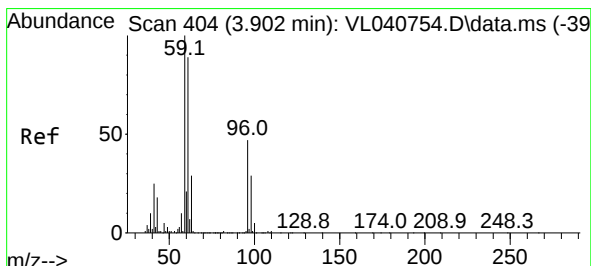
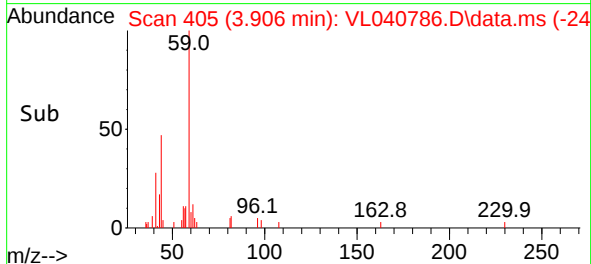
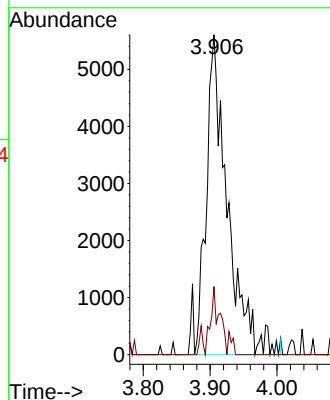
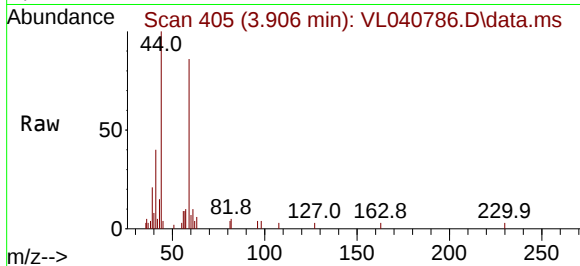
57 0.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#18

1,1-Dichloroethene

Concen: 0.126 ppbv m

RT: 3.877 min Scan# 396

Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

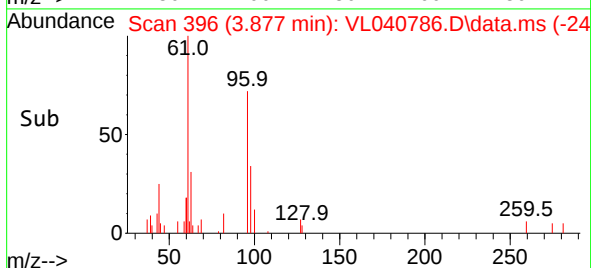
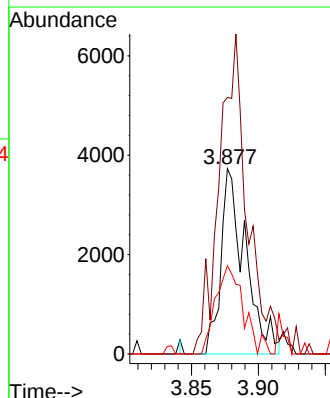
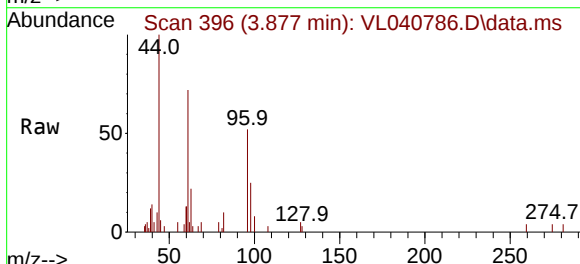
Tgt Ion: 96 Resp: 4735

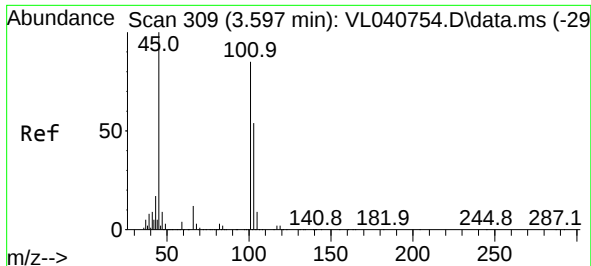
Ion Ratio Lower Upper

96 100

61 138.4 152.5 228.7#

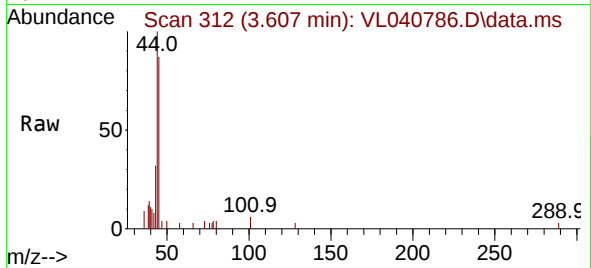
98 47.6 49.6 74.4#





#19
Isopropyl Alcohol
Concen: 0.162 ppbv m
RT: 3.607 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

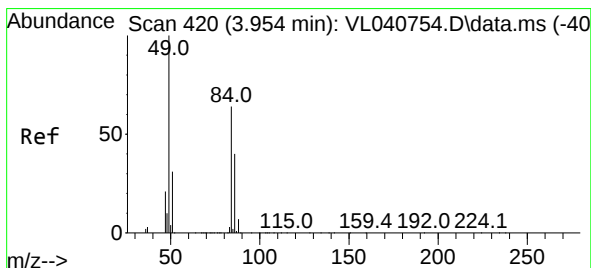
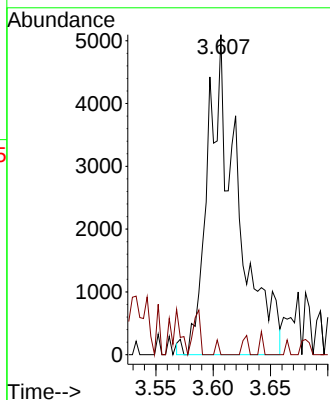
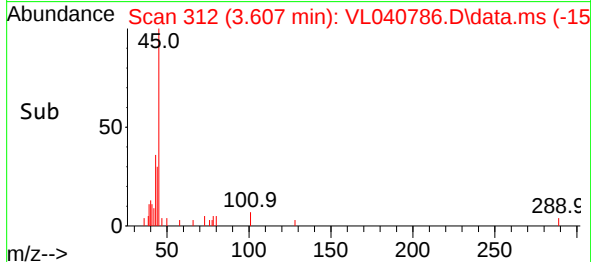
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 45 Resp: 9290
Ion Ratio Lower Upper
45 100
58 7.9 30.3 45.5

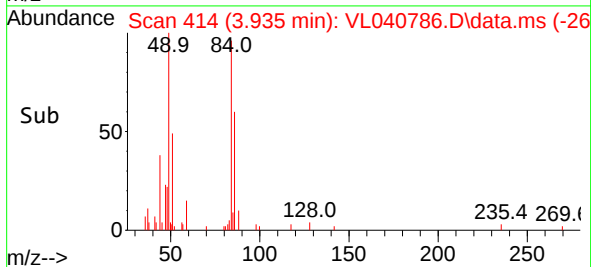
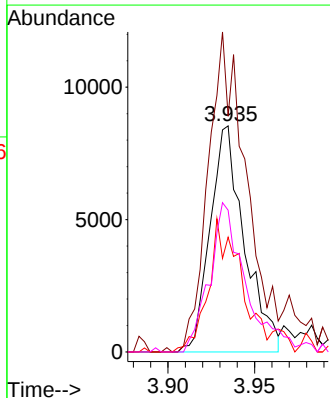
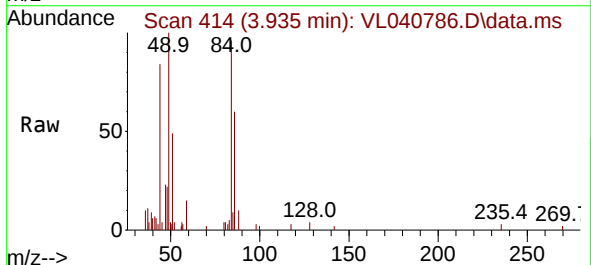
Manual Integrations
APPROVED

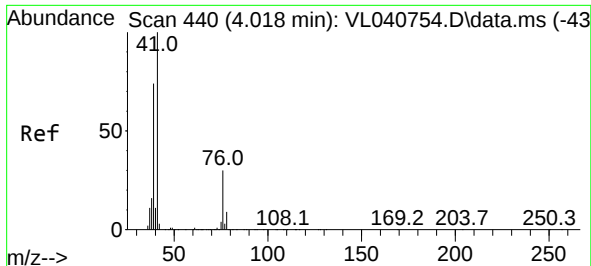
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 84 Resp: 11780
Ion Ratio Lower Upper
84 100
49 104.2 125.6 188.4#
51 48.9 38.9 58.3
86 62.7 50.6 76.0





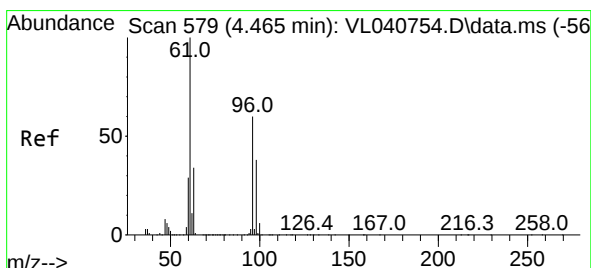
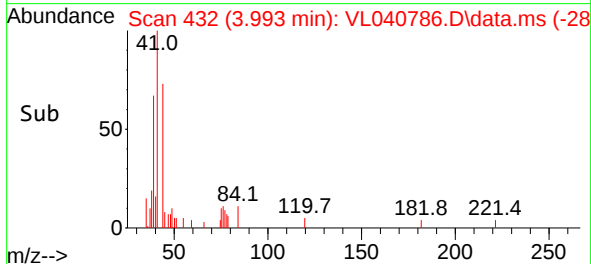
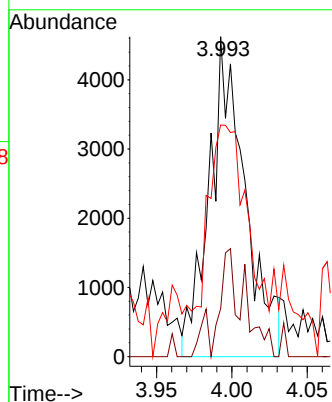
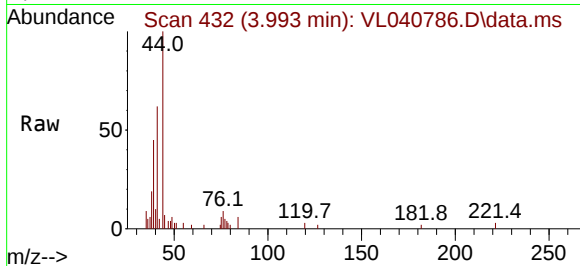
#21
 Allyl Chloride
 Concen: 0.130 ppbv m
 RT: 3.993 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

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

Tgt Ion: 41 Resp: 7642
 Ion Ratio Lower Upper
 41 100
 76 26.1 24.1 36.1
 39 62.7 63.8 95.6

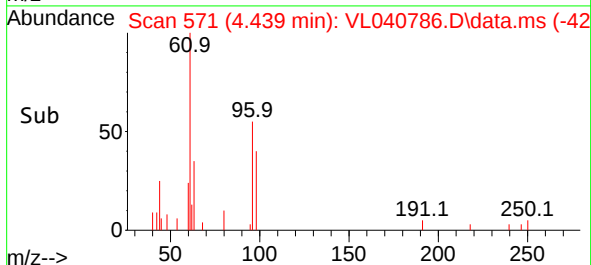
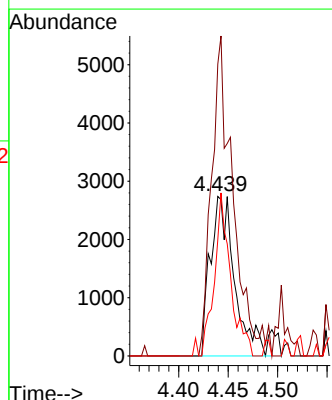
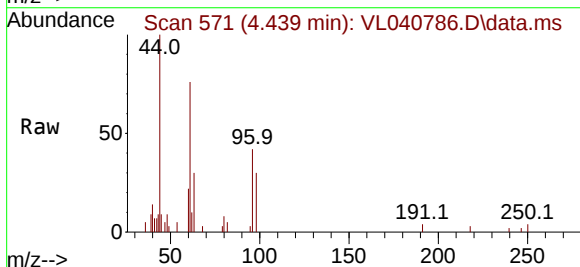
Manual Integrations
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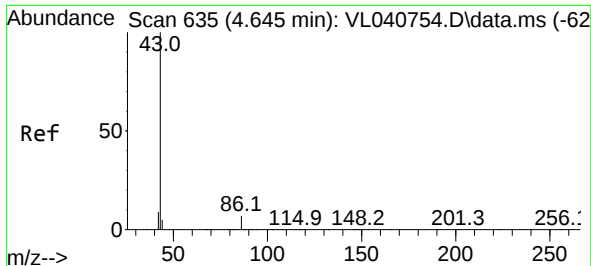
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.124 ppbv m
 RT: 4.439 min Scan# 571
 Delta R.T. -0.026 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

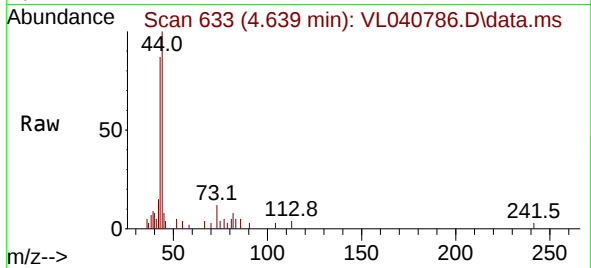
Tgt Ion: 96 Resp: 4957
 Ion Ratio Lower Upper
 96 100
 61 182.9 134.0 201.0
 98 72.9 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.118 ppbv m
 RT: 4.639 min Scan# 613
 Delta R.T. -0.006 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

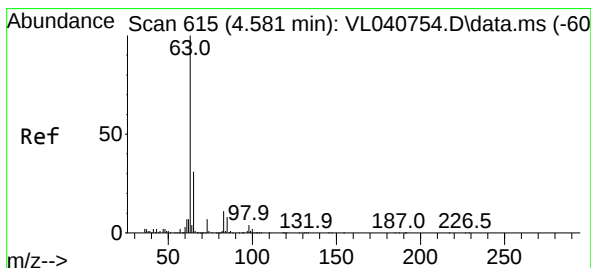
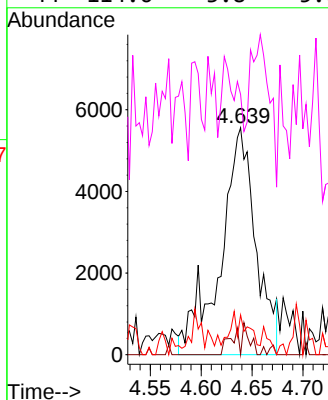
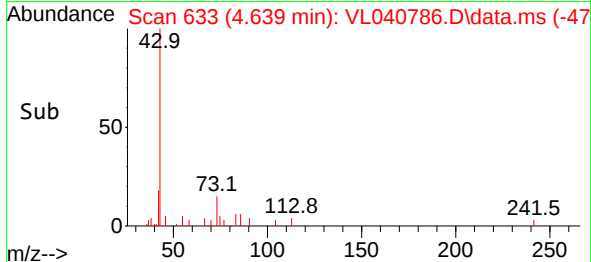
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 13434
 Ion Ratio Lower Upper
 43 100
 86 0.0 4.9 7.3#
 42 17.5 7.8 11.6#
 44 114.6 3.8 5.6#

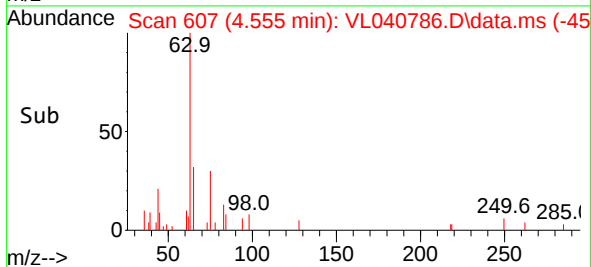
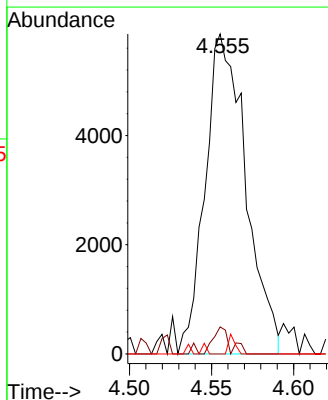
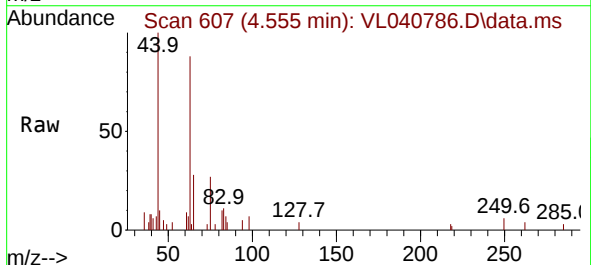
Manual Integrations
 APPROVED

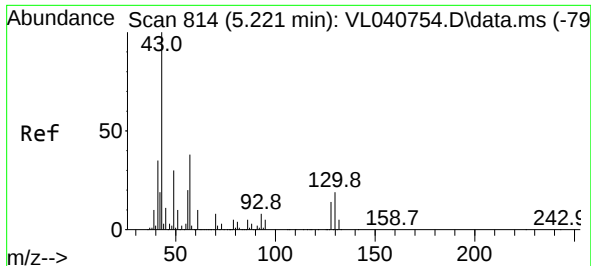
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#24
 1,1-Dichloroethane
 Concen: 0.118 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.026 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

Tgt Ion: 63 Resp: 10088
 Ion Ratio Lower Upper
 63 100
 98 8.2 2.0 5.8#
 100 0.0 1.3 3.8#





#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

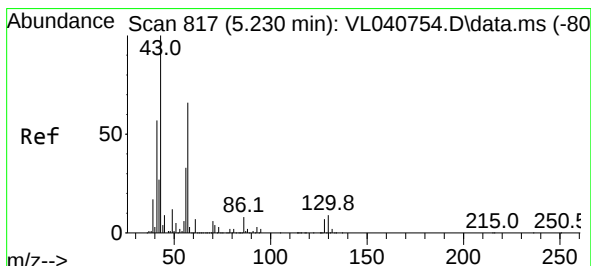
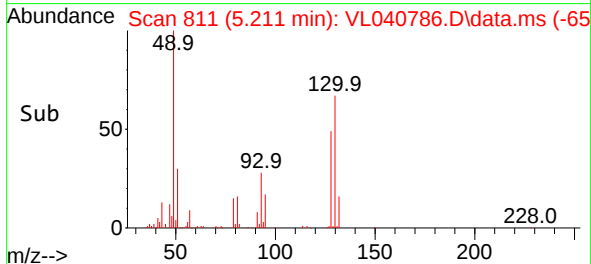
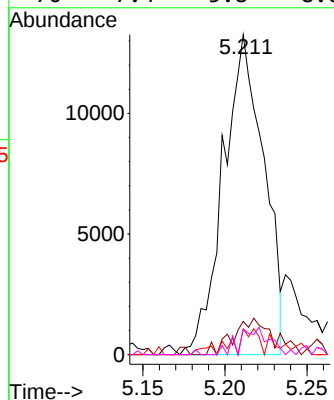
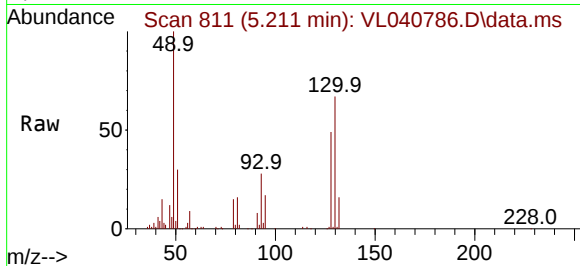
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 2282

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.2	12.4
61	8.0	8.2	12.2
70	7.4	5.8	8.6

Manual Integrations
APPROVED

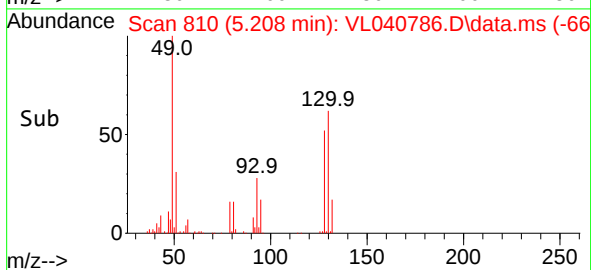
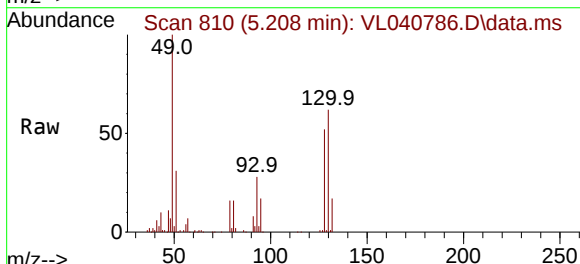
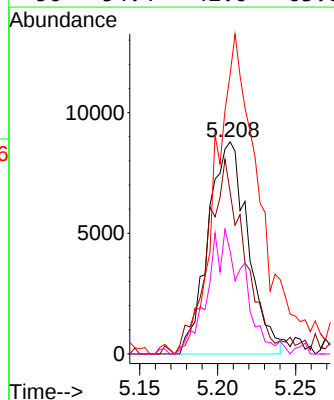
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

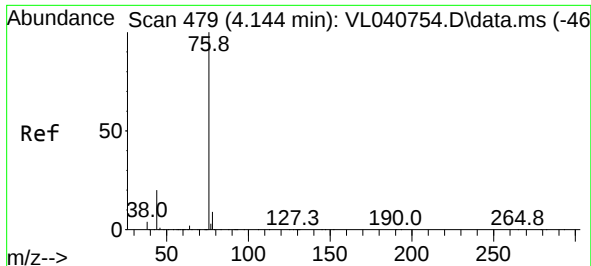


#26
Hexane
Concen: 0.175 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 57 Resp: 15601

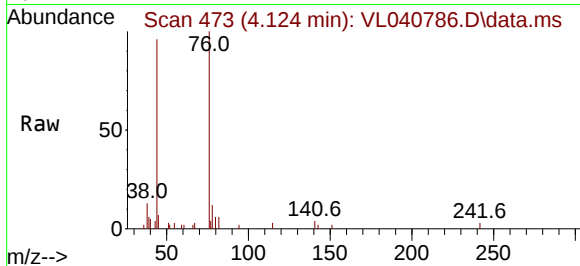
Ion	Ratio	Lower	Upper
57	100		
41	90.9	71.4	107.2
43	184.8	182.3	273.5
56	54.4	42.0	63.0





#27
Carbon Disulfide
Concen: 0.116 ppbv m
RT: 4.124 min Scan# 479
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

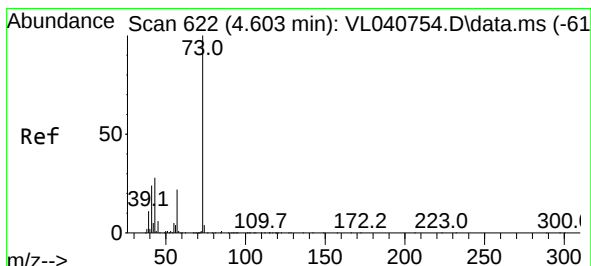
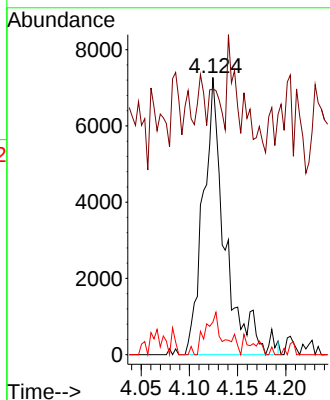
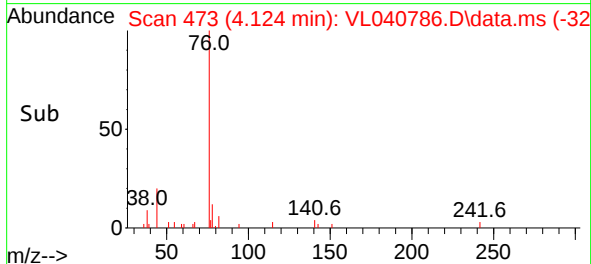
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 11449
Ion Ratio Lower Upper
76 100
44 35.7 16.6 25.0
78 16.5 7.8 11.6

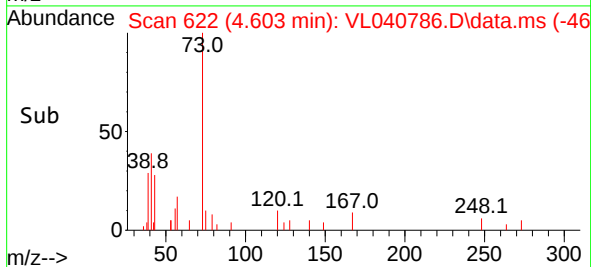
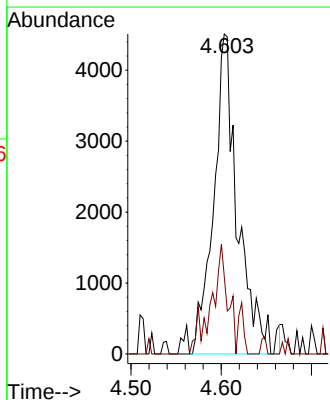
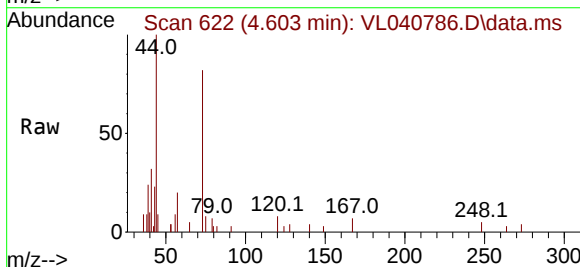
Manual Integrations
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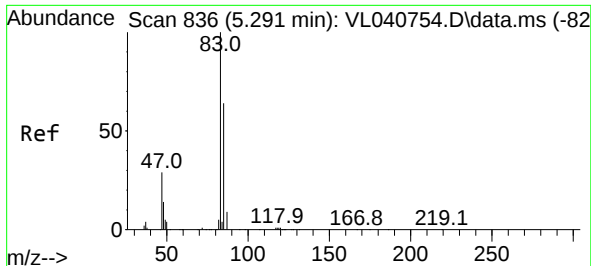
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#28
Methyl tert-Butyl Ether
Concen: 0.123 ppbv m
RT: 4.603 min Scan# 622
Delta R.T. 0.000 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 73 Resp: 8562
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3





#29

Chloroform

Concen: 0.127 ppbv m

RT: 5.269 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 1633

Ion Ratio Lower Upper

83 100

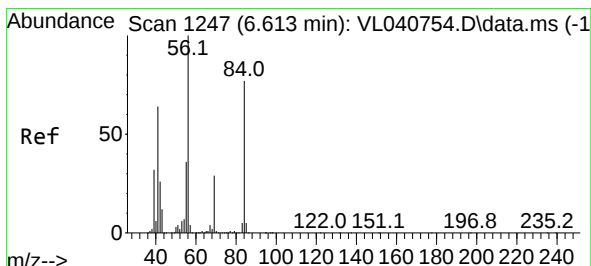
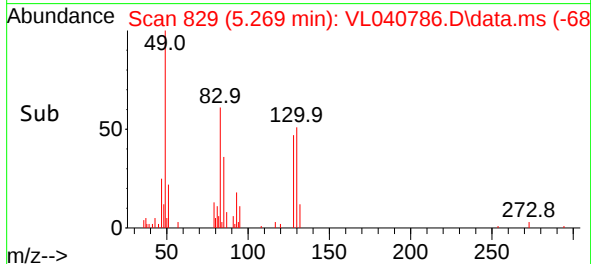
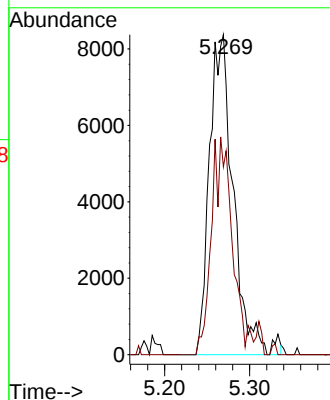
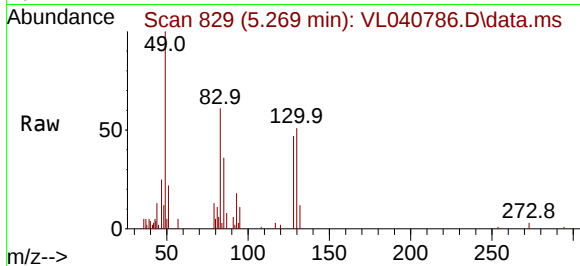
85 58.7 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#30

Cyclohexane

Concen: 0.103 ppbv m

RT: 6.590 min Scan# 1240

Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

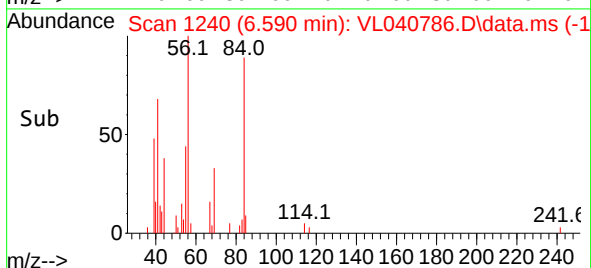
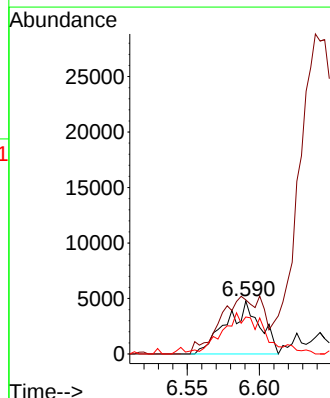
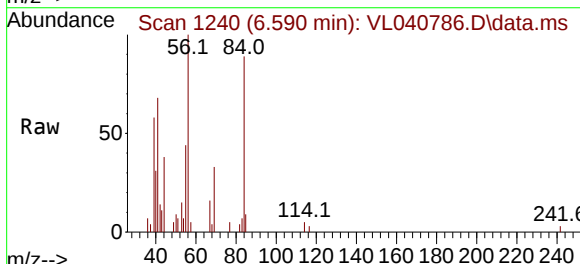
Tgt Ion: 84 Resp: 7822

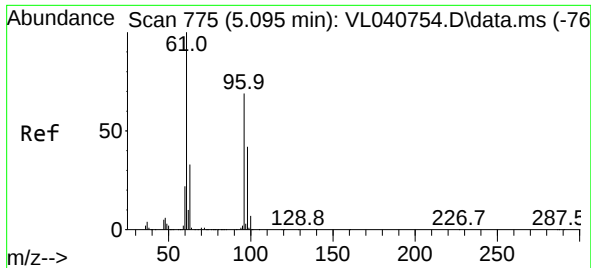
Ion Ratio Lower Upper

84 100

56 0.0 110.3 165.5#

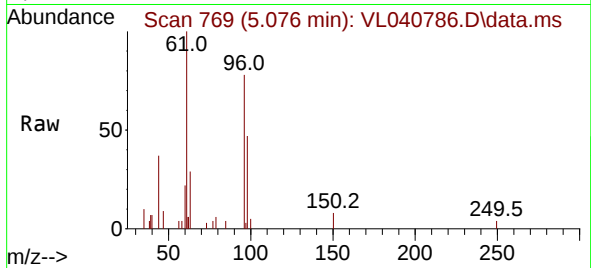
41 0.0 67.4 101.2#





#31
 cis-1,2-Dichloroethene
 Concen: 0.104 ppbv
 RT: 5.076 min Scan# 710
 Delta R.T. -0.019 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

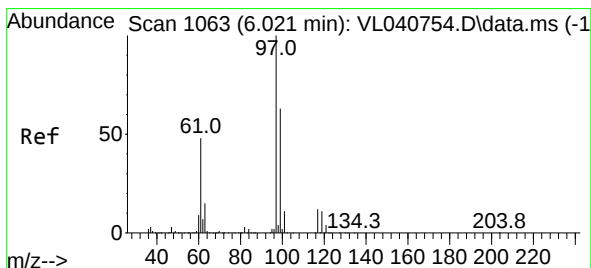
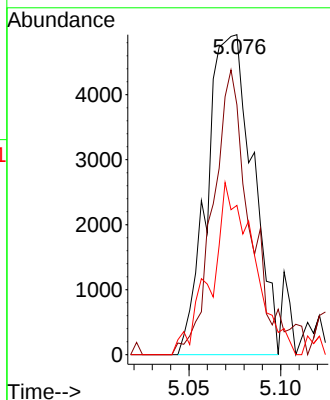
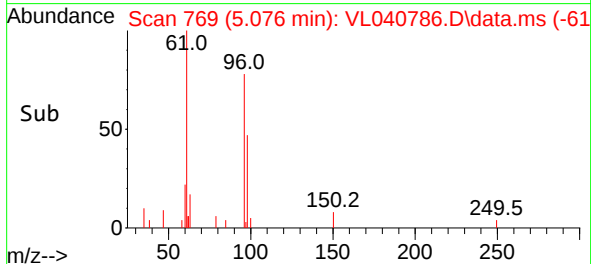
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 852
 Ion Ratio Lower Upper
 61 100
 96 70.1 55.1 82.7
 98 39.6 33.5 50.3

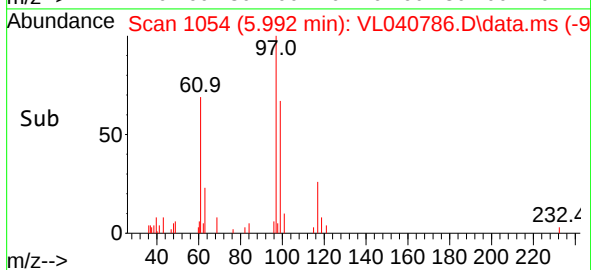
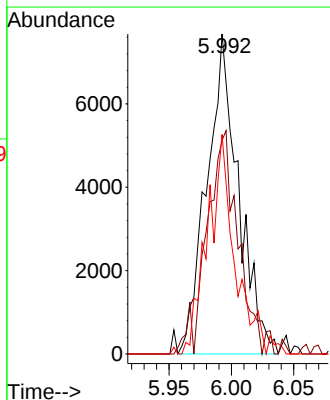
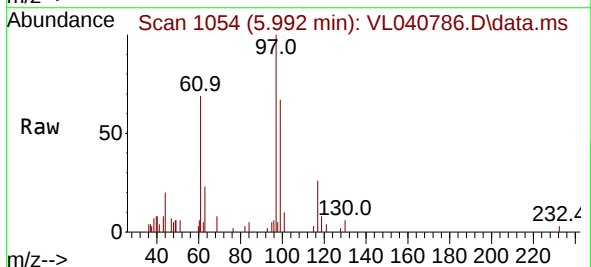
Manual Integrations
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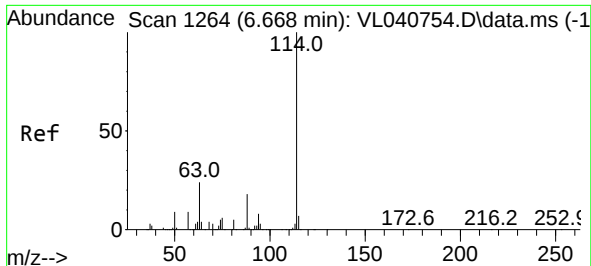
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.099 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.029 min
 Lab File: VL040786.D
 Acq: 23 Oct 2023 19:53

Tgt Ion: 97 Resp: 13586
 Ion Ratio Lower Upper
 97 100
 99 69.3 51.8 77.6
 61 60.0 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. -0.029 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 246196

Ion Ratio Lower Upper

114 100

63 23.7 19.8 29.6

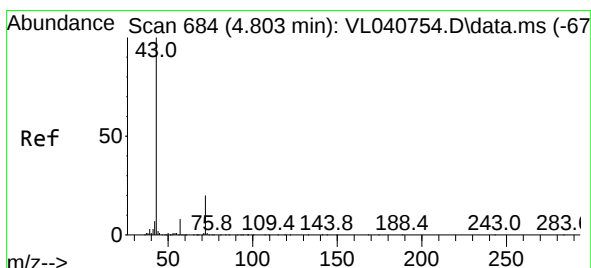
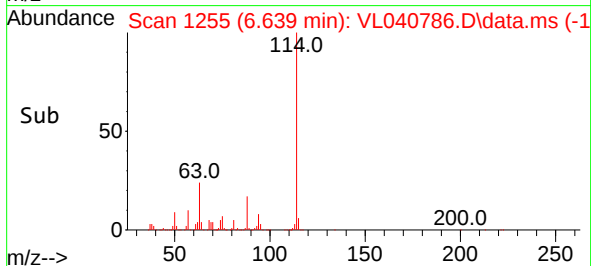
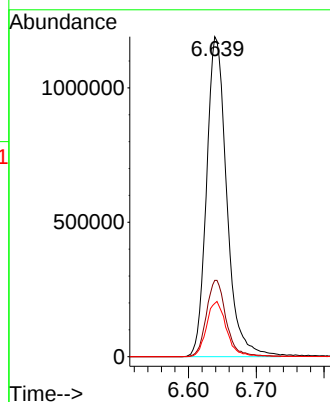
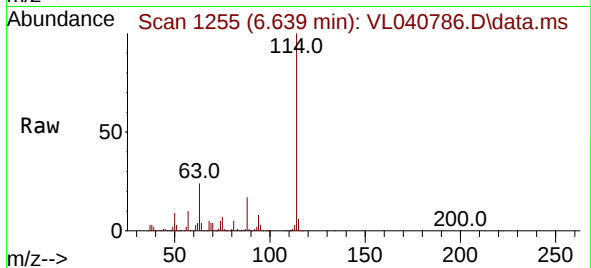
88 17.2 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#34

2-Butanone

Concen: 0.143 ppbv m

RT: 4.806 min Scan# 685

Delta R.T. 0.003 min

Lab File: VL040786.D

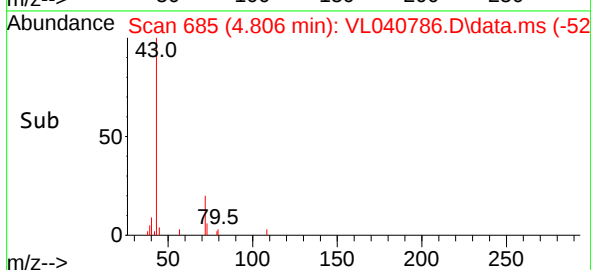
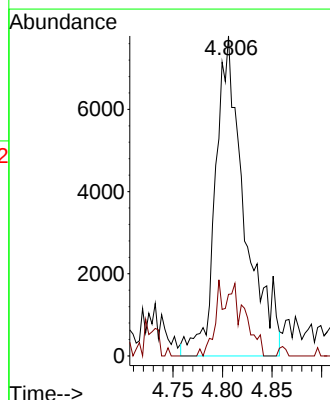
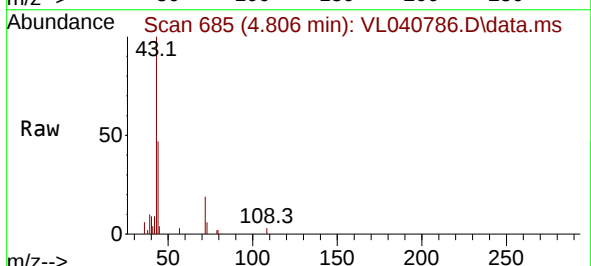
Acq: 23 Oct 2023 19:53

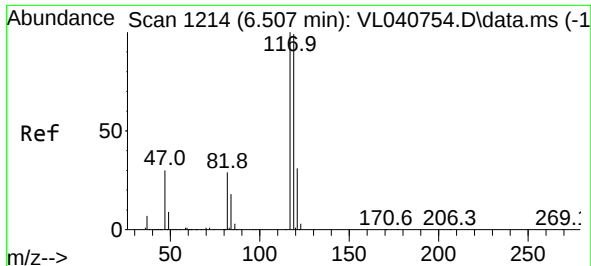
Tgt Ion: 43 Resp: 15900

Ion Ratio Lower Upper

43 100

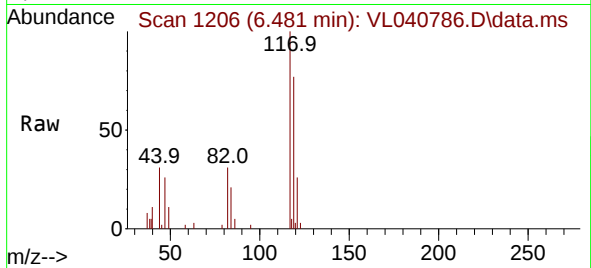
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.105 ppbv m
RT: 6.481 min Scan# 117
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

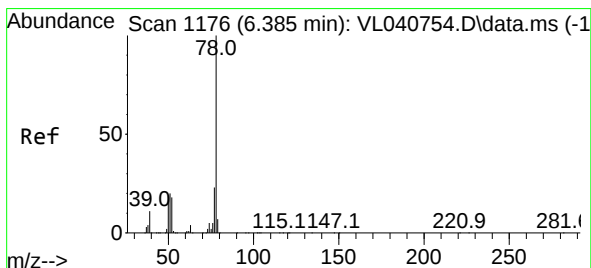
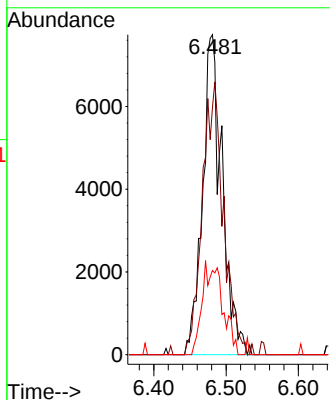
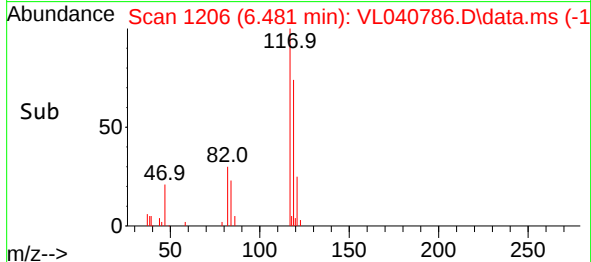
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 117 Resp: 1455
Ion Ratio Lower Upper
117 100
119 77.2 79.4 119.0
121 26.3 25.0 37.4

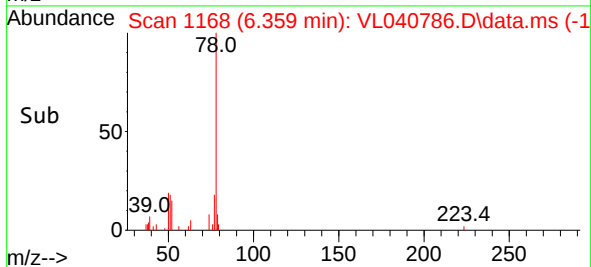
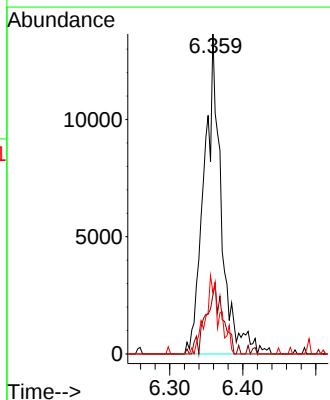
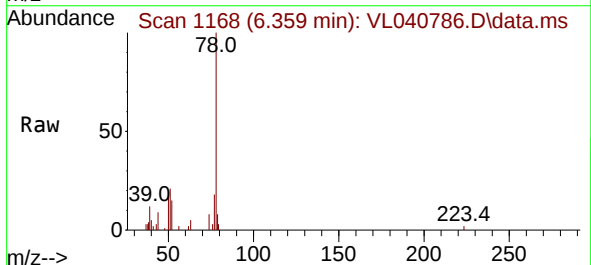
Manual Integrations
APPROVED

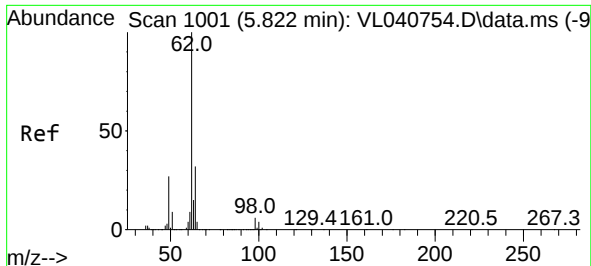
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#36
Benzene
Concen: 0.118 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 78 Resp: 22395
Ion Ratio Lower Upper
78 100
77 18.4 18.4 27.6
50 19.2 15.0 22.4





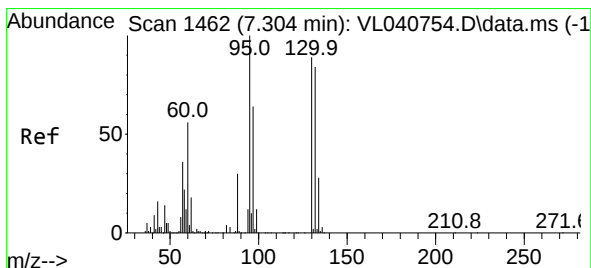
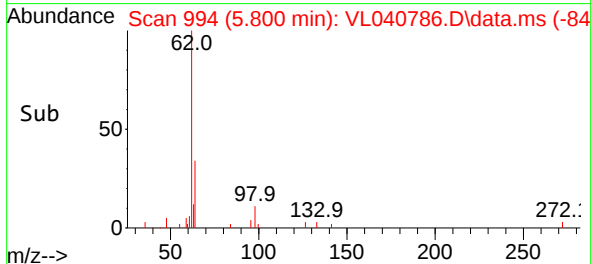
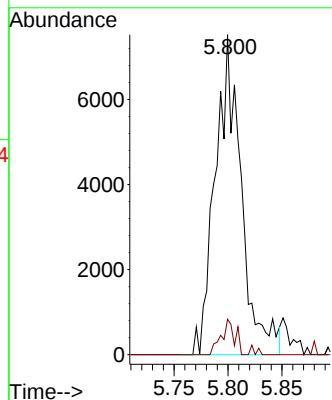
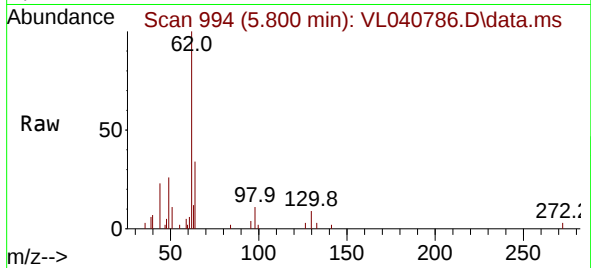
#37
1,2-Dichloroethane
Concen: 0.129 ppbv m
RT: 5.800 min Scan# 994
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 62 Resp: 12520
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.0

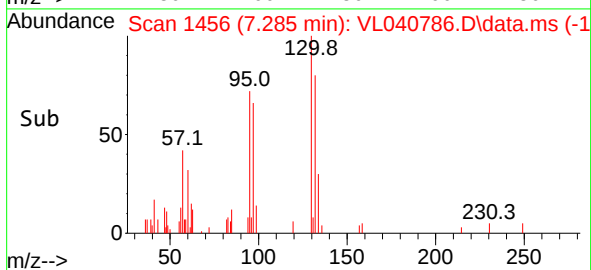
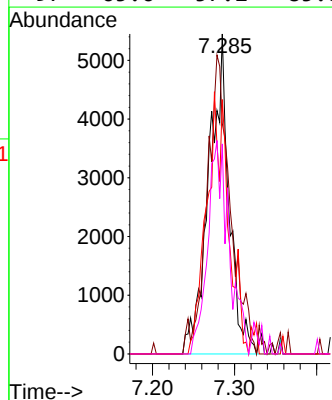
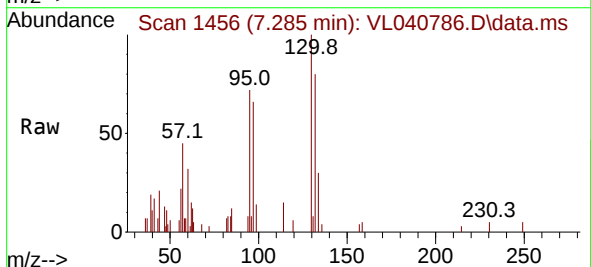
Manual Integrations
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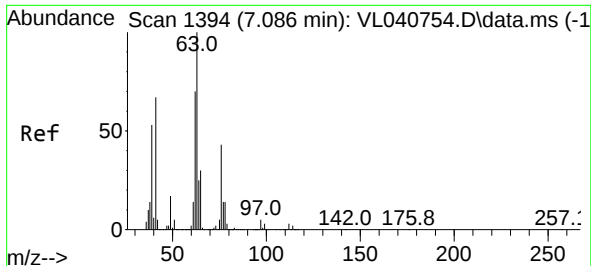
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#38
Trichloroethene
Concen: 0.114 ppbv m
RT: 7.285 min Scan# 1456
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:130 Resp: 9553
Ion Ratio Lower Upper
130 100
95 72.1 89.4 134.2#
132 79.5 74.8 112.2
97 65.6 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.125 ppbv m

RT: 7.053 min Scan# 11

Delta R.T. -0.032 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

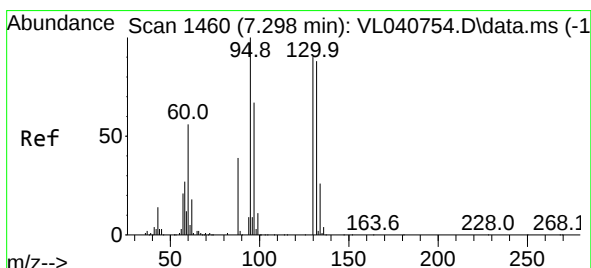
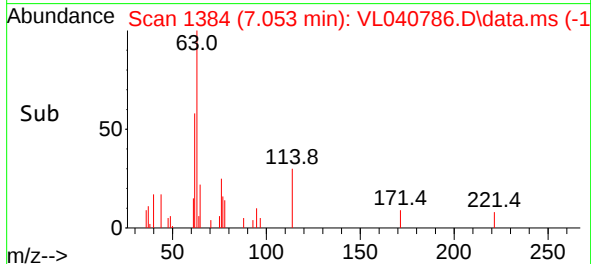
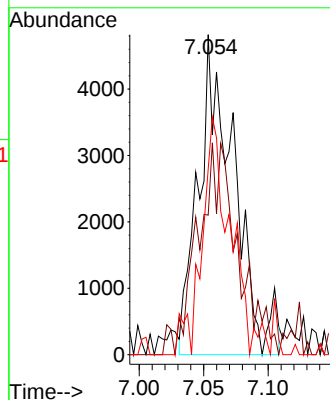
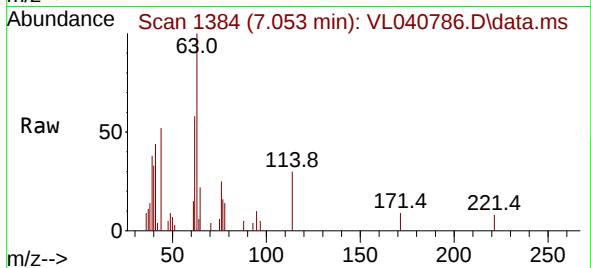
MDL-AIR-03-QT4-2023DL

Tgt Ion:	63	Resp:	926
Ion	Ratio	Lower	Upper
63	100		
41	43.6	53.7	80.5
62	58.0	55.7	83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#40

1,4-Dioxane

Concen: 0.157 ppbv m

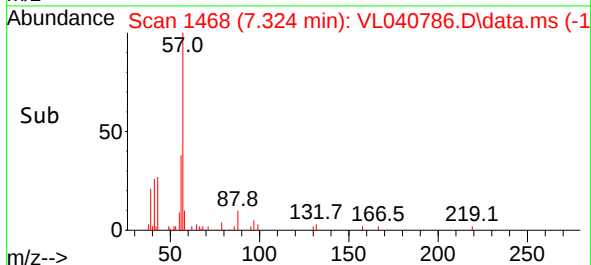
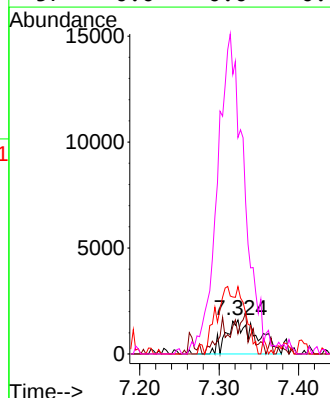
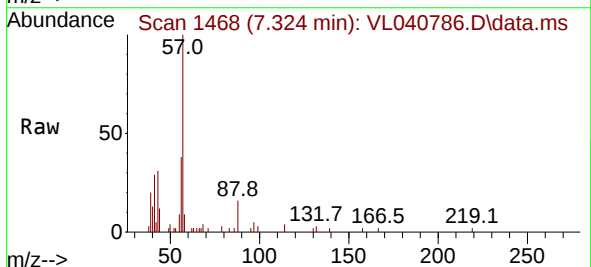
RT: 7.324 min Scan# 1468

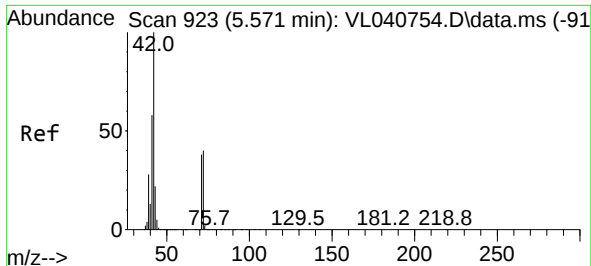
Delta R.T. 0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

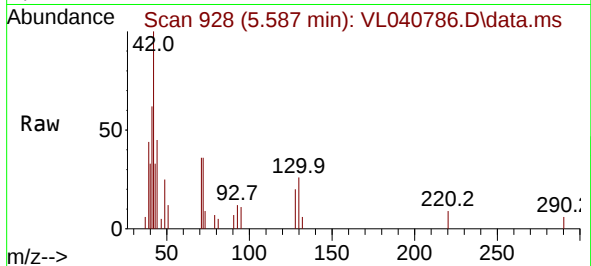
Tgt Ion:	88	Resp:	4400
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.109 ppbv m
RT: 5.587 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

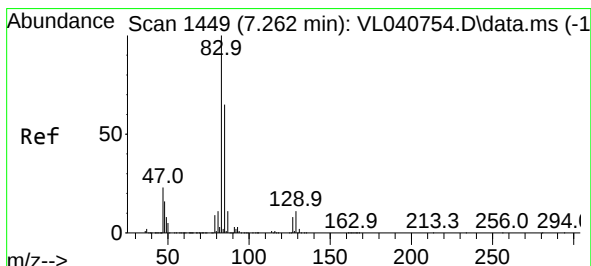
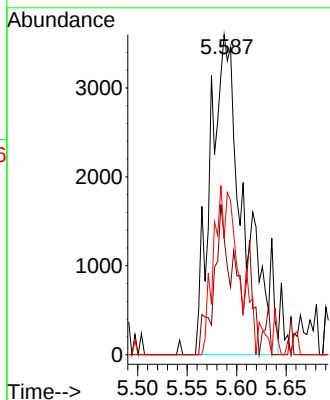
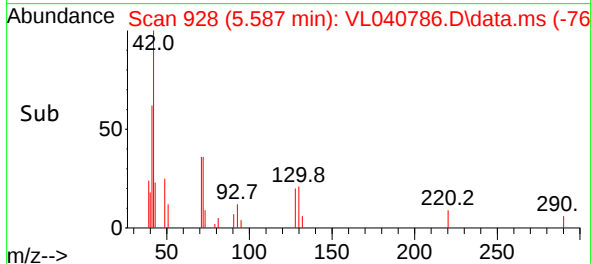
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 42 Resp: 844
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

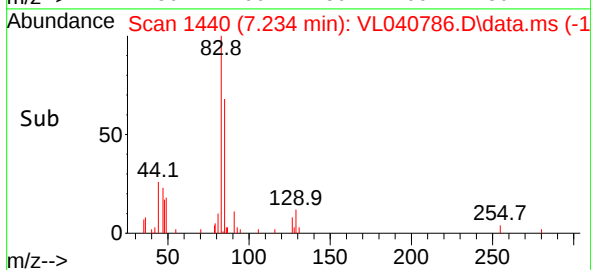
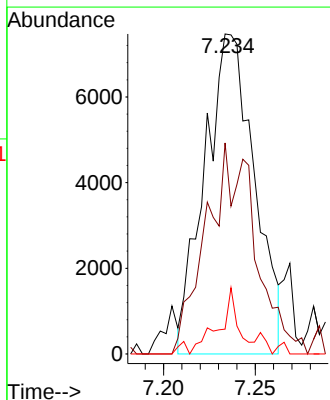
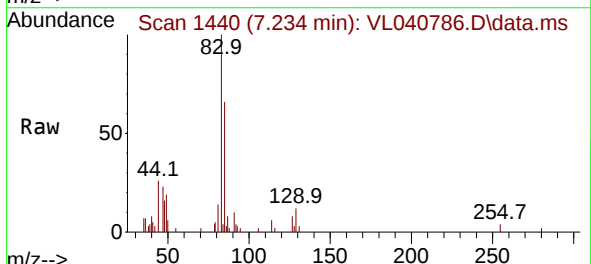
Manual Integrations
APPROVED

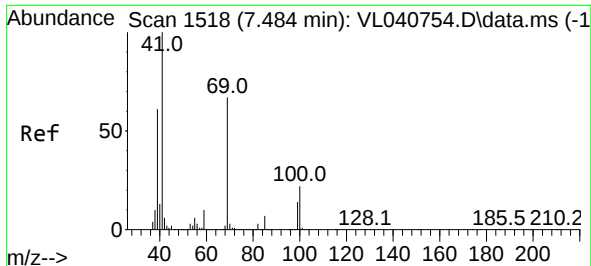
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#42
Bromodichloromethane
Concen: 0.097 ppbv
RT: 7.234 min Scan# 1440
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

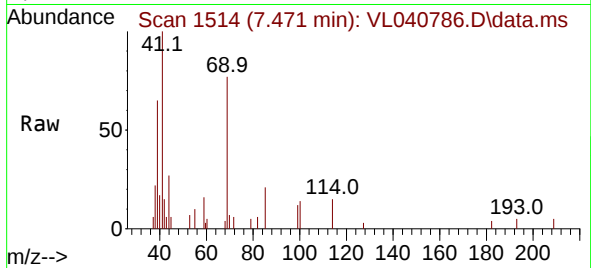
Tgt Ion: 83 Resp: 14116
Ion Ratio Lower Upper
83 100
85 66.4 52.1 78.1
127 6.0 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.107 ppbv m
RT: 7.471 min Scan# 1465
Delta R.T. -0.013 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

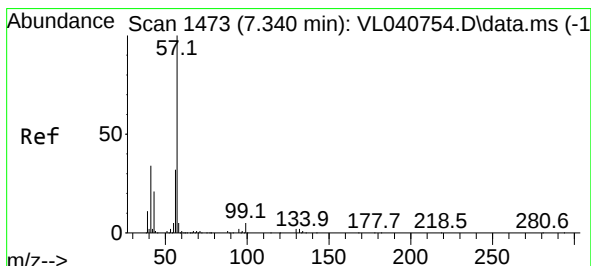
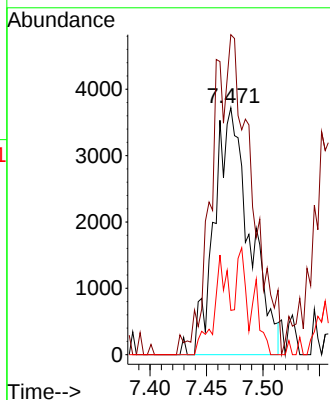
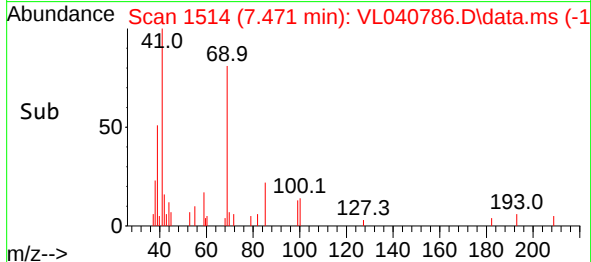
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 69 Resp: 8134
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0
100 0.0 27.1 40.7

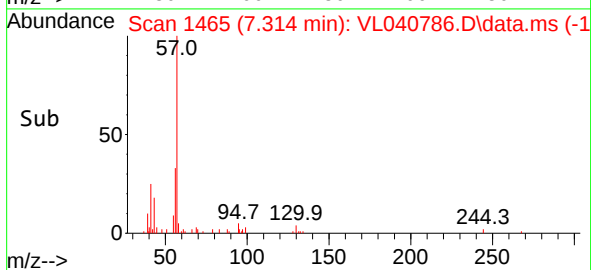
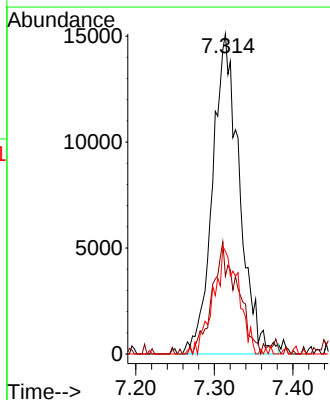
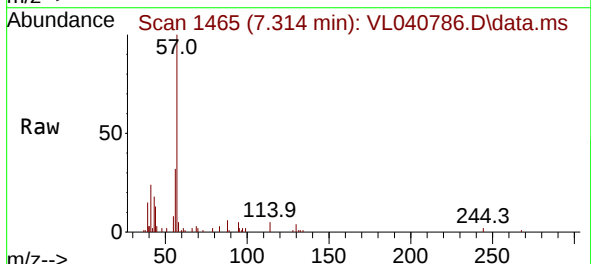
Manual Integrations
APPROVED

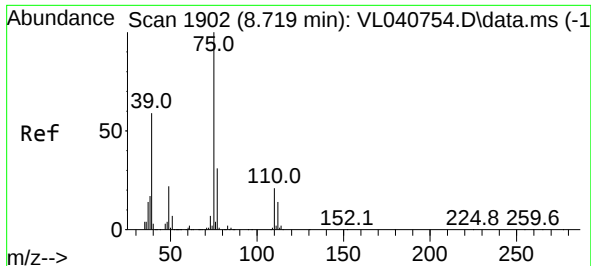
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#44
2,2,4-Trimethylpentane
Concen: 0.112 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 57 Resp: 35965
Ion Ratio Lower Upper
57 100
41 32.8 27.4 41.0
56 31.7 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 0.071 ppbv m

RT: 8.693 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 75 Resp: 4269

Ion Ratio Lower Upper

75 100

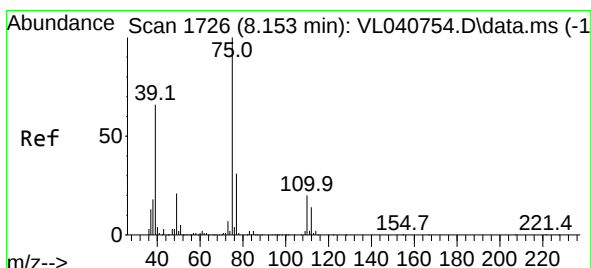
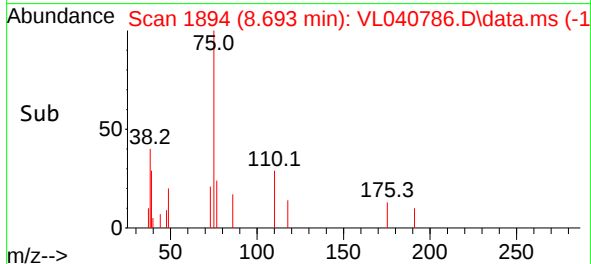
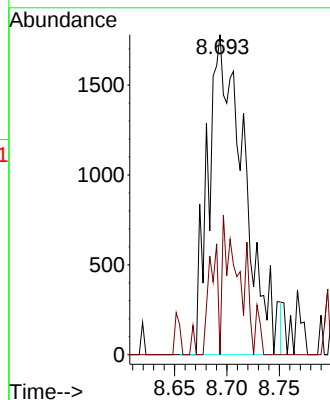
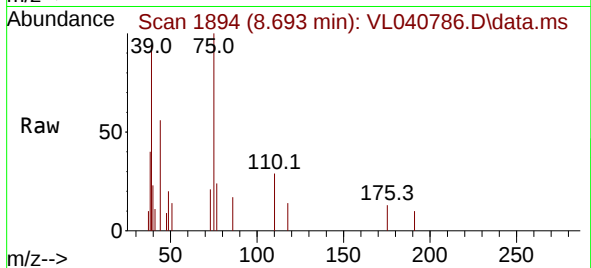
77 0.0 24.9 37.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#46

cis-1,3-Dichloropropene

Concen: 0.083 ppbv m

RT: 8.140 min Scan# 1722

Delta R.T. -0.013 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

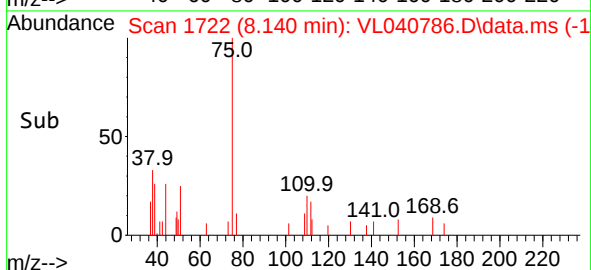
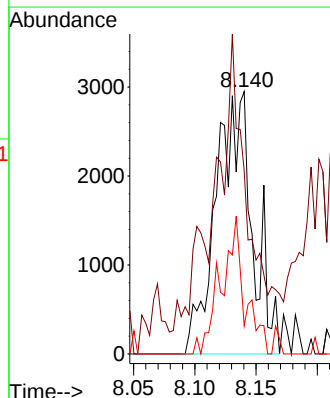
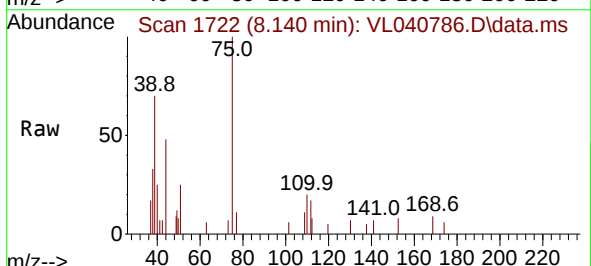
Tgt Ion: 75 Resp: 6099

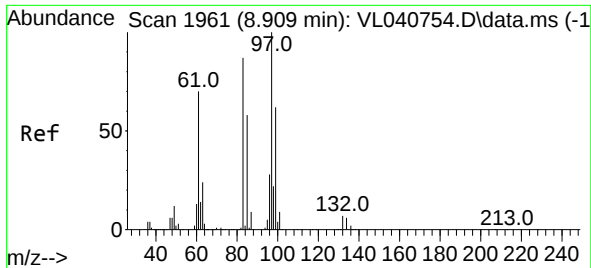
Ion Ratio Lower Upper

75 100

39 69.8 52.4 78.6

77 10.7 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.117 ppbv m

RT: 8.880 min Scan# 1961

Delta R.T. -0.029 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 97 Resp: 908

Ion Ratio Lower Upper

97 100

83 70.9 69.5 104.3

85 40.8 46.6 69.8

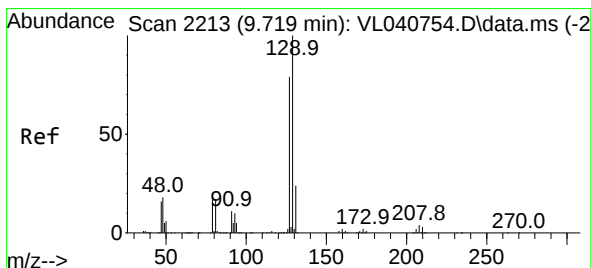
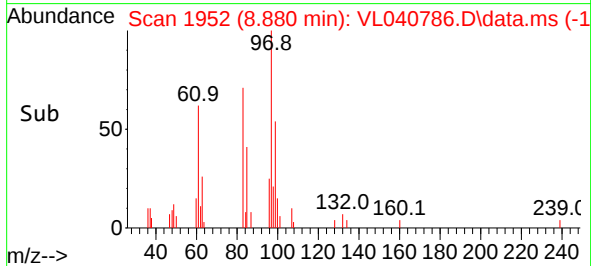
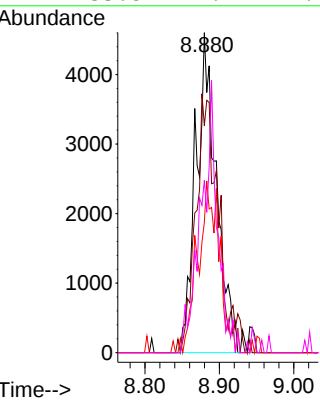
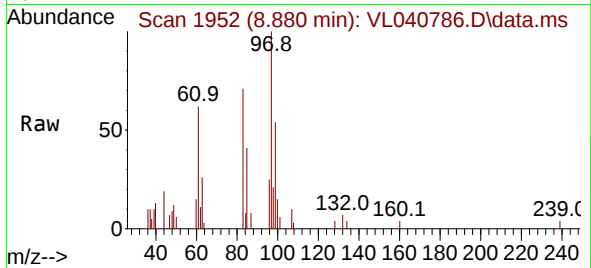
99 53.8 49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#48

Dibromochloromethane

Concen: 0.094 ppbv m

RT: 9.696 min Scan# 2206

Delta R.T. -0.022 min

Lab File: VL040786.D

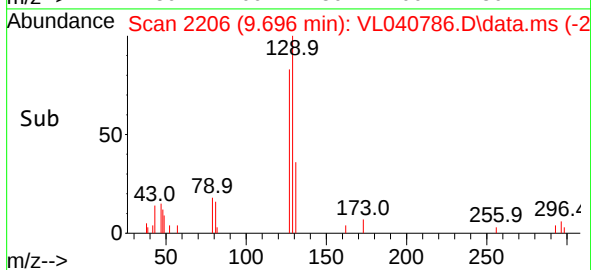
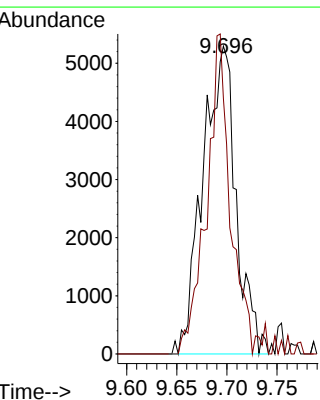
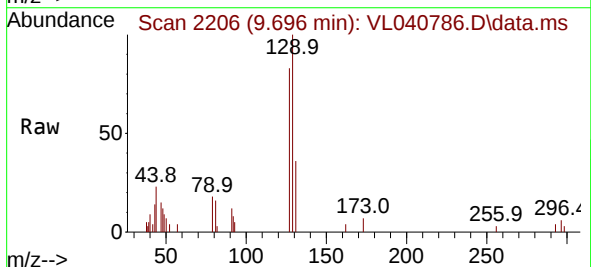
Acq: 23 Oct 2023 19:53

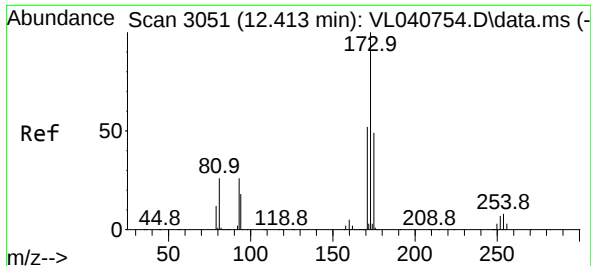
Tgt Ion:129 Resp: 12205

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#49

Bromoform

Concen: 0.079 ppbv m

RT: 12.388 min Scan# 3051

Delta R.T. -0.026 min

Lab File: VL040786.D

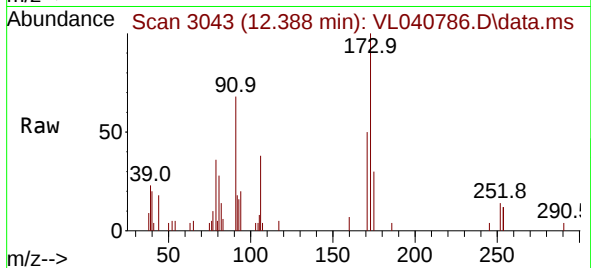
Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

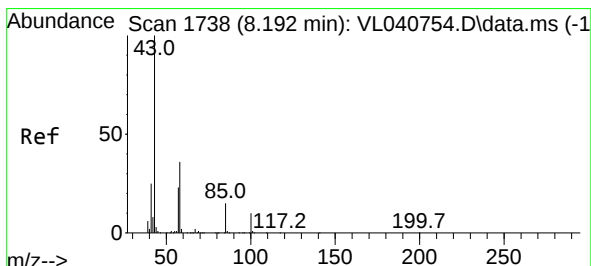
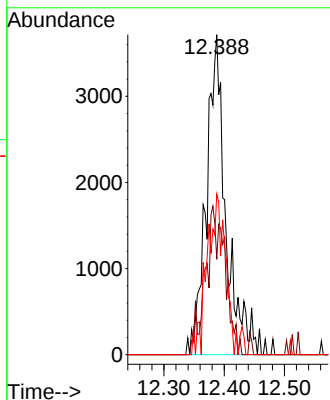
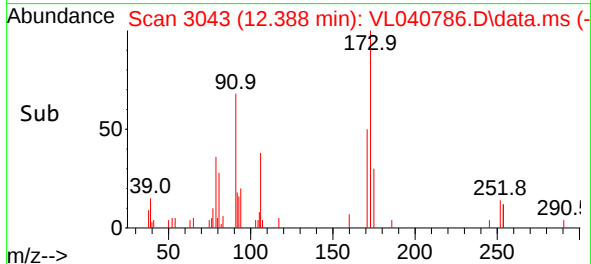
MDL-AIR-03-QT4-2023DL



Tgt Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.2	58.8
171	0.0	42.0	63.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#50

4-Methyl-2-Pentanone

Concen: 0.100 ppbv m

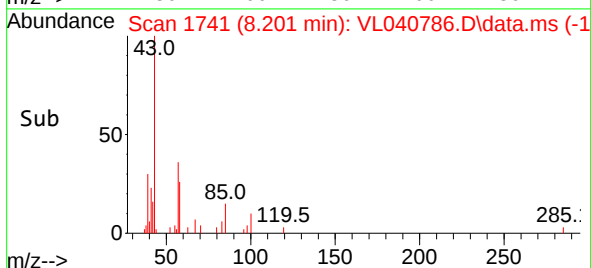
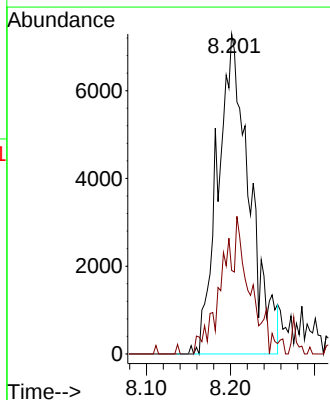
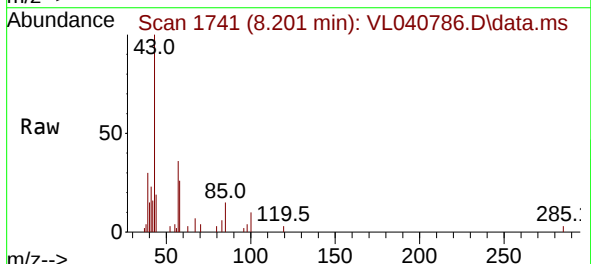
RT: 8.201 min Scan# 1741

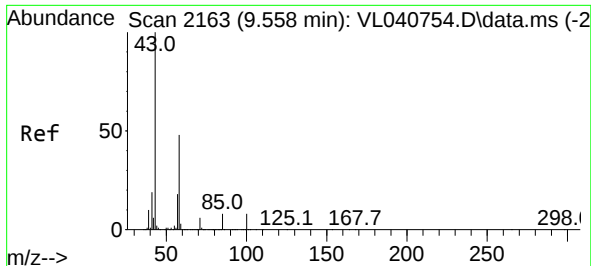
Delta R.T. 0.010 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

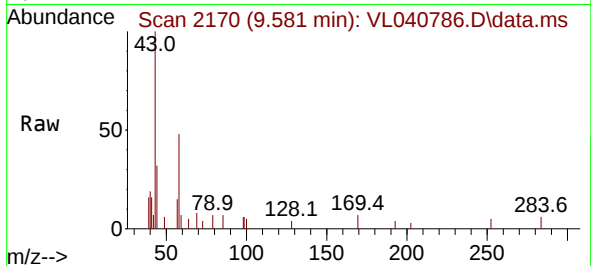
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.8	43.2





#51
2-Hexanone
Concen: 0.081 ppbv m
RT: 9.581 min Scan# 2163
Delta R.T. 0.023 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

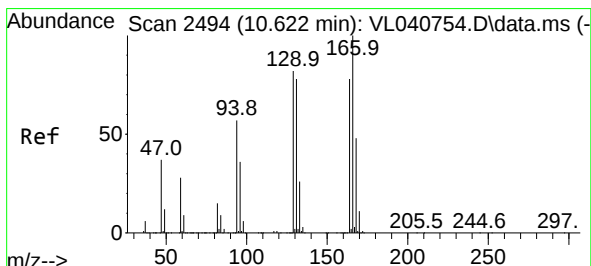
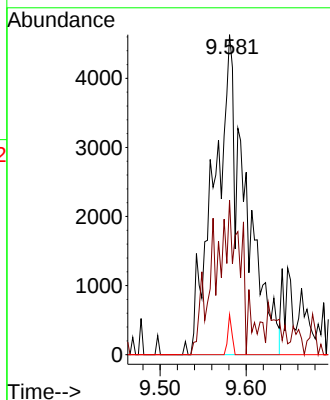
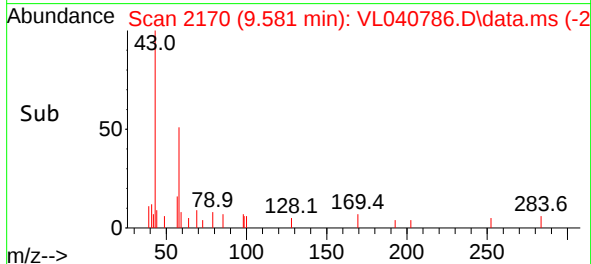
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0#
98 0.0 0.0 0.0

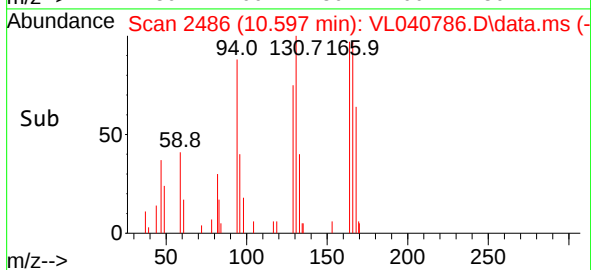
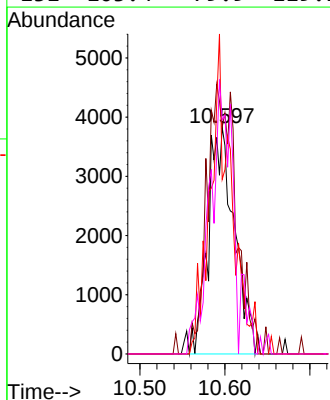
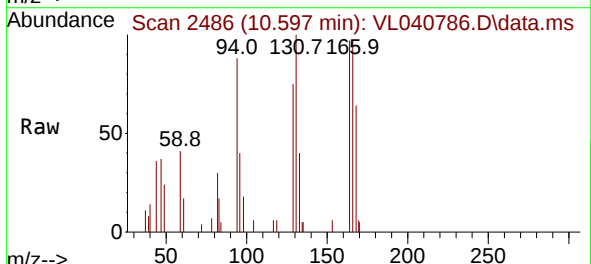
Manual Integrations
APPROVED

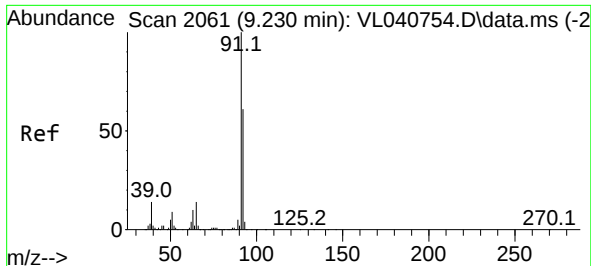
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:164 Resp: 8407
Ion Ratio Lower Upper
164 100
166 100.2 102.4 153.6#
129 77.1 84.2 126.4#
131 103.4 79.9 119.9





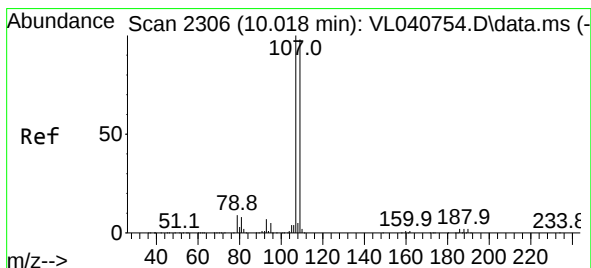
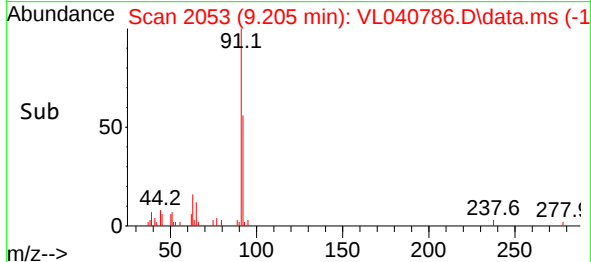
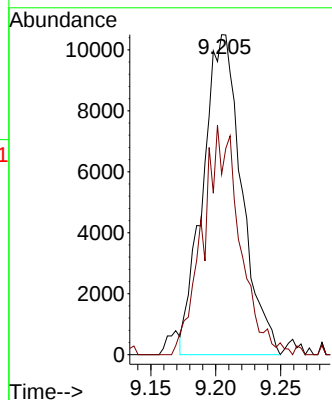
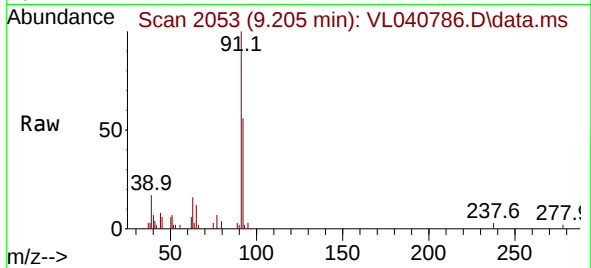
#53
Toluene
Concen: 0.097 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 91 Resp: 21814
Ion Ratio Lower Upper
91 100
92 69.0 50.2 75.2

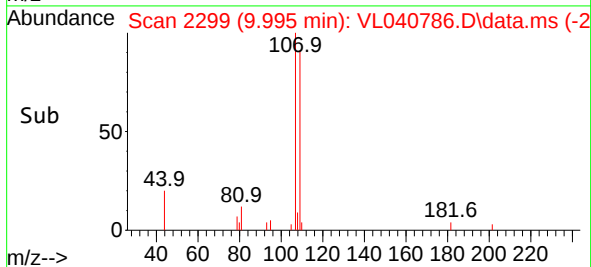
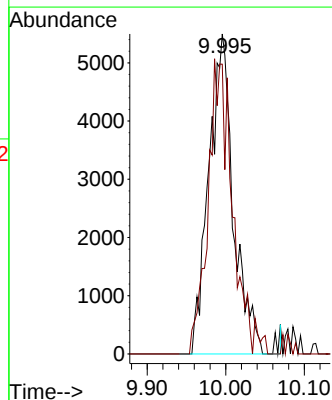
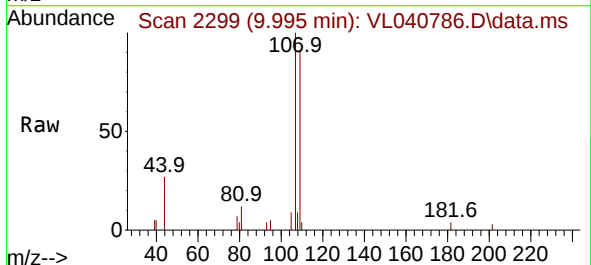
Manual Integrations
APPROVED

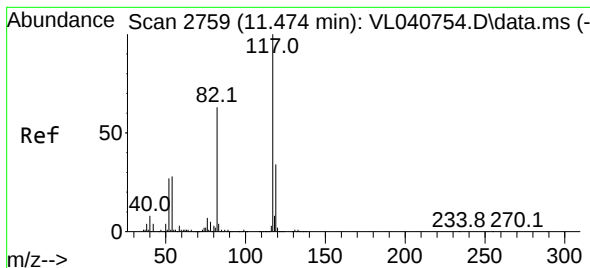
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#54
1,2-Dibromoethane
Concen: 0.111 ppbv m
RT: 9.995 min Scan# 2299
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

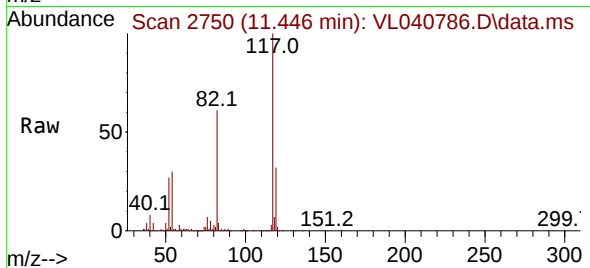
Tgt Ion:107 Resp: 12098
Ion Ratio Lower Upper
107 100
109 90.5 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.446 min Scan# 2750
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

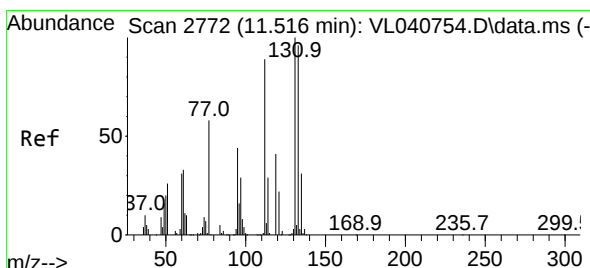
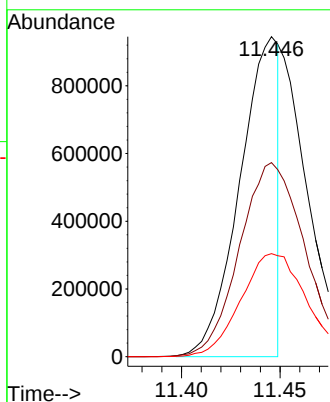
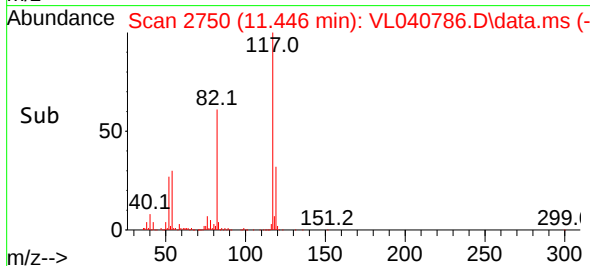
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



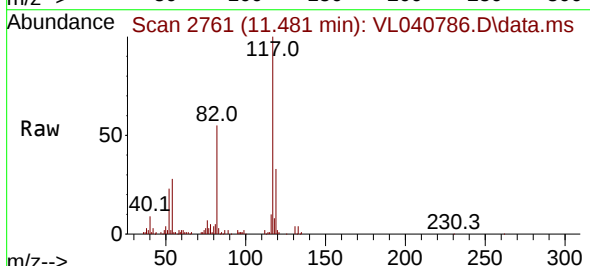
Tgt Ion:117 Resp: 130010
Ion Ratio Lower Upper
117 100
82 106.8 46.6 70.0
119 57.2 26.0 39.0

Manual Integrations
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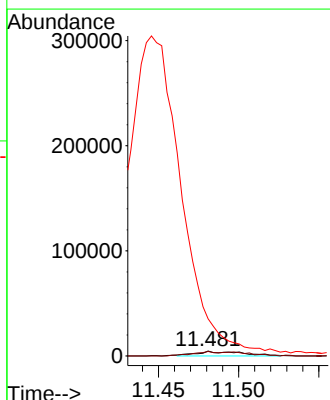
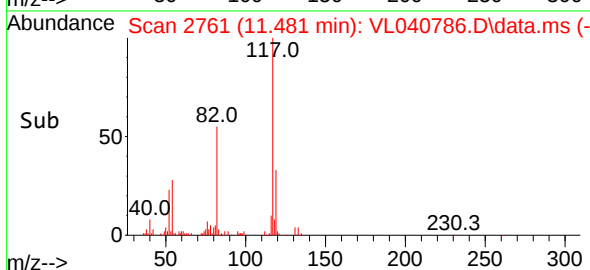
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

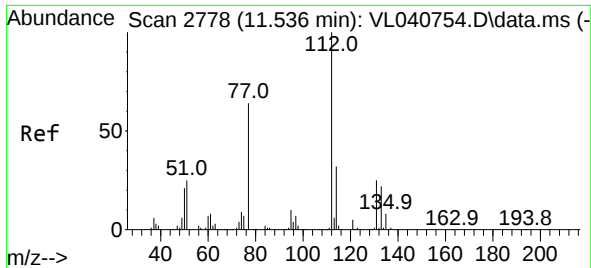


#56
1,1,1,2-Tetrachloroethane
Concen: 0.170 ppbv m
RT: 11.481 min Scan# 2761
Delta R.T. -0.035 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



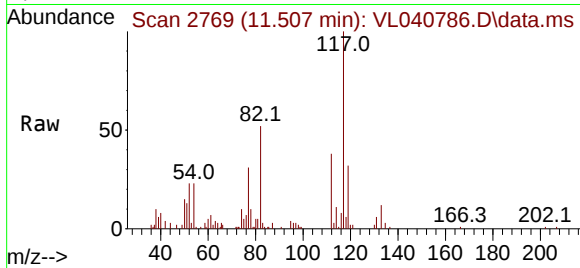
Tgt Ion:131 Resp: 8998
Ion Ratio Lower Upper
131 100
133 103.7 75.0 112.6
119 0.0 45.4 68.0





#57
Chlorobenzene
Concen: 0.216 ppbv m
RT: 11.507 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

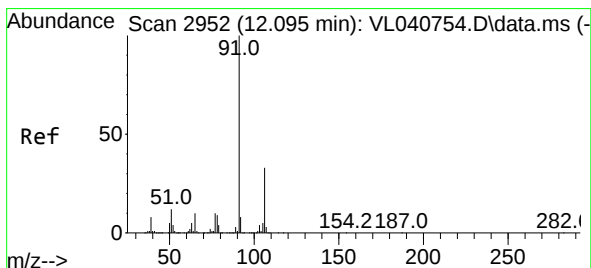
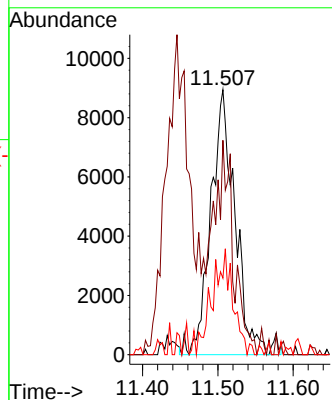
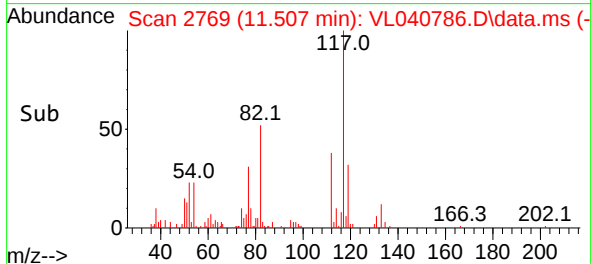
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 112 Resp: 2015
Ion Ratio Lower Upper
112 100
77 80.9 51.9 77.9
114 28.8 28.6 35.0

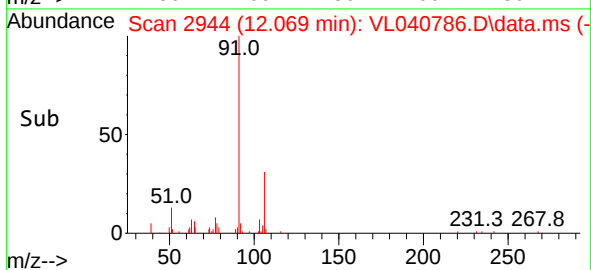
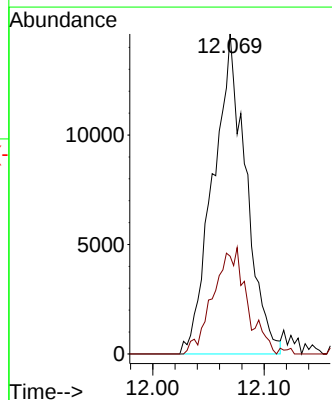
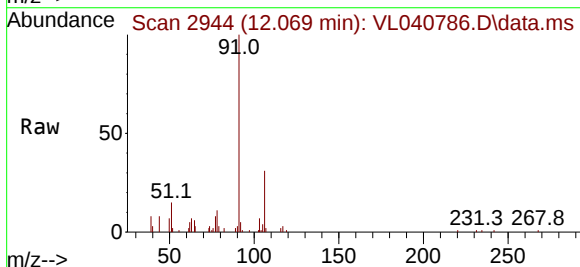
Manual Integrations
APPROVED

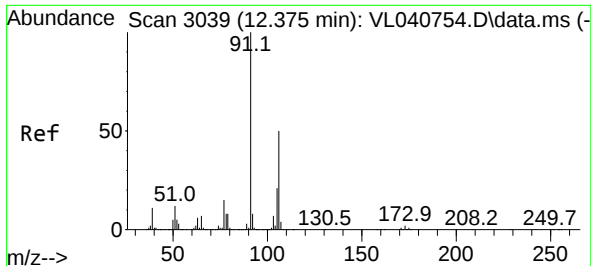
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Ethyl Benzene
Concen: 0.184 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 91 Resp: 30057
Ion Ratio Lower Upper
91 100
106 30.5 26.7 40.1





#59

m/p-Xylene

Concen: 0.359 ppbv m

RT: 12.352 min Scan# 3032

Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

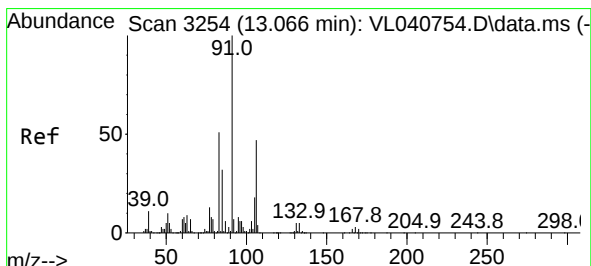
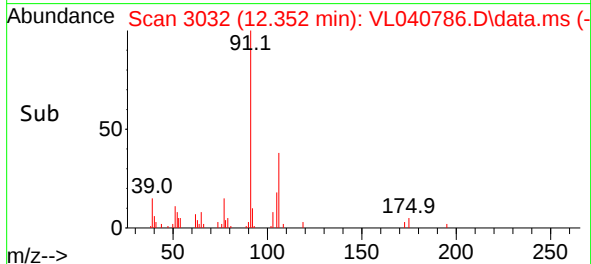
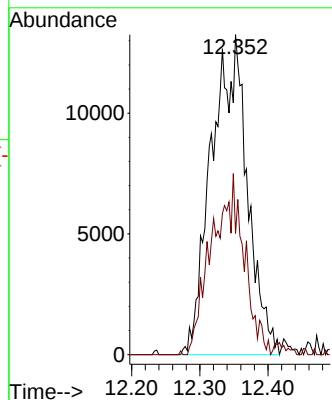
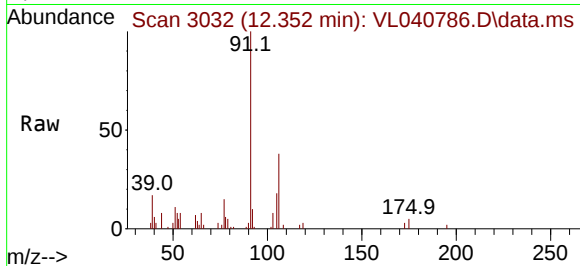
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 48420
 Ion Ratio Lower Upper
 91 100
 106 50.3 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#60

o-Xylene

Concen: 0.186 ppbv m

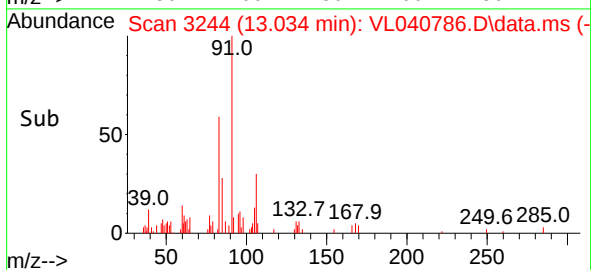
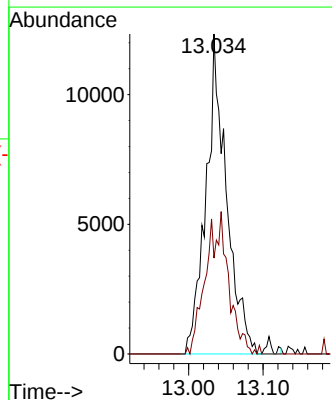
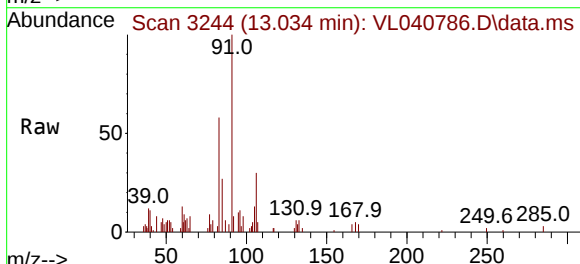
RT: 13.034 min Scan# 3244

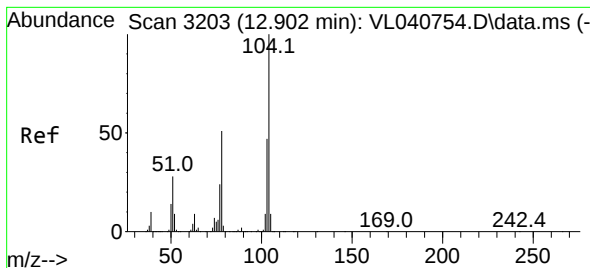
Delta R.T. -0.032 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Tgt Ion: 91 Resp: 23913
 Ion Ratio Lower Upper
 91 100
 106 48.5 23.5 70.5





#61

Styrene

Concen: 0.165 ppbv m

RT: 12.870 min Scan# 3193

Delta R.T. -0.032 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

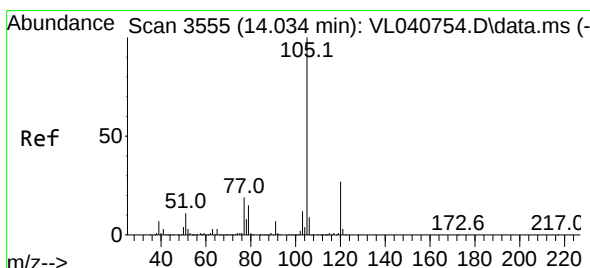
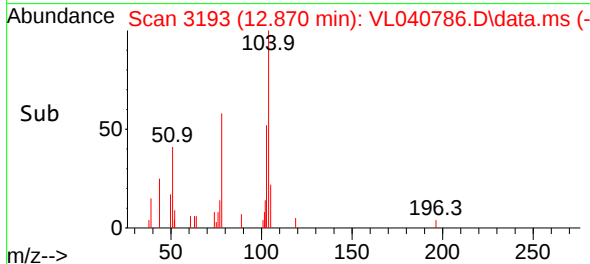
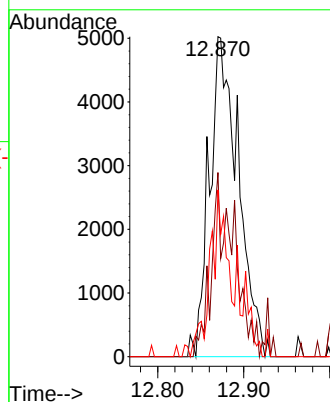
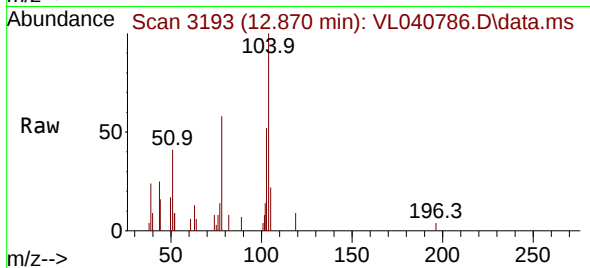
MDL-AIR-03-QT4-2023DL

Tgt Ion:	104	Resp:	1174
Ion Ratio	Lower	Upper	
104	100		
78	47.9	39.8	59.6
103	43.3	37.5	56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#62

Isopropylbenzene

Concen: 0.192 ppbv m

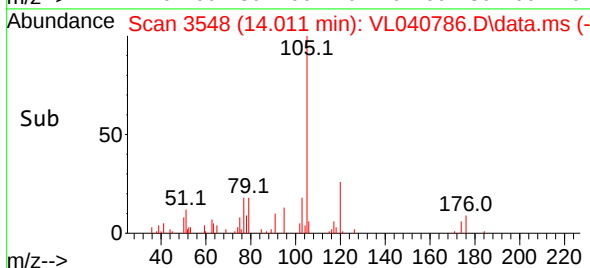
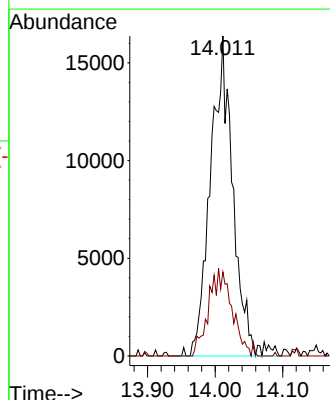
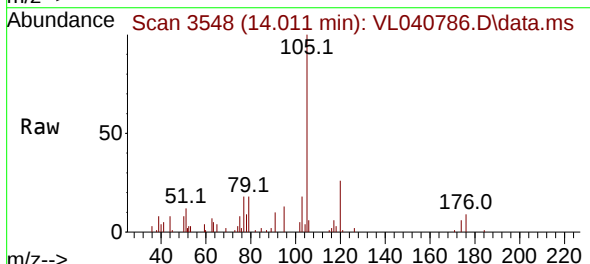
RT: 14.011 min Scan# 3548

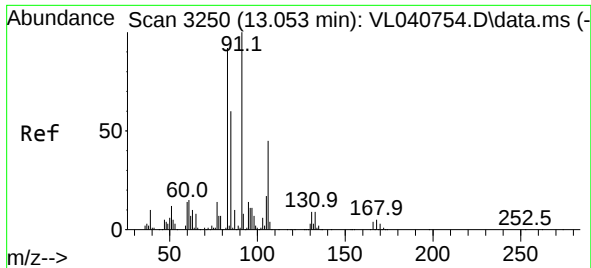
Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Tgt Ion:	105	Resp:	37907
Ion Ratio	Lower	Upper	
105	100		
120	0.0	21.5	32.3





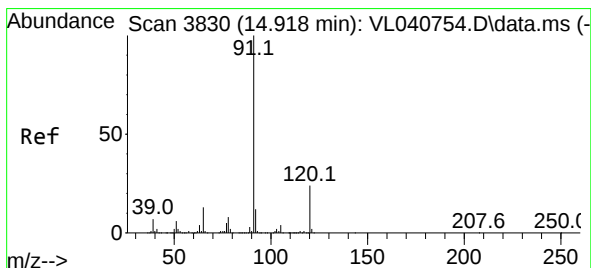
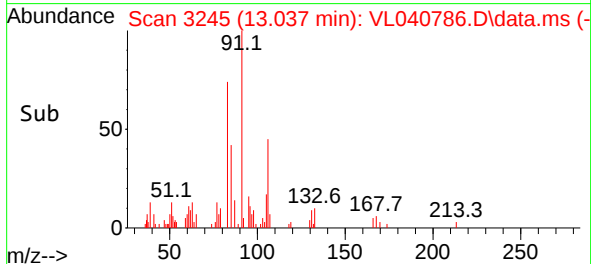
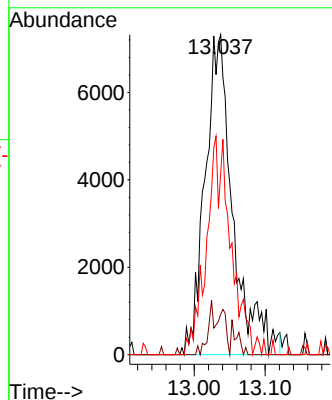
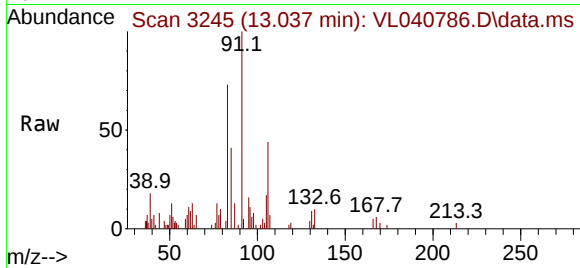
#63
1,1,2,2-Tetrachloroethane
Concen: 0.208 ppbv m
RT: 13.037 min Scan# 3199
Delta R.T. -0.016 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 83 Resp: 1999
Ion Ratio Lower Upper
83 100
131 10.3 4.9 14.6
85 59.9 32.9 98.7

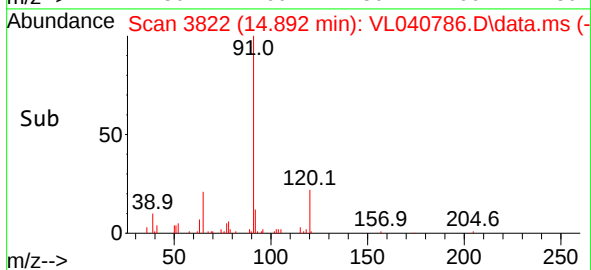
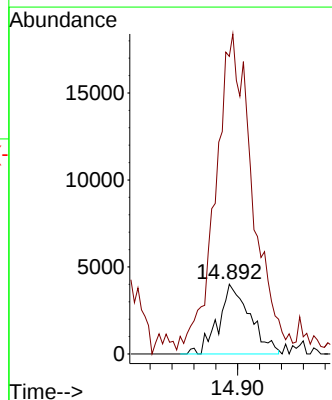
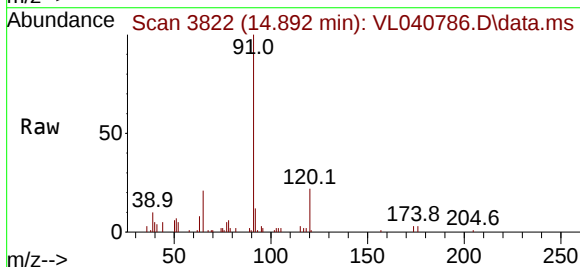
Manual Integrations
APPROVED

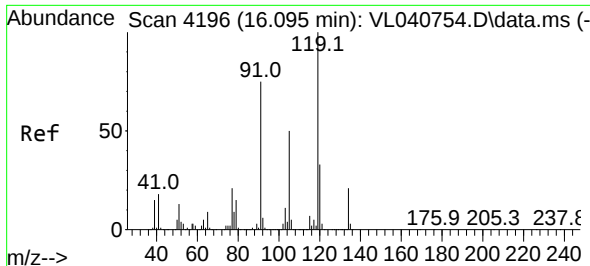
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#64
n-propylbenzene
Concen: 0.150 ppbv m
RT: 14.892 min Scan# 3822
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:120 Resp: 7958
Ion Ratio Lower Upper
120 100
91 0.0 345.9 518.9#





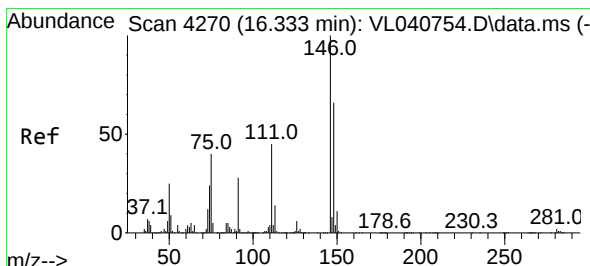
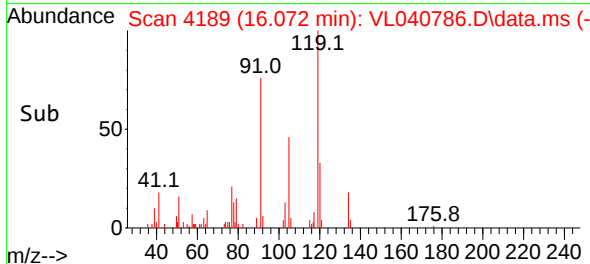
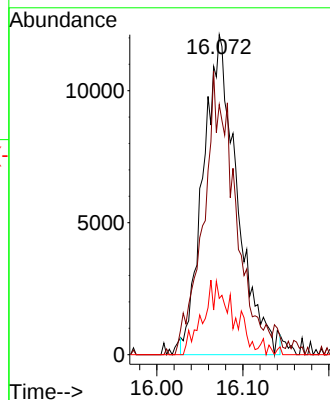
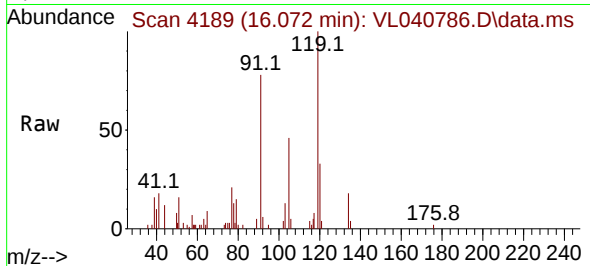
#65
tert-Butylbenzene
Concen: 0.186 ppbv m
RT: 16.072 min Scan# 4196
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 119 Resp: 3306
Ion Ratio Lower Upper
119 100
91 86.9 62.2 93.2
134 21.7 16.1 24.1

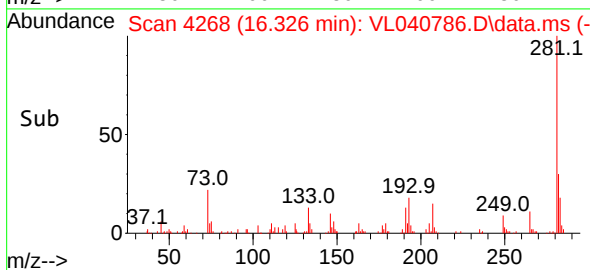
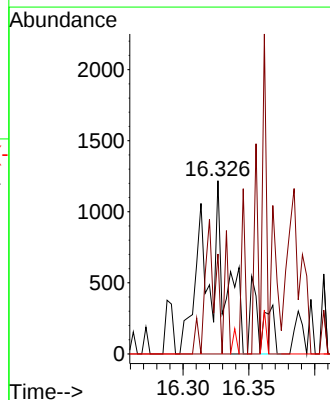
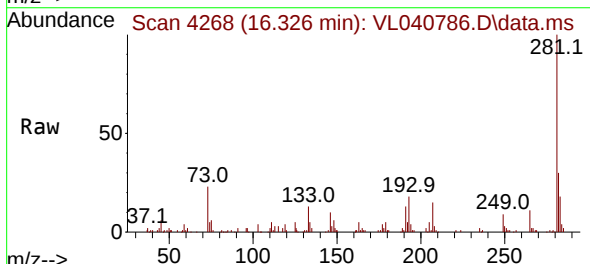
Manual Integrations
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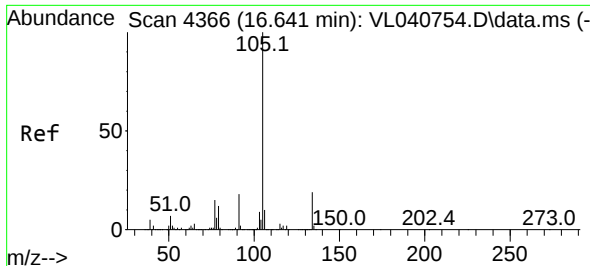
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#66
Benzyl Chloride
Concen: 0.097 ppbv m
RT: 16.326 min Scan# 4268
Delta R.T. -0.006 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 91 Resp: 1737
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1#
128 0.0 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.202 ppbv m

RT: 16.619 min Scan# 41

Delta R.T. -0.022 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

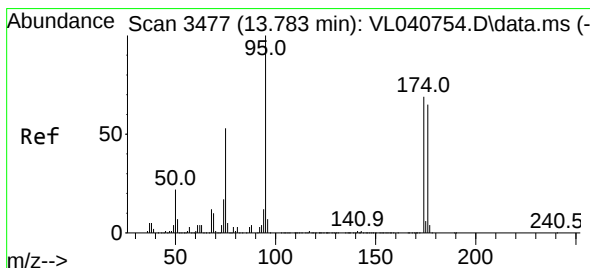
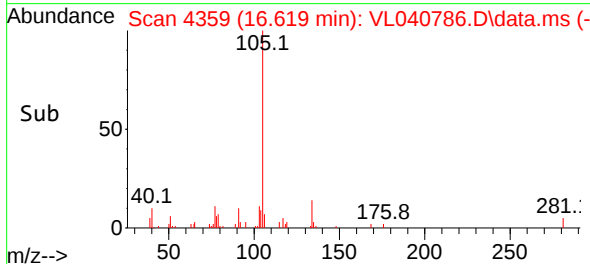
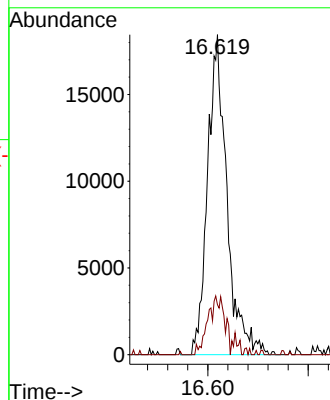
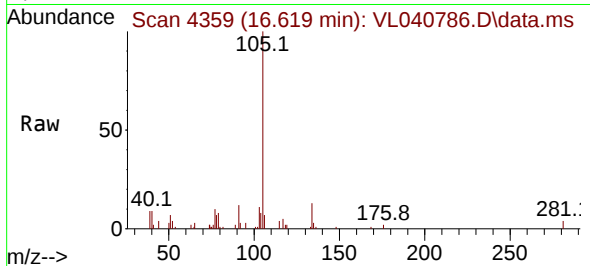
MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 4922
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 17.641 ppbv

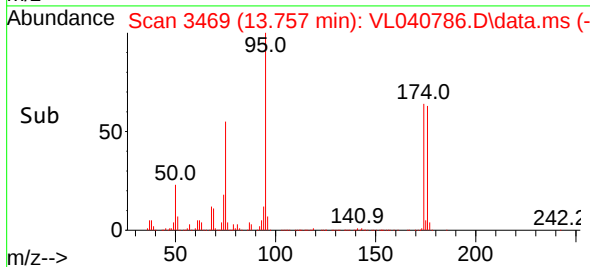
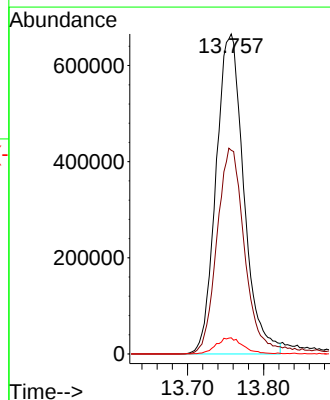
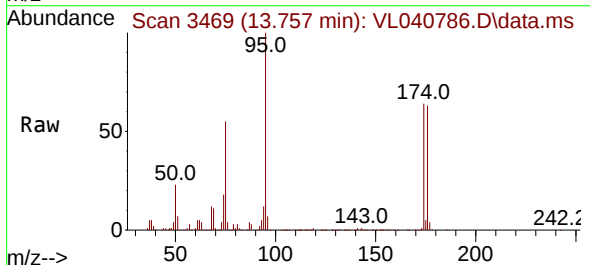
RT: 13.757 min Scan# 3469

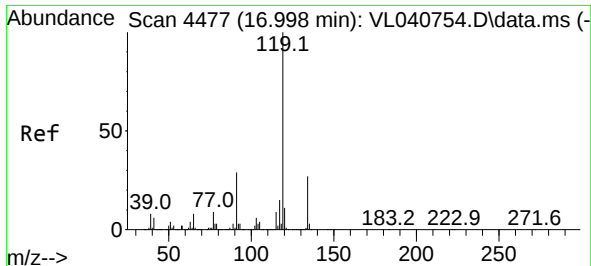
Delta R.T. -0.026 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Tgt Ion: 95 Resp: 1687609
 Ion Ratio Lower Upper
 95 100
 174 66.9 54.7 82.1
 175 5.0 4.2 6.4





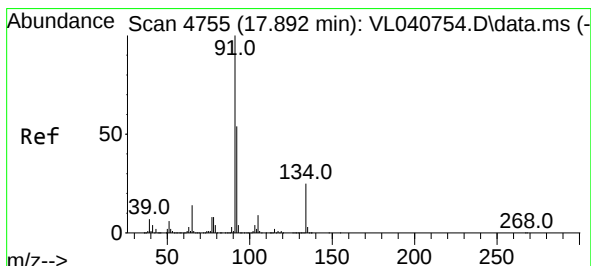
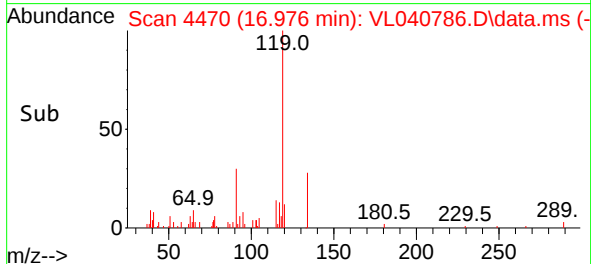
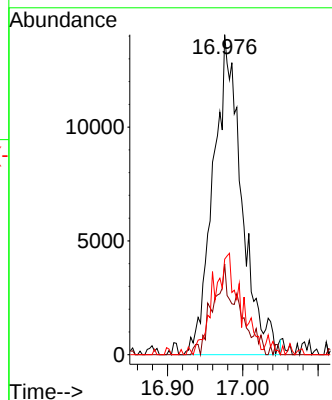
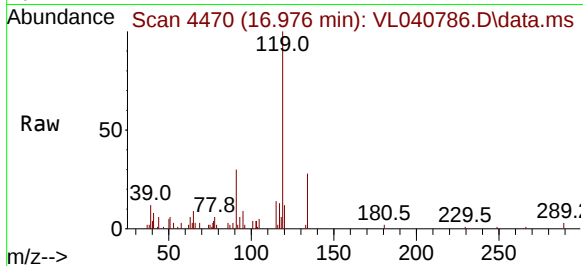
#69
p-Isopropyltoluene
Concen: 0.181 ppbv m
RT: 16.976 min Scan# 4477
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 119 Resp: 37059
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4#
91 0.0 22.8 34.2#

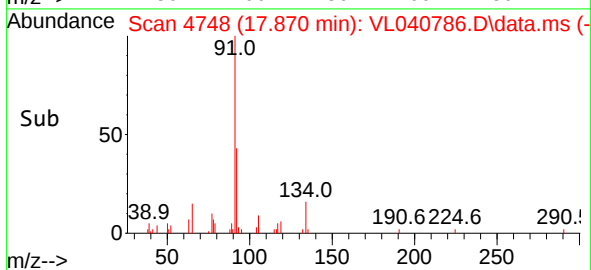
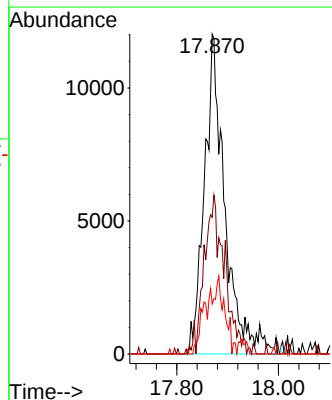
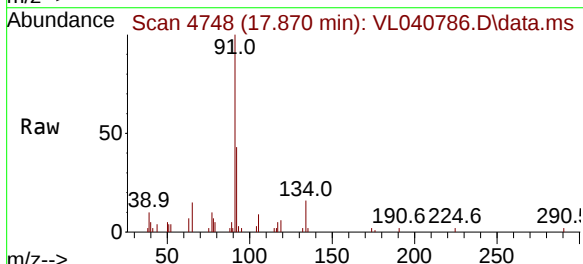
Manual Integrations
APPROVED

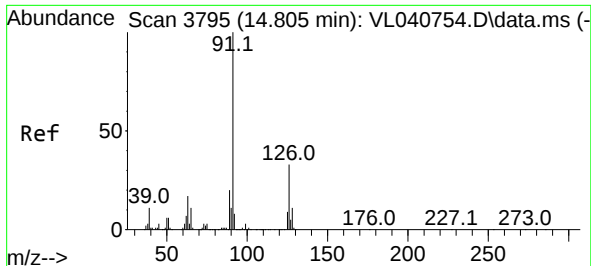
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#70
n-Butylbenzene
Concen: 0.168 ppbv m
RT: 17.870 min Scan# 4748
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion: 91 Resp: 33698
Ion Ratio Lower Upper
91 100
92 0.0 44.1 66.1#
134 0.0 19.5 29.3#





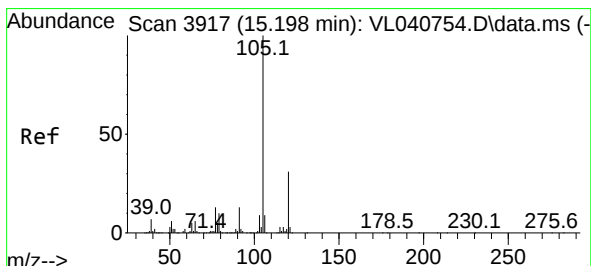
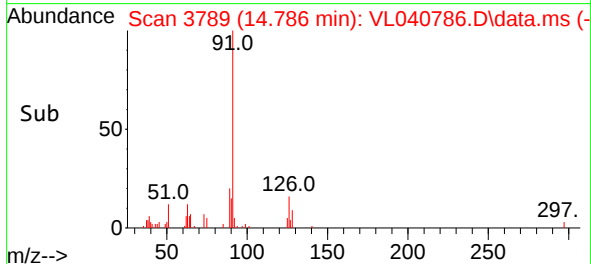
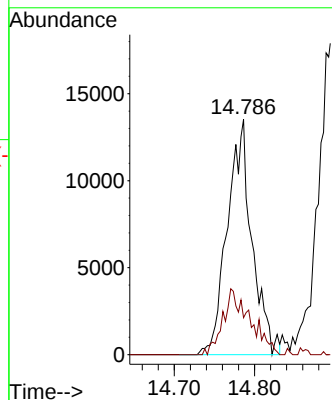
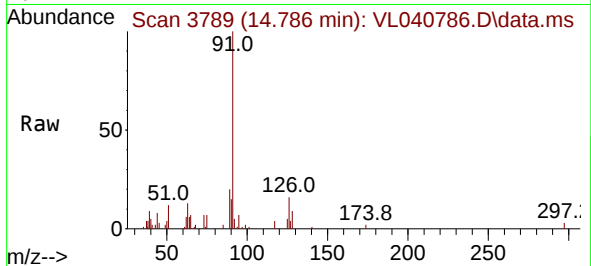
#71
2-Chlorotoluene
Concen: 0.194 ppbv m
RT: 14.786 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

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

Tgt Ion: 91 Resp: 2879
Ion Ratio Lower Upper
91 100
126 30.7 13.3 53.1

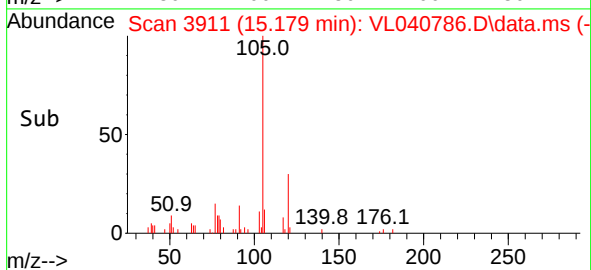
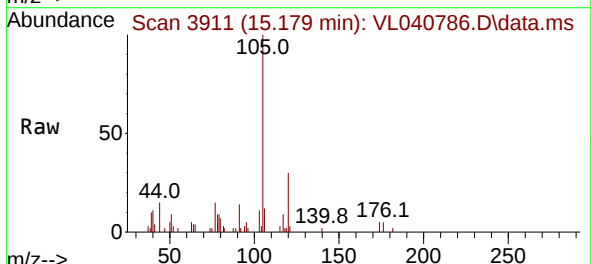
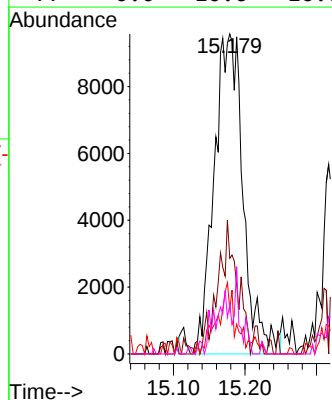
Manual Integrations
APPROVED

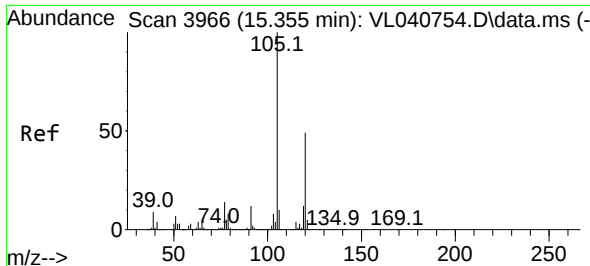
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#72
4-Ethyltoluene
Concen: 0.183 ppbv m
RT: 15.179 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

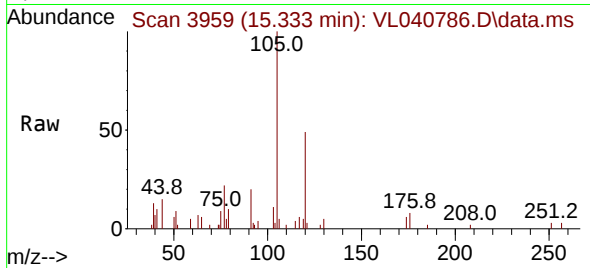
Tgt Ion:105 Resp: 27480
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 0.0 9.8 14.8#
77 0.0 10.6 16.0#





#73
1,3,5-Trimethylbenzene
Concen: 0.177 ppbv m
RT: 15.333 min Scan# 3966
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

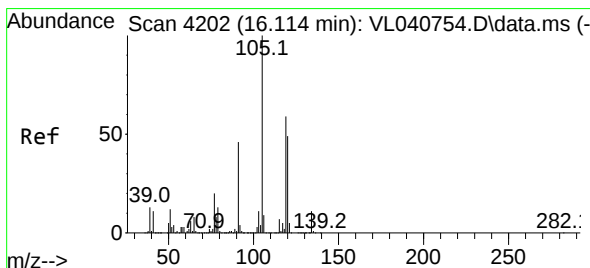
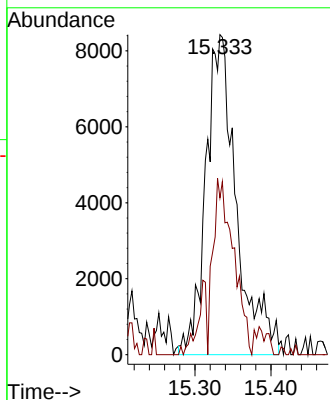
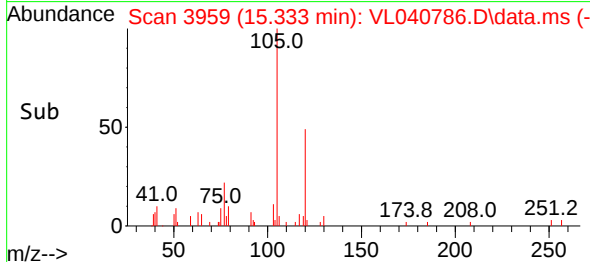
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



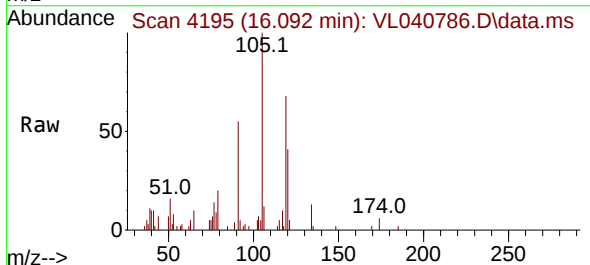
Tgt Ion:105 Resp: 2348
Ion Ratio Lower Upper
105 100
120 49.0 39.4 59.2

Manual Integrations
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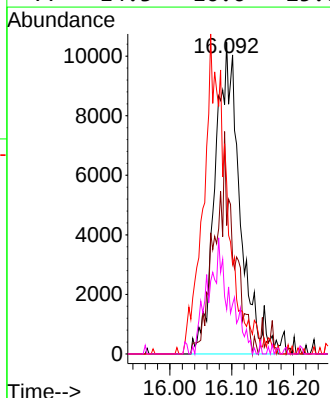
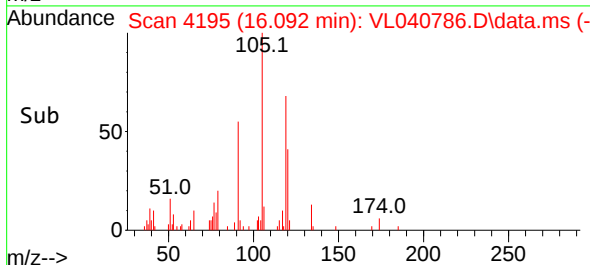
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

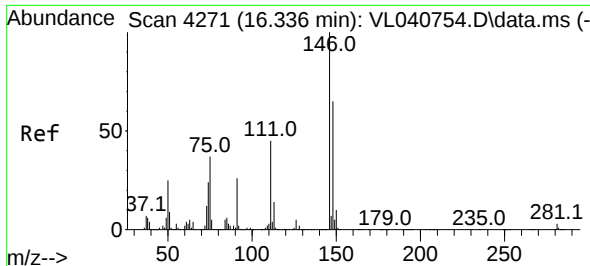


#74
1,2,4-Trimethylbenzene
Concen: 0.202 ppbv m
RT: 16.092 min Scan# 4195
Delta R.T. -0.022 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



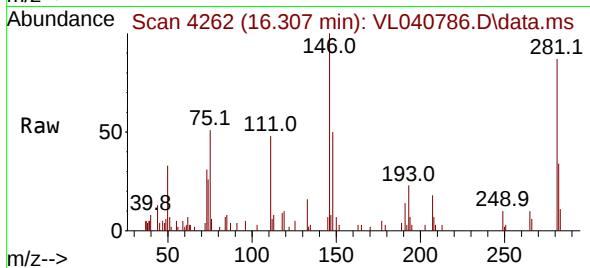
Tgt Ion:105 Resp: 29280
Ion Ratio Lower Upper
105 100
120 41.2 39.4 59.2
91 55.0 38.6 58.0
77 14.3 16.6 25.0#





#75
1,3-Dichlorobenzene
Concen: 0.204 ppbv m
RT: 16.307 min Scan# 4309
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

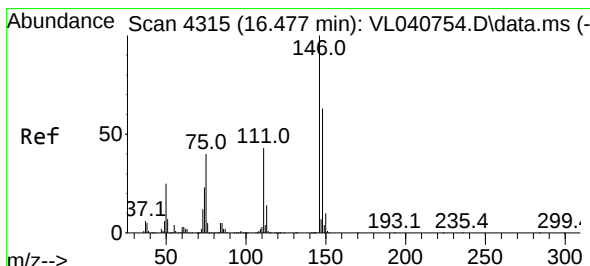
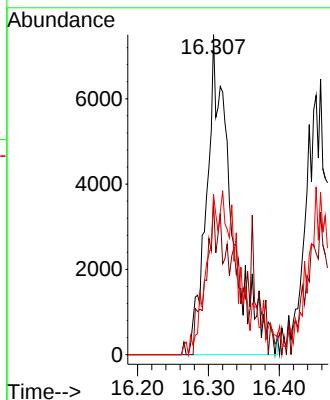
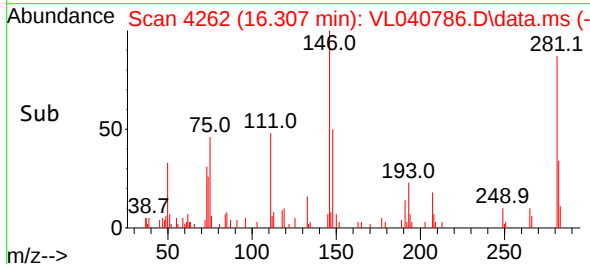
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



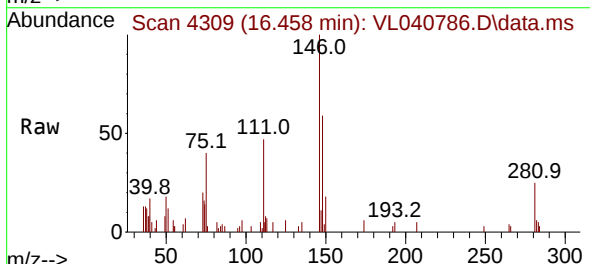
Tgt Ion:146 Resp: 18302
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7
148 0.0 32.4 97.0

Manual Integrations
APPROVED

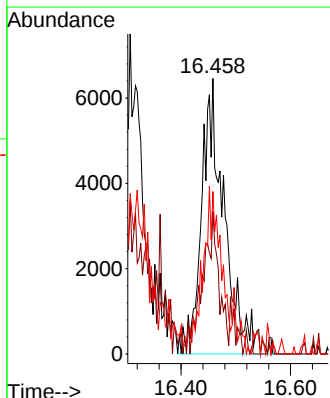
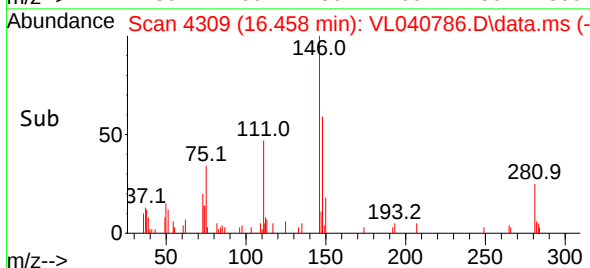
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

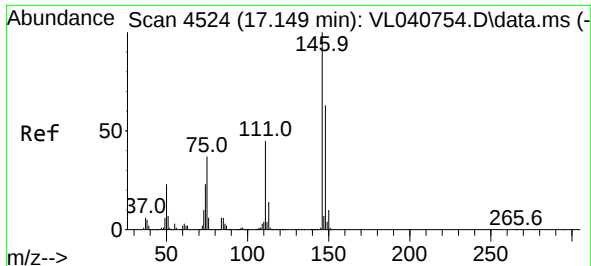


#76
1,4-Dichlorobenzene
Concen: 0.210 ppbv m
RT: 16.458 min Scan# 4309
Delta R.T. -0.019 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53



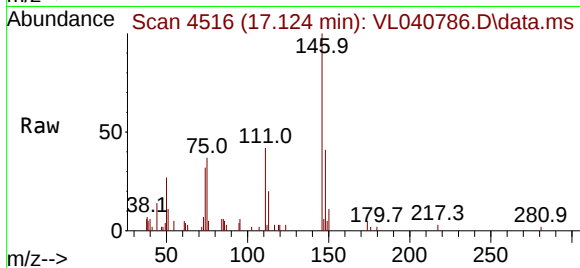
Tgt Ion:146 Resp: 18713
Ion Ratio Lower Upper
146 100
111 0.0 22.0 66.0#
148 0.0 33.4 100.1#





#77
1,2-Dichlorobenzene
Concen: 0.215 ppbv m
RT: 17.124 min Scan# 4516
Delta R.T. -0.026 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

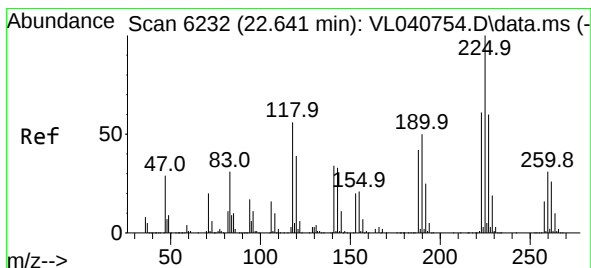
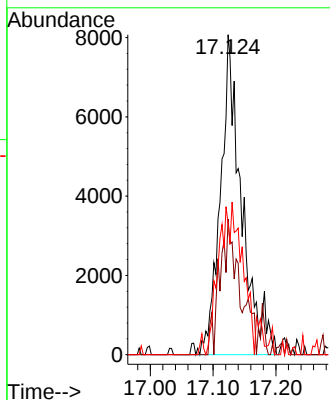
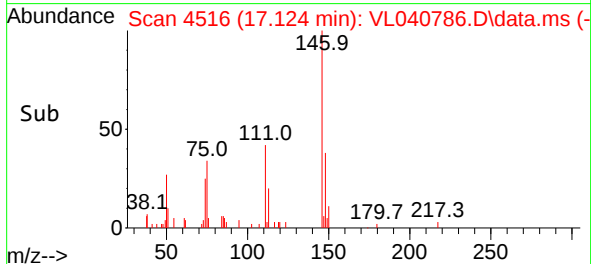
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 1897
Ion Ratio Lower Upper
146 100
111 45.4 22.9 68.8
148 59.1 32.3 96.8

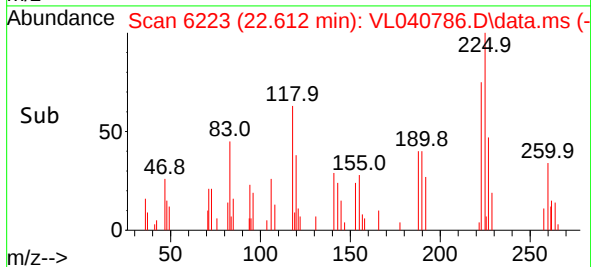
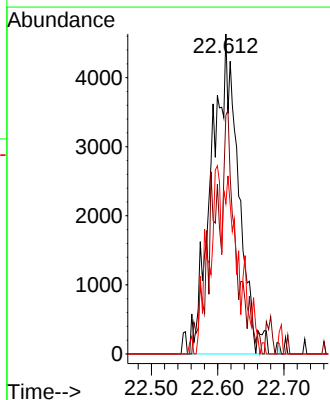
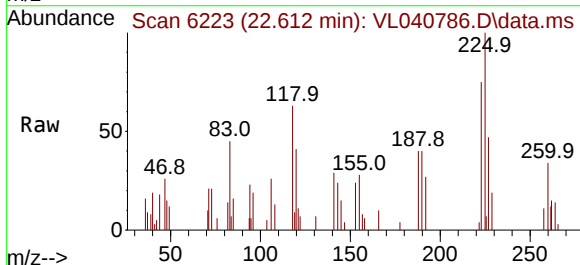
Manual Integrations
APPROVED

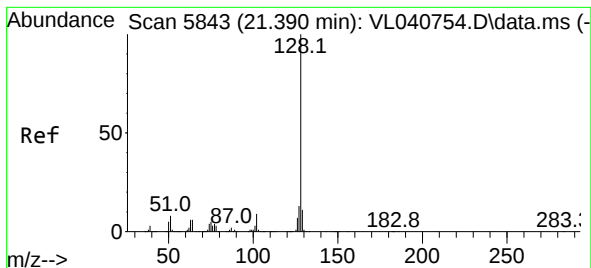
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.209 ppbv m
RT: 22.612 min Scan# 6223
Delta R.T. -0.029 min
Lab File: VL040786.D
Acq: 23 Oct 2023 19:53

Tgt Ion:225 Resp: 13185
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.4 77.0#





#79

Naphthalene

Concen: 0.076 ppbv m

RT: 21.374 min Scan# 5838

Delta R.T. -0.016 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Instrument :

MSVOA_L

ClientSampleId :

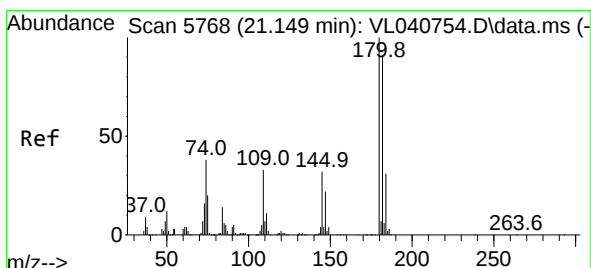
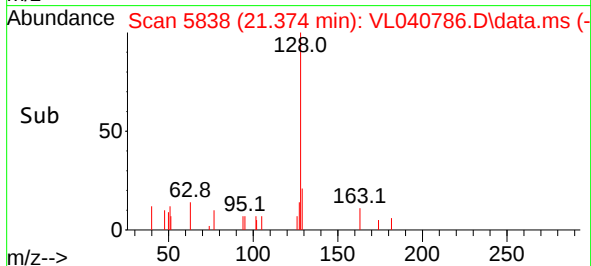
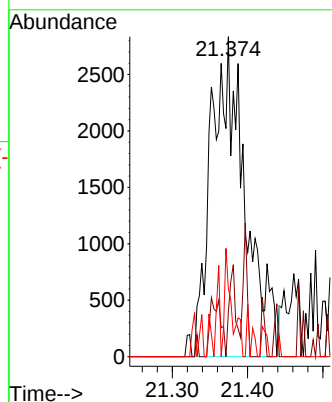
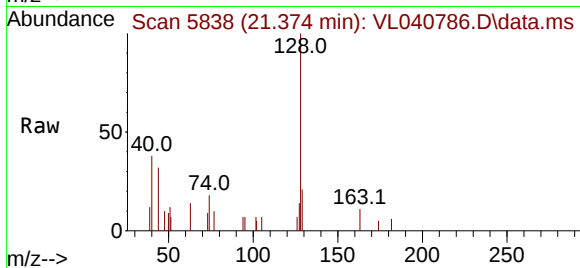
MDL-AIR-03-QT4-2023DL

Tgt Ion:	128	Resp:	8938
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.6	15.8
129	21.2	9.0	13.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#81

1,2,4-Trichlorobenzene

Concen: 0.110 ppbv m

RT: 21.120 min Scan# 5759

Delta R.T. -0.029 min

Lab File: VL040786.D

Acq: 23 Oct 2023 19:53

Tgt Ion:	180	Resp:	7051
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.9	116.9#
184	0.0	25.0	37.6#

