

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040784.D
 Acq On : 23 Oct 2023 18:36
 Operator : SY/MD
 Sample : 04699-15 0.45 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 16:11:45 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)

Internal Standards						
1) Bromochloromethane	5.182	49	891575	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2532477	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	1111208m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1756930 21.487 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 214.900%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	80014	0.510	ppbv	91
3) Chlorodifluoromethane	2.684	51	65076	0.497	ppbv	99
4) Chloromethane	2.825	50	24534	0.474	ppbv #	87
5) Vinyl Chloride	2.925	62	24620	0.461	ppbv	98
6) Bromomethane	3.124	94	10117	0.457	ppbv	84
7) Chloroethane	3.202	64	8331	0.479	ppbv #	83
8) Dichlorotetrafluoroethane	2.867	85	62637	0.526	ppbv	96
9) Propene	2.700	41	22541	0.463	ppbv	86
10) Heptane	7.568	43	58383	0.478	ppbv	97
11) Trichlorofluoromethane	3.562	101	60409	0.499	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	41371	0.479	ppbv	100
13) Ethanol	3.266	45	7307m	0.665	ppbv	
14) Bromoethene	3.369	108	17839	0.482	ppbv #	88
15) Acetone	3.481	43	56159	0.609	ppbv	92
16) 1,3-Butadiene	2.989	39	20508	0.424	ppbv #	81
17) tert-Butyl alcohol	3.893	59	42080	0.445	ppbv	97
18) 1,1-Dichloroethene	3.880	96	19662	0.508	ppbv	92
19) Isopropyl Alcohol	3.594	45	30380	0.512	ppbv #	43
20) Methylene Chloride	3.931	84	22439	0.584	ppbv	92
21) Allyl Chloride	3.993	41	24791	0.408	ppbv #	71
22) trans-1,2-Dichloroethene	4.439	96	20872m	0.506	ppbv	
23) Vinyl Acetate	4.632	43	60150m	0.512	ppbv	
24) 1,1-Dichloroethane	4.558	63	38222	0.431	ppbv	97
25) Ethyl Acetate	5.208	43	98064m	0.486	ppbv	
26) Hexane	5.208	57	46605	0.505	ppbv	90
27) Carbon Disulfide	4.124	76	40793	0.401	ppbv #	79
28) Methyl tert-Butyl Ether	4.594	73	28555	0.398	ppbv	93
29) Chloroform	5.263	83	65489	0.490	ppbv	97
30) Cyclohexane	6.594	84	36647	0.467	ppbv	90
31) cis-1,2-Dichloroethene	5.073	61	39036	0.459	ppbv	90
32) 1,1,1-Trichloroethane	5.996	97	66653m	0.469	ppbv	
34) 2-Butanone	4.800	43	64600m	0.564	ppbv	
35) Carbon Tetrachloride	6.484	117	62124	0.437	ppbv	93
36) Benzene	6.356	78	93535m	0.480	ppbv	
37) 1,2-Dichloroethane	5.796	62	48861	0.490	ppbv	98
38) Trichloroethene	7.275	130	39238m	0.455	ppbv	
39) 1,2-Dichloropropane	7.063	63	34260	0.450	ppbv #	84
40) 1,4-Dioxane	7.307	88	16968m	0.589	ppbv	
41) Tetrahydrofuran	5.581	42	38306m	0.483	ppbv	
42) Bromodichloromethane	7.230	83	67812	0.454	ppbv	88
43) Methyl Methacrylate	7.475	69	34034m	0.436	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	157885	0.479	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	21476m	0.345	ppbv	

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 MDL-AIR-03-QT4-2023DL

Quant Time: Oct 24 16:11:45 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

Manual Integrations
 APPROVED

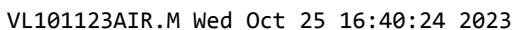
Reviewed By : Semsettin Yesilyurt 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

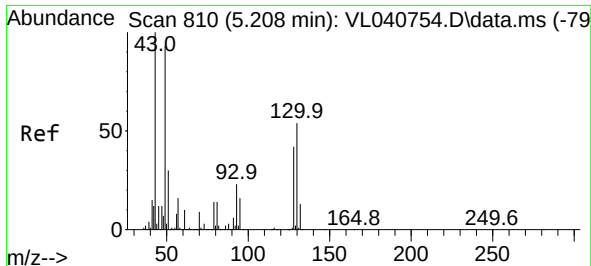
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	29681	0.391	ppbv #	94
47) 1,1,2-Trichloroethane	8.877	97	38030m	0.476	ppbv	
48) Dibromochloromethane	9.693	129	53675	0.401	ppbv	100
49) Bromoform	12.388	173	38167	0.350	ppbv	94
50) 4-Methyl-2-Pentanone	8.188	43	85907	0.438	ppbv	97
51) 2-Hexanone	9.558	43	64059m	0.429	ppbv	
52) Tetrachloroethene	10.597	164	35794m	0.452	ppbv	
53) Toluene	9.205	91	103690	0.447	ppbv	99
54) 1,2-Dibromoethane	9.992	107	54474m	0.486	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.494	131	43596m	0.961	ppbv	
57) Chlorobenzene	11.503	112	89421m	1.123	ppbv	
58) Ethyl Benzene	12.069	91	143669	1.027	ppbv	95
59) m/p-Xylene	12.352	91	236324m	2.052	ppbv	
60) o-Xylene	13.037	91	115966	1.057	ppbv	98
61) Styrene	12.883	104	54247	0.892	ppbv	98
62) Isopropylbenzene	14.015	105	178316	1.056	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.028	83	84758m	1.030	ppbv	
64) n-propylbenzene	14.889	120	47826m	1.055	ppbv	
65) tert-Butylbenzene	16.069	119	156409	1.027	ppbv	97
66) Benzyl Chloride	16.320	91	8696m	0.567	ppbv	
67) sec-Butylbenzene	16.616	105	224105m	1.075	ppbv	
69) p-Isopropyltoluene	16.976	119	169154	0.968	ppbv	96
70) n-Butylbenzene	17.870	91	165305	0.964	ppbv	98
71) 2-Chlorotoluene	14.780	91	130995	1.033	ppbv	98
72) 4-Ethyltoluene	15.169	105	135271m	1.053	ppbv	
73) 1,3,5-Trimethylbenzene	15.330	105	105295	0.931	ppbv	87
74) 1,2,4-Trimethylbenzene	16.088	105	120994	0.979	ppbv	95
75) 1,3-Dichlorobenzene	16.314	146	68057	0.885	ppbv	88
76) 1,4-Dichlorobenzene	16.455	146	64974	0.854	ppbv	84
77) 1,2-Dichlorobenzene	17.124	146	74590m	0.989	ppbv	
78) Hexachloro-1,3-Butadiene	22.603	225	60533m	1.122	ppbv	
79) Naphthalene	21.368	128	65361m	0.651	ppbv	
80) Naphthalene,2-methyl-	24.368	142	5689m	0.202	ppbv	
81) 1,2,4-Trichlorobenzene	21.120	180	42259m	0.775	ppbv	

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

Manual Integrations APPROVED

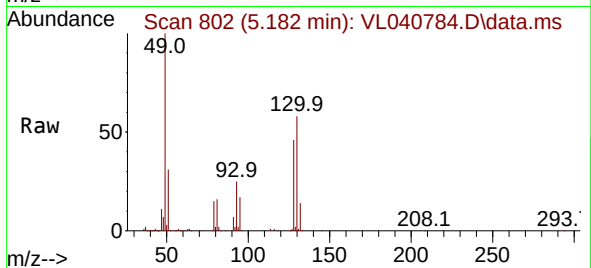
Quant Time: Oct 24 16:11:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Oct 24 16:11:15 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

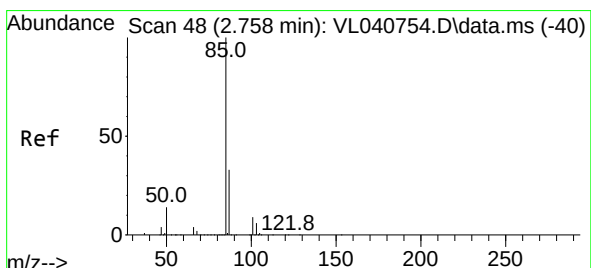
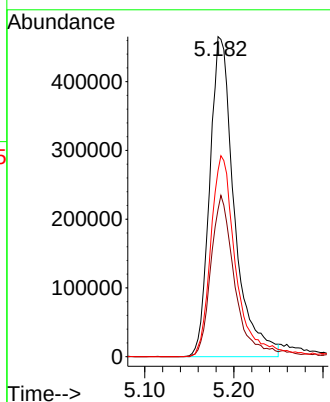
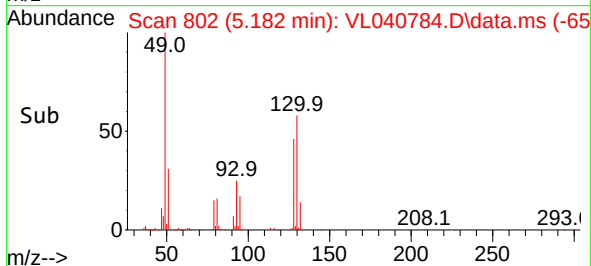
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 89157
Ion Ratio Lower Upper
49 100
128 50.3 23.9 71.7
130 65.9 30.7 92.1

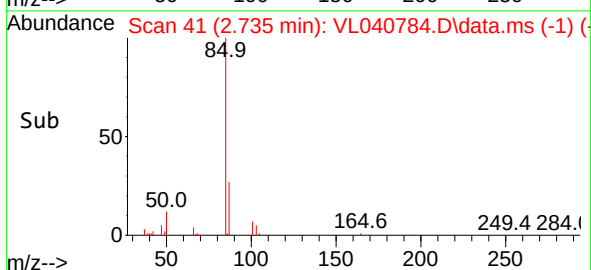
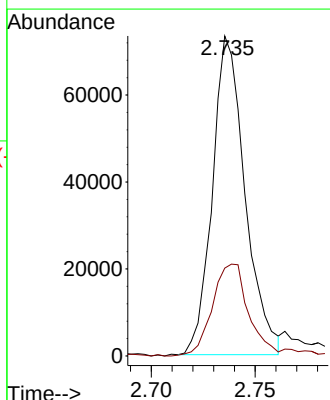
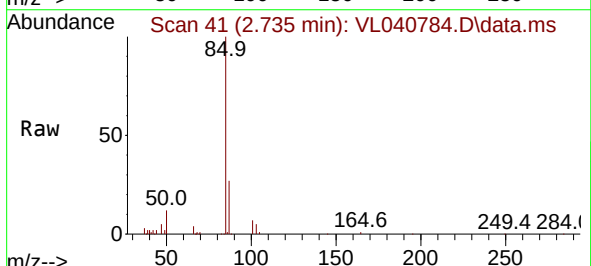
Manual Integrations
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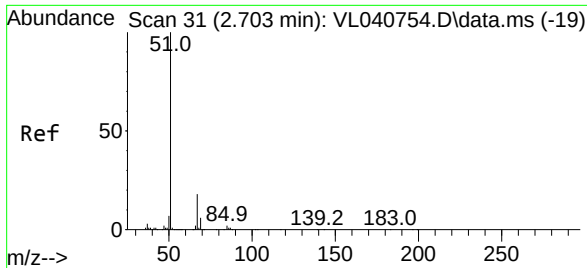
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.510 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 85 Resp: 80014
Ion Ratio Lower Upper
85 100
87 27.3 26.0 39.0





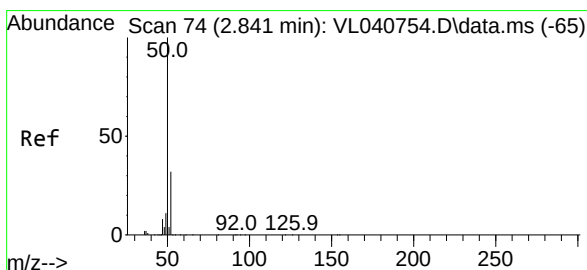
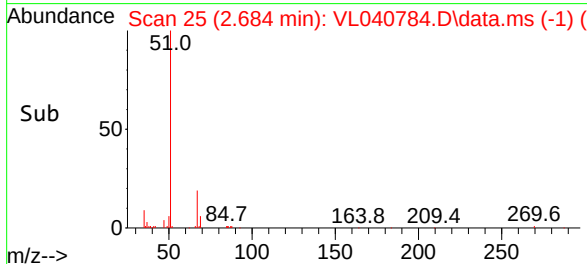
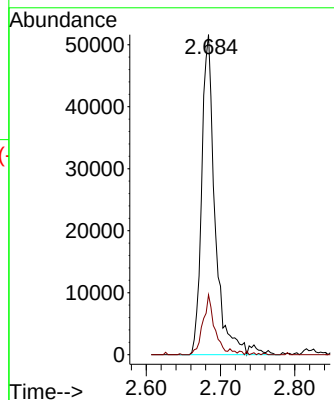
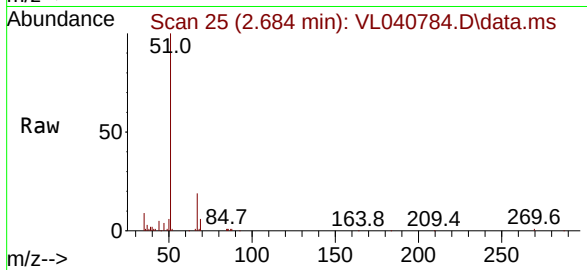
#3
Chlorodifluoromethane
Concen: 0.497 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion: 51 Resp: 65070
Ion Ratio Lower Upper
51 100
67 17.0 13.8 20.6

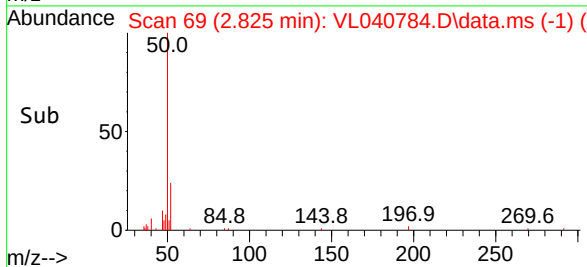
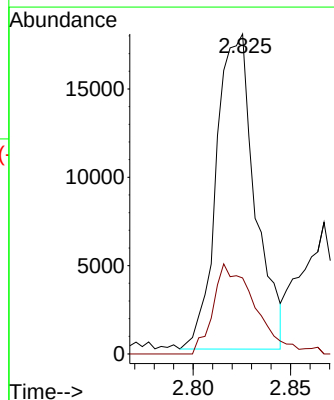
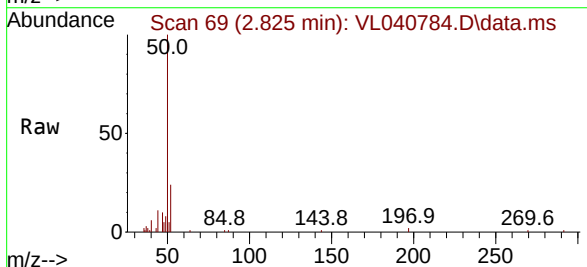
Manual Integrations
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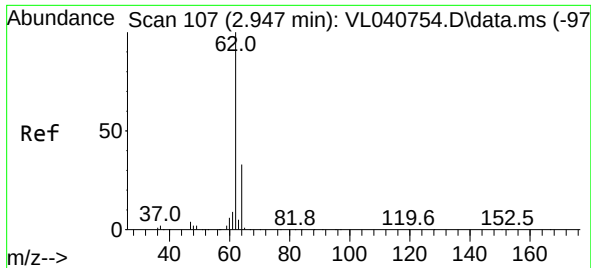
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Chloromethane
Concen: 0.474 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.016 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

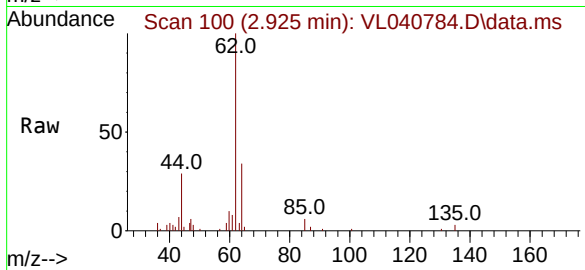
Tgt Ion: 50 Resp: 24534
Ion Ratio Lower Upper
50 100
52 24.1 25.3 37.9#





#5
 Vinyl Chloride
 Concen: 0.461 ppbv
 RT: 2.925 min Scan# 107
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

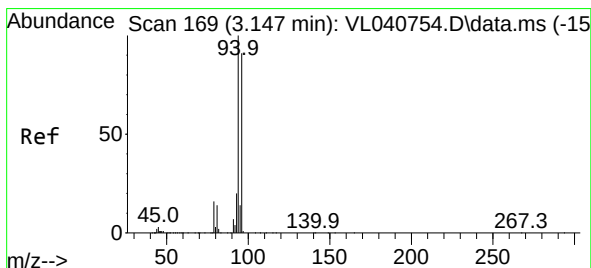
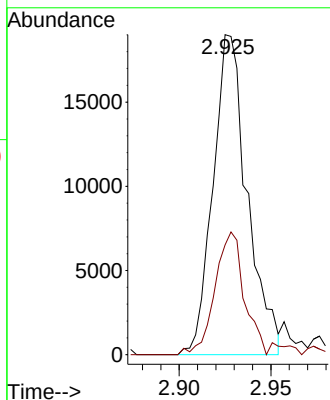
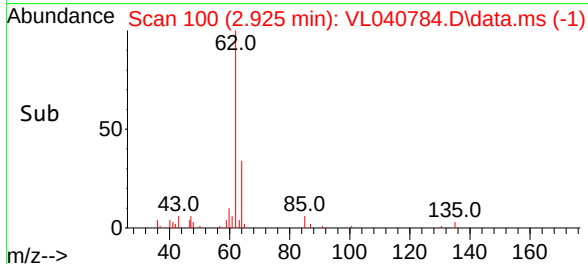
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



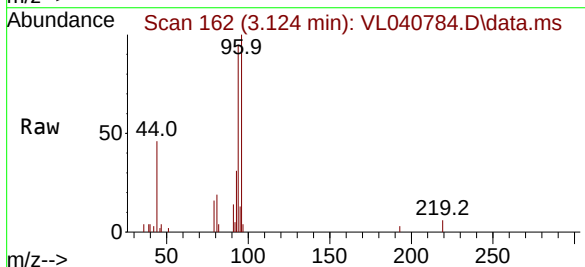
Tgt Ion: 62 Resp: 24620
 Ion Ratio Lower Upper
 62 100
 64 34.3 26.6 39.8

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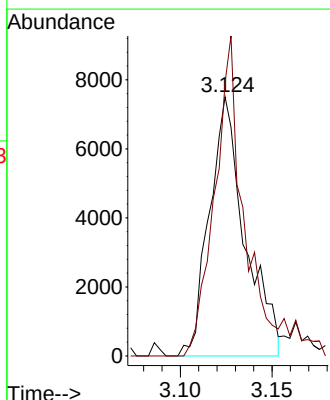
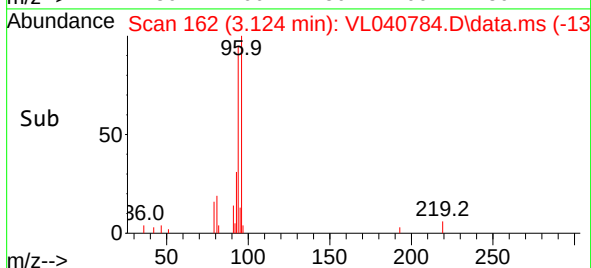
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023

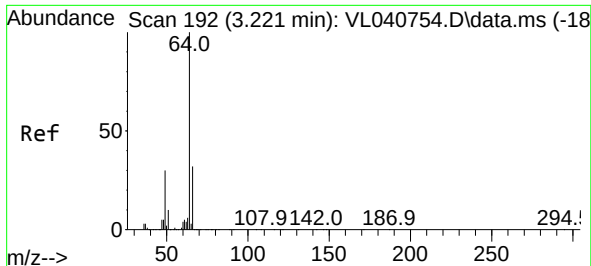


#6
 Bromomethane
 Concen: 0.457 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36



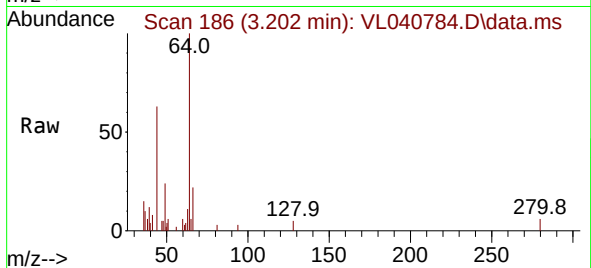
Tgt Ion: 94 Resp: 10117
 Ion Ratio Lower Upper
 94 100
 96 105.6 72.6 109.0





#7
Chloroethane
Concen: 0.479 ppbv
RT: 3.202 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

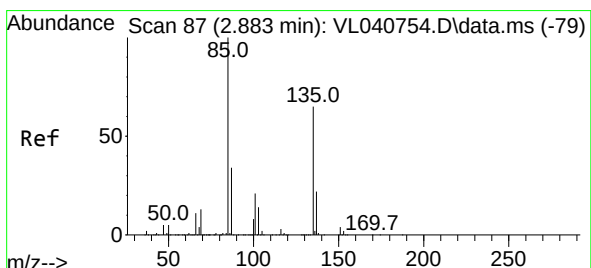
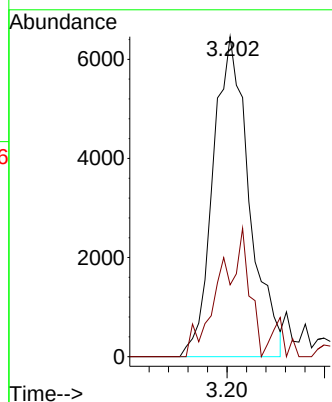
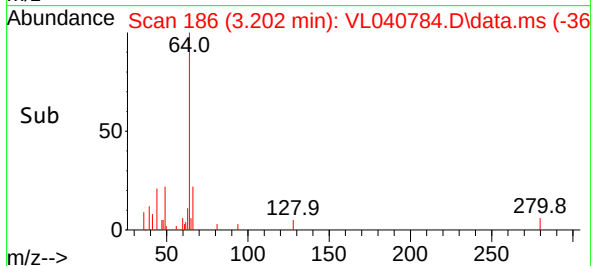
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 833
Ion Ratio Lower Upper
64 100
66 22.4 25.4 38.2

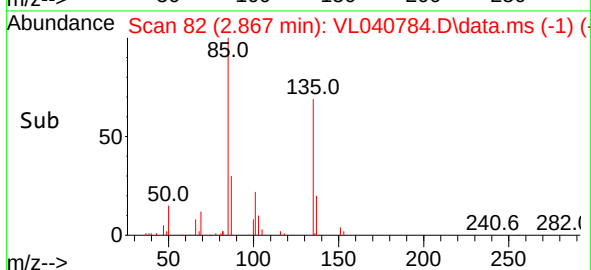
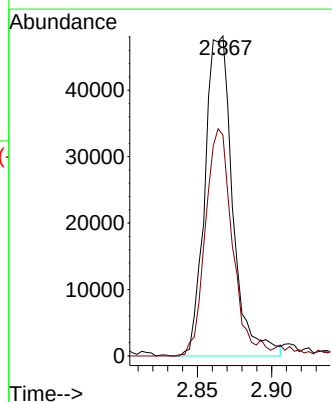
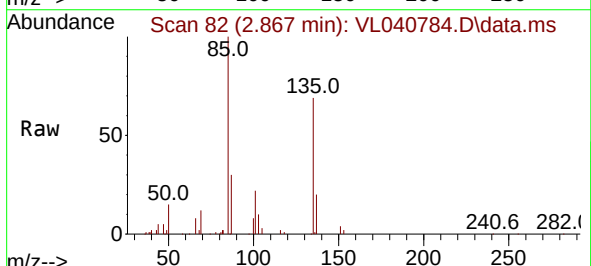
Manual Integrations
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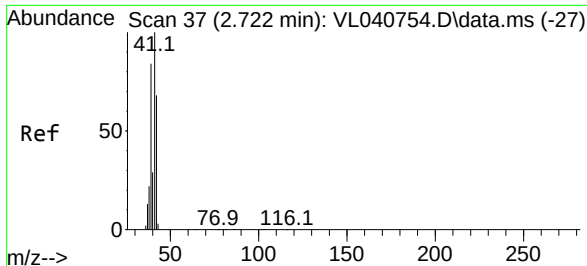
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#8
Dichlorotetrafluoroethane
Concen: 0.526 ppbv
RT: 2.867 min Scan# 82
Delta R.T. -0.016 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 85 Resp: 62637
Ion Ratio Lower Upper
85 100
135 72.7 55.4 83.2





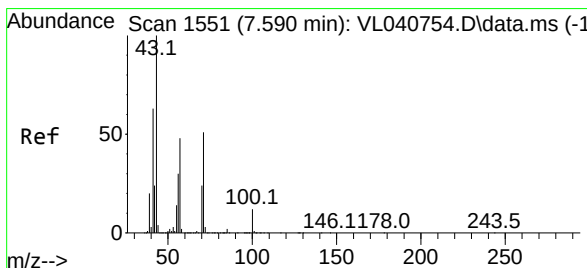
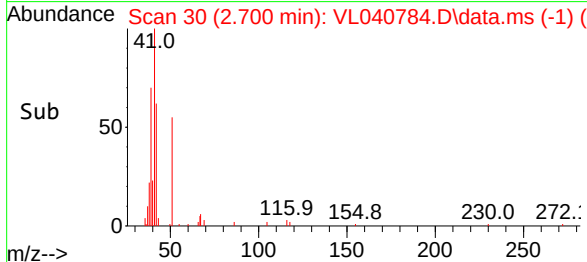
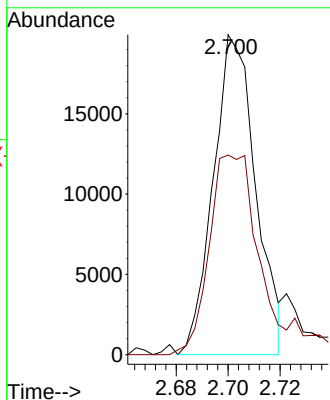
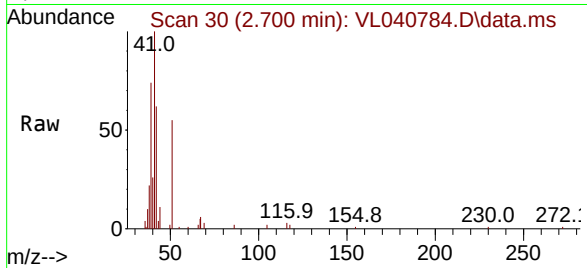
#9
 Propene
 Concen: 0.463 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

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

Tgt Ion: 41 Resp: 2254
 Ion Ratio Lower Upper
 41 100
 42 83.2 57.1 85.7

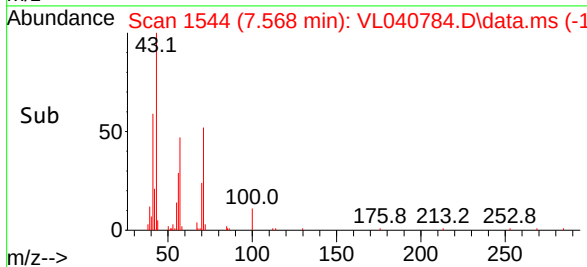
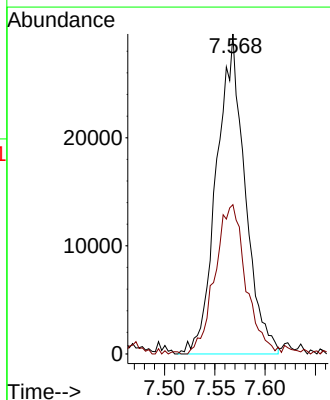
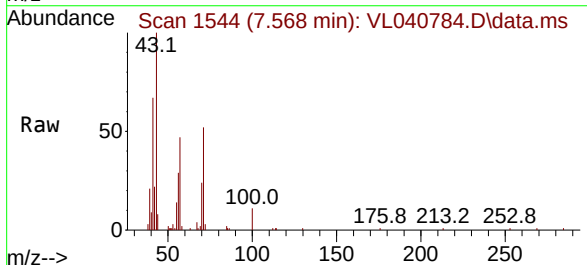
Manual Integrations
 APPROVED

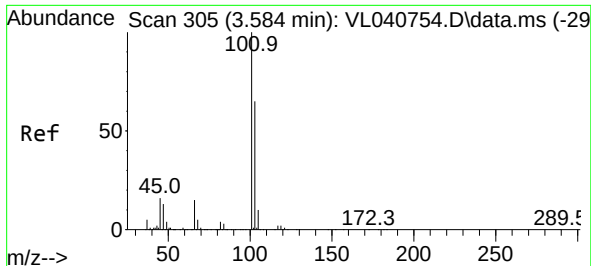
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#10
 Heptane
 Concen: 0.478 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

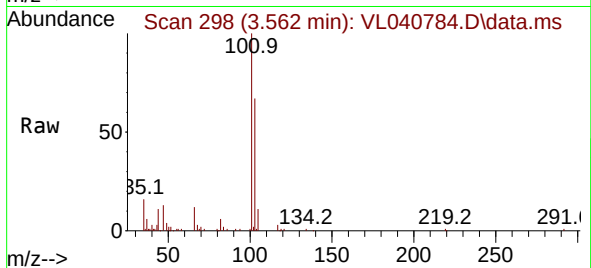
Tgt Ion: 43 Resp: 58383
 Ion Ratio Lower Upper
 43 100
 57 52.1 40.0 60.0





#11
 Trichlorofluoromethane
 Concen: 0.499 ppbv
 RT: 3.562 min Scan# 24
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

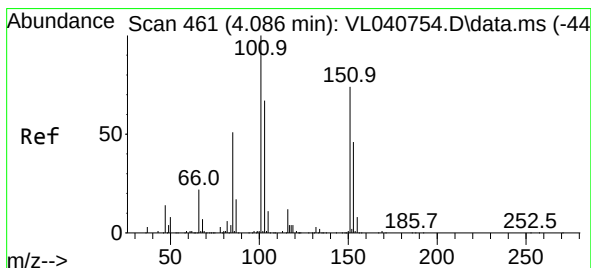
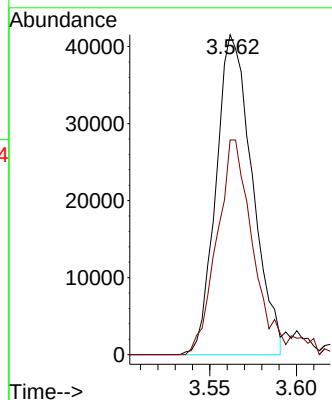
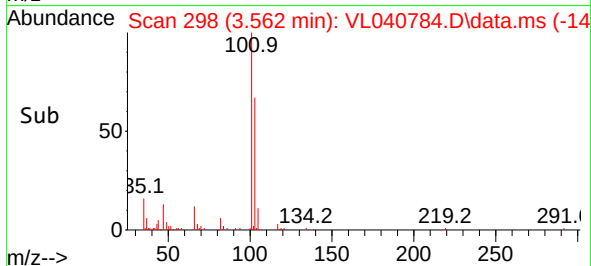
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 60409
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.2 78.2

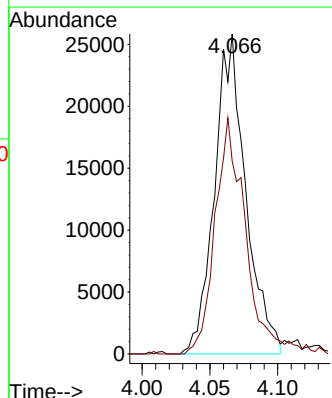
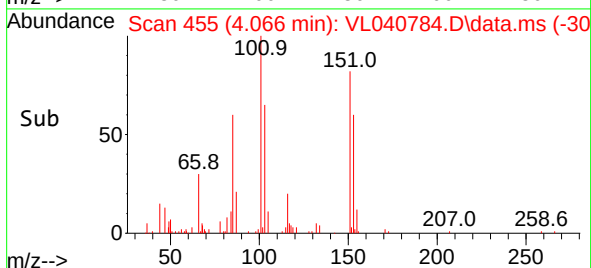
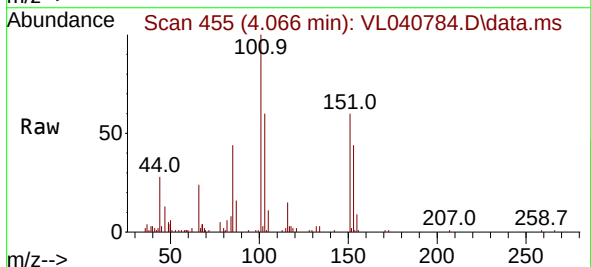
Manual Integrations
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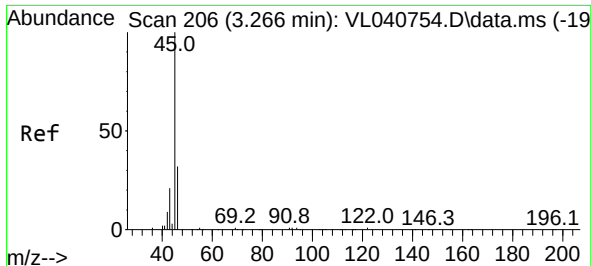
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.479 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.019 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

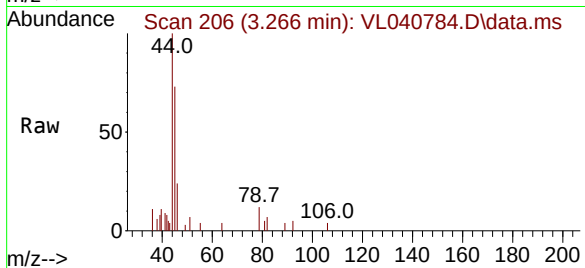
Tgt Ion:101 Resp: 41371
 Ion Ratio Lower Upper
 101 100
 151 72.9 58.1 87.1





#13
Ethanol
Concen: 0.665 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.000 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

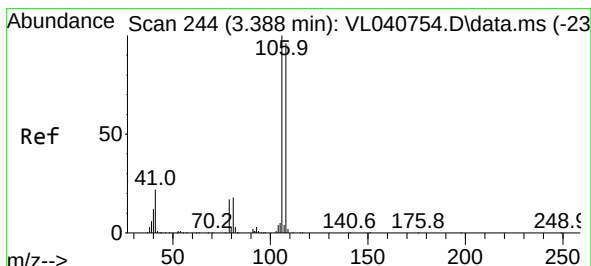
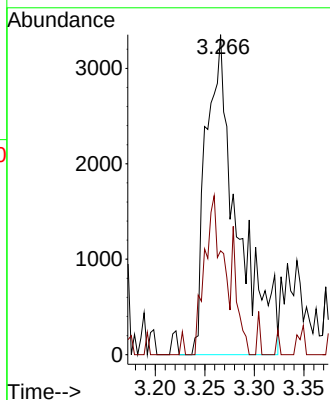
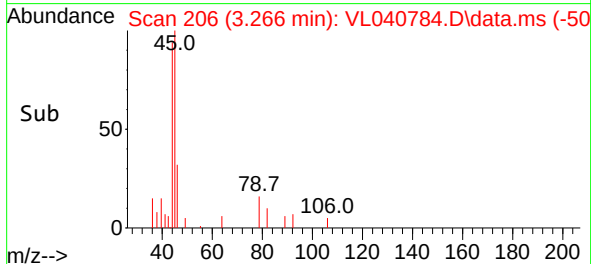
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



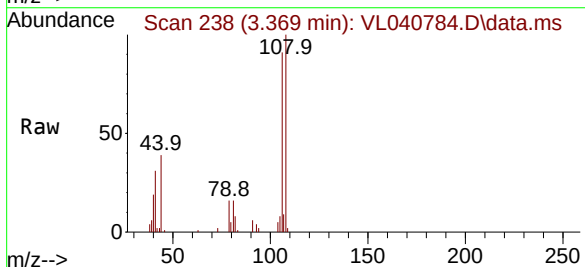
Tgt Ion: 45 Resp: 730
Ion Ratio Lower Upper
45 100
46 37.9 14.6 58.2

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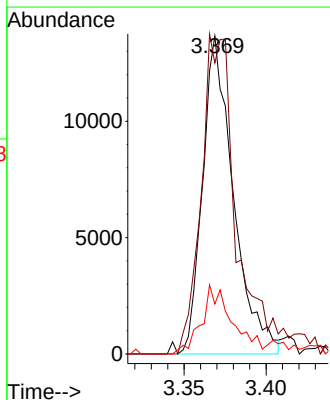
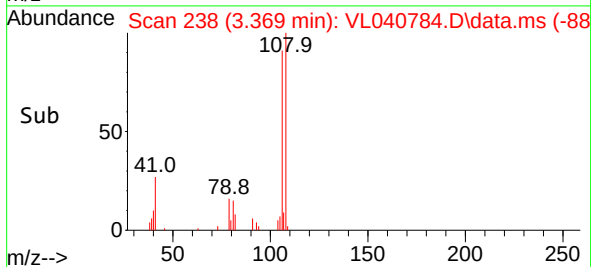
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

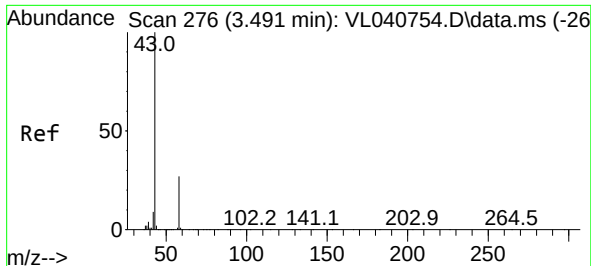


#14
Bromoethene
Concen: 0.482 ppbv
RT: 3.369 min Scan# 238
Delta R.T. -0.019 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



Tgt Ion:108 Resp: 17839
Ion Ratio Lower Upper
108 100
106 119.4 85.2 127.8
79 24.8 15.7 23.5#





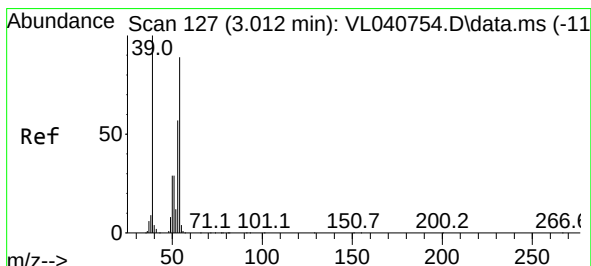
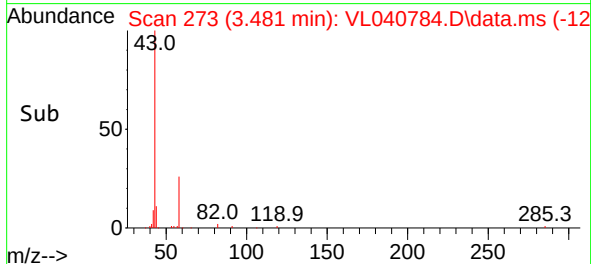
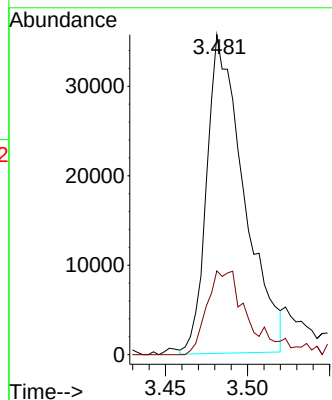
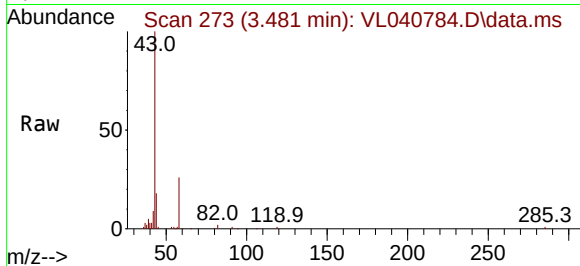
#15
Acetone
Concen: 0.609 ppbv
RT: 3.481 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion: 43 Resp: 56159
Ion Ratio Lower Upper
43 100
58 31.3 21.6 32.4

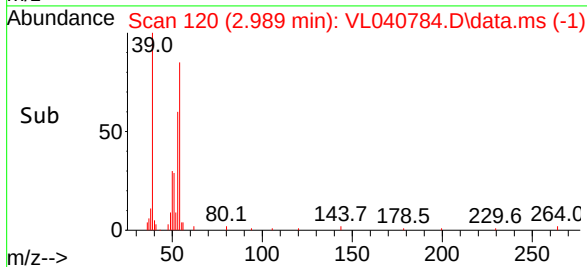
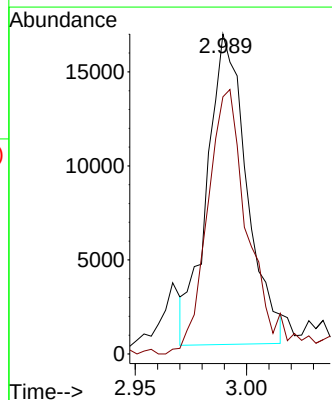
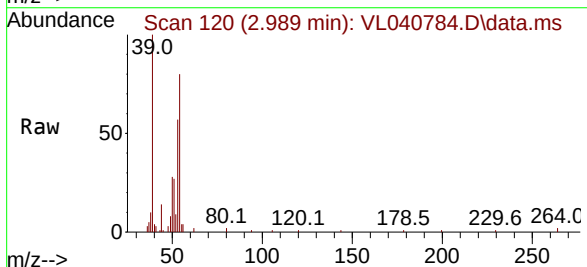
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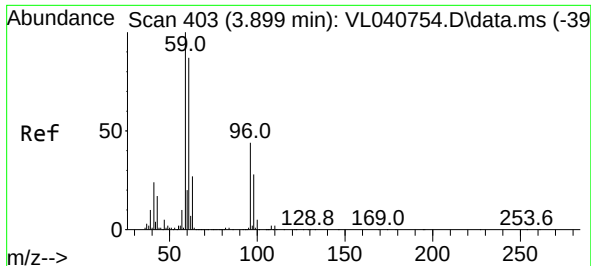
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#16
1,3-Butadiene
Concen: 0.424 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 39 Resp: 20508
Ion Ratio Lower Upper
39 100
54 95.6 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.445 ppbv

RT: 3.893 min Scan# 403

Delta R.T. -0.006 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 42080

Ion Ratio Lower Upper

59 100

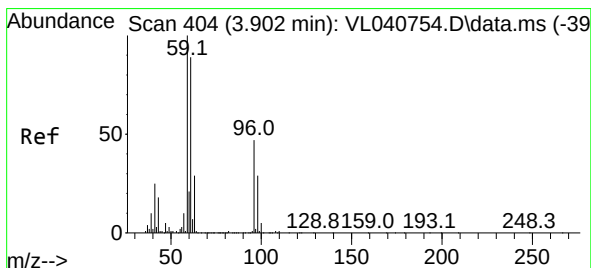
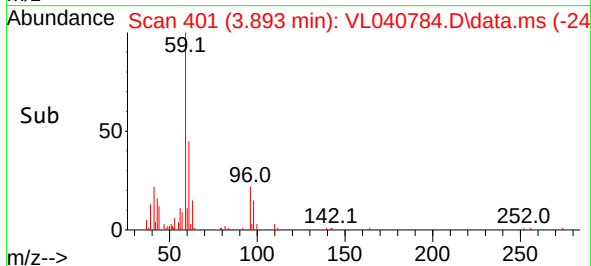
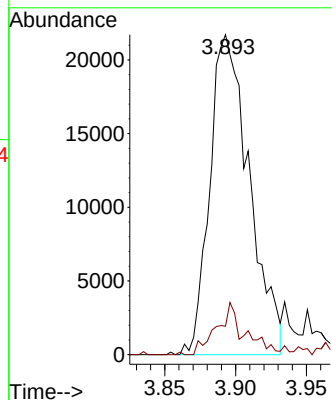
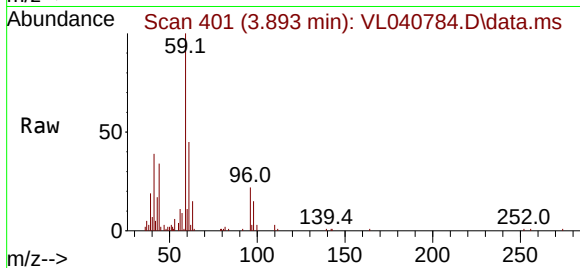
57 12.0 8.6 13.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#18

1,1-Dichloroethene

Concen: 0.508 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.022 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

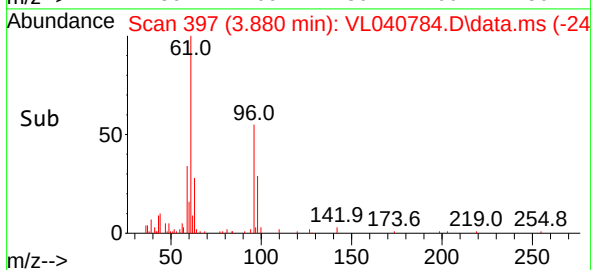
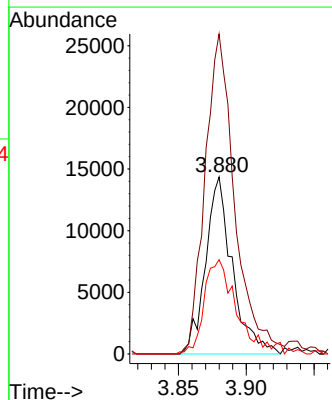
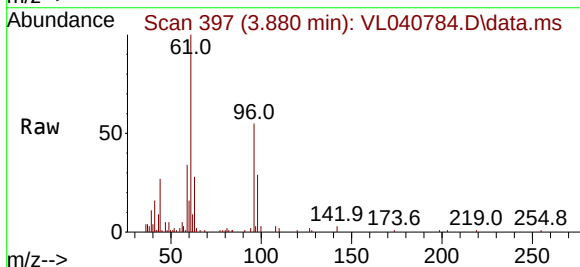
Tgt Ion: 96 Resp: 19662

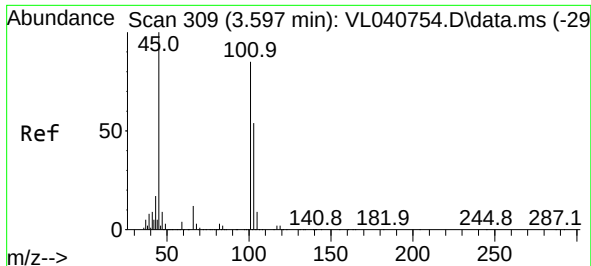
Ion Ratio Lower Upper

96 100

61 180.9 152.5 228.7

98 52.1 49.6 74.4





#19

Isopropyl Alcohol

Concen: 0.512 ppbv

RT: 3.594 min Scan# 308

Delta R.T. -0.003 min

Lab File: VL040784.D

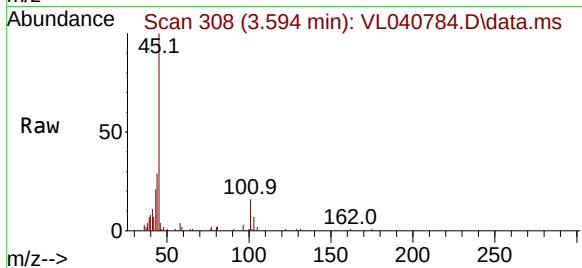
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

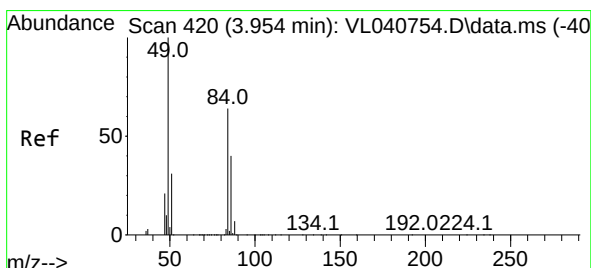
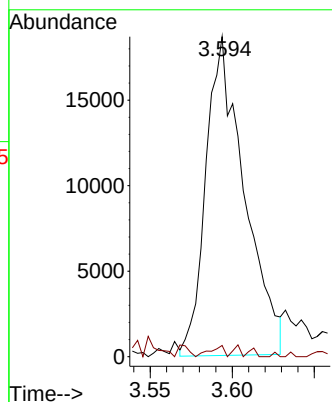
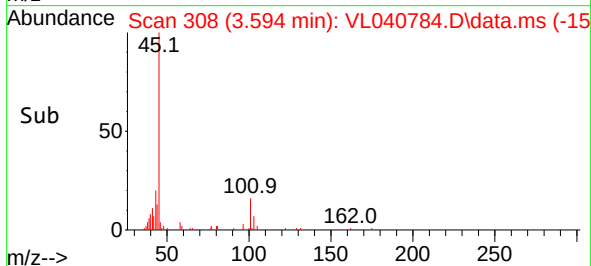


Tgt Ion:	45	Resp:	30380
Ion Ratio	Lower	Upper	
45	100		
58	3.6	30.3	45.5

Manual Integrations

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



#20

Methylene Chloride

Concen: 0.584 ppbv

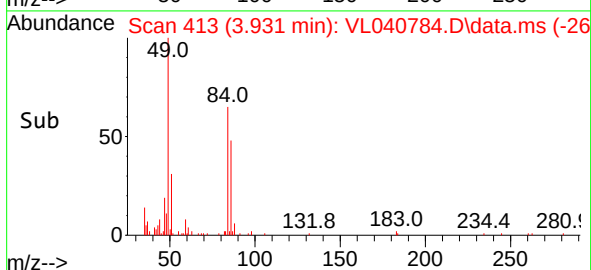
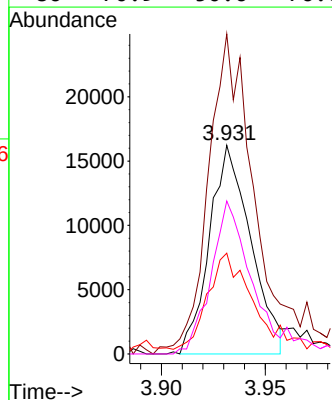
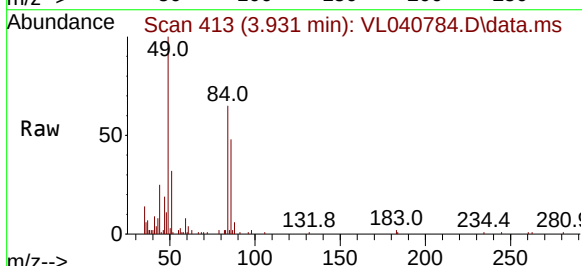
RT: 3.931 min Scan# 413

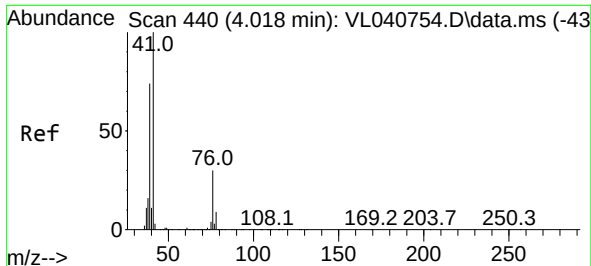
Delta R.T. -0.022 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

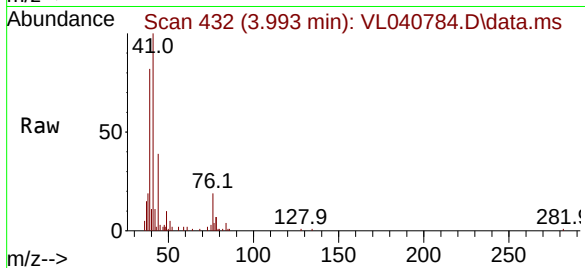
Tgt Ion:	84	Resp:	22439
Ion Ratio	Lower	Upper	
84	100		
49	146.2	125.6	188.4
51	44.7	38.9	58.3
86	70.9	50.6	76.0





#21
 Allyl Chloride
 Concen: 0.408 ppbv
 RT: 3.993 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

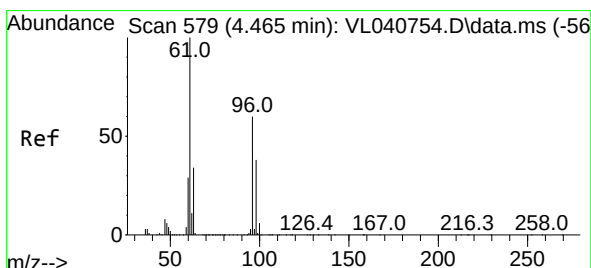
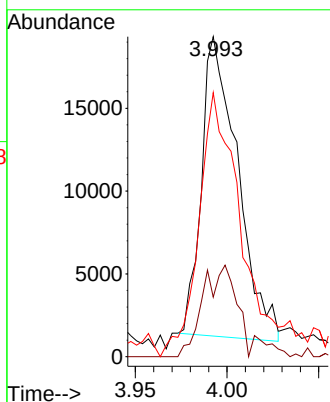
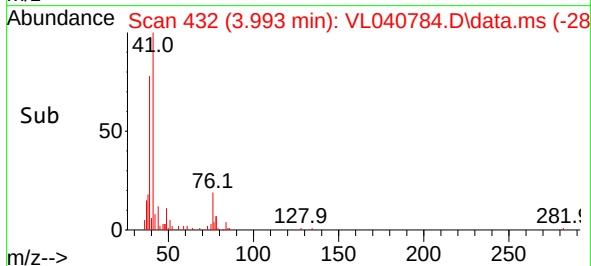
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 2479
 Ion Ratio Lower Upper
 41 100
 76 32.2 24.1 36.1
 39 113.7 63.8 95.6

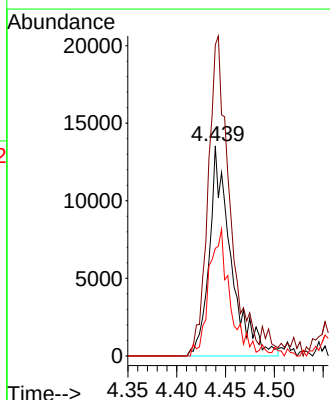
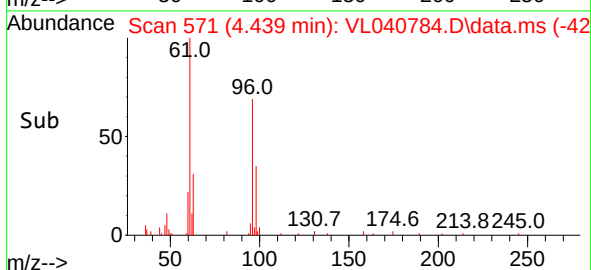
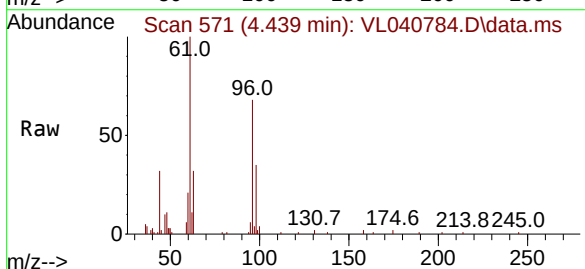
Manual Integrations
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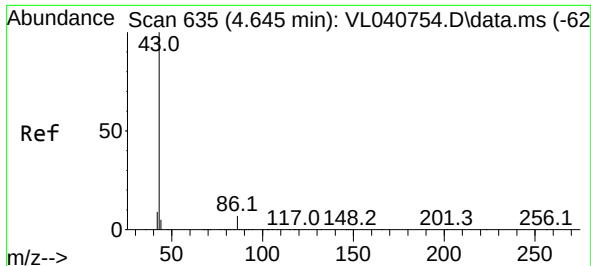
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.506 ppbv m
 RT: 4.439 min Scan# 571
 Delta R.T. -0.026 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

Tgt Ion: 96 Resp: 20872
 Ion Ratio Lower Upper
 96 100
 61 148.1 134.0 201.0
 98 51.3 51.0 76.4





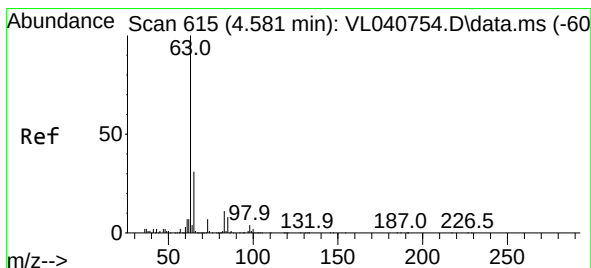
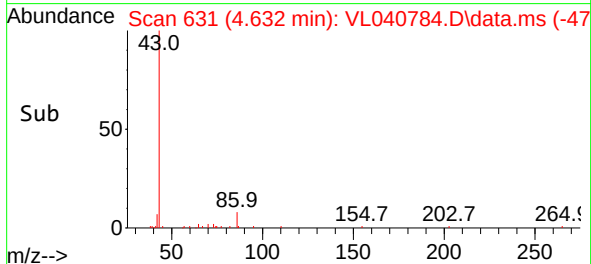
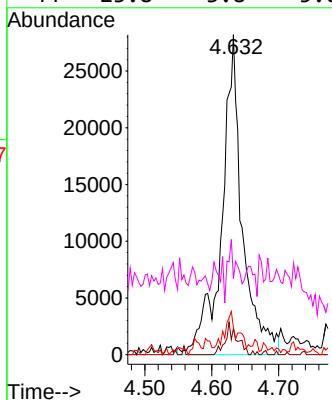
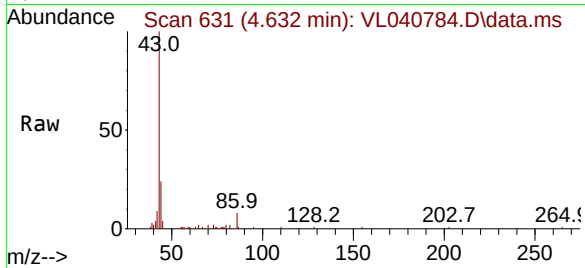
#23
 Vinyl Acetate
 Concen: 0.512 ppbv m
 RT: 4.632 min Scan# 60150
 Delta R.T. -0.013 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

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

Tgt Ion:	43	Resp:	60150
Ion	Ratio	Lower	Upper
43	100		
86	7.7	4.9	7.3
42	8.5	7.8	11.6
44	23.8	3.8	5.6

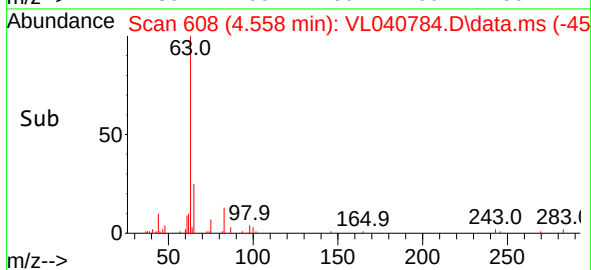
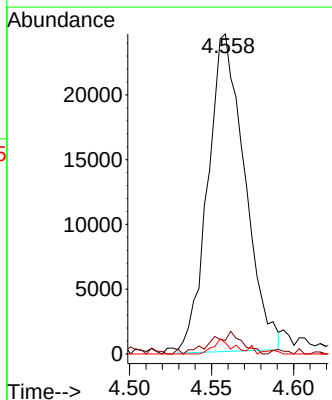
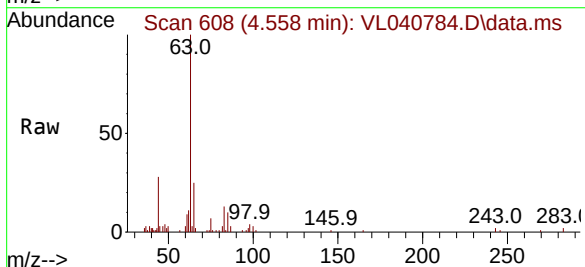
Manual Integrations
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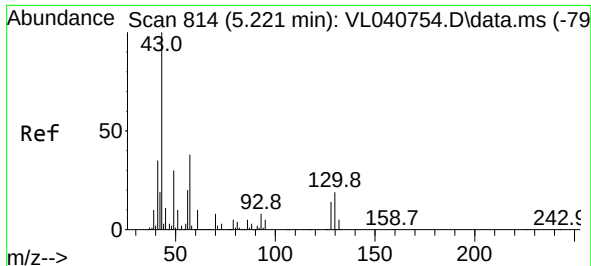
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#24
 1,1-Dichloroethane
 Concen: 0.431 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

Tgt Ion:	63	Resp:	38222
Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.0	5.8
100	3.5	1.3	3.8





#25

Ethyl Acetate

Concen: 0.486 ppbv m

RT: 5.208 min Scan# 810

Delta R.T. -0.013 min

Lab File: VL040784.D

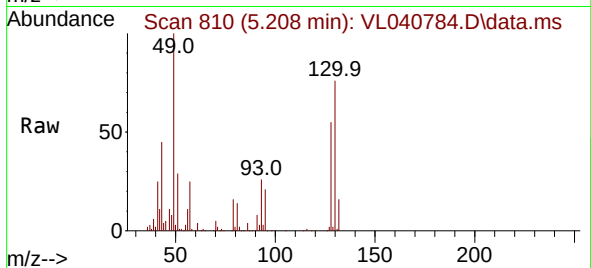
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

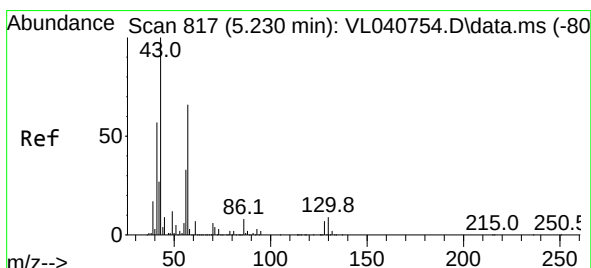
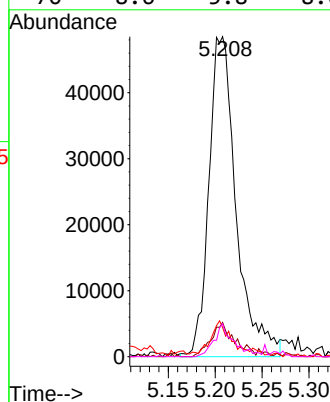
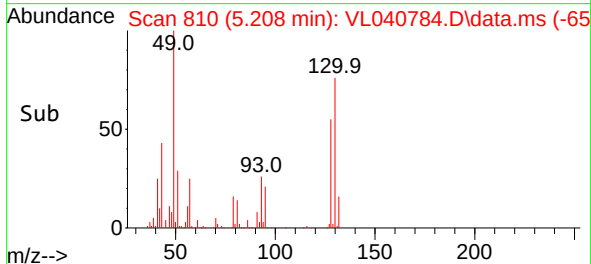
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43	Resp: 98064
Ion Ratio	Lower Upper
43	100
45	10.4 8.2 12.4
61	11.1 8.2 12.2
70	8.6 5.8 8.6

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



#26

Hexane

Concen: 0.505 ppbv

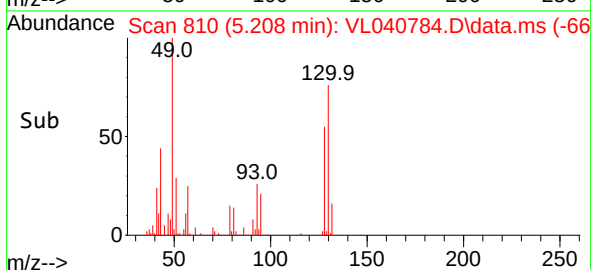
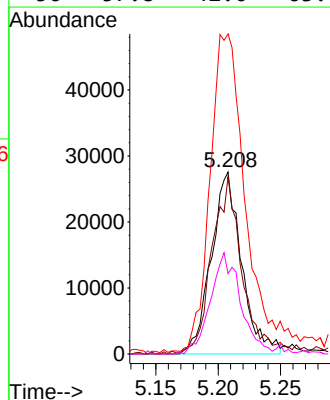
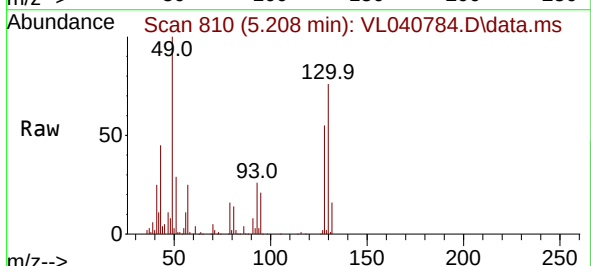
RT: 5.208 min Scan# 810

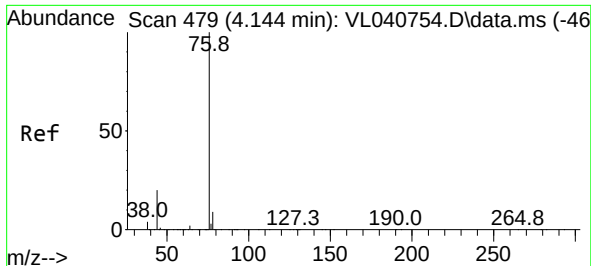
Delta R.T. -0.022 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

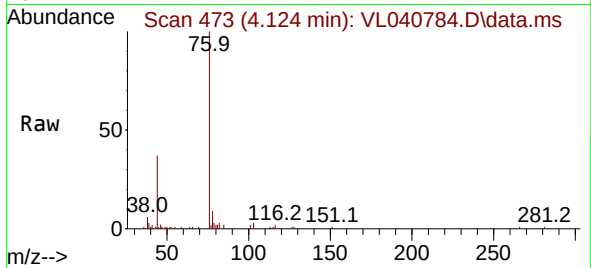
Tgt Ion: 57	Resp: 46605
Ion Ratio	Lower Upper
57	100
41	101.8 71.4 107.2
43	213.8 182.3 273.5
56	57.8 42.0 63.0





#27
Carbon Disulfide
Concen: 0.401 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

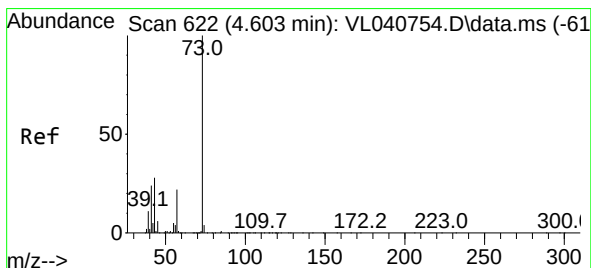
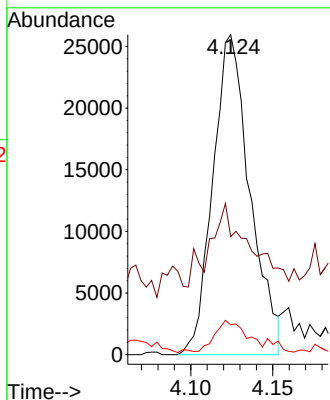
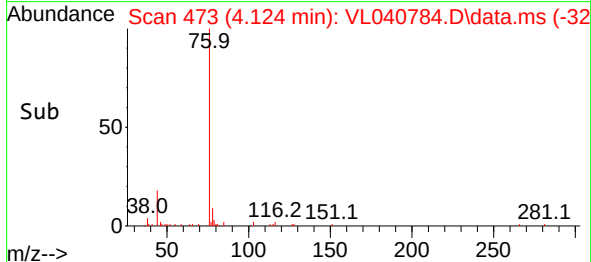
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 4079
Ion Ratio Lower Upper
76 100
44 33.7 16.6 25.0
78 12.2 7.8 11.6

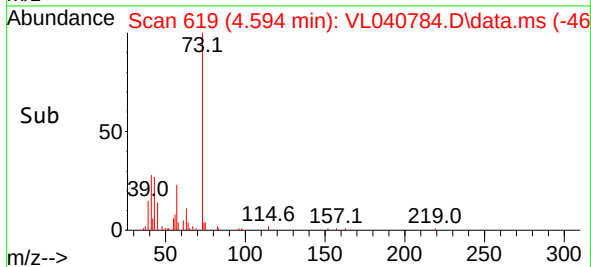
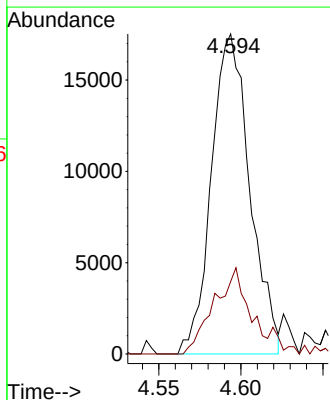
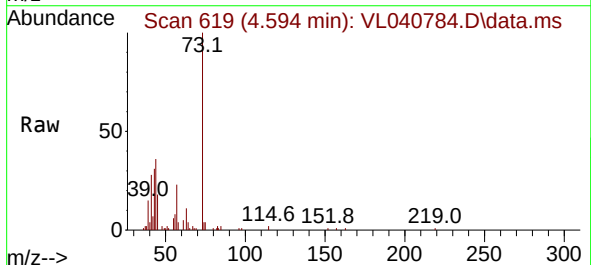
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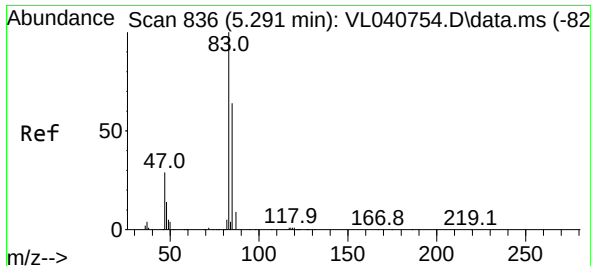
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#28
Methyl tert-Butyl Ether
Concen: 0.398 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.010 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 73 Resp: 28555
Ion Ratio Lower Upper
73 100
57 27.1 18.9 28.3





#29

Chloroform

Concen: 0.490 ppbv

RT: 5.263 min Scan# 81

Delta R.T. -0.029 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 65489

Ion Ratio Lower Upper

83 100

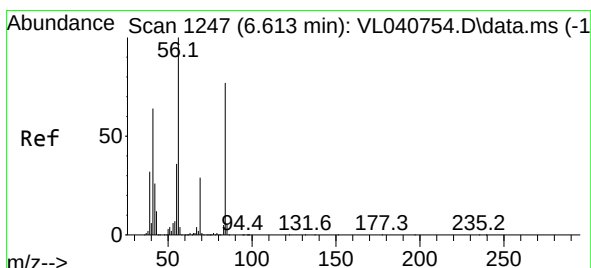
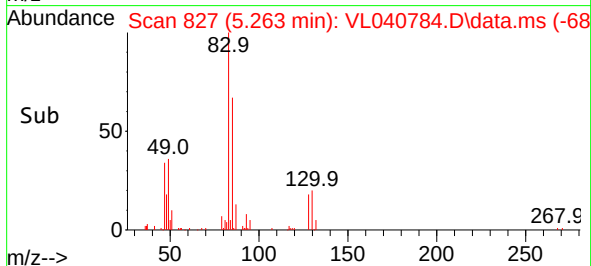
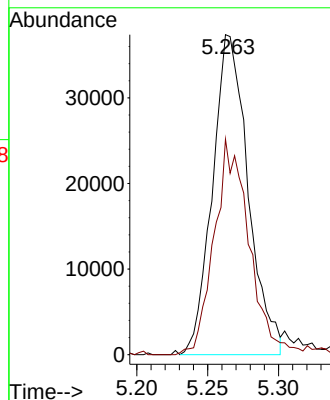
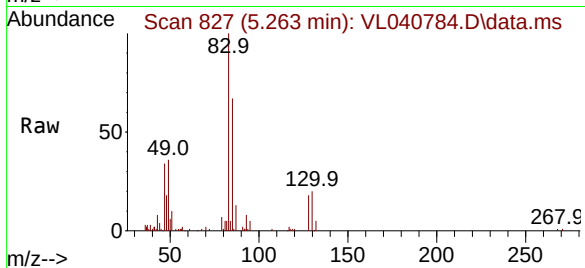
85 66.8 51.3 76.9

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#30

Cyclohexane

Concen: 0.467 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.019 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

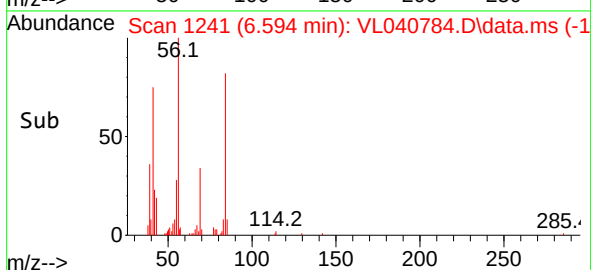
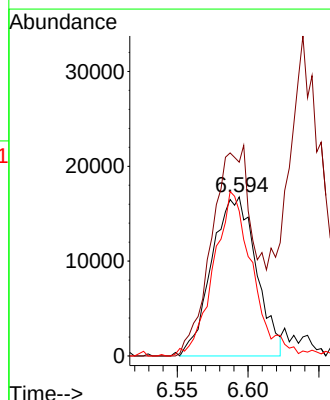
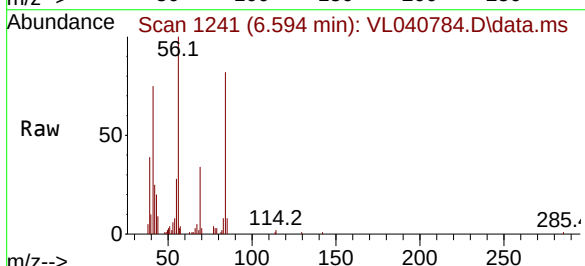
Tgt Ion: 84 Resp: 36647

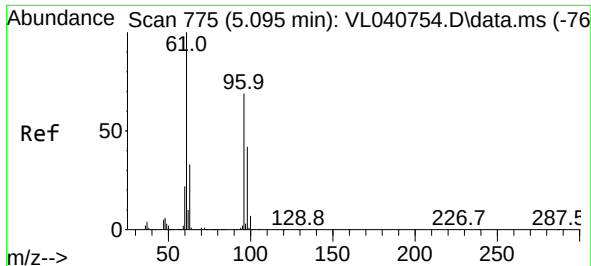
Ion Ratio Lower Upper

84 100

56 125.0 110.3 165.5

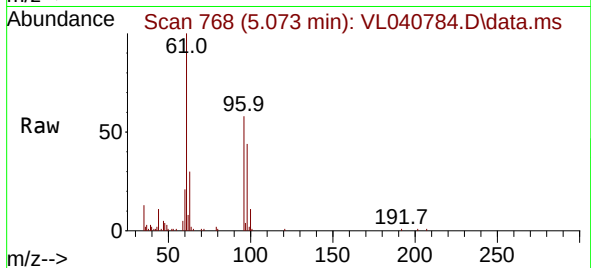
41 92.2 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.459 ppbv
 RT: 5.073 min Scan# 70
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

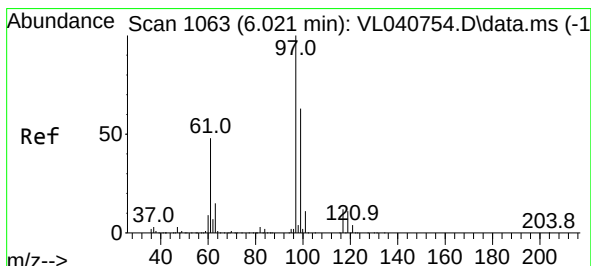
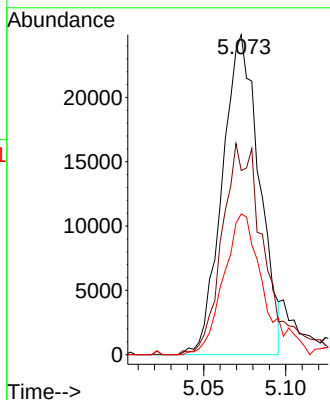
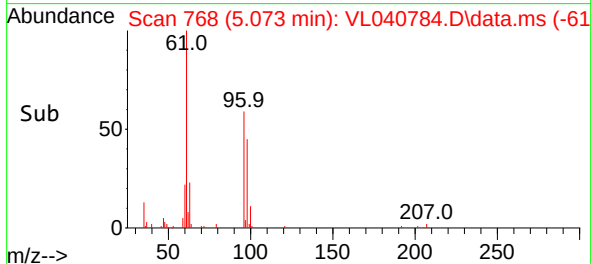
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 3903
 Ion Ratio Lower Upper
 61 100
 96 57.6 55.1 82.7
 98 44.0 33.5 50.3

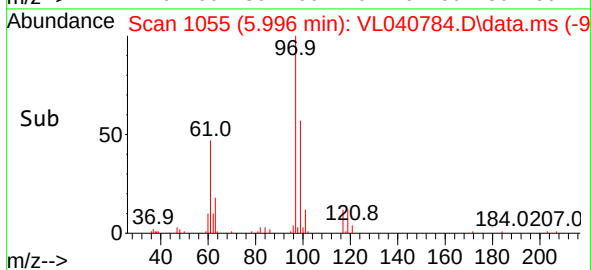
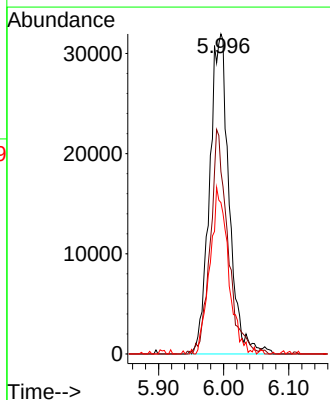
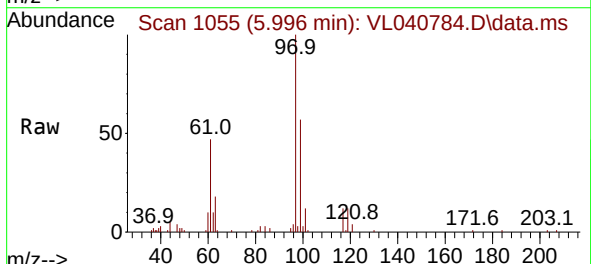
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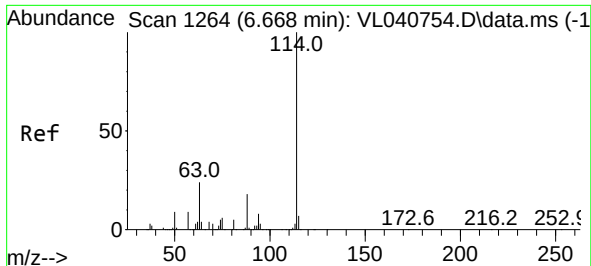
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.469 ppbv m
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.026 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

Tgt Ion: 97 Resp: 66653
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.8 77.6
 61 49.6 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: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 253247

Ion Ratio Lower Upper

114 100

63 23.8 19.8 29.6

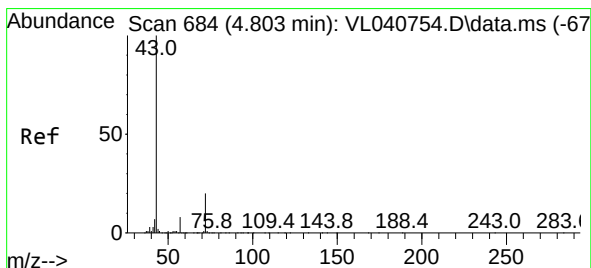
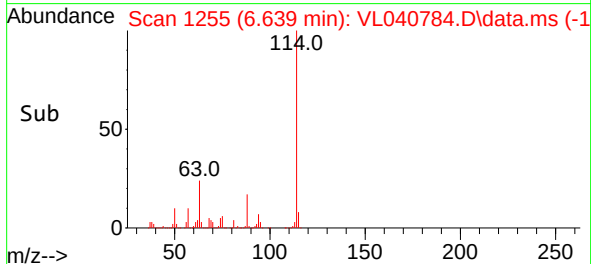
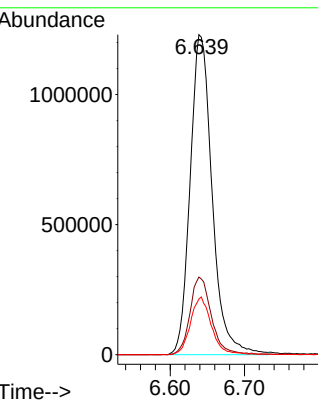
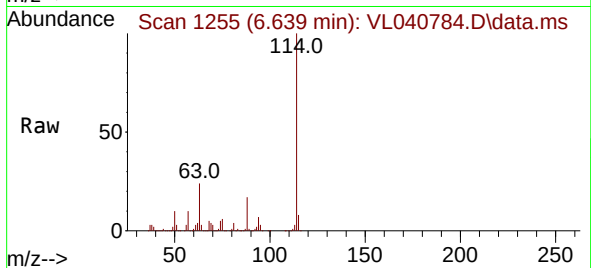
88 17.4 14.2 21.2

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#34

2-Butanone

Concen: 0.564 ppbv m

RT: 4.800 min Scan# 683

Delta R.T. -0.003 min

Lab File: VL040784.D

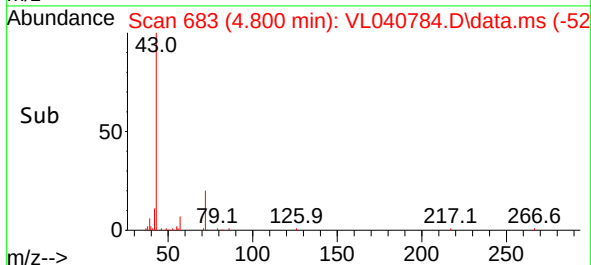
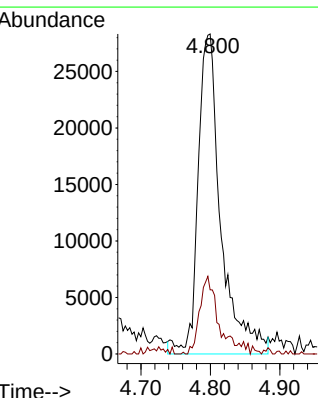
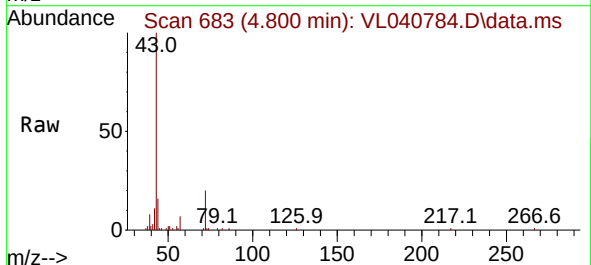
Acq: 23 Oct 2023 18:36

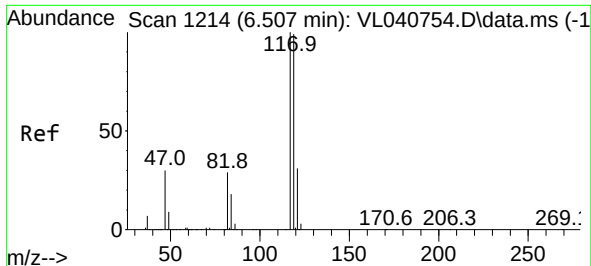
Tgt Ion: 43 Resp: 64600

Ion Ratio Lower Upper

43 100

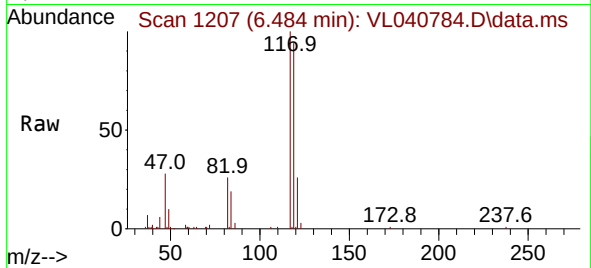
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.437 ppbv
RT: 6.484 min Scan# 117
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

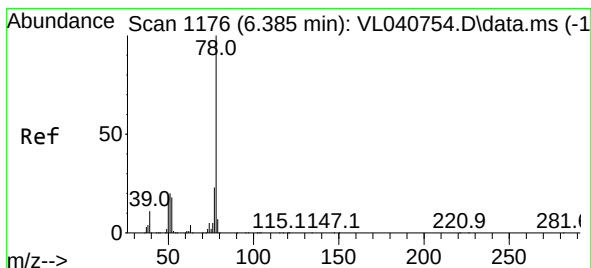
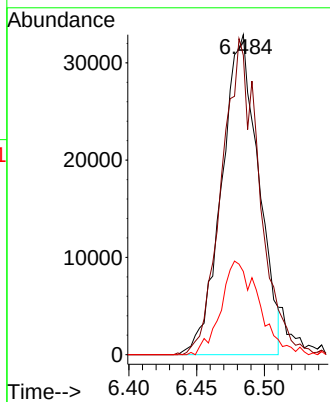
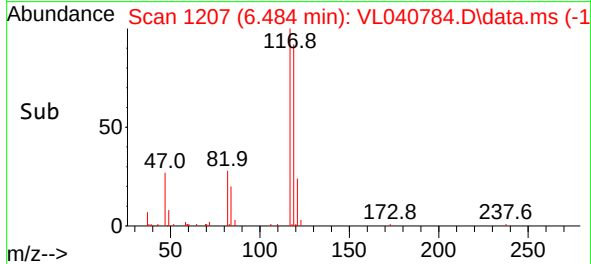
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



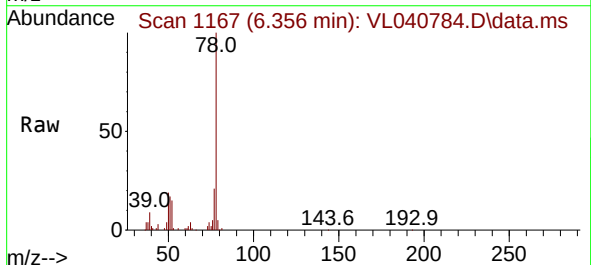
Tgt Ion:117 Resp: 62124
Ion Ratio Lower Upper
117 100
119 93.0 79.4 119.0
121 26.0 25.0 37.4

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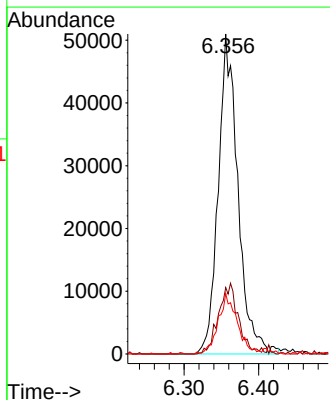
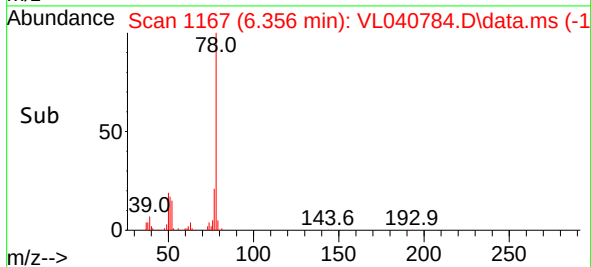
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

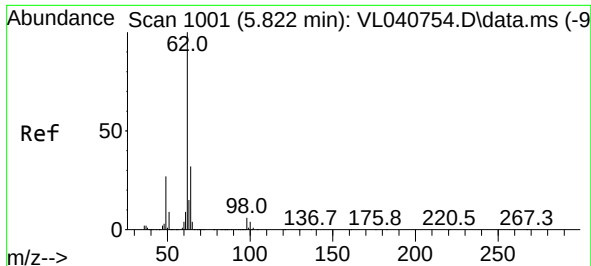


#36
Benzene
Concen: 0.480 ppbv m
RT: 6.356 min Scan# 1167
Delta R.T. -0.029 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



Tgt Ion: 78 Resp: 93535
Ion Ratio Lower Upper
78 100
77 20.7 18.4 27.6
50 18.9 15.0 22.4





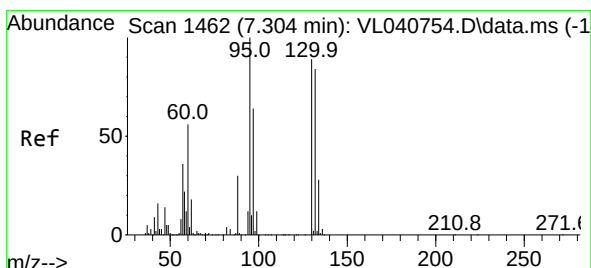
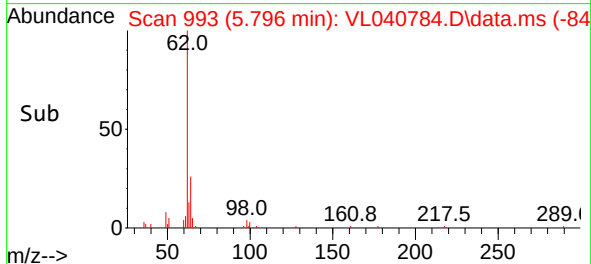
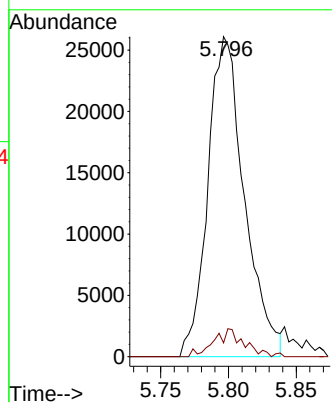
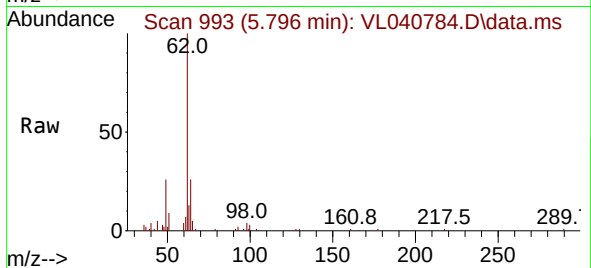
#37
1,2-Dichloroethane
Concen: 0.490 ppbv
RT: 5.796 min Scan# 91
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion: 62 Resp: 4886
Ion Ratio Lower Upper
62 100
98 7.3 5.4 8.0

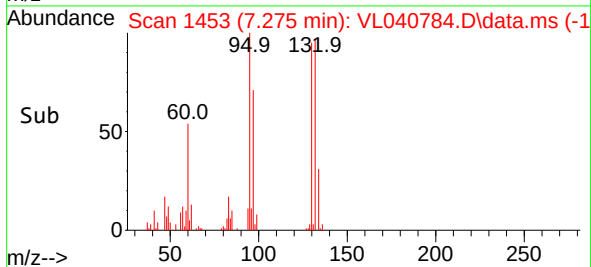
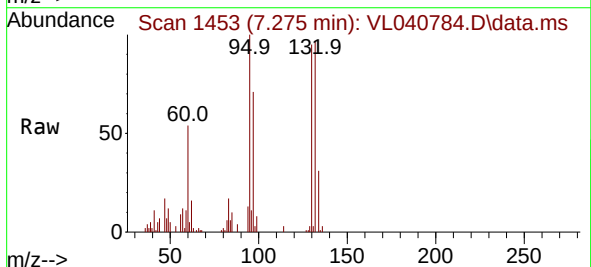
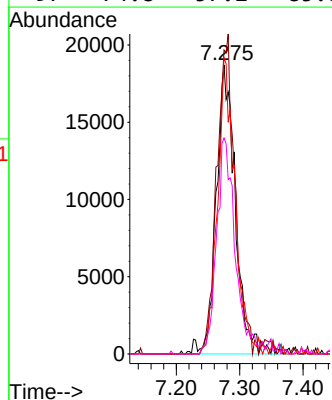
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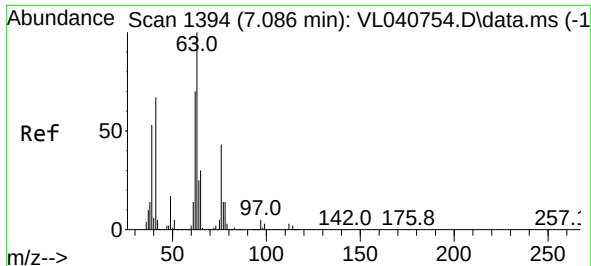
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#38
Trichloroethene
Concen: 0.455 ppbv m
RT: 7.275 min Scan# 1453
Delta R.T. -0.029 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion:130 Resp: 39238
Ion Ratio Lower Upper
130 100
95 105.2 89.4 134.2
132 102.5 74.8 112.2
97 74.8 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.450 ppbv

RT: 7.063 min Scan# 1394

Delta R.T. -0.022 min

Lab File: VL040784.D

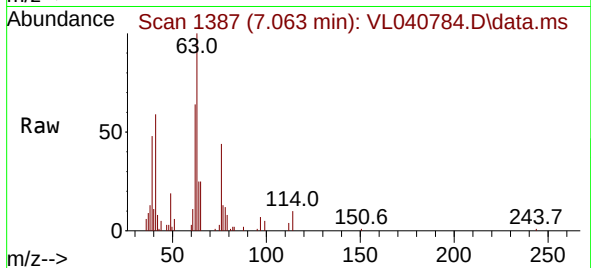
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion: 63 Resp: 34260

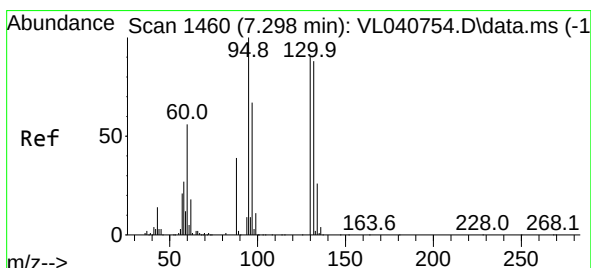
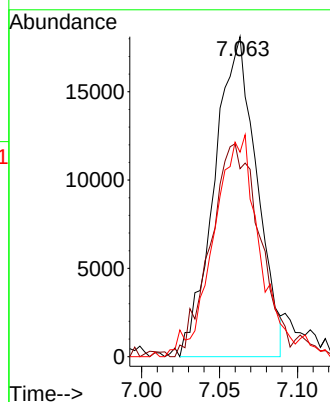
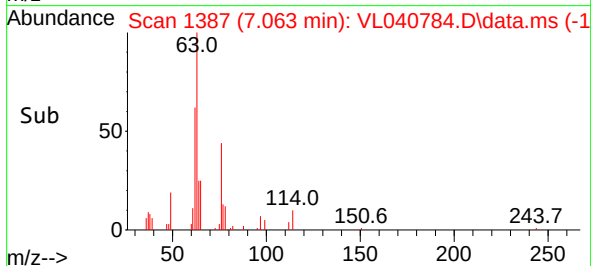
Ion	Ratio	Lower	Upper
63	100		
41	55.1	53.7	80.5
62	55.6	55.7	83.5

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Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#40

1,4-Dioxane

Concen: 0.589 ppbv m

RT: 7.307 min Scan# 1463

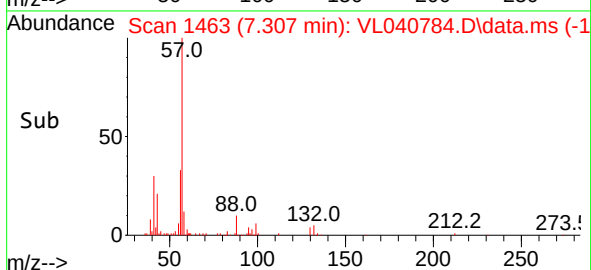
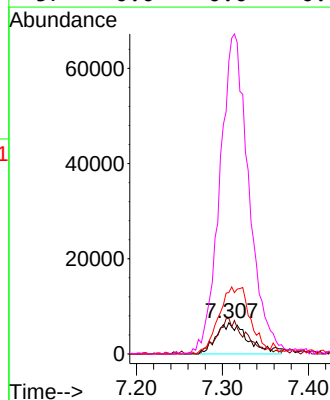
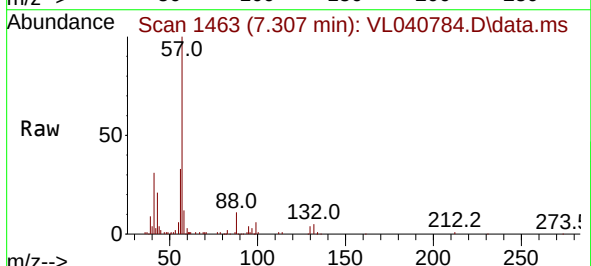
Delta R.T. 0.010 min

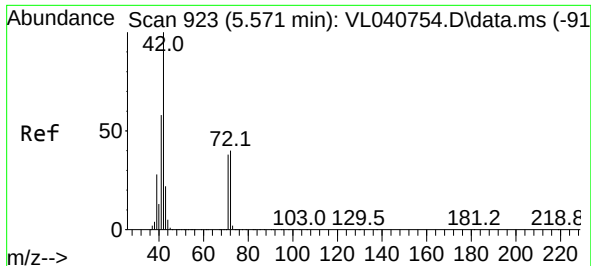
Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Tgt Ion: 88 Resp: 16968

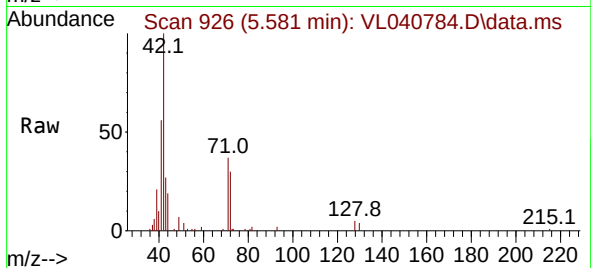
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.483 ppbv m
RT: 5.581 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

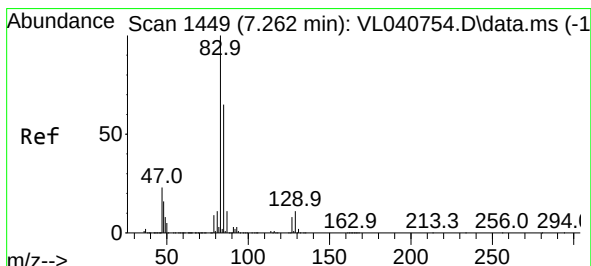
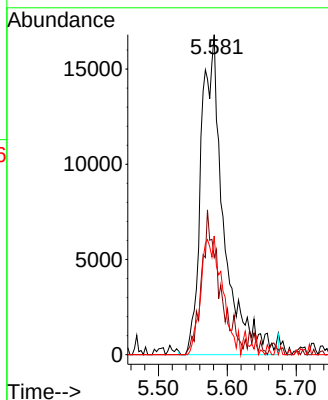
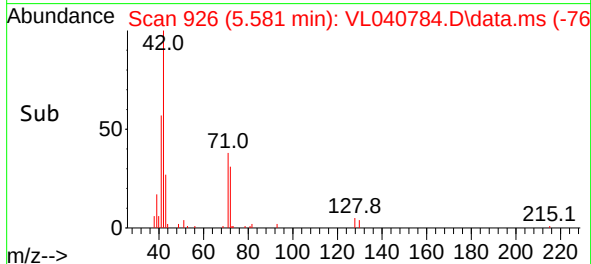
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



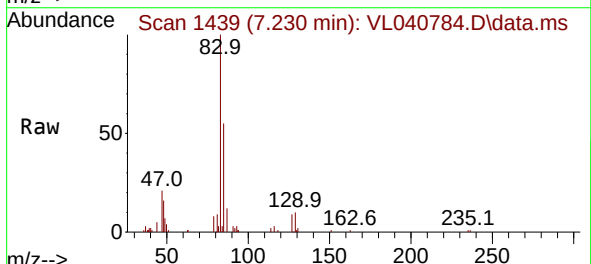
Tgt Ion: 42 Resp: 38300
Ion Ratio Lower Upper
42 100
72 36.7 31.1 46.7
71 0.0 29.7 44.5

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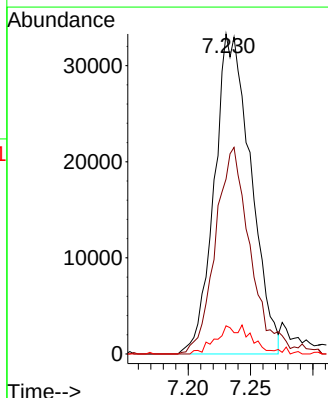
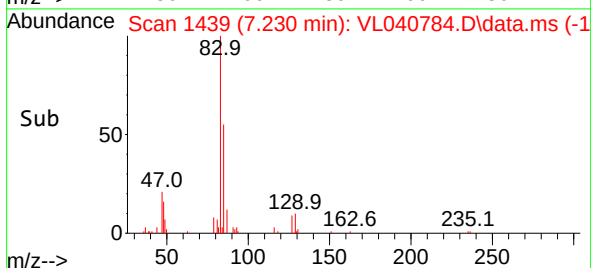
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

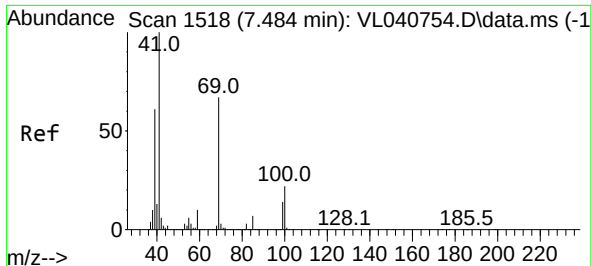


#42
Bromodichloromethane
Concen: 0.454 ppbv
RT: 7.230 min Scan# 1439
Delta R.T. -0.032 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



Tgt Ion: 83 Resp: 67812
Ion Ratio Lower Upper
83 100
85 54.7 52.1 78.1
127 8.8 6.7 10.1





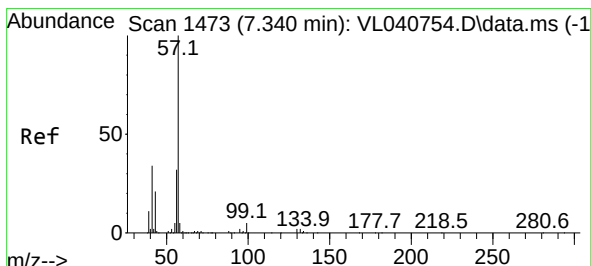
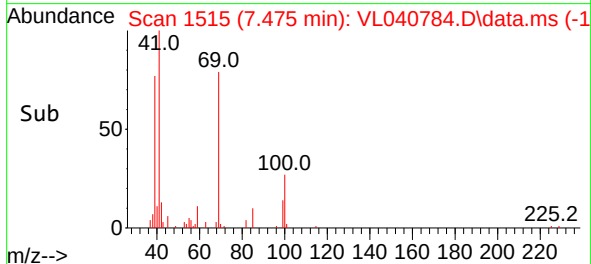
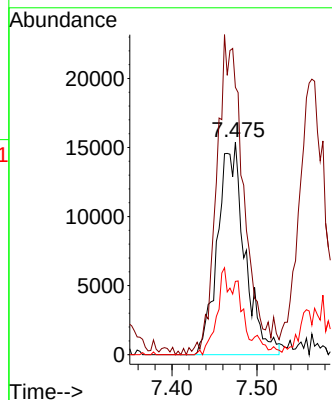
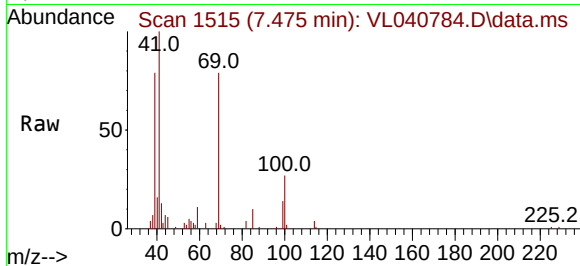
#43
Methyl Methacrylate
Concen: 0.436 ppbv m
RT: 7.475 min Scan# 1465
Delta R.T. -0.010 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion: 69 Resp: 34034
Ion Ratio Lower Upper
69 100
41 151.6 120.6 181.0
100 36.9 27.1 40.7

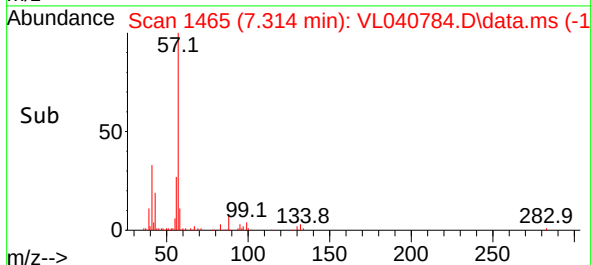
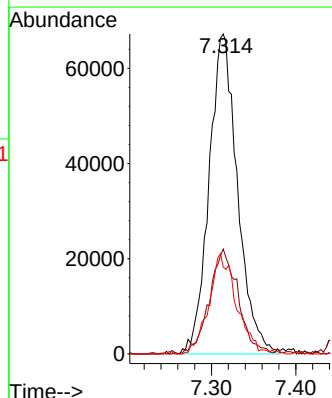
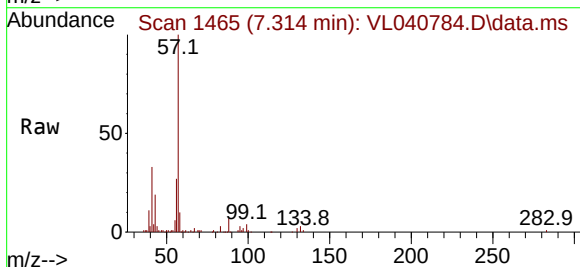
Manual Integrations
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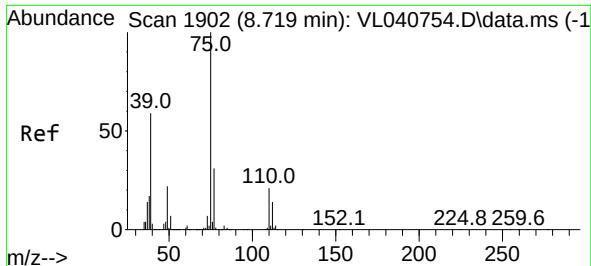
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#44
2,2,4-Trimethylpentane
Concen: 0.479 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 57 Resp: 157885
Ion Ratio Lower Upper
57 100
41 33.8 27.4 41.0
56 30.8 25.0 37.6





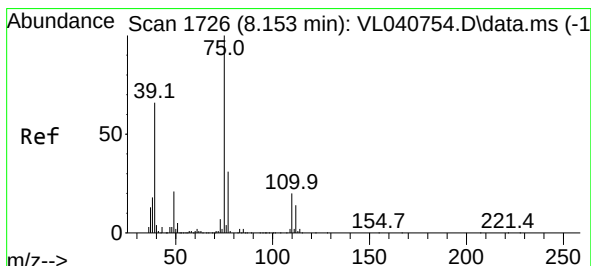
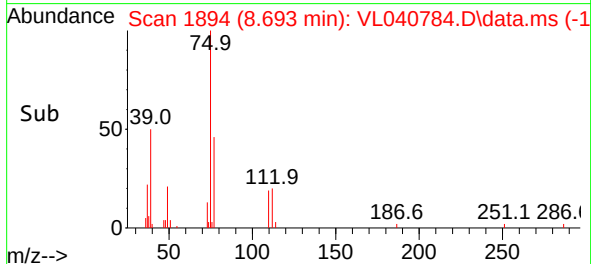
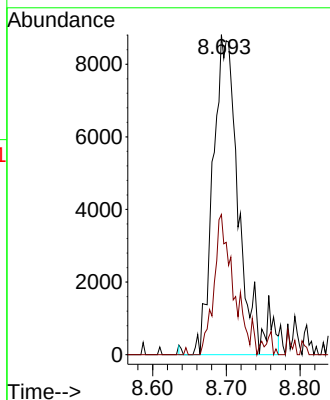
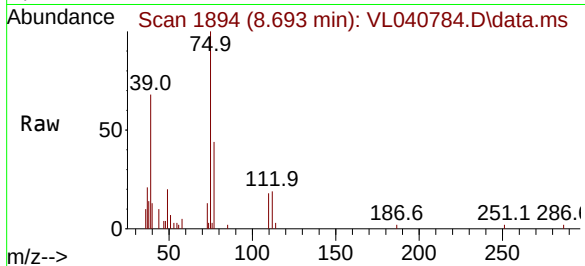
#45
 t-1,3-Dichloropropene
 Concen: 0.345 ppbv
 RT: 8.693 min Scan# 1719
 Delta R.T. -0.026 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

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

Tgt Ion: 75 Resp: 21470
 Ion Ratio Lower Upper
 75 100
 77 43.8 24.9 37.3

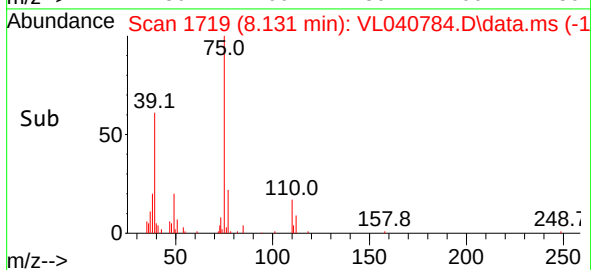
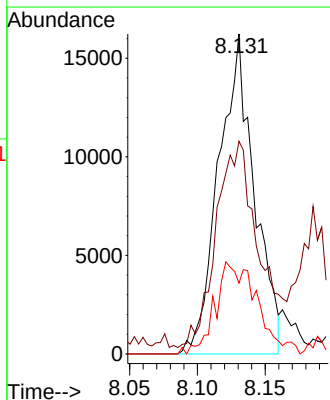
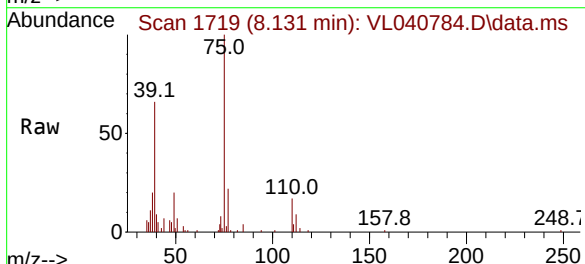
Manual Integrations
 APPROVED

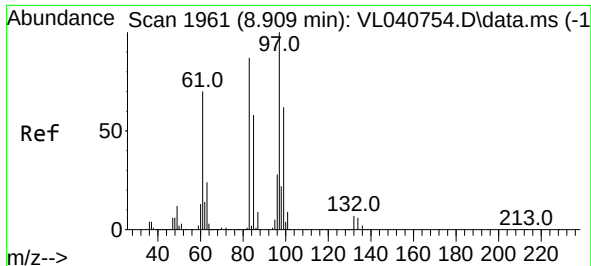
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.391 ppbv
 RT: 8.131 min Scan# 1719
 Delta R.T. -0.022 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

Tgt Ion: 75 Resp: 29681
 Ion Ratio Lower Upper
 75 100
 39 64.5 52.4 78.6
 77 22.1 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.476 ppbv m

RT: 8.877 min Scan# 1961

Delta R.T. -0.032 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

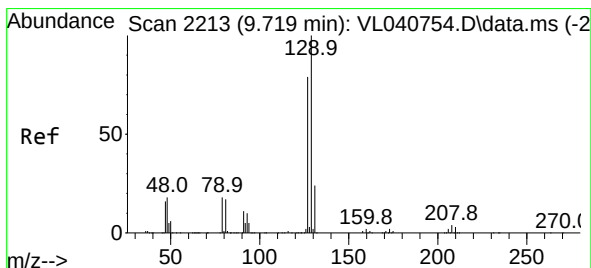
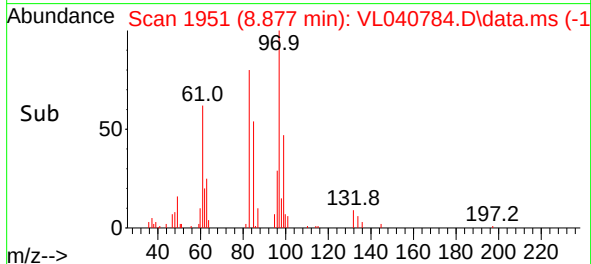
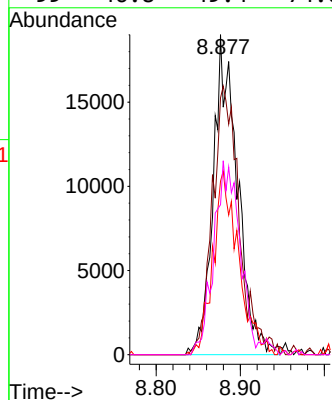
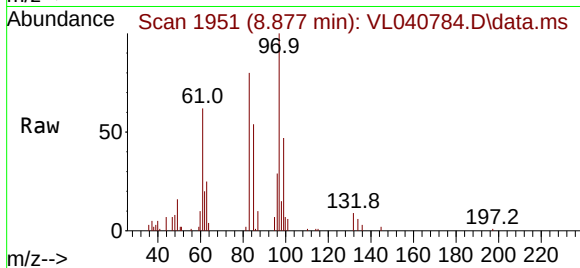
MDL-AIR-03-QT4-2023DL

Tgt Ion: 97	Resp: 38030
Ion Ratio	Lower Upper
97 100	
83 80.3	69.5 104.3
85 54.2	46.6 69.8
99 46.8	49.4 74.0

Manual Integrations

APPROVED

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



#48

Dibromochloromethane

Concen: 0.401 ppbv

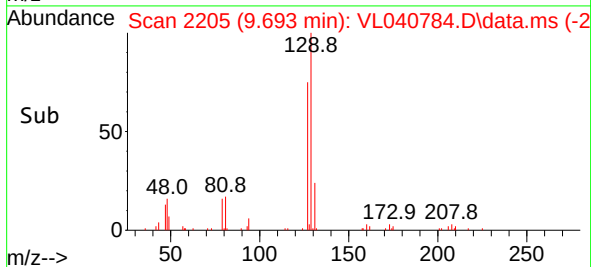
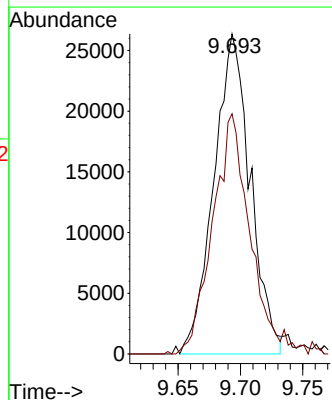
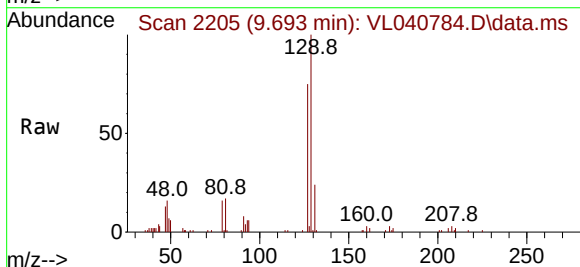
RT: 9.693 min Scan# 2205

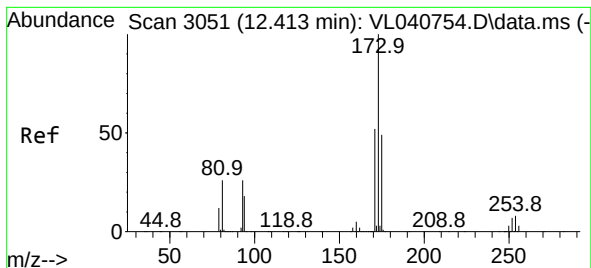
Delta R.T. -0.026 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Tgt Ion:129	Resp: 53675
Ion Ratio	Lower Upper
129 100	
127 78.4	39.1 117.3





#49

Bromoform

Concen: 0.350 ppbv

RT: 12.388 min Scan# 3051

Delta R.T. -0.026 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

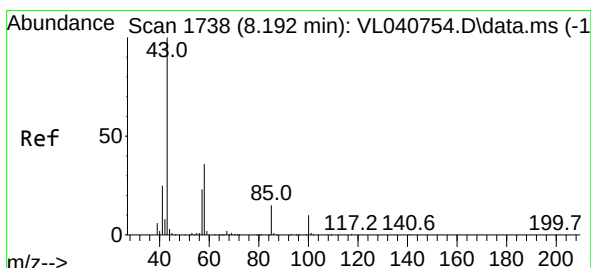
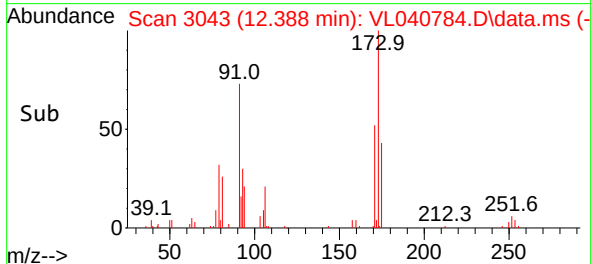
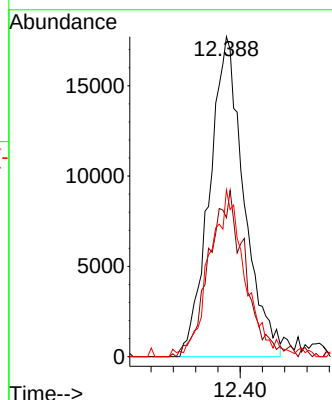
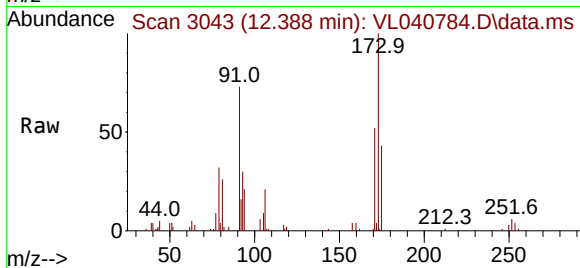
MDL-AIR-03-QT4-2023DL

Tgt Ion:	173	Resp:	3816
Ion Ratio	Lower	Upper	
173	100		
175	55.0	39.2	58.8
171	54.7	42.0	63.0

Manual Integrations

APPROVED

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



#50

4-Methyl-2-Pentanone

Concen: 0.438 ppbv

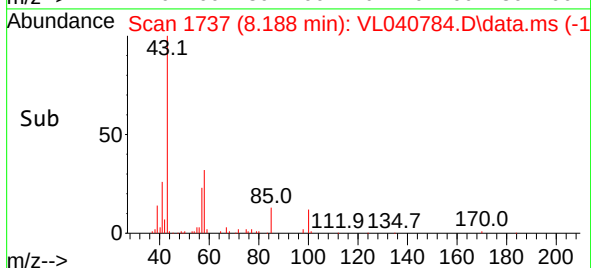
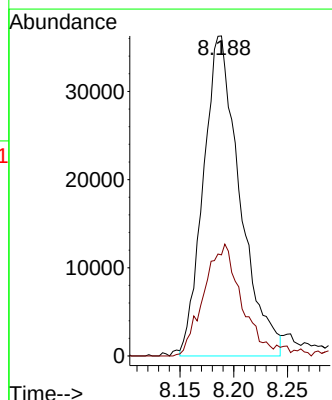
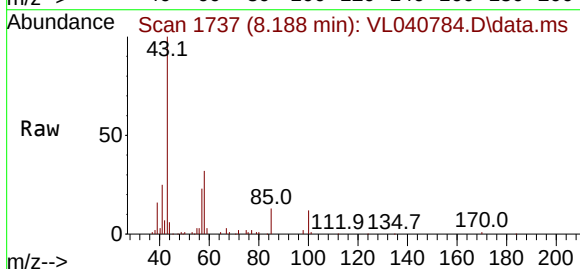
RT: 8.188 min Scan# 1737

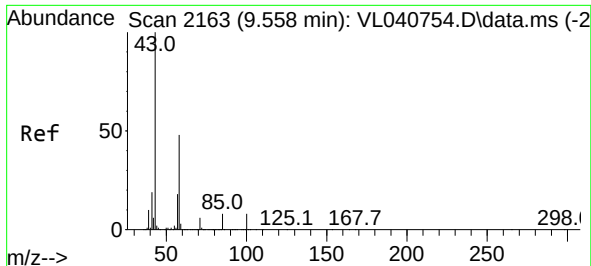
Delta R.T. -0.003 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

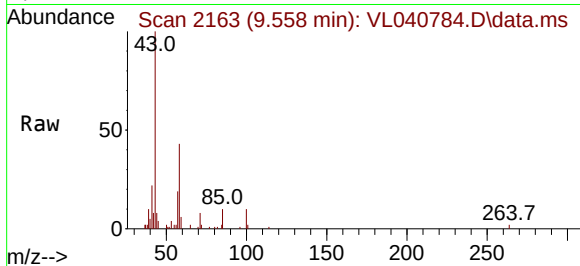
Tgt Ion:	43	Resp:	85907
Ion Ratio	Lower	Upper	
43	100		
58	37.9	28.8	43.2





#51
2-Hexanone
Concen: 0.429 ppbv m
RT: 9.558 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

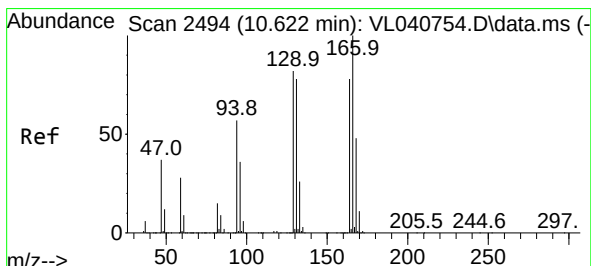
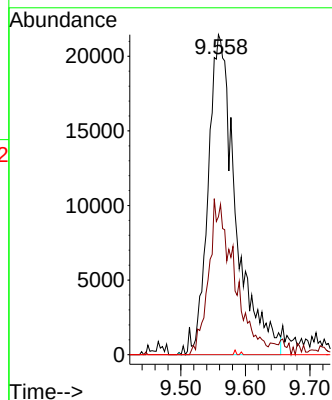
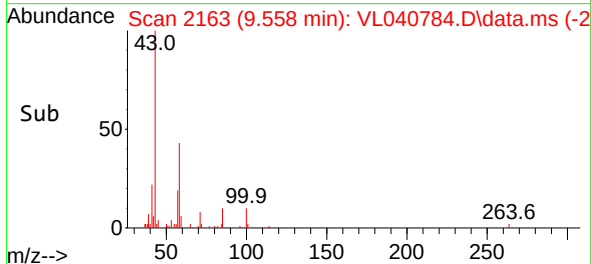
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



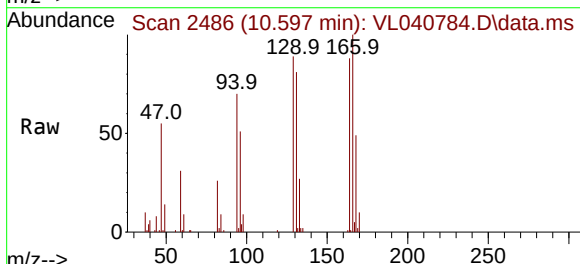
Tgt Ion: 43 Resp: 64059
Ion Ratio Lower Upper
43 100
58 44.9 38.6 58.0
98 0.0 0.0 0.0

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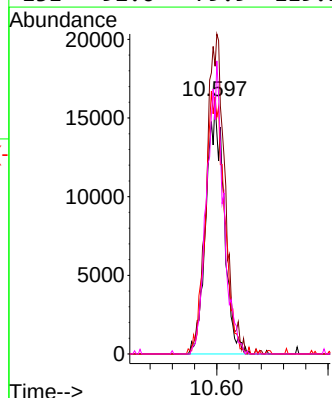
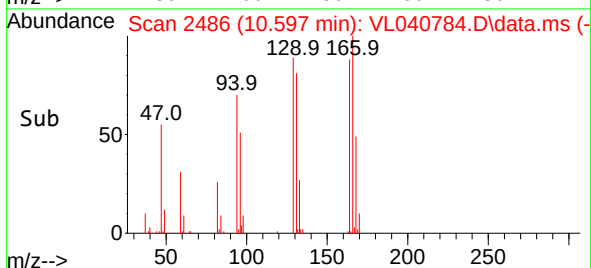
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

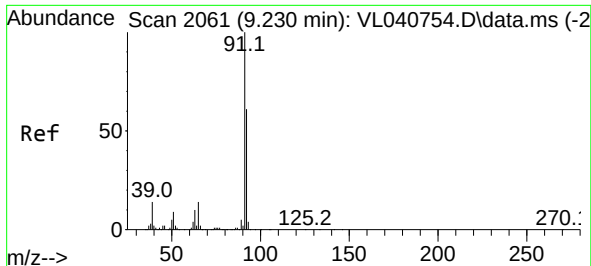


#52
Tetrachloroethene
Concen: 0.452 ppbv m
RT: 10.597 min Scan# 2486
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



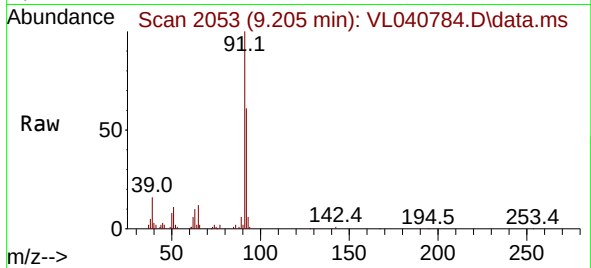
Tgt Ion:164 Resp: 35794
Ion Ratio Lower Upper
164 100
166 113.7 102.4 153.6
129 101.7 84.2 126.4
131 92.6 79.9 119.9





#53
Toluene
Concen: 0.447 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

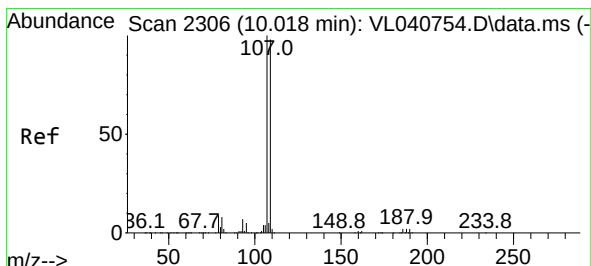
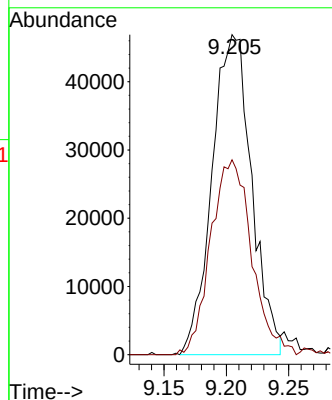
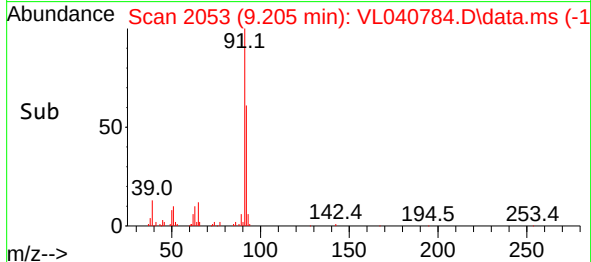
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 91 Resp: 103690
Ion Ratio Lower Upper
91 100
92 63.8 50.2 75.2

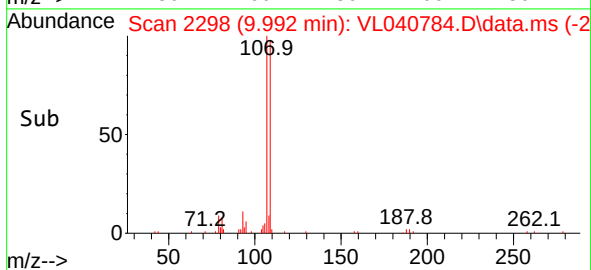
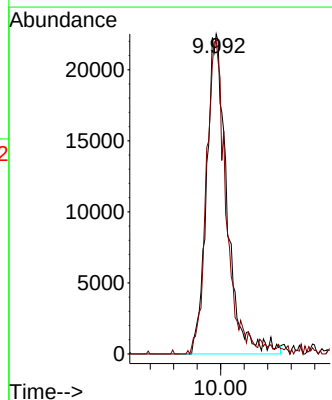
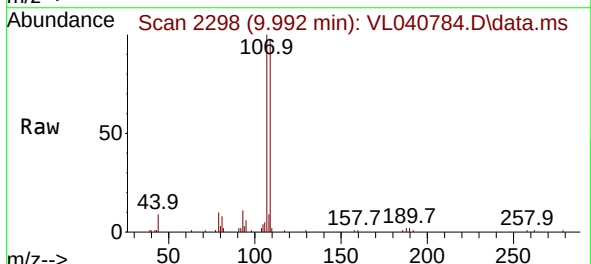
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APPROVED

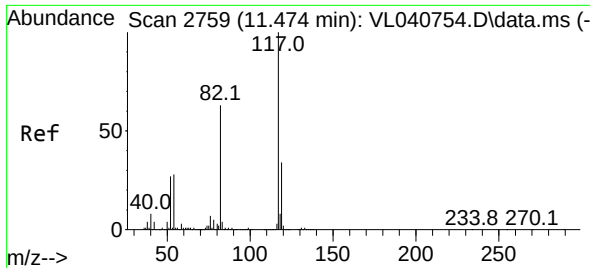
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#54
1,2-Dibromoethane
Concen: 0.486 ppbv m
RT: 9.992 min Scan# 2298
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

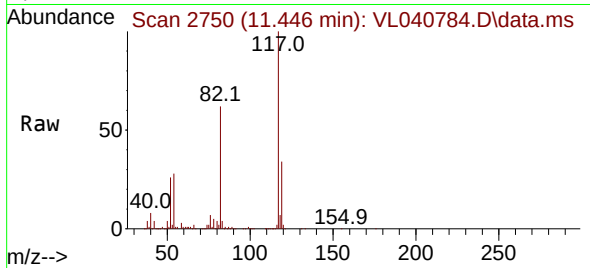
Tgt Ion:107 Resp: 54474
Ion Ratio Lower Upper
107 100
109 98.2 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 11.446 min Scan# 2111
Delta R.T. -0.029 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

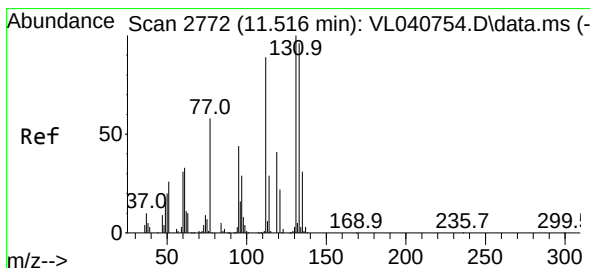
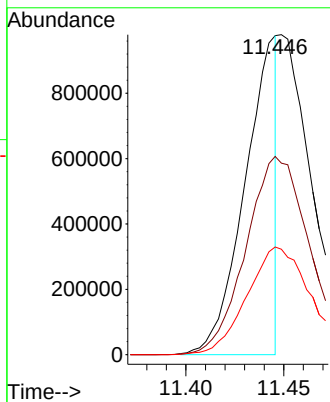
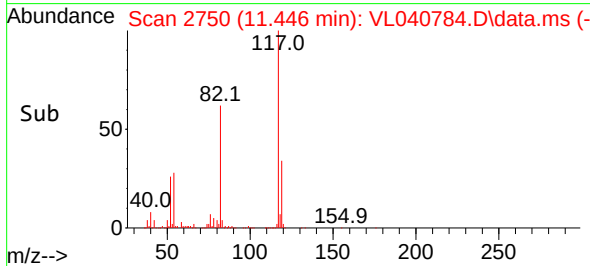
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:117 Resp: 1111208
Ion Ratio Lower Upper
117 100
82 127.3 46.6 70.0#
119 71.4 26.0 39.0#

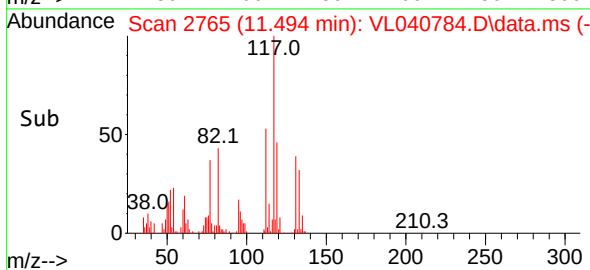
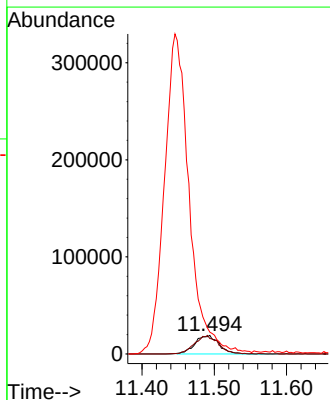
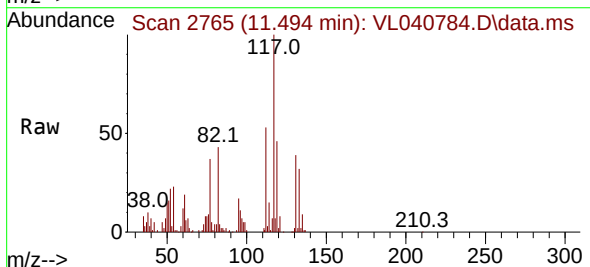
Manual Integrations
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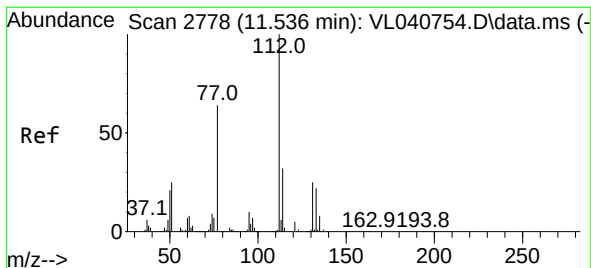
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.961 ppbv m
RT: 11.494 min Scan# 2765
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion:131 Resp: 43596
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6#
119 0.0 45.4 68.0#





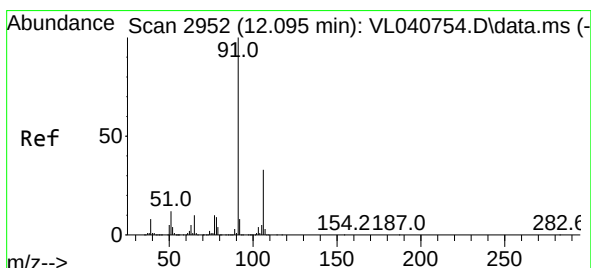
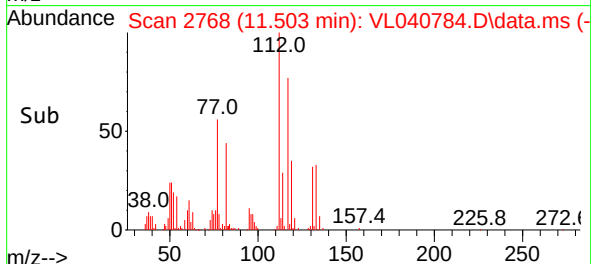
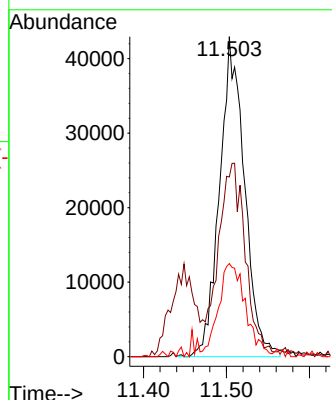
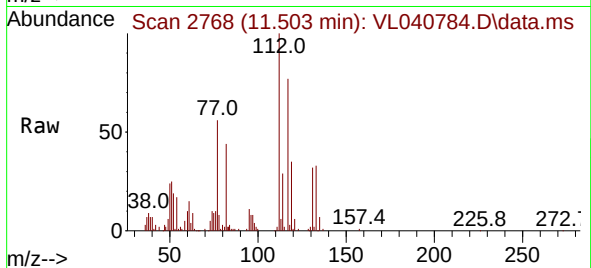
#57
Chlorobenzene
Concen: 1.123 ppbv m
RT: 11.503 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion:112 Resp: 8942
Ion Ratio Lower Upper
112 100
77 56.1 51.9 77.9
114 29.1 28.6 35.0

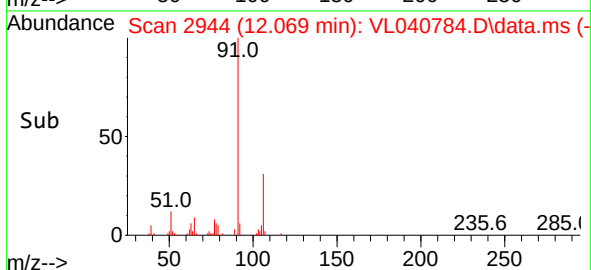
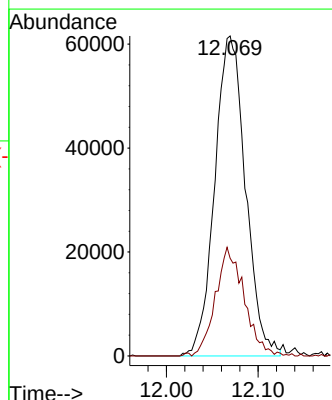
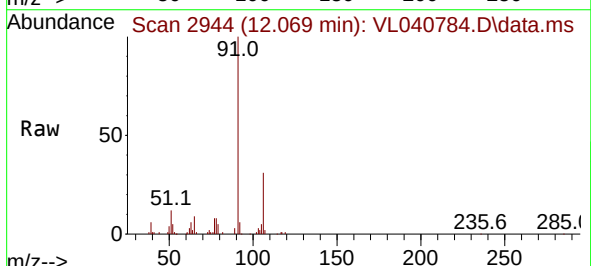
Manual Integrations
APPROVED

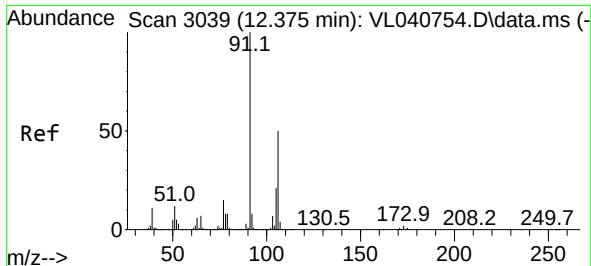
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Ethyl Benzene
Concen: 1.027 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion: 91 Resp: 143669
Ion Ratio Lower Upper
91 100
106 30.6 26.7 40.1





#59

m/p-Xylene

Concen: 2.052 ppbv m

RT: 12.352 min Scan# 3032

Delta R.T. -0.022 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 236324

Ion Ratio Lower Upper

91 100

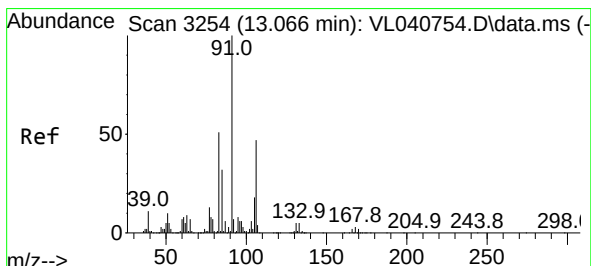
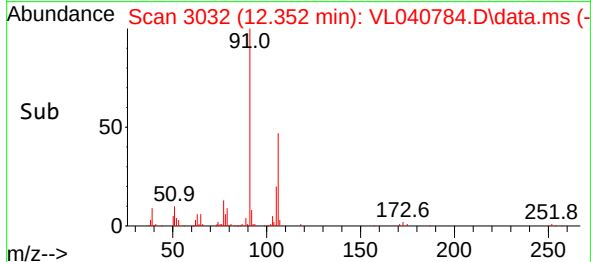
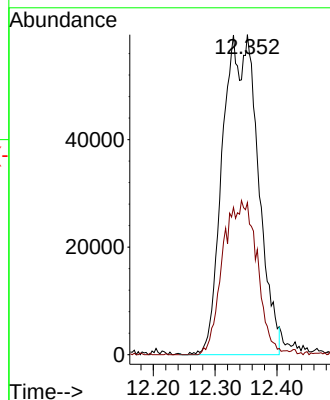
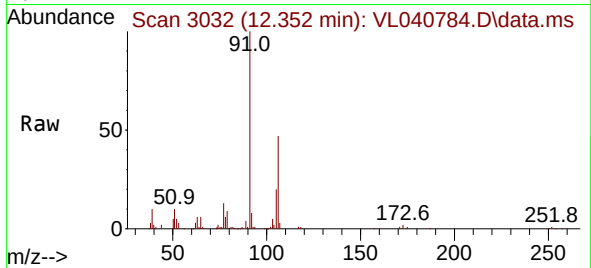
106 47.4 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#60

o-Xylene

Concen: 1.057 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. -0.029 min

Lab File: VL040784.D

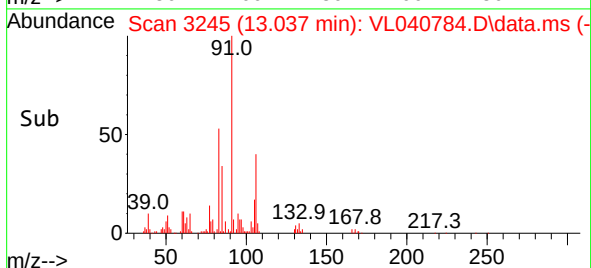
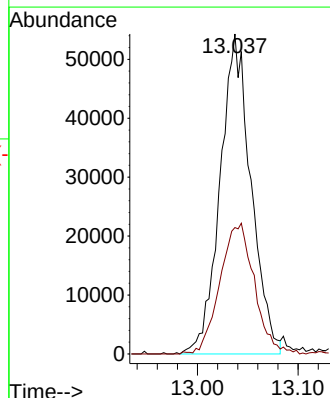
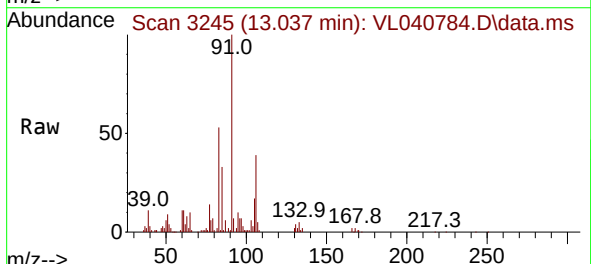
Acq: 23 Oct 2023 18:36

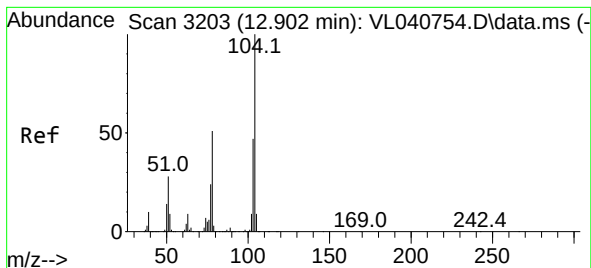
Tgt Ion: 91 Resp: 115966

Ion Ratio Lower Upper

91 100

106 45.7 23.5 70.5





#61

Styrene

Concen: 0.892 ppbv

RT: 12.883 min Scan# 3197

Delta R.T. -0.019 min

Lab File: VL040784.D

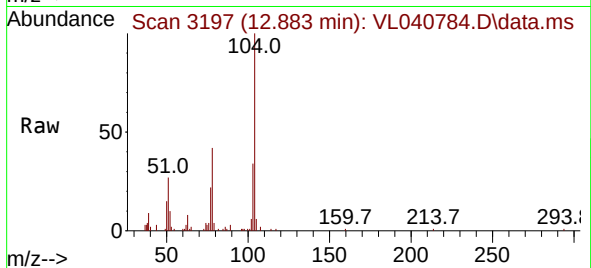
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

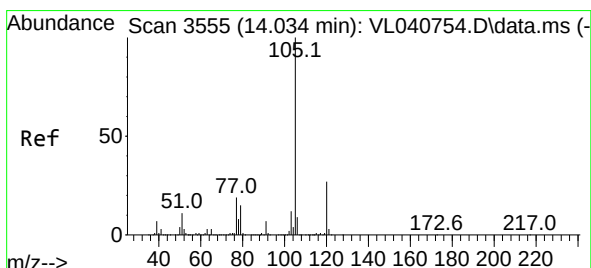
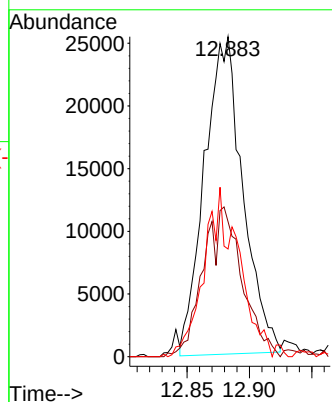
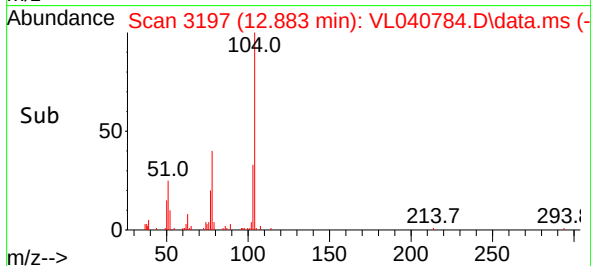


Tgt Ion:104	Resp:	5424
Ion Ratio	Lower	Upper
104	100	
78	50.0	39.8 59.6
103	49.5	37.5 56.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 1.056 ppbv

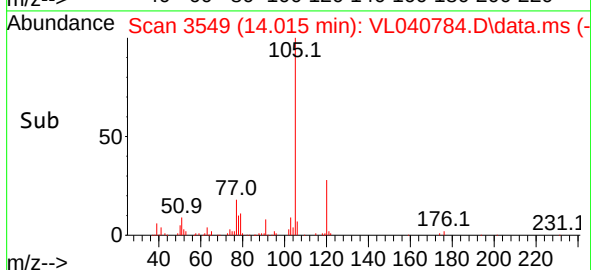
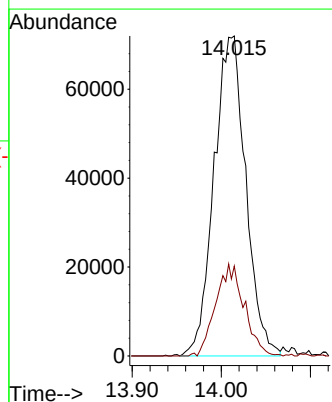
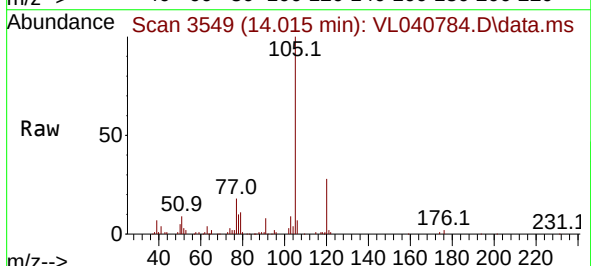
RT: 14.015 min Scan# 3549

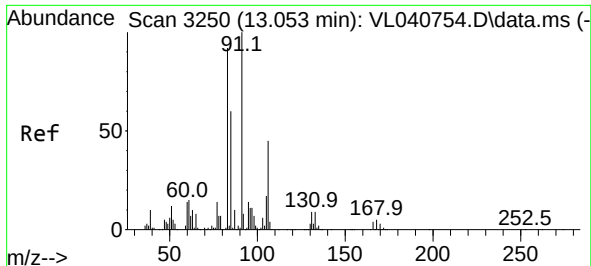
Delta R.T. -0.019 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

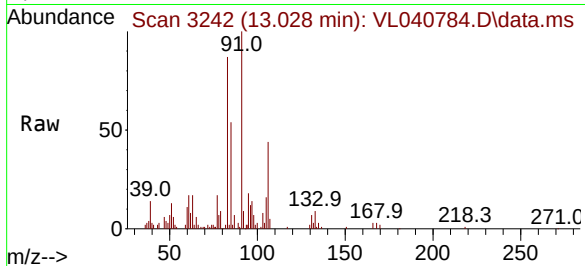
Tgt Ion:105	Resp:	178316
Ion Ratio	Lower	Upper
105	100	
120	25.8	21.5 32.3





#63
1,1,2,2-Tetrachloroethane
Concen: 1.030 ppbv m
RT: 13.028 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

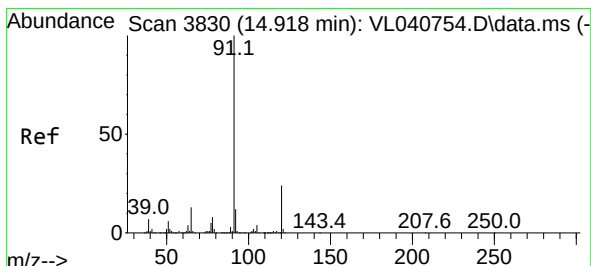
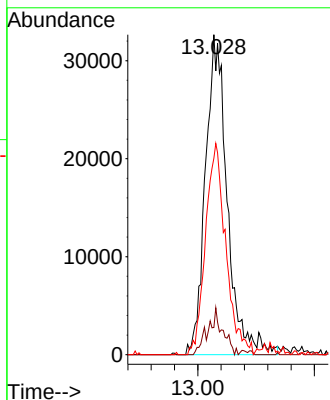
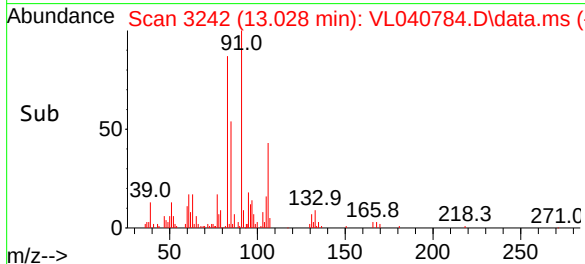
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



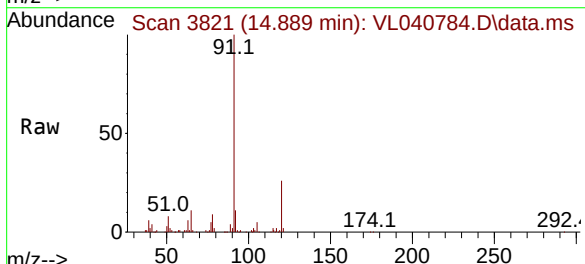
Tgt Ion: 83 Resp: 84758
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6
85 0.0 32.9 98.7

Manual Integrations
APPROVED

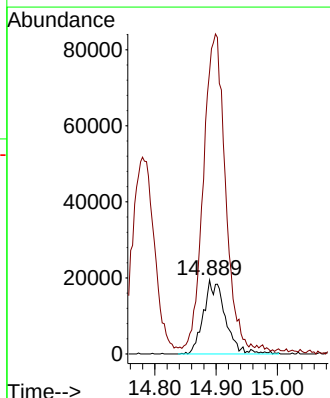
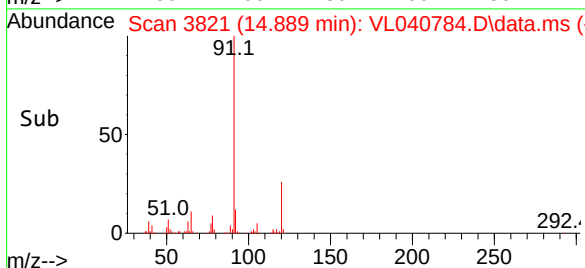
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

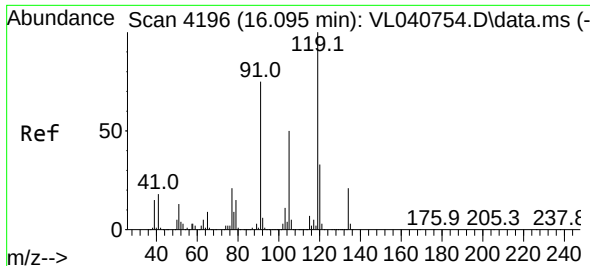


#64
n-propylbenzene
Concen: 1.055 ppbv m
RT: 14.889 min Scan# 3821
Delta R.T. -0.029 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



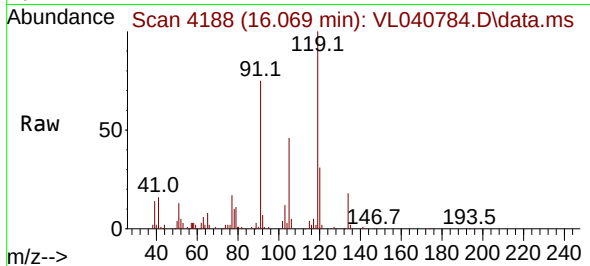
Tgt Ion:120 Resp: 47826
Ion Ratio Lower Upper
120 100
91 460.1 345.9 518.9





#65
tert-Butylbenzene
Concen: 1.027 ppbv
RT: 16.069 min Scan# 4196
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

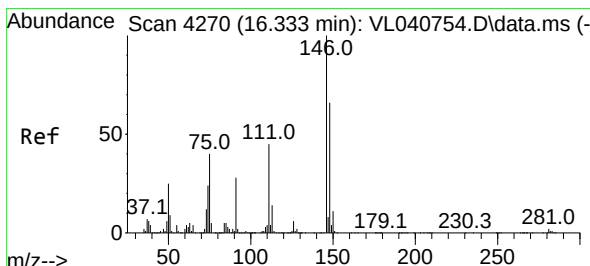
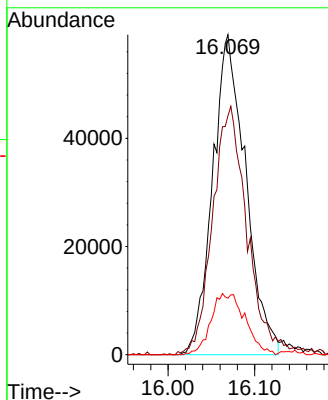
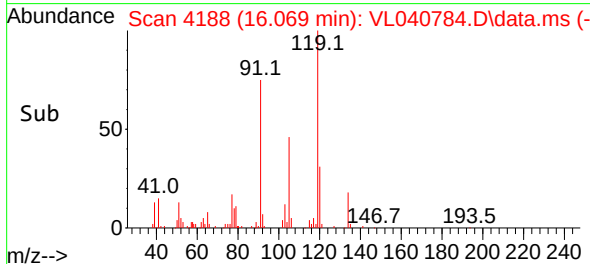
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



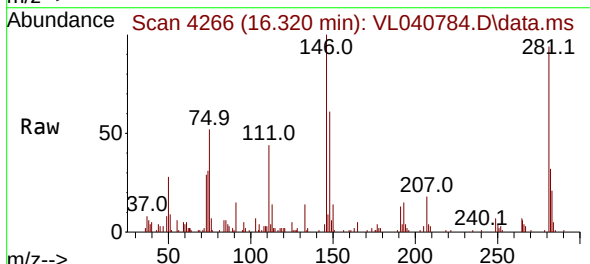
Tgt Ion: 119 Resp: 156409
Ion Ratio Lower Upper
119 100
91 81.3 62.2 93.2
134 20.5 16.1 24.1

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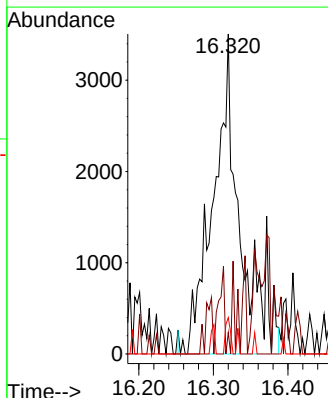
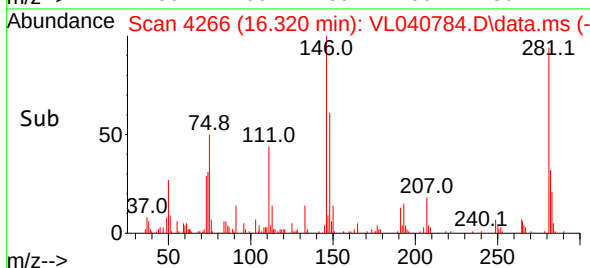
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

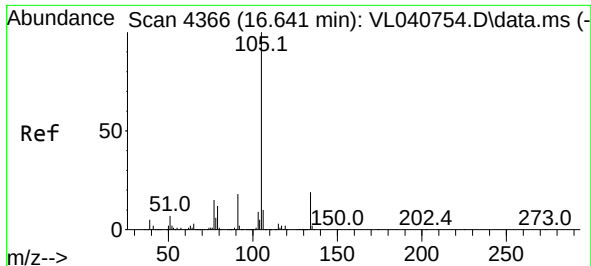


#66
Benzyl Chloride
Concen: 0.567 ppbv m
RT: 16.320 min Scan# 4266
Delta R.T. -0.013 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



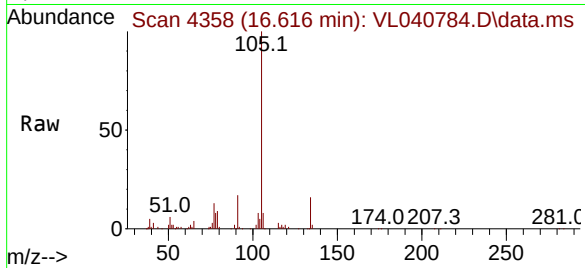
Tgt Ion: 91 Resp: 8696
Ion Ratio Lower Upper
91 100
126 10.2 16.1 24.1#
128 1.3 5.2 7.8#





#67
 sec-Butylbenzene
 Concen: 1.075 ppbv m
 RT: 16.616 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

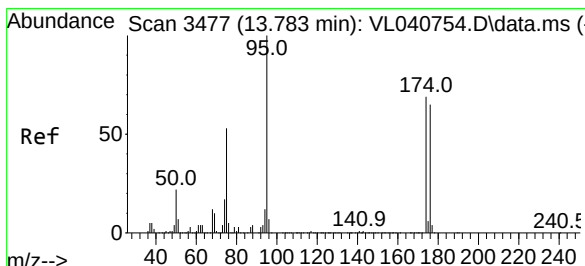
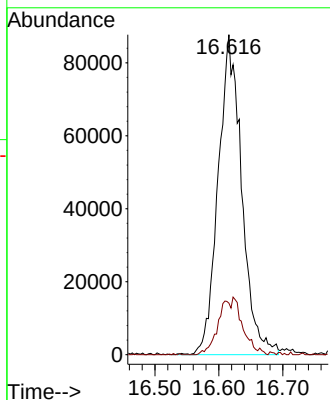
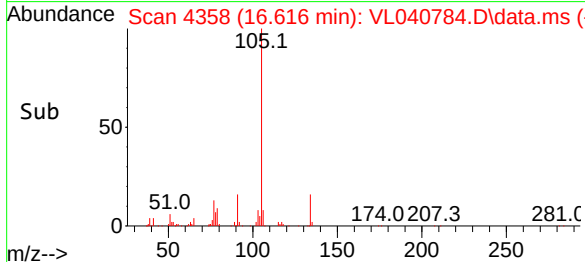
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 22410
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2

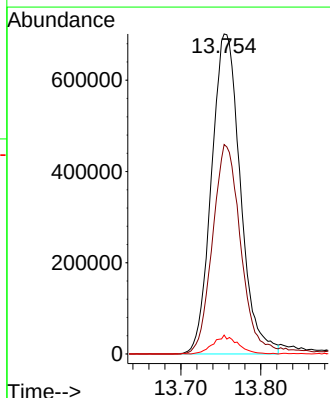
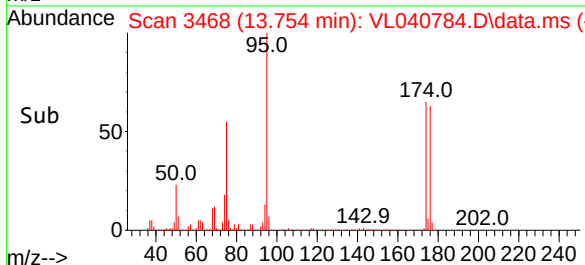
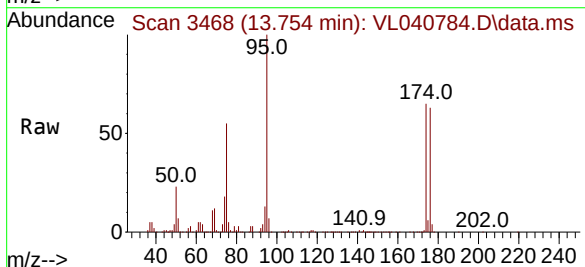
Manual Integrations
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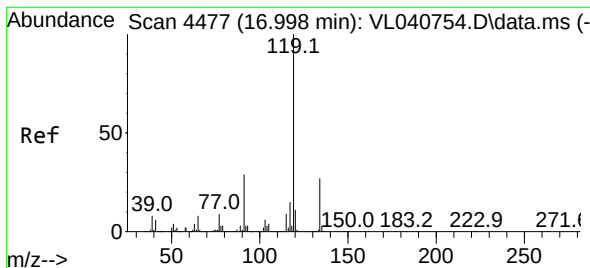
Reviewed By :Semsettin Yesilyurt 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 21.487 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. -0.029 min
 Lab File: VL040784.D
 Acq: 23 Oct 2023 18:36

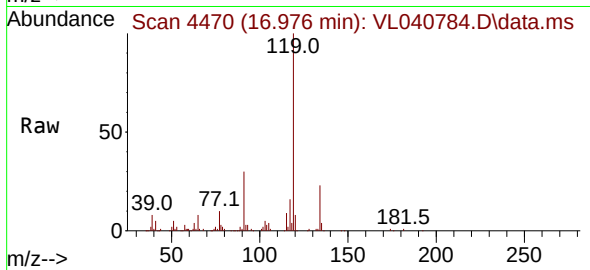
Tgt Ion: 95 Resp: 1756930
 Ion Ratio Lower Upper
 95 100
 174 66.6 54.7 82.1
 175 5.0 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.968 ppbv
RT: 16.976 min Scan# 4477
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

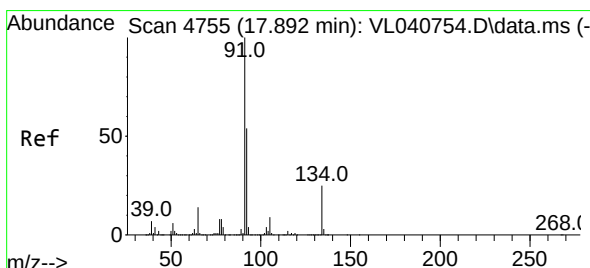
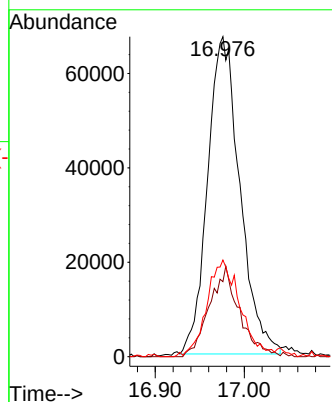
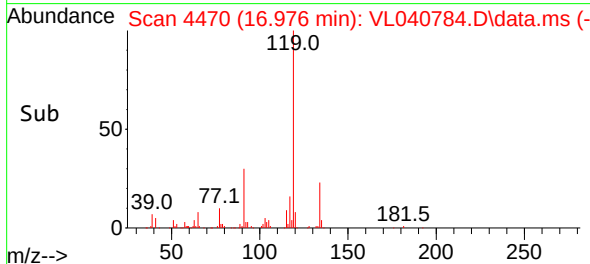
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



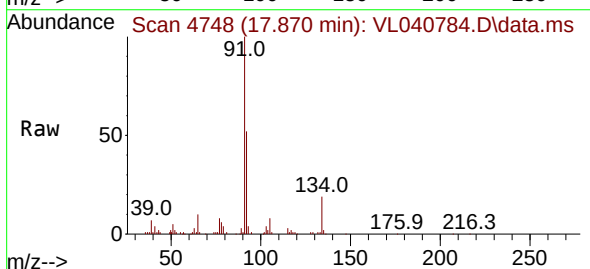
Tgt Ion:119 Resp: 169154
Ion Ratio Lower Upper
119 100
134 26.6 21.0 31.4
91 32.4 22.8 34.2

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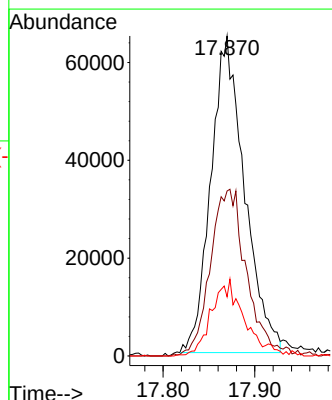
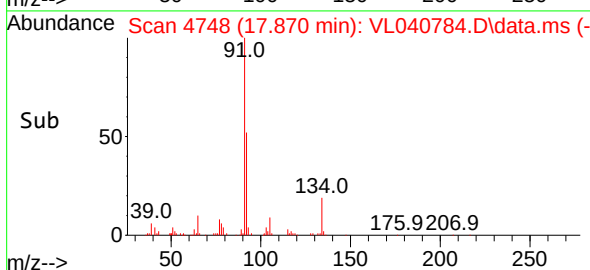
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

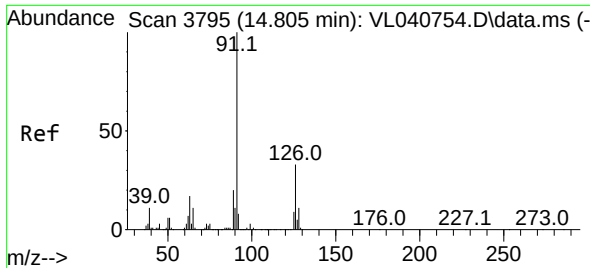


#70
n-Butylbenzene
Concen: 0.964 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



Tgt Ion: 91 Resp: 165305
Ion Ratio Lower Upper
91 100
92 56.7 44.1 66.1
134 23.7 19.5 29.3





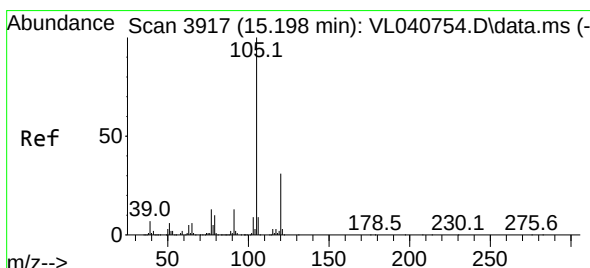
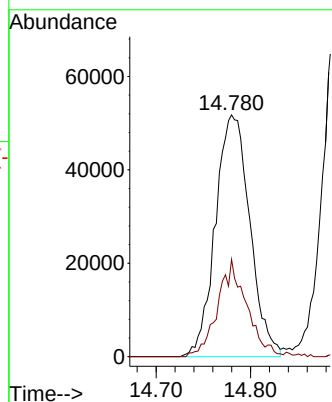
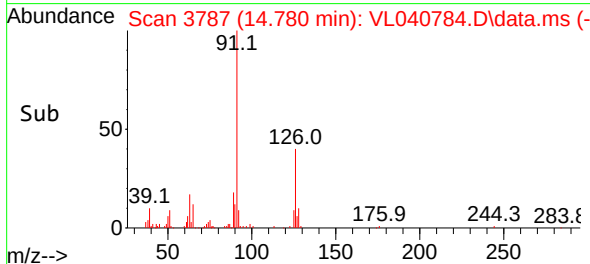
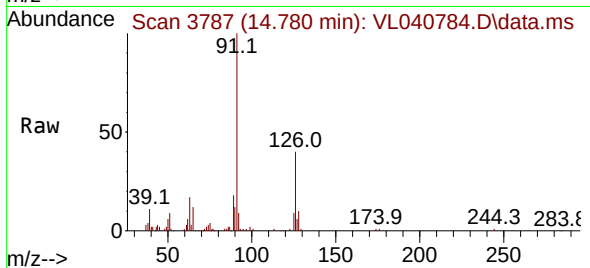
#71
2-Chlorotoluene
Concen: 1.033 ppbv
RT: 14.780 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion: 91 Resp: 130998
Ion Ratio Lower Upper
91 100
126 34.5 13.3 53.1

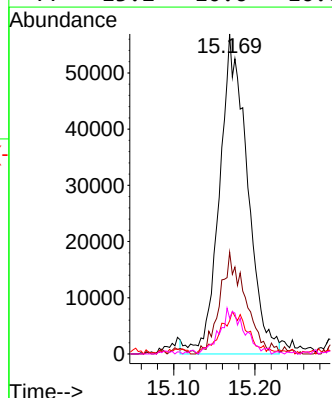
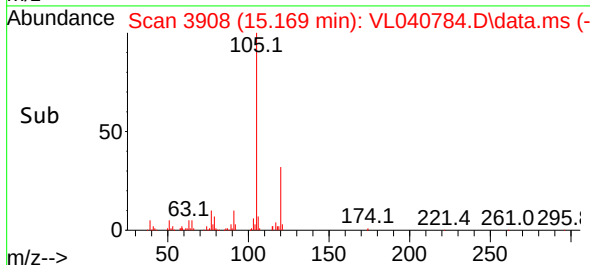
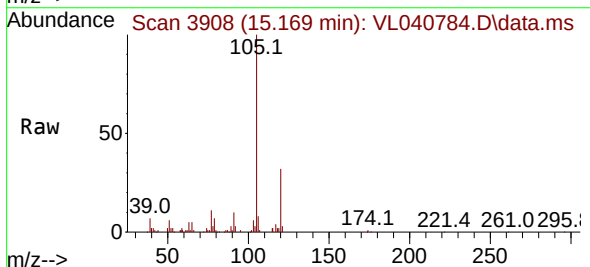
Manual Integrations
APPROVED

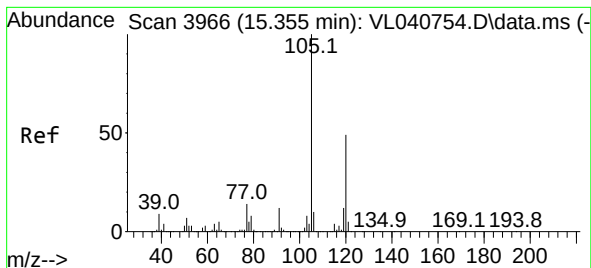
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#72
4-Ethyltoluene
Concen: 1.053 ppbv m
RT: 15.169 min Scan# 3908
Delta R.T. -0.029 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

Tgt Ion:105 Resp: 135271
Ion Ratio Lower Upper
105 100
120 30.2 25.0 37.4
91 0.0 9.8 14.8#
77 13.2 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 0.931 ppbv

RT: 15.330 min Scan# 3966

Delta R.T. -0.026 min

Lab File: VL040784.D

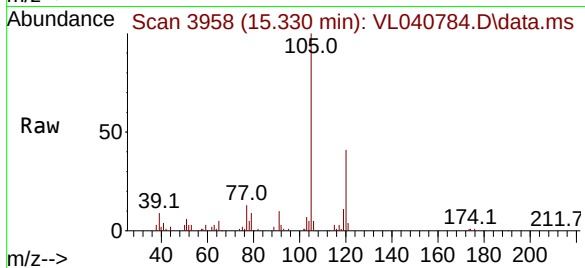
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 105298

Ion Ratio Lower Upper

105 100

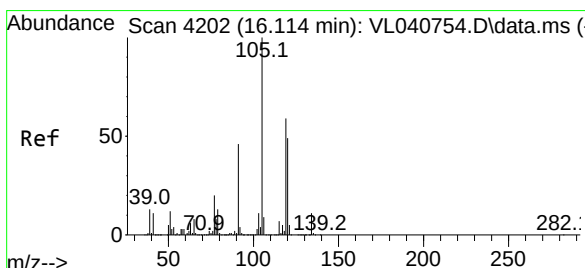
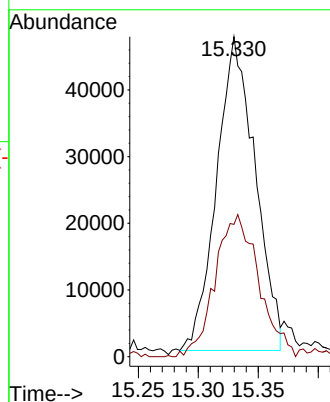
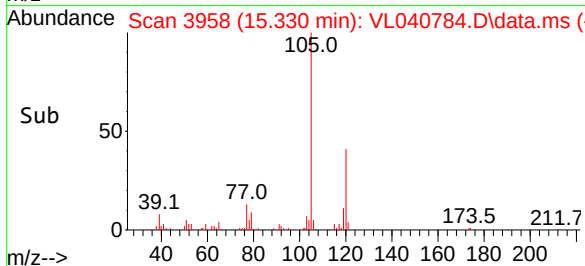
120 40.4 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.979 ppbv

RT: 16.088 min Scan# 4194

Delta R.T. -0.026 min

Lab File: VL040784.D

Acq: 23 Oct 2023 18:36

Tgt Ion:105 Resp: 120994

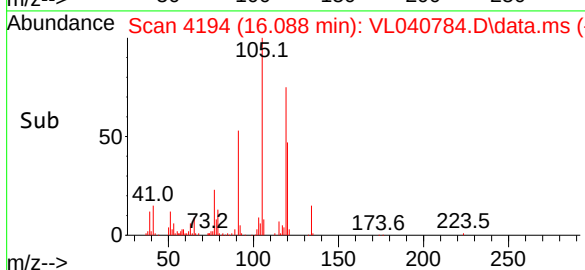
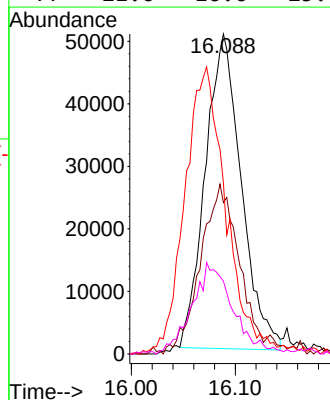
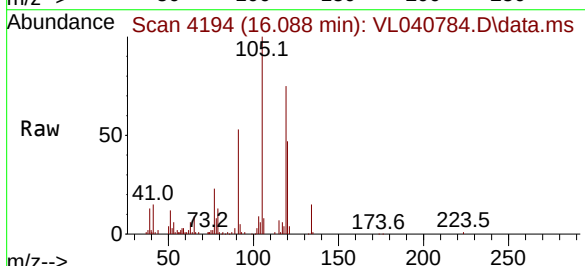
Ion Ratio Lower Upper

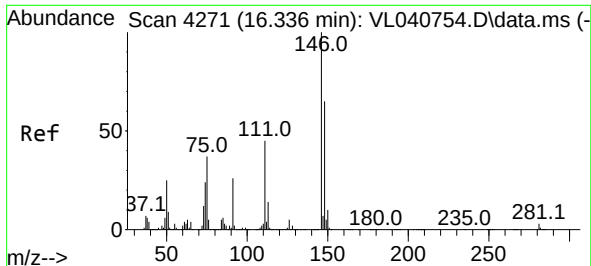
105 100

120 45.5 39.4 59.2

91 52.5 38.6 58.0

77 21.6 16.6 25.0





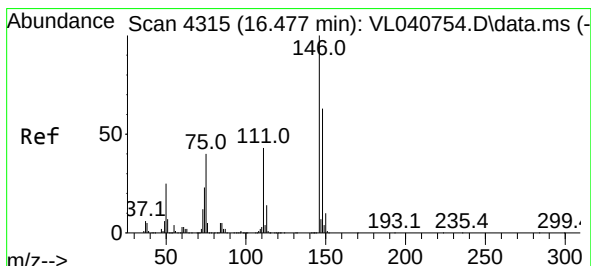
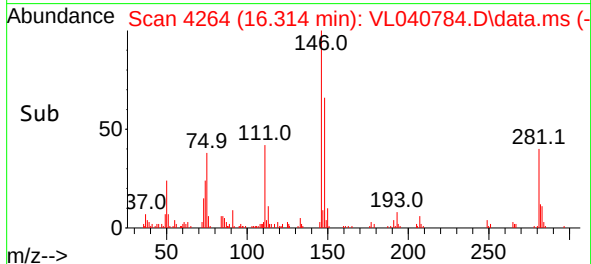
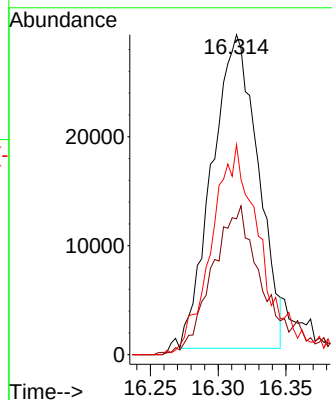
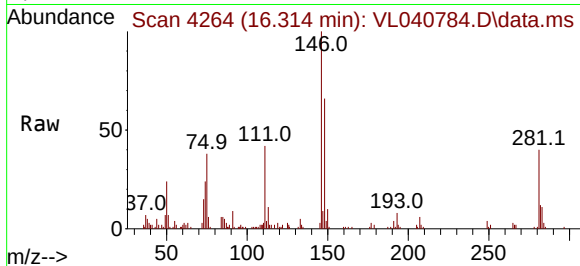
#75
1,3-Dichlorobenzene
Concen: 0.885 ppbv
RT: 16.314 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

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

Tgt Ion:146 Resp: 6805
Ion Ratio Lower Upper
146 100
111 54.5 22.6 67.7
148 72.3 32.4 97.0

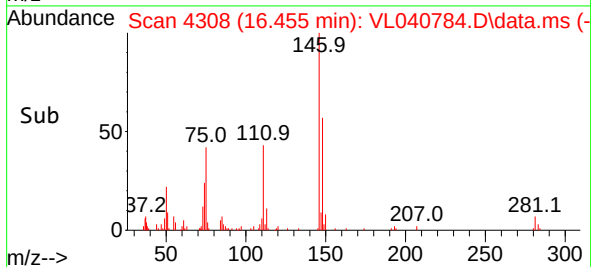
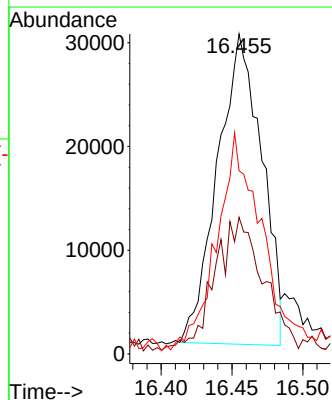
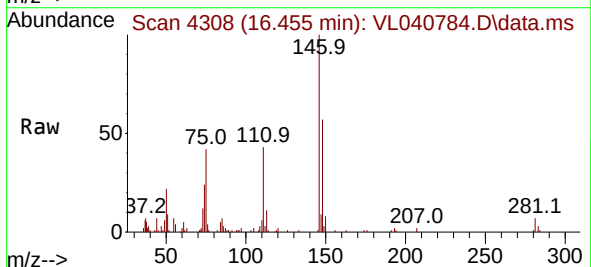
Manual Integrations
APPROVED

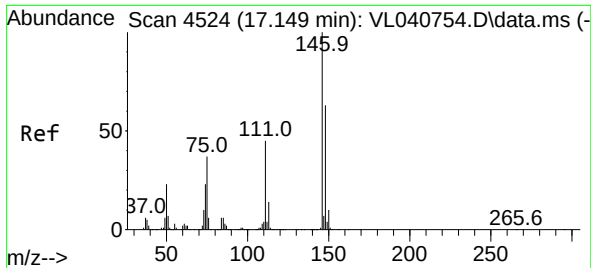
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#76
1,4-Dichlorobenzene
Concen: 0.854 ppbv
RT: 16.455 min Scan# 4308
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

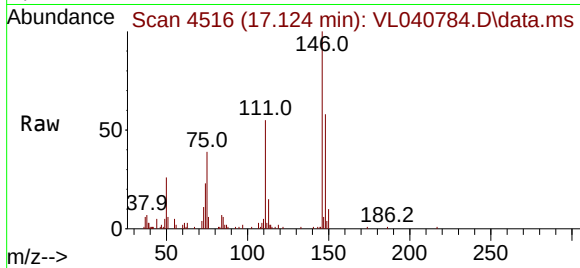
Tgt Ion:146 Resp: 64974
Ion Ratio Lower Upper
146 100
111 53.9 22.0 66.0
148 80.5 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.989 ppbv m
RT: 17.124 min Scan# 411
Delta R.T. -0.026 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

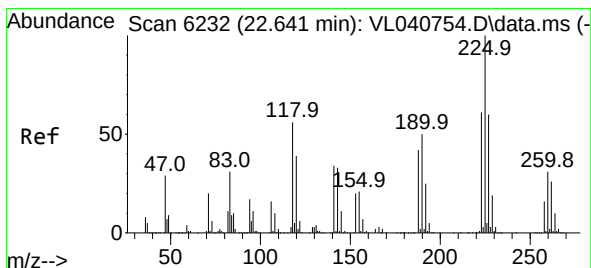
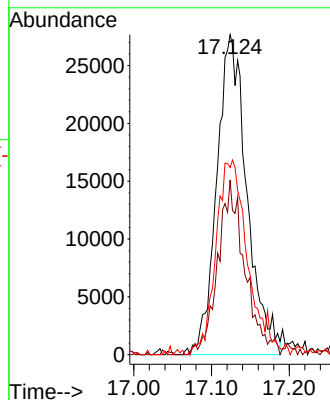
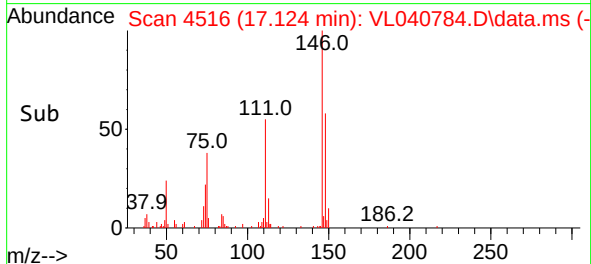
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 74590
Ion Ratio Lower Upper
146 100
111 50.0 22.9 68.8
148 63.9 32.3 96.8

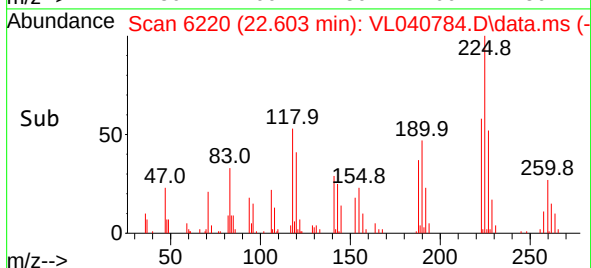
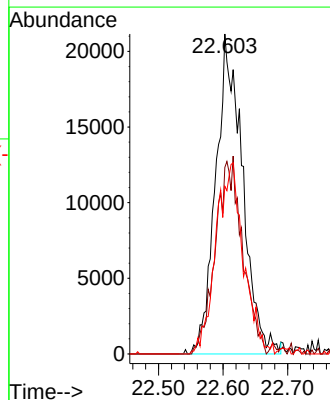
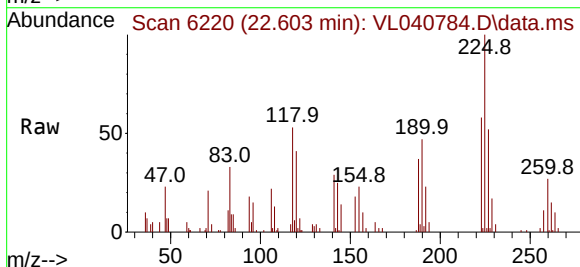
Manual Integrations
APPROVED

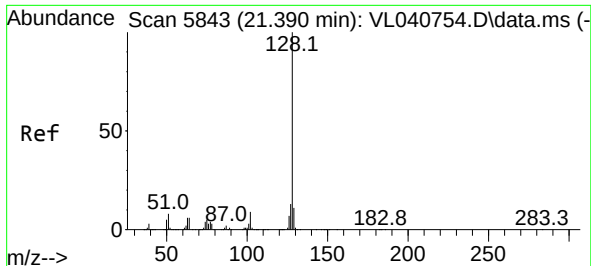
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#78
Hexachloro-1,3-Butadiene
Concen: 1.122 ppbv m
RT: 22.603 min Scan# 6220
Delta R.T. -0.038 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

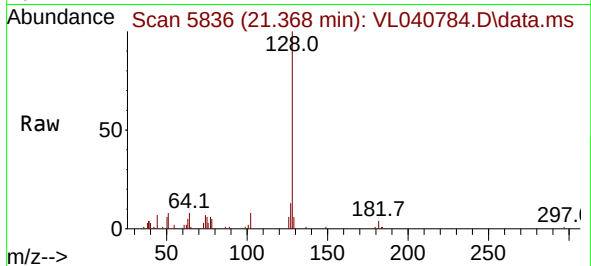
Tgt Ion:225 Resp: 60533
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.4 77.0#





#79
Naphthalene
Concen: 0.651 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. -0.022 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36

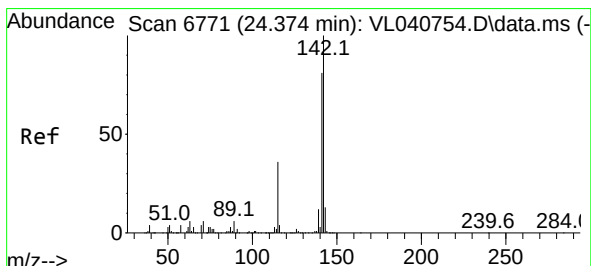
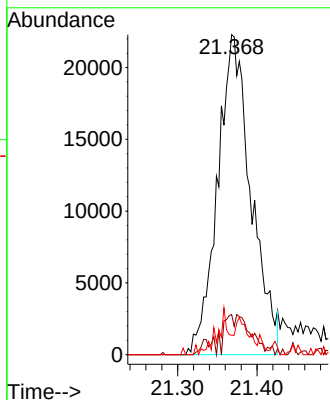
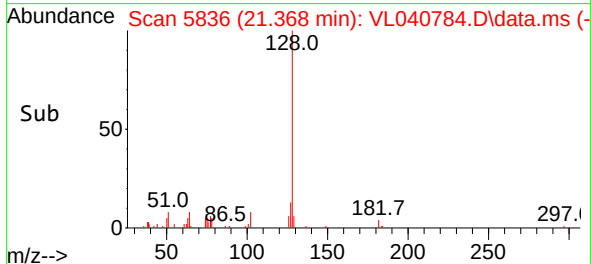
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



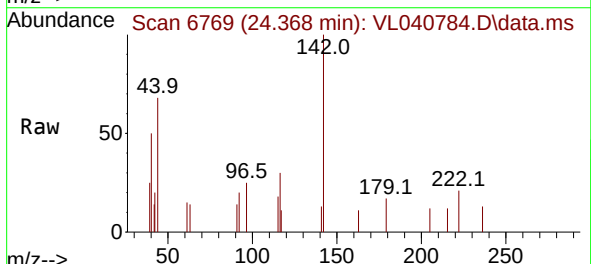
Tgt Ion:128 Resp: 6536
Ion Ratio Lower Upper
128 100
127 12.5 10.6 15.8
129 6.1 9.0 13.4

Manual Integrations
APPROVED

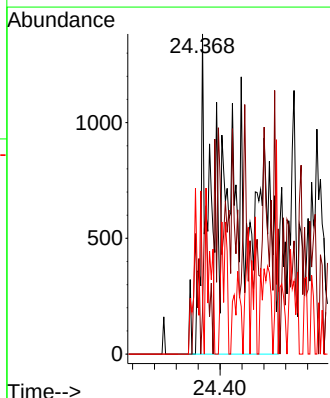
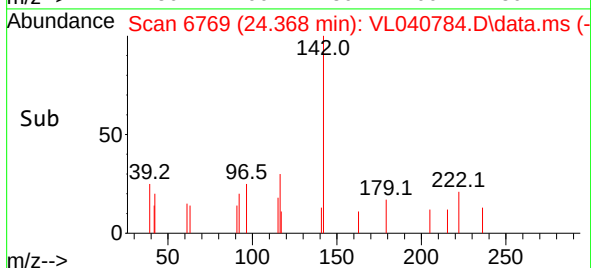
Reviewed By :Semsettin Yesilyurt 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

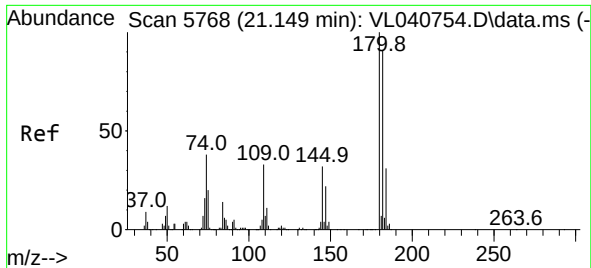


#80
Naphthalene,2-methyl-
Concen: 0.202 ppbv m
RT: 24.368 min Scan# 6769
Delta R.T. -0.006 min
Lab File: VL040784.D
Acq: 23 Oct 2023 18:36



Tgt Ion:142 Resp: 5689
Ion Ratio Lower Upper
142 100
141 0.0 66.3 99.5#
115 9.6 30.0 45.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.775 ppbv m

RT: 21.120 min Scan# 51

Delta R.T. -0.029 min

Lab File: VL040784.D

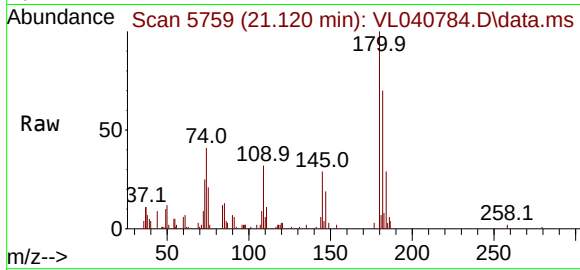
Acq: 23 Oct 2023 18:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:180	Resp:	4225
Ion Ratio	Lower	Upper
180	100	
182	0.0	77.9
184	0.0	25.0

Manual Integrations

APPROVED

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

