

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022323\
 Data File : VL040220.D
 Acq On : 23 Feb 2023 13:12
 Operator : SY/MD
 Sample : 01627-15 0.40 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 24 01:02:16 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

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

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

Internal Standards						
1) Bromochloromethane	5.189	49	824464	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2082376	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1837086	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1573219	10.414	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	75479	0.491	ppbv	97
3) Chlorodifluoromethane	2.665	51	45422	0.461	ppbv	98
4) Chloromethane	2.806	50	28881	0.467	ppbv	88
5) Vinyl Chloride	2.912	62	21166	0.426	ppbv	92
6) Bromomethane	3.108	94	8705m	0.485	ppbv	
7) Chloroethane	3.192	64	8689m	0.441	ppbv	
8) Dichlorotetrafluoroethane	2.848	85	60819	0.459	ppbv	98
9) Propene	2.687	41	17080	0.425	ppbv	99
10) Heptane	7.581	43	34996m	0.366	ppbv	
11) Trichlorofluoromethane	3.555	101	61567	0.447	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	47408	0.466	ppbv	99
13) Ethanol	3.253	45	1576m	0.426	ppbv	
14) Bromoethene	3.359	108	16407	0.421	ppbv #	91
15) Acetone	3.478	43	49887	0.503	ppbv	94
16) 1,3-Butadiene	2.977	39	18782	0.414	ppbv	93
17) tert-Butyl alcohol	3.893	59	40224	0.444	ppbv #	91
18) 1,1-Dichloroethene	3.880	96	20090	0.455	ppbv	84
19) Isopropyl Alcohol	3.591	45	22539	0.478	ppbv #	86
20) Methylene Chloride	3.931	84	29675	0.574	ppbv	97
21) Allyl Chloride	3.989	41	27513	0.452	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	19323	0.422	ppbv #	87
23) Vinyl Acetate	4.632	43	11937m	0.396	ppbv	
24) 1,1-Dichloroethane	4.558	63	42805	0.455	ppbv #	93
25) Ethyl Acetate	5.211	43	77844	0.422	ppbv	97
26) Hexane	5.211	57	32260	0.407	ppbv	90
27) Carbon Disulfide	4.118	76	36704	0.365	ppbv #	83
28) Methyl tert-Butyl Ether	4.594	73	34585	0.407	ppbv	94
29) Chloroform	5.272	83	57793	0.425	ppbv	92
30) Cyclohexane	6.603	84	21110	0.339	ppbv #	82
31) cis-1,2-Dichloroethene	5.076	61	28714	0.382	ppbv #	85
32) 1,1,1-Trichloroethane	5.999	97	56764	0.444	ppbv	100
34) 2-Butanone	4.796	43	45526	0.443	ppbv	96
35) Carbon Tetrachloride	6.494	117	52623	0.427	ppbv	97
36) Benzene	6.369	78	63597	0.392	ppbv #	91
37) 1,2-Dichloroethane	5.803	62	45027	0.444	ppbv	99
38) Trichloroethene	7.291	130	34905	0.391	ppbv #	90
39) 1,2-Dichloropropane	7.073	63	26922	0.427	ppbv	94
40) 1,4-Dioxane	7.324	88	10833m	0.430	ppbv	
41) Tetrahydrofuran	5.581	42	24780m	0.416	ppbv	
42) Bromodichloromethane	7.250	83	53214	0.380	ppbv	94
43) Methyl Methacrylate	7.481	69	21081m	0.352	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	103181	0.381	ppbv	93
45) t-1,3-Dichloropropene	8.706	75	15850m	0.298	ppbv	

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

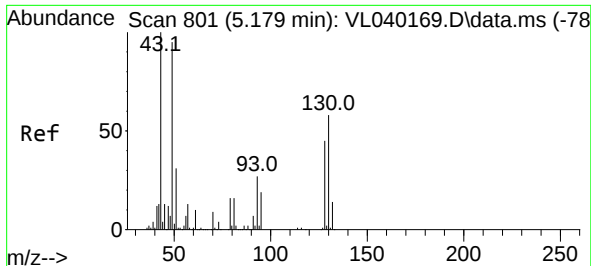
Quant Time: Feb 24 01:02:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Feb 24 00:45:34 2023
 Response via : Initial Calibration

Manual Integrations
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 Supervised By :Mahesh Dadoda 02/24/2023

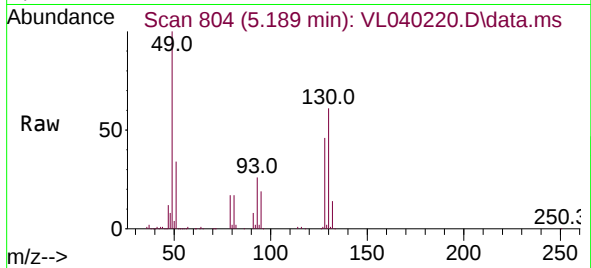
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	25209m	0.340	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	29118	0.427	ppbv #	84
48) Dibromochloromethane	9.709	129	37503	0.344	ppbv	97
49) Bromoform	12.413	173	28470m	0.334	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	58724	0.368	ppbv	97
51) 2-Hexanone	9.584	43	41544m	0.339	ppbv	
52) Tetrachloroethene	10.623	164	21823m	0.431	ppbv	
53) Toluene	9.227	91	58010m	0.334	ppbv	
54) 1,2-Dibromoethane	10.012	107	26709m	0.376	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	32744m	0.425	ppbv	
57) Chlorobenzene	11.529	112	60634	0.452	ppbv #	83
58) Ethyl Benzene	12.092	91	74658	0.334	ppbv	97
59) m/p-Xylene	12.368	91	148315m	0.750	ppbv	
60) o-Xylene	13.069	91	68856m	0.362	ppbv	
61) Styrene	12.899	104	27419m	0.275	ppbv	
62) Isopropylbenzene	14.040	105	109778	0.402	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.053	83	32254m	0.471	ppbv	
64) n-propylbenzene	14.925	120	24394	0.361	ppbv	73
65) tert-Butylbenzene	16.098	119	84793	0.357	ppbv #	84
66) Benzyl Chloride	16.336	91	6070m	0.384	ppbv	
67) sec-Butylbenzene	16.645	105	125947	0.370	ppbv	99
69) p-Isopropyltoluene	17.005	119	92085	0.341	ppbv	95
70) n-Butylbenzene	17.896	91	103306m	0.353	ppbv	
71) 2-Chlorotoluene	14.809	91	74991m	0.359	ppbv	
72) 4-Ethyltoluene	15.198	105	75189m	0.358	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	67019	0.343	ppbv	93
74) 1,2,4-Trimethylbenzene	16.114	105	78708	0.366	ppbv	96
75) 1,3-Dichlorobenzene	16.343	146	48873m	0.416	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	46355m	0.402	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	50088m	0.429	ppbv	
78) Hexachloro-1,3-Butadiene	22.645	225	35346m	0.440	ppbv	
79) Naphthalene	21.394	128	32558m	0.270	ppbv	
80) Naphthalene,2-methyl-	24.435	142	7176m	0.209	ppbv	
81) 1,2,4-Trichlorobenzene	21.166	180	24170m	0.320	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL040220.D
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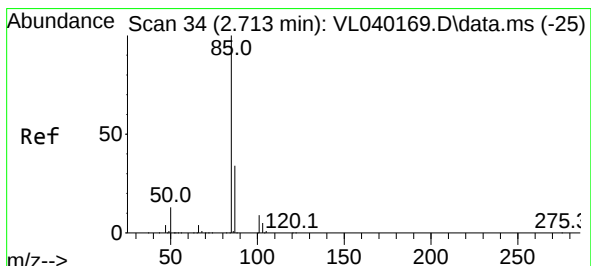
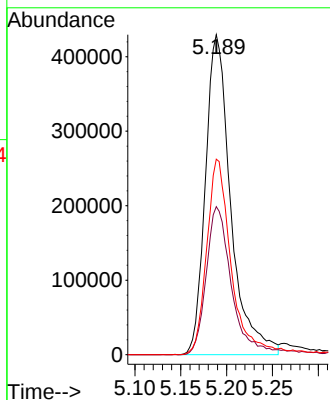
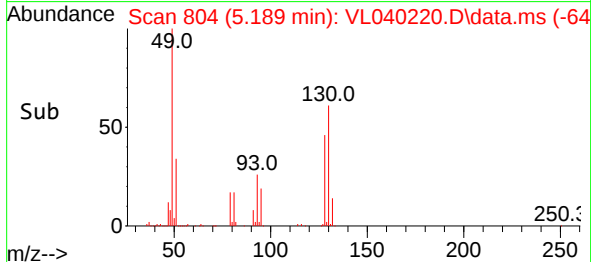
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 49 Resp: 824464
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.5 30.9 92.8

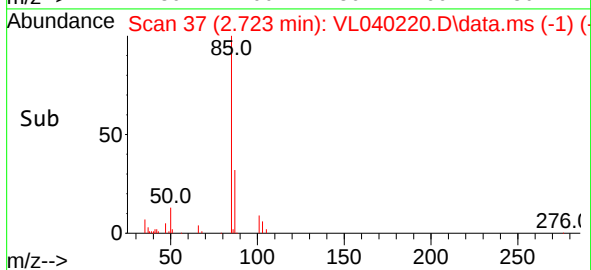
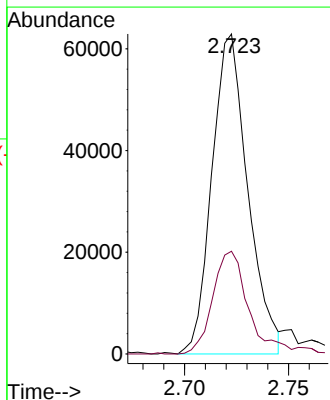
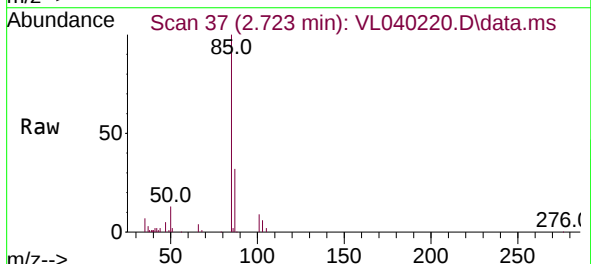
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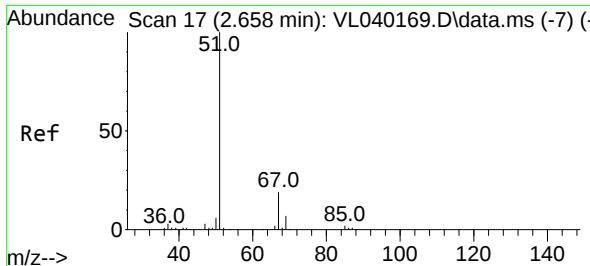
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#2
Dichlorodifluoromethane
Concen: 0.491 ppbv
RT: 2.723 min Scan# 37
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 85 Resp: 75479
Ion Ratio Lower Upper
85 100
87 32.1 27.0 40.6





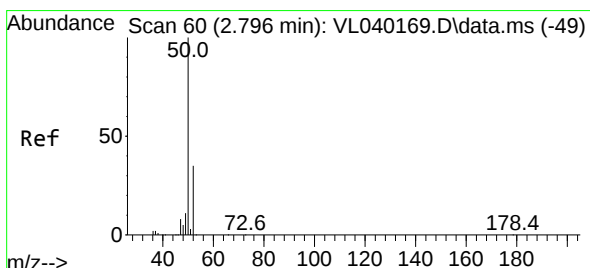
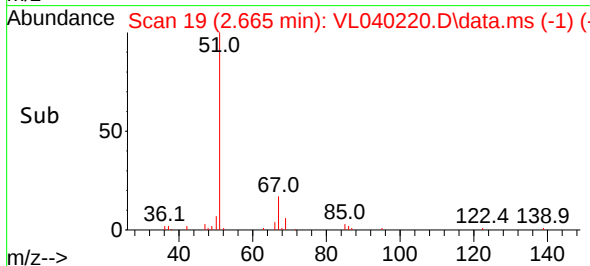
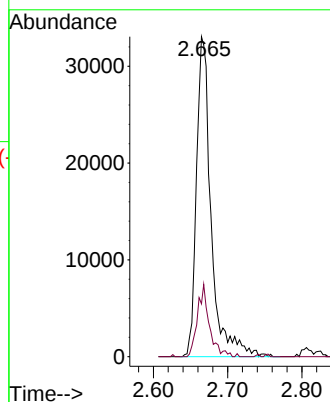
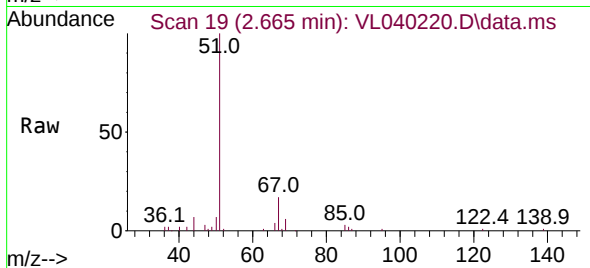
#3
Chlorodifluoromethane
Concen: 0.461 ppbv
RT: 2.665 min Scan# 19
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 51 Resp: 4542
Ion Ratio Lower Upper
51 100
67 18.5 15.4 23.2

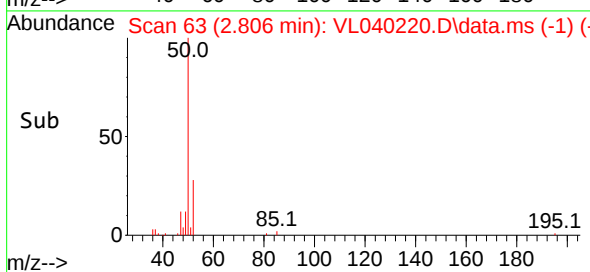
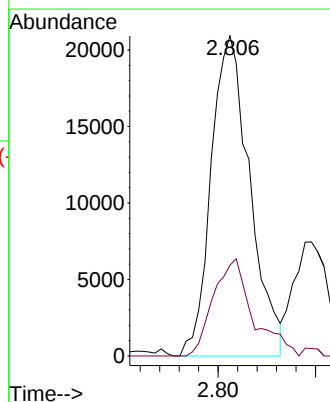
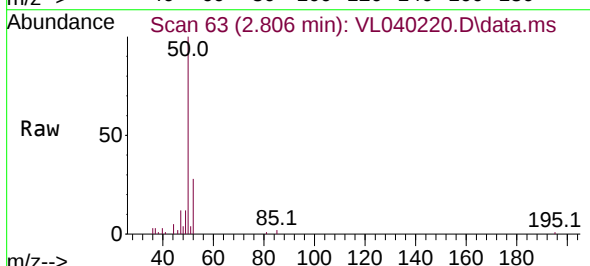
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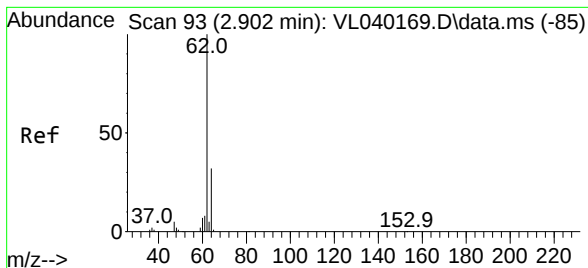
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#4
Chloromethane
Concen: 0.467 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

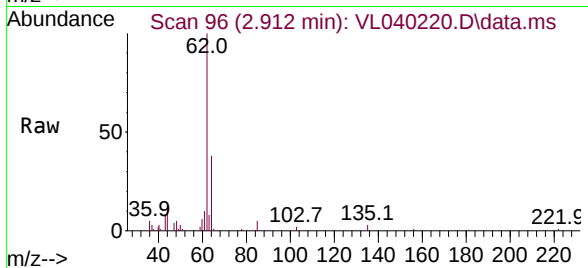
Tgt Ion: 50 Resp: 28881
Ion Ratio Lower Upper
50 100
52 28.3 28.3 42.5





#5
 Vinyl Chloride
 Concen: 0.426 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

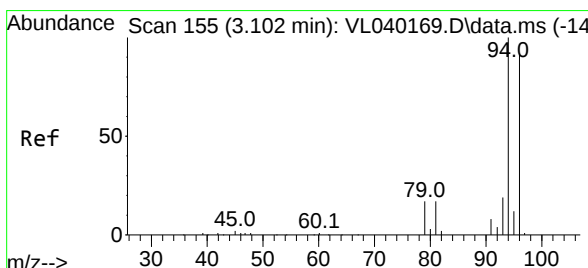
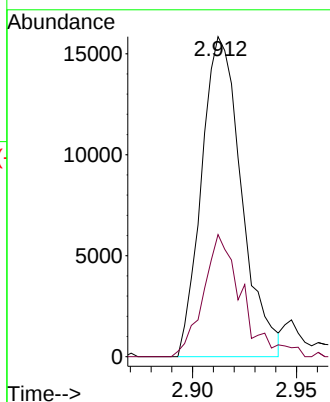
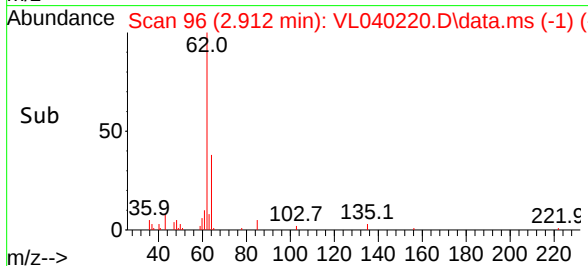
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



Tgt Ion: 62 Resp: 2116
 Ion Ratio Lower Upper
 62 100
 64 36.5 25.6 38.4

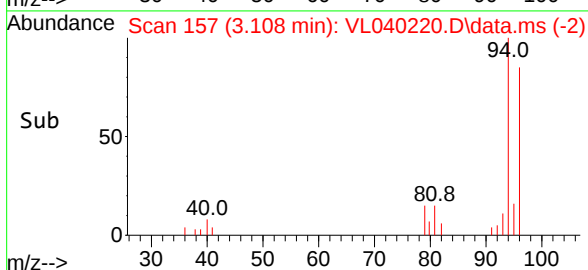
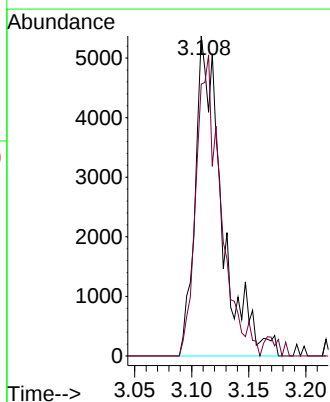
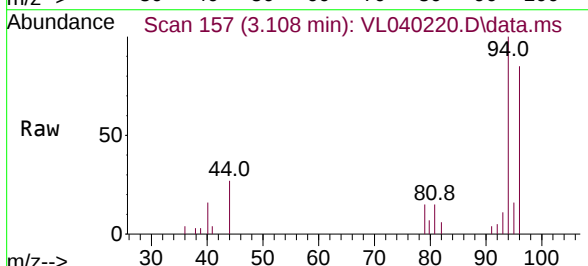
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#6
 Bromomethane
 Concen: 0.485 ppbv m
 RT: 3.108 min Scan# 157
 Delta R.T. -0.003 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

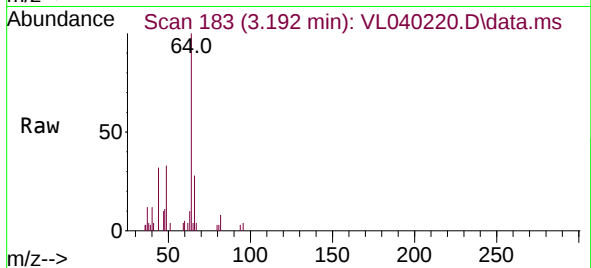
Tgt Ion: 94 Resp: 8705
 Ion Ratio Lower Upper
 94 100
 96 84.9 73.4 110.2





#7
Chloroethane
Concen: 0.441 ppbv m
RT: 3.192 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

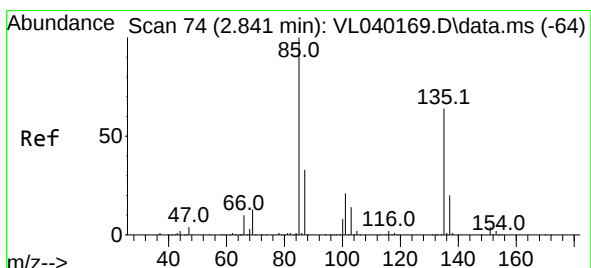
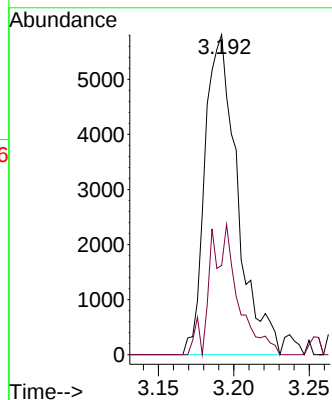
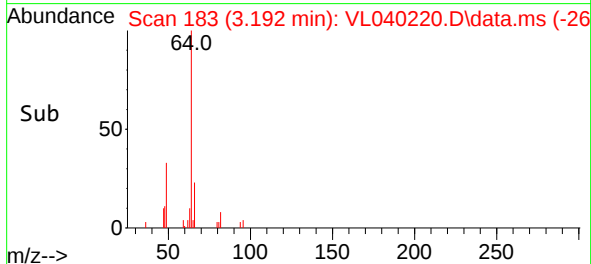
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 64 Resp: 8689
Ion Ratio Lower Upper
64 100
66 27.9 25.4 38.2

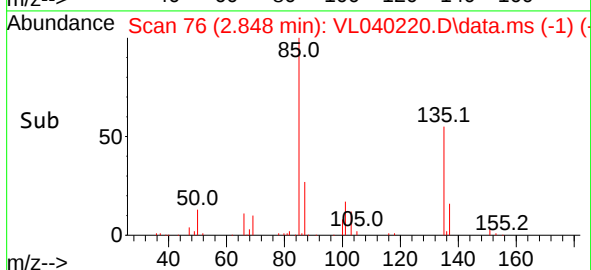
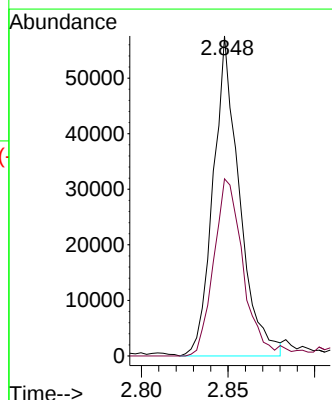
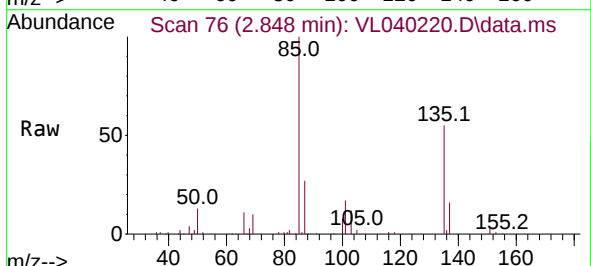
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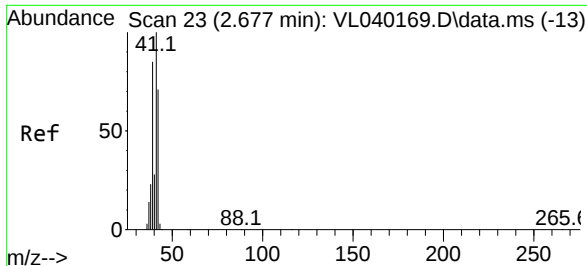
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#8
Dichlorotetrafluoroethane
Concen: 0.459 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 85 Resp: 60819
Ion Ratio Lower Upper
85 100
135 65.7 51.5 77.3





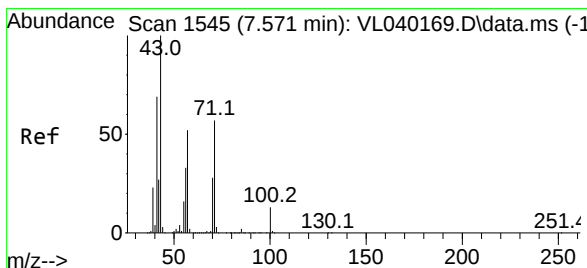
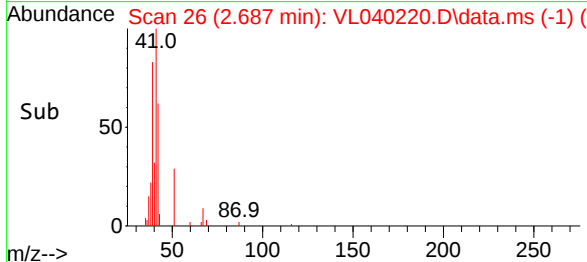
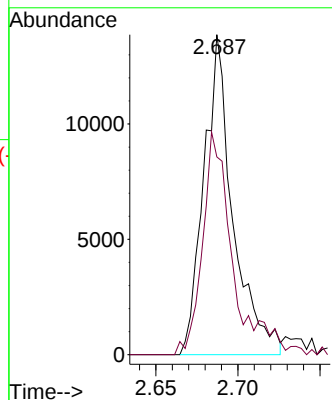
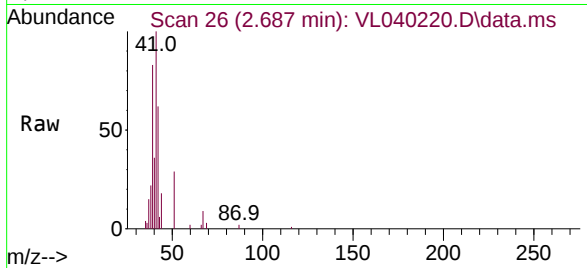
#9
 Propene
 Concen: 0.425 ppbv
 RT: 2.687 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

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

Tgt Ion: 41 Resp: 17080
 Ion Ratio Lower Upper
 41 100
 42 71.9 56.9 85.3

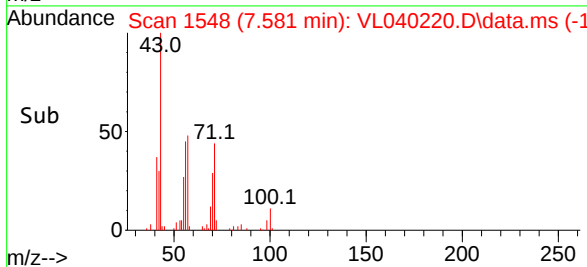
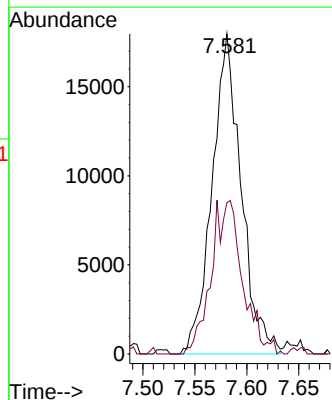
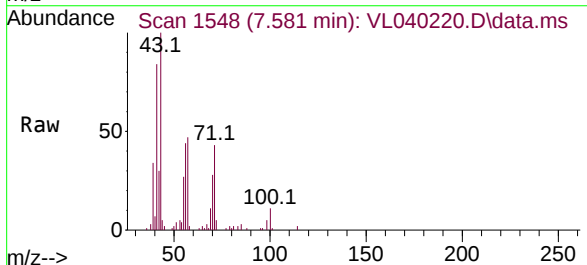
Manual Integrations
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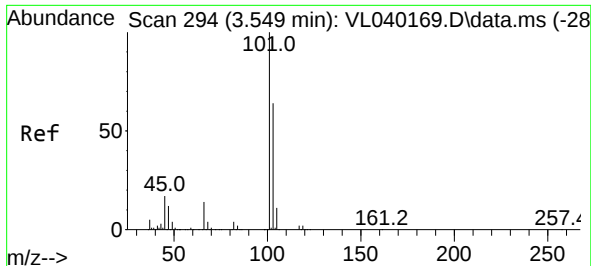
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#10
 Heptane
 Concen: 0.366 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

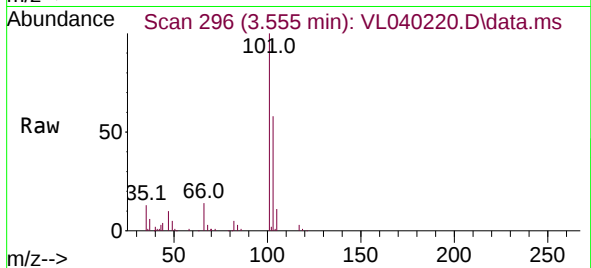
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 Ion Ratio Lower Upper
 43 100
 57 51.7 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.447 ppbv
RT: 3.555 min Scan# 294
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

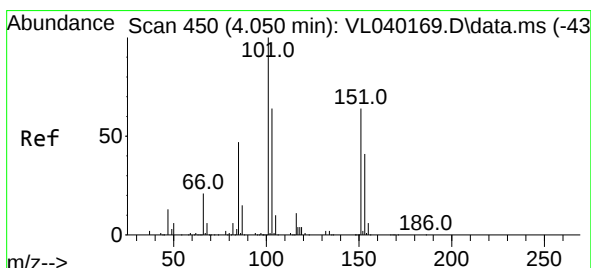
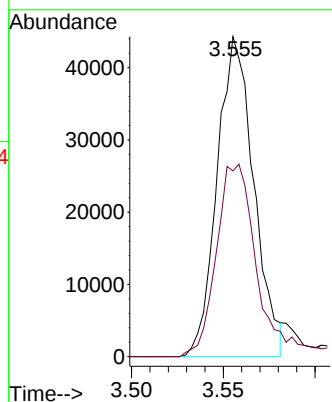
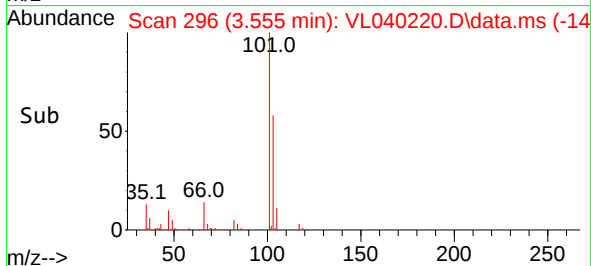
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



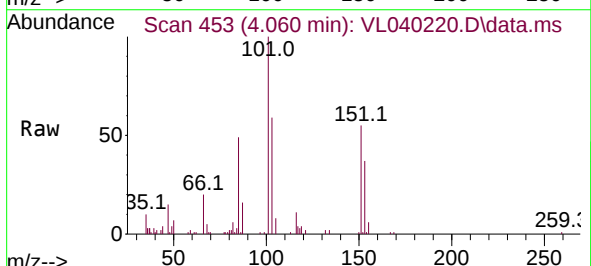
Tgt Ion:101 Resp: 6156
Ion Ratio Lower Upper
101 100
103 58.1 51.0 76.6

Manual Integrations
APPROVED

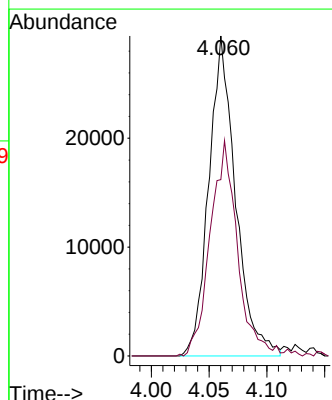
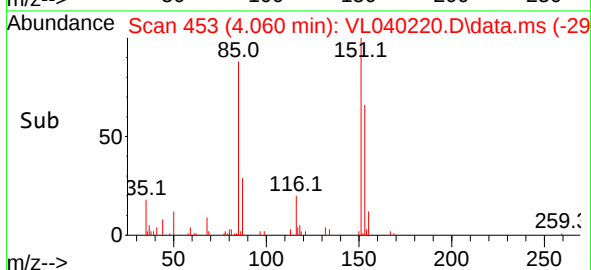
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

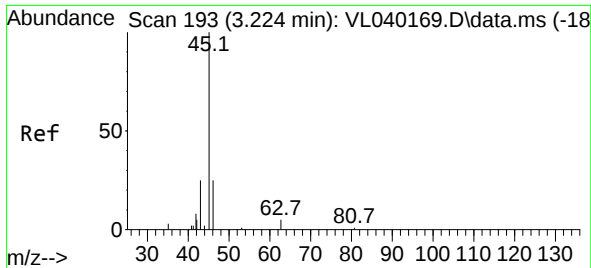


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ppbv
RT: 4.060 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12



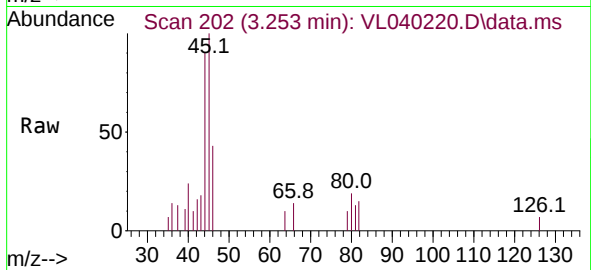
Tgt Ion:101 Resp: 47408
Ion Ratio Lower Upper
101 100
151 69.1 54.7 82.1





#13
Ethanol
Concen: 0.426 ppbv m
RT: 3.253 min Scan# 202
Delta R.T. 0.019 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

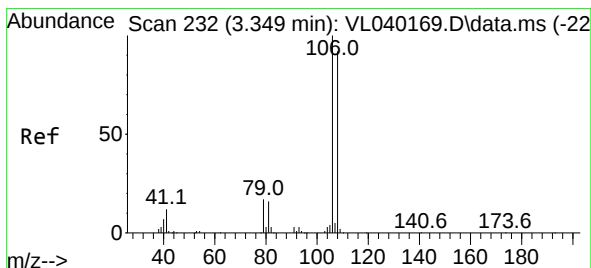
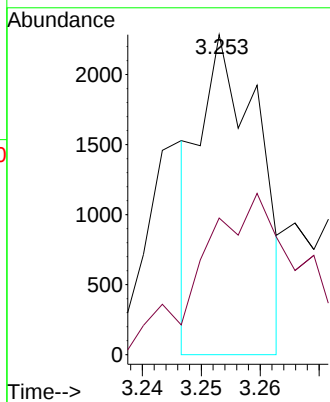
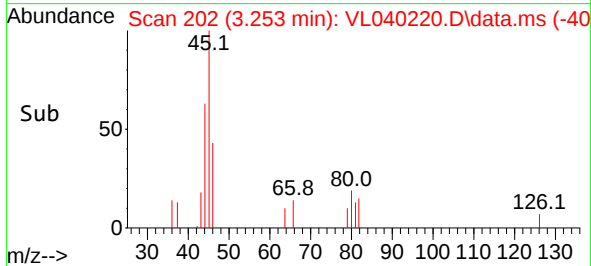
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 45 Resp: 1570
Ion Ratio Lower Upper
45 100
46 4.6 13.3 53.1

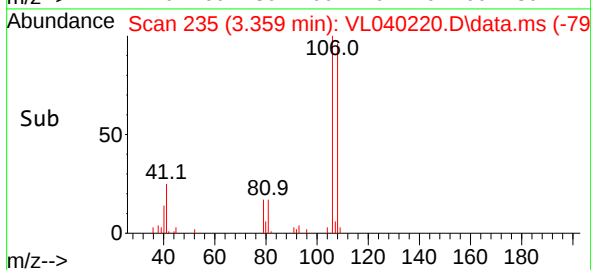
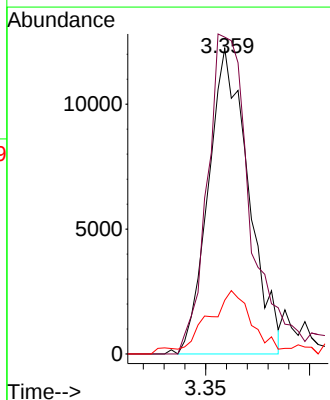
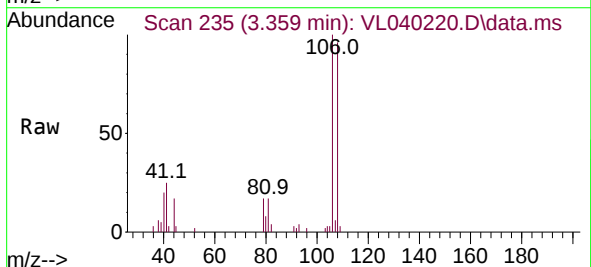
Manual Integrations
APPROVED

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



#14
Bromoethene
Concen: 0.421 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

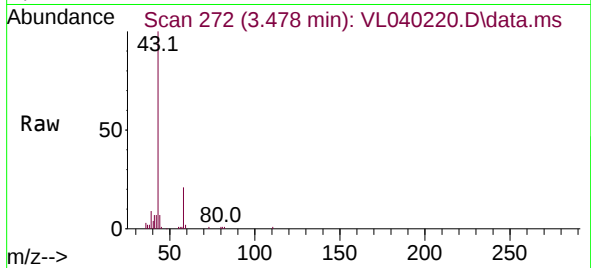
Tgt Ion:108 Resp: 16407
Ion Ratio Lower Upper
108 100
106 118.1 87.1 130.7
79 24.5 15.4 23.2





#15
Acetone
Concen: 0.503 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

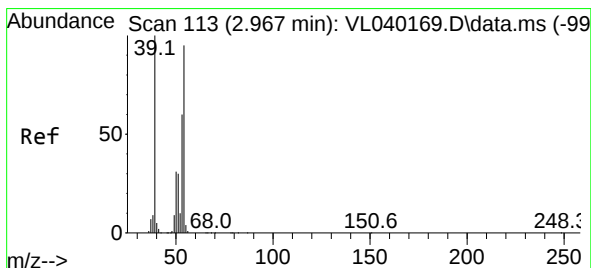
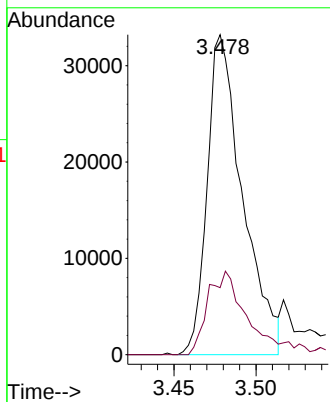
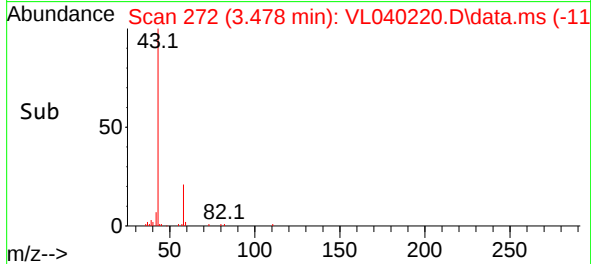
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 43 Resp: 4988
Ion Ratio Lower Upper
43 100
58 31.1 22.4 33.6

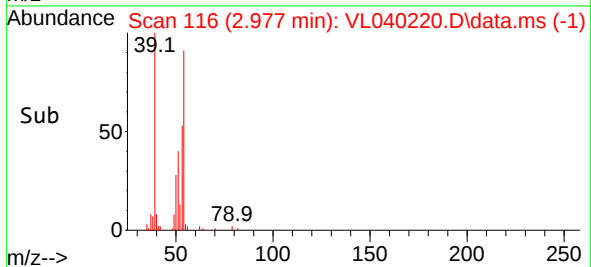
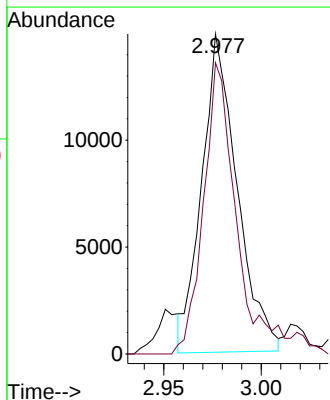
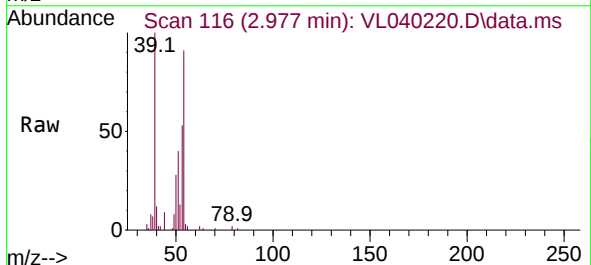
Manual Integrations
APPROVED

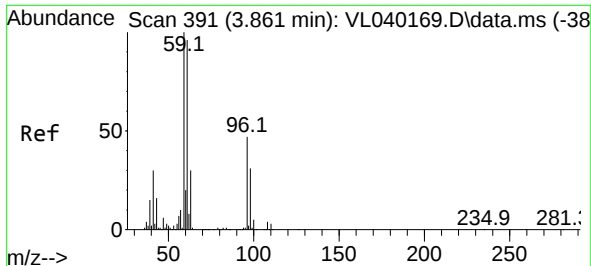
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#16
1,3-Butadiene
Concen: 0.414 ppbv
RT: 2.977 min Scan# 116
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 39 Resp: 18782
Ion Ratio Lower Upper
39 100
54 89.7 66.7 100.1





#17

tert-Butyl alcohol

Concen: 0.444 ppbv

RT: 3.893 min Scan# 401

Delta R.T. 0.023 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 59 Resp: 40224

Ion Ratio Lower Upper

59 100

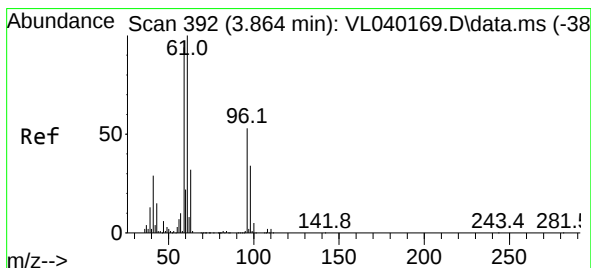
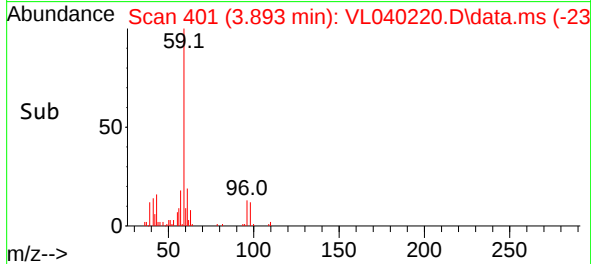
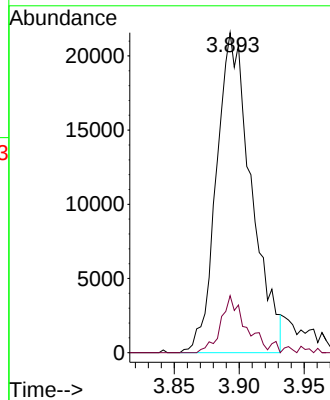
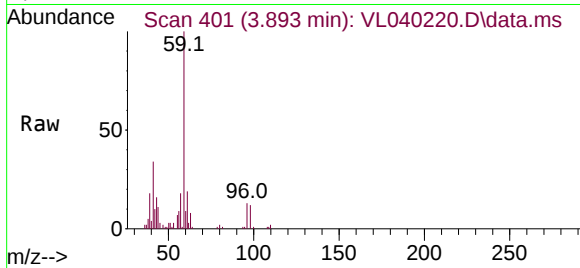
57 14.1 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#18

1,1-Dichloroethene

Concen: 0.455 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.007 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

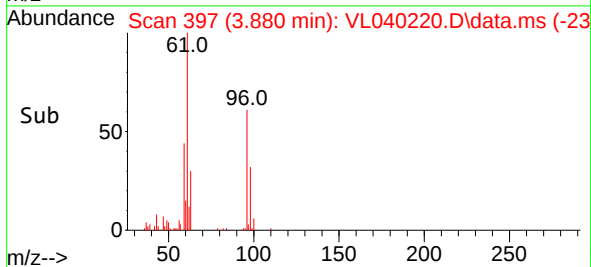
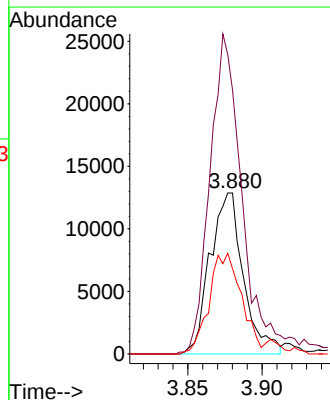
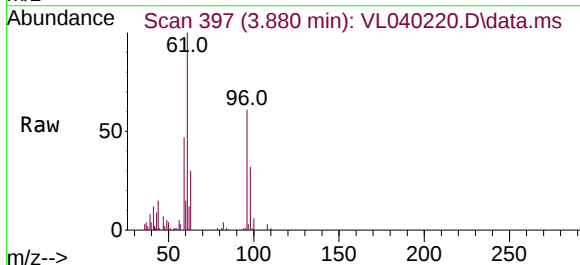
Tgt Ion: 96 Resp: 20090

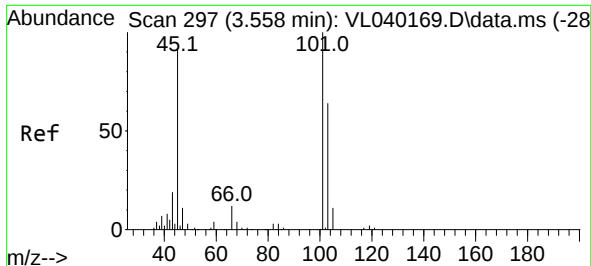
Ion Ratio Lower Upper

96 100

61 162.8 149.6 224.4

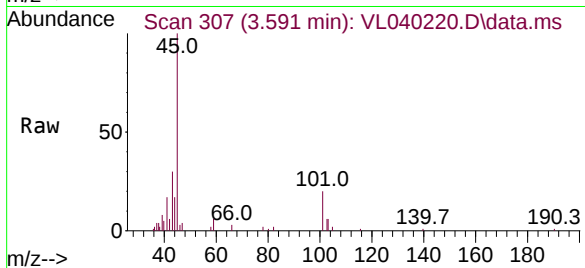
98 53.0 51.1 76.7





#19
Isopropyl Alcohol
Concen: 0.478 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.023 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

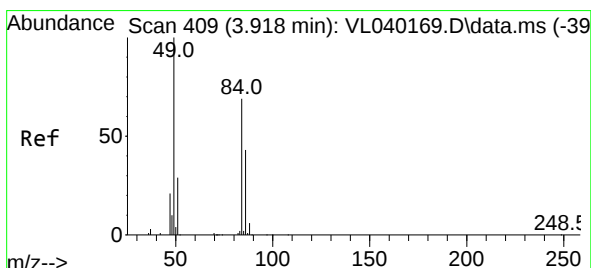
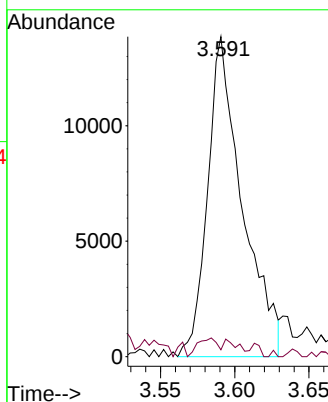
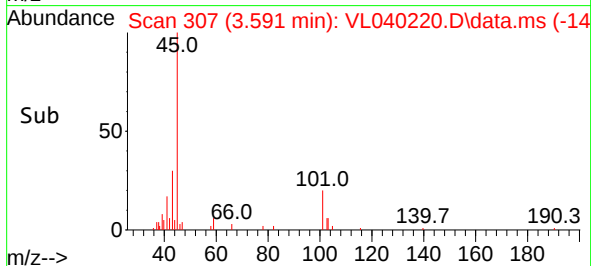
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 45 Resp: 22539
Ion Ratio Lower Upper
45 100
58 7.7 2.6 3.8

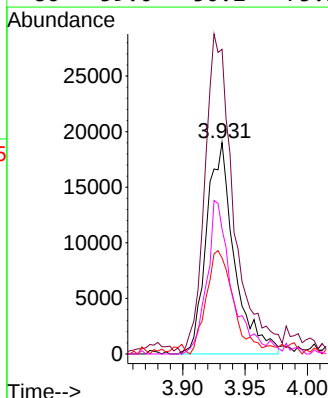
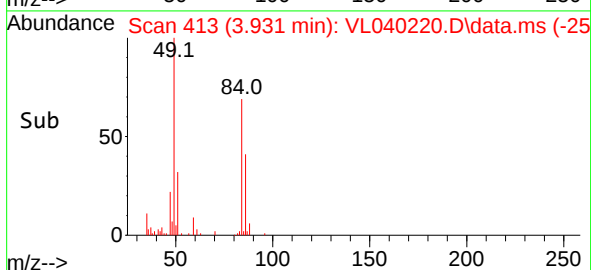
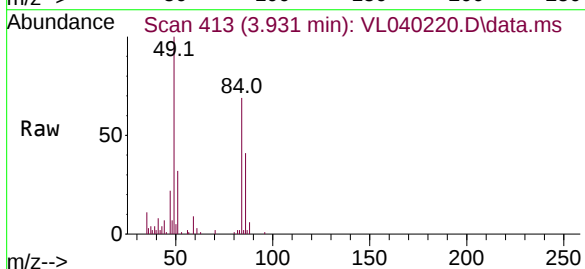
Manual Integrations
APPROVED

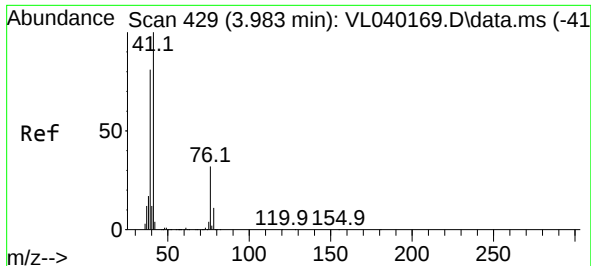
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#20
Methylene Chloride
Concen: 0.574 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.007 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 84 Resp: 29675
Ion Ratio Lower Upper
84 100
49 141.2 115.5 173.3
51 42.4 33.1 49.7
86 59.0 50.2 75.2





#21

Allyl Chloride

Concen: 0.452 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

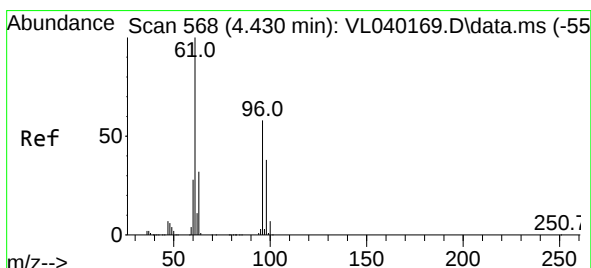
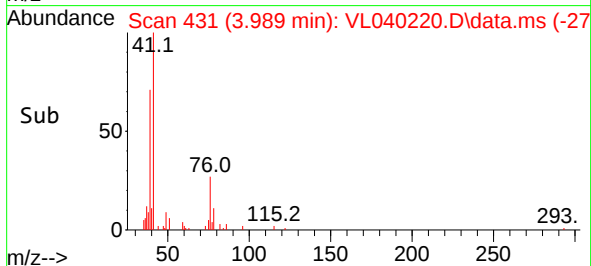
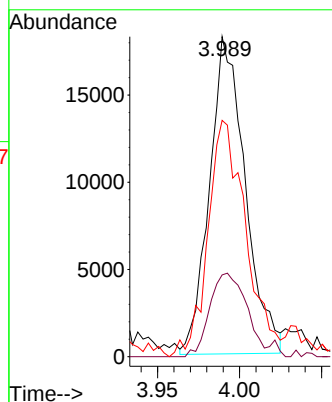
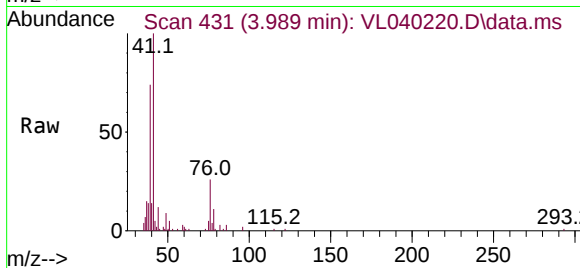
MDL-AIR-03-QT1-2023

Tgt Ion: 41	Resp: 2751
Ion Ratio	Lower Upper
41	100
76	28.5 25.5 38.3
39	87.2 64.5 96.7

Manual Integrations

APPROVED

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



#22

trans-1,2-Dichloroethene

Concen: 0.422 ppbv

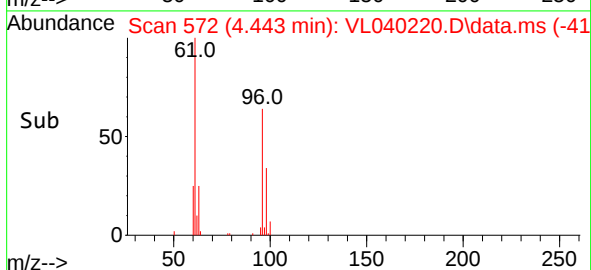
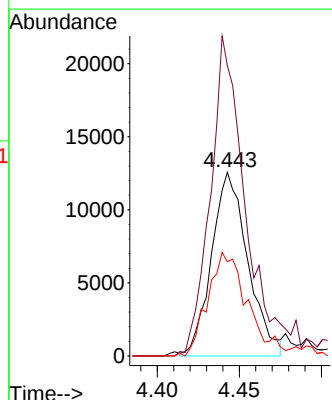
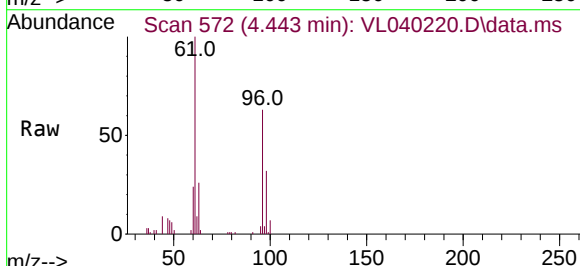
RT: 4.443 min Scan# 572

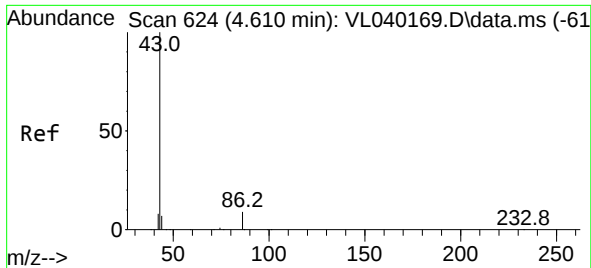
Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

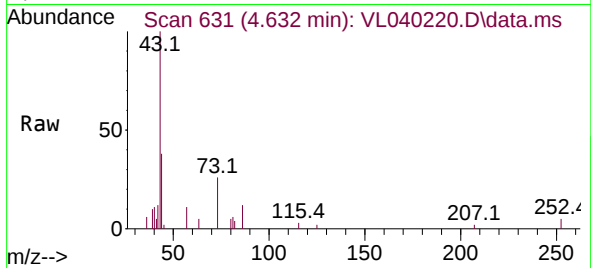
Tgt Ion: 96	Resp: 19323
Ion Ratio	Lower Upper
96	100
61	157.8 137.5 206.3
98	50.7 52.8 79.2#





#23
 Vinyl Acetate
 Concen: 0.396 ppbv m
 RT: 4.632 min Scan# 611
 Delta R.T. 0.010 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

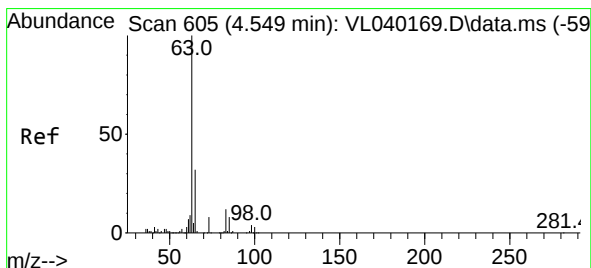
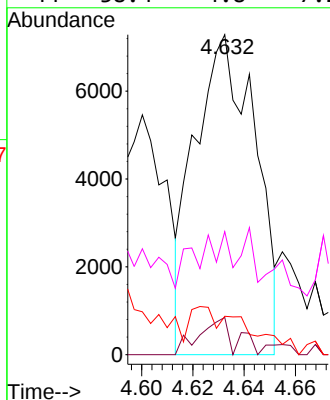
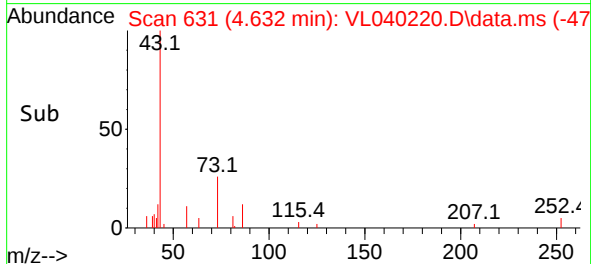
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



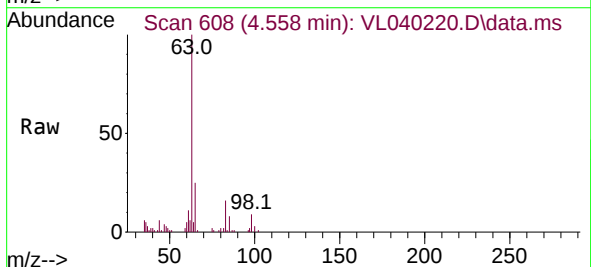
Tgt Ion: 43 Resp: 1193
 Ion Ratio Lower Upper
 43 100
 86 11.6 5.6 8.4
 42 12.0 7.6 11.4
 44 38.4 4.8 7.2

Manual Integrations
 APPROVED

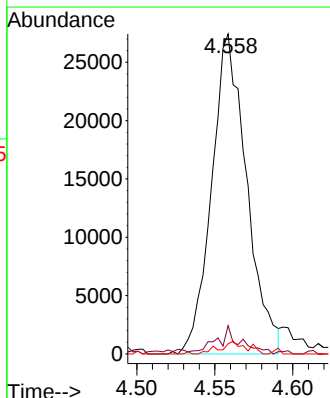
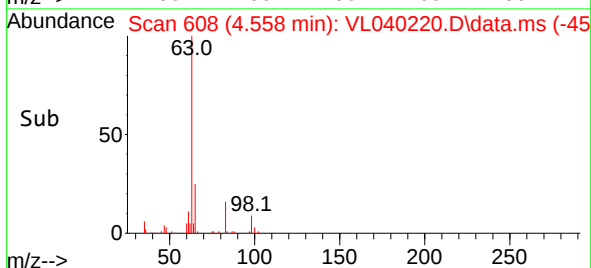
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023

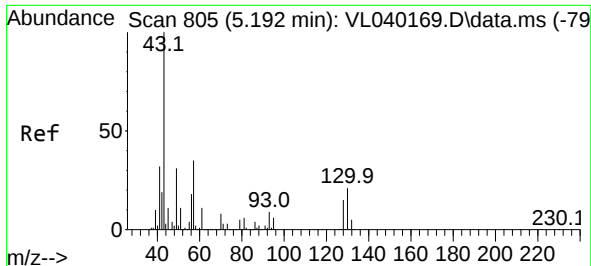


#24
 1,1-Dichloroethane
 Concen: 0.455 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12



Tgt Ion: 63 Resp: 42805
 Ion Ratio Lower Upper
 63 100
 98 8.2 2.3 6.8
 100 3.2 1.4 4.0





#25

Ethyl Acetate

Concen: 0.422 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL040220.D

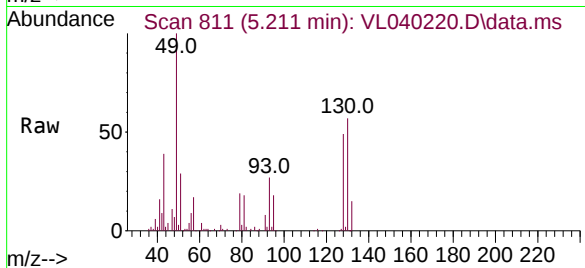
Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

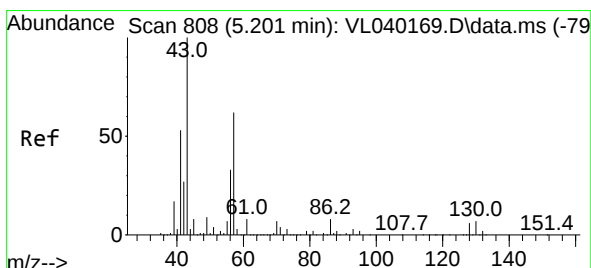
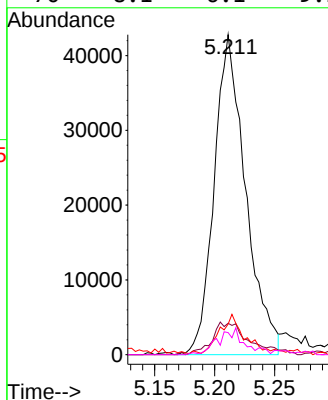
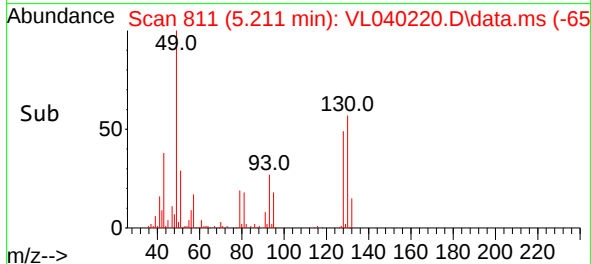


Tgt Ion: 43 Resp: 77844

Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.3	12.5
61	11.2	8.4	12.6
70	8.1	6.1	9.1

Manual Integrations
APPROVED

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



#26

Hexane

Concen: 0.407 ppbv

RT: 5.211 min Scan# 811

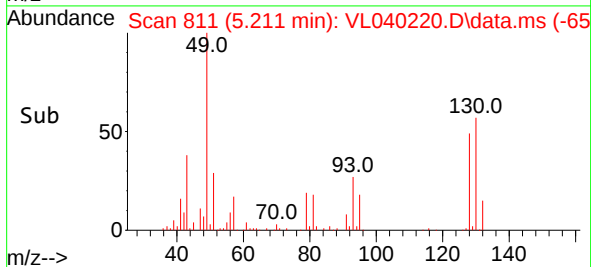
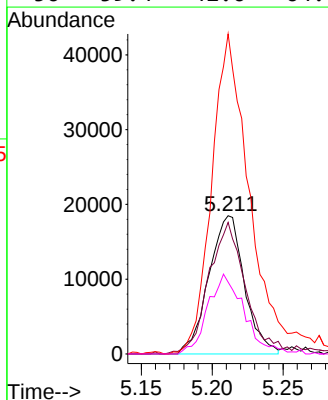
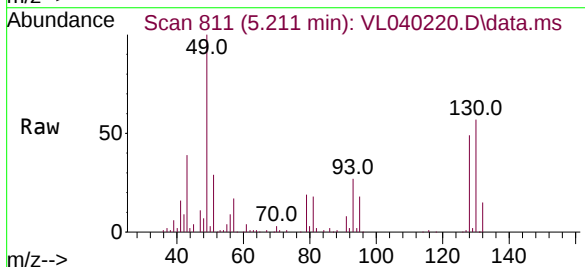
Delta R.T. 0.000 min

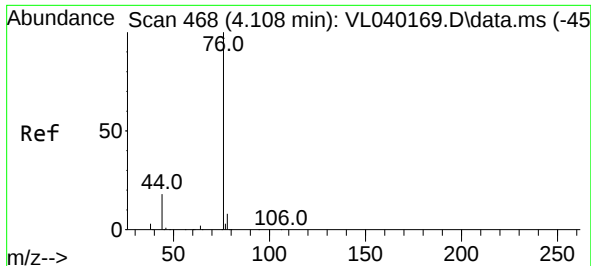
Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Tgt Ion: 57 Resp: 32260

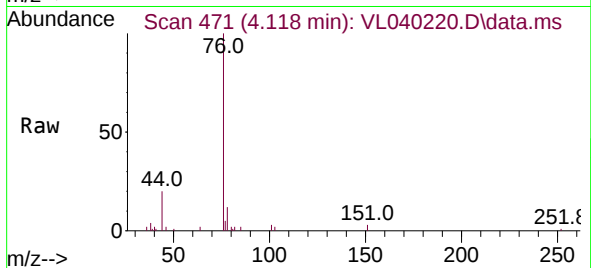
Ion	Ratio	Lower	Upper
57	100		
41	102.4	74.3	111.5
43	258.2	193.0	289.4
56	59.4	42.6	64.0





#27
Carbon Disulfide
Concen: 0.365 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

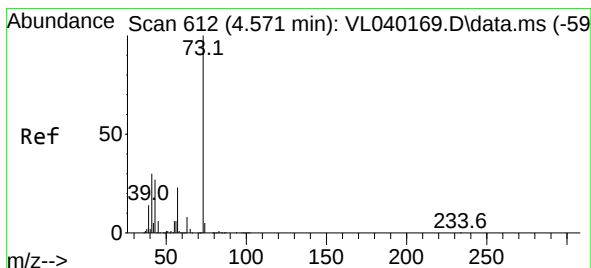
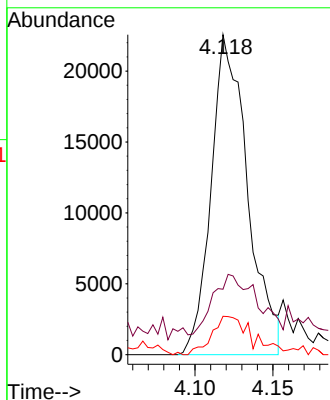
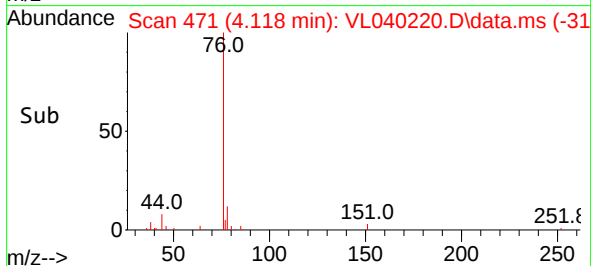
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 76 Resp: 36704
Ion Ratio Lower Upper
76 100
44 27.2 15.3 22.9
78 14.9 7.7 11.5

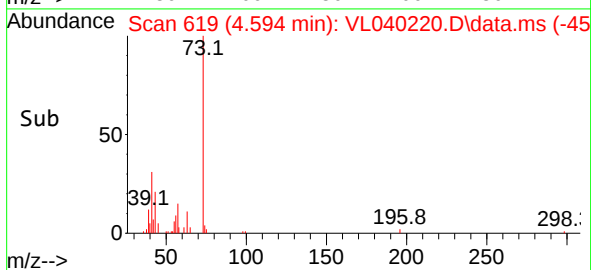
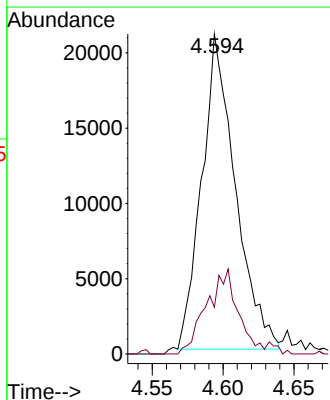
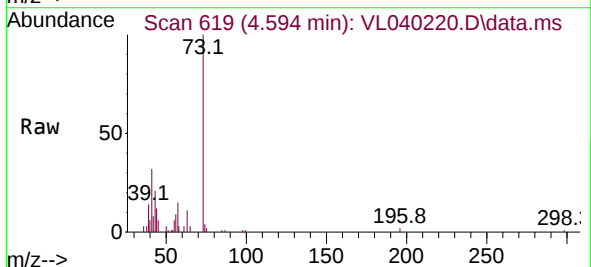
Manual Integrations
APPROVED

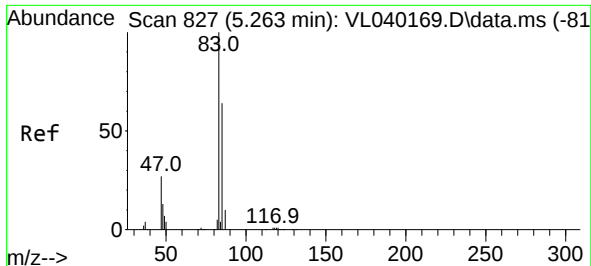
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#28
Methyl tert-Butyl Ether
Concen: 0.407 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.013 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 73 Resp: 34585
Ion Ratio Lower Upper
73 100
57 26.3 18.8 28.2





#29

Chloroform

Concen: 0.425 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 83 Resp: 5779

Ion Ratio Lower Upper

83 100

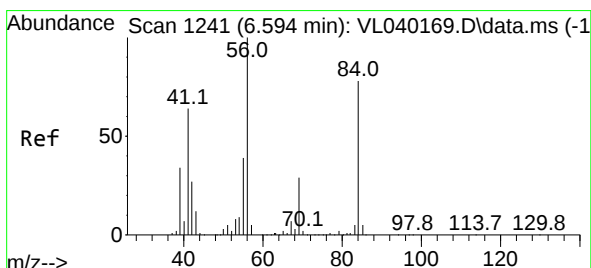
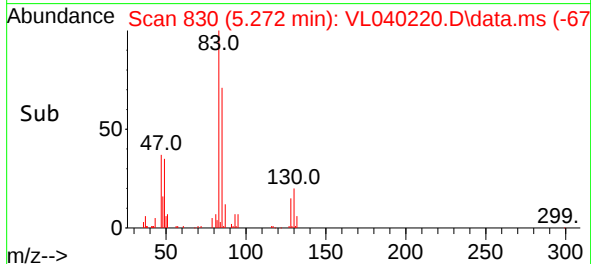
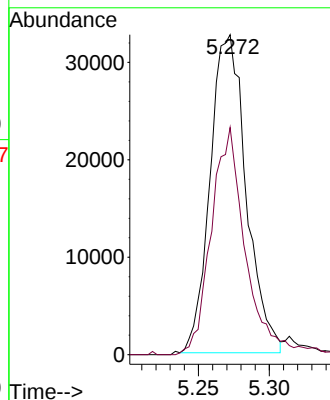
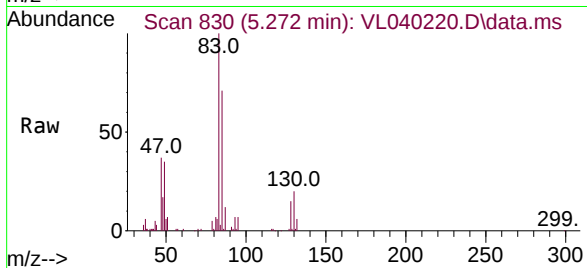
85 70.9 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#30

Cyclohexane

Concen: 0.339 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

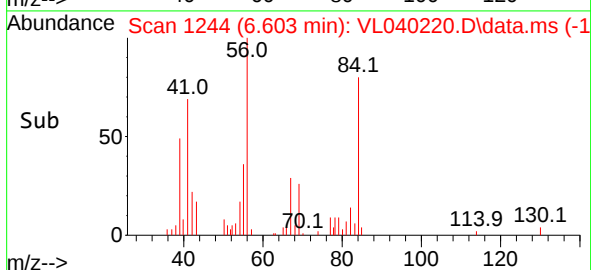
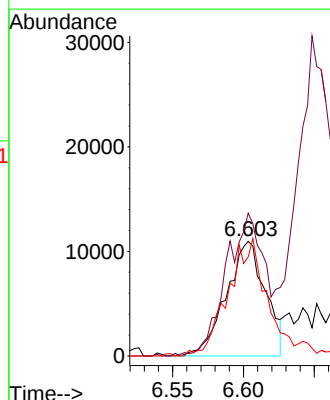
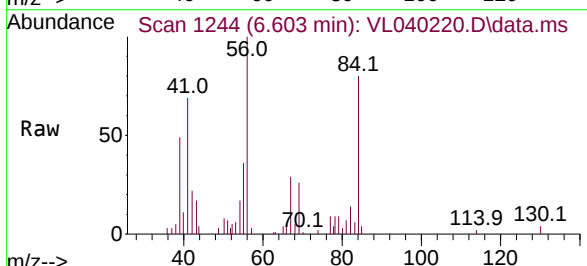
Tgt Ion: 84 Resp: 21110

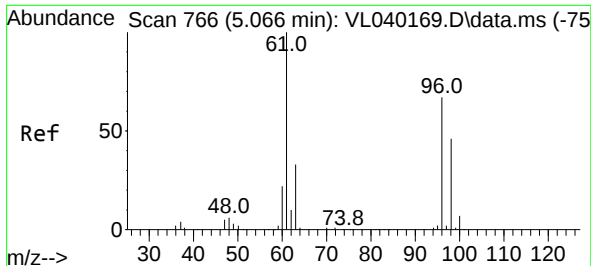
Ion Ratio Lower Upper

84 100

56 119.0 109.9 164.9

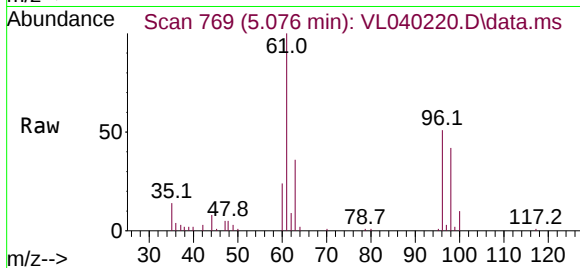
41 105.3 67.8 101.6#





#31
 cis-1,2-Dichloroethene
 Concen: 0.382 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.000 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

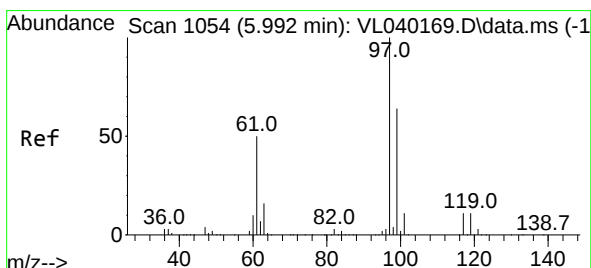
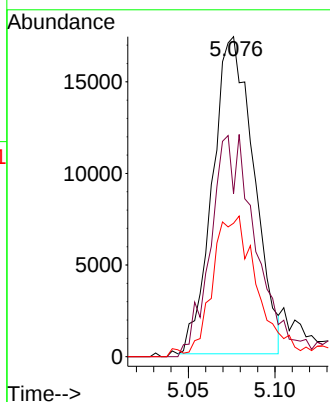
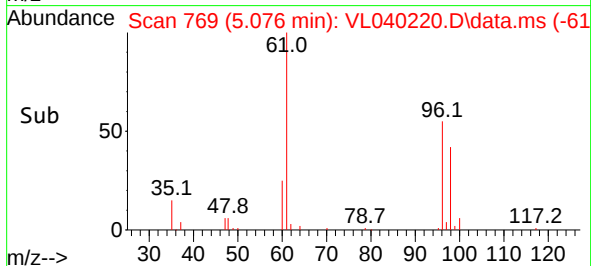
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2023



Tgt Ion: 61 Resp: 28714
 Ion Ratio Lower Upper
 61 100
 96 51.4 53.7 80.5
 98 39.9 36.4 54.6

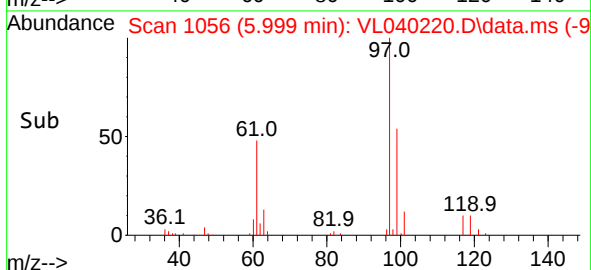
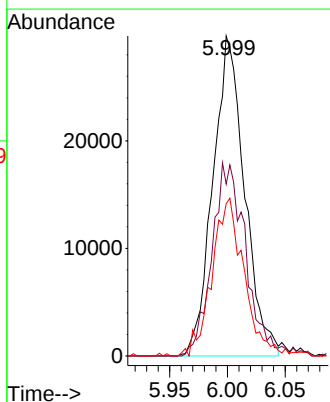
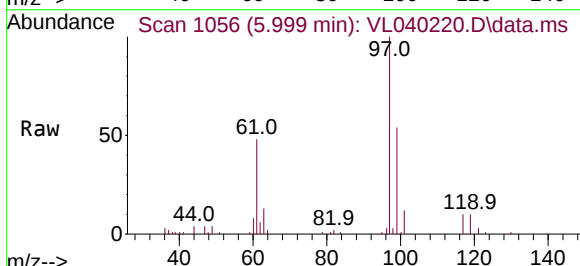
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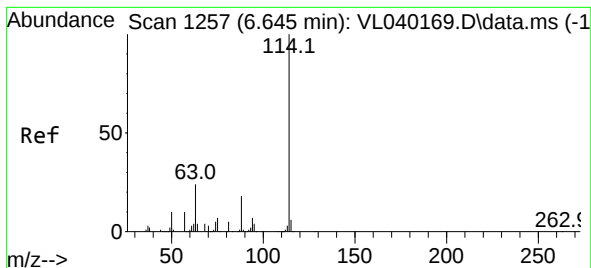
Reviewed By :Semsettin Yesilyurt 02/24/2023
 Supervised By :Mahesh Dadoda 02/24/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.444 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040220.D
 Acq: 23 Feb 2023 13:12

Tgt Ion: 97 Resp: 56764
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 50.5 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: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:114 Resp: 2082370

Ion Ratio Lower Upper

114 100

63 26.1 20.4 30.6

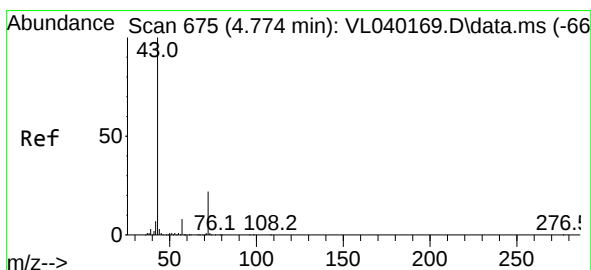
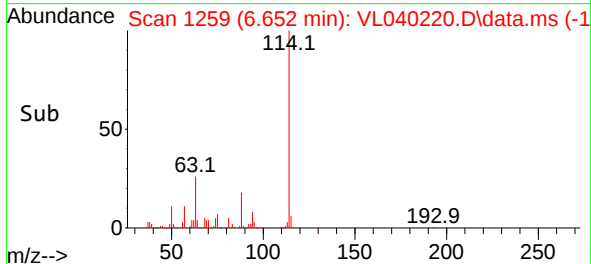
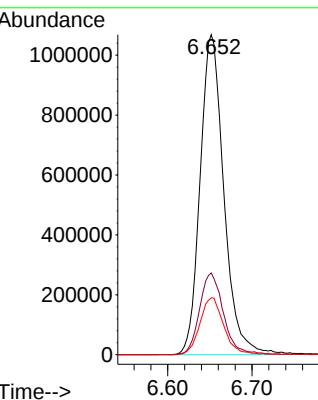
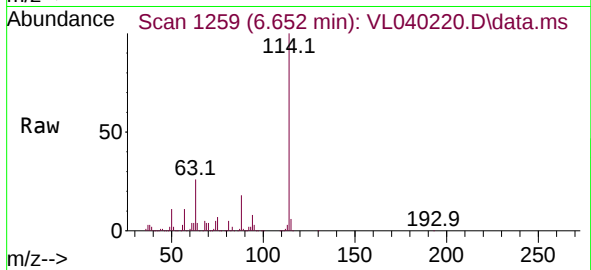
88 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#34

2-Butanone

Concen: 0.443 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.016 min

Lab File: VL040220.D

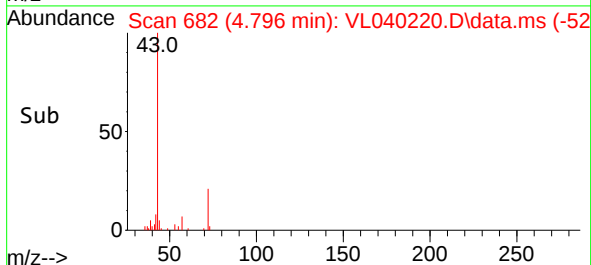
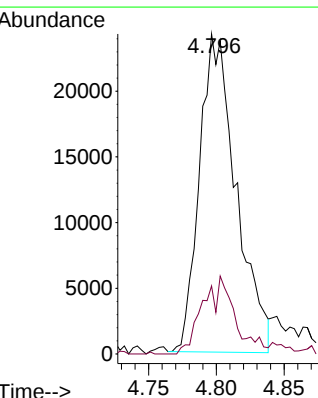
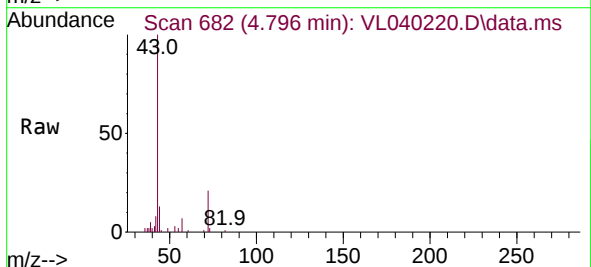
Acq: 23 Feb 2023 13:12

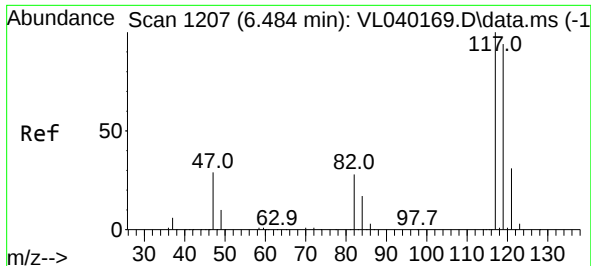
Tgt Ion: 43 Resp: 45526

Ion Ratio Lower Upper

43 100

72 24.4 17.8 26.8





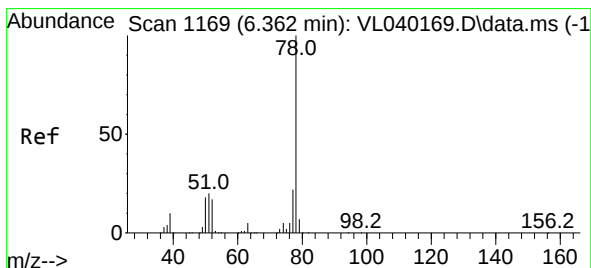
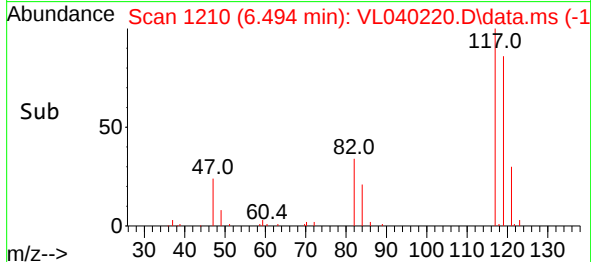
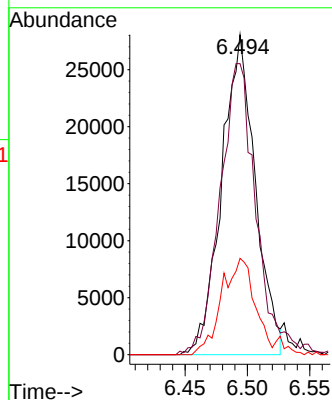
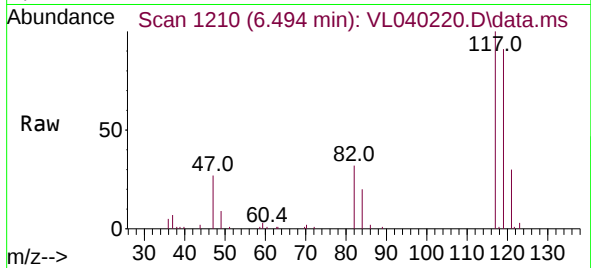
#35
Carbon Tetrachloride
Concen: 0.427 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 117 Resp: 5262
Ion Ratio Lower Upper
117 100
119 89.9 75.0 112.6
121 30.9 25.0 37.4

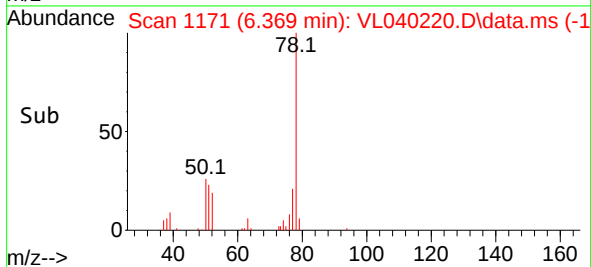
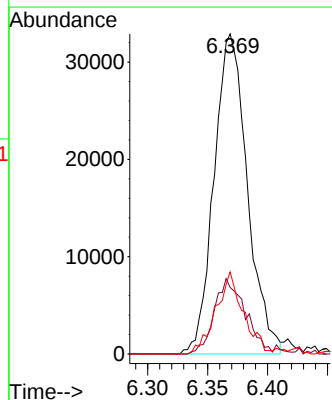
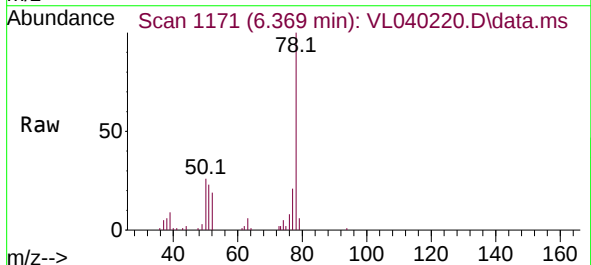
Manual Integrations
APPROVED

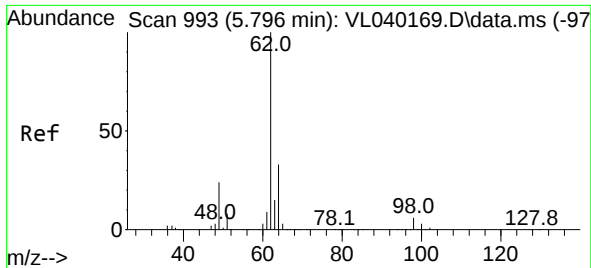
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#36
Benzene
Concen: 0.392 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

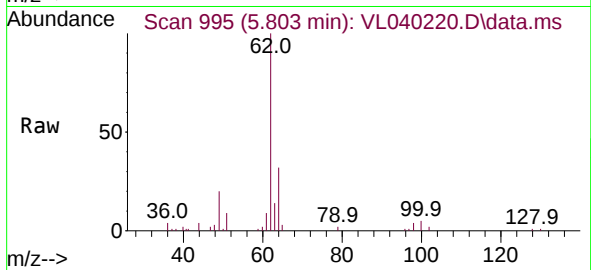
Tgt Ion: 78 Resp: 63597
Ion Ratio Lower Upper
78 100
77 20.8 17.5 26.3
50 25.7 14.6 22.0#





#37
1,2-Dichloroethane
Concen: 0.444 ppbv
RT: 5.803 min Scan# 995
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

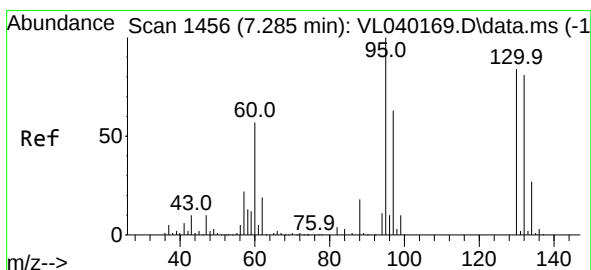
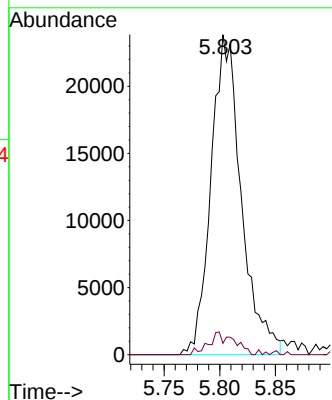
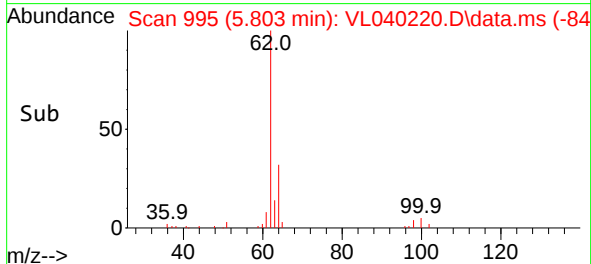
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



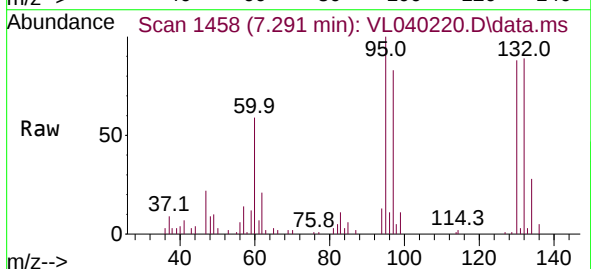
Tgt Ion: 62 Resp: 4502
Ion Ratio Lower Upper
62 100
98 6.4 4.7 7.1

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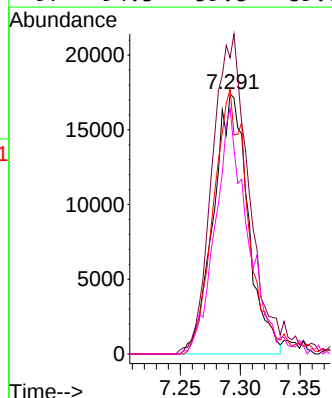
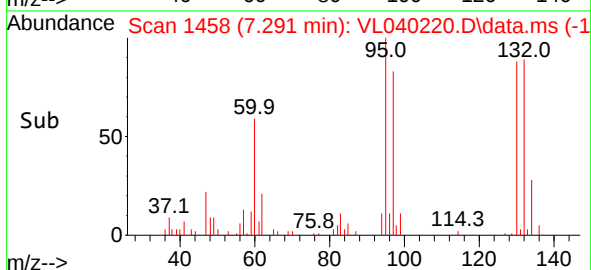
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

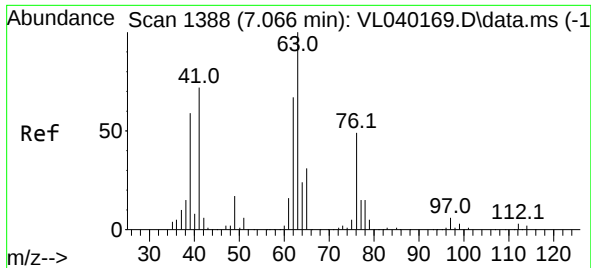


#38
Trichloroethene
Concen: 0.391 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12



Tgt Ion:130 Resp: 34905
Ion Ratio Lower Upper
130 100
95 112.2 94.7 142.1
132 101.7 76.4 114.6
97 94.3 59.8 89.6#





#39

1,2-Dichloropropane

Concen: 0.427 ppbv

RT: 7.073 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

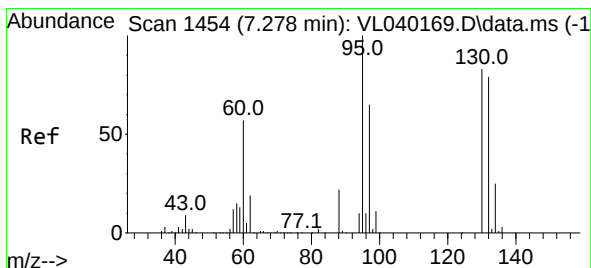
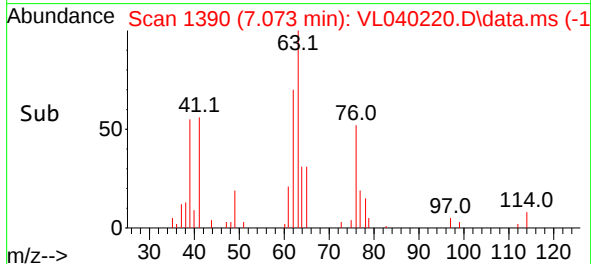
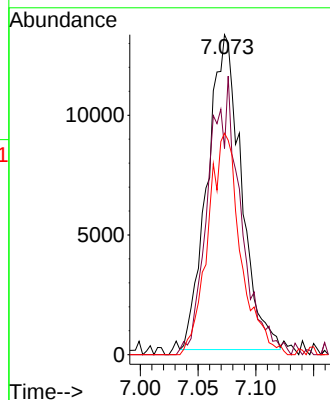
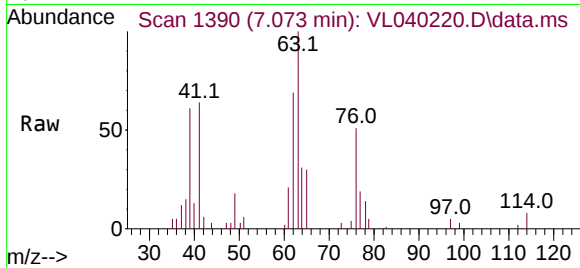
Tgt Ion: 63 Resp: 2692

Ion	Ratio	Lower	Upper
63	100		
41	63.8	57.6	86.4
62	68.7	54.0	81.0

Manual Integrations

APPROVED

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



#40

1,4-Dioxane

Concen: 0.430 ppbv m

RT: 7.324 min Scan# 1468

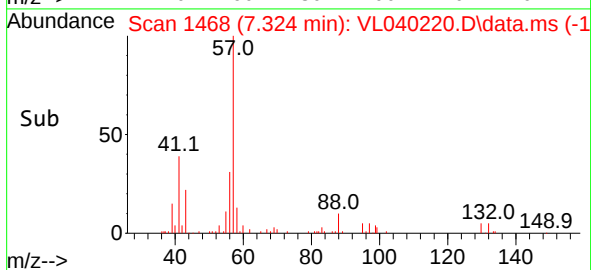
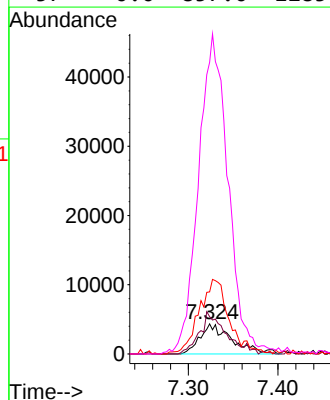
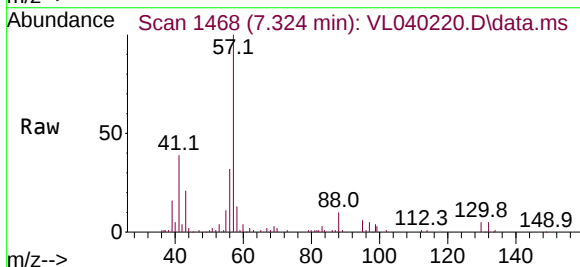
Delta R.T. 0.036 min

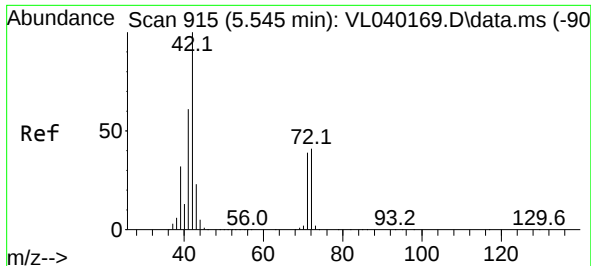
Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Tgt Ion: 88 Resp: 10833

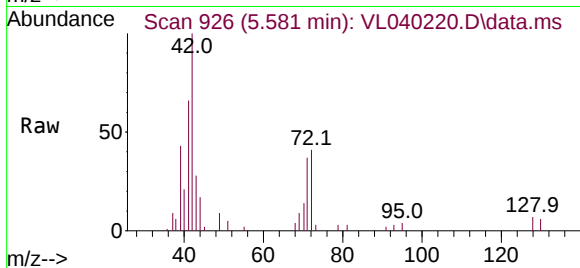
Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.4	146.0#
43	0.0	193.5	290.3#
57	0.0	857.0	1285.6#





#41
Tetrahydrofuran
Concen: 0.416 ppbv m
RT: 5.581 min Scan# 915
Delta R.T. 0.026 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

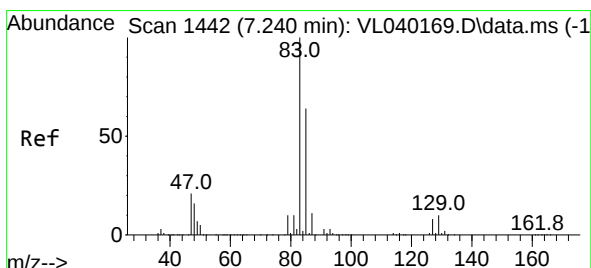
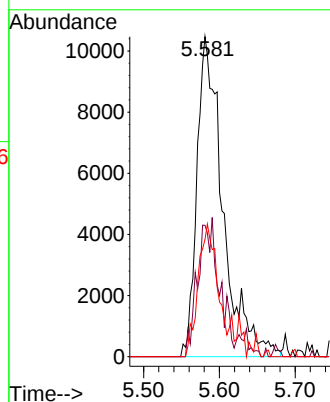
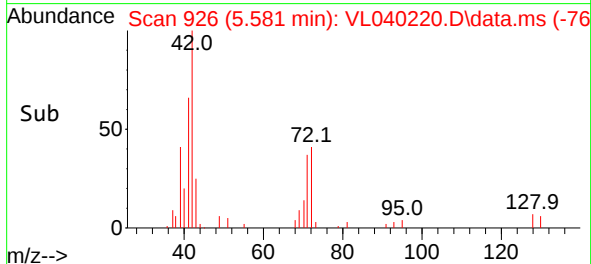
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 42 Resp: 24780
Ion Ratio Lower Upper
42 100
72 0.0 33.0 49.4
71 37.5 31.4 47.2

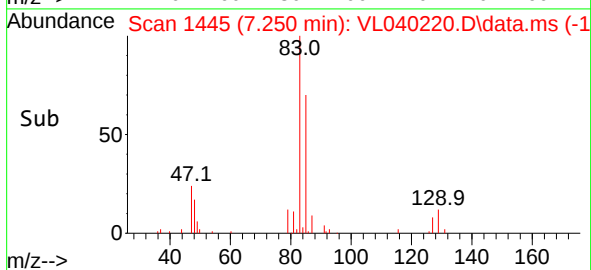
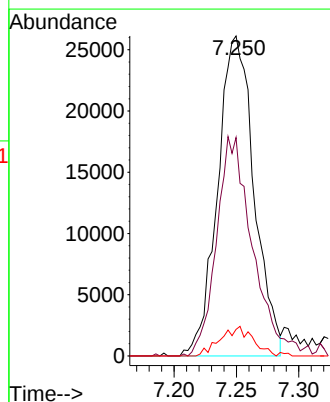
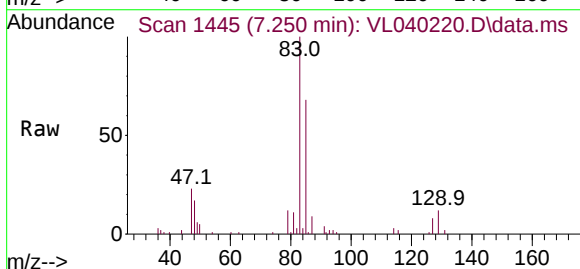
Manual Integrations
APPROVED

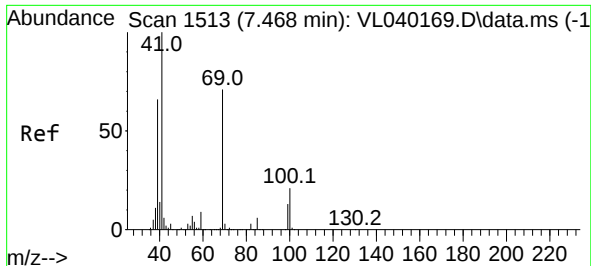
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#42
Bromodichloromethane
Concen: 0.380 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 83 Resp: 53214
Ion Ratio Lower Upper
83 100
85 68.2 50.9 76.3
127 8.3 6.2 9.2





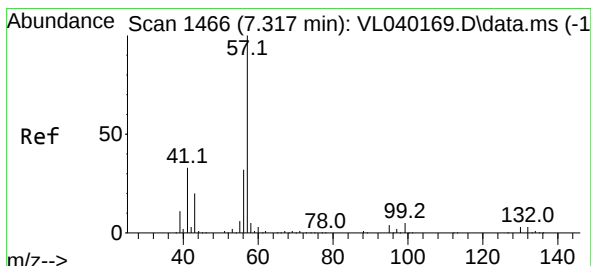
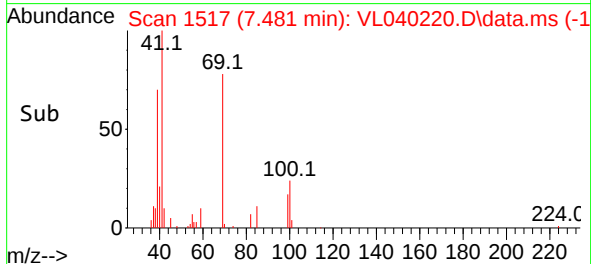
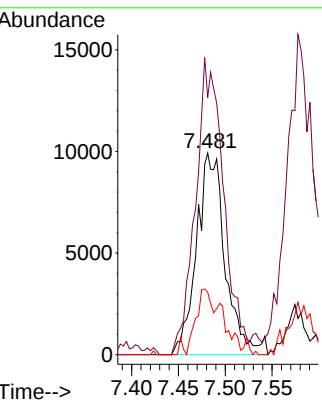
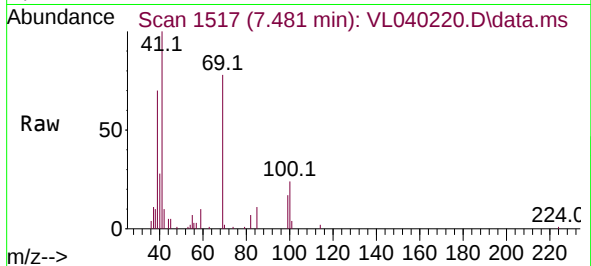
#43
Methyl Methacrylate
Concen: 0.352 ppbv m
RT: 7.481 min Scan# 1513
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 69 Resp: 2108
Ion Ratio Lower Upper
69 100
41 148.0 116.6 174.8
100 32.0 25.6 38.4

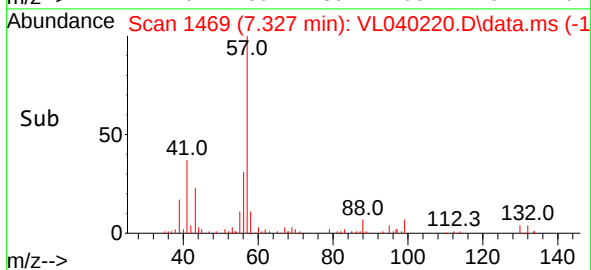
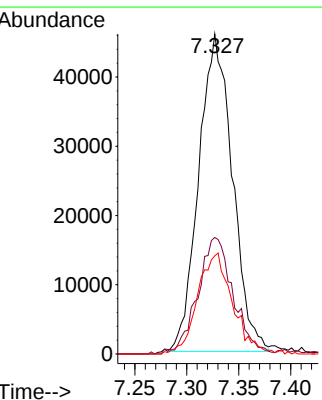
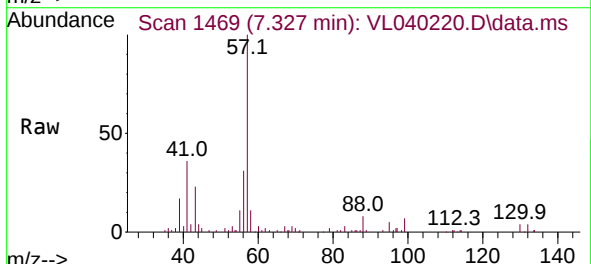
Manual Integrations
APPROVED

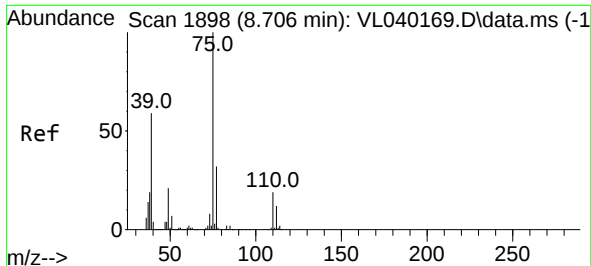
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#44
2,2,4-Trimethylpentane
Concen: 0.381 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 57 Resp: 103181
Ion Ratio Lower Upper
57 100
41 38.6 26.2 39.4
56 33.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 0.298 ppbv m

RT: 8.706 min Scan# 1898

Delta R.T. -0.009 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 75 Resp: 15850

Ion Ratio Lower Upper

75 100

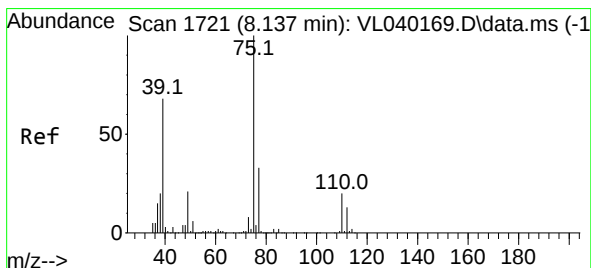
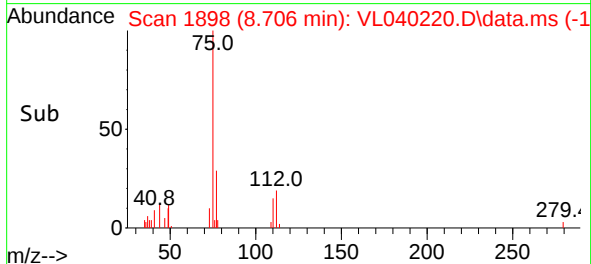
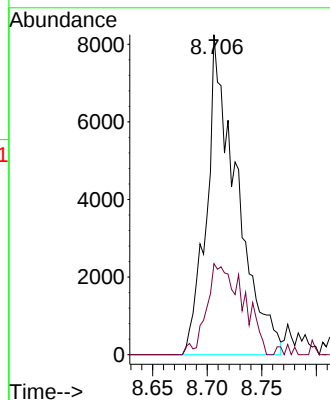
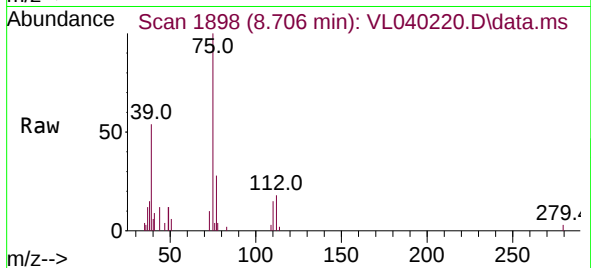
77 28.5 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#46

cis-1,3-Dichloropropene

Concen: 0.340 ppbv m

RT: 8.144 min Scan# 1723

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

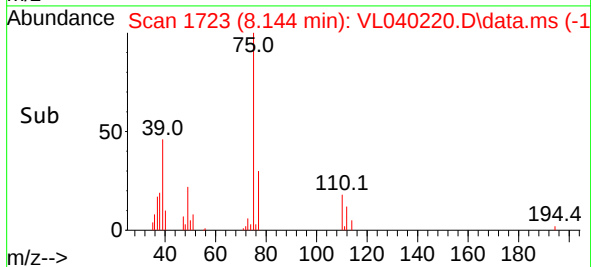
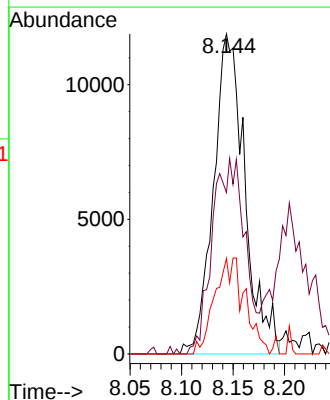
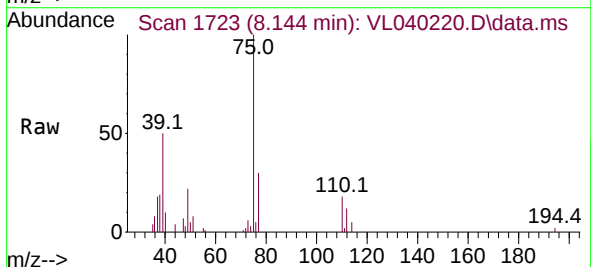
Tgt Ion: 75 Resp: 25209

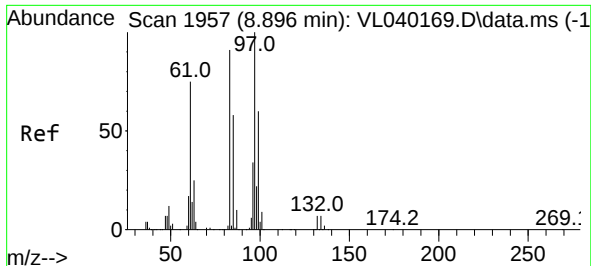
Ion Ratio Lower Upper

75 100

39 50.4 54.2 81.2#

77 29.8 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 0.427 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. -0.010 min

Lab File: VL040220.D

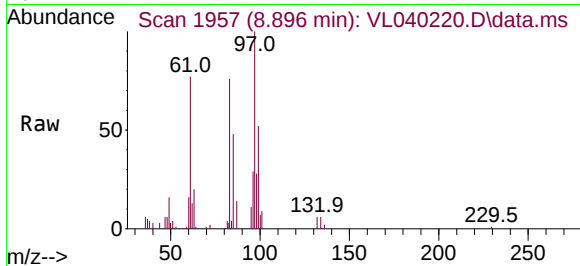
Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion: 97 Resp: 29118

Ion Ratio Lower Upper

97 100

83 74.4 72.8 109.2

85 46.3 46.6 69.8

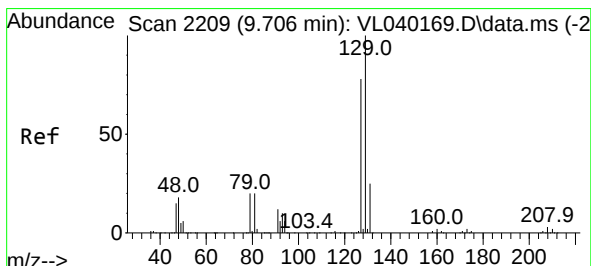
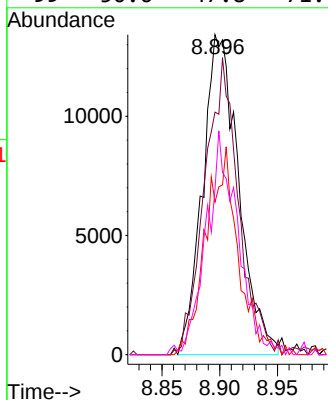
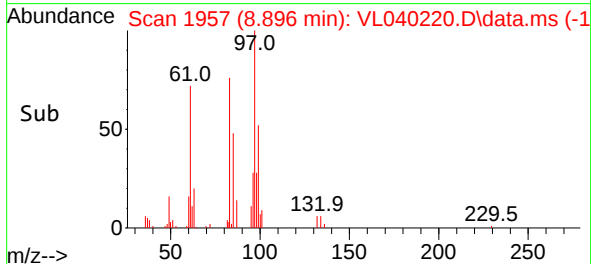
99 50.6 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#48

Dibromochloromethane

Concen: 0.344 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.006 min

Lab File: VL040220.D

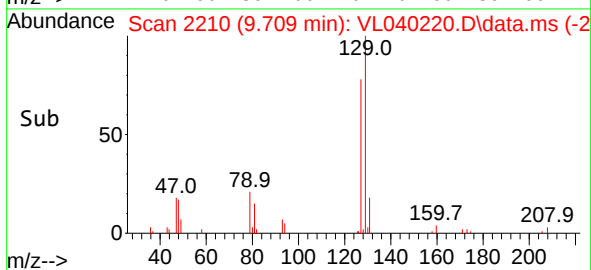
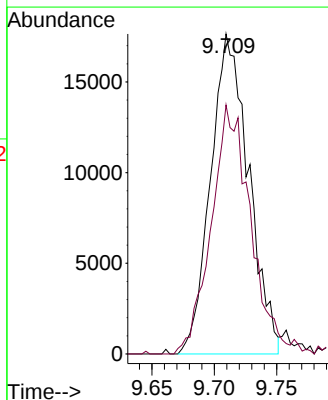
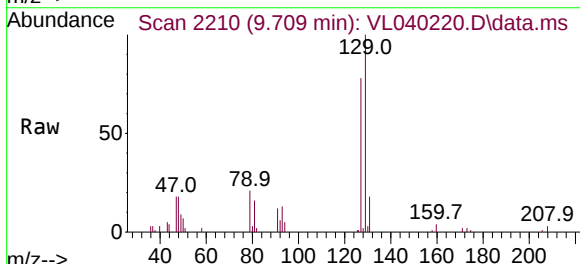
Acq: 23 Feb 2023 13:12

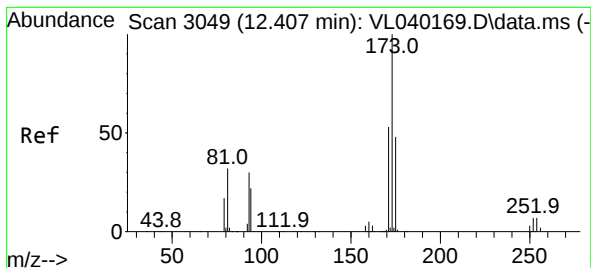
Tgt Ion:129 Resp: 37503

Ion Ratio Lower Upper

129 100

127 80.8 39.1 117.2





#49

Bromoform

Concen: 0.334 ppbv m

RT: 12.413 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

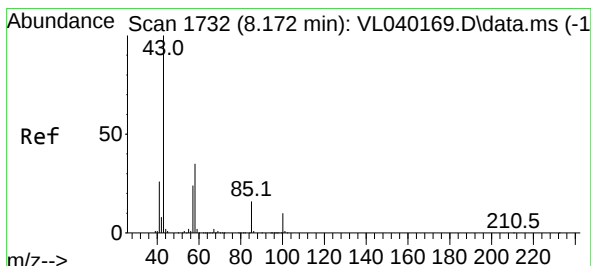
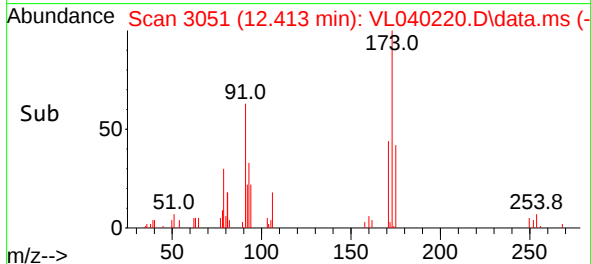
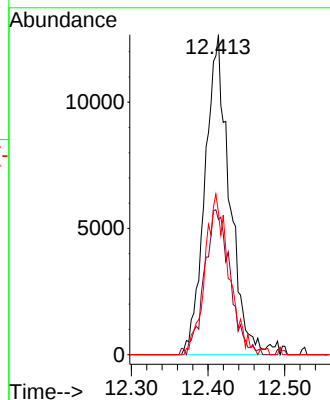
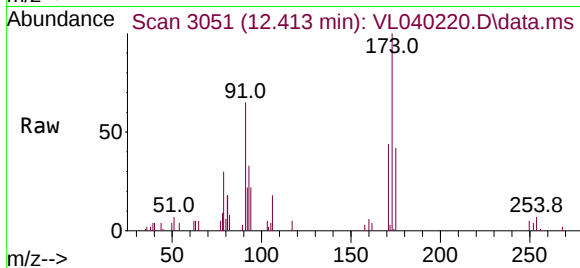
MDL-AIR-03-QT1-2023

Tgt Ion:173	Resp:	28470
Ion Ratio	Lower	Upper
173	100	
175	47.0	39.4 59.0
171	49.3	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: 0.368 ppbv

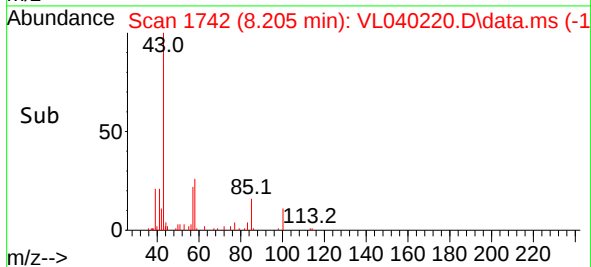
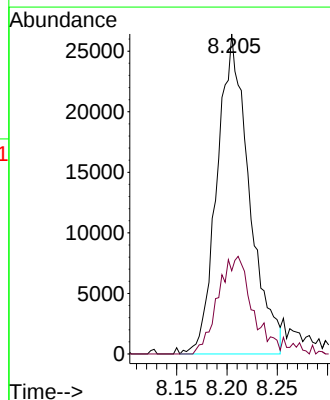
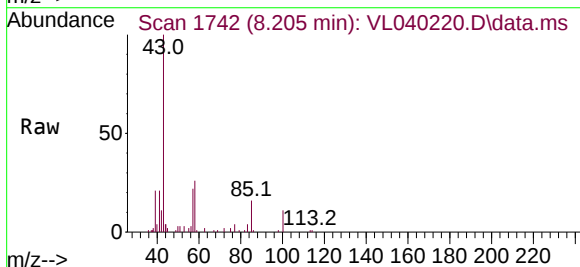
RT: 8.205 min Scan# 1742

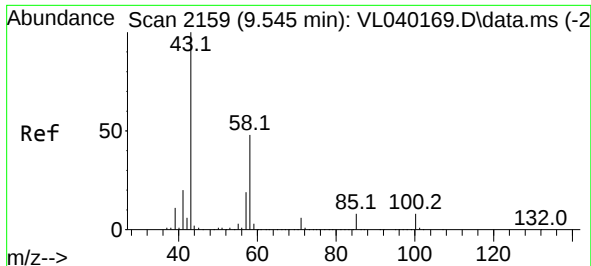
Delta R.T. 0.023 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

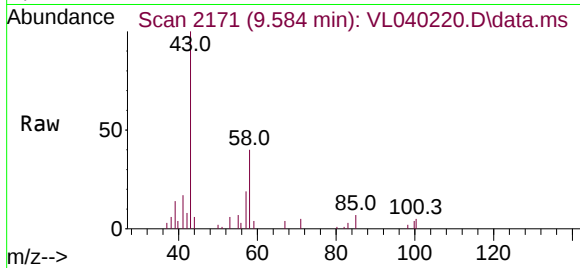
Tgt Ion: 43	Resp:	58724
Ion Ratio	Lower	Upper
43	100	
58	34.5	29.2 43.8





#51
2-Hexanone
Concen: 0.339 ppbv m
RT: 9.584 min Scan# 2159
Delta R.T. 0.029 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

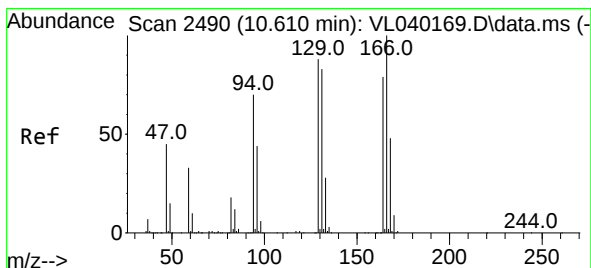
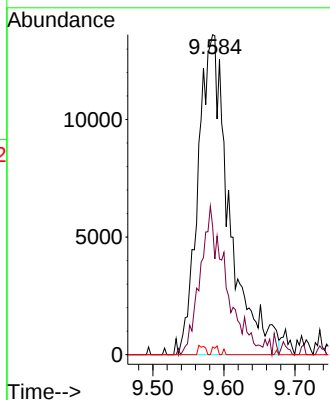
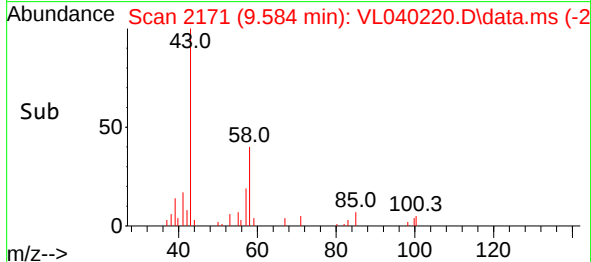
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 43 Resp: 41544
Ion Ratio Lower Upper
43 100
58 40.4 39.1 58.7
98 0.6 0.2 0.4

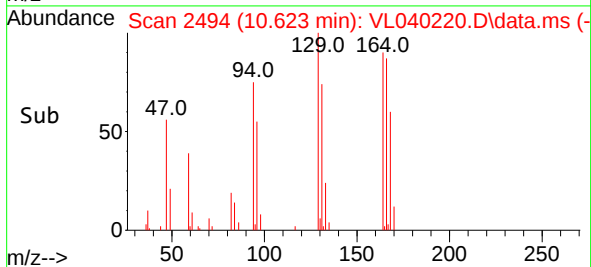
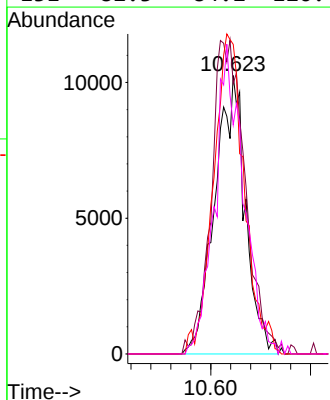
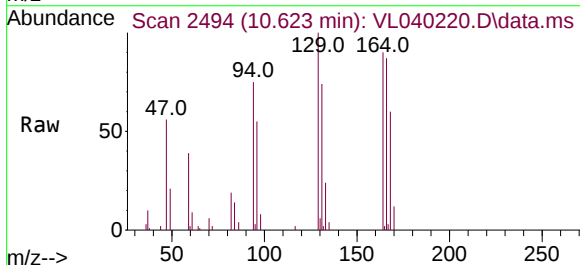
Manual Integrations
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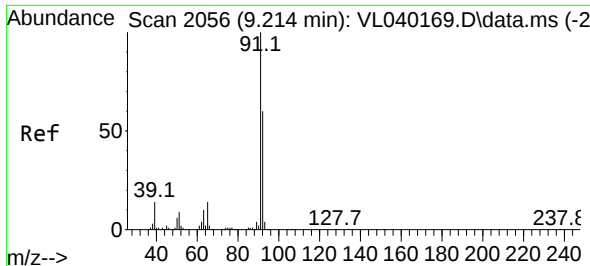
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#52
Tetrachloroethene
Concen: 0.431 ppbv m
RT: 10.623 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

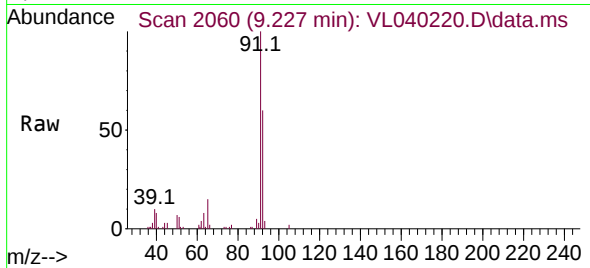
Tgt Ion:164 Resp: 21823
Ion Ratio Lower Upper
164 100
166 97.1 101.5 152.3#
129 111.2 89.0 133.4
131 82.3 84.2 126.4#





#53
Toluene
Concen: 0.334 ppbv m
RT: 9.227 min Scan# 2060
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

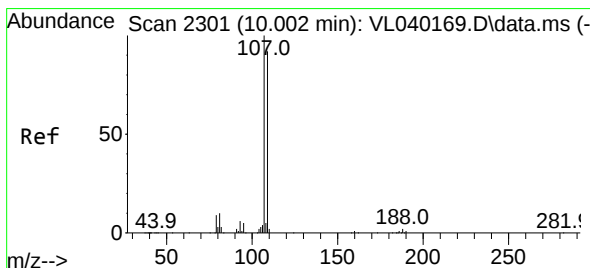
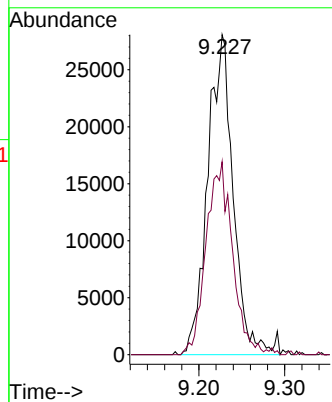
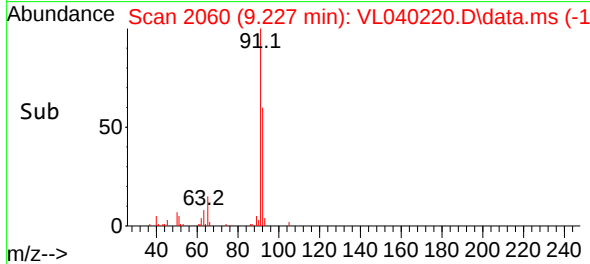
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



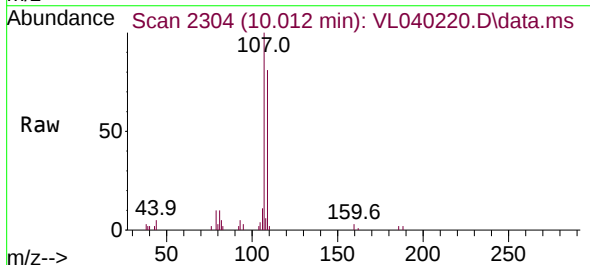
Tgt Ion: 91 Resp: 58010
Ion Ratio Lower Upper
91 100
92 62.9 48.9 73.3

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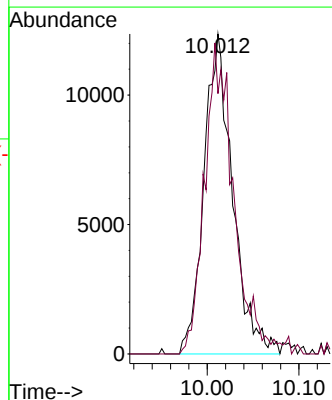
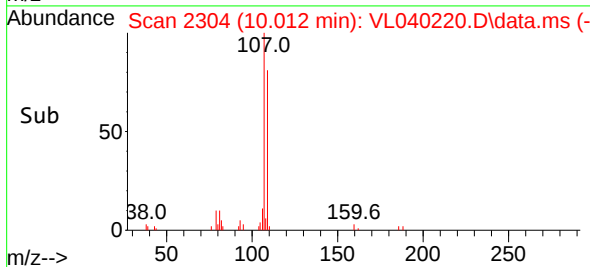
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

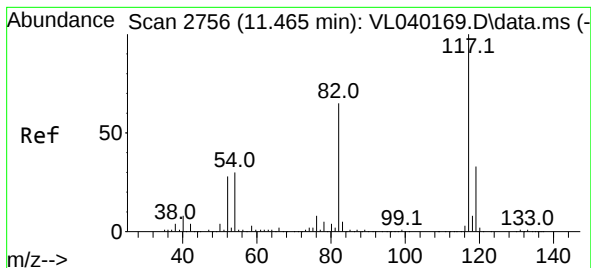


#54
1,2-Dibromoethane
Concen: 0.376 ppbv m
RT: 10.012 min Scan# 2304
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12



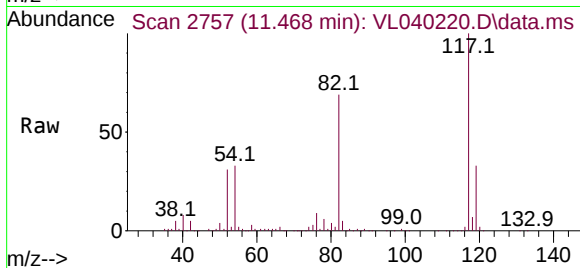
Tgt Ion:107 Resp: 26709
Ion Ratio Lower Upper
107 100
109 81.4 73.8 110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

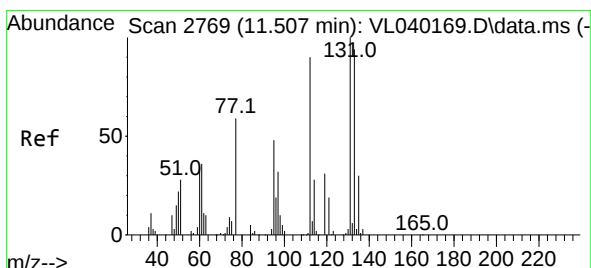
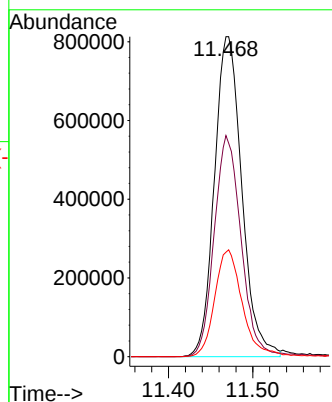
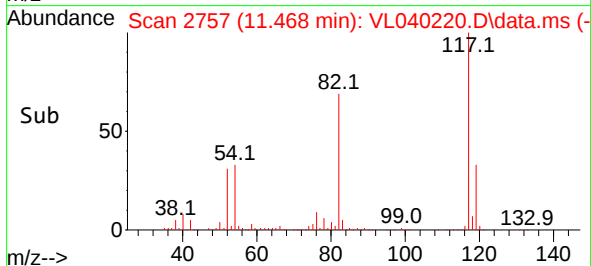
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:117 Resp: 183708
Ion Ratio Lower Upper
117 100
82 68.7 53.3 79.9
119 34.0 24.6 37.0

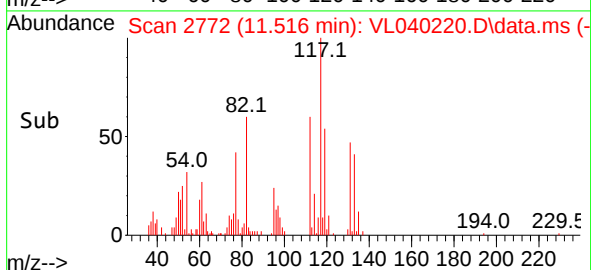
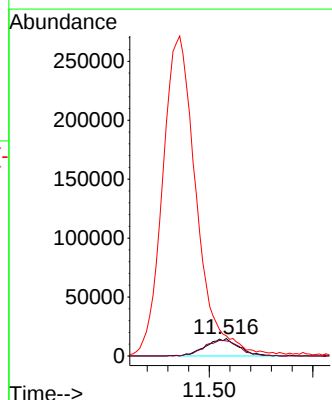
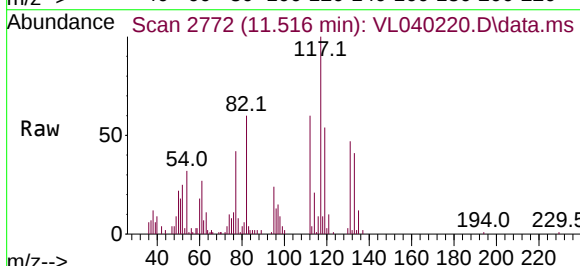
Manual Integrations
APPROVED

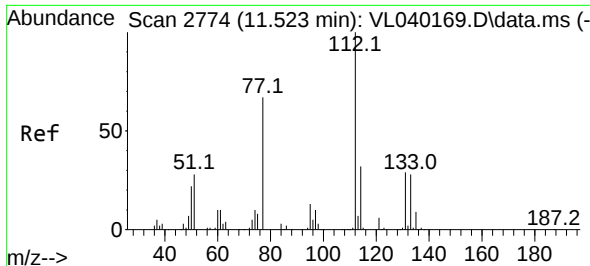
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.425 ppbv m
RT: 11.516 min Scan# 2772
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

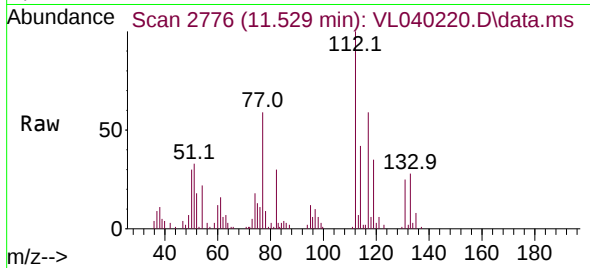
Tgt Ion:131 Resp: 32744
Ion Ratio Lower Upper
131 100
133 95.9 76.2 114.2
119 0.0 45.4 68.0#





#57
Chlorobenzene
Concen: 0.452 ppbv
RT: 11.529 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

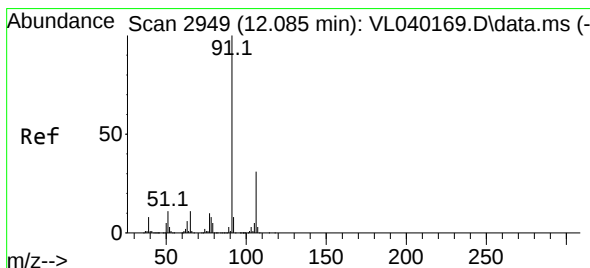
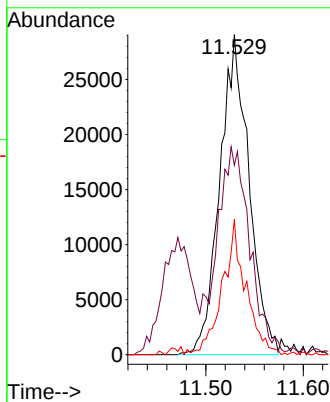
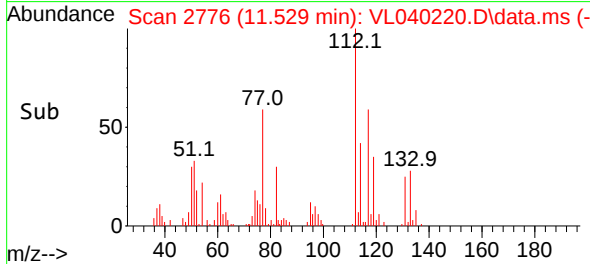
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 112 Resp: 60634
Ion Ratio Lower Upper
112 100
77 55.1 55.0 82.4
114 41.2 29.0 35.4

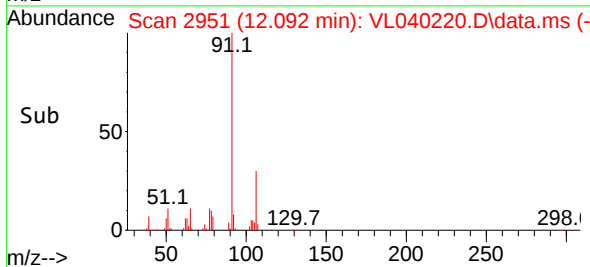
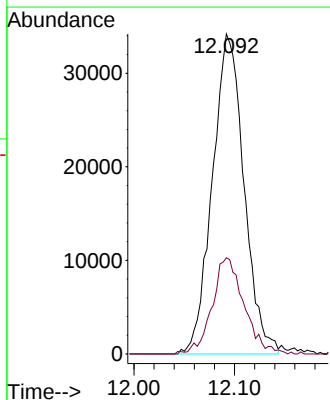
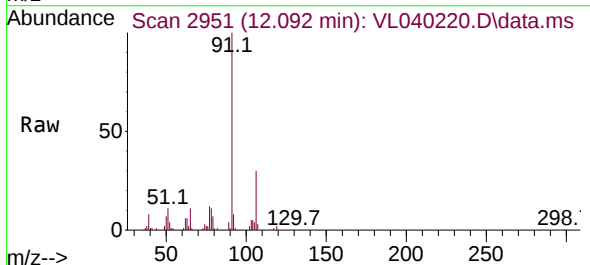
Manual Integrations
APPROVED

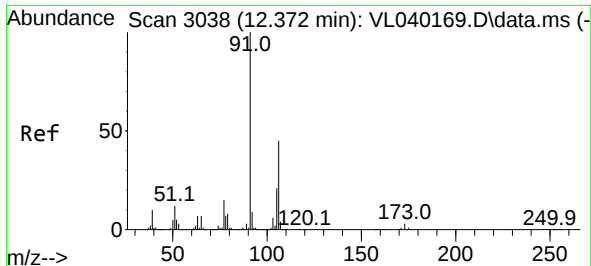
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#58
Ethyl Benzene
Concen: 0.334 ppbv
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 91 Resp: 74658
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3





#59

m/p-Xylene

Concen: 0.750 ppbv m

RT: 12.368 min Scan# 3037

Delta R.T. -0.013 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion: 91 Resp: 14831

Ion Ratio Lower Upper

91 100

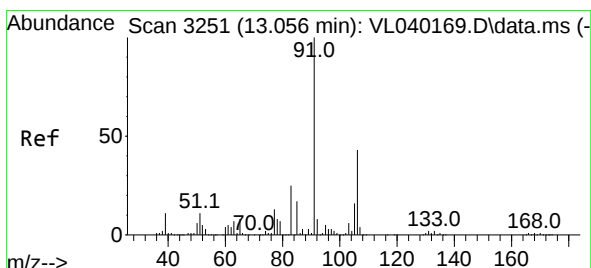
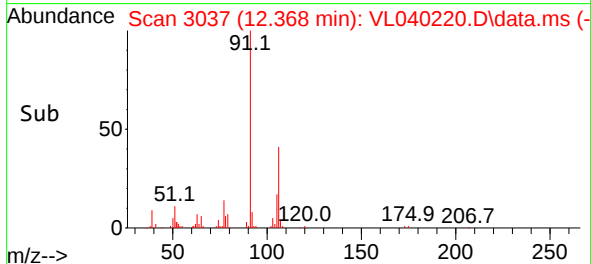
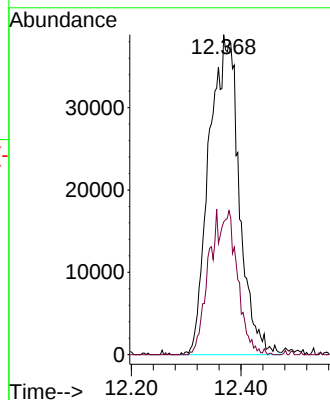
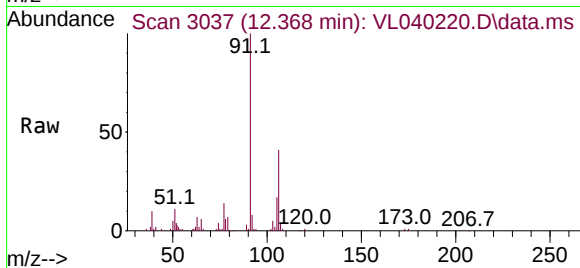
106 0.0 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#60

o-Xylene

Concen: 0.362 ppbv m

RT: 13.069 min Scan# 3255

Delta R.T. 0.003 min

Lab File: VL040220.D

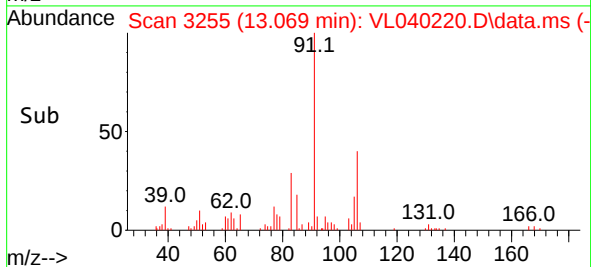
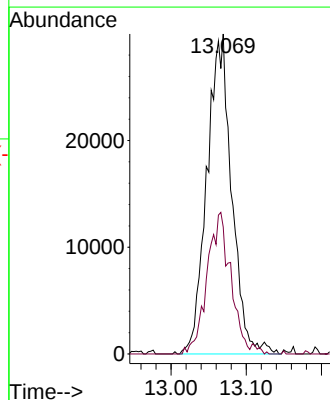
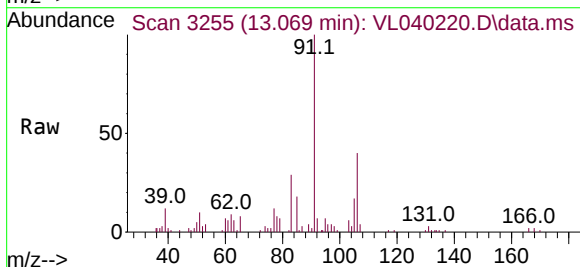
Acq: 23 Feb 2023 13:12

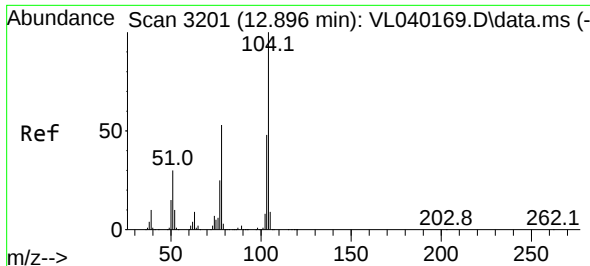
Tgt Ion: 91 Resp: 68856

Ion Ratio Lower Upper

91 100

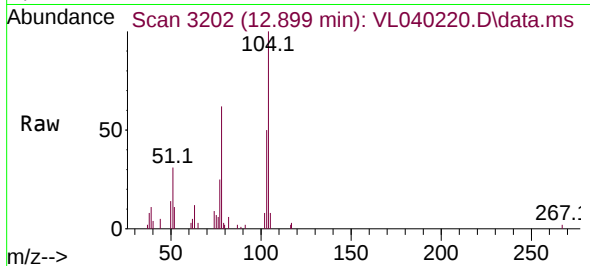
106 0.0 21.6 65.0





#61
Styrene
Concen: 0.275 ppbv m
RT: 12.899 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

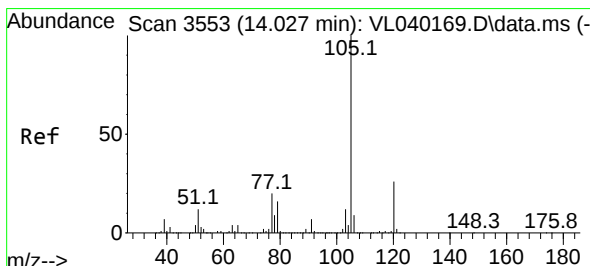
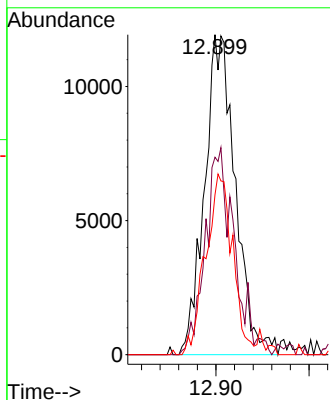
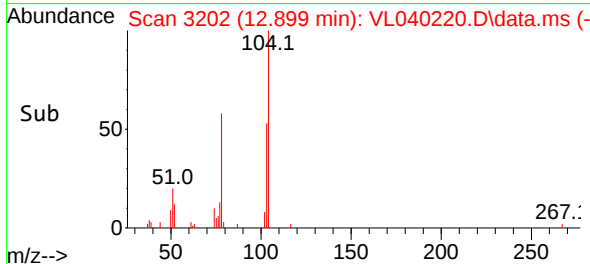
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



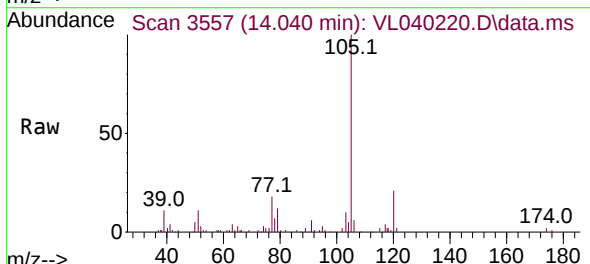
Tgt Ion:104 Resp: 27419
Ion Ratio Lower Upper
104 100
78 0.0 42.3 63.5
103 0.0 37.5 56.3

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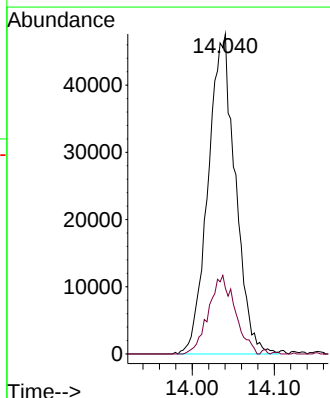
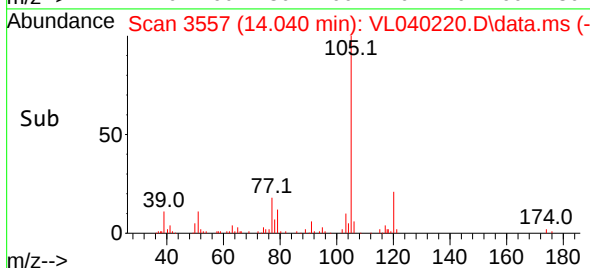
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

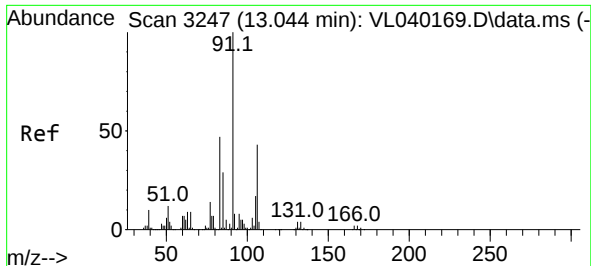


#62
Isopropylbenzene
Concen: 0.402 ppbv
RT: 14.040 min Scan# 3557
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12



Tgt Ion:105 Resp: 109778
Ion Ratio Lower Upper
105 100
120 24.2 20.3 30.5





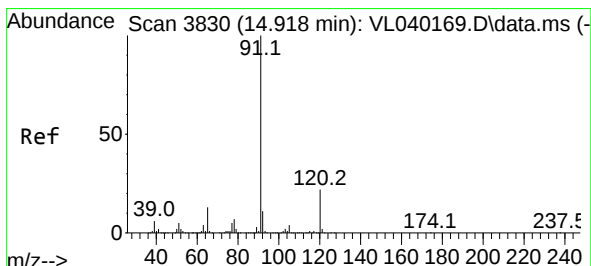
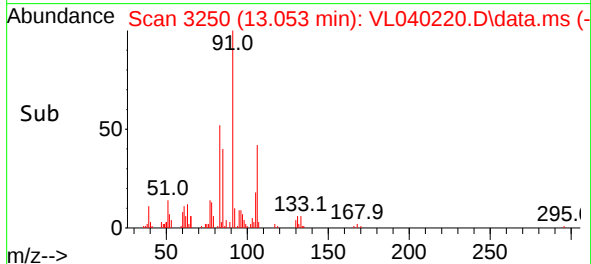
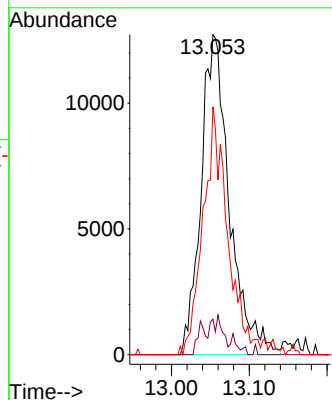
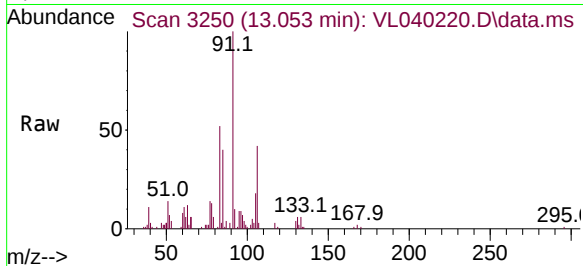
#63
1,1,2,2-Tetrachloroethane
Concen: 0.471 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 83 Resp: 32254
Ion Ratio Lower Upper
83 100
131 9.8 4.4 13.2
85 69.2 33.0 99.0

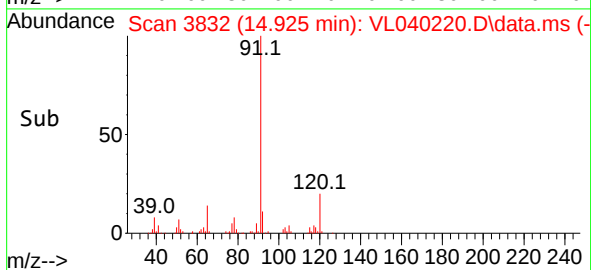
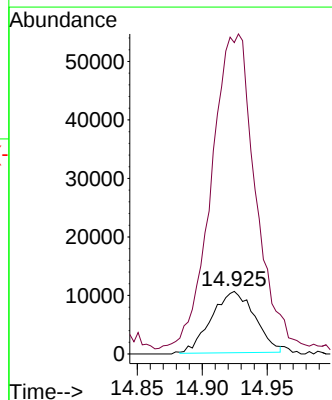
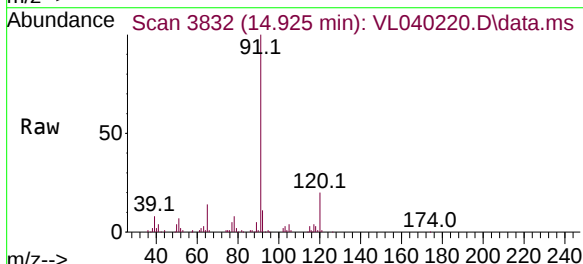
Manual Integrations
APPROVED

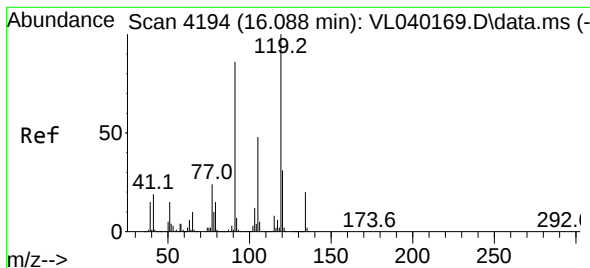
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#64
n-propylbenzene
Concen: 0.361 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

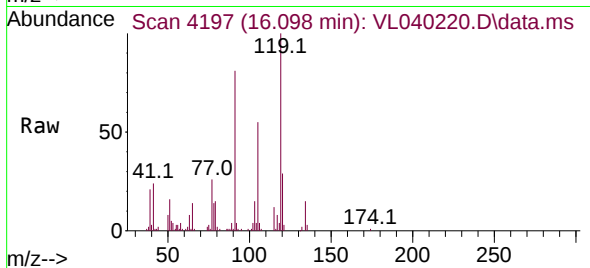
Tgt Ion:120 Resp: 24394
Ion Ratio Lower Upper
120 100
91 559.4 389.8 584.8





#65
tert-Butylbenzene
Concen: 0.357 ppbv
RT: 16.098 min Scan# 4194
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

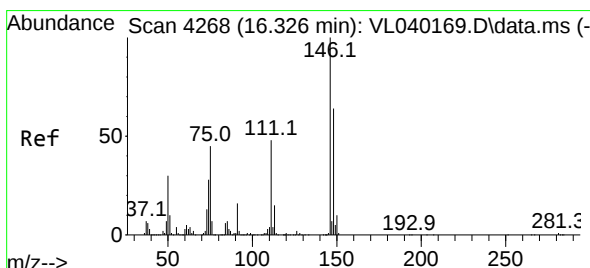
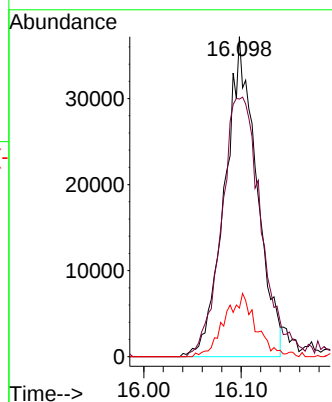
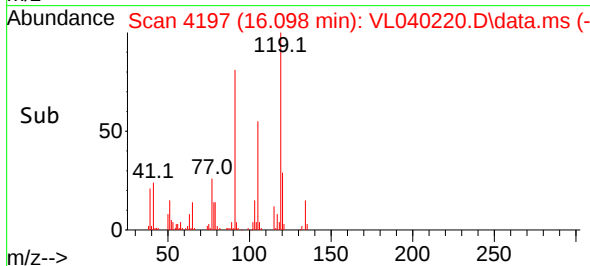
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion: 119 Resp: 8479
Ion Ratio Lower Upper
119 100
91 103.3 68.6 102.8
134 19.6 15.9 23.9

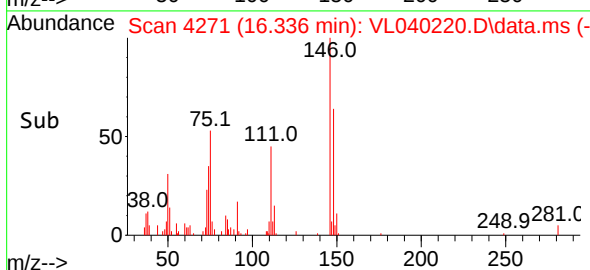
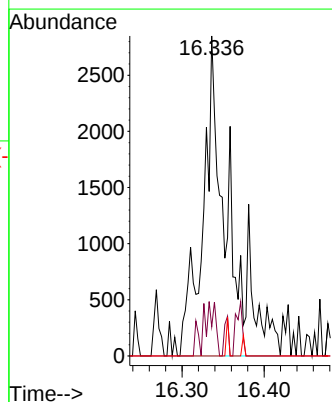
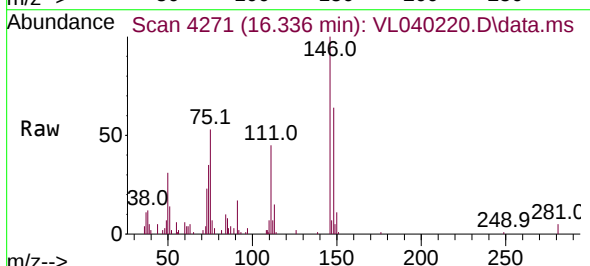
Manual Integrations
APPROVED

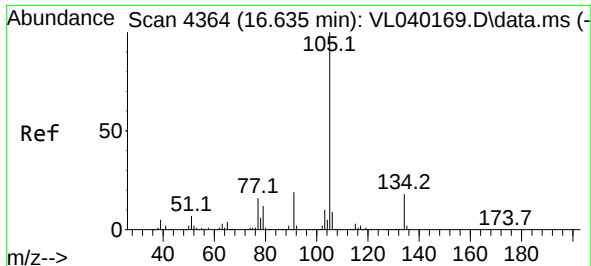
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#66
Benzyl Chloride
Concen: 0.384 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion: 91 Resp: 6070
Ion Ratio Lower Upper
91 100
126 0.0 13.1 19.7#
128 0.0 4.1 6.1#





#67

sec-Butylbenzene

Concen: 0.370 ppbv

RT: 16.645 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:105 Resp: 12594

Ion Ratio Lower Upper

105 100

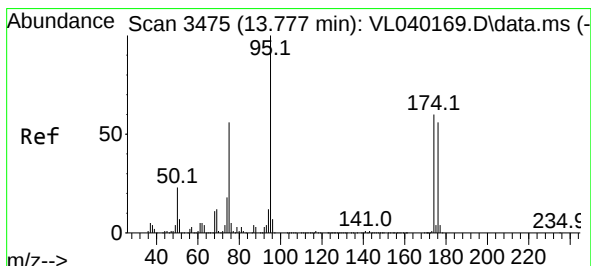
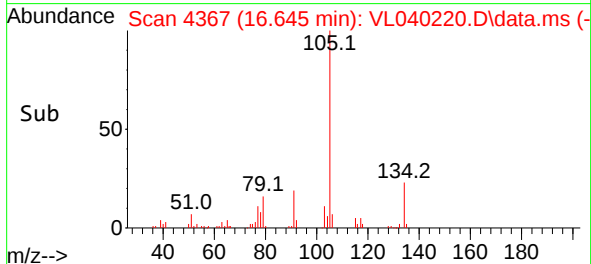
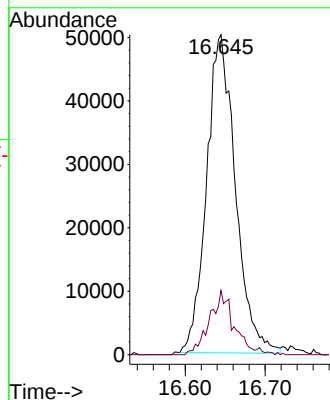
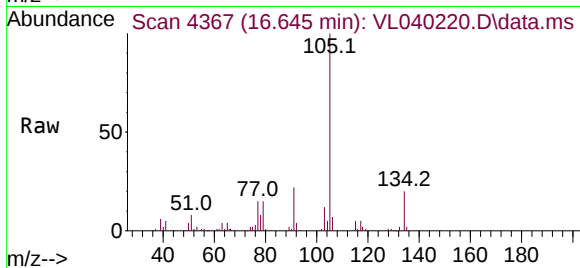
134 17.2 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.414 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. 0.000 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

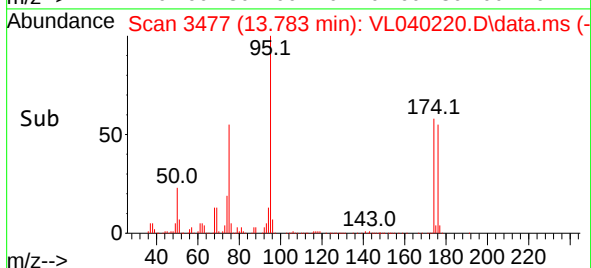
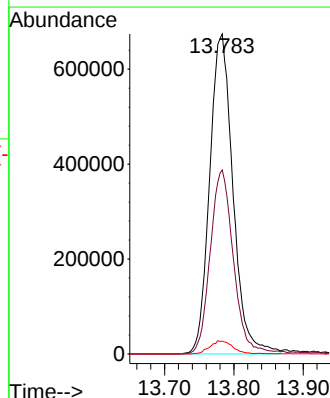
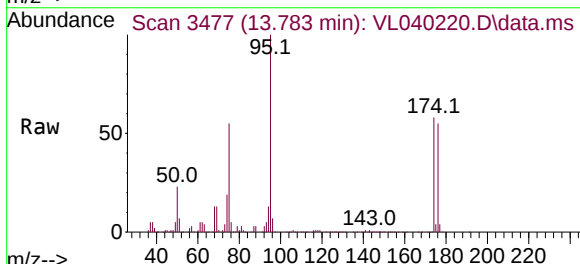
Tgt Ion: 95 Resp: 1573219

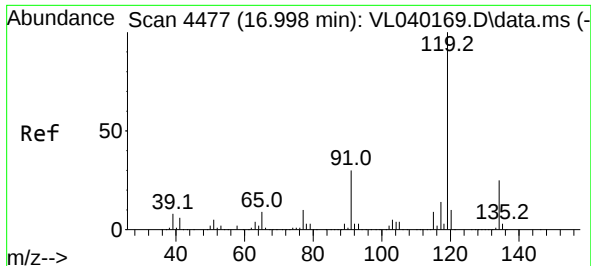
Ion Ratio Lower Upper

95 100

174 58.3 48.2 72.2

175 4.2 3.4 5.2





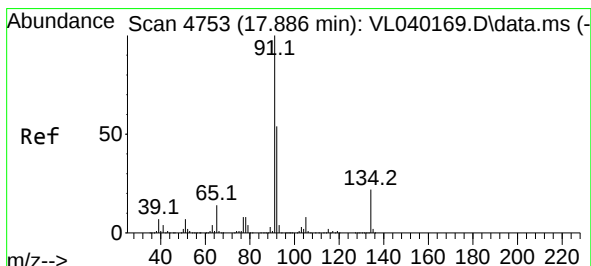
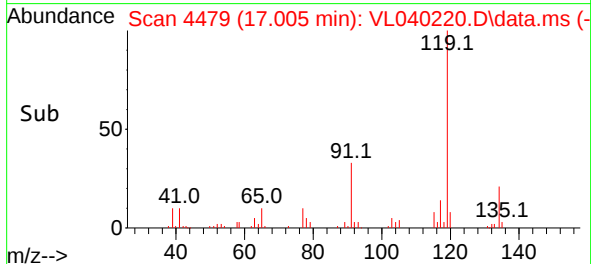
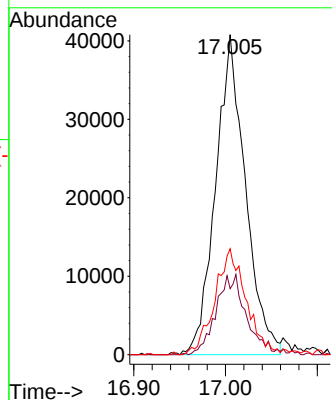
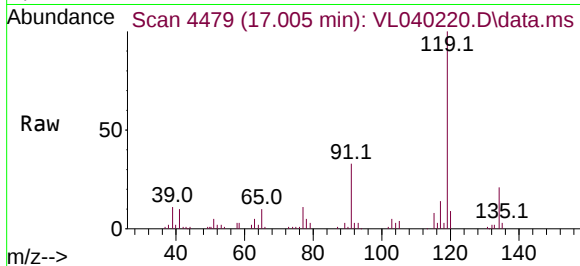
#69
p-Isopropyltoluene
Concen: 0.341 ppbv
RT: 17.005 min Scan# 4479
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion: 119 Resp: 92085
Ion Ratio Lower Upper
119 100
134 25.9 20.2 30.2
91 35.5 24.7 37.1

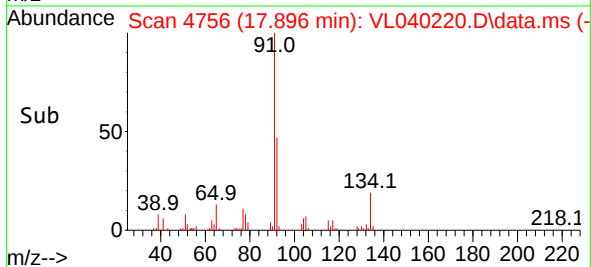
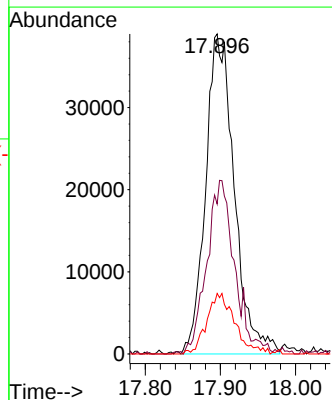
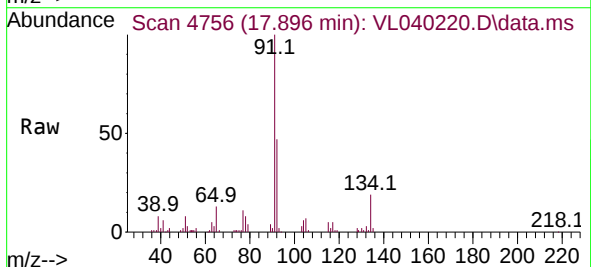
Manual Integrations
APPROVED

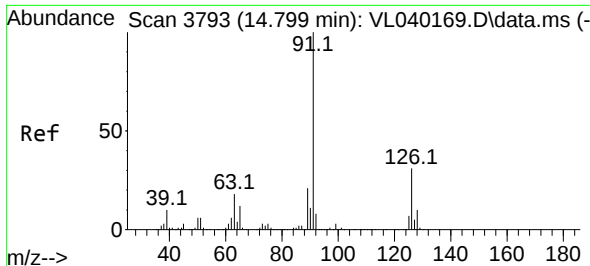
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#70
n-Butylbenzene
Concen: 0.353 ppbv m
RT: 17.896 min Scan# 4756
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

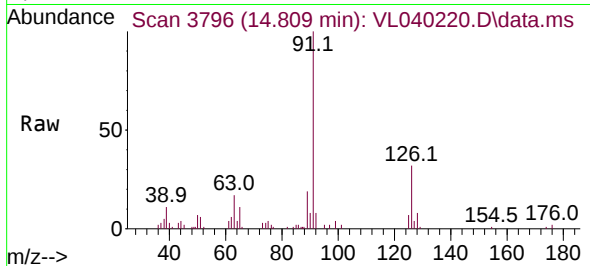
Tgt Ion: 91 Resp: 103306
Ion Ratio Lower Upper
91 100
92 53.6 43.0 64.6
134 18.8 16.9 25.3





#71
2-Chlorotoluene
Concen: 0.359 ppbv m
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

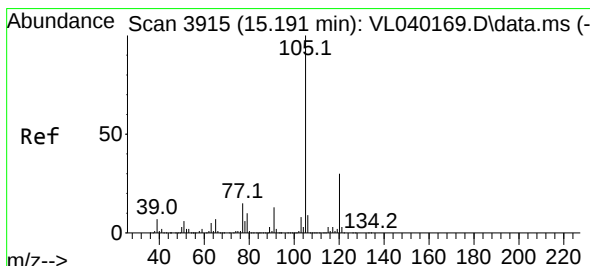
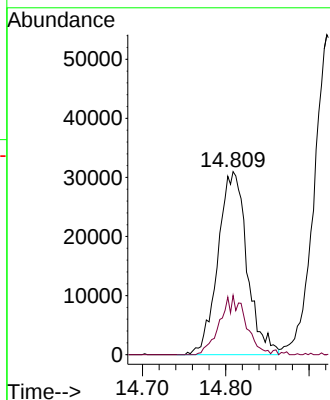
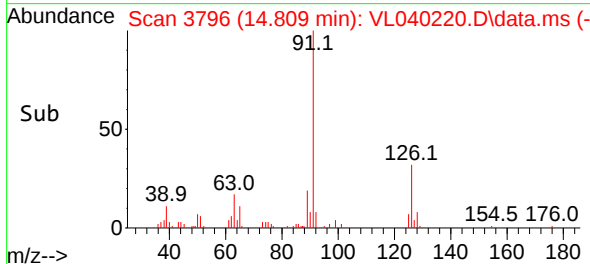
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



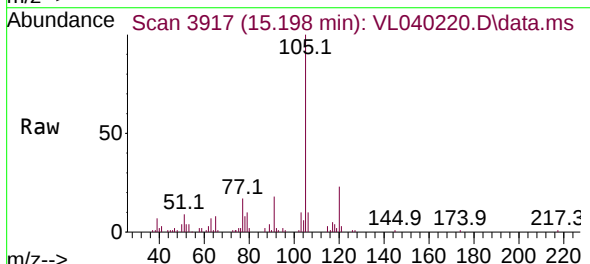
Tgt Ion: 91 Resp: 7499
Ion Ratio Lower Upper
91 100
126 29.1 12.0 48.2

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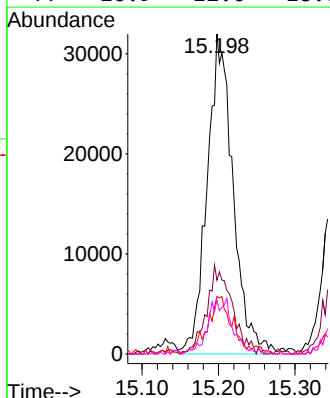
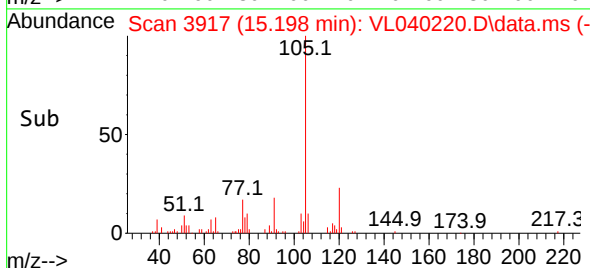
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023

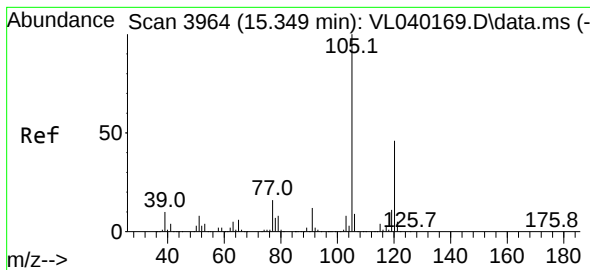


#72
4-Ethyltoluene
Concen: 0.358 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12



Tgt Ion:105 Resp: 75189
Ion Ratio Lower Upper
105 100
120 27.0 23.2 34.8
91 18.0 11.3 16.9#
77 16.9 12.0 18.0





#73

1,3,5-Trimethylbenzene

Concen: 0.343 ppbv

RT: 15.355 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023

Tgt Ion:105 Resp: 67019

Ion Ratio Lower Upper

105 100

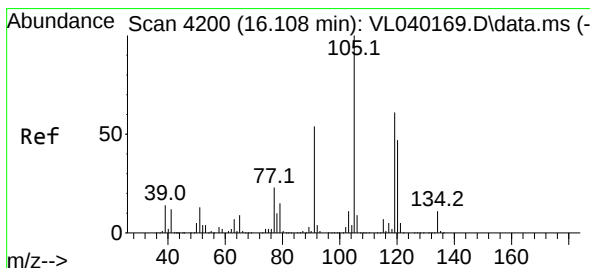
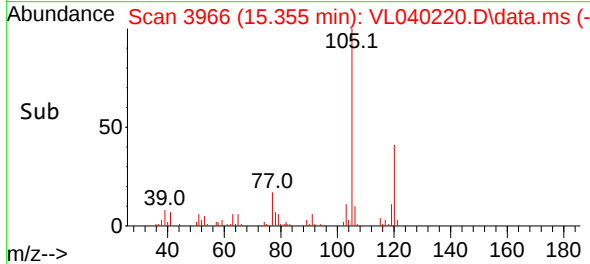
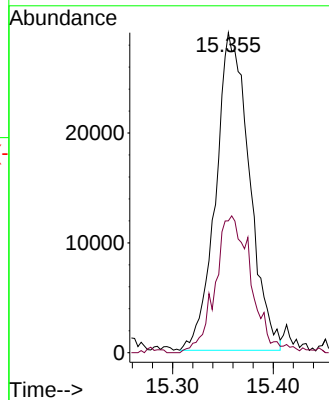
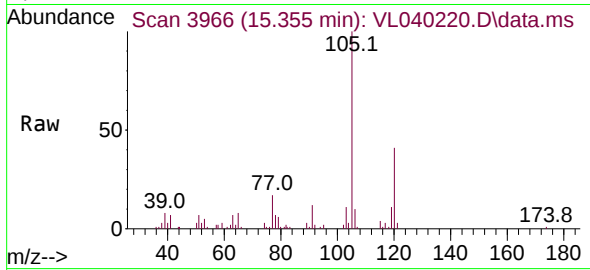
120 41.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2023

Supervised By :Mahesh Dadoda 02/24/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.366 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040220.D

Acq: 23 Feb 2023 13:12

Tgt Ion:105 Resp: 78708

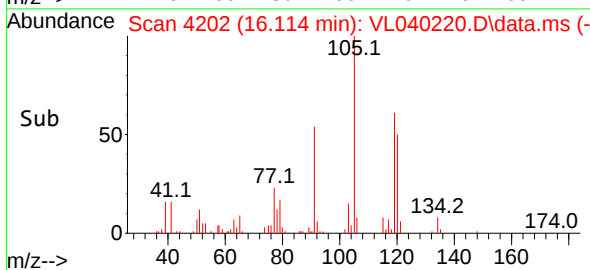
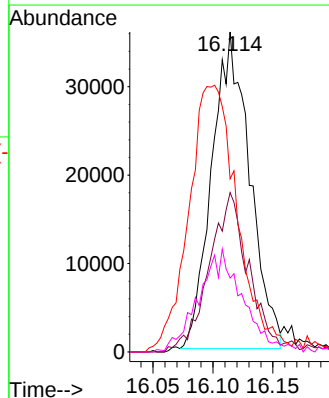
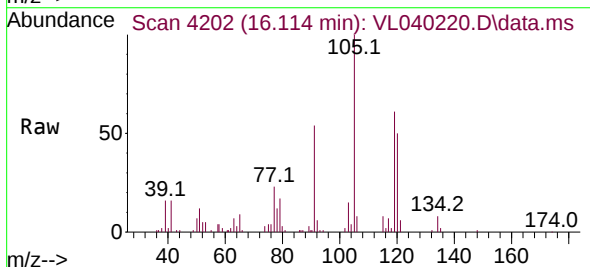
Ion Ratio Lower Upper

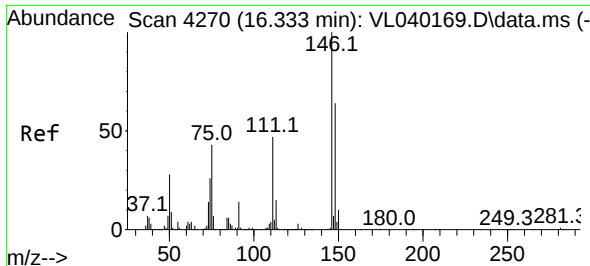
105 100

120 48.2 37.9 56.9

91 49.4 43.7 65.5

77 21.0 18.3 27.5





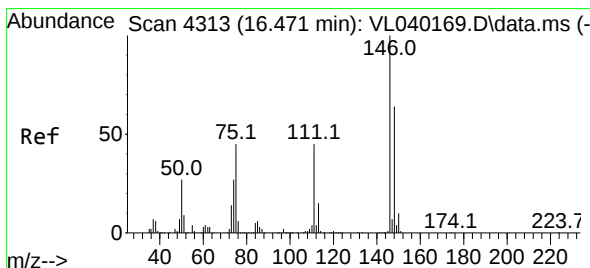
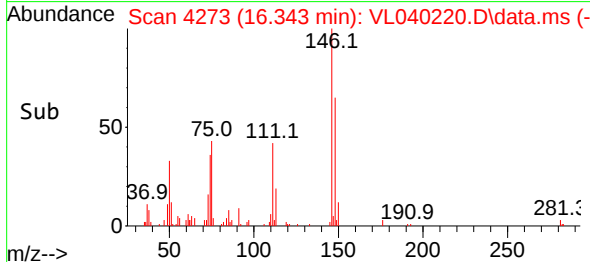
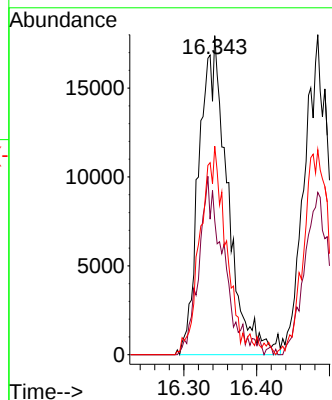
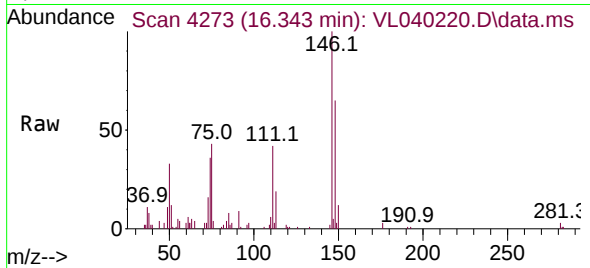
#75
1,3-Dichlorobenzene
Concen: 0.416 ppbv m
RT: 16.343 min Scan# 4273
Delta R.T. 0.000 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion:146 Resp: 4887
Ion Ratio Lower Upper
146 100
111 49.4 23.9 71.8
148 0.0 32.1 96.5

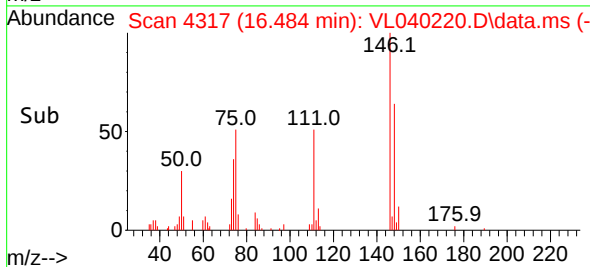
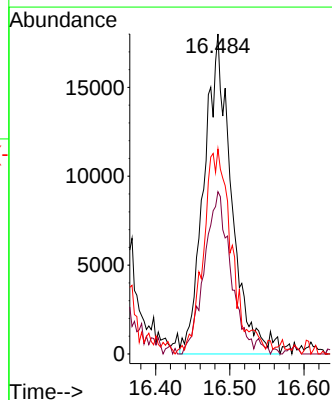
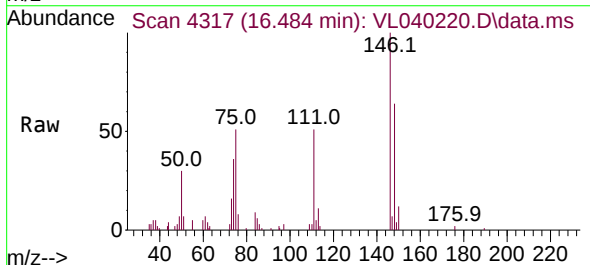
Manual Integrations
APPROVED

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



#76
1,4-Dichlorobenzene
Concen: 0.402 ppbv m
RT: 16.484 min Scan# 4317
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

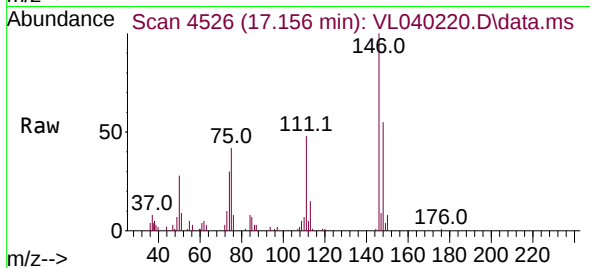
Tgt Ion:146 Resp: 46355
Ion Ratio Lower Upper
146 100
111 0.0 23.5 70.5#
148 0.0 32.5 97.4#





#77
1,2-Dichlorobenzene
Concen: 0.429 ppbv m
RT: 17.156 min Scan# 4522
Delta R.T. 0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

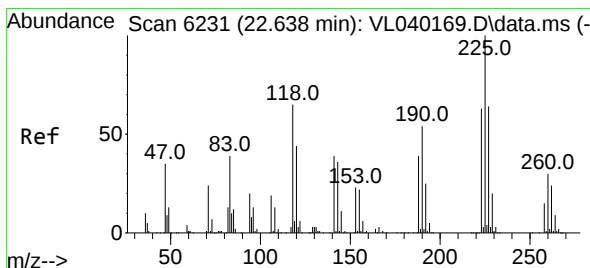
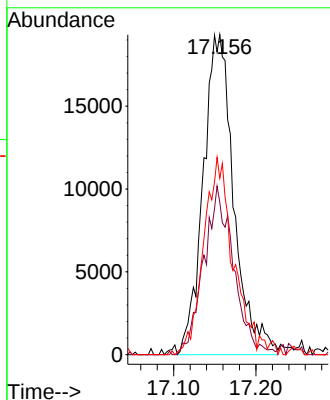
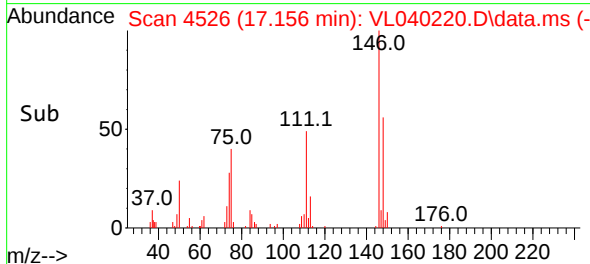
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT1-2023



Tgt Ion:146 Resp: 5008
Ion Ratio Lower Upper
146 100
111 51.0 25.3 75.8
148 60.7 32.0 96.2

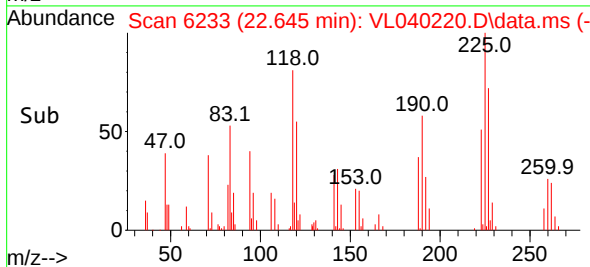
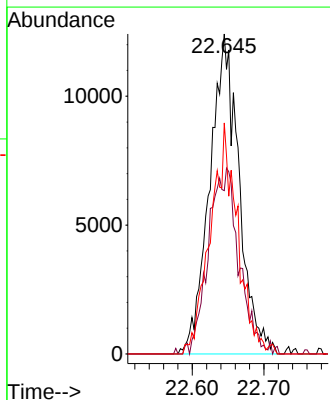
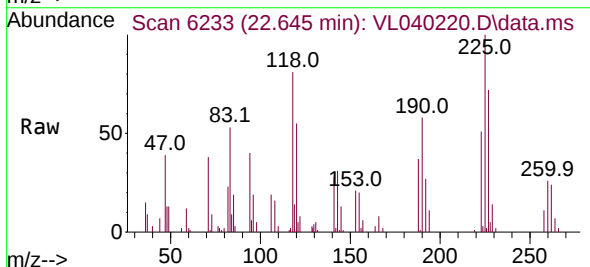
Manual Integrations
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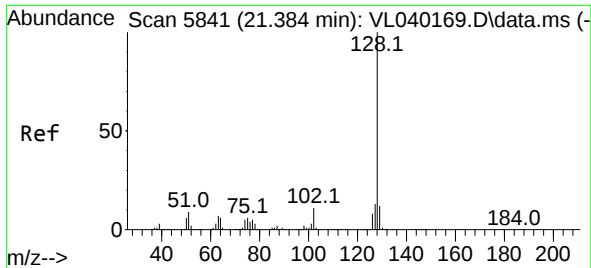
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.440 ppbv m
RT: 22.645 min Scan# 6233
Delta R.T. -0.003 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:225 Resp: 35346
Ion Ratio Lower Upper
225 100
223 61.0 51.0 76.6
227 66.2 51.2 76.8





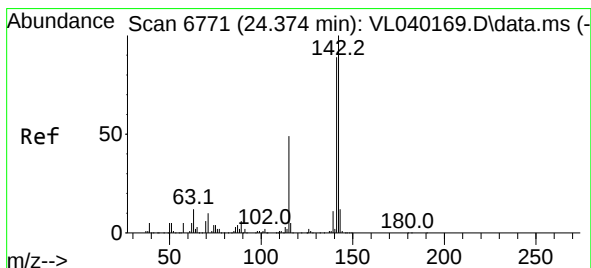
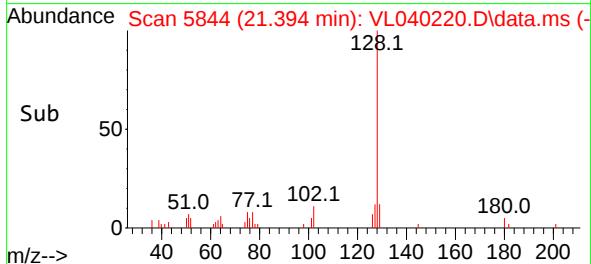
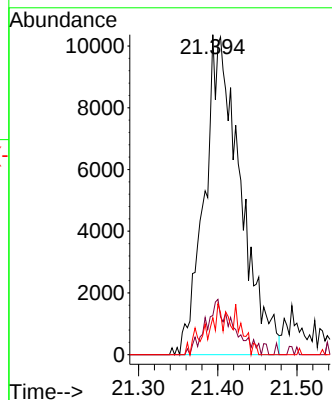
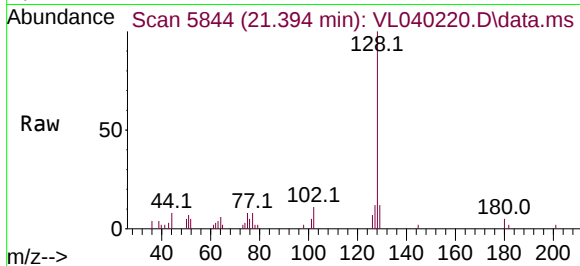
#79
Naphthalene
Concen: 0.270 ppbv m
RT: 21.394 min Scan# 5841
Delta R.T. -0.006 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

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

Tgt Ion:128 Resp: 3255
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.4
129 11.5 9.4 14.0

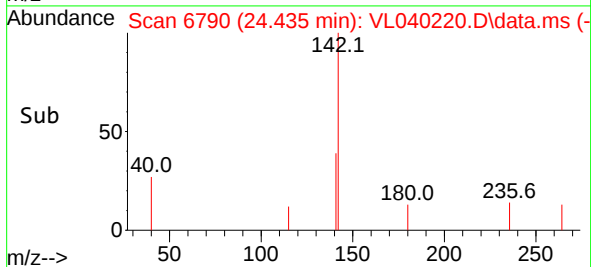
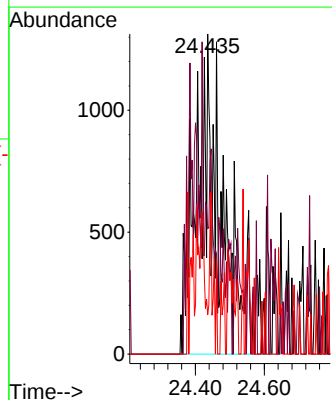
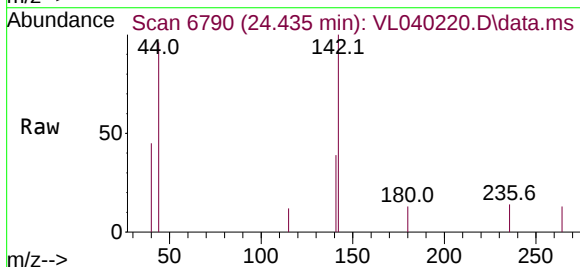
Manual Integrations
APPROVED

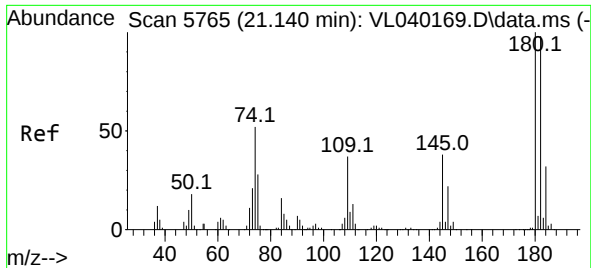
Reviewed By :Semsettin Yesilyurt 02/24/2023
Supervised By :Mahesh Dadoda 02/24/2023



#80
Naphthalene,2-methyl-
Concen: 0.209 ppbv m
RT: 24.435 min Scan# 6790
Delta R.T. 0.052 min
Lab File: VL040220.D
Acq: 23 Feb 2023 13:12

Tgt Ion:142 Resp: 7176
Ion Ratio Lower Upper
142 100
141 58.1 67.3 100.9#
115 25.3 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.320 ppbv m

RT: 21.166 min Scan# 5

Delta R.T. 0.016 min

Lab File: VL040220.D

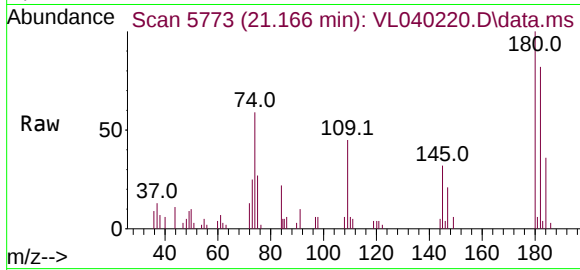
Acq: 23 Feb 2023 13:12

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT1-2023



Tgt Ion:180 Resp: 24170

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

Supervised By :Mahesh Dadoda 02/24/2023

