

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040221.D
 Acq On : 23 Feb 2023 13:49
 Operator : SY/MD
 Sample : 01627-15 0.1 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

Quant Time: Feb 24 01:02:58 2023

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

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

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	809790	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2015865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1767292	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1486646 10.230 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	16793	0.111	ppbv	94
3) Chlorodifluoromethane	2.665	51	10400	0.108	ppbv	93
4) Chloromethane	2.806	50	6294m	0.104	ppbv	
5) Vinyl Chloride	2.915	62	5287m	0.108	ppbv	
6) Bromomethane	3.105	94	1893m	0.107	ppbv	
7) Chloroethane	3.195	64	2042m	0.105	ppbv	
8) Dichlorotetrafluoroethane	2.845	85	13329	0.102	ppbv	94
9) Propene	2.684	41	6117m	0.155	ppbv	
10) Heptane	7.581	43	6580m	0.070	ppbv	
11) Trichlorofluoromethane	3.552	101	15542	0.115	ppbv #	75
12) 1,1,2-Trichlorotrifluo...	4.057	101	10321m	0.103	ppbv	
14) Bromoethene	3.356	108	3518m	0.092	ppbv	
15) Acetone	3.488	43	17145	0.176	ppbv #	79
16) 1,3-Butadiene	2.970	39	5361m	0.120	ppbv	
17) tert-Butyl alcohol	3.906	59	10433m	0.117	ppbv	
18) 1,1-Dichloroethene	3.870	96	4094m	0.094	ppbv	
19) Isopropyl Alcohol	3.597	45	4605m	0.099	ppbv	
20) Methylene Chloride	3.928	84	13592	0.268	ppbv #	90
21) Allyl Chloride	3.989	41	6244m	0.104	ppbv	
22) trans-1,2-Dichloroethene	4.443	96	4374m	0.097	ppbv	
24) 1,1-Dichloroethane	4.555	63	10322	0.112	ppbv	99
25) Ethyl Acetate	5.211	43	17421m	0.096	ppbv	
26) Hexane	5.198	57	7971m	0.102	ppbv	
27) Carbon Disulfide	4.124	76	8544m	0.087	ppbv	
28) Methyl tert-Butyl Ether	4.600	73	8130m	0.098	ppbv	
29) Chloroform	5.263	83	15493m	0.116	ppbv	
30) Cyclohexane	6.642	84	7956m	0.130	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	7066m	0.096	ppbv	
32) 1,1,1-Trichloroethane	6.005	97	11984m	0.095	ppbv	
34) 2-Butanone	4.806	43	11007m	0.111	ppbv	
35) Carbon Tetrachloride	6.494	117	11888m	0.100	ppbv	
36) Benzene	6.362	78	13529	0.086	ppbv #	74
37) 1,2-Dichloroethane	5.809	62	10715m	0.109	ppbv	
38) Trichloroethene	7.295	130	8056m	0.093	ppbv	
39) 1,2-Dichloropropane	7.076	63	6351m	0.104	ppbv	
40) 1,4-Dioxane	7.353	88	2024m	0.083	ppbv	
41) Tetrahydrofuran	5.597	42	5211m	0.090	ppbv	
42) Bromodichloromethane	7.246	83	12105m	0.089	ppbv	
43) Methyl Methacrylate	7.488	69	3542m	0.061	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	18397m	0.070	ppbv	
45) t-1,3-Dichloropropene	8.722	75	3156m	0.061	ppbv	
46) cis-1,3-Dichloropropene	8.150	75	4229m	0.059	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	6617m	0.100	ppbv	

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Manual Integrations
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Quant Time: Feb 24 01:02:58 2023

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

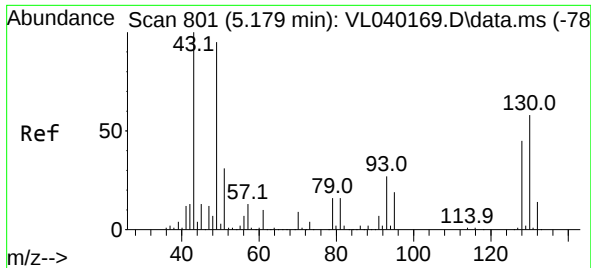
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Feb 24 00:45:34 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) Dibromochloromethane	9.703	129	7489m	0.071	ppbv	
49) Bromoform	12.413	173	5431m	0.066	ppbv	
50) 4-Methyl-2-Pentanone	8.214	43	11287m	0.073	ppbv	
51) 2-Hexanone	9.587	43	7695m	0.065	ppbv	
52) Tetrachloroethene	10.619	164	4087m	0.083	ppbv	
53) Toluene	9.227	91	10689m	0.064	ppbv	
54) 1,2-Dibromoethane	10.005	107	5341m	0.078	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	6760m	0.091	ppbv	
57) Chlorobenzene	11.523	112	13539m	0.105	ppbv	
58) Ethyl Benzene	12.095	91	12387m	0.058	ppbv	
59) m/p-Xylene	12.375	91	23146m	0.122	ppbv	
60) o-Xylene	13.066	91	9619m	0.053	ppbv	
61) Styrene	12.899	104	4823m	0.050	ppbv	
62) Isopropylbenzene	14.040	105	18919m	0.072	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	6485m	0.098	ppbv	
64) n-propylbenzene	14.915	120	3334m	0.051	ppbv	
65) tert-Butylbenzene	16.101	119	11872m	0.052	ppbv	
67) sec-Butylbenzene	16.648	105	19312m	0.059	ppbv	
69) p-Isopropyltoluene	17.002	119	13578m	0.052	ppbv	
70) n-Butylbenzene	17.892	91	14455m	0.051	ppbv	
71) 2-Chlorotoluene	14.802	91	13336m	0.066	ppbv	
72) 4-Ethyltoluene	15.201	105	11492m	0.057	ppbv	
73) 1,3,5-Trimethylbenzene	15.359	105	10431m	0.055	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	10895m	0.053	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	9087m	0.080	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	8926m	0.080	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	8147m	0.072	ppbv	
78) Hexachloro-1,3-Butadiene	22.638	225	7248m	0.094	ppbv	
79) Naphthalene	21.416	128	4720m	0.041	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	3982m	0.055	ppbv	

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



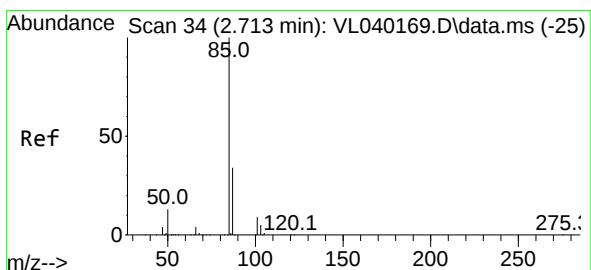
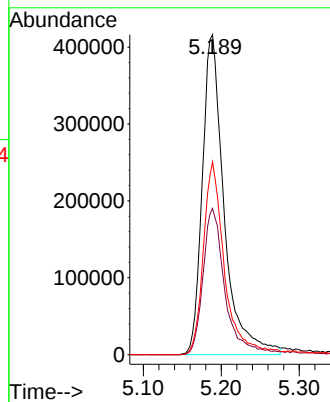
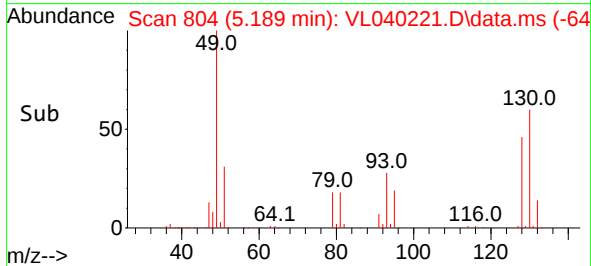
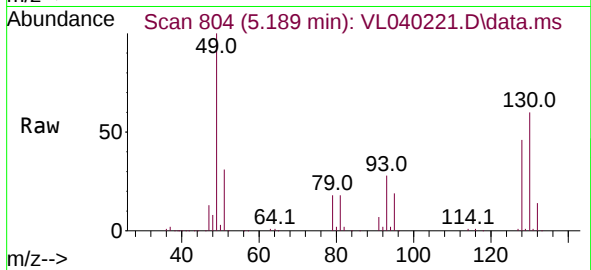
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 49 Resp: 809790
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.3
130 59.9 30.9 92.8

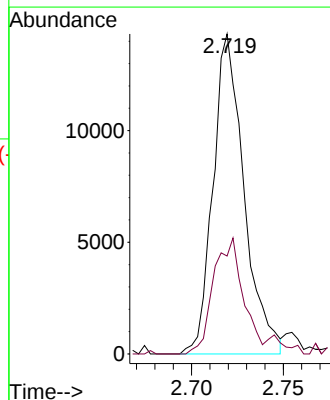
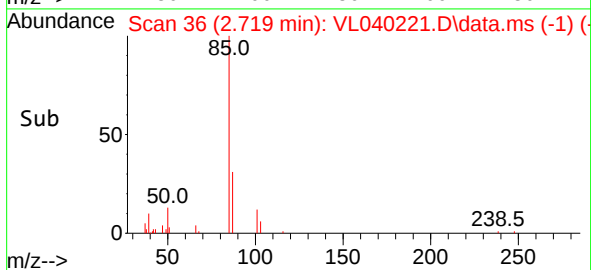
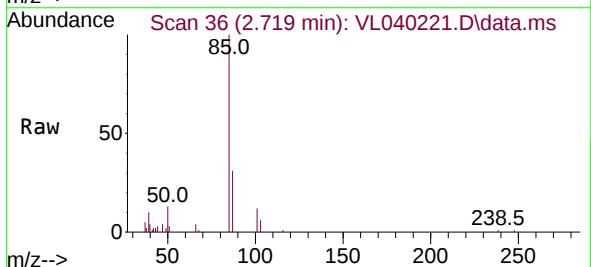
Manual Integrations
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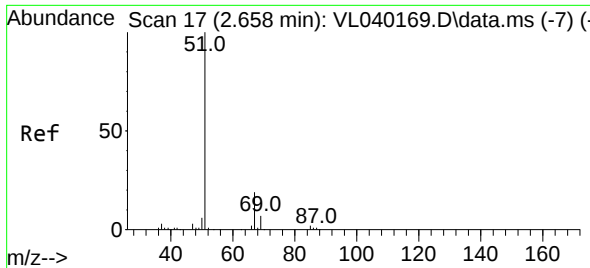
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#2
Dichlorodifluoromethane
Concen: 0.111 ppbv
RT: 2.719 min Scan# 36
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 85 Resp: 16793
Ion Ratio Lower Upper
85 100
87 30.6 27.0 40.6





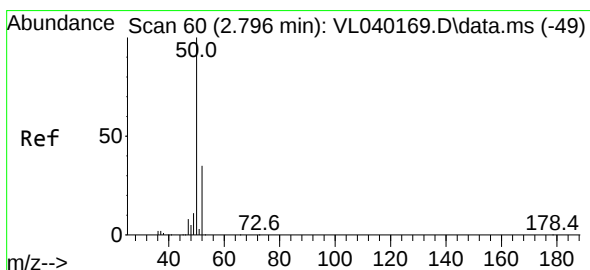
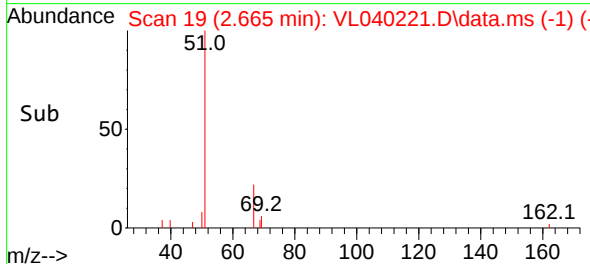
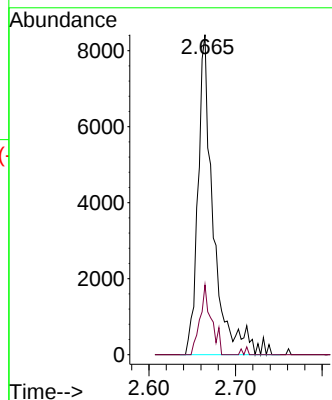
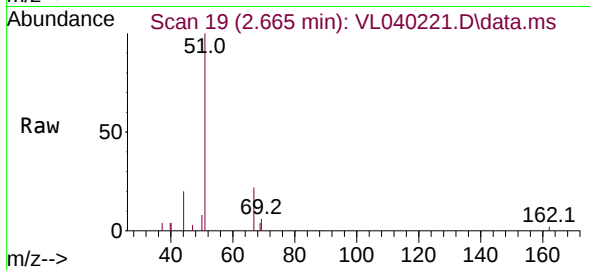
#3
Chlorodifluoromethane
Concen: 0.108 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 51 Resp: 10400
Ion Ratio Lower Upper
51 100
67 16.1 15.4 23.2

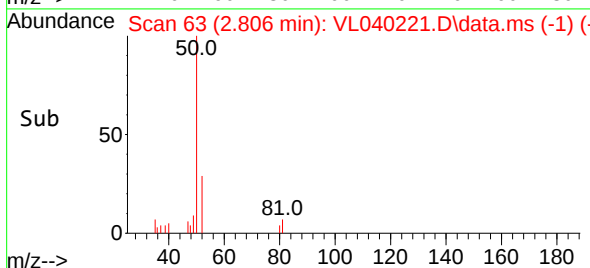
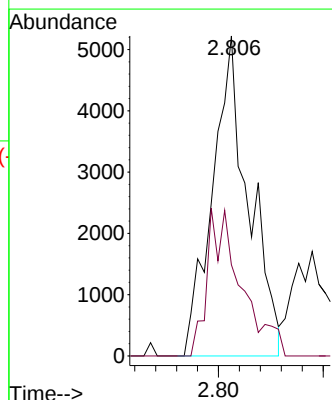
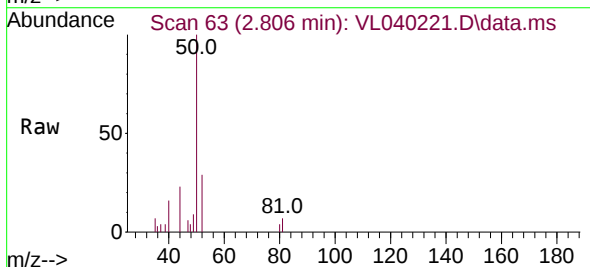
Manual Integrations
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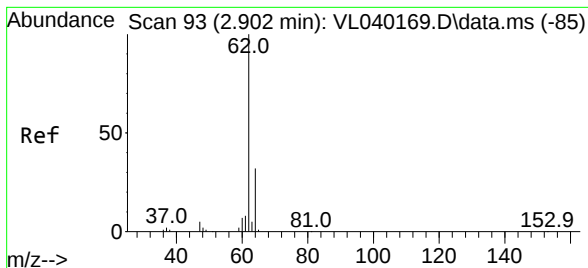
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#4
Chloromethane
Concen: 0.104 ppbv m
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

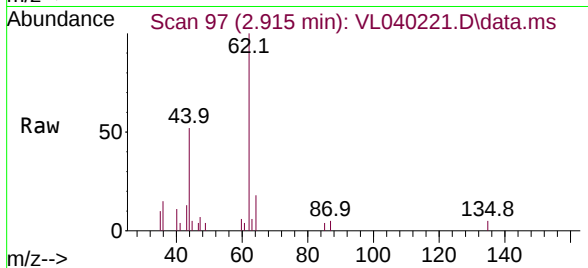
Tgt Ion: 50 Resp: 6294
Ion Ratio Lower Upper
50 100
52 28.5 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.108 ppbv m
 RT: 2.915 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49

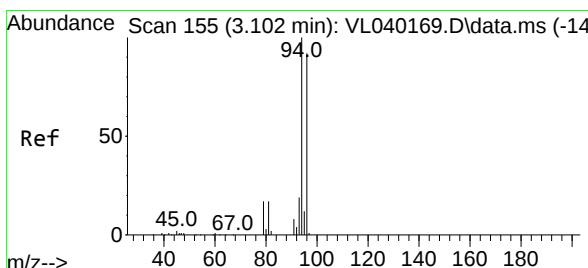
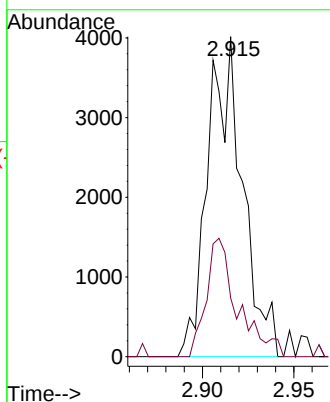
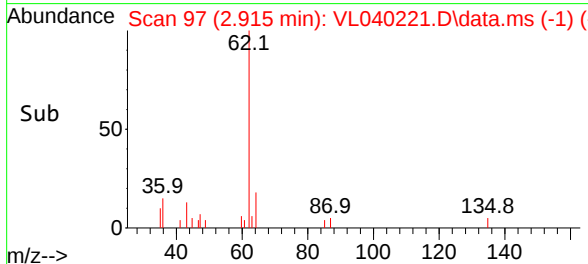
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



Tgt Ion: 62 Resp: 528
 Ion Ratio Lower Upper
 62 100
 64 18.4 25.6 38.4

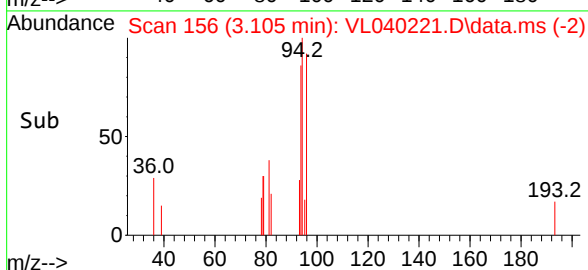
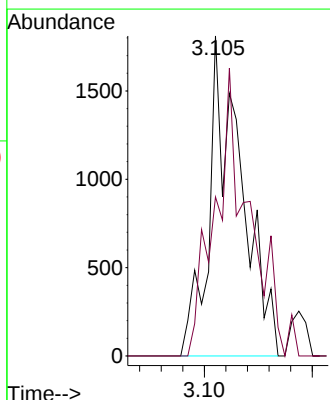
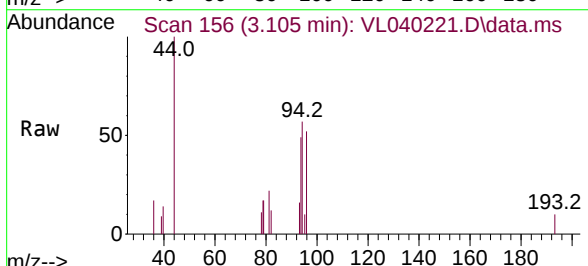
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#6
 Bromomethane
 Concen: 0.107 ppbv m
 RT: 3.105 min Scan# 156
 Delta R.T. -0.006 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49

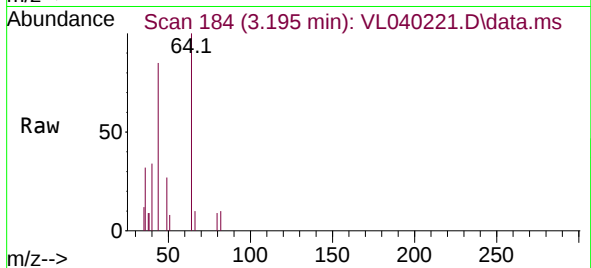
Tgt Ion: 94 Resp: 1893
 Ion Ratio Lower Upper
 94 100
 96 92.3 73.4 110.2





#7
Chloroethane
Concen: 0.105 ppbv m
RT: 3.195 min Scan# 184
Delta R.T. 0.007 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

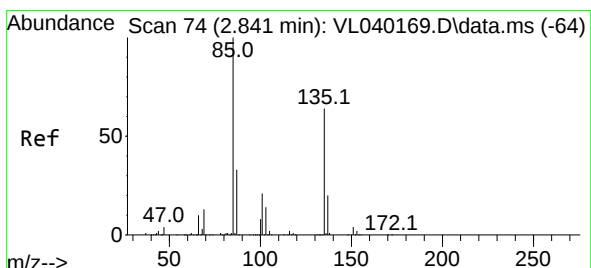
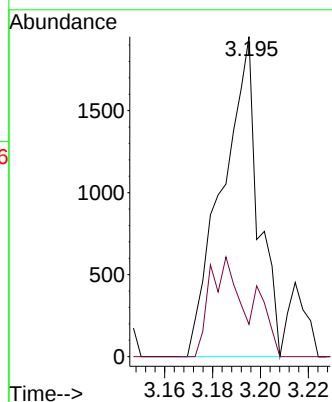
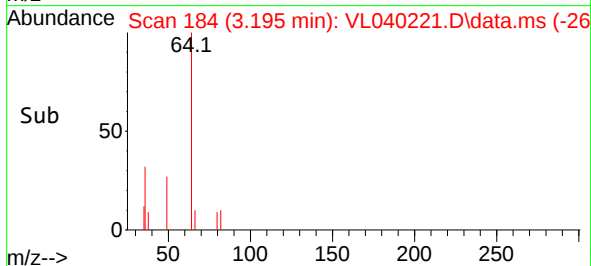
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 64 Resp: 2042
Ion Ratio Lower Upper
64 100
66 10.1 25.4 38.2

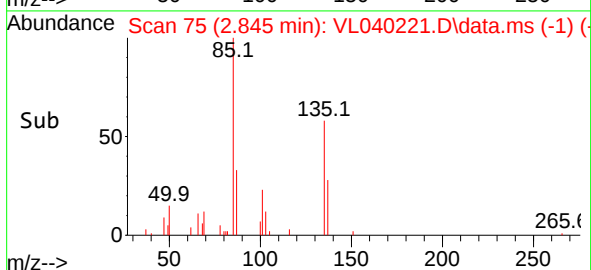
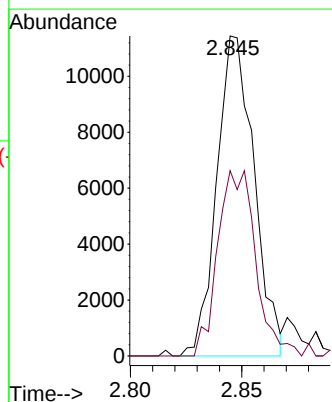
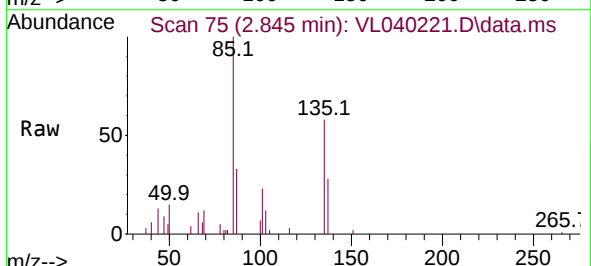
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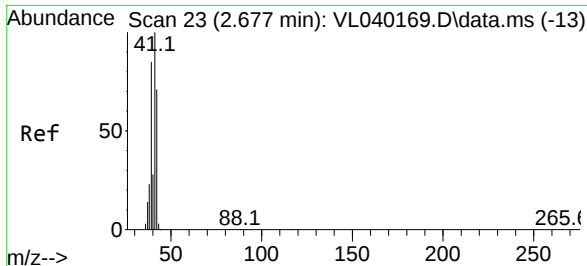
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#8
Dichlorotetrafluoroethane
Concen: 0.102 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 85 Resp: 13329
Ion Ratio Lower Upper
85 100
135 59.5 51.5 77.3





#9

Propene

Concen: 0.155 ppbv m

RT: 2.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

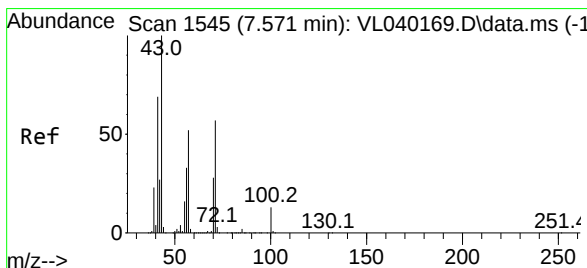
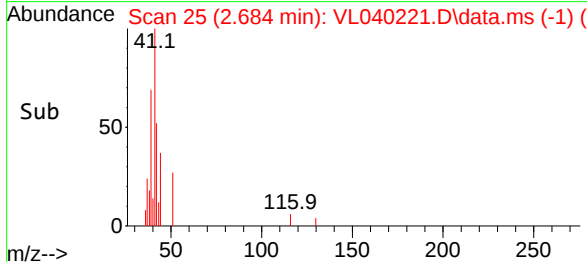
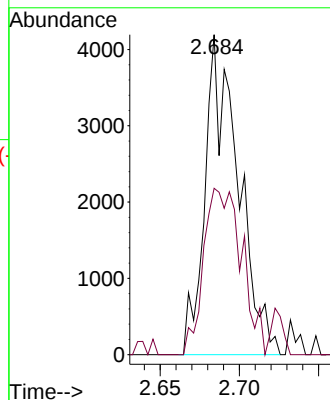
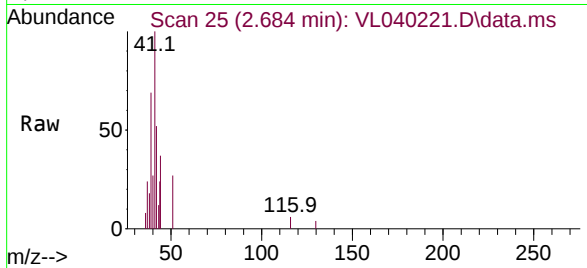
Tgt Ion: 41 Resp: 611

Ion	Ratio	Lower	Upper
41	100		
42	64.8	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#10

Heptane

Concen: 0.070 ppbv m

RT: 7.581 min Scan# 1548

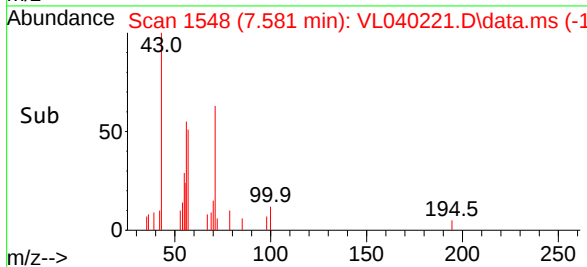
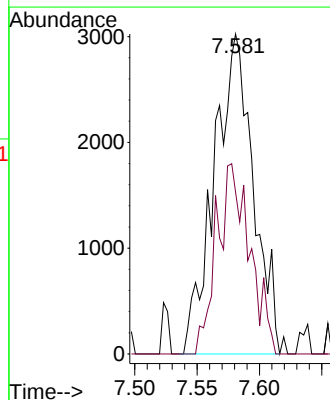
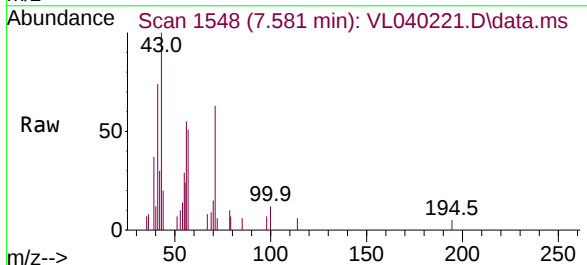
Delta R.T. 0.000 min

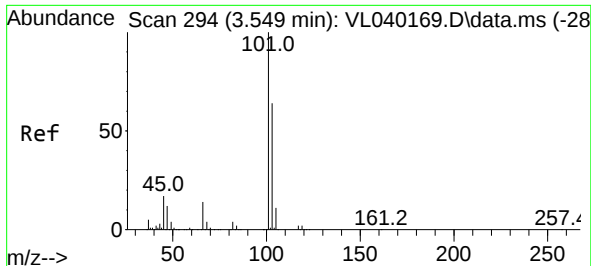
Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Tgt Ion: 43 Resp: 6580

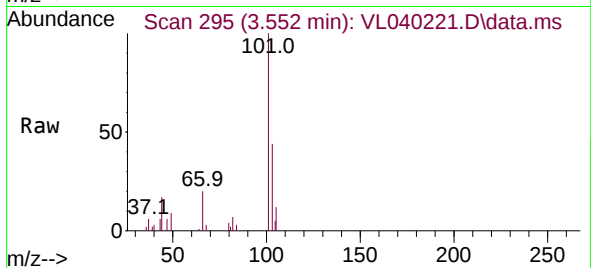
Ion	Ratio	Lower	Upper
43	100		
57	50.4	41.4	62.2





#11
 Trichlorofluoromethane
 Concen: 0.115 ppbv
 RT: 3.552 min Scan# 294
 Delta R.T. -0.003 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49

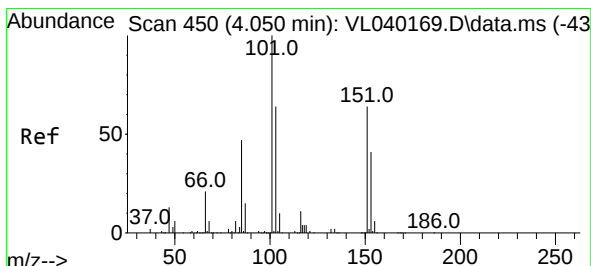
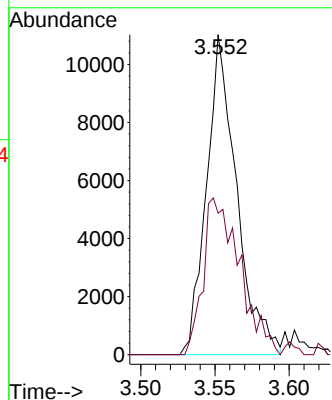
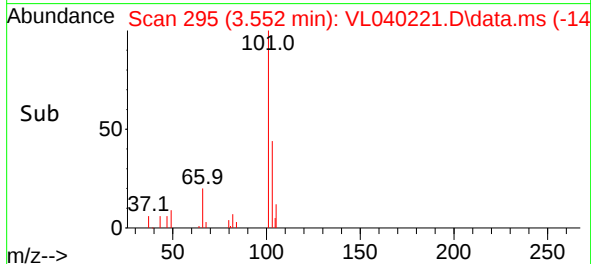
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 ClientSampleId :
 MDL-AIR-03-QT1-2023



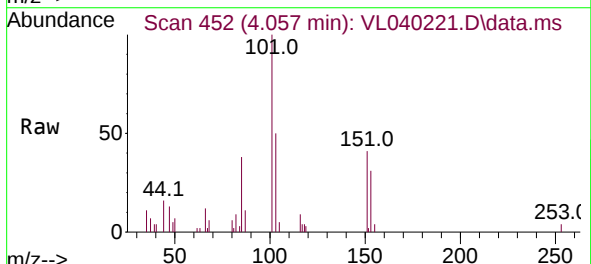
Tgt Ion:101 Resp: 15542
 Ion Ratio Lower Upper
 101 100
 103 44.2 51.0 76.6

Manual Integrations
 APPROVED

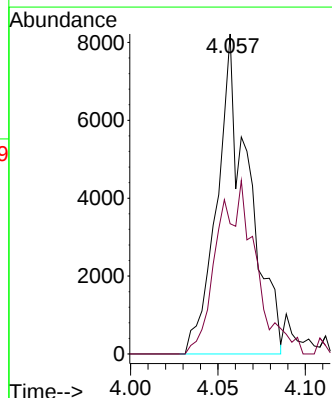
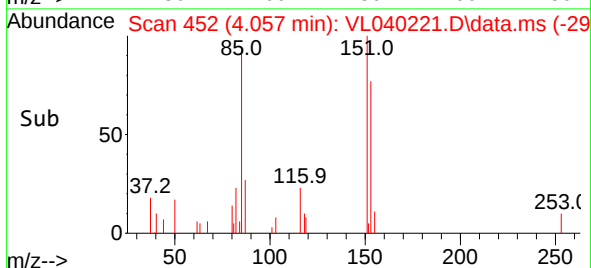
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

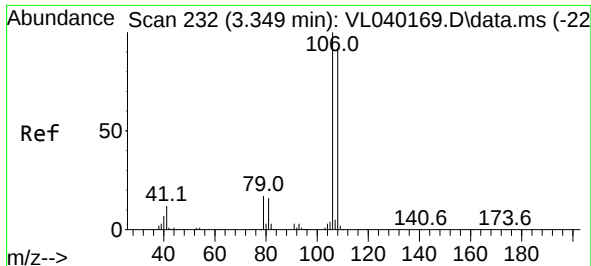


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.103 ppbv m
 RT: 4.057 min Scan# 452
 Delta R.T. -0.003 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49



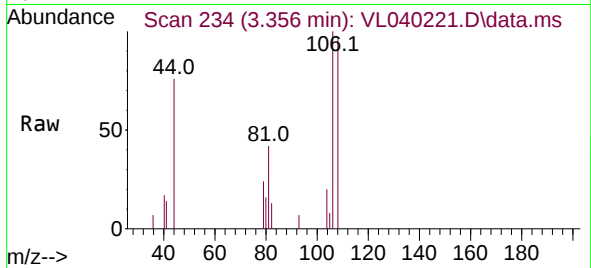
Tgt Ion:101 Resp: 10321
 Ion Ratio Lower Upper
 101 100
 151 0.0 54.7 82.1#





#14
Bromoethene
Concen: 0.092 ppbv m
RT: 3.356 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

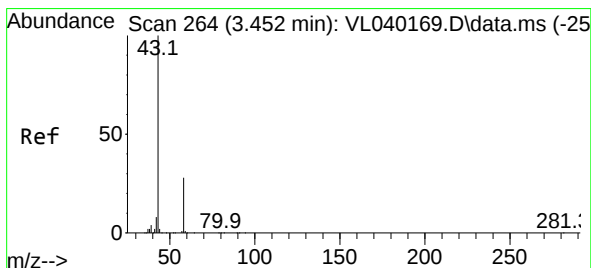
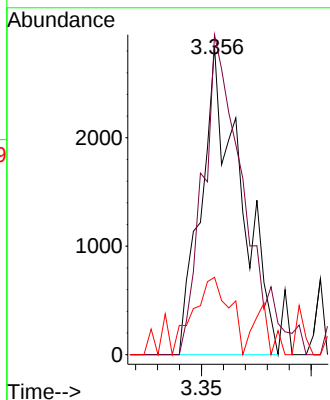
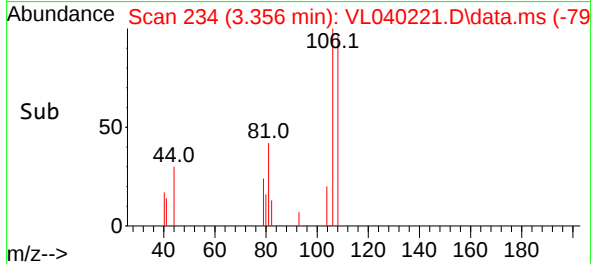
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



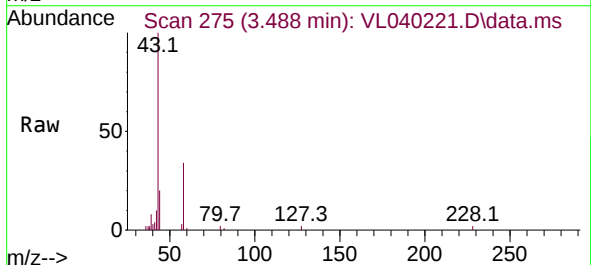
Tgt Ion:108 Resp: 3518
Ion Ratio Lower Upper
108 100
106 108.3 87.1 130.7
79 26.5 15.4 23.2

Manual Integrations
APPROVED

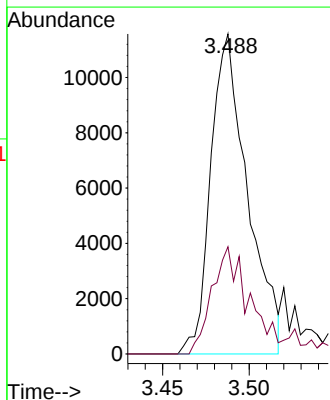
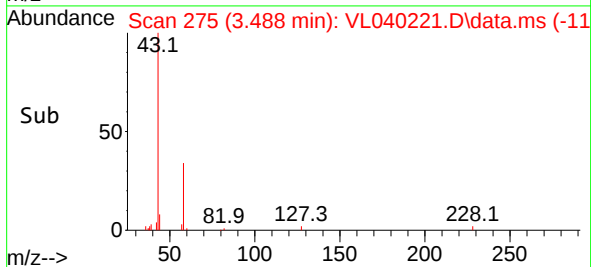
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

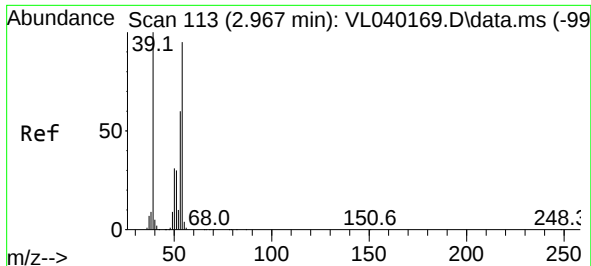


#15
Acetone
Concen: 0.176 ppbv
RT: 3.488 min Scan# 275
Delta R.T. 0.029 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



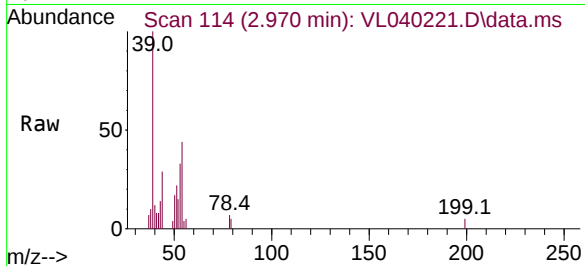
Tgt Ion: 43 Resp: 17145
Ion Ratio Lower Upper
43 100
58 39.1 22.4 33.6





#16
1,3-Butadiene
Concen: 0.120 ppbv m
RT: 2.970 min Scan# 113
Delta R.T. -0.006 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

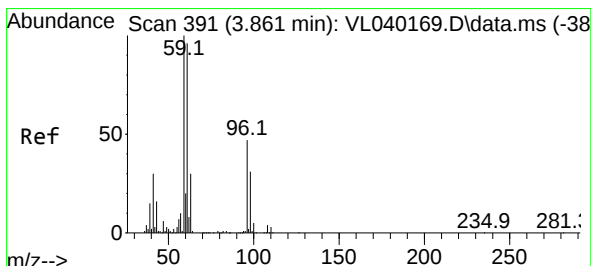
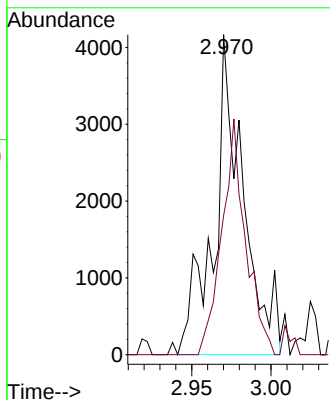
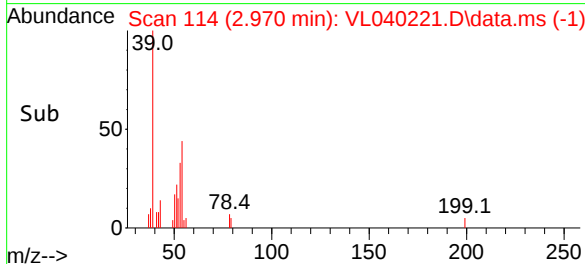
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



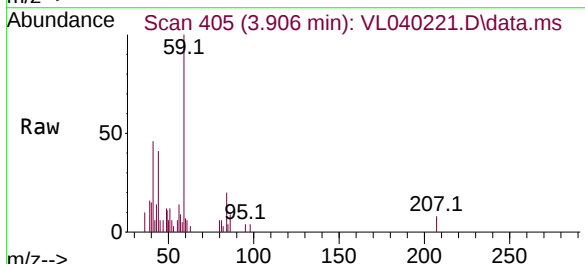
Tgt Ion: 39 Resp: 536
Ion Ratio Lower Upper
39 100
54 62.3 66.7 100.1

Manual Integrations
APPROVED

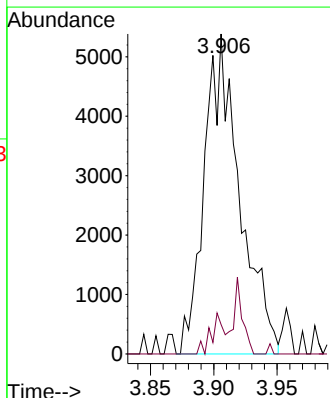
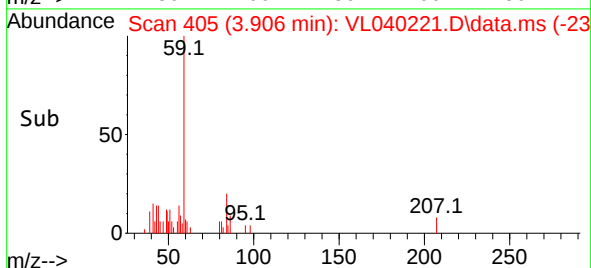
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

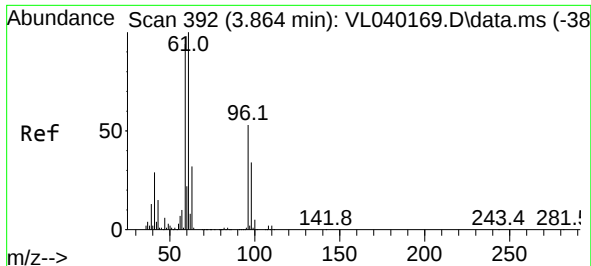


#17
tert-Butyl alcohol
Concen: 0.117 ppbv m
RT: 3.906 min Scan# 405
Delta R.T. 0.036 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



Tgt Ion: 59 Resp: 10433
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7





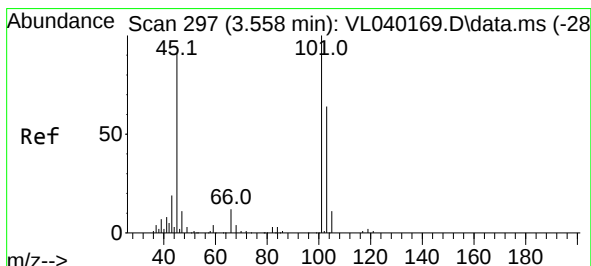
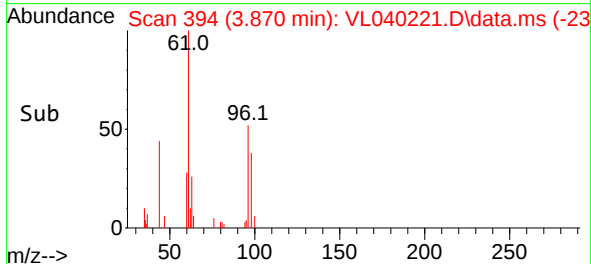
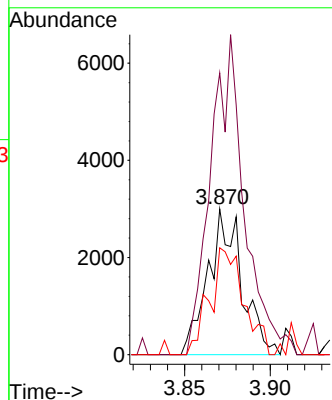
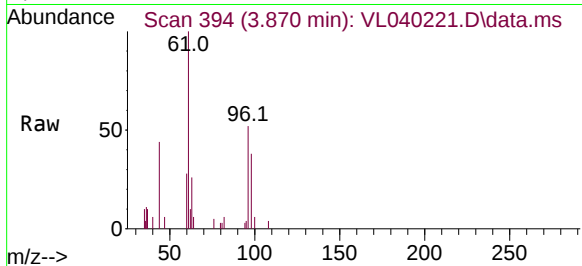
#18
1,1-Dichloroethene
Concen: 0.094 ppbv m
RT: 3.870 min Scan# 309
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 96 Resp: 4094
Ion Ratio Lower Upper
96 100
61 193.4 149.6 224.4
98 73.3 51.1 76.7

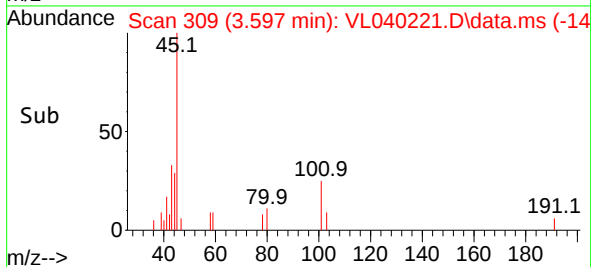
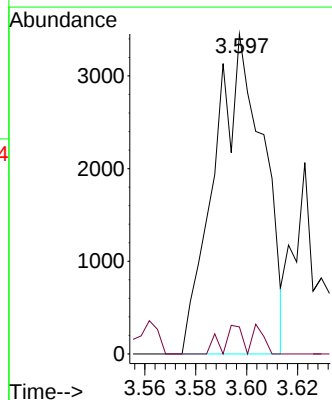
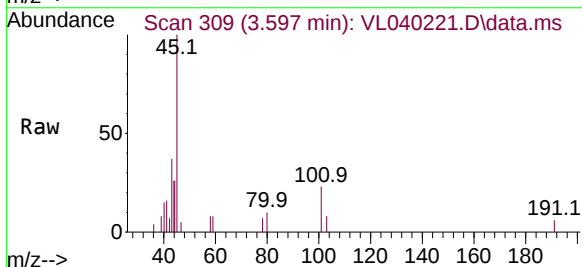
Manual Integrations
APPROVED

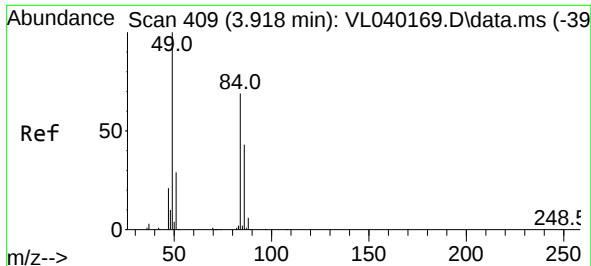
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#19
Isopropyl Alcohol
Concen: 0.099 ppbv m
RT: 3.597 min Scan# 309
Delta R.T. 0.029 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 45 Resp: 4605
Ion Ratio Lower Upper
45 100
58 0.0 2.6 3.8#





#20

Methylene Chloride

Concen: 0.268 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.003 min

Lab File: VL040221.D

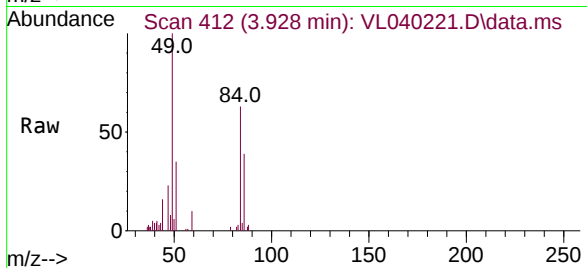
Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion: 84 Resp: 13592

Ion Ratio Lower Upper

84 100

49 157.7 115.5 173.3

51 53.1 33.1 49.7

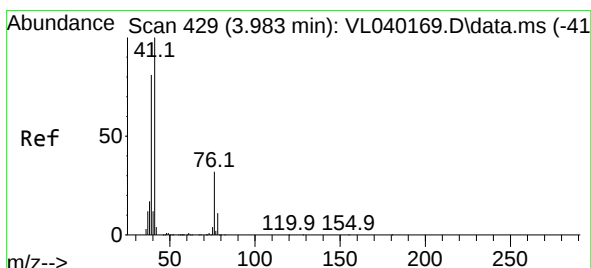
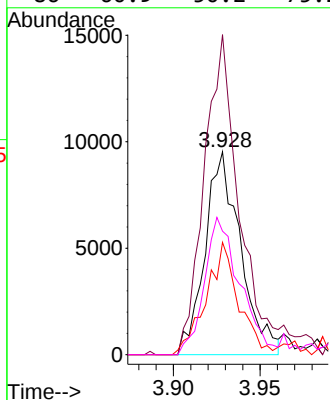
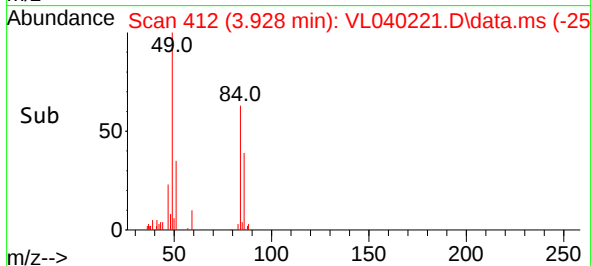
86 60.9 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#21

Allyl Chloride

Concen: 0.104 ppbv m

RT: 3.989 min Scan# 431

Delta R.T. 0.000 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

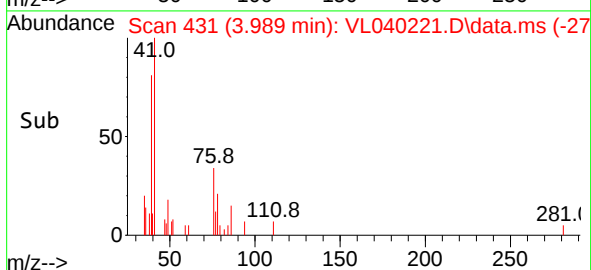
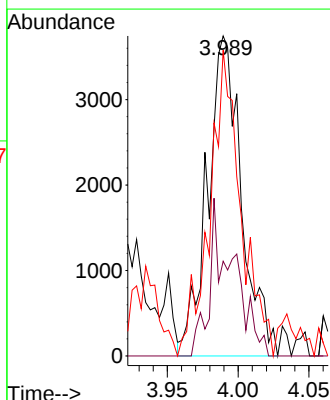
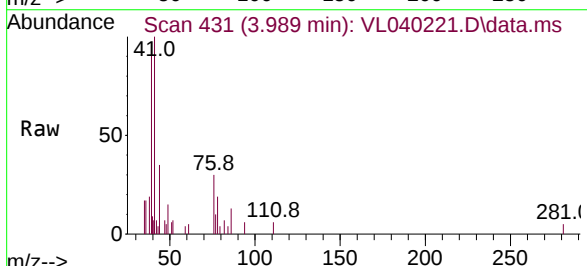
Tgt Ion: 41 Resp: 6244

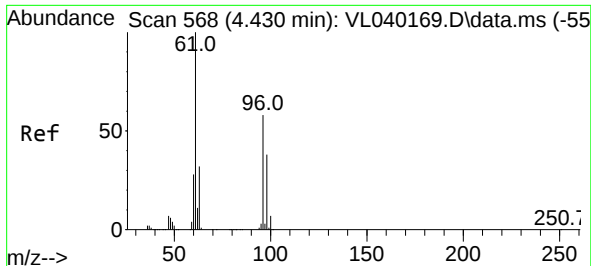
Ion Ratio Lower Upper

41 100

76 34.7 25.5 38.3

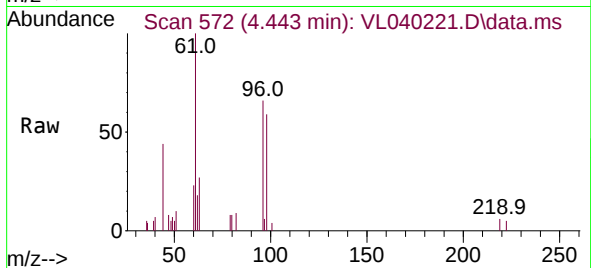
39 93.5 64.5 96.7





#22
trans-1,2-Dichloroethene
Concen: 0.097 ppbv m
RT: 4.443 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

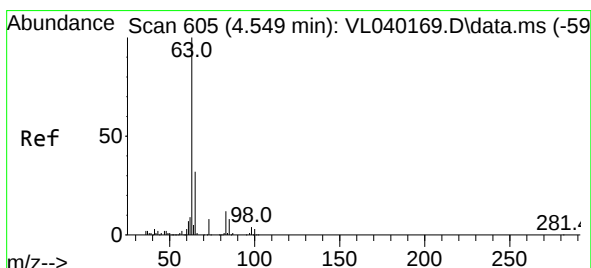
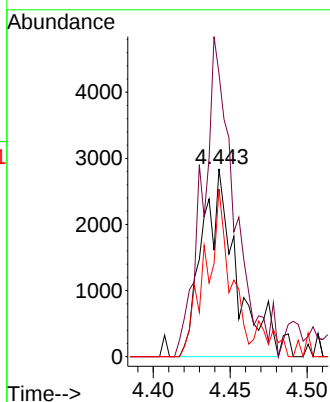
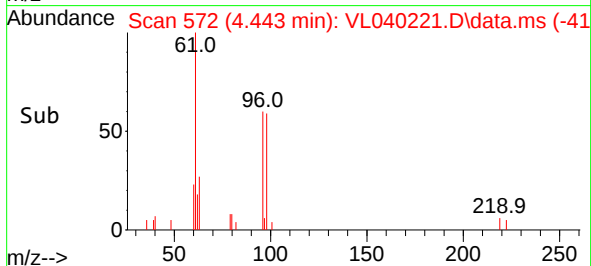
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



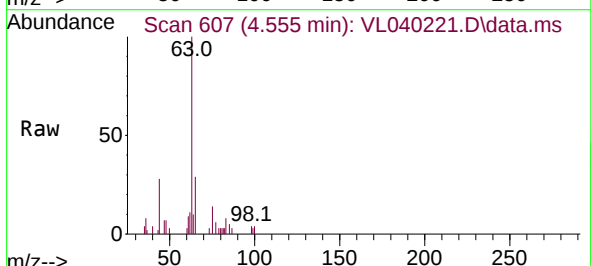
Tgt Ion: 96 Resp: 4374
Ion Ratio Lower Upper
96 100
61 150.6 137.5 206.3
98 89.3 52.8 79.2

Manual Integrations
APPROVED

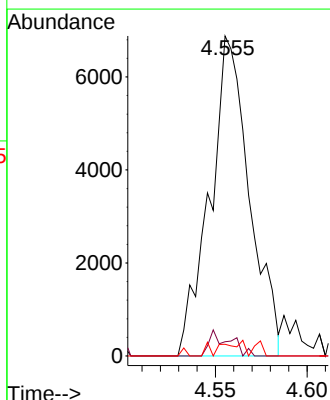
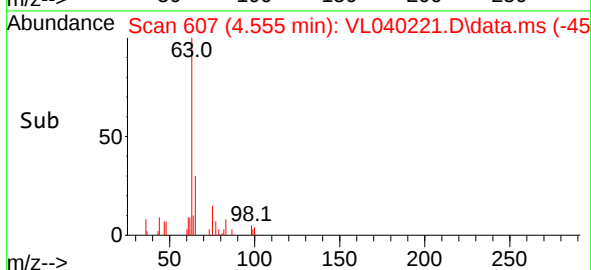
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

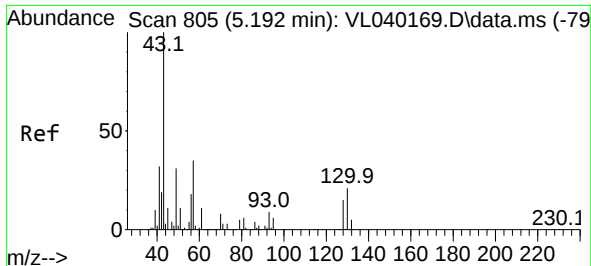


#24
1,1-Dichloroethane
Concen: 0.112 ppbv
RT: 4.555 min Scan# 607
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



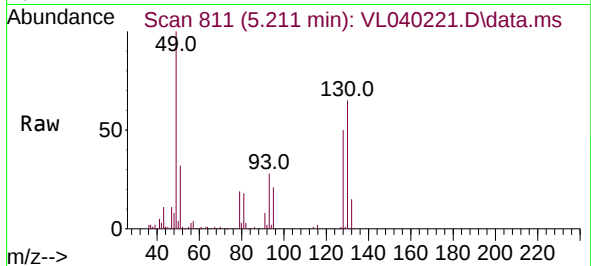
Tgt Ion: 63 Resp: 10322
Ion Ratio Lower Upper
63 100
98 4.4 2.3 6.8
100 3.7 1.4 4.0





#25
Ethyl Acetate
Concen: 0.096 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

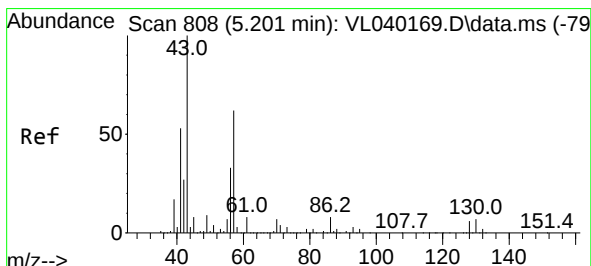
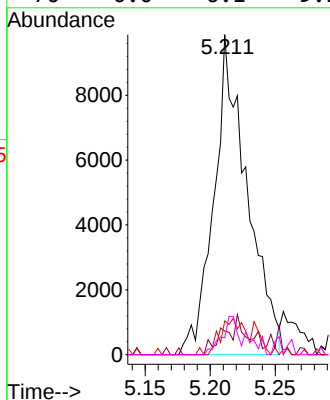
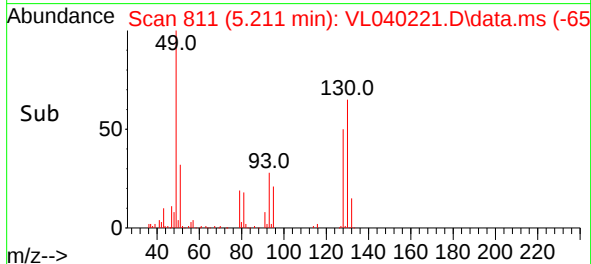
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 43 Resp: 1742
Ion Ratio Lower Upper
43 100
45 0.0 8.3 12.5
61 0.0 8.4 12.6
70 0.0 6.1 9.1

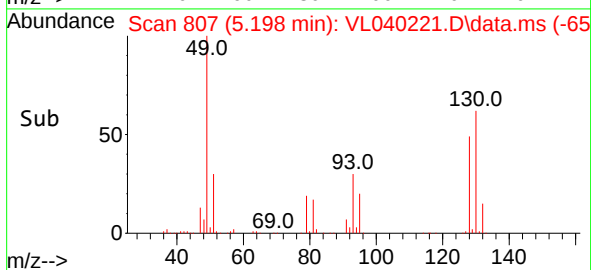
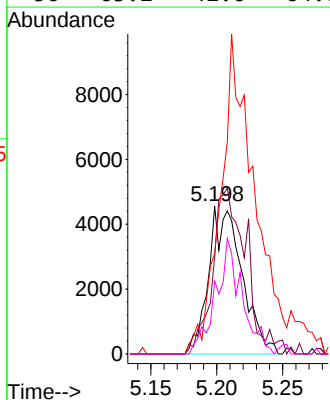
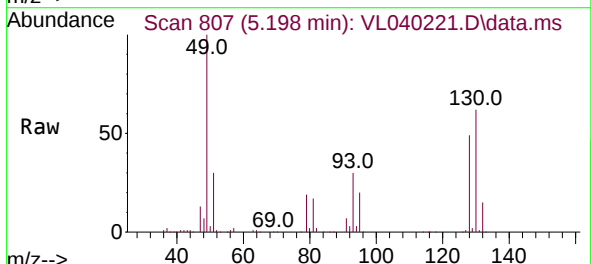
Manual Integrations
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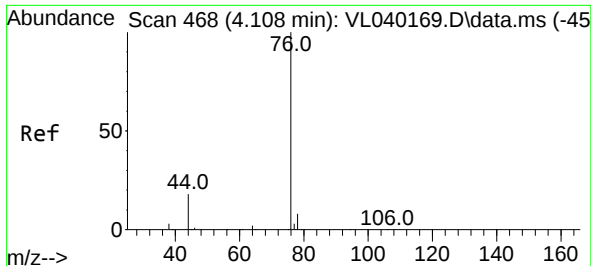
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#26
Hexane
Concen: 0.102 ppbv m
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

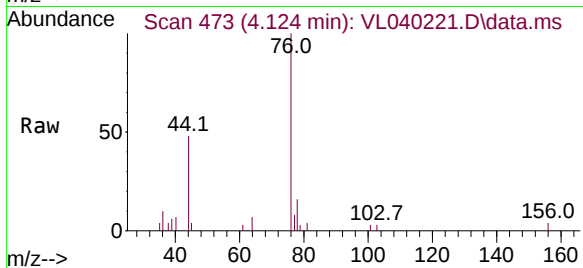
Tgt Ion: 57 Resp: 7971
Ion Ratio Lower Upper
57 100
41 114.8 74.3 111.5
43 238.4 193.0 289.4
56 63.2 42.6 64.0





#27
Carbon Disulfide
Concen: 0.087 ppbv m
RT: 4.124 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

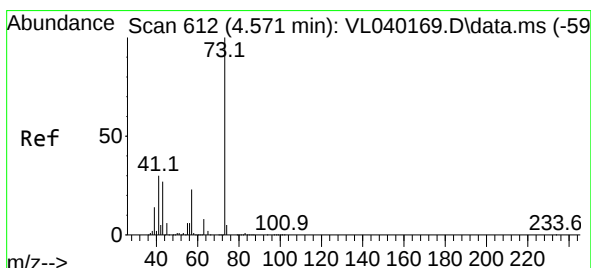
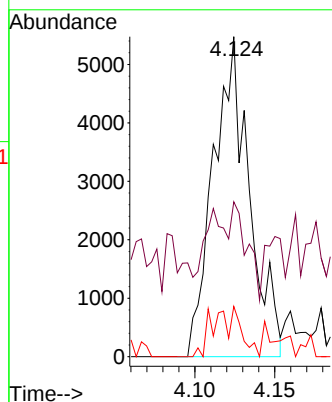
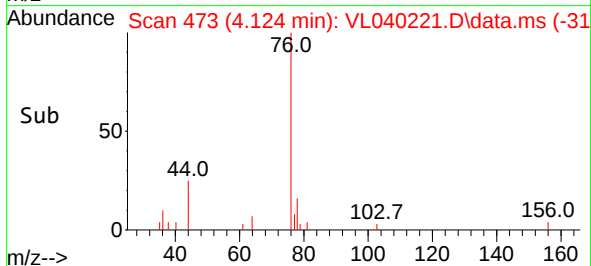
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



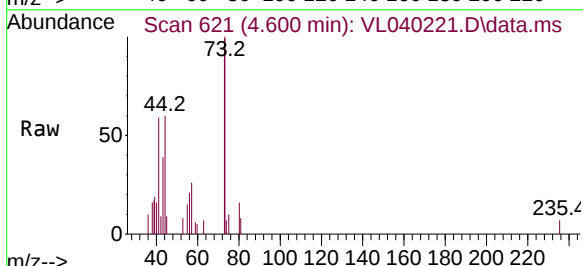
Tgt Ion: 76 Resp: 8544
Ion Ratio Lower Upper
76 100
44 42.7 15.3 22.9
78 18.2 7.7 11.5

Manual Integrations
APPROVED

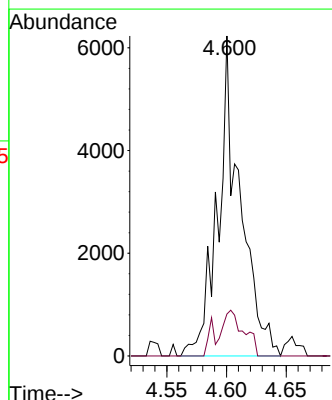
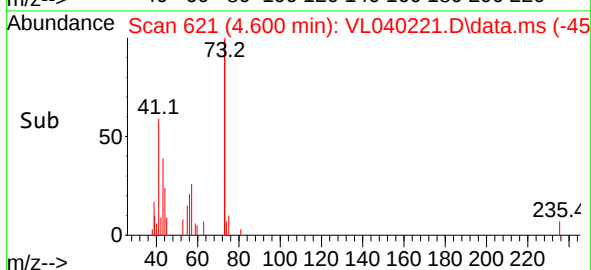
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

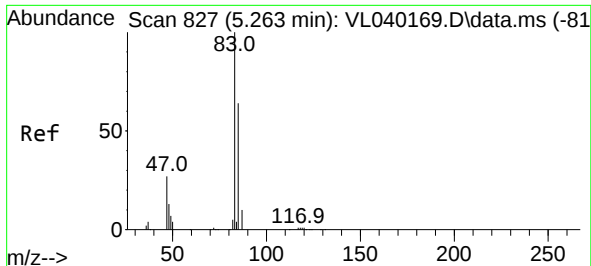


#28
Methyl tert-Butyl Ether
Concen: 0.098 ppbv m
RT: 4.600 min Scan# 621
Delta R.T. 0.019 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



Tgt Ion: 73 Resp: 8130
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2#





#29

Chloroform

Concen: 0.116 ppbv m

RT: 5.263 min Scan# 81

Delta R.T. -0.009 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

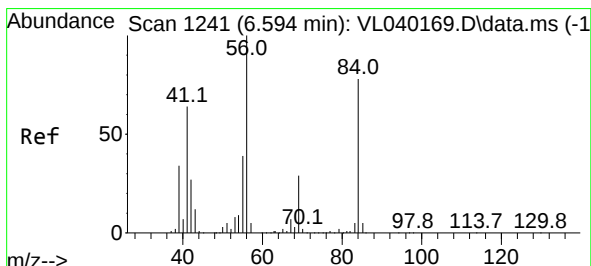
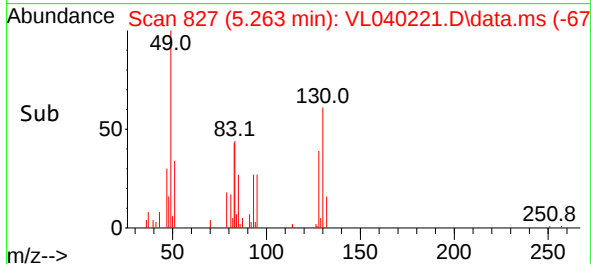
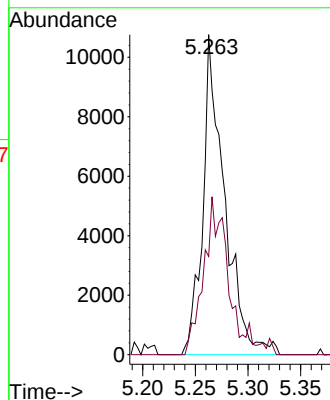
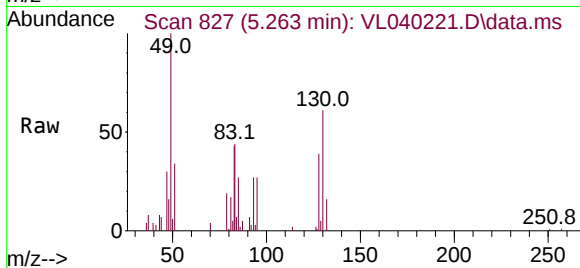
MDL-AIR-03-QT1-2023

Tgt Ion: 83 Resp: 1549
 Ion Ratio Lower Upper
 83 100
 85 60.7 51.5 77.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#30

Cyclohexane

Concen: 0.130 ppbv m

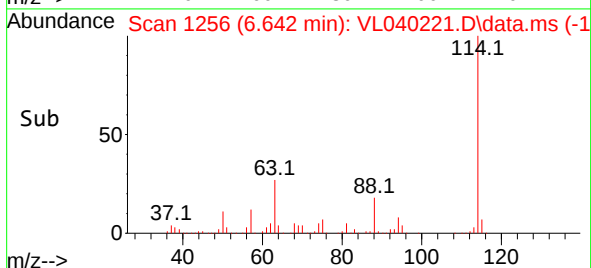
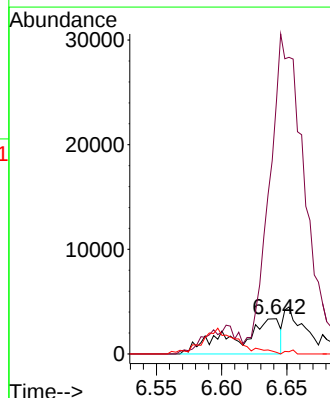
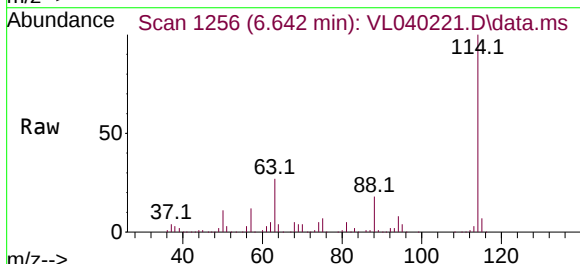
RT: 6.642 min Scan# 1256

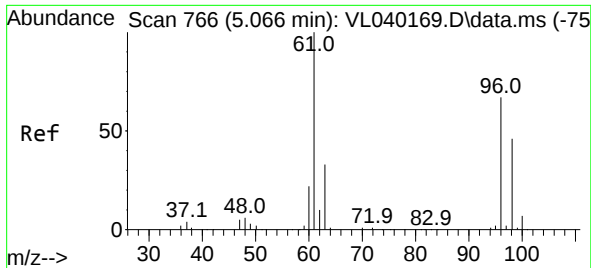
Delta R.T. 0.042 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

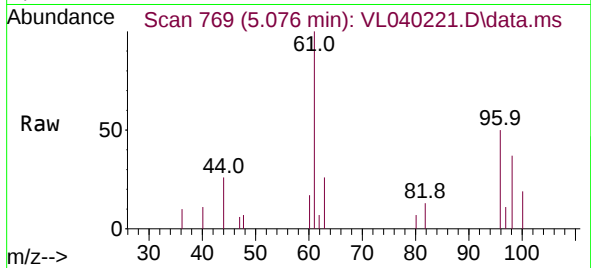
Tgt Ion: 84 Resp: 7956
 Ion Ratio Lower Upper
 84 100
 56 0.0 109.9 164.9#
 41 60.0 67.8 101.6#





#31
 cis-1,2-Dichloroethene
 Concen: 0.096 ppbv m
 RT: 5.076 min Scan# 766
 Delta R.T. 0.000 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49

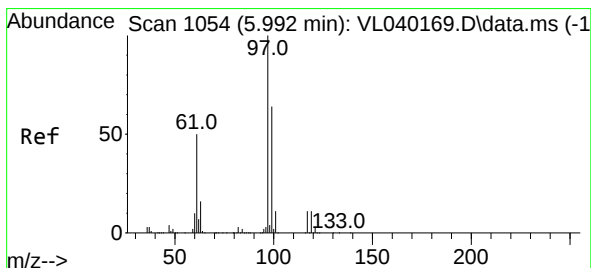
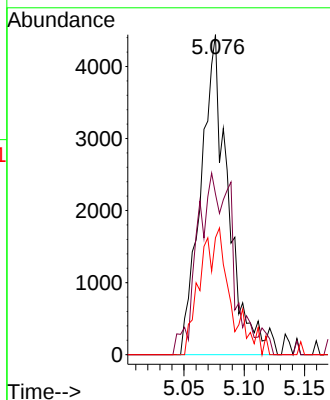
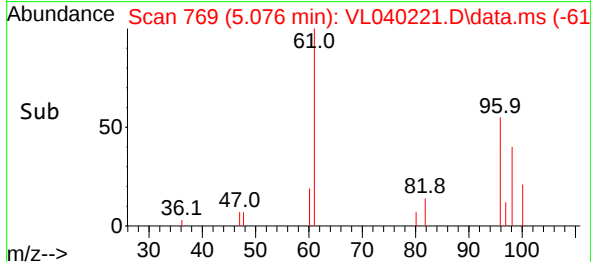
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



Tgt Ion: 61 Resp: 7060
 Ion Ratio Lower Upper
 61 100
 96 50.2 53.7 80.5#
 98 36.6 36.4 54.6

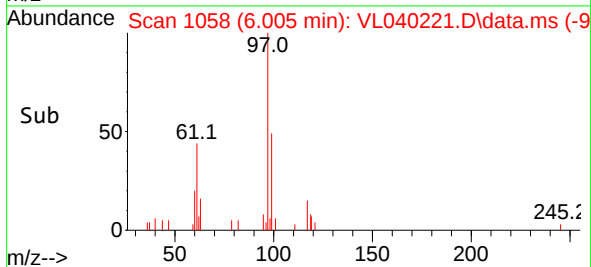
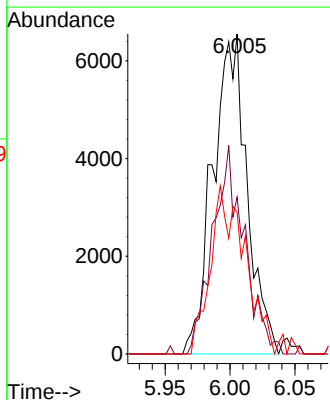
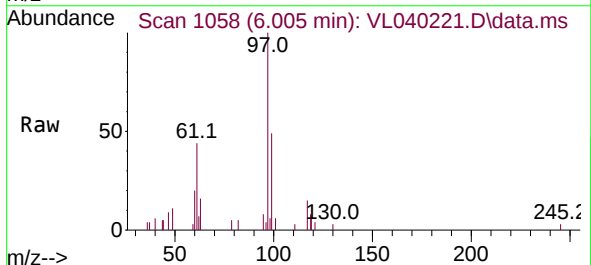
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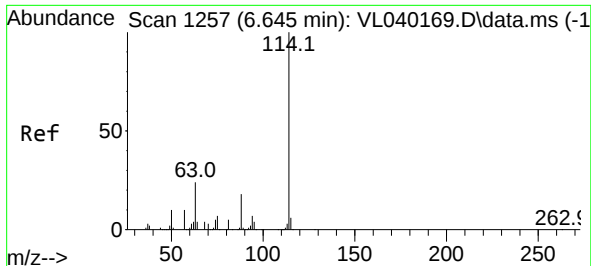
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.095 ppbv m
 RT: 6.005 min Scan# 1058
 Delta R.T. 0.003 min
 Lab File: VL040221.D
 Acq: 23 Feb 2023 13:49

Tgt Ion: 97 Resp: 11984
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.5 77.3#
 61 0.0 40.6 60.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 114

Delta R.T. -0.003 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:114 Resp: 201586

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

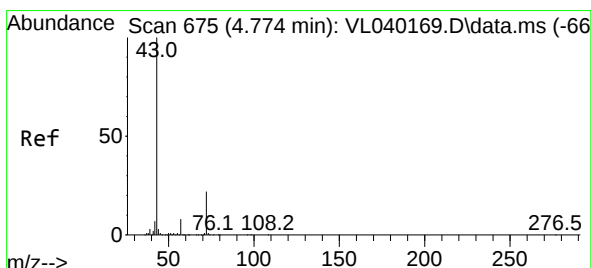
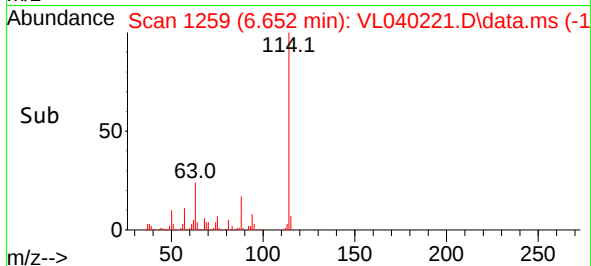
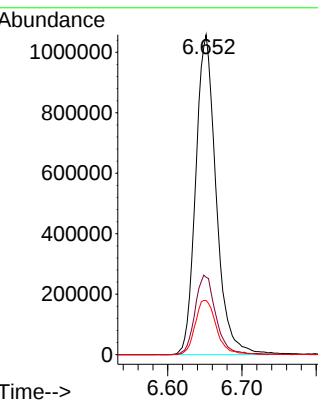
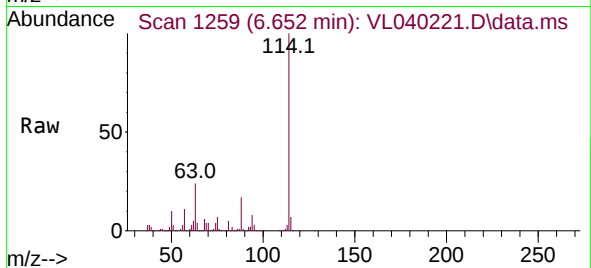
88 17.9 14.3 21.5

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#34

2-Butanone

Concen: 0.111 ppbv m

RT: 4.806 min Scan# 685

Delta R.T. 0.026 min

Lab File: VL040221.D

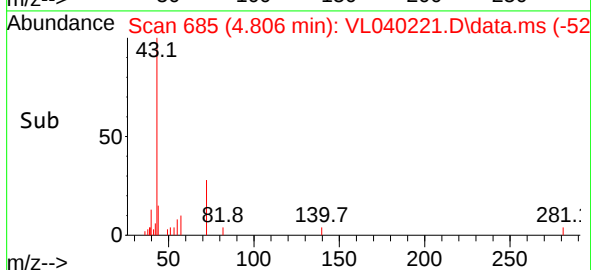
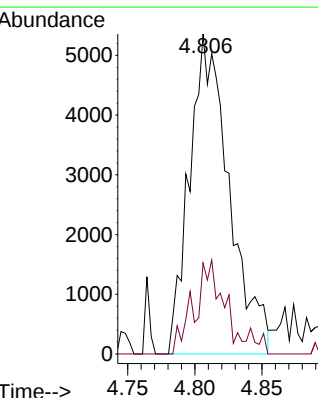
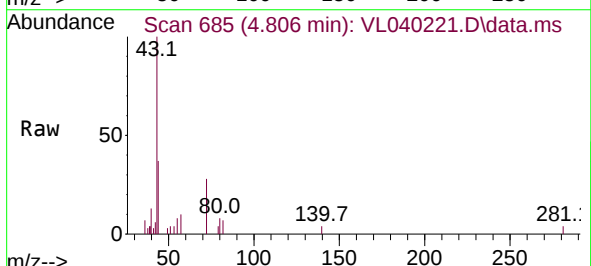
Acq: 23 Feb 2023 13:49

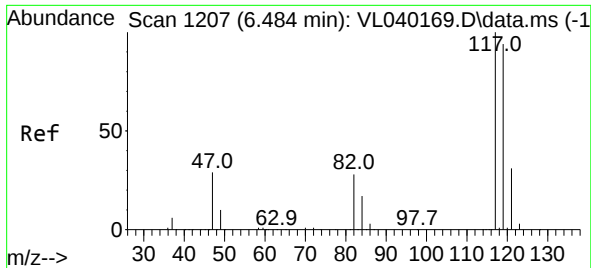
Tgt Ion: 43 Resp: 11007

Ion Ratio Lower Upper

43 100

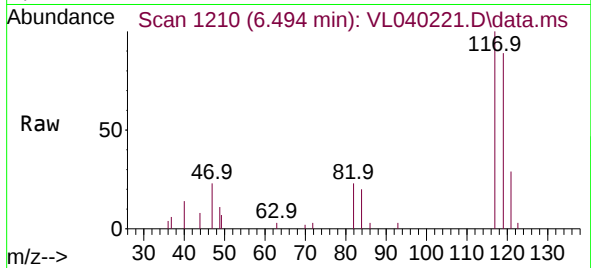
72 0.0 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.100 ppbv m
RT: 6.494 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

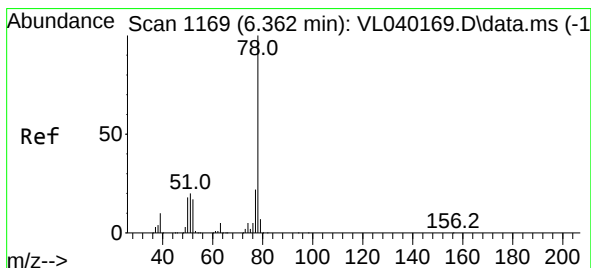
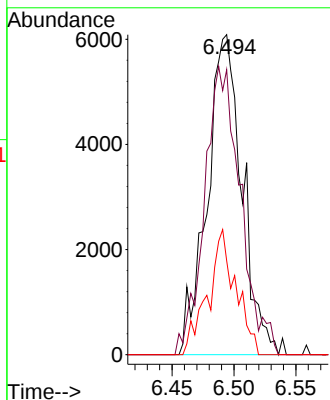
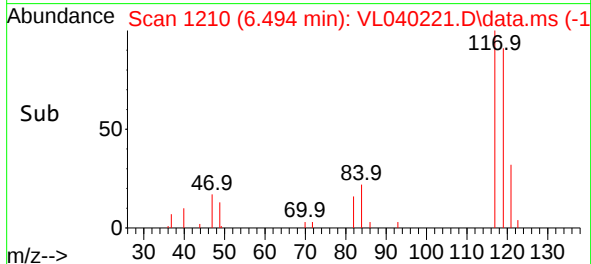
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2023



Tgt Ion: 117 Resp: 1188
Ion Ratio Lower Upper
117 100
119 89.0 75.0 112.6
121 29.4 25.0 37.4

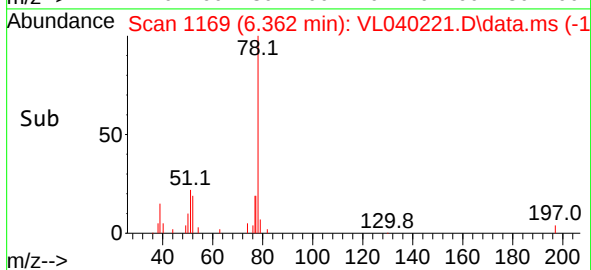
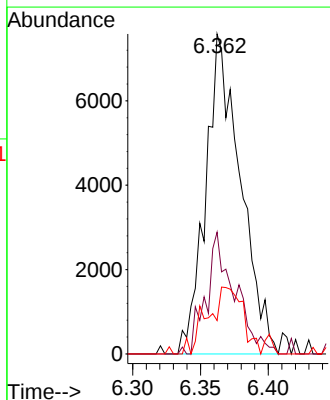
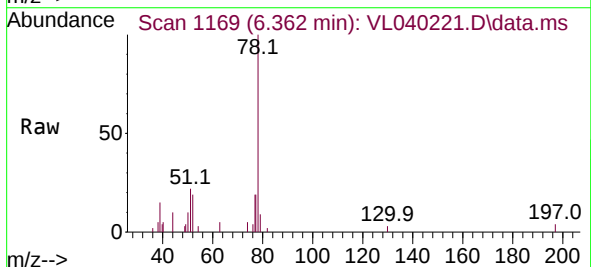
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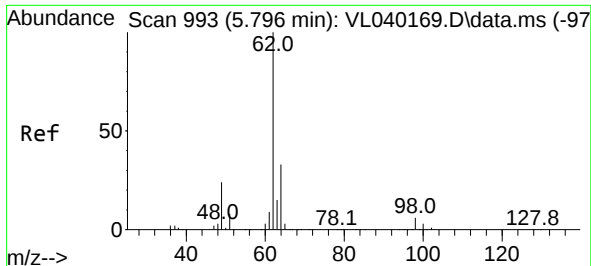
Reviewed By : Semsettin Yesilyurt 02/24/2023
Supervised By : Mahesh Dadoda 02/24/2023



#36
Benzene
Concen: 0.086 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. -0.009 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 78 Resp: 13529
Ion Ratio Lower Upper
78 100
77 38.0 17.5 26.3#
50 10.5 14.6 22.0#





#37

1,2-Dichloroethane

Concen: 0.109 ppbv m

RT: 5.809 min Scan# 997

Delta R.T. 0.003 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

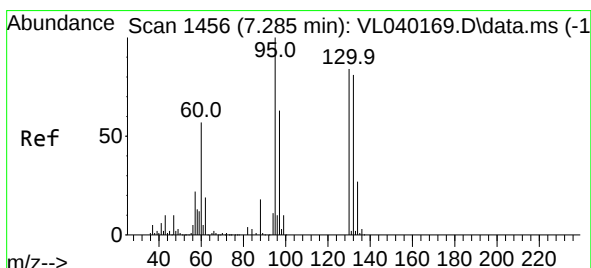
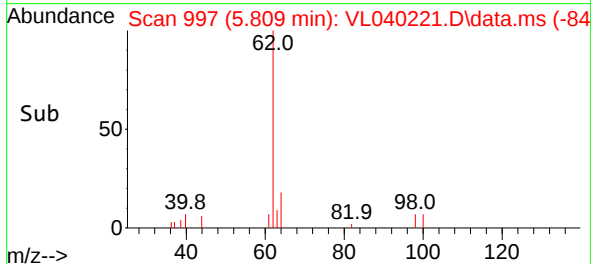
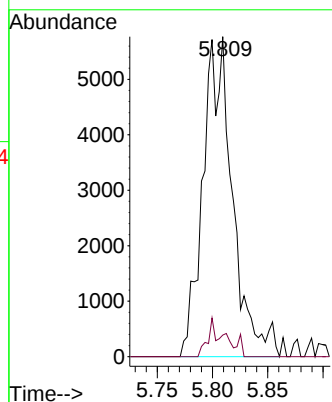
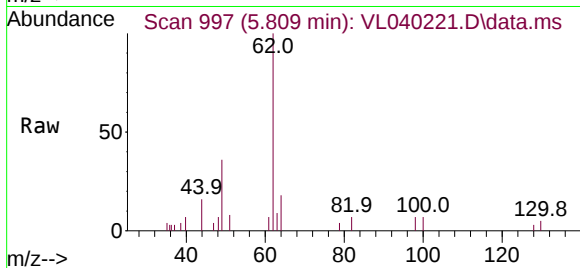
MDL-AIR-03-QT1-2023

Tgt Ion: 62 Resp: 10715
 Ion Ratio Lower Upper
 62 100
 98 6.9 4.7 7.1

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Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#38

Trichloroethene

Concen: 0.093 ppbv m

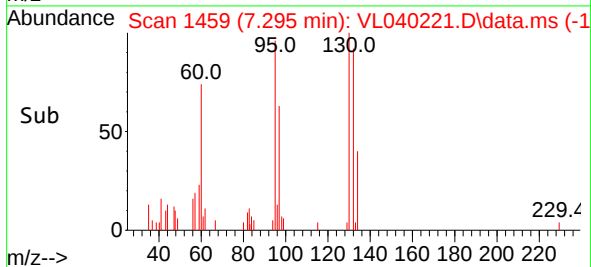
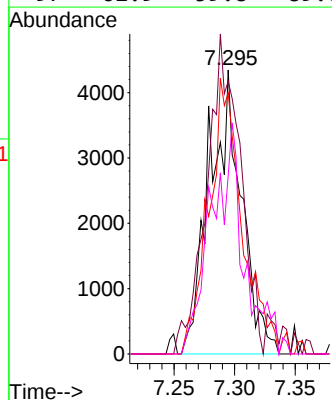
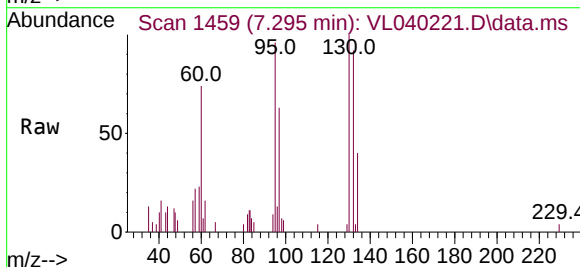
RT: 7.295 min Scan# 1459

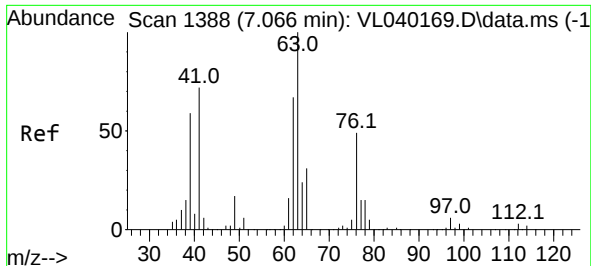
Delta R.T. 0.003 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Tgt Ion:130 Resp: 8056
 Ion Ratio Lower Upper
 130 100
 95 96.0 94.7 142.1
 132 91.8 76.4 114.6
 97 62.9 59.8 89.6





#39

1,2-Dichloropropane

Concen: 0.104 ppbv m

RT: 7.076 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

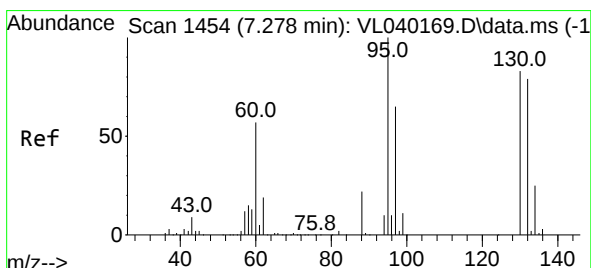
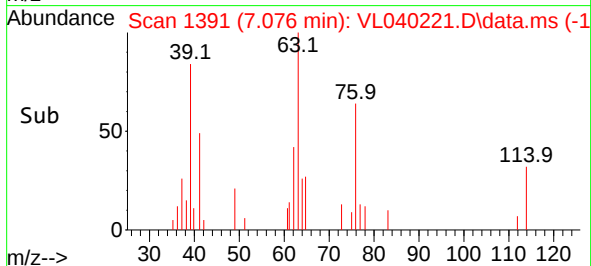
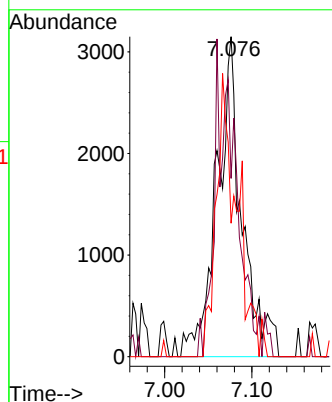
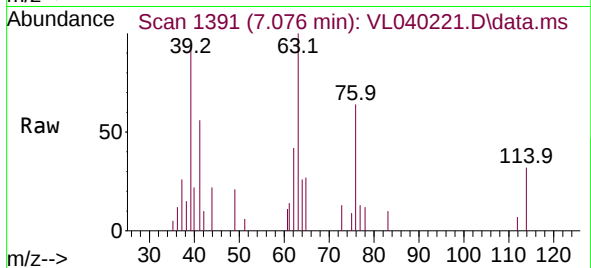
Tgt Ion: 63 Resp: 635

Ion	Ratio	Lower	Upper
63	100		
41	55.7	57.6	86.4
62	41.7	54.0	81.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#40

1,4-Dioxane

Concen: 0.083 ppbv m

RT: 7.353 min Scan# 1477

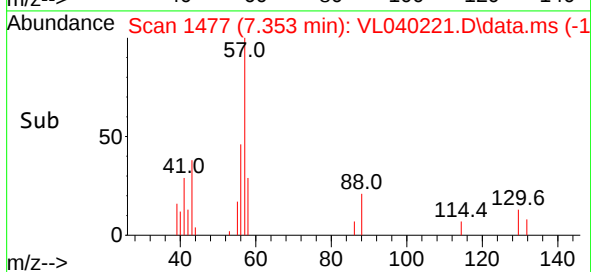
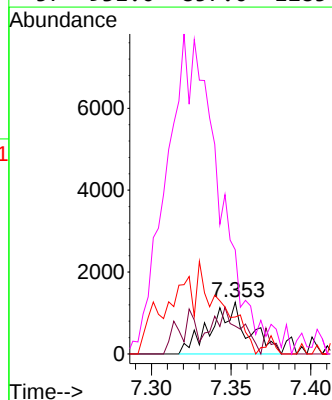
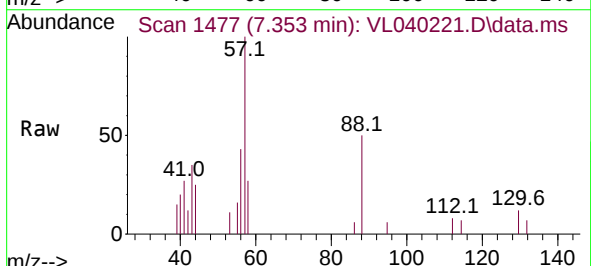
Delta R.T. 0.064 min

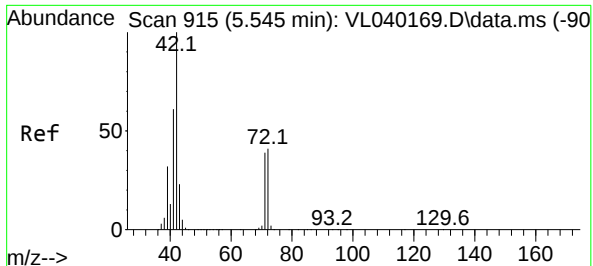
Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Tgt Ion: 88 Resp: 2024

Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.4	146.0
43	251.7	193.5	290.3
57	931.0	857.0	1285.6





#41

Tetrahydrofuran

Concen: 0.090 ppbv m

RT: 5.597 min Scan# 915

Delta R.T. 0.042 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

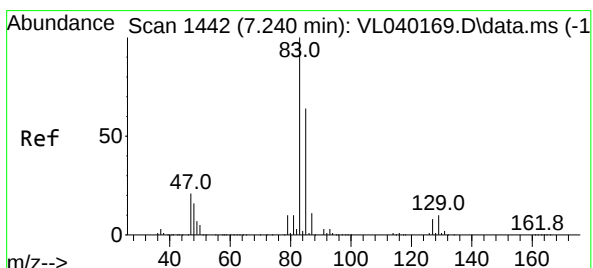
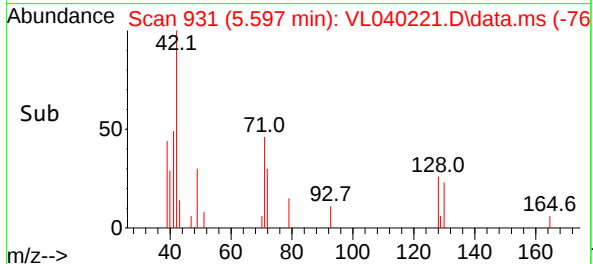
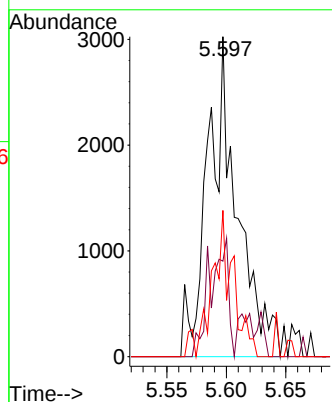
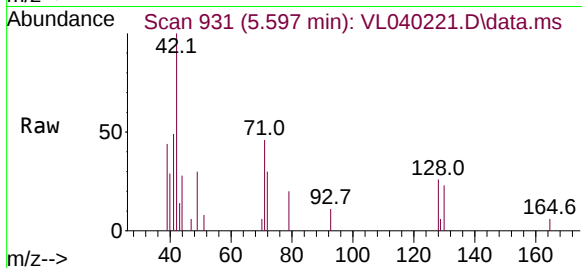
MDL-AIR-03-QT1-2023

Tgt Ion:	42	Resp:	521
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.0	49.4
71	0.0	31.4	47.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#42

Bromodichloromethane

Concen: 0.089 ppbv m

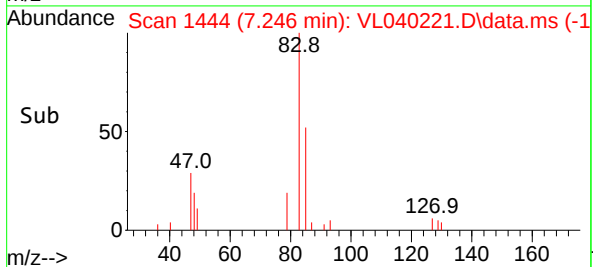
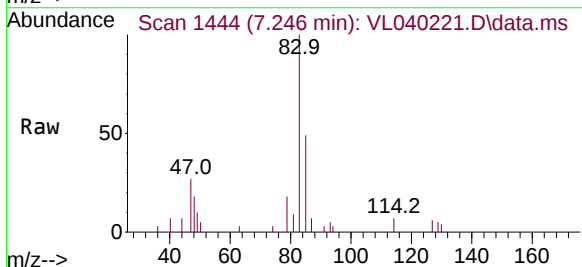
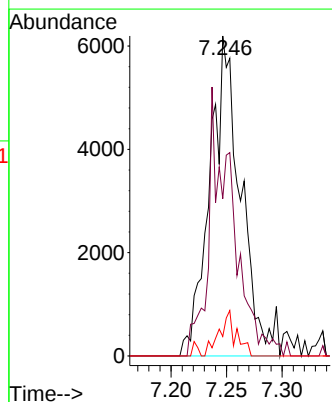
RT: 7.246 min Scan# 1444

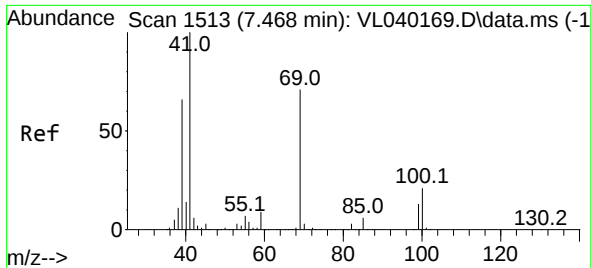
Delta R.T. -0.006 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

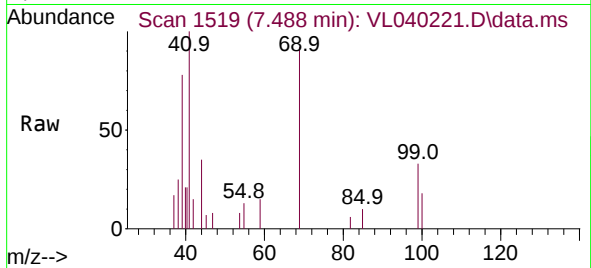
Tgt Ion:	83	Resp:	12105
Ion	Ratio	Lower	Upper
83	100		
85	49.2	50.9	76.3
127	6.1	6.2	9.2





#43
Methyl Methacrylate
Concen: 0.061 ppbv m
RT: 7.488 min Scan# 1519
Delta R.T. 0.010 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

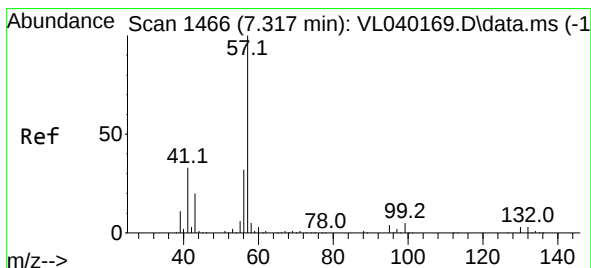
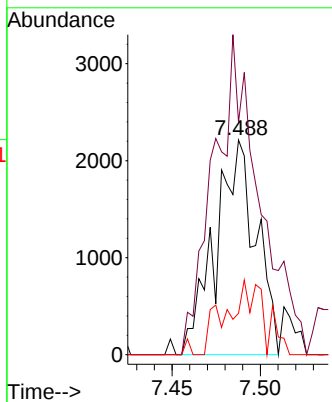
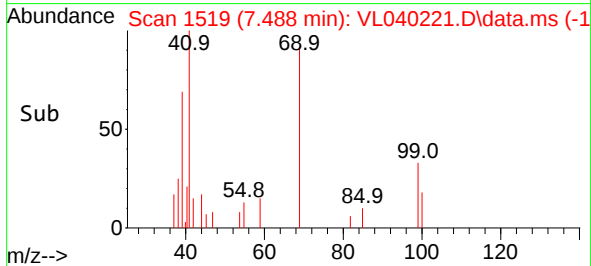
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT1-2023



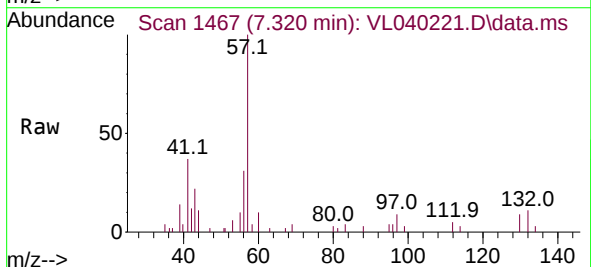
Tgt Ion: 69 Resp: 3542
Ion Ratio Lower Upper
69 100
41 0.0 116.6 174.8#
100 0.0 25.6 38.4#

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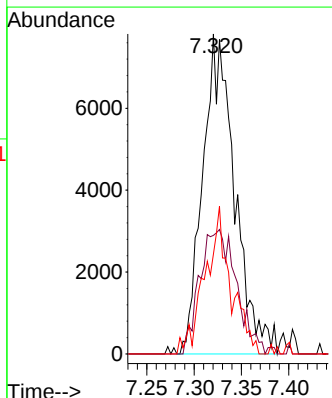
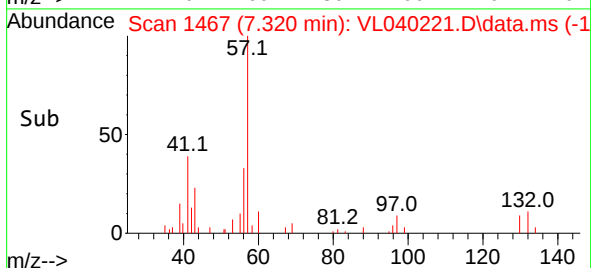
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

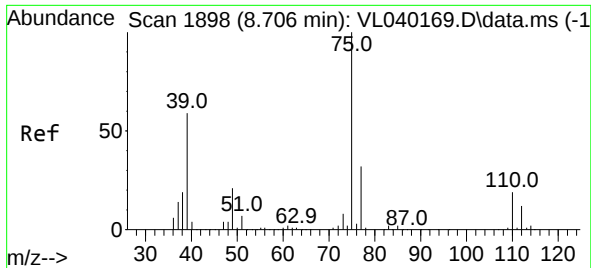


#44
2,2,4-Trimethylpentane
Concen: 0.070 ppbv m
RT: 7.320 min Scan# 1467
Delta R.T. -0.009 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



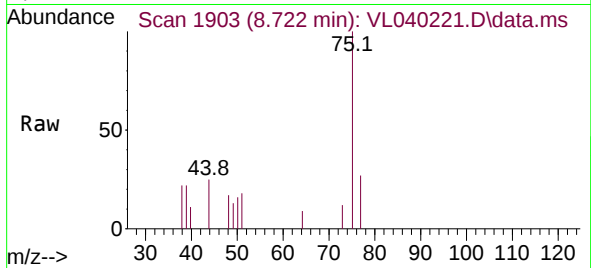
Tgt Ion: 57 Resp: 18397
Ion Ratio Lower Upper
57 100
41 45.2 26.2 39.4#
56 37.3 24.9 37.3#





#45
t-1,3-Dichloropropene
Concen: 0.061 ppbv m
RT: 8.722 min Scan# 1903
Delta R.T. 0.007 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

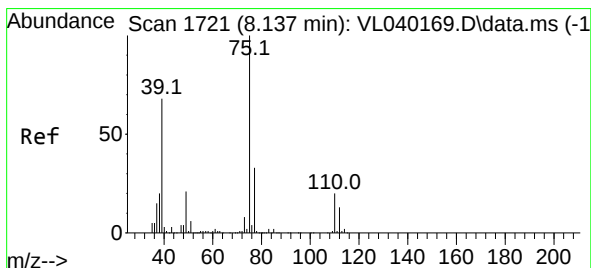
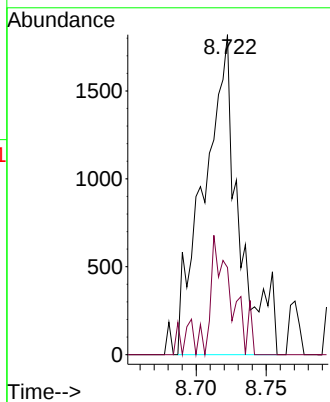
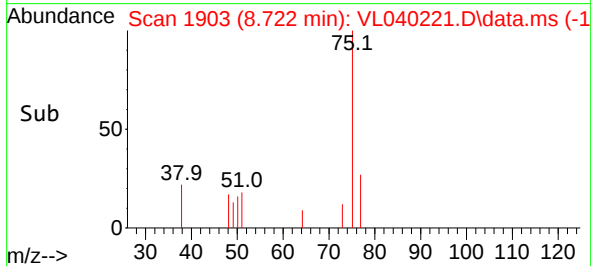
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 75 Resp: 3150
Ion Ratio Lower Upper
75 100
77 27.3 25.7 38.5

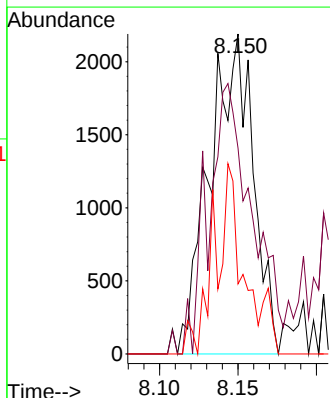
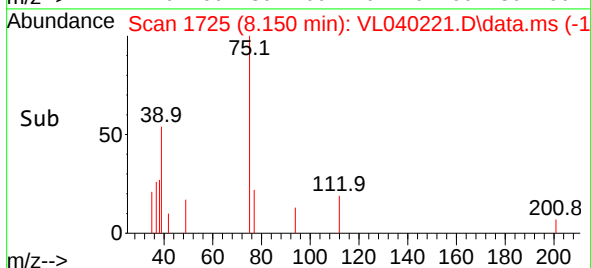
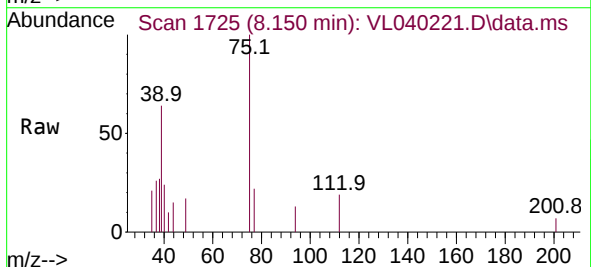
Manual Integrations
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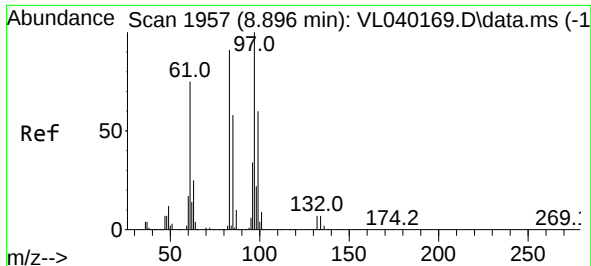
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#46
cis-1,3-Dichloropropene
Concen: 0.059 ppbv m
RT: 8.150 min Scan# 1725
Delta R.T. 0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 75 Resp: 4229
Ion Ratio Lower Upper
75 100
39 64.3 54.2 81.2
77 21.9 26.0 39.0#





#47

1,1,2-Trichloroethane

Concen: 0.100 ppbv m

RT: 8.896 min Scan# 1957

Delta R.T. -0.009 min

Lab File: VL040221.D

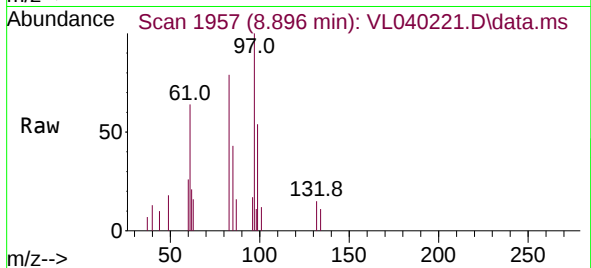
Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion: 97 Resp: 661

Ion Ratio Lower Upper

97 100

83 78.8 72.8 109.2

85 43.1 46.6 69.8

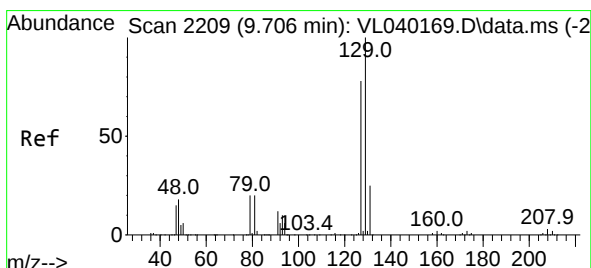
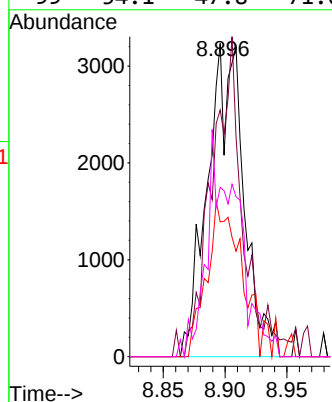
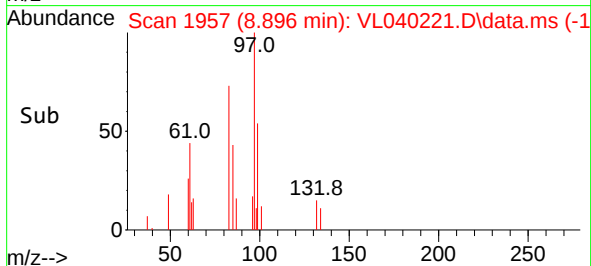
99 54.1 47.8 71.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#48

Dibromochloromethane

Concen: 0.071 ppbv m

RT: 9.703 min Scan# 2208

Delta R.T. -0.013 min

Lab File: VL040221.D

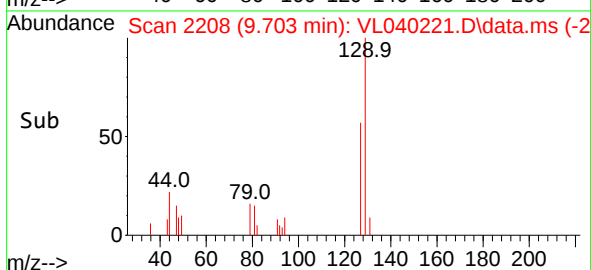
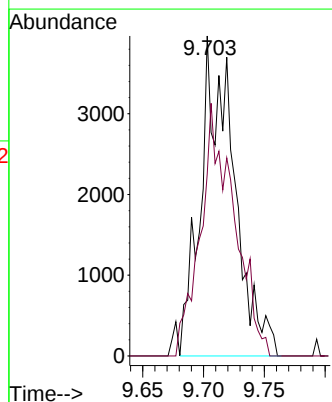
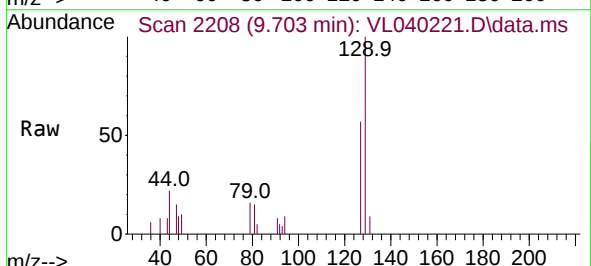
Acq: 23 Feb 2023 13:49

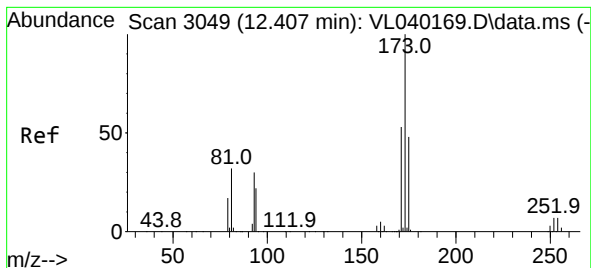
Tgt Ion:129 Resp: 7489

Ion Ratio Lower Upper

129 100

127 80.6 39.1 117.2





#49

Bromoform

Concen: 0.066 ppbv m

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

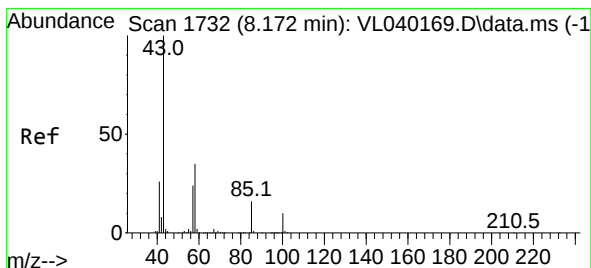
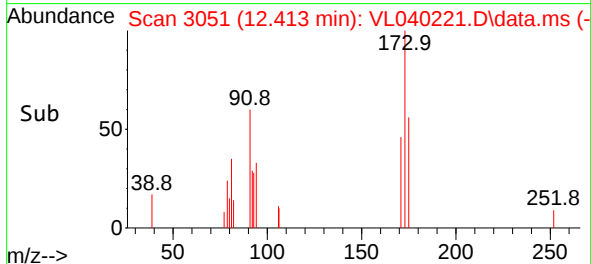
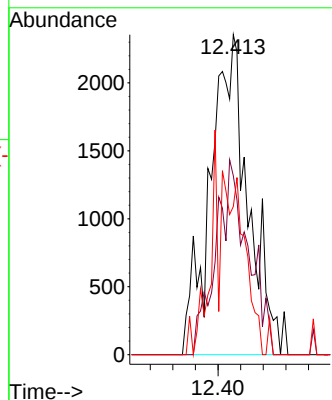
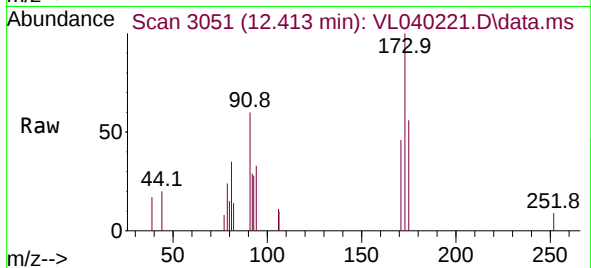
MDL-AIR-03-QT1-2023

Tgt Ion:173	Resp:	543
Ion Ratio	Lower	Upper
173	100	
175	52.8	39.4 59.0
171	0.0	41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#50

4-Methyl-2-Pentanone

Concen: 0.073 ppbv m

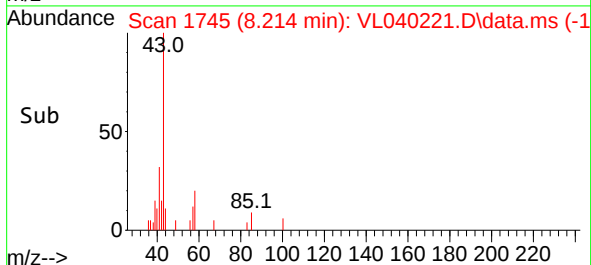
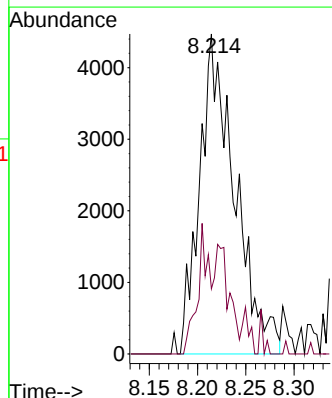
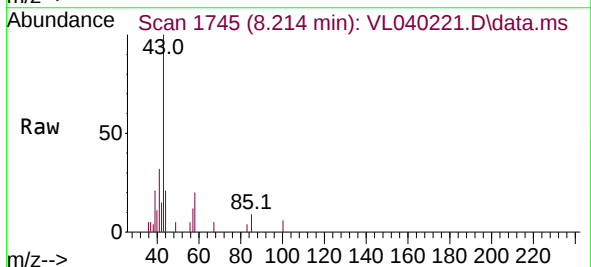
RT: 8.214 min Scan# 1745

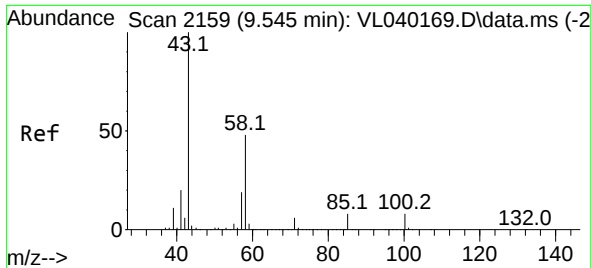
Delta R.T. 0.032 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Tgt Ion: 43	Resp:	11287
Ion Ratio	Lower	Upper
43	100	
58	32.0	29.2 43.8





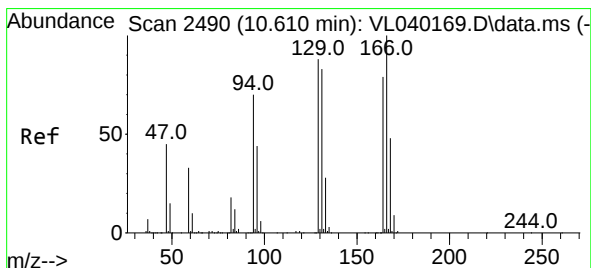
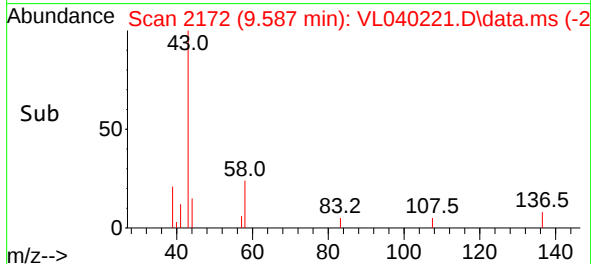
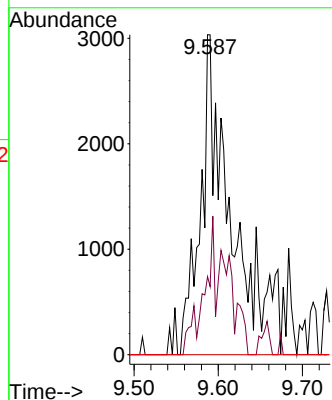
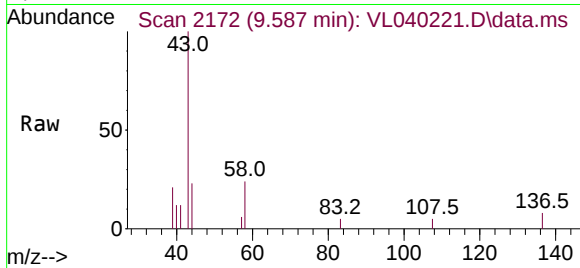
#51
2-Hexanone
Concen: 0.065 ppbv m
RT: 9.587 min Scan# 2159
Delta R.T. 0.032 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7
98 0.0 0.2 0.4

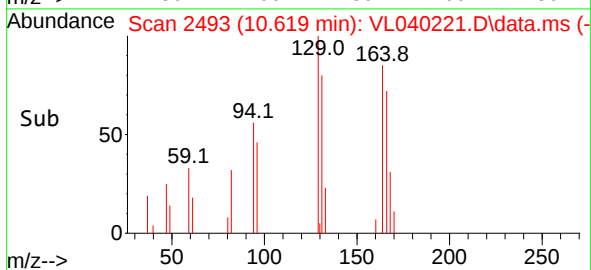
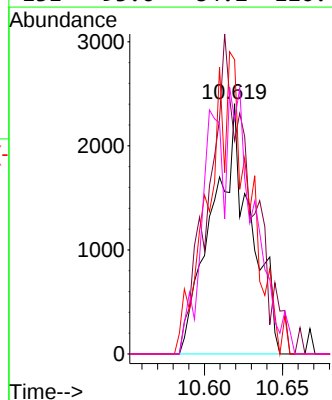
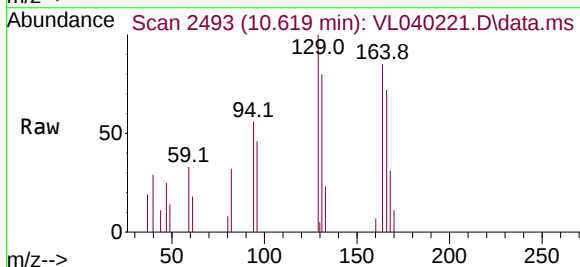
Manual Integrations
APPROVED

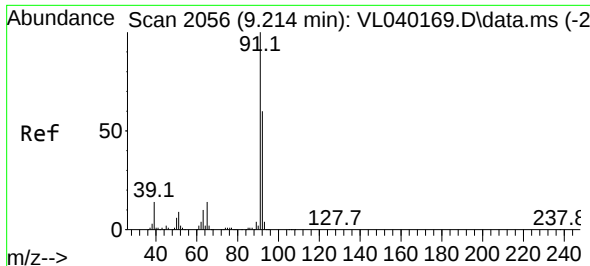
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#52
Tetrachloroethene
Concen: 0.083 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

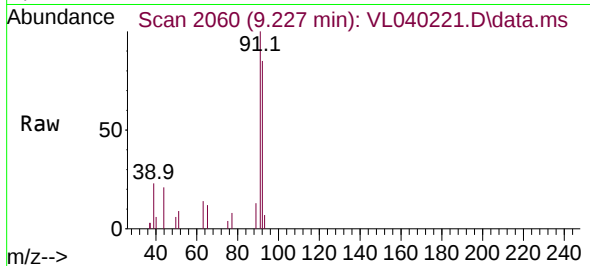
Tgt Ion:164 Resp: 4087
Ion Ratio Lower Upper
164 100
166 85.2 101.5 152.3
129 117.6 89.0 133.4
131 93.6 84.2 126.4





#53
Toluene
Concen: 0.064 ppbv m
RT: 9.227 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

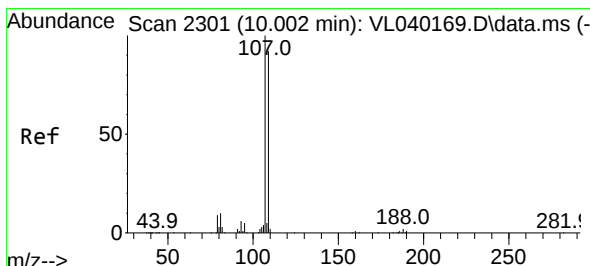
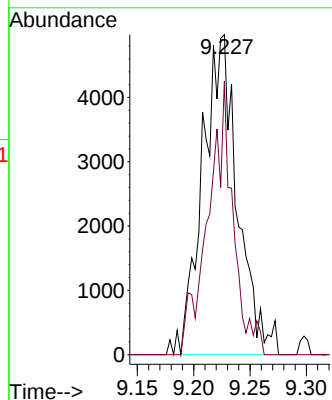
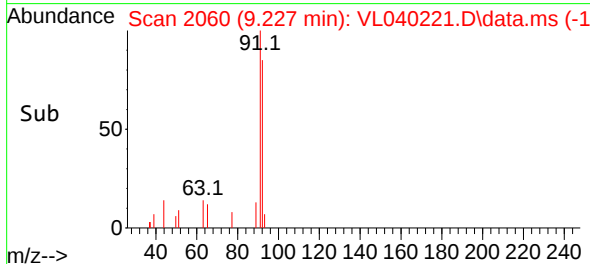
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



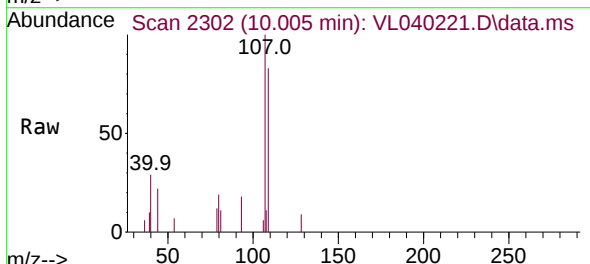
Tgt Ion: 91 Resp: 10689
Ion Ratio Lower Upper
91 100
92 61.3 48.9 73.3

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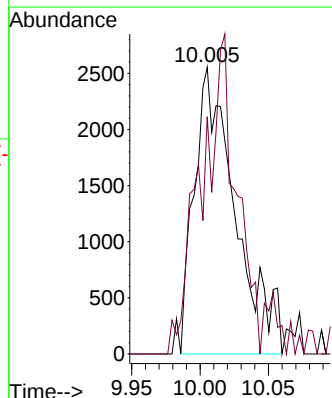
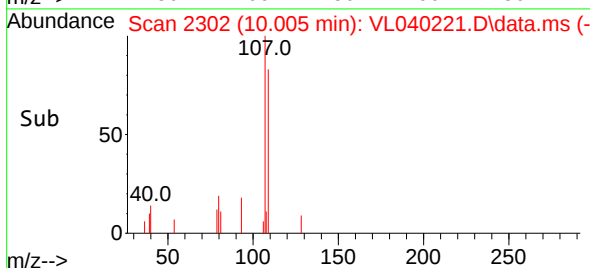
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

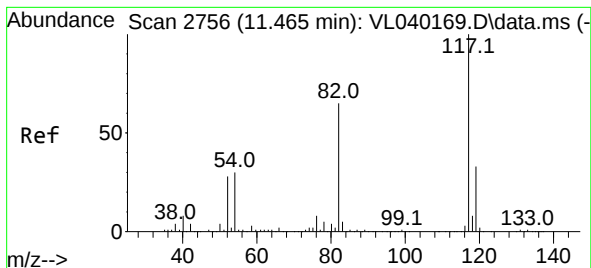


#54
1,2-Dibromoethane
Concen: 0.078 ppbv m
RT: 10.005 min Scan# 2302
Delta R.T. -0.009 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



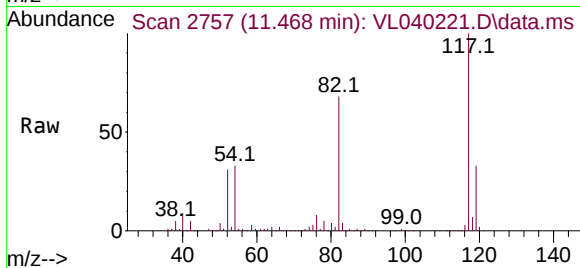
Tgt Ion:107 Resp: 5341
Ion Ratio Lower Upper
107 100
109 82.8 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

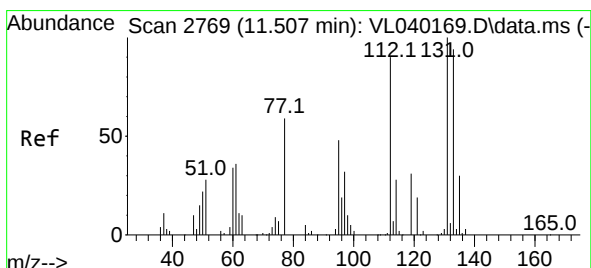
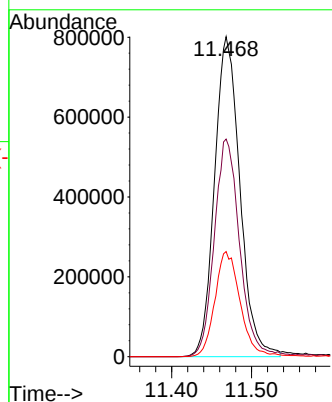
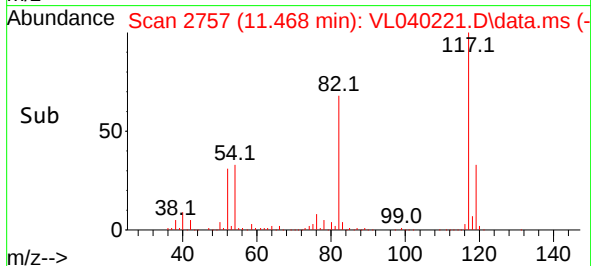
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



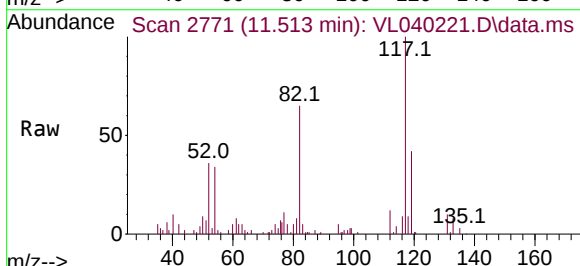
Tgt Ion:117 Resp: 176729
Ion Ratio Lower Upper
117 100
82 69.0 53.3 79.9
119 32.8 24.6 37.0

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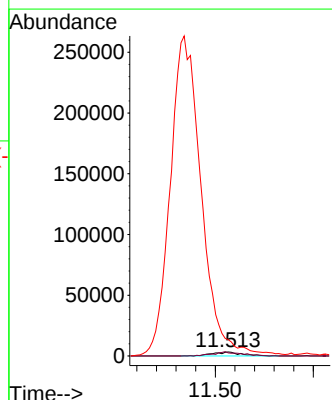
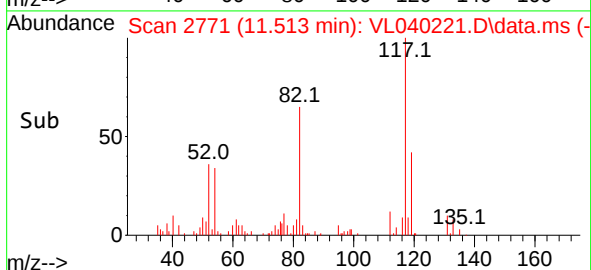
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

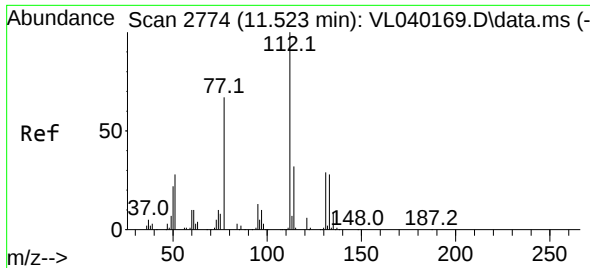


#56
1,1,1,2-Tetrachloroethane
Concen: 0.091 ppbv m
RT: 11.513 min Scan# 2771
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



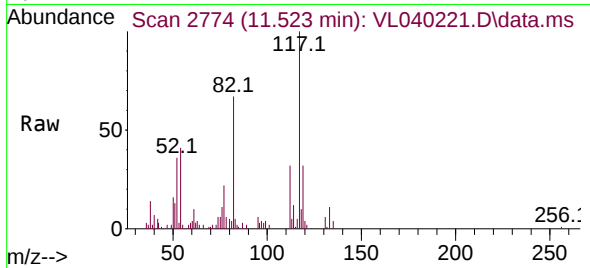
Tgt Ion:131 Resp: 6760
Ion Ratio Lower Upper
131 100
133 98.6 76.2 114.2
119 0.0 45.4 68.0#





#57
Chlorobenzene
Concen: 0.105 ppbv m
RT: 11.523 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

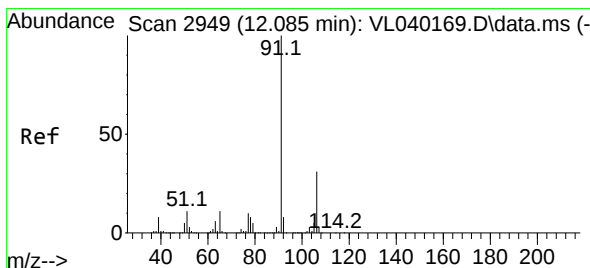
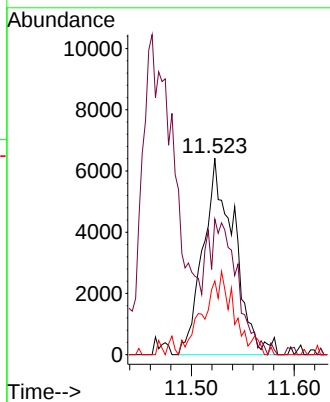
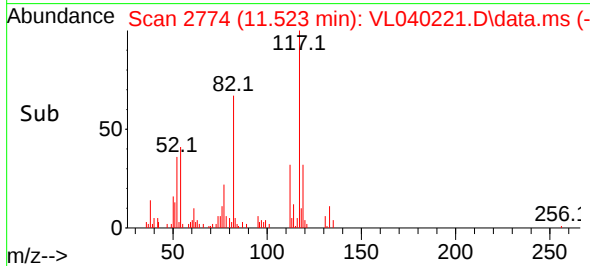
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 112 Resp: 13539
Ion Ratio Lower Upper
112 100
77 69.0 55.0 82.4
114 37.5 29.0 35.4

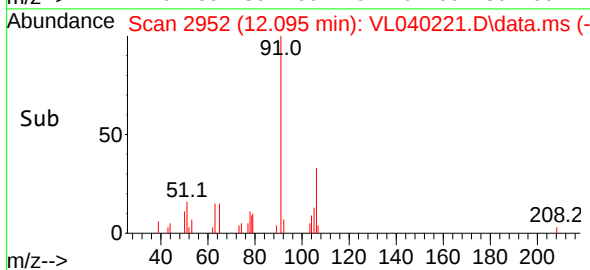
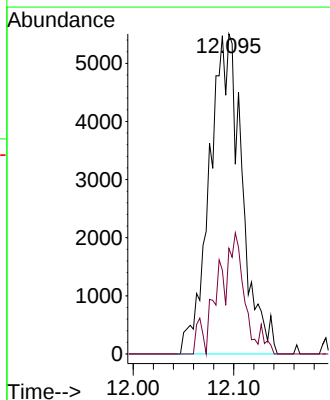
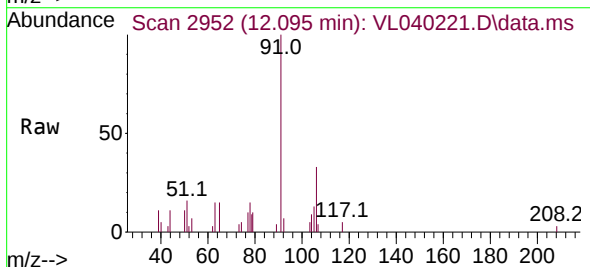
Manual Integrations
APPROVED

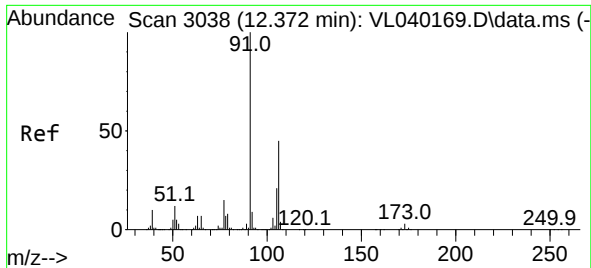
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#58
Ethyl Benzene
Concen: 0.058 ppbv m
RT: 12.095 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion: 91 Resp: 12387
Ion Ratio Lower Upper
91 100
106 33.0 24.9 37.3





#59

m/p-Xylene

Concen: 0.122 ppbv m

RT: 12.375 min Scan# 3038

Delta R.T. -0.006 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 2314

Ion Ratio Lower Upper

91 100

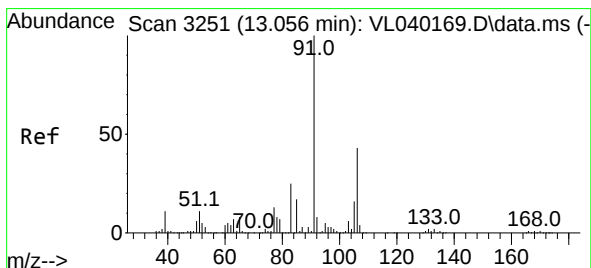
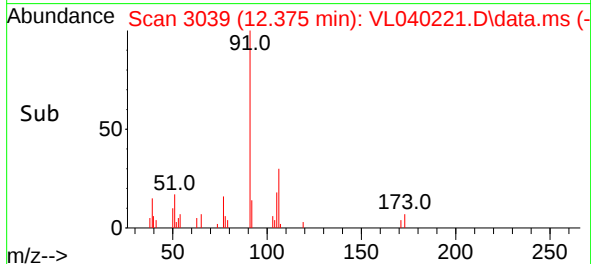
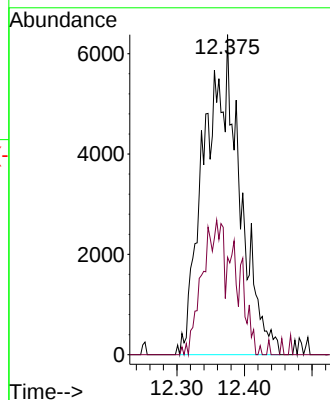
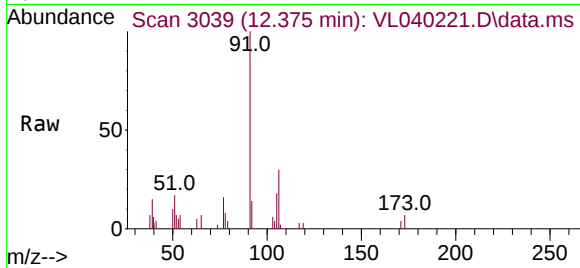
106 0.0 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#60

o-Xylene

Concen: 0.053 ppbv m

RT: 13.066 min Scan# 3254

Delta R.T. 0.000 min

Lab File: VL040221.D

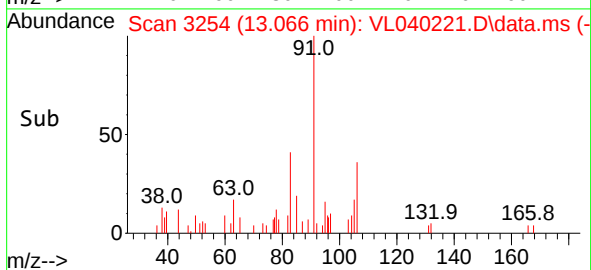
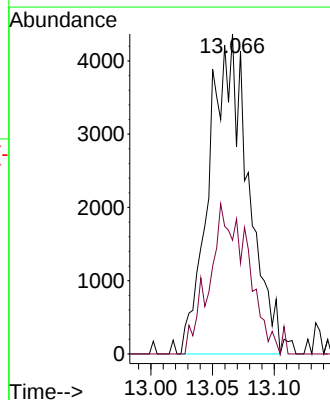
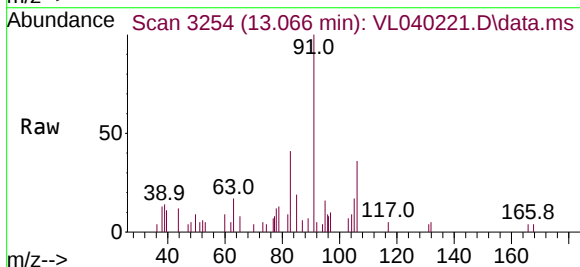
Acq: 23 Feb 2023 13:49

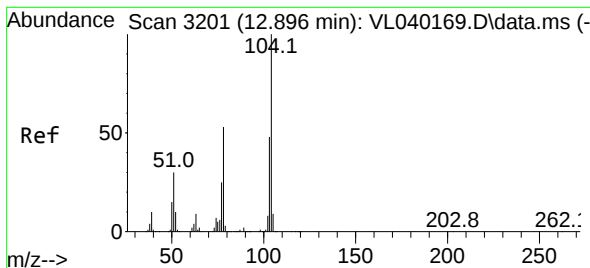
Tgt Ion: 91 Resp: 9619

Ion Ratio Lower Upper

91 100

106 46.8 21.6 65.0





#61

Styrene

Concen: 0.050 ppbv m

RT: 12.899 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

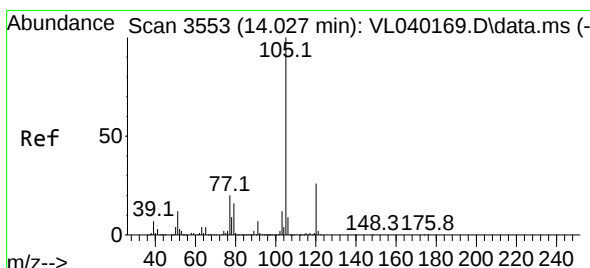
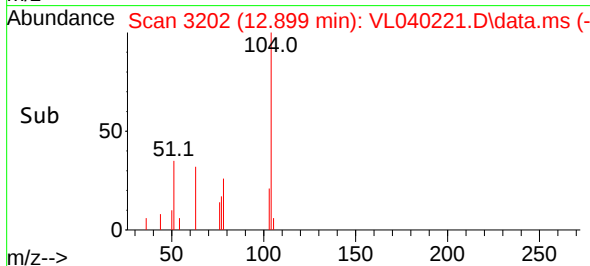
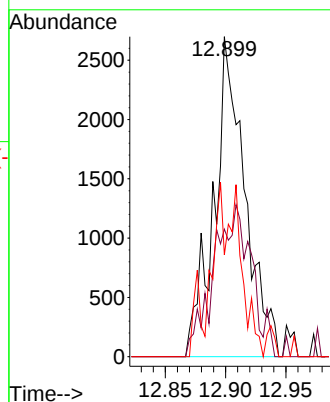
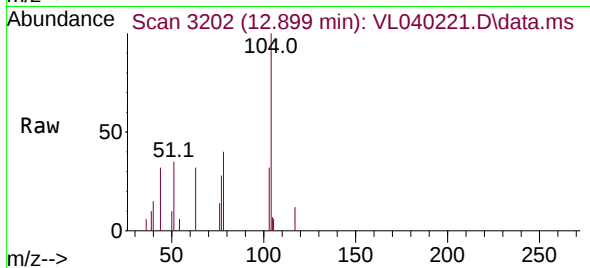
MDL-AIR-03-QT1-2023

Tgt Ion:104	Resp:	482
Ion Ratio	Lower	Upper
104	100	
78	58.5	42.3 63.5
103	53.6	37.5 56.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#62

Isopropylbenzene

Concen: 0.072 ppbv m

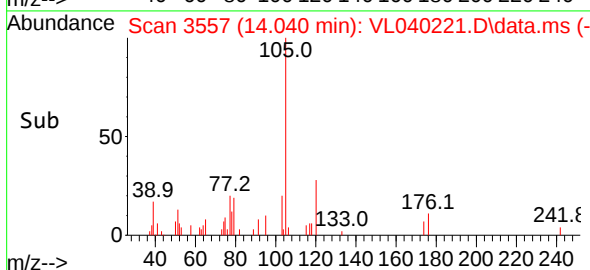
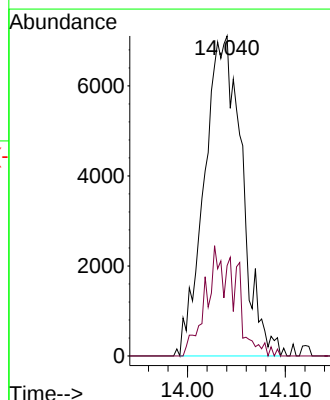
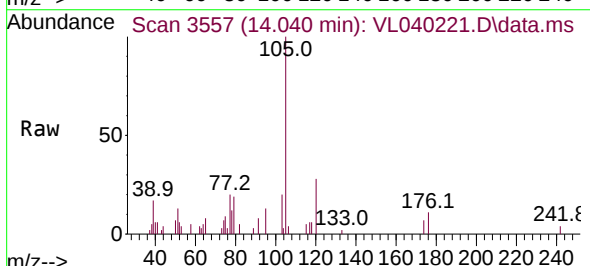
RT: 14.040 min Scan# 3557

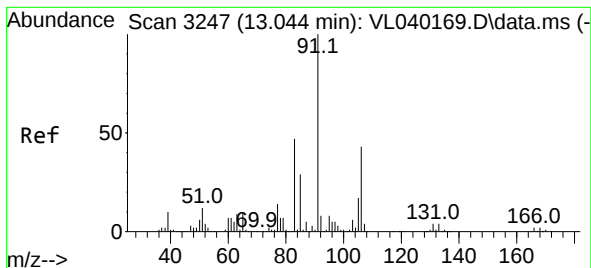
Delta R.T. 0.003 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

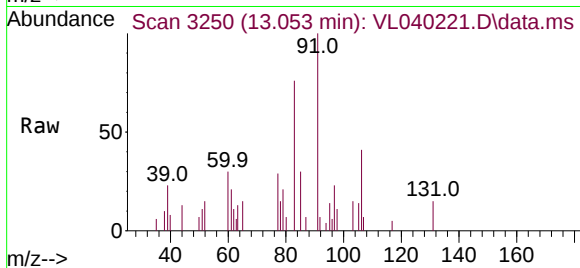
Tgt Ion:105	Resp:	18919
Ion Ratio	Lower	Upper
105	100	
120	27.6	20.3 30.5





#63
1,1,2,2-Tetrachloroethane
Concen: 0.098 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

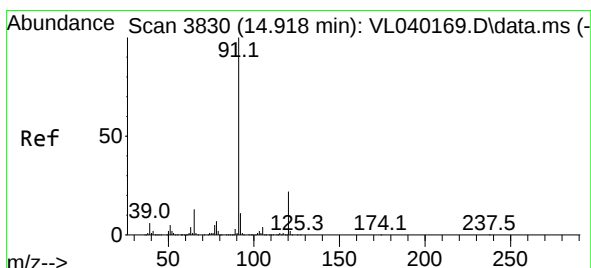
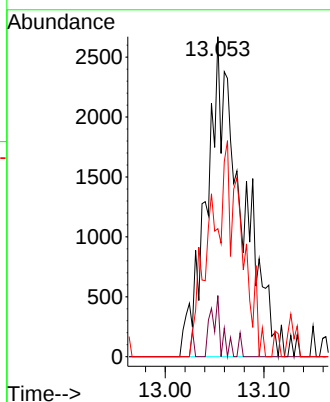
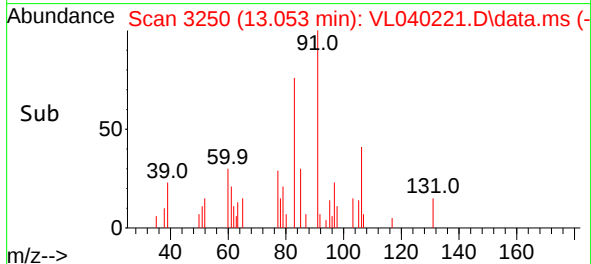
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



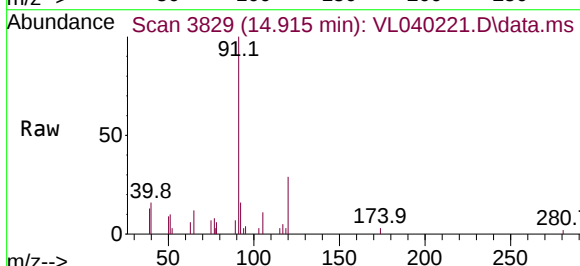
Tgt Ion: 83 Resp: 648
Ion Ratio Lower Upper
83 100
131 6.1 4.4 13.2
85 0.0 33.0 99.0

Manual Integrations
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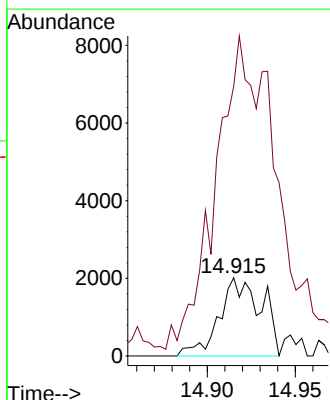
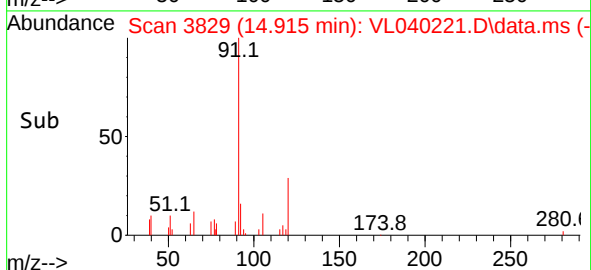
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

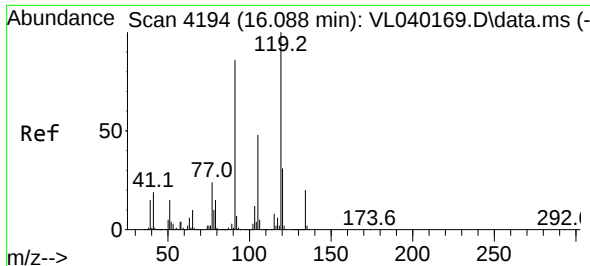


#64
n-propylbenzene
Concen: 0.051 ppbv m
RT: 14.915 min Scan# 3829
Delta R.T. -0.013 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



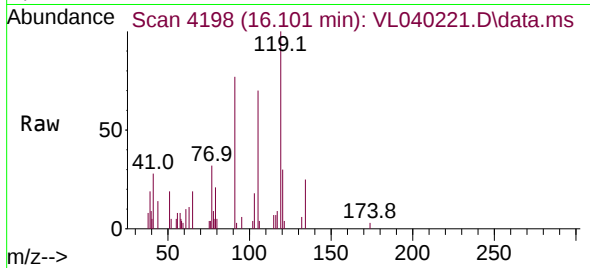
Tgt Ion:120 Resp: 3334
Ion Ratio Lower Upper
120 100
91 636.9 389.8 584.8#





#65
tert-Butylbenzene
Concen: 0.052 ppbv m
RT: 16.101 min Scan# 4198
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

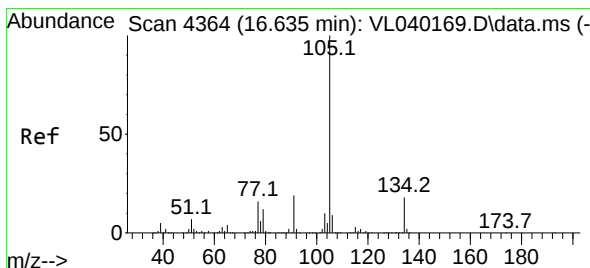
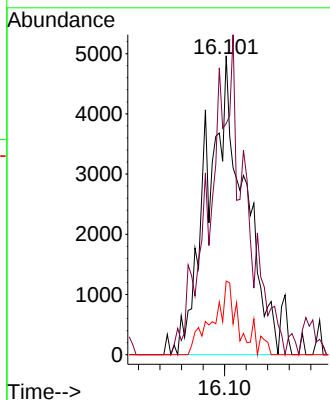
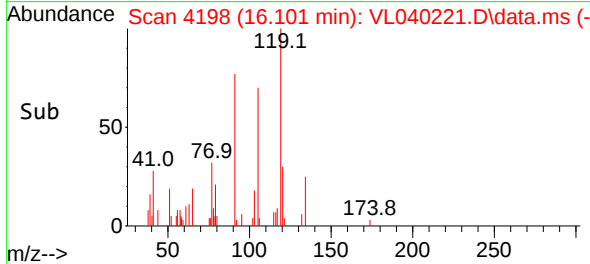
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:119 Resp: 11872
Ion Ratio Lower Upper
119 100
91 0.0 68.6 102.8
134 0.0 15.9 23.9

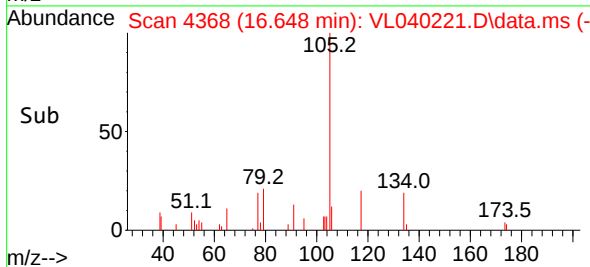
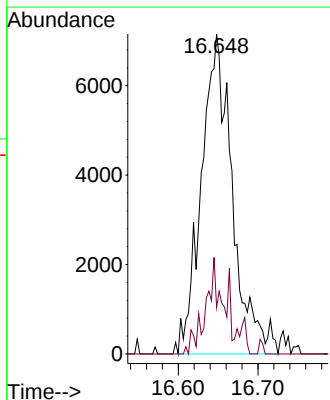
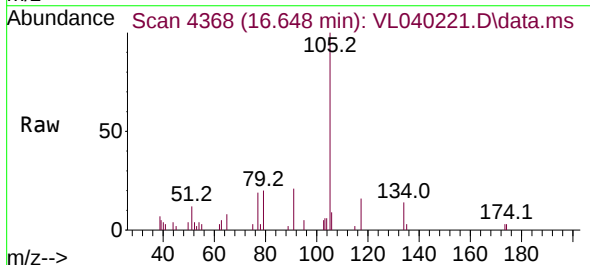
Manual Integrations
APPROVED

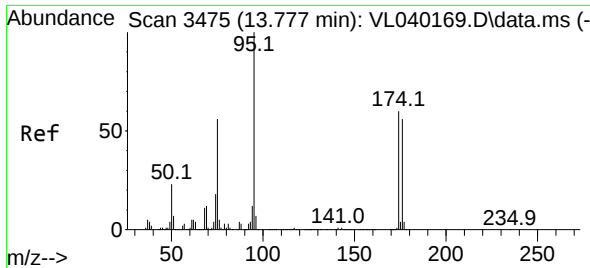
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#67
sec-Butylbenzene
Concen: 0.059 ppbv m
RT: 16.648 min Scan# 4368
Delta R.T. 0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion:105 Resp: 19312
Ion Ratio Lower Upper
105 100
134 20.4 14.1 21.1





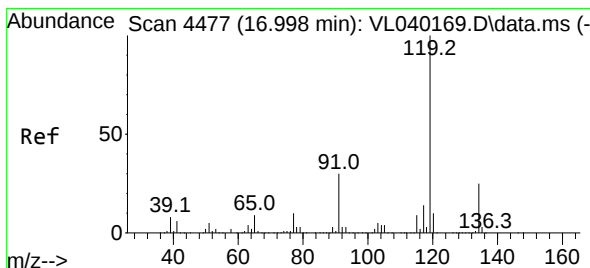
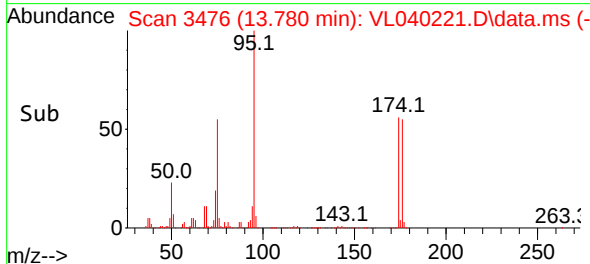
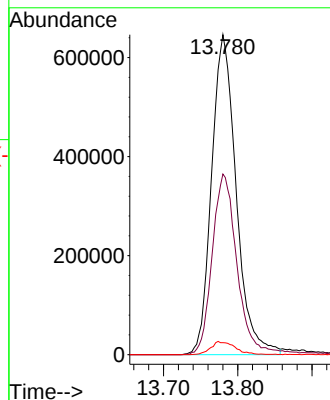
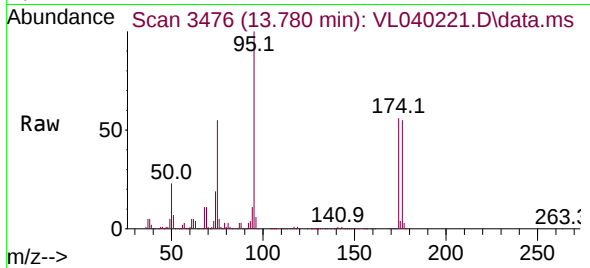
#68
1-Bromo-4-Fluorobenzene
Concen: 10.230 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion: 95 Resp: 148664
Ion Ratio Lower Upper
95 100
174 58.6 48.2 72.2
175 4.1 3.4 5.2

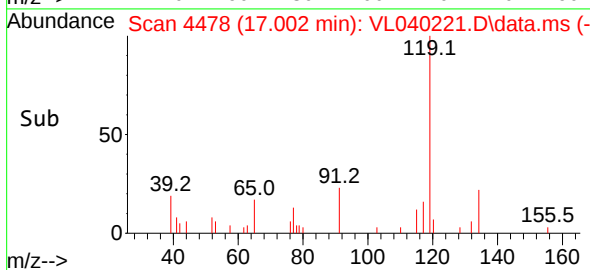
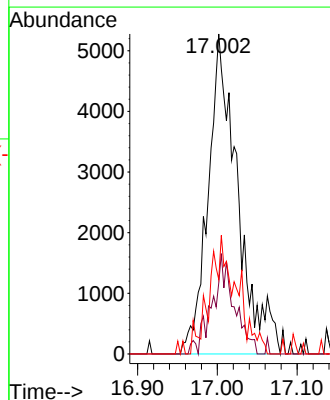
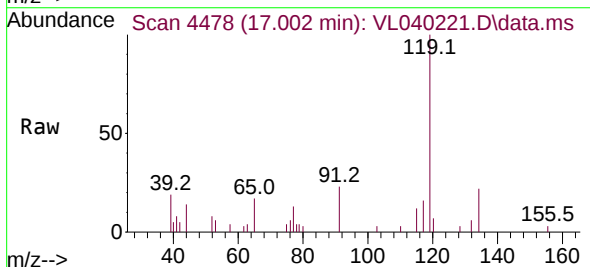
Manual Integrations
APPROVED

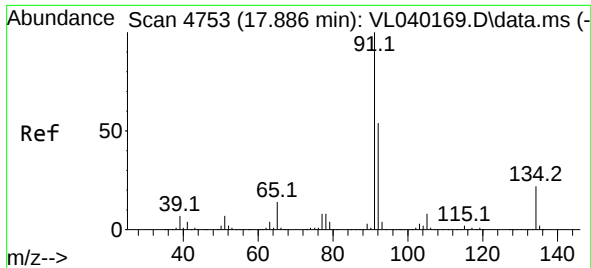
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#69
p-Isopropyltoluene
Concen: 0.052 ppbv m
RT: 17.002 min Scan# 4478
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

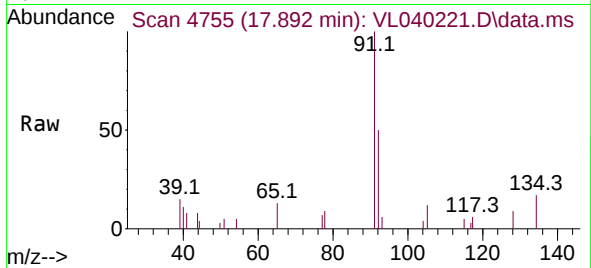
Tgt Ion:119 Resp: 13578
Ion Ratio Lower Upper
119 100
134 24.0 20.2 30.2
91 34.7 24.7 37.1





#70
n-Butylbenzene
Concen: 0.051 ppbv m
RT: 17.892 min Scan# 4755
Delta R.T. -0.003 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

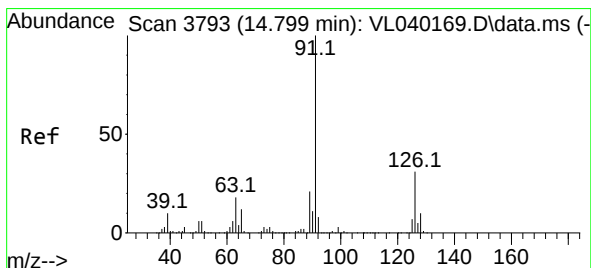
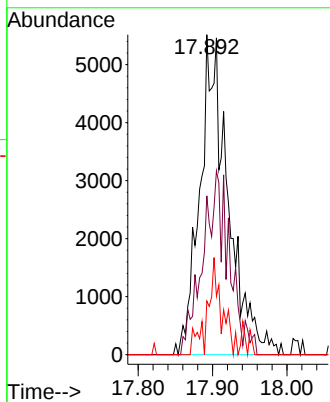
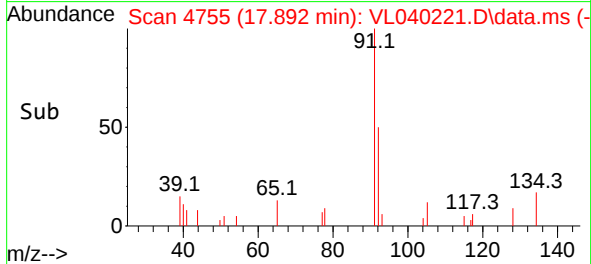
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 91 Resp: 1445
Ion Ratio Lower Upper
91 100
92 0.0 43.0 64.6
134 0.0 16.9 25.3

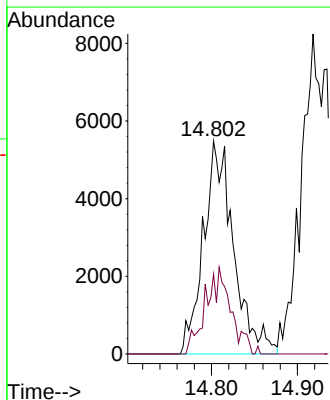
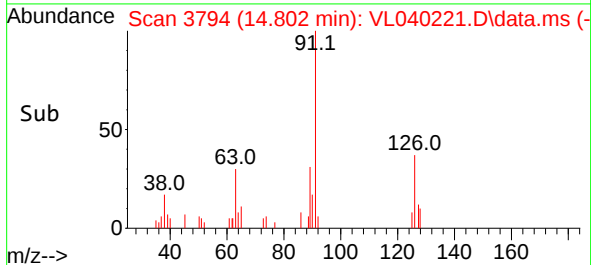
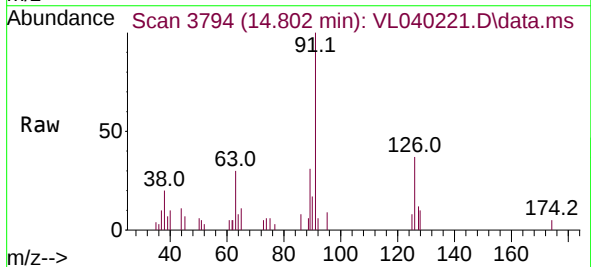
Manual Integrations
APPROVED

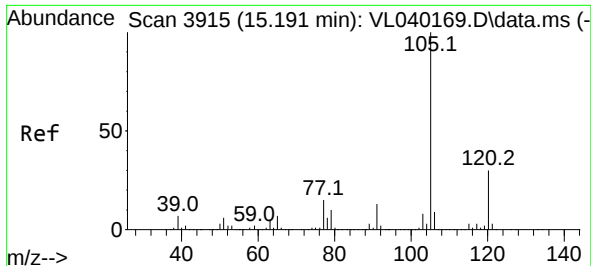
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#71
2-Chlorotoluene
Concen: 0.066 ppbv m
RT: 14.802 min Scan# 3794
Delta R.T. -0.009 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

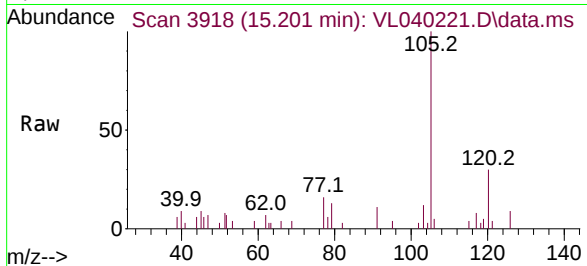
Tgt Ion: 91 Resp: 13336
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.2#





#72
4-Ethyltoluene
Concen: 0.057 ppbv m
RT: 15.201 min Scan# 3918
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

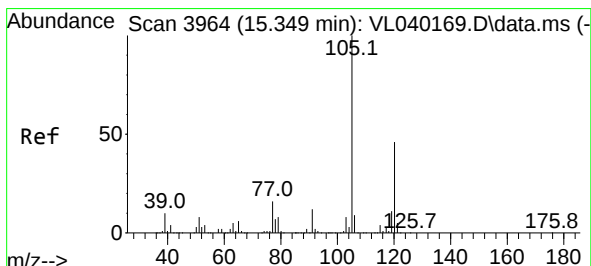
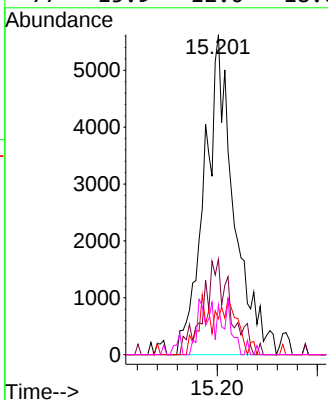
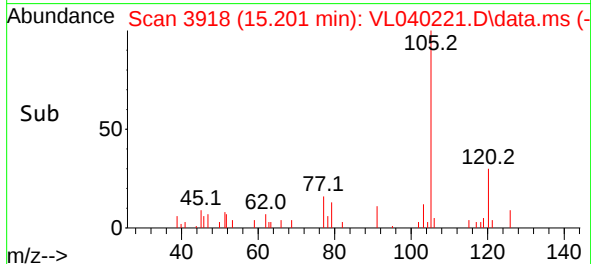
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



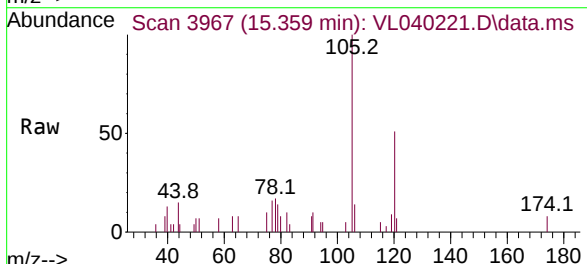
Tgt Ion:105 Resp: 11492
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8
91 7.0 11.3 16.9
77 15.9 12.0 18.0

Manual Integrations
APPROVED

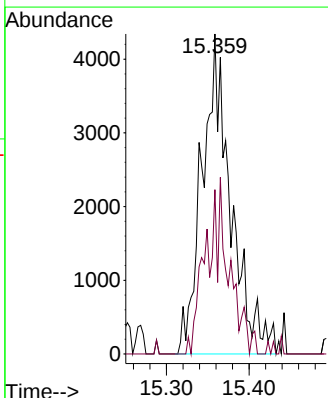
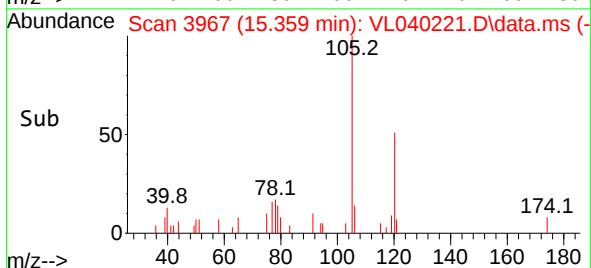
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

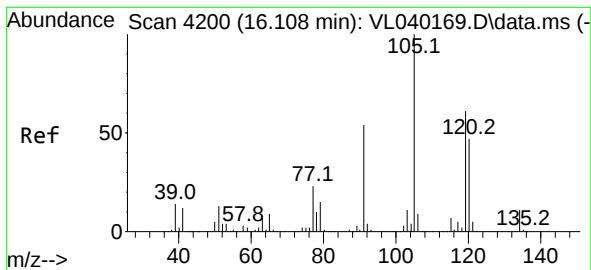


#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv m
RT: 15.359 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49



Tgt Ion:105 Resp: 10431
Ion Ratio Lower Upper
105 100
120 51.4 36.8 55.2





#74

1,2,4-Trimethylbenzene

Concen: 0.053 ppbv m

RT: 16.124 min Scan# 4200

Delta R.T. 0.007 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

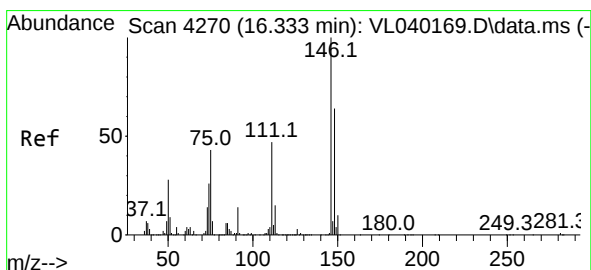
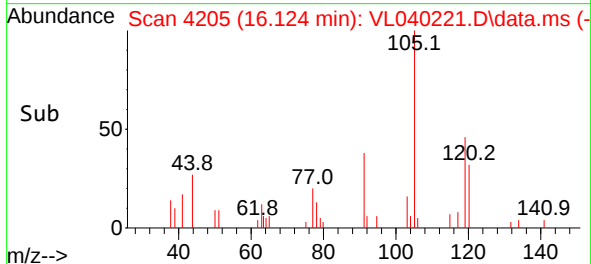
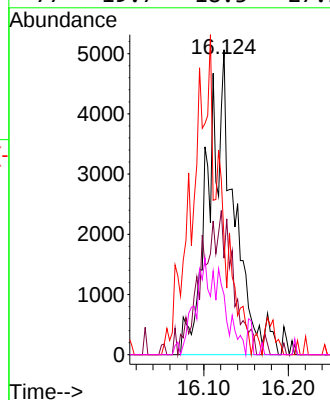
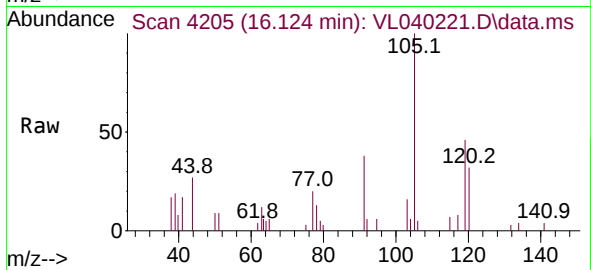
Tgt Ion:	105	Resp:	1089
Ion Ratio	Lower	Upper	
105	100		
120	31.7	37.9	56.9
91	37.8	43.7	65.5
77	19.7	18.3	27.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#75

1,3-Dichlorobenzene

Concen: 0.080 ppbv m

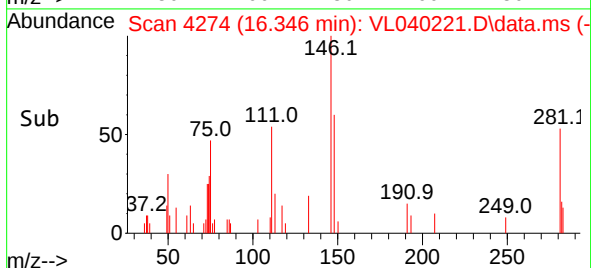
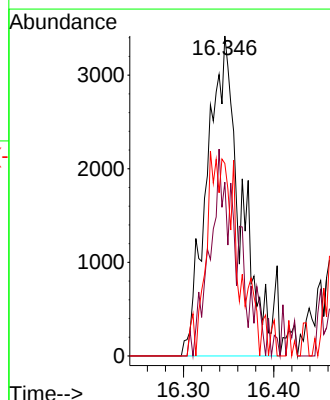
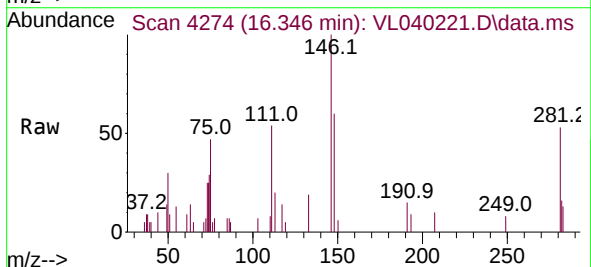
RT: 16.346 min Scan# 4274

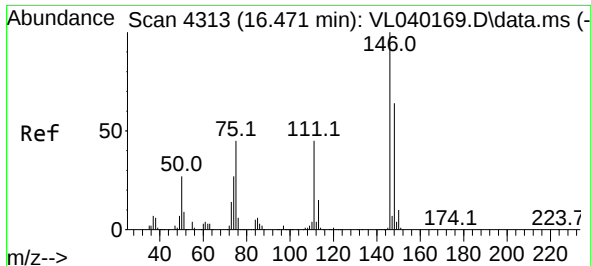
Delta R.T. 0.003 min

Lab File: VL040221.D

Acq: 23 Feb 2023 13:49

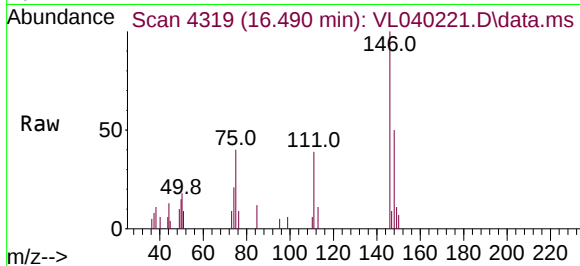
Tgt Ion:	146	Resp:	9087
Ion Ratio	Lower	Upper	
146	100		
111	55.3	23.9	71.8
148	58.5	32.1	96.5





#76
1,4-Dichlorobenzene
Concen: 0.080 ppbv m
RT: 16.490 min Scan# 4319
Delta R.T. 0.010 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

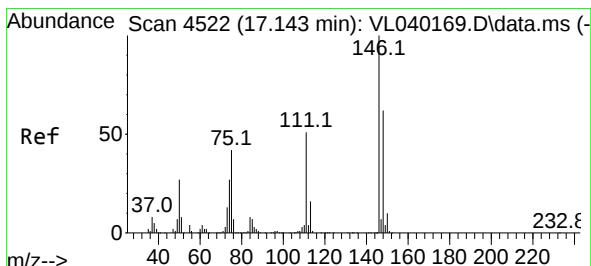
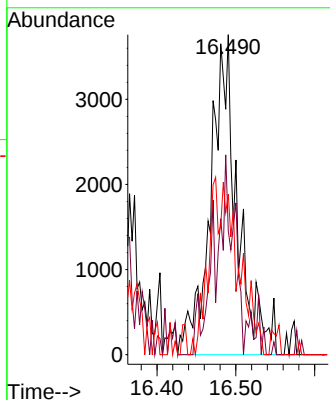
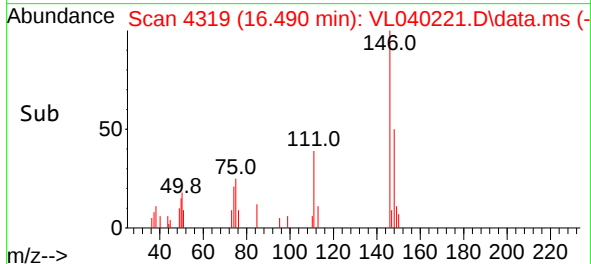
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:146 Resp: 8920
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5
148 63.1 32.5 97.4

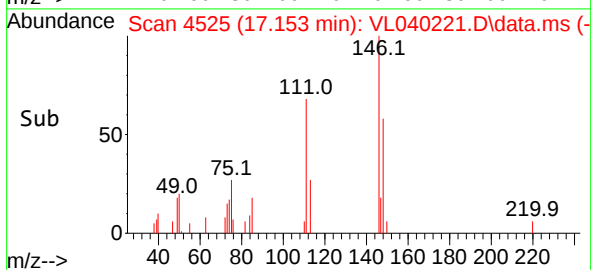
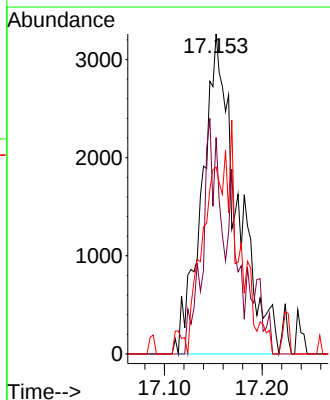
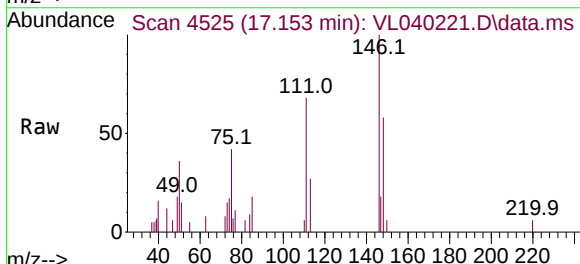
Manual Integrations
APPROVED

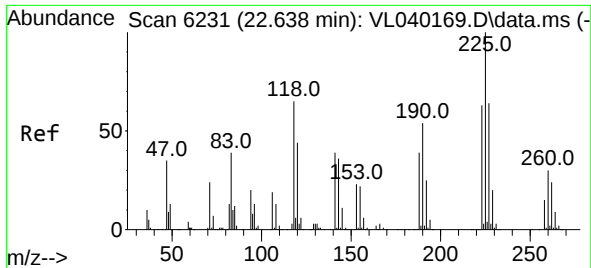
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#77
1,2-Dichlorobenzene
Concen: 0.072 ppbv m
RT: 17.153 min Scan# 4525
Delta R.T. 0.000 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion:146 Resp: 8147
Ion Ratio Lower Upper
146 100
111 62.0 25.3 75.8
148 0.0 32.0 96.2#





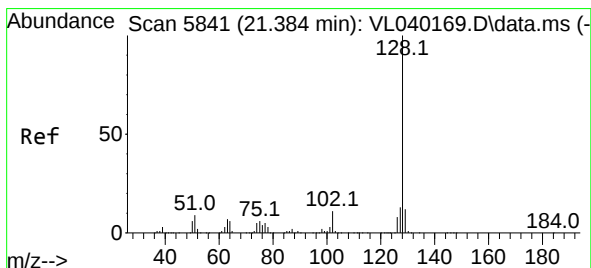
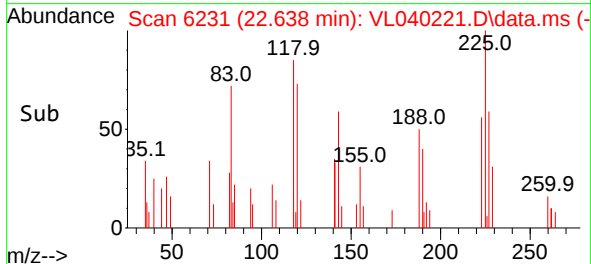
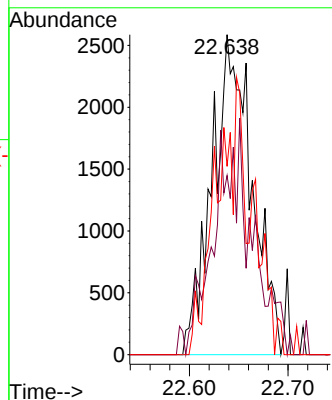
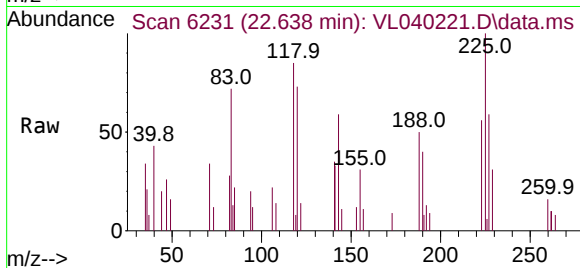
#78
Hexachloro-1,3-Butadiene
Concen: 0.094 ppbv m
RT: 22.638 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023

Tgt Ion:225 Resp: 7248
Ion Ratio Lower Upper
225 100
223 0.0 51.0 76.6#
227 0.0 51.2 76.8#

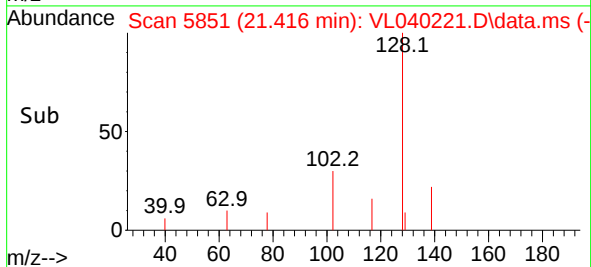
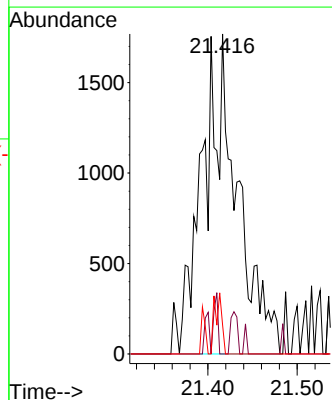
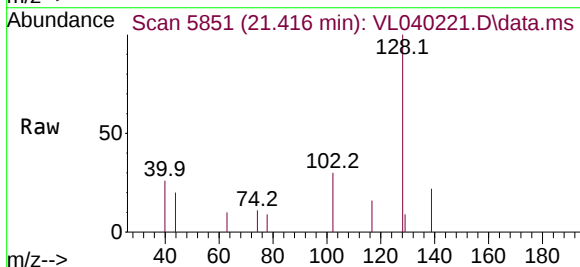
Manual Integrations
APPROVED

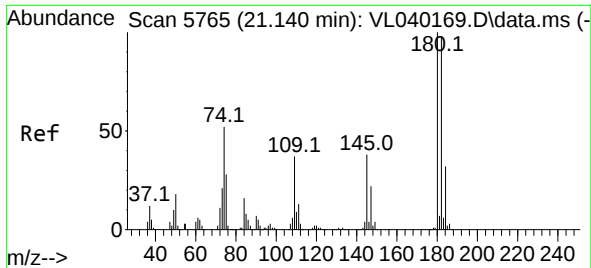
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#79
Naphthalene
Concen: 0.041 ppbv m
RT: 21.416 min Scan# 5851
Delta R.T. 0.016 min
Lab File: VL040221.D
Acq: 23 Feb 2023 13:49

Tgt Ion:128 Resp: 4720
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 9.0 9.4 14.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.055 ppbv m

RT: 21.159 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040221.D

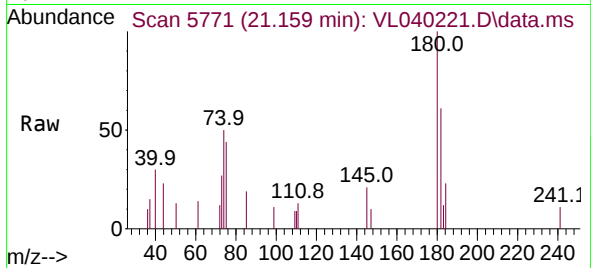
Acq: 23 Feb 2023 13:49

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 398

Ion Ratio Lower Upper

180 100

182 0.0 79.0 118.6

184 0.0 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

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