

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070522\
 Data File : VL039437.D
 Acq On : 6 Jul 2022 3:07
 Operator : SY/AP
 Sample : N3214-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022

Quant Time: Jul 06 06:30:56 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

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

Internal Standards						
1) Bromochloromethane	5.681	49	1102961	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.189	114	3155766	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2700441	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2031504	10.141	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.063	85	29018	0.182	ppbv	89
3) Chlorodifluoromethane	3.005	51	19044	0.136	ppbv	97
4) Chloromethane	3.157	50	9464	0.124	ppbv	96
5) Vinyl Chloride	3.276	62	9266m	0.123	ppbv	
6) Bromomethane	3.488	94	4875m	0.153	ppbv	
7) Chloroethane	3.581	64	4136m	0.154	ppbv	
8) Dichlorotetrafluoroethane	3.202	85	22707	0.131	ppbv	96
9) Propene	3.041	41	14769m	0.234	ppbv	
10) Heptane	8.140	43	12673m	0.086	ppbv	
11) Trichlorofluoromethane	3.967	101	22873m	0.129	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.504	101	18151m	0.137	ppbv	
13) Ethanol	3.623	45	489	0.133	ppbv	# 23
14) Bromoethene	3.755	108	6467m	0.116	ppbv	
15) Acetone	3.883	43	33539m	0.257	ppbv	
16) 1,3-Butadiene	3.337	39	7724m	0.114	ppbv	
17) tert-Butyl alcohol	4.327	59	13599m	0.123	ppbv	
18) 1,1-Dichloroethene	4.308	96	8042m	0.134	ppbv	
19) Isopropyl Alcohol	4.009	45	7002m	0.101	ppbv	
20) Methylene Chloride	4.356	84	15684m	0.302	ppbv	
21) Allyl Chloride	4.427	41	9926m	0.110	ppbv	
22) trans-1,2-Dichloroethene	4.899	96	7300m	0.126	ppbv	
23) Vinyl Acetate	5.102	43	9913m	0.114	ppbv	
24) 1,1-Dichloroethane	5.021	63	15390	0.125	ppbv	# 89
25) Ethyl Acetate	5.703	43	29248m	0.109	ppbv	
26) Hexane	5.703	57	14112m	0.131	ppbv	
27) Carbon Disulfide	4.568	76	12629m	0.097	ppbv	
28) Methyl tert-Butyl Ether	5.073	73	13192m	0.114	ppbv	
29) Chloroform	5.761	83	22964	0.122	ppbv	# 71
30) Cyclohexane	7.169	84	18270m	0.186	ppbv	
31) cis-1,2-Dichloroethene	5.565	61	11614m	0.101	ppbv	
32) 1,1,1-Trichloroethane	6.526	97	20861m	0.113	ppbv	
34) 2-Butanone	5.288	43	18344m	0.115	ppbv	
35) Carbon Tetrachloride	7.034	117	19147m	0.098	ppbv	
36) Benzene	6.902	78	24183m	0.099	ppbv	
37) 1,2-Dichloroethane	6.320	62	13059m	0.091	ppbv	
38) Trichloroethene	7.848	130	13558m	0.103	ppbv	
39) 1,2-Dichloropropane	7.623	63	11713m	0.128	ppbv	
40) 1,4-Dioxane	7.893	88	4514m	0.124	ppbv	
41) Tetrahydrofuran	6.092	42	7805m	0.085	ppbv	
42) Bromodichloromethane	7.806	83	17001m	0.087	ppbv	
43) Methyl Methacrylate	8.050	69	7548m	0.081	ppbv	
44) 2,2,4-Trimethylpentane	7.883	57	37576m	0.091	ppbv	
45) t-1,3-Dichloropropene	9.291	75	4779m	0.058	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

Quant Time: Jul 06 06:30:56 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	7908m	0.069	ppbv	
47) 1,1,2-Trichloroethane	9.491	97	11740m	0.115	ppbv	
48) Dibromochloromethane	10.317	129	12146m	0.075	ppbv	
49) Bromoform	13.037	173	9186m	0.070	ppbv	
50) 4-Methyl-2-Pentanone	8.790	43	19101m	0.080	ppbv	
51) 2-Hexanone	10.188	43	12749m	0.070	ppbv	
52) Tetrachloroethene	11.233	164	10433m	0.106	ppbv	
53) Toluene	9.819	91	22329m	0.079	ppbv	
54) 1,2-Dibromoethane	10.616	107	11670m	0.092	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.134	131	14636m	0.123	ppbv	
57) Chlorobenzene	12.159	112	26811m	0.128	ppbv	
58) Ethyl Benzene	12.722	91	29601m	0.085	ppbv	
59) m/p-Xylene	12.999	91	50040m	0.163	ppbv	
60) o-Xylene	13.709	91	22345m	0.077	ppbv	
61) Styrene	13.532	104	11215m	0.071	ppbv	
62) Isopropylbenzene	14.677	105	43186m	0.097	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.687	83	16189m	0.106	ppbv	
64) n-propylbenzene	15.568	120	7787m	0.069	ppbv	
65) tert-Butylbenzene	16.754	119	32959m	0.080	ppbv	
66) Benzyl Chloride	17.008	91	4098m	0.105	ppbv	
67) sec-Butylbenzene	17.307	105	50023m	0.091	ppbv	
69) p-Isopropyltoluene	17.664	119	33270m	0.071	ppbv	
70) n-Butylbenzene	18.568	91	32423m	0.071	ppbv	
71) 2-Chlorotoluene	15.468	91	30539m	0.096	ppbv	
72) 4-Ethyltoluene	15.847	105	24186m	0.071	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	23992m	0.076	ppbv	
74) 1,2,4-Trimethylbenzene	16.773	105	29348m	0.084	ppbv	
75) 1,3-Dichlorobenzene	17.011	146	25916m	0.125	ppbv	
76) 1,4-Dichlorobenzene	17.146	146	22165m	0.108	ppbv	
77) 1,2-Dichlorobenzene	17.841	146	23141m	0.113	ppbv	
78) Hexachloro-1,3-Butadiene	23.384	225	20010m	0.121	ppbv	
79) Naphthalene	22.227	128	13378m	0.056	ppbv	
81) 1,2,4-Trichlorobenzene	21.940	180	12184m	0.078	ppbv	

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

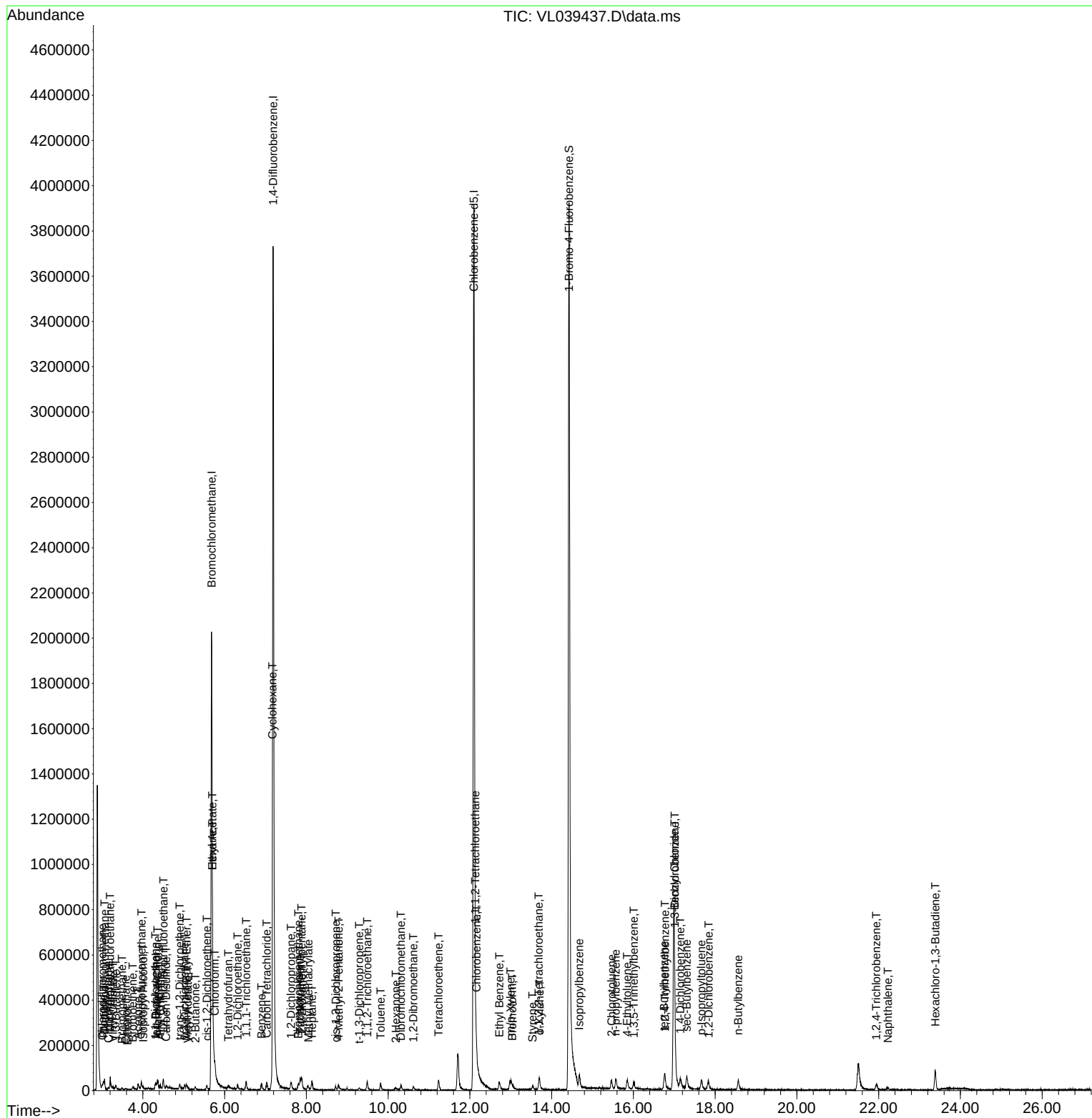
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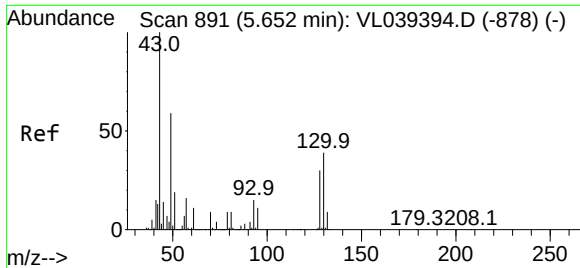
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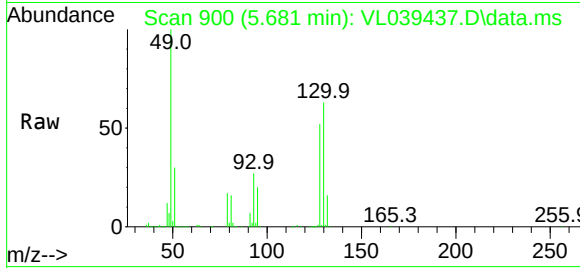
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.681 min Scan# 90
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

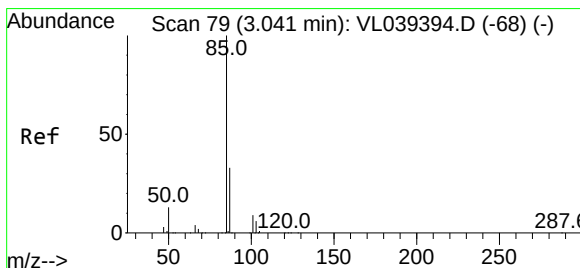
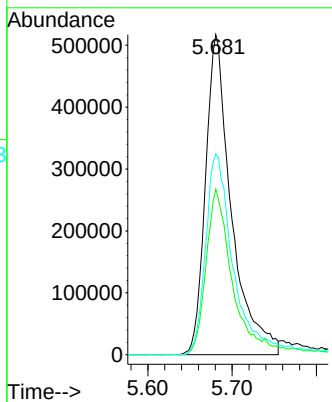
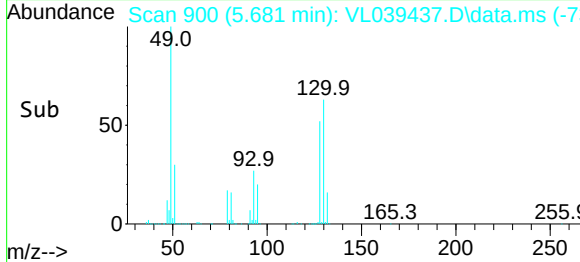
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



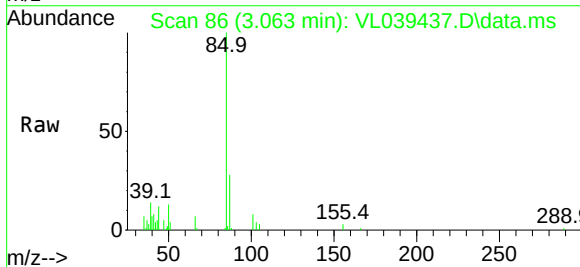
Tgt Ion: 49 Resp: 110296
Ion Ratio Lower Upper
49 100
128 55.5 26.7 80.0
130 71.2 34.3 102.8

Manual Integrations
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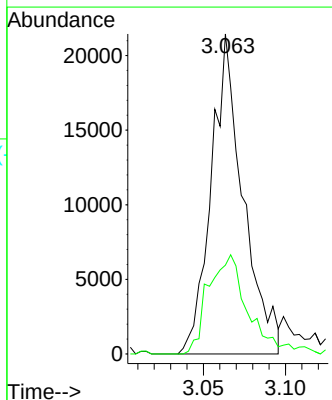
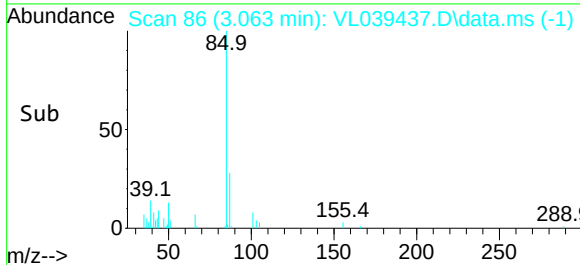
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

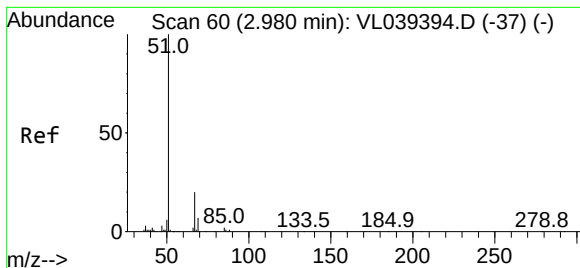


#2
Dichlorodifluoromethane
Concen: 0.182 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.022 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



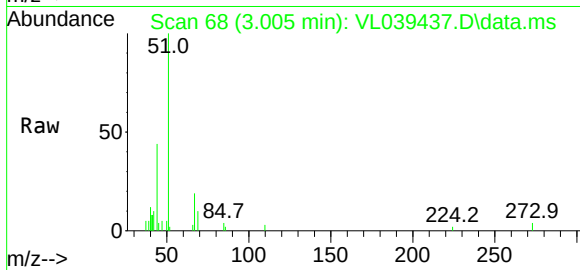
Tgt Ion: 85 Resp: 29018
Ion Ratio Lower Upper
85 100
87 27.2 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.136 ppbv
RT: 3.005 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

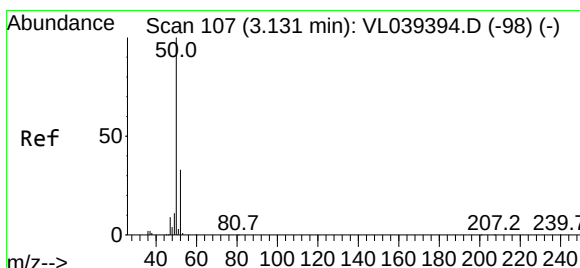
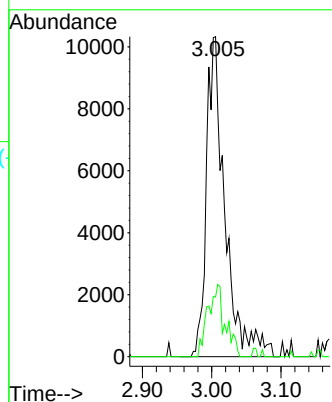
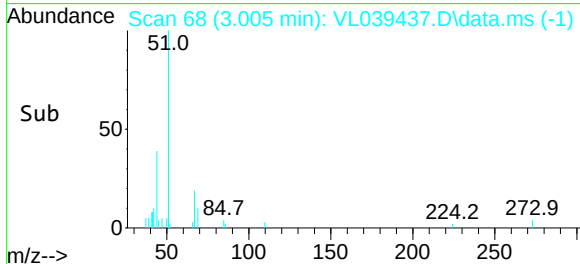
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Tgt Ion: 51 Resp: 1904
Ion Ratio Lower Upper
51 100
67 21.0 15.7 23.5

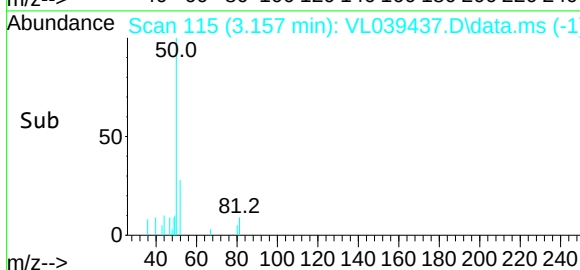
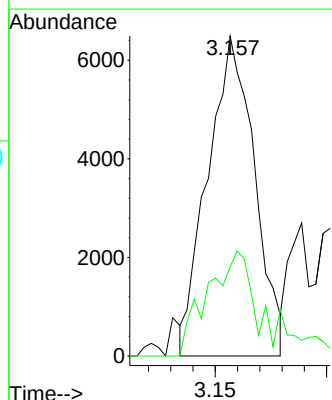
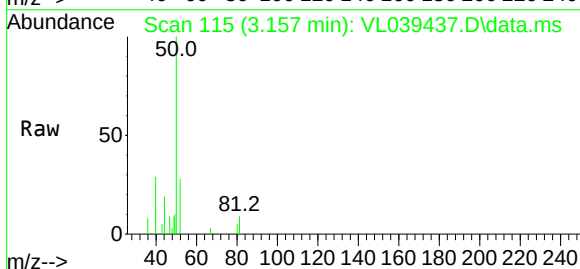
Manual Integrations
APPROVED

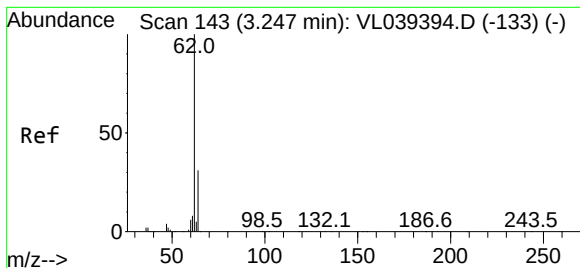
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#4
Chloromethane
Concen: 0.124 ppbv
RT: 3.157 min Scan# 115
Delta R.T. 0.026 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

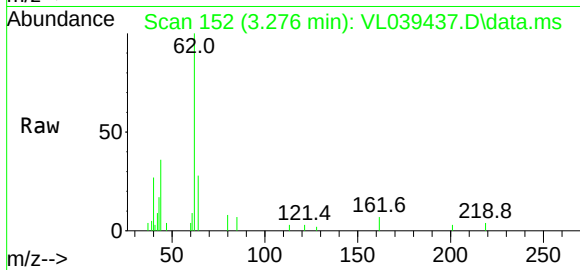
Tgt Ion: 50 Resp: 9464
Ion Ratio Lower Upper
50 100
52 30.7 26.5 39.7





#5
 Vinyl Chloride
 Concen: 0.123 ppbv m
 RT: 3.276 min Scan# 11
 Delta R.T. 0.029 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

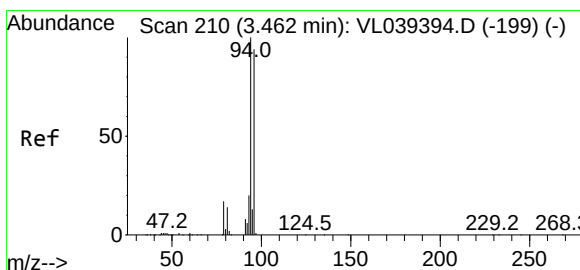
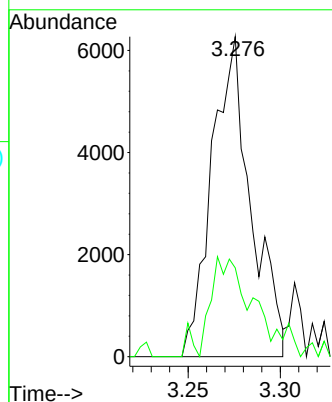
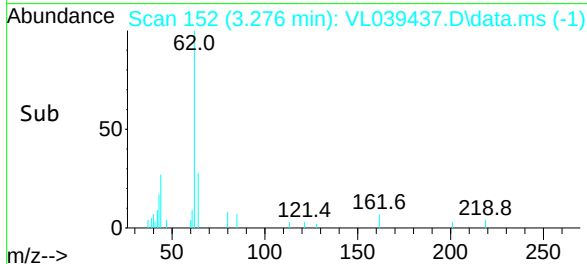
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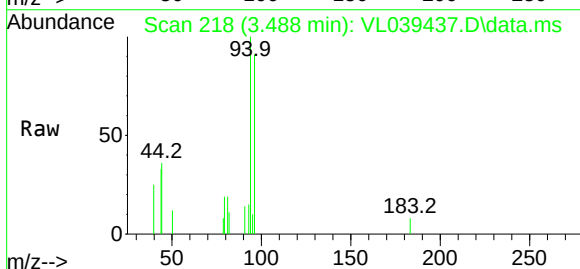
Tgt Ion: 62 Resp: 9260
 Ion Ratio Lower Upper
 62 100
 64 27.7 24.6 36.8

Manual Integrations
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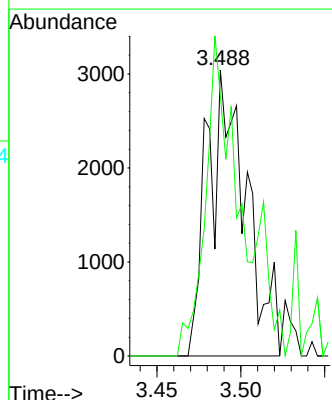
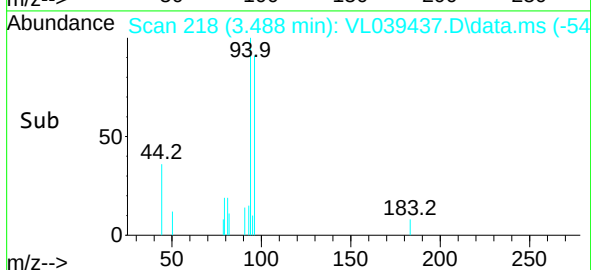
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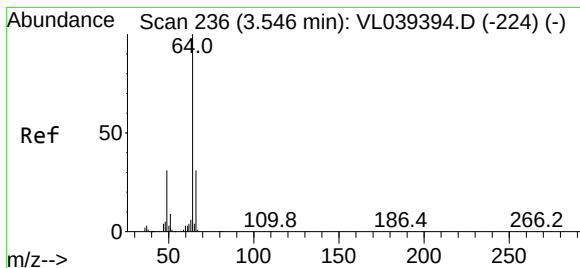


#6
 Bromomethane
 Concen: 0.153 ppbv m
 RT: 3.488 min Scan# 218
 Delta R.T. 0.026 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07



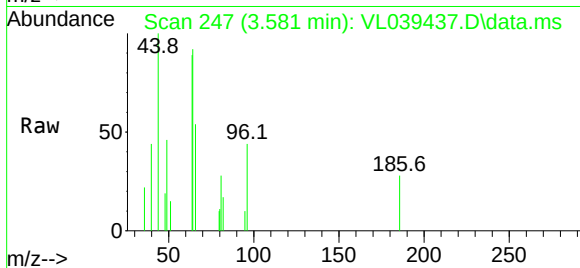
Tgt Ion: 94 Resp: 4875
 Ion Ratio Lower Upper
 94 100
 96 91.1 75.6 113.4





#7
Chloroethane
Concen: 0.154 ppbv m
RT: 3.581 min Scan# 247
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

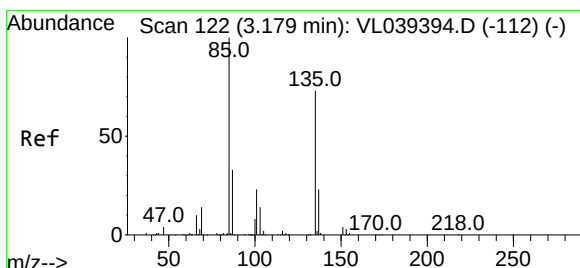
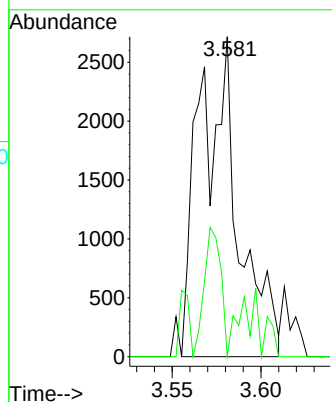
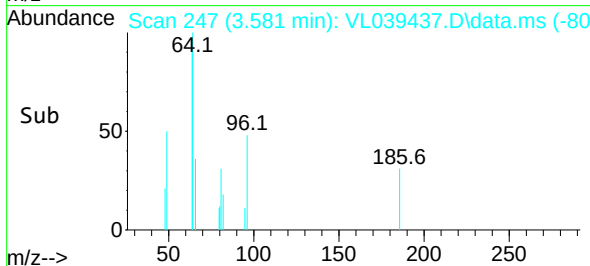
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Tgt Ion: 64 Resp: 4130
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1

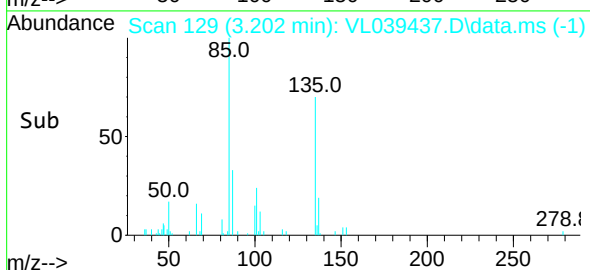
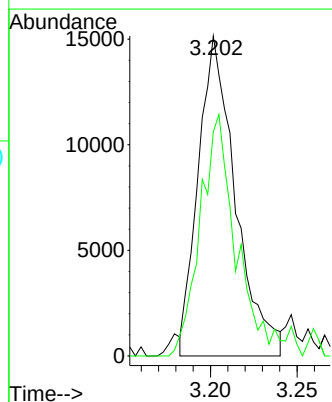
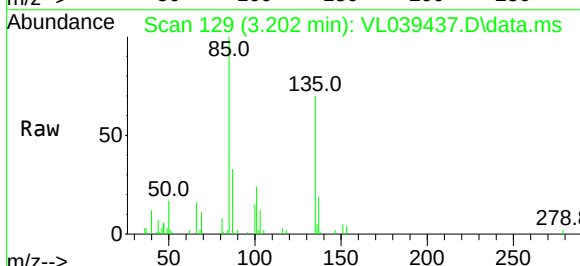
Manual Integrations
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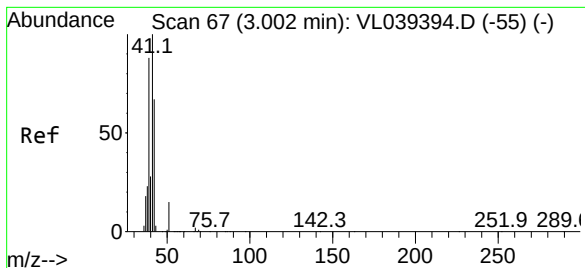
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#8
Dichlorotetrafluoroethane
Concen: 0.131 ppbv
RT: 3.202 min Scan# 129
Delta R.T. 0.023 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

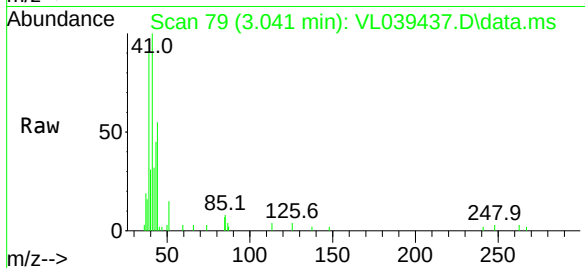
Tgt Ion: 85 Resp: 22707
Ion Ratio Lower Upper
85 100
135 76.9 59.0 88.4





#9
 Propene
 Concen: 0.234 ppbv m
 RT: 3.041 min Scan# 79
 Delta R.T. 0.039 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

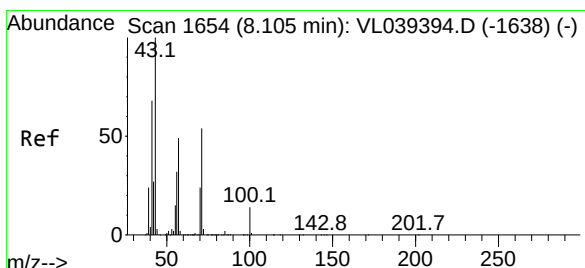
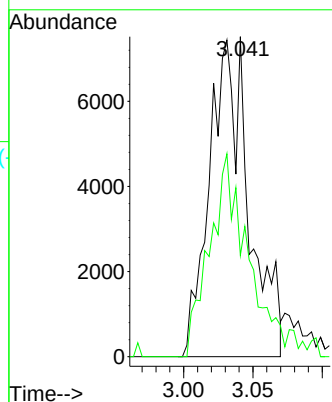
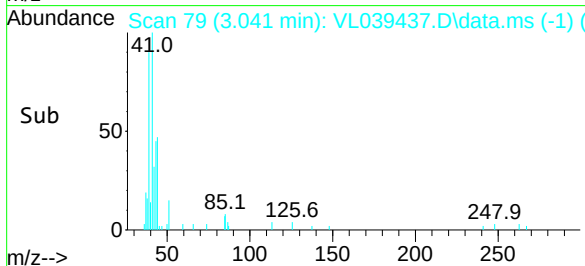
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Tgt Ion: 41 Resp: 14769
 Ion Ratio Lower Upper
 41 100
 42 64.7 55.2 82.8

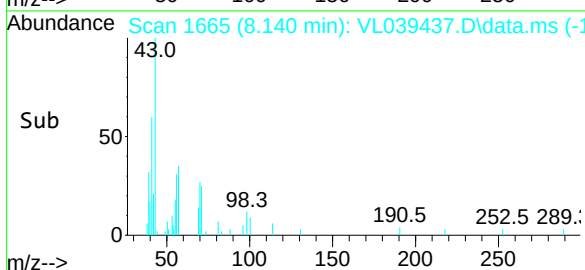
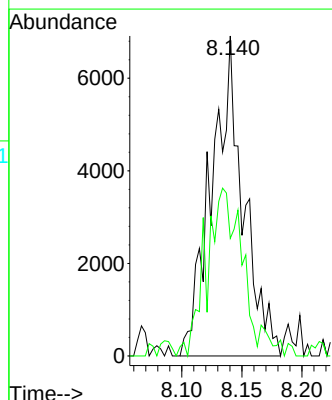
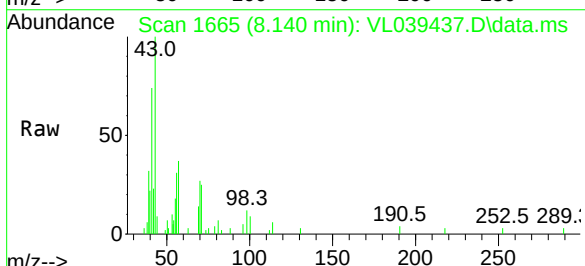
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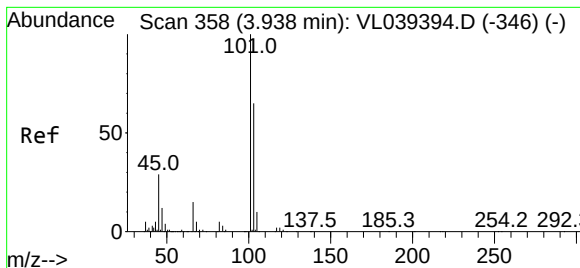
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#10
 Heptane
 Concen: 0.086 ppbv m
 RT: 8.140 min Scan# 1665
 Delta R.T. 0.035 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

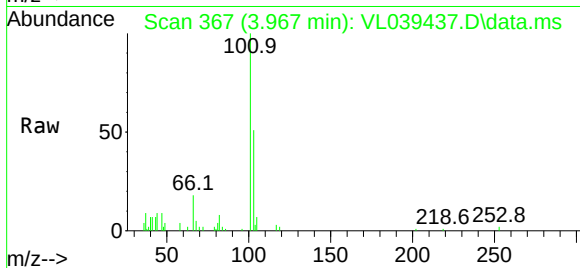
Tgt Ion: 43 Resp: 12673
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.5 60.7#





#11
Trichlorofluoromethane
Concen: 0.129 ppbv m
RT: 3.967 min Scan# 30
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

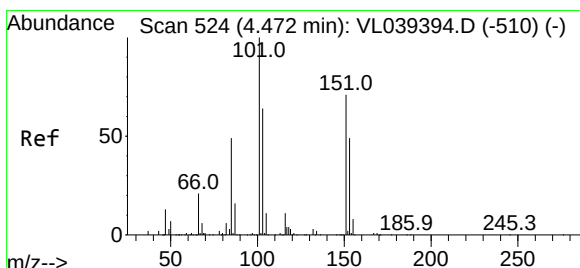
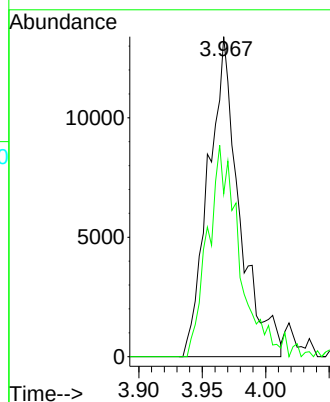
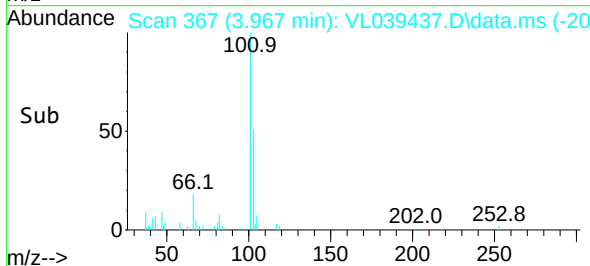
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



Tgt Ion:101 Resp: 2287
Ion Ratio Lower Upper
101 100
103 50.9 51.8 77.8

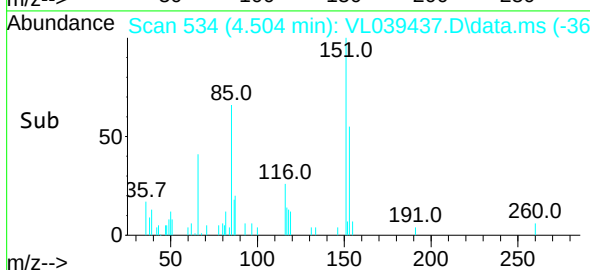
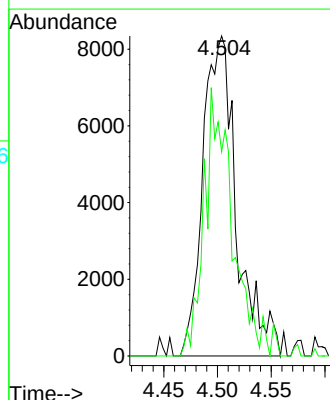
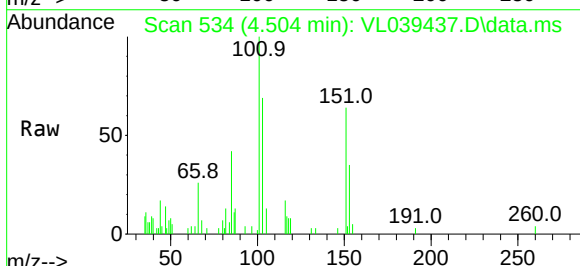
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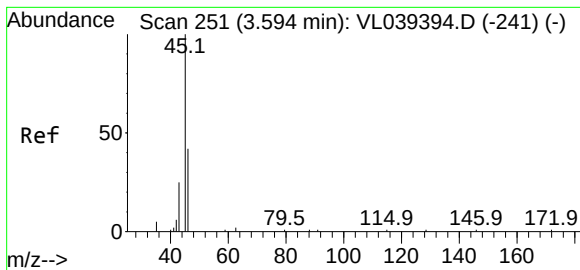
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.137 ppbv m
RT: 4.504 min Scan# 534
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

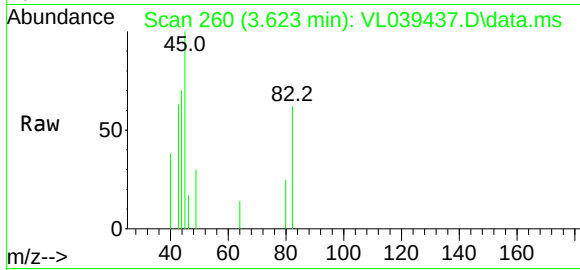
Tgt Ion:101 Resp: 18151
Ion Ratio Lower Upper
101 100
151 71.8 58.9 88.3





#13
Ethanol
Concen: 0.133 ppbv
RT: 3.623 min Scan# 201
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

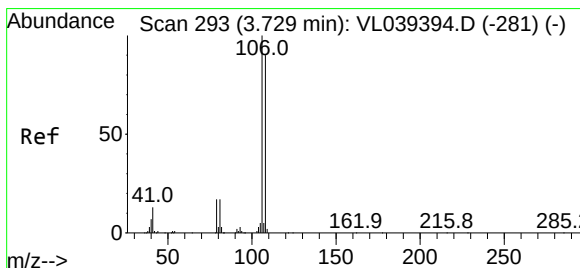
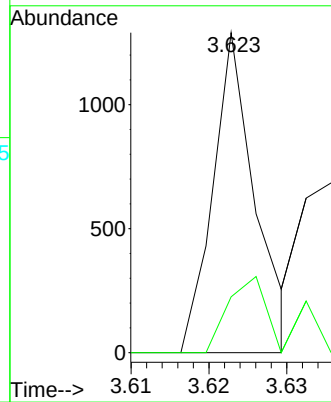
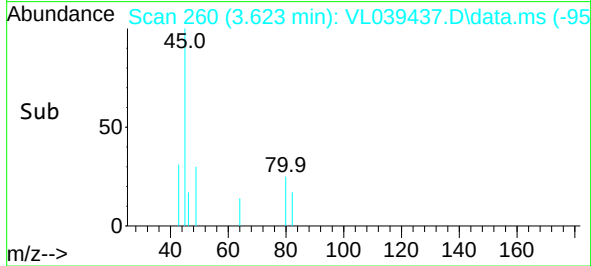
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



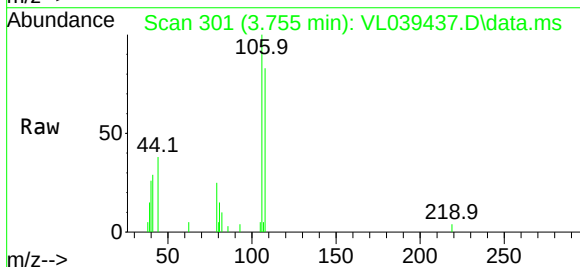
Tgt Ion: 45 Resp: 489
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2

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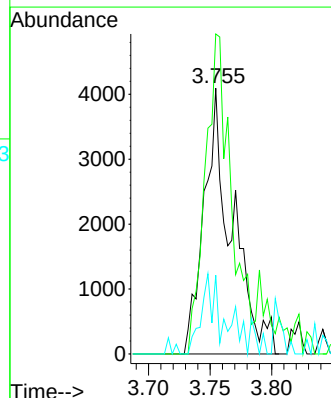
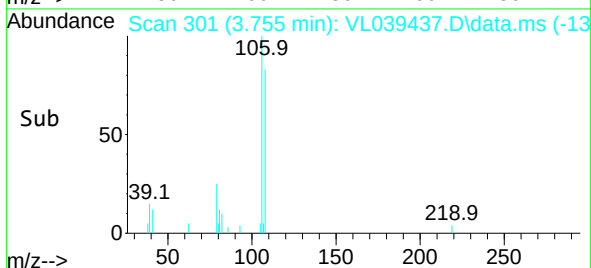
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

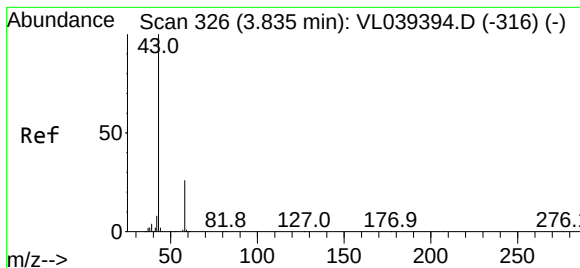


#14
Bromoethene
Concen: 0.116 ppbv m
RT: 3.755 min Scan# 301
Delta R.T. 0.026 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



Tgt Ion:108 Resp: 6467
Ion Ratio Lower Upper
108 100
106 131.8 87.1 130.7#
79 27.1 14.6 22.0#





#15

Acetone

Concen: 0.257 ppbv m

RT: 3.883 min Scan# 341

Delta R.T. 0.048 min

Lab File: VL039437.D

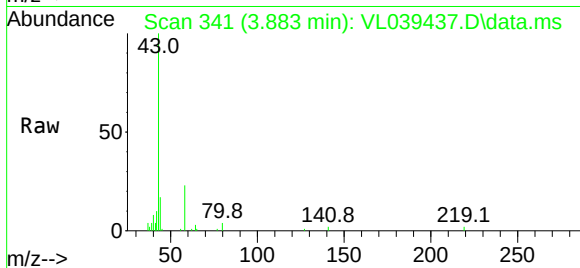
Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022



Tgt Ion: 43 Resp: 3353

Ion Ratio Lower Upper

43 100

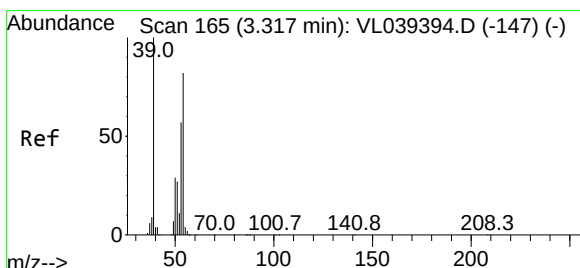
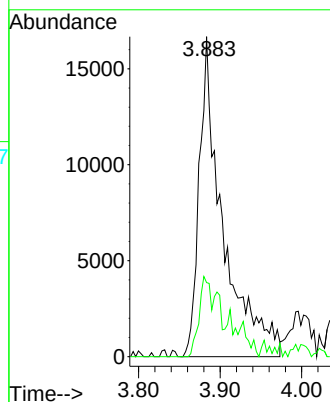
58 29.8 21.0 31.6

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Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#16

1,3-Butadiene

Concen: 0.114 ppbv m

RT: 3.337 min Scan# 171

Delta R.T. 0.019 min

Lab File: VL039437.D

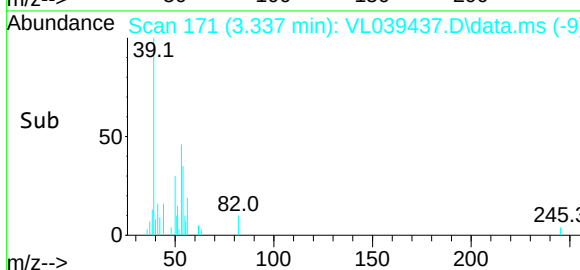
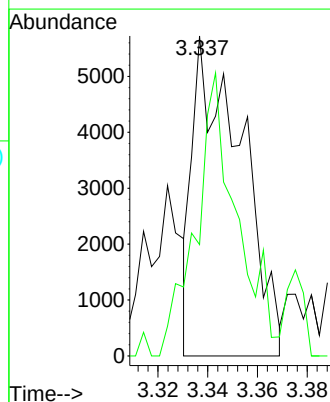
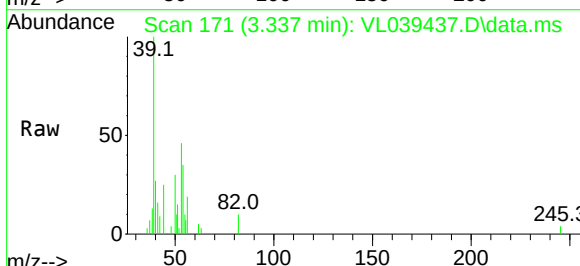
Acq: 6 Jul 2022 3:07

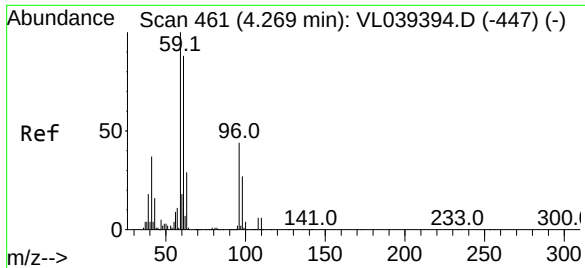
Tgt Ion: 39 Resp: 7724

Ion Ratio Lower Upper

39 100

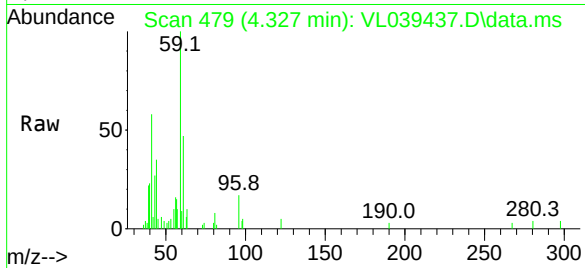
54 0.0 63.7 95.5#





#17
tert-Butyl alcohol
Concen: 0.123 ppbv m
RT: 4.327 min Scan# 41
Delta R.T. 0.058 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

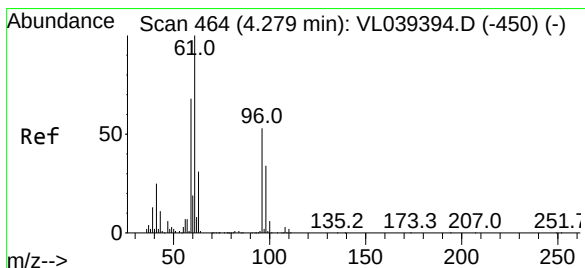
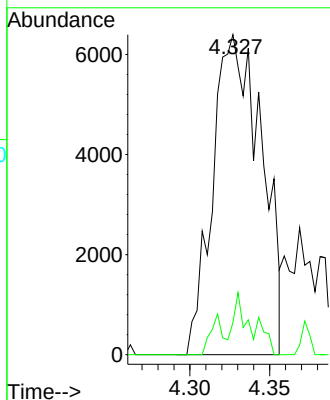
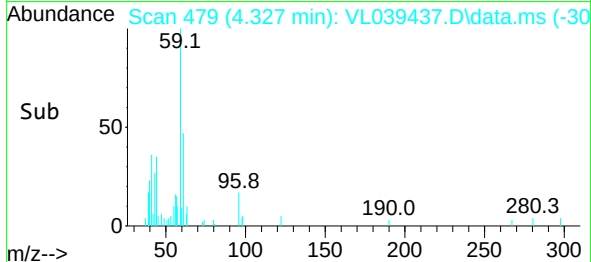
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



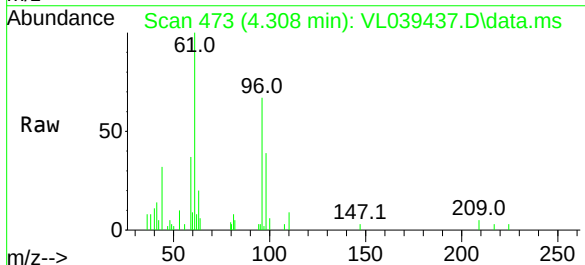
Tgt Ion: 59 Resp: 1359
Ion Ratio Lower Upper
59 100
57 0.6 8.7 13.1

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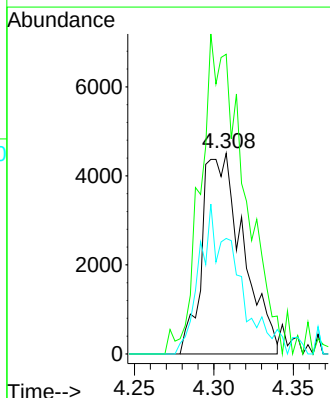
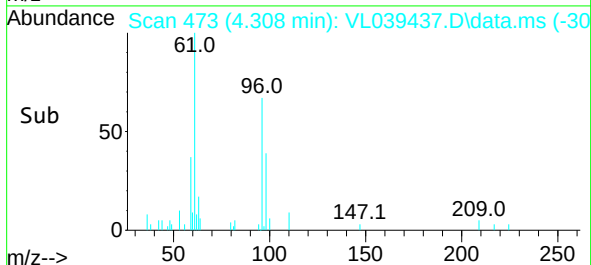
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

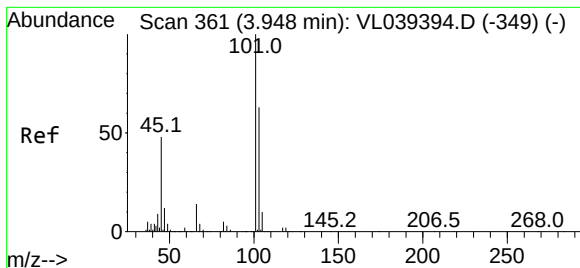


#18
1,1-Dichloroethene
Concen: 0.134 ppbv m
RT: 4.308 min Scan# 473
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



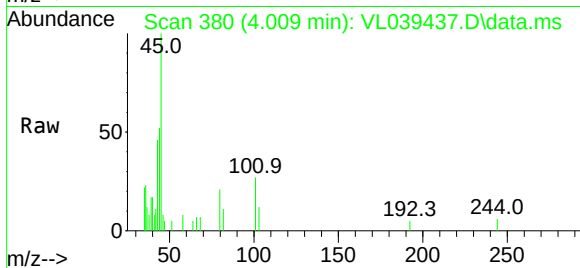
Tgt Ion: 96 Resp: 8042
Ion Ratio Lower Upper
96 100
61 149.3 152.2 228.4#
98 57.6 51.8 77.6





#19
Isopropyl Alcohol
Concen: 0.101 ppbv m
RT: 4.009 min Scan# 380
Delta R.T. 0.061 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

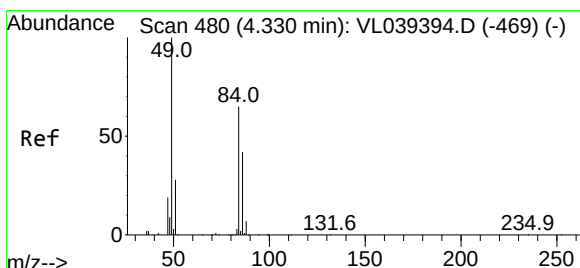
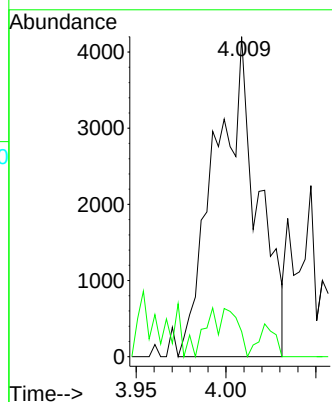
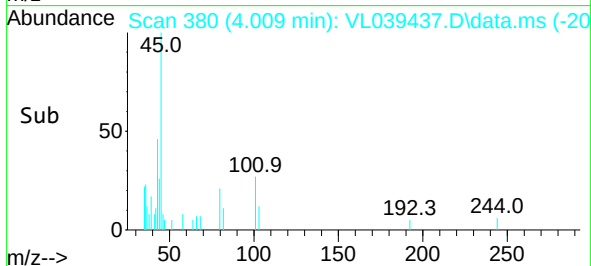
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



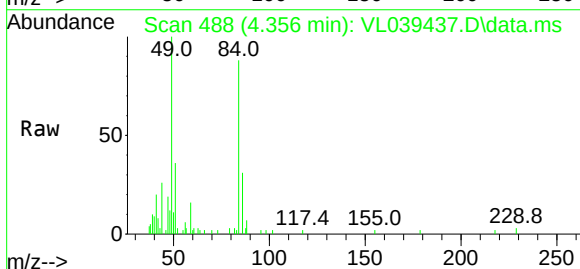
Tgt Ion: 45 Resp: 7002
Ion Ratio Lower Upper
45 100
58 10.1 3.2 4.8

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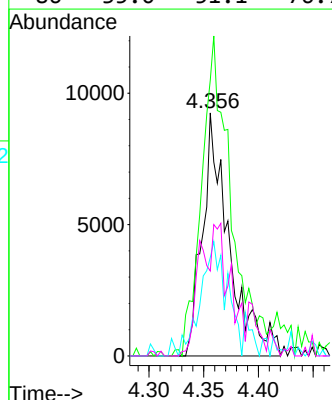
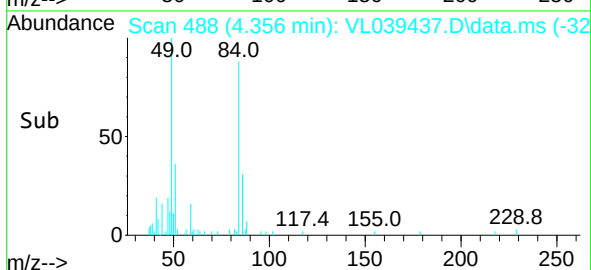
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

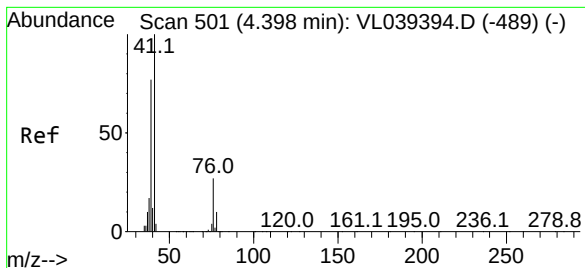


#20
Methylene Chloride
Concen: 0.302 ppbv m
RT: 4.356 min Scan# 488
Delta R.T. 0.026 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



Tgt Ion: 84 Resp: 15684
Ion Ratio Lower Upper
84 100
49 113.5 123.1 184.7#
51 40.5 34.4 51.6
86 35.0 51.1 76.7#





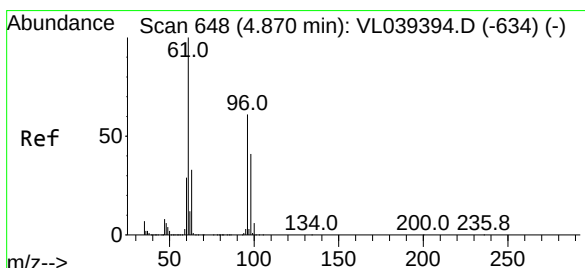
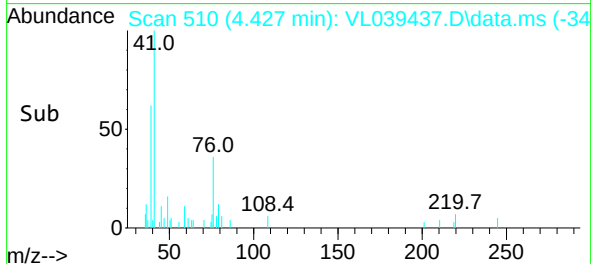
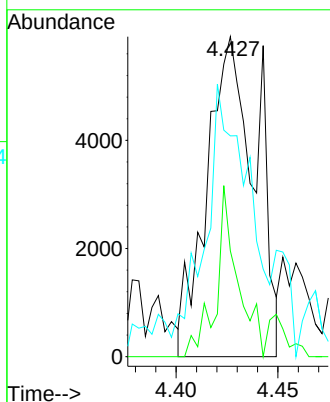
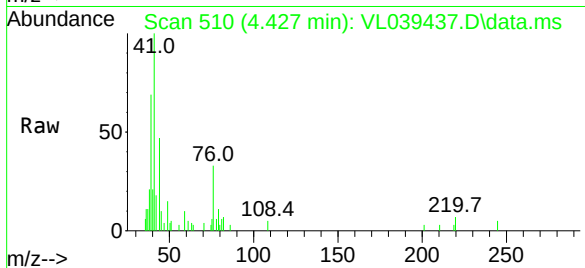
#21
 Allyl Chloride
 Concen: 0.110 ppbv m
 RT: 4.427 min Scan# 510
 Delta R.T. 0.029 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

Instrument : MSVOA_L
 ClientSampleId : MDL-AIR-03-QT2-2022

Tgt Ion: 41 Resp: 9920
 Ion Ratio Lower Upper
 41 100
 76 28.7 24.4 36.6
 39 93.5 63.5 95.3

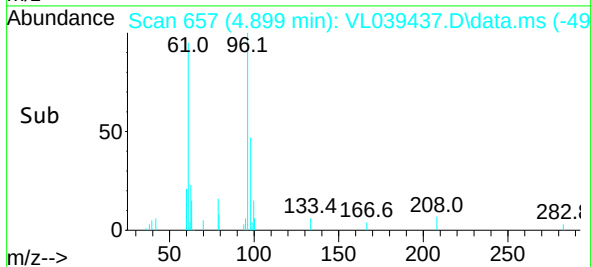
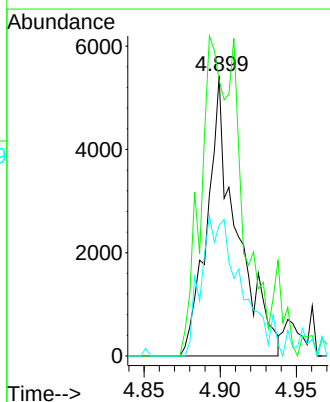
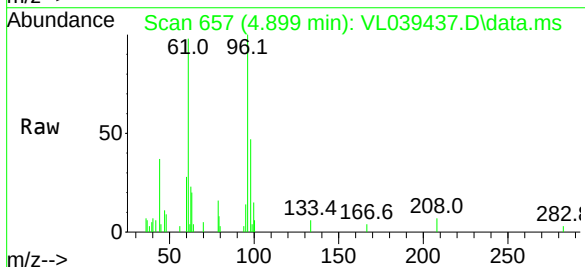
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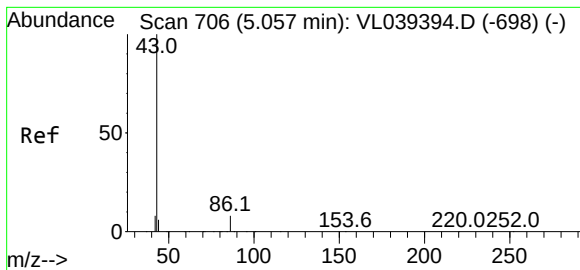
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#22
 trans-1,2-Dichloroethene
 Concen: 0.126 ppbv m
 RT: 4.899 min Scan# 657
 Delta R.T. 0.029 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

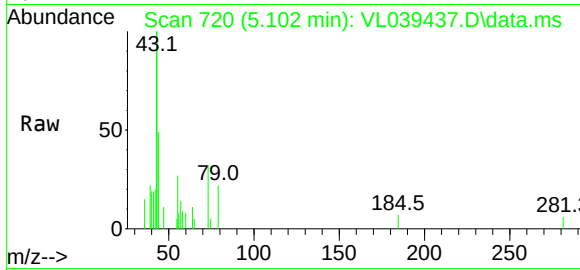
Tgt Ion: 96 Resp: 7300
 Ion Ratio Lower Upper
 96 100
 61 98.5 130.6 195.8#
 98 46.7 53.4 80.0#





#23
 Vinyl Acetate
 Concen: 0.114 ppbv m
 RT: 5.102 min Scan# 706
 Delta R.T. 0.045 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

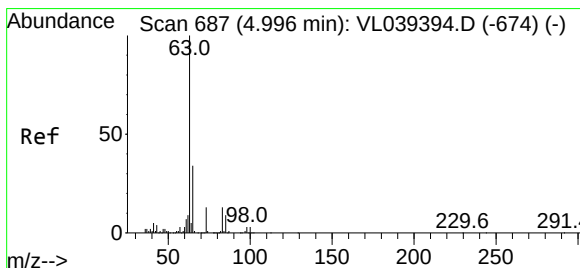
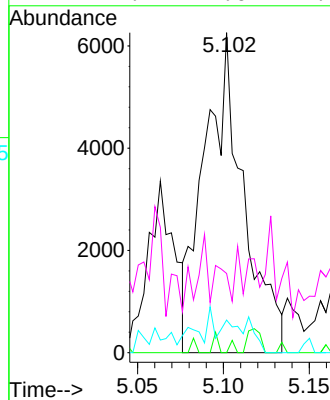
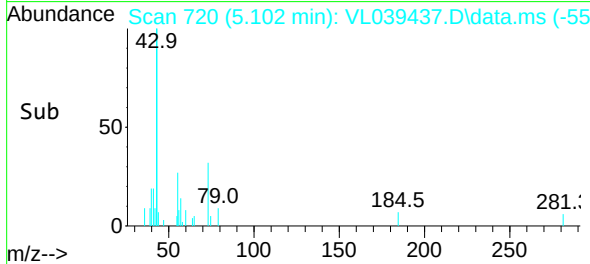
Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022



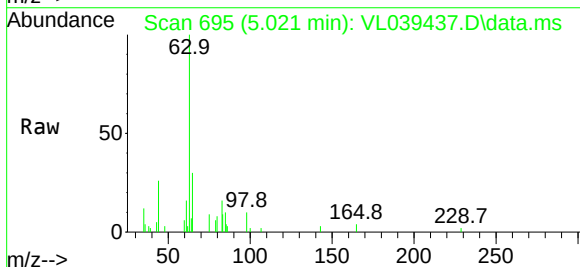
Tgt Ion: 43 Resp: 991
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.0 7.6
 42 20.3 7.7 11.5
 44 49.4 4.6 7.0

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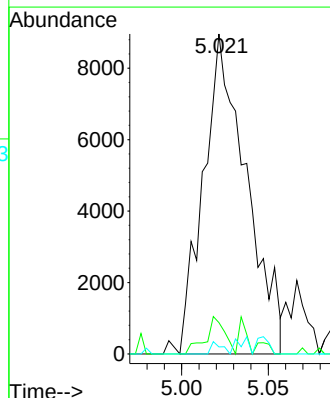
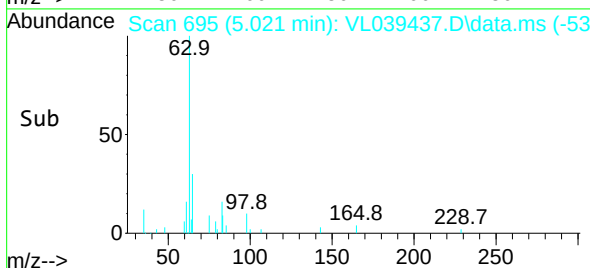
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

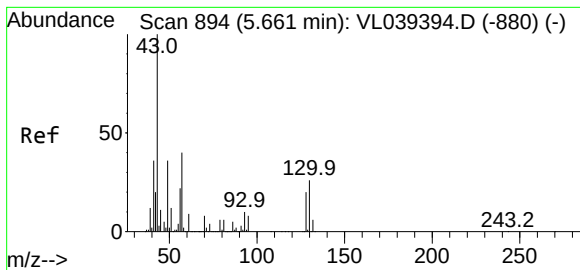


#24
 1,1-Dichloroethane
 Concen: 0.125 ppbv
 RT: 5.021 min Scan# 695
 Delta R.T. 0.026 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07



Tgt Ion: 63 Resp: 15390
 Ion Ratio Lower Upper
 63 100
 98 9.8 1.8 5.3
 100 2.2 1.5 4.4





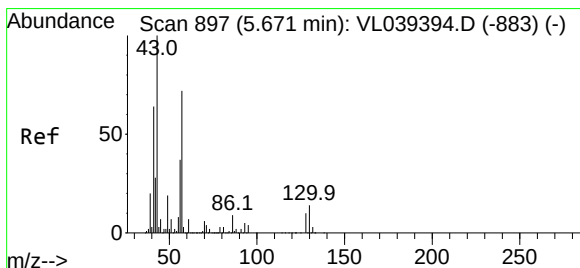
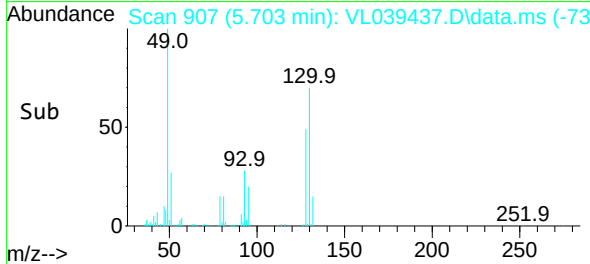
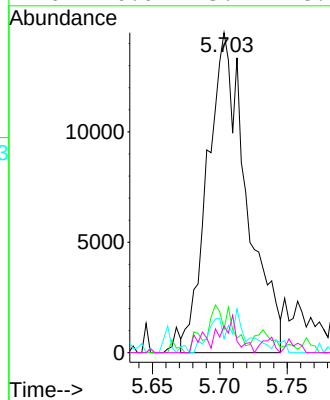
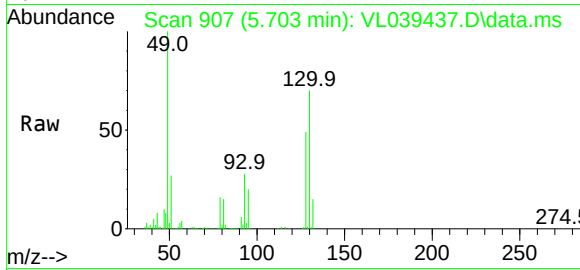
#25
Ethyl Acetate
Concen: 0.109 ppbv m
RT: 5.703 min Scan# 907
Delta R.T. 0.042 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022

Tgt Ion: 43 Resp: 29248
Ion Ratio Lower Upper
43 100
45 15.5 8.2 12.4
61 0.0 8.3 12.5
70 0.0 5.9 8.9

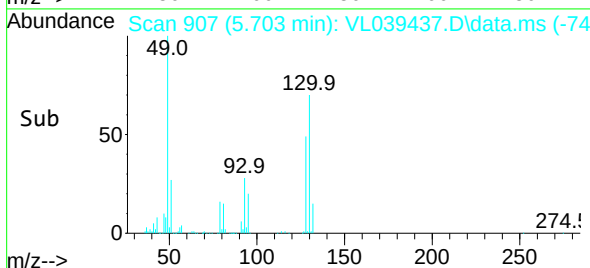
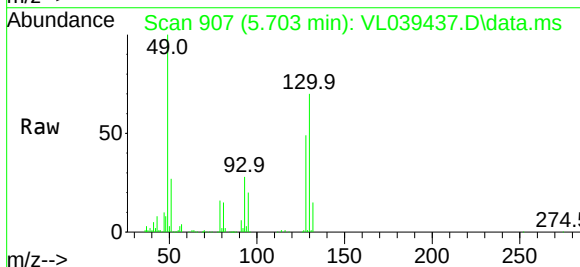
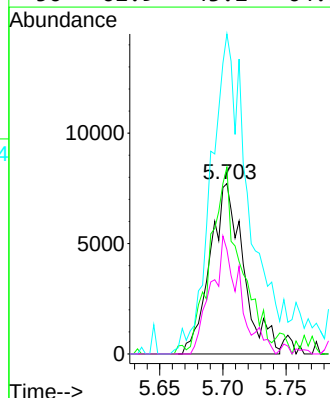
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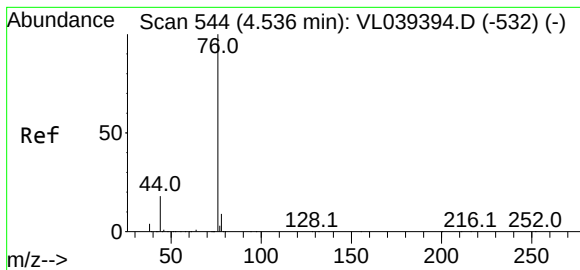
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#26
Hexane
Concen: 0.131 ppbv m
RT: 5.703 min Scan# 907
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

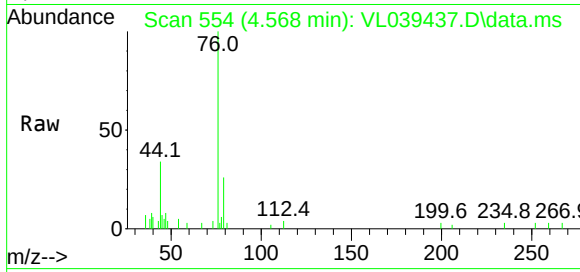
Tgt Ion: 57 Resp: 14112
Ion Ratio Lower Upper
57 100
41 109.8 76.9 115.3
43 242.8 191.0 286.6
56 62.9 43.2 64.8





#27
Carbon Disulfide
Concen: 0.097 ppbv m
RT: 4.568 min Scan# 511
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

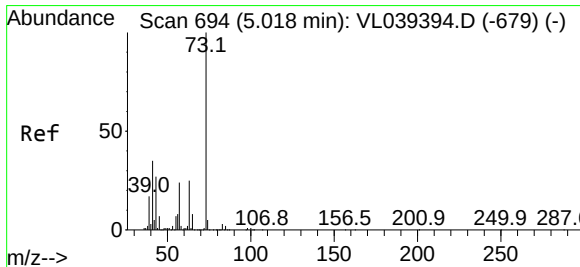
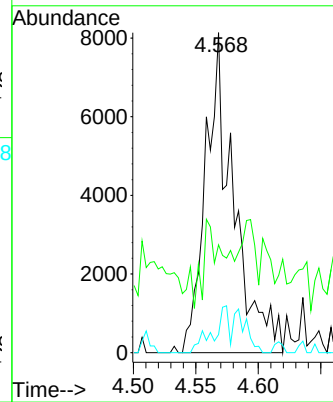
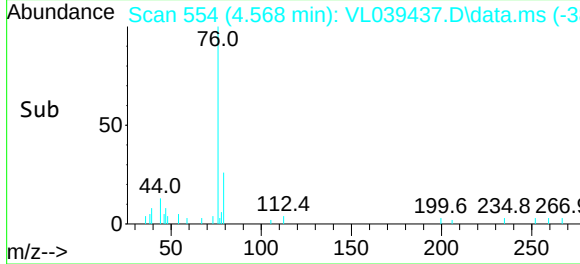
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2022



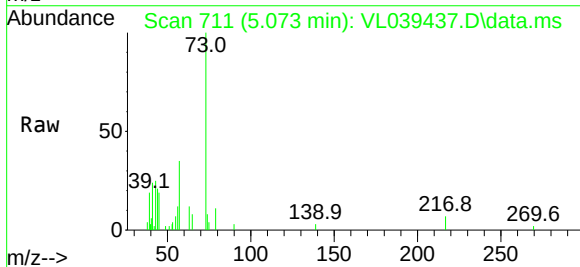
Tgt Ion: 76 Resp: 12629
Ion Ratio Lower Upper
76 100
44 19.2 14.6 21.8
78 0.0 7.8 11.6

Manual Integrations
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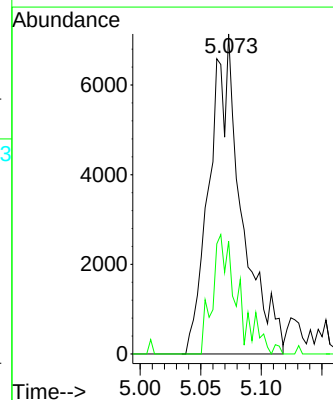
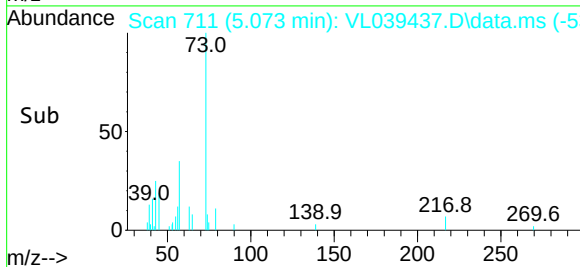
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

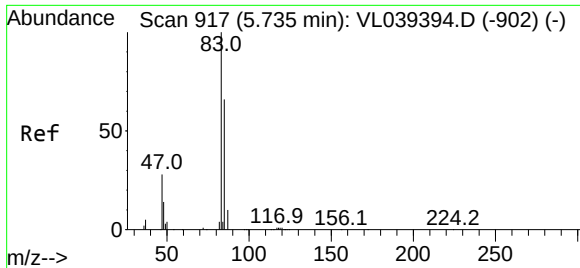


#28
Methyl tert-Butyl Ether
Concen: 0.114 ppbv m
RT: 5.073 min Scan# 711
Delta R.T. 0.055 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



Tgt Ion: 73 Resp: 13192
Ion Ratio Lower Upper
73 100
57 29.8 19.8 29.8





#29

Chloroform

Concen: 0.122 ppbv

RT: 5.761 min Scan# 917

Delta R.T. 0.026 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

Tgt Ion: 83 Resp: 22964

Ion Ratio Lower Upper

83 100

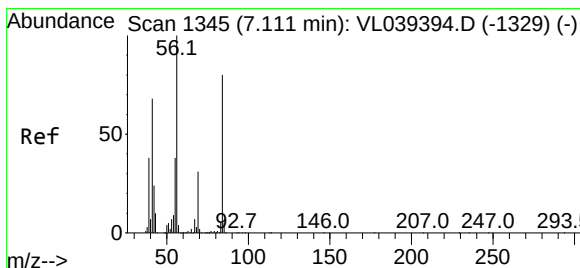
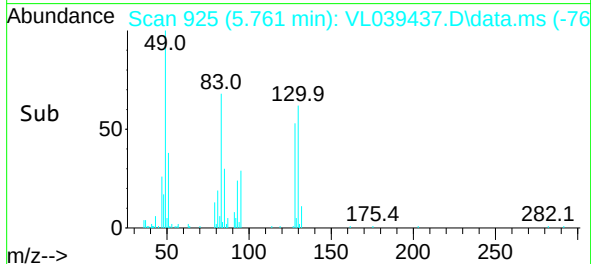
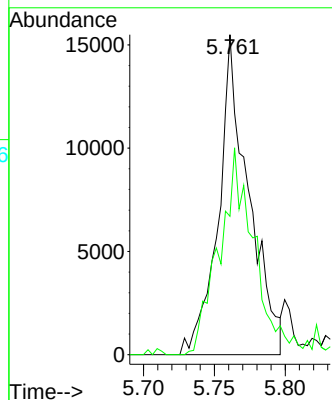
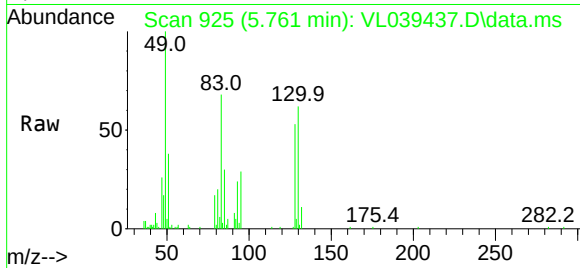
85 43.2 52.8 79.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#30

Cyclohexane

Concen: 0.186 ppbv m

RT: 7.169 min Scan# 1363

Delta R.T. 0.058 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

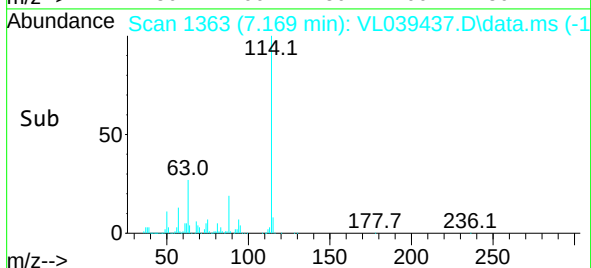
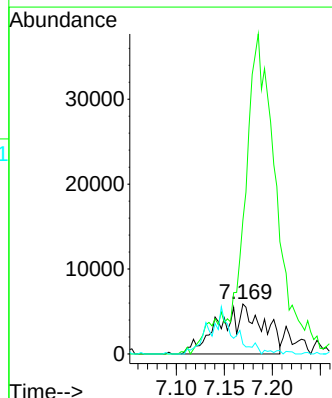
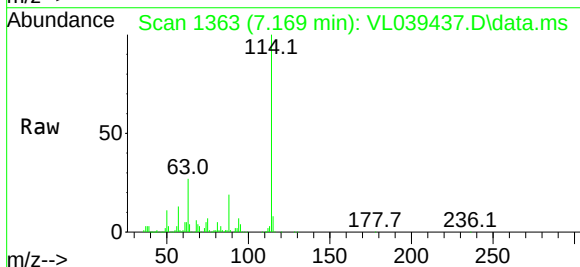
Tgt Ion: 84 Resp: 18270

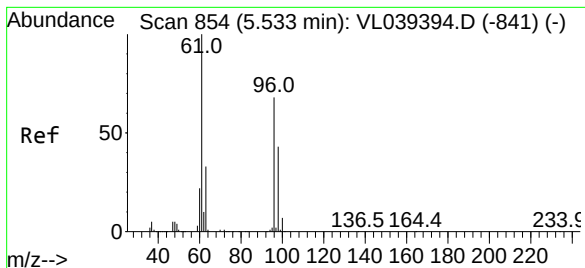
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

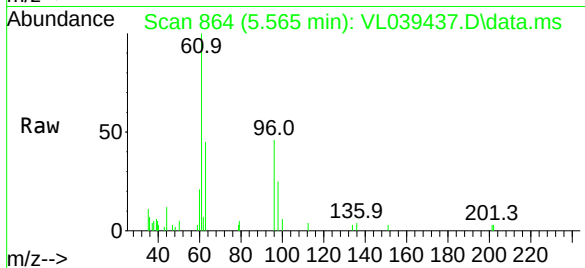
41 54.9 67.7 101.5#





#31
 cis-1,2-Dichloroethene
 Concen: 0.101 ppbv m
 RT: 5.565 min Scan# 80
 Delta R.T. 0.032 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

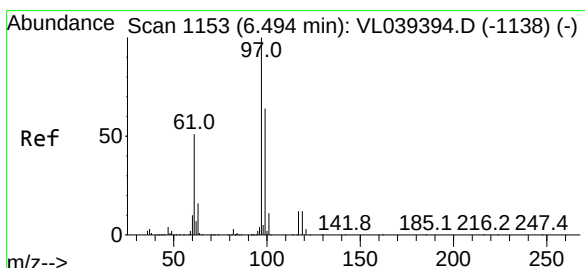
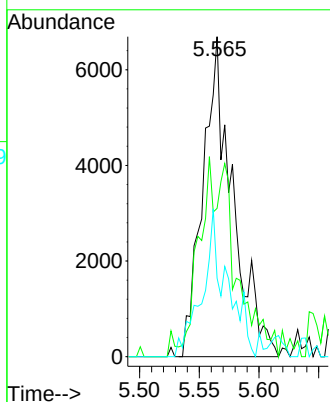
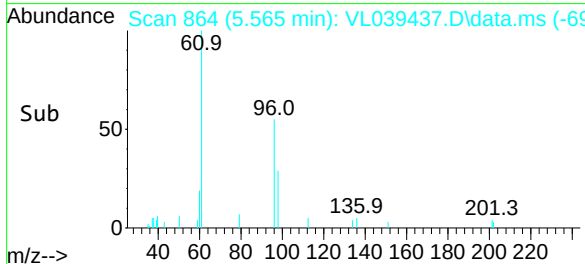
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022



Tgt Ion: 61 Resp: 11614
 Ion Ratio Lower Upper
 61 100
 96 46.3 54.1 81.1
 98 24.6 34.6 52.0

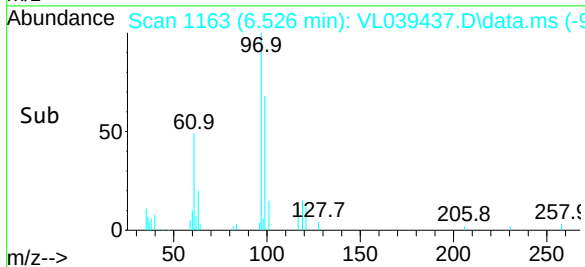
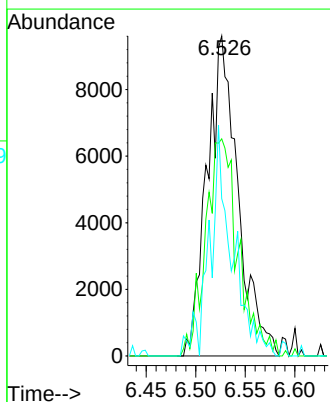
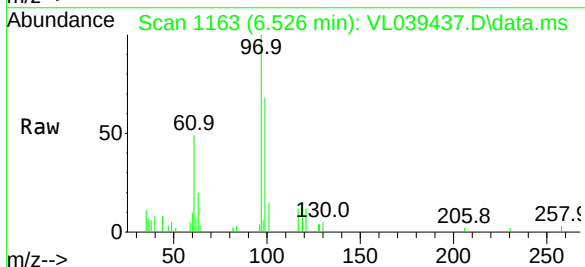
Manual Integrations
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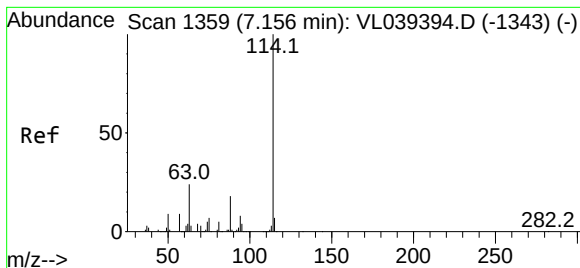
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022



#32
 1,1,1-Trichloroethane
 Concen: 0.113 ppbv m
 RT: 6.526 min Scan# 1163
 Delta R.T. 0.032 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

Tgt Ion: 97 Resp: 20861
 Ion Ratio Lower Upper
 97 100
 99 71.1 52.3 78.5
 61 53.1 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.189 min Scan# 114

Delta R.T. 0.032 min

Lab File: VL039437.D

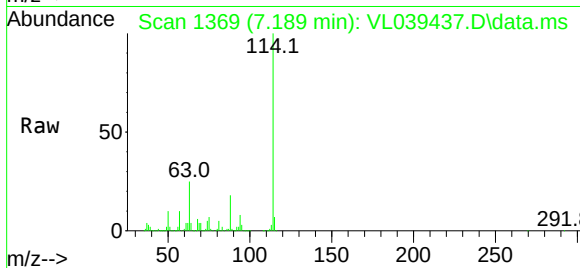
Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022



Tgt Ion:114 Resp: 315576

Ion Ratio Lower Upper

114 100

63 25.4 20.2 30.4

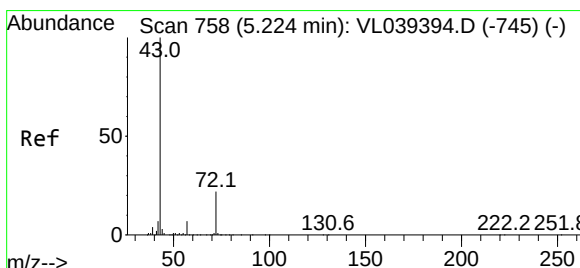
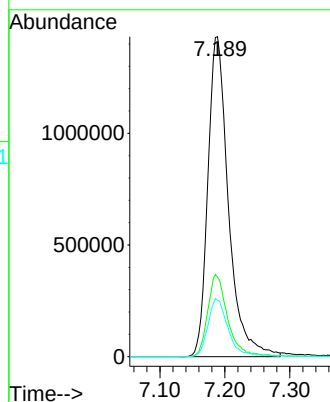
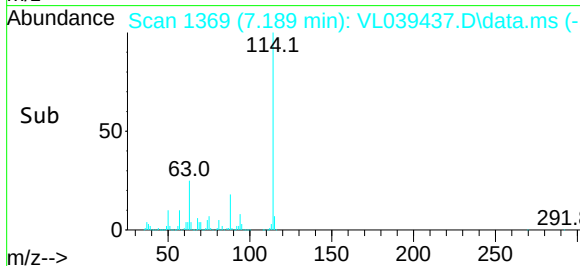
88 18.1 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#34

2-Butanone

Concen: 0.115 ppbv m

RT: 5.288 min Scan# 778

Delta R.T. 0.064 min

Lab File: VL039437.D

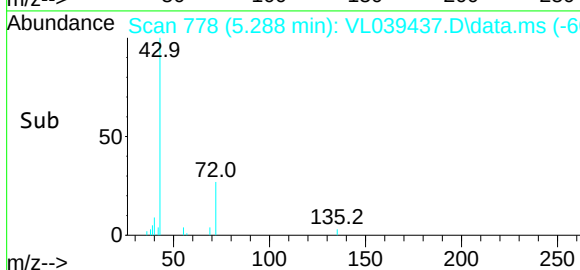
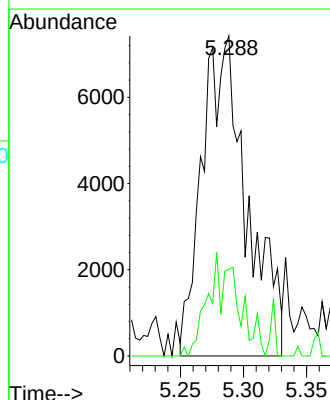
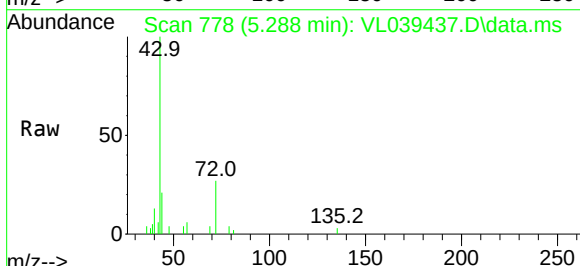
Acq: 6 Jul 2022 3:07

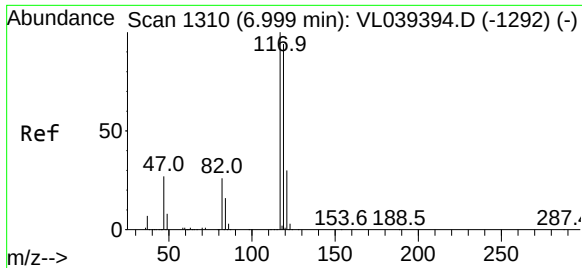
Tgt Ion: 43 Resp: 18344

Ion Ratio Lower Upper

43 100

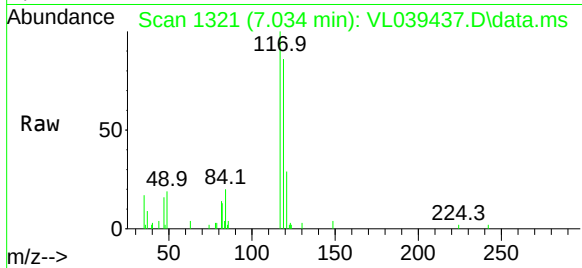
72 0.0 17.9 26.9#





#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 7.034 min Scan# 117
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

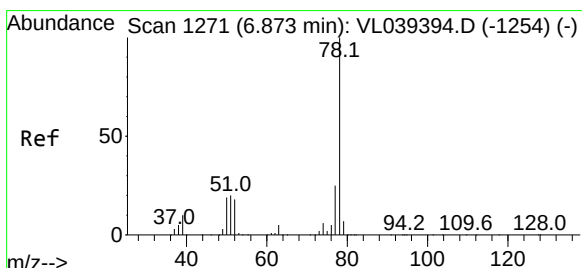
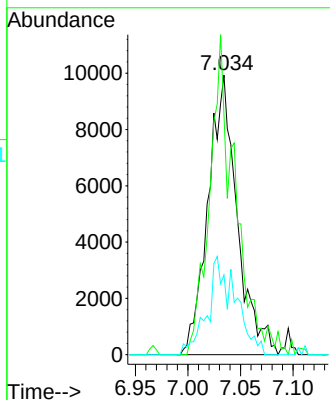
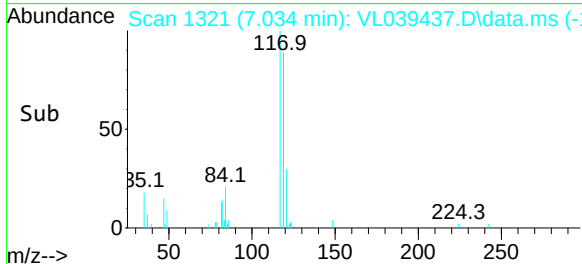
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



Tgt Ion: 117 Resp: 1914
Ion Ratio Lower Upper
117 100
119 86.0 75.4 113.2
121 28.5 24.2 36.2

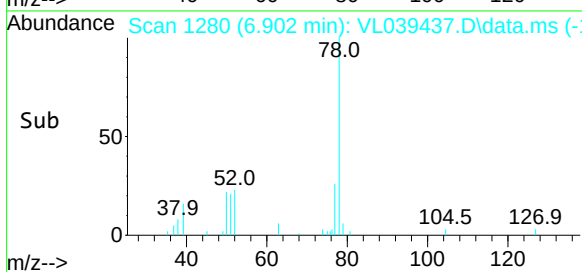
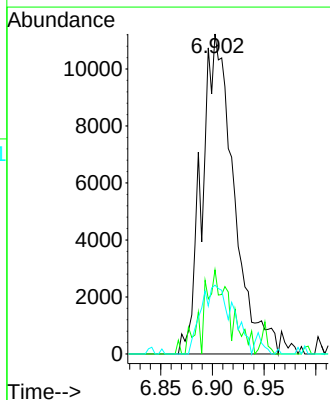
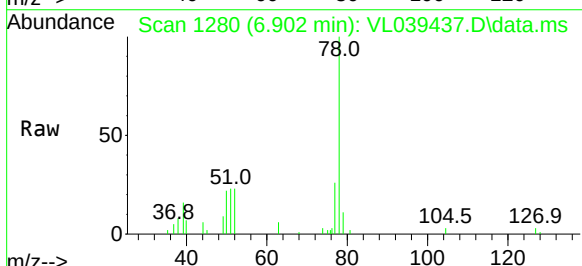
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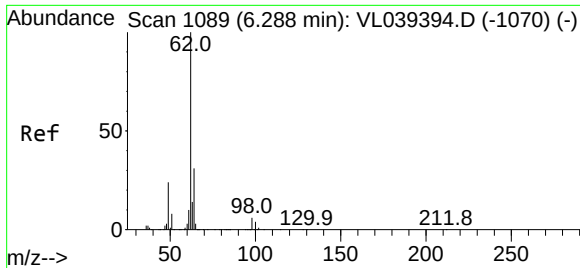
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#36
Benzene
Concen: 0.099 ppbv m
RT: 6.902 min Scan# 1280
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

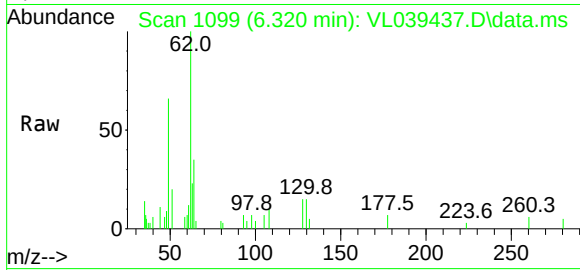
Tgt Ion: 78 Resp: 24183
Ion Ratio Lower Upper
78 100
77 26.3 20.3 30.5
50 21.5 15.5 23.3





#37
1,2-Dichloroethane
Concen: 0.091 ppbv m
RT: 6.320 min Scan# 1089
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

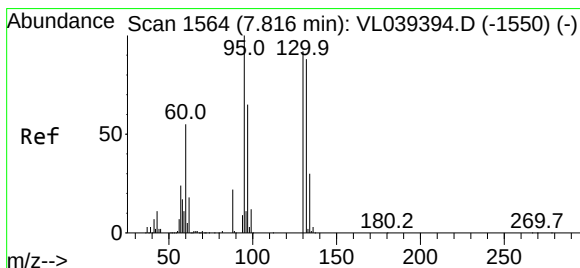
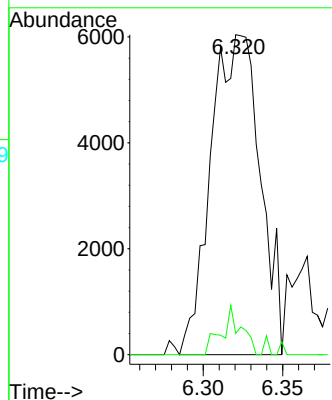
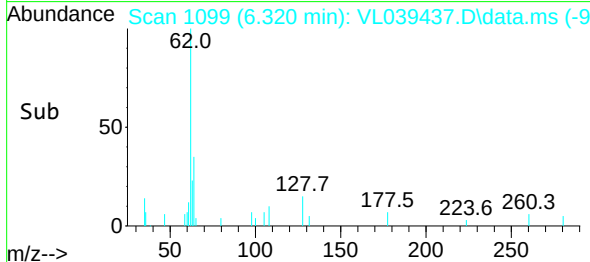
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2022



Tgt Ion: 62 Resp: 13058
Ion Ratio Lower Upper
62 100
98 6.6 5.1 7.7

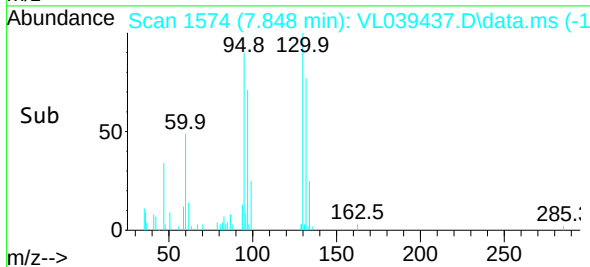
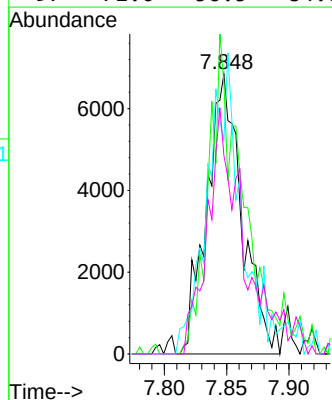
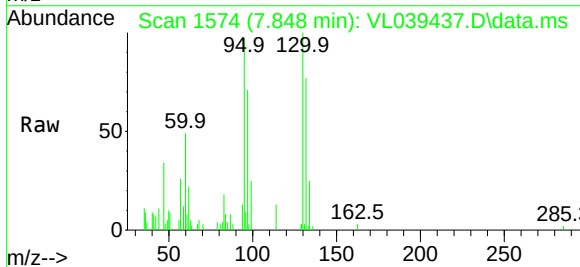
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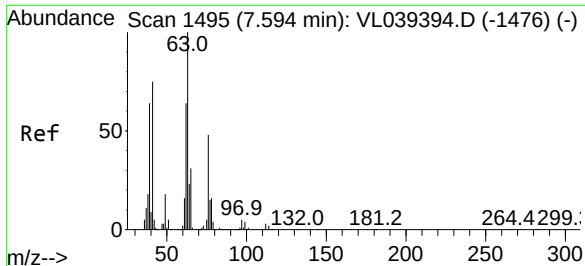
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#38
Trichloroethene
Concen: 0.103 ppbv m
RT: 7.848 min Scan# 1574
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Tgt Ion:130 Resp: 13558
Ion Ratio Lower Upper
130 100
95 96.8 87.3 130.9
132 76.5 76.7 115.1#
97 71.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 0.128 ppbv m

RT: 7.623 min Scan# 1

Delta R.T. 0.029 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

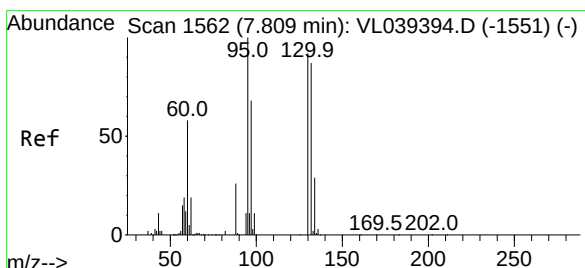
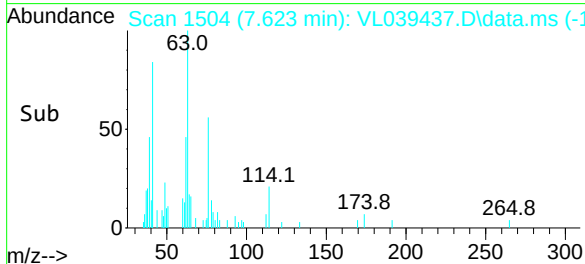
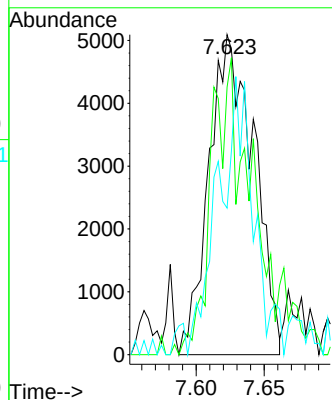
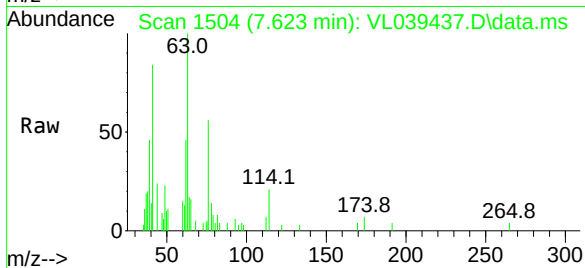
Tgt Ion: 63 Resp: 1171

Ion	Ratio	Lower	Upper
63	100		
41	83.6	59.6	89.4
62	45.8	51.4	77.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#40

1,4-Dioxane

Concen: 0.124 ppbv m

RT: 7.893 min Scan# 1588

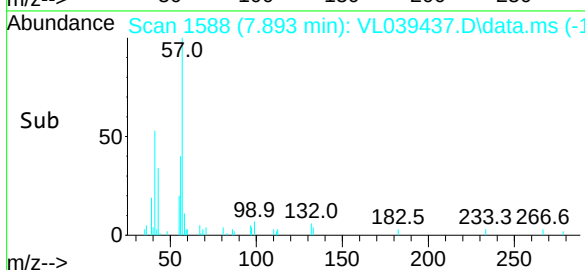
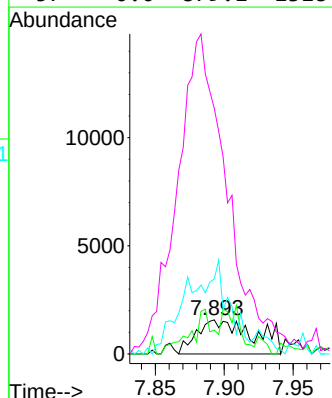
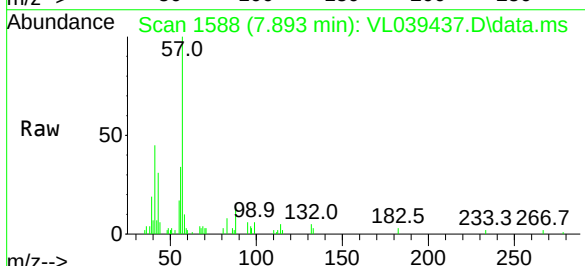
Delta R.T. 0.084 min

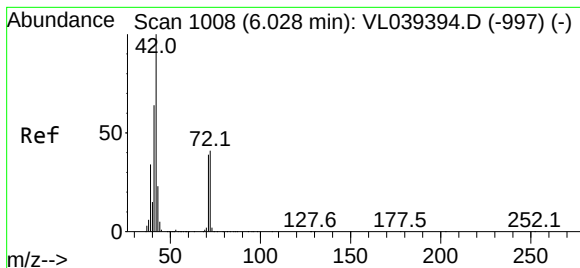
Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Tgt Ion: 88 Resp: 4514

Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.2	150.4#
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





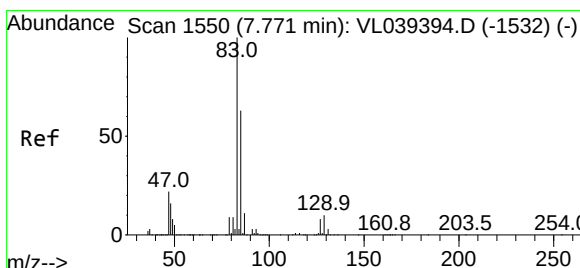
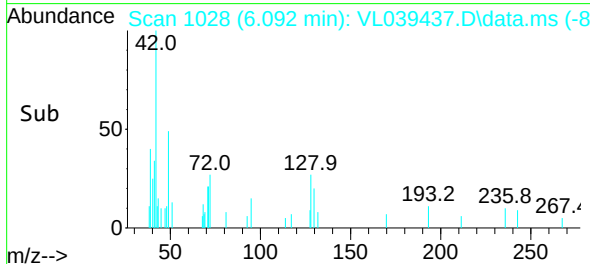
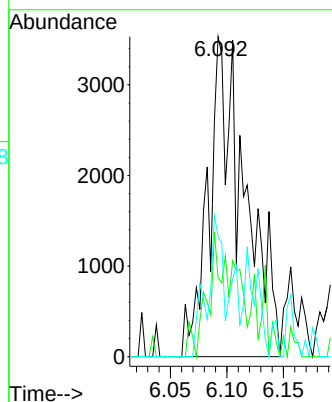
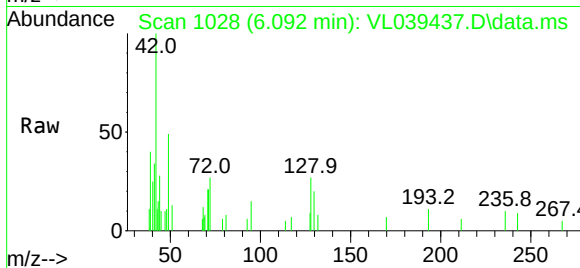
#41
Tetrahydrofuran
Concen: 0.085 ppbv m
RT: 6.092 min Scan# 1008
Delta R.T. 0.064 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2022

Tgt Ion: 42 Resp: 780
Ion Ratio Lower Upper
42 100
72 0.0 31.8 47.8
71 0.0 31.8 47.8

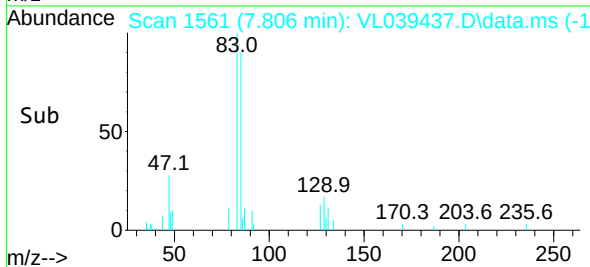
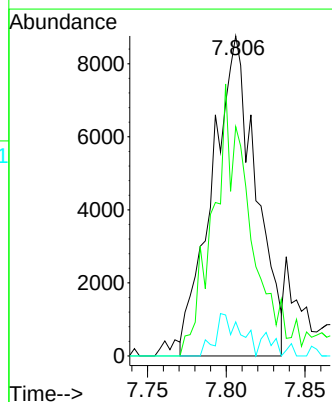
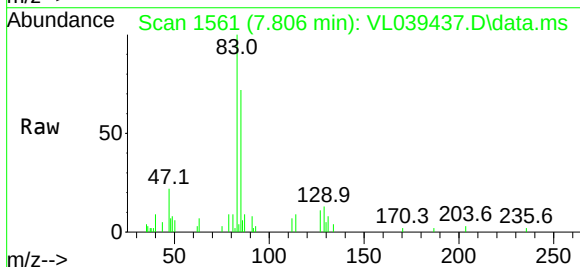
Manual Integrations
APPROVED

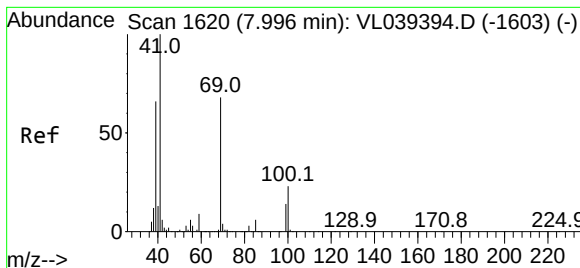
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#42
Bromodichloromethane
Concen: 0.087 ppbv m
RT: 7.806 min Scan# 1561
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Tgt Ion: 83 Resp: 17001
Ion Ratio Lower Upper
83 100
85 71.6 50.7 76.1
127 10.7 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.081 ppbv m

RT: 8.050 min Scan# 1

Delta R.T. 0.055 min

Lab File: VL039437.D

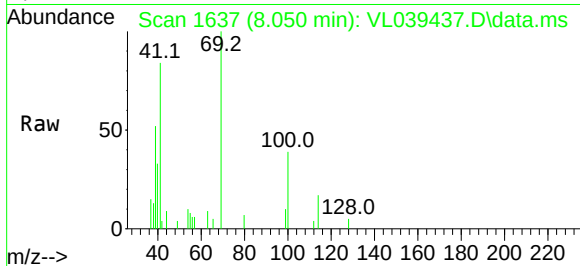
Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022



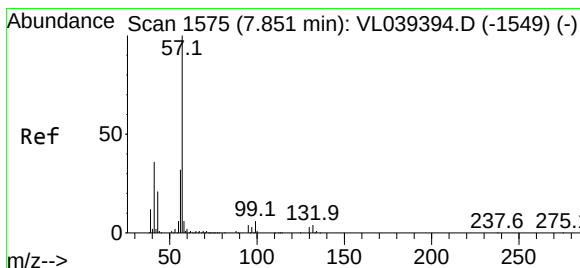
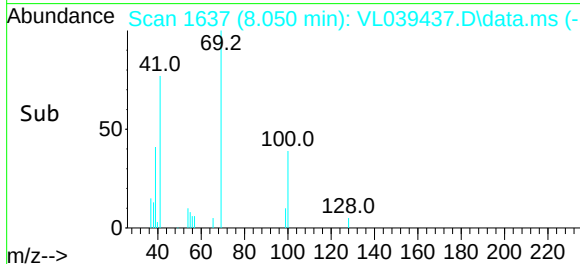
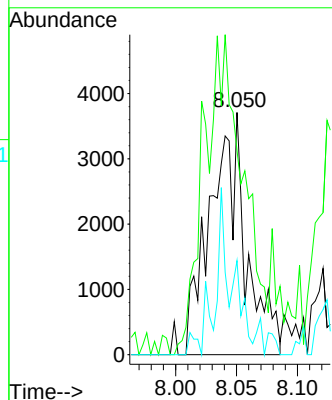
Tgt Ion:	69	Resp:	7548
Ion	Ratio	Lower	Upper
69	100		
41	0.0	120.8	181.2
100	0.0	27.8	41.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#44

2,2,4-Trimethylpentane

Concen: 0.091 ppbv m

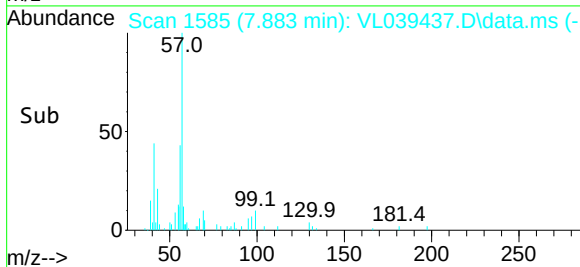
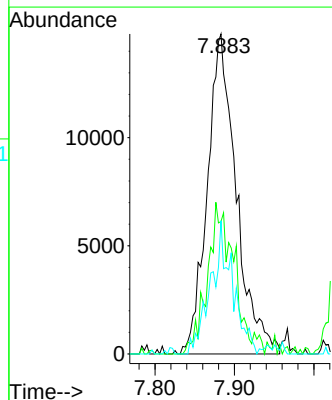
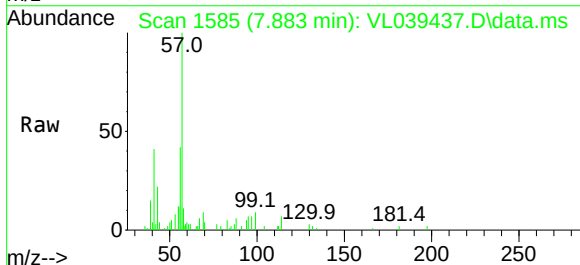
RT: 7.883 min Scan# 1585

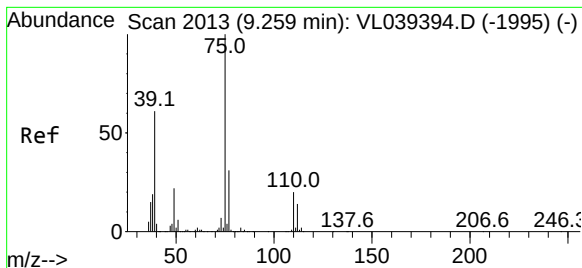
Delta R.T. 0.032 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

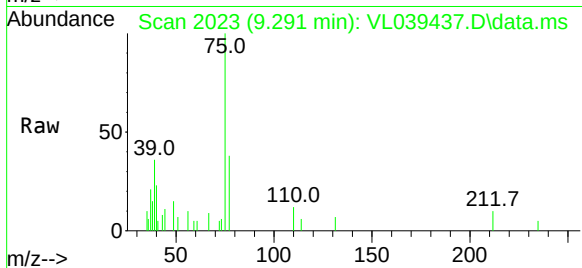
Tgt Ion:	57	Resp:	37576
Ion	Ratio	Lower	Upper
57	100		
41	44.8	27.4	41.2
56	33.0	24.5	36.7





#45
t-1,3-Dichloropropene
Concen: 0.058 ppbv m
RT: 9.291 min Scan# 20
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

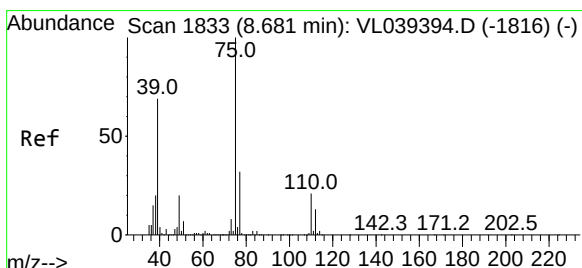
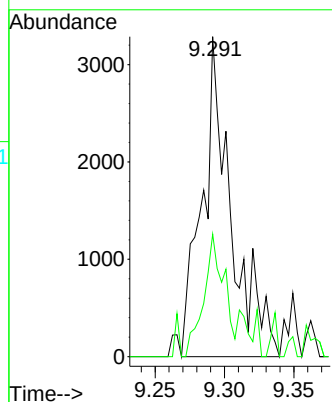
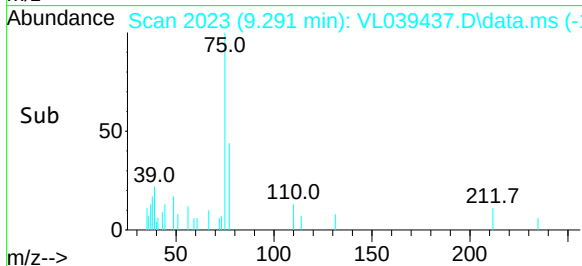
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



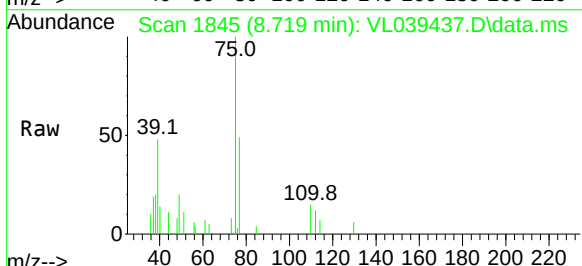
Tgt Ion: 75 Resp: 4779
Ion Ratio Lower Upper
75 100
77 38.3 24.6 36.8

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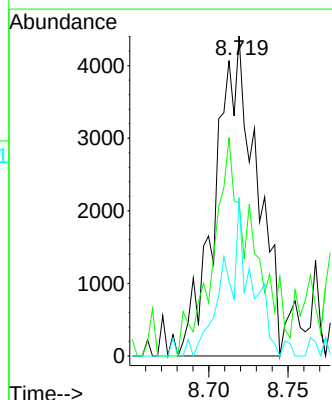
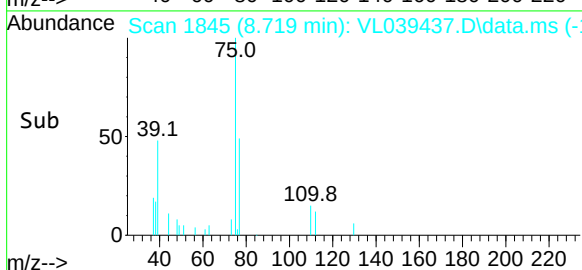
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

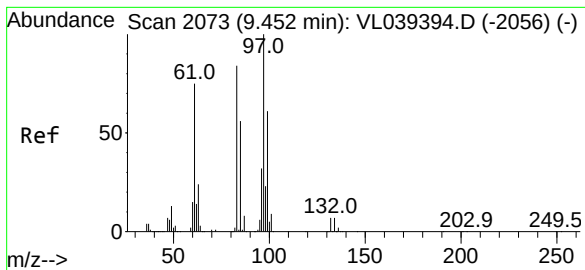


#46
cis-1,3-Dichloropropene
Concen: 0.069 ppbv m
RT: 8.719 min Scan# 1845
Delta R.T. 0.039 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



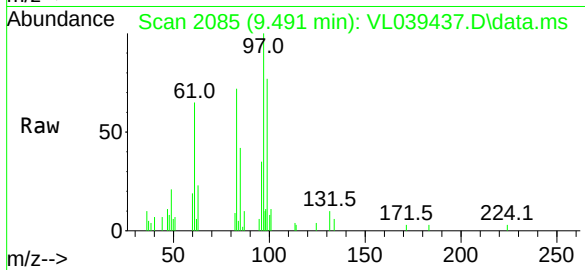
Tgt Ion: 75 Resp: 7908
Ion Ratio Lower Upper
75 100
39 47.9 55.0 82.4#
77 49.5 25.7 38.5#





#47
1,1,2-Trichloroethane
Concen: 0.115 ppbv m
RT: 9.491 min Scan# 2073
Delta R.T. 0.039 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

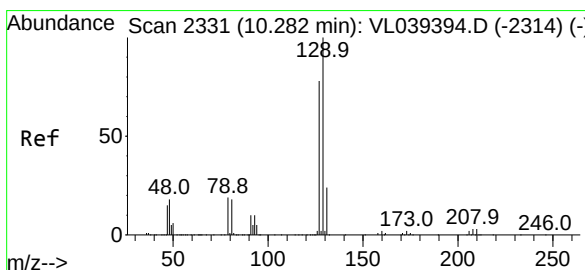
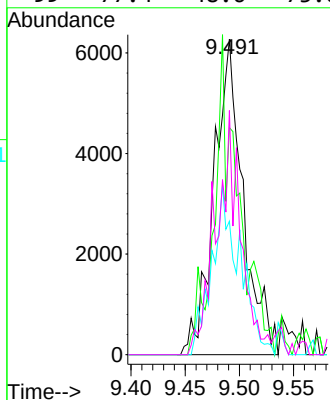
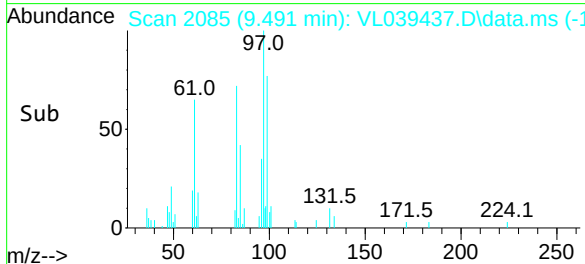
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



Tgt Ion: 97 Resp: 11740
Ion Ratio Lower Upper
97 100
83 72.0 67.4 101.0
85 42.3 45.1 67.7
99 77.4 48.6 73.0#

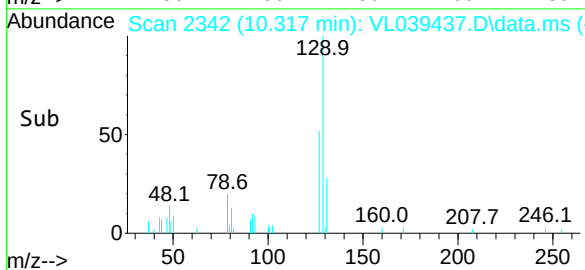
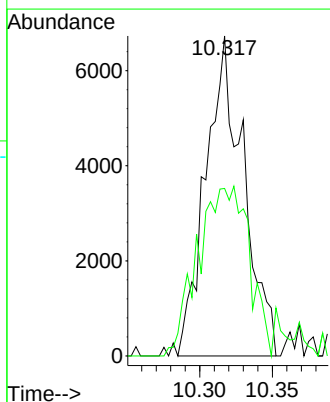
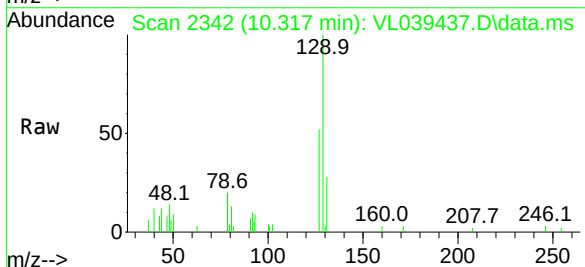
Manual Integrations
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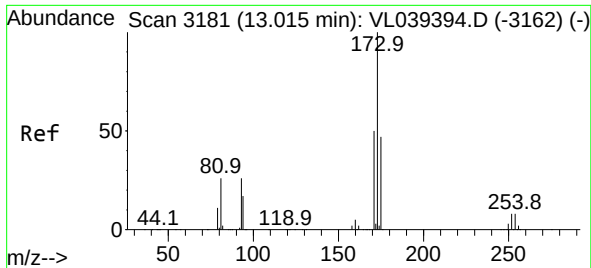
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#48
Dibromochloromethane
Concen: 0.075 ppbv m
RT: 10.317 min Scan# 2342
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

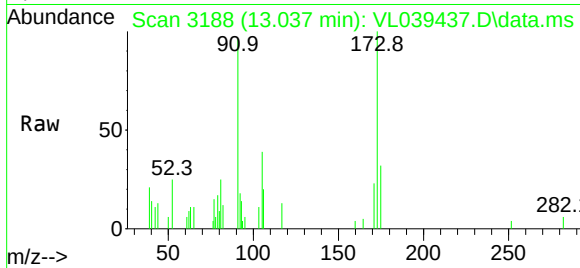
Tgt Ion:129 Resp: 12146
Ion Ratio Lower Upper
129 100
127 79.6 39.3 117.9





#49
Bromoform
Concen: 0.070 ppbv m
RT: 13.037 min Scan# 3181
Delta R.T. 0.023 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

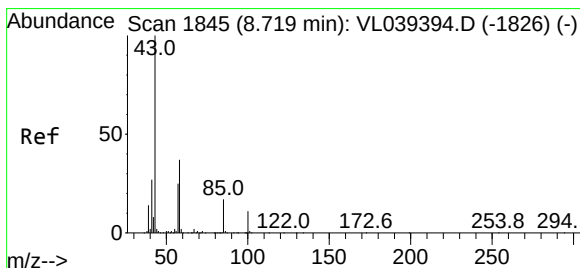
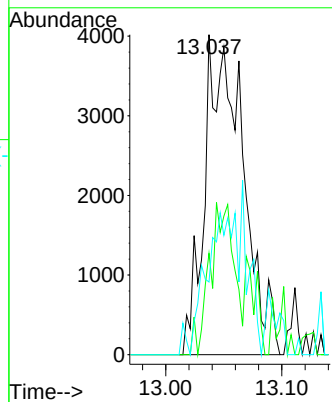
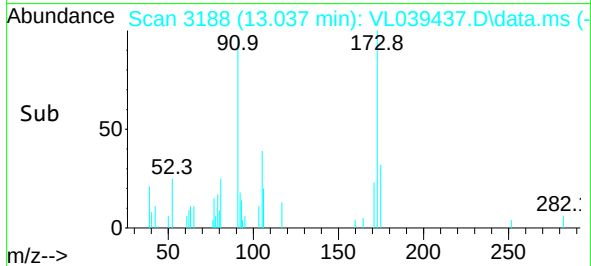
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



Tgt Ion: 173 Resp: 9180
Ion Ratio Lower Upper
173 100
175 0.0 40.3 60.5
171 53.5 42.9 64.3

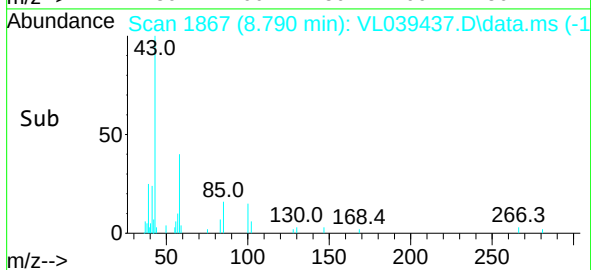
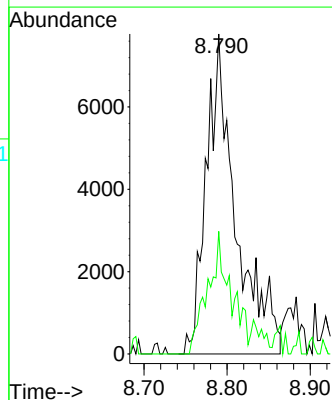
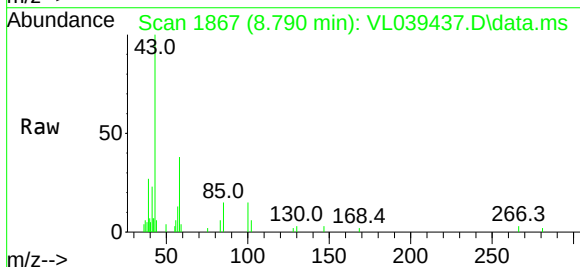
Manual Integrations
APPROVED

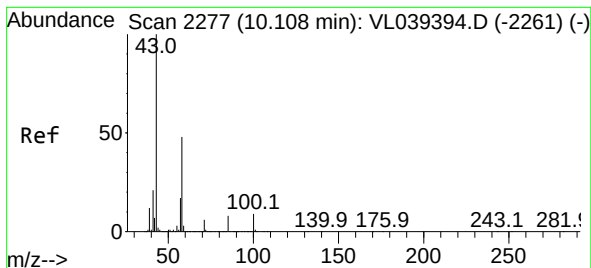
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#50
4-Methyl-2-Pentanone
Concen: 0.080 ppbv m
RT: 8.790 min Scan# 1867
Delta R.T. 0.071 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Tgt Ion: 43 Resp: 19101
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#51

2-Hexanone

Concen: 0.070 ppbv m

RT: 10.188 min Scan# 21

Delta R.T. 0.080 min

Lab File: VL039437.D

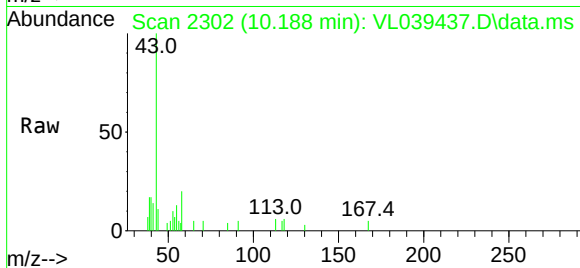
Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

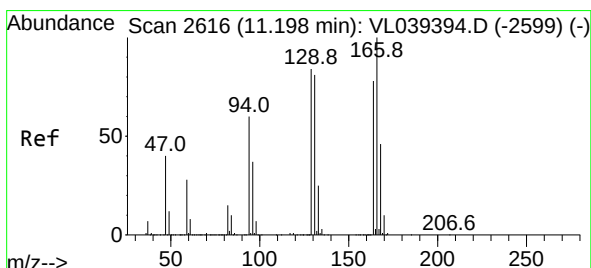
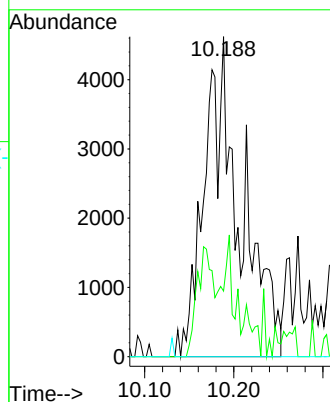
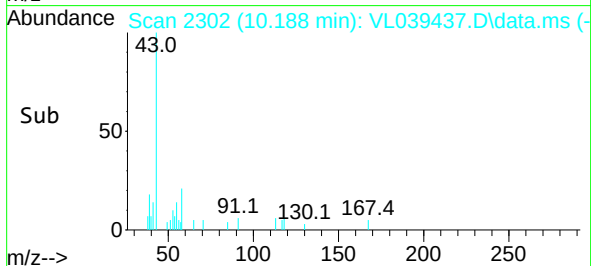
MDL-AIR-03-QT2-2022



Tgt Ion: 43	Resp: 12749
Ion Ratio	Lower Upper
43	100
58	0.0 38.4 57.6
98	0.0 0.3 0.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#52

Tetrachloroethene

Concen: 0.106 ppbv m

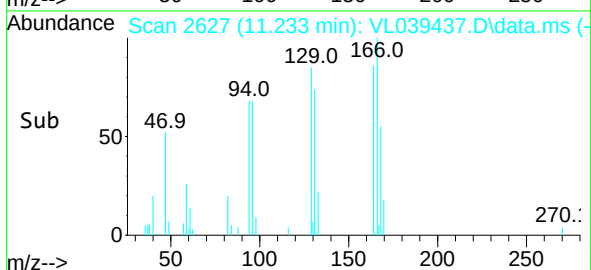
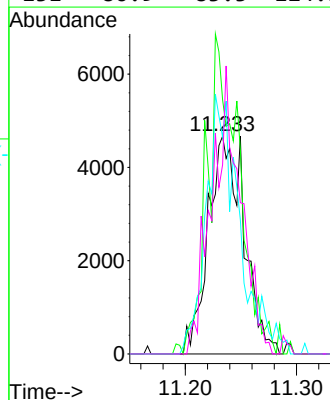
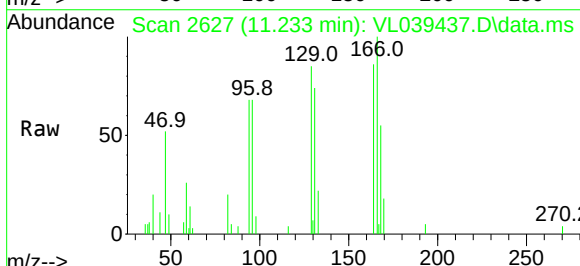
RT: 11.233 min Scan# 2627

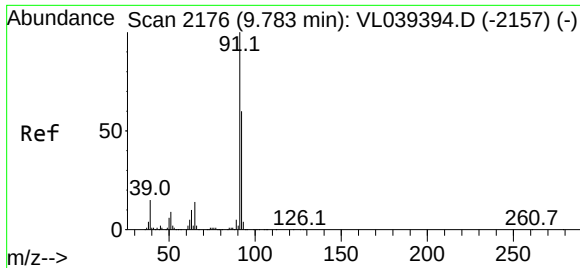
Delta R.T. 0.035 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

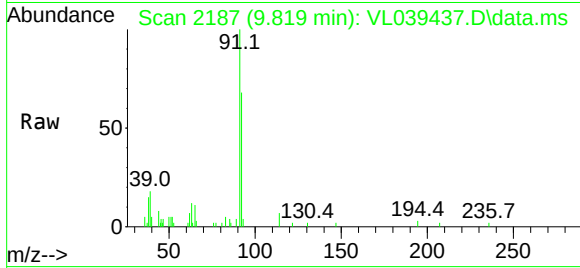
Tgt Ion:164	Resp: 10433
Ion Ratio	Lower Upper
164	100
166	116.7 102.2 153.2
129	99.6 85.8 128.8
131	86.9 83.3 124.9





#53
Toluene
Concen: 0.079 ppbv m
RT: 9.819 min Scan# 2176
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

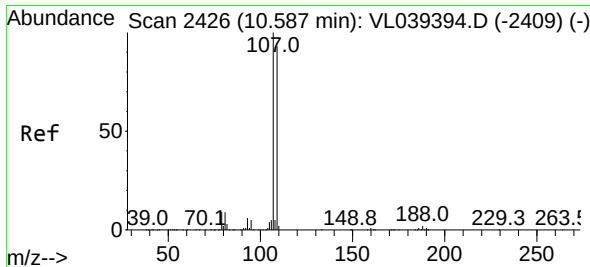
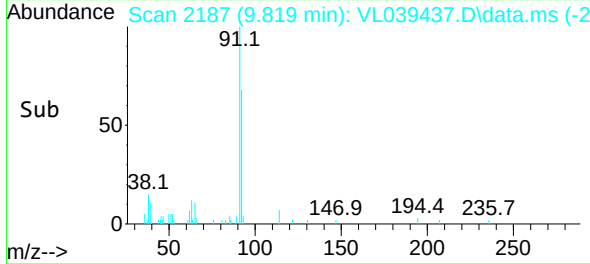
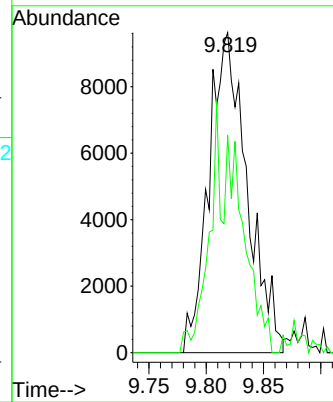
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



Tgt Ion: 91 Resp: 22329
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2

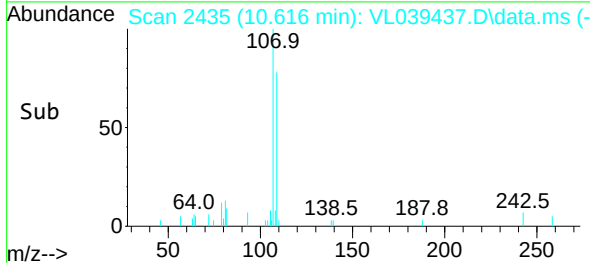
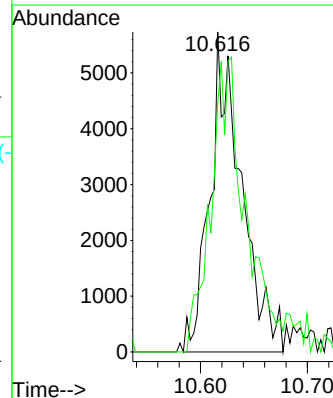
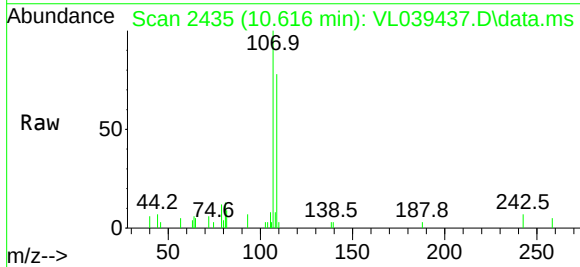
Manual Integrations
APPROVED

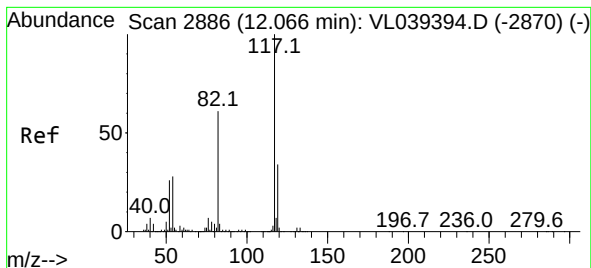
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#54
1,2-Dibromoethane
Concen: 0.092 ppbv m
RT: 10.616 min Scan# 2435
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

Tgt Ion:107 Resp: 11670
Ion Ratio Lower Upper
107 100
109 77.7 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.098 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

Tgt Ion:117 Resp: 270044

Ion Ratio Lower Upper

117 100

82 67.0 50.8 76.2

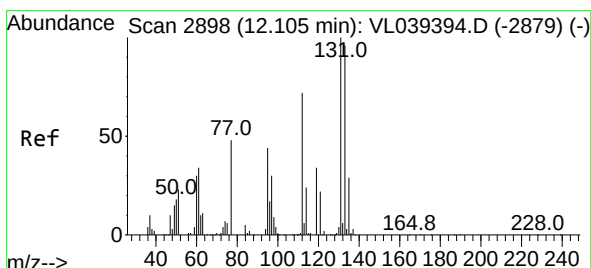
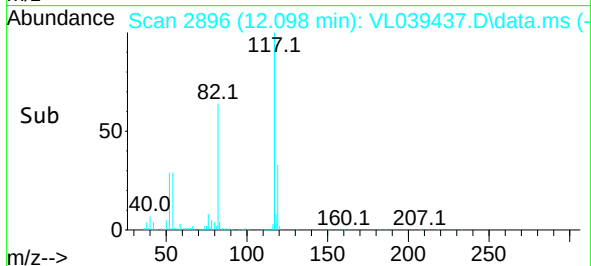
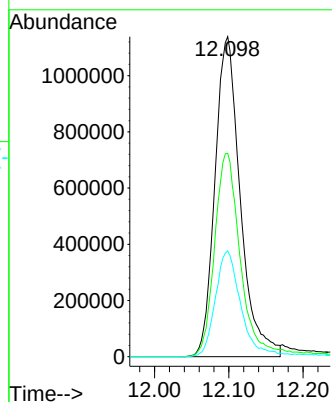
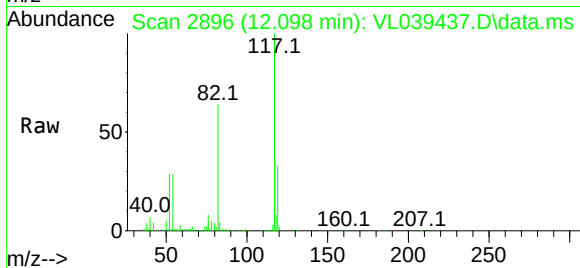
119 34.5 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#56

1,1,1,2-Tetrachloroethane

Concen: 0.123 ppbv m

RT: 12.134 min Scan# 2907

Delta R.T. 0.029 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

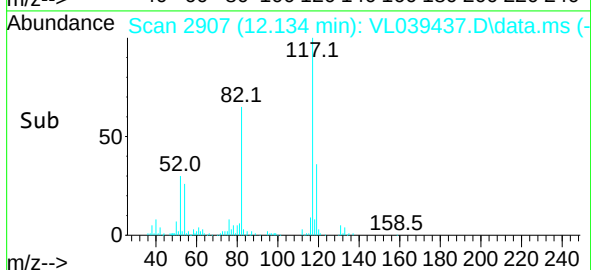
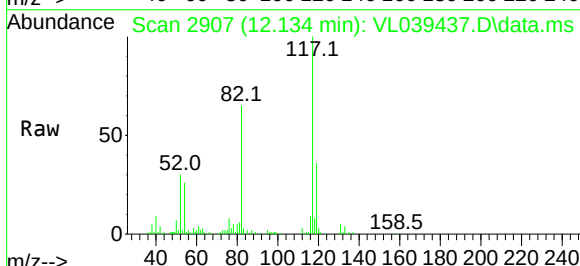
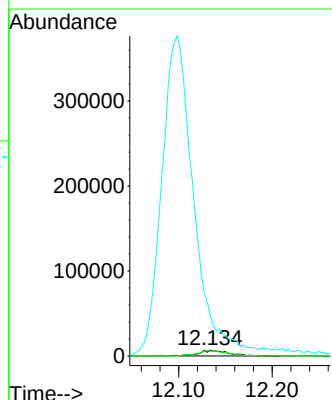
Tgt Ion:131 Resp: 14636

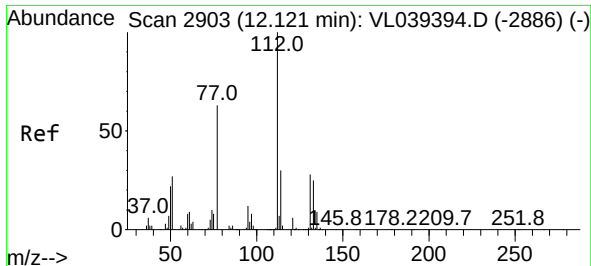
Ion Ratio Lower Upper

131 100

133 94.3 76.8 115.2

119 0.0 46.2 69.4#





#57

Chlorobenzene

Concen: 0.128 ppbv m

RT: 12.159 min Scan# 2903

Delta R.T. 0.039 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

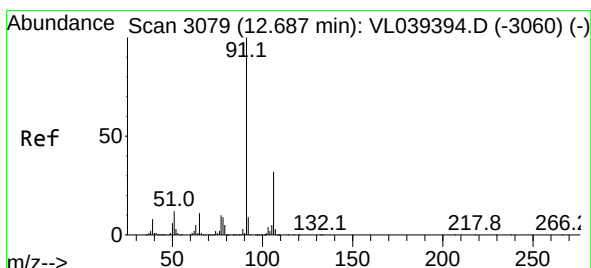
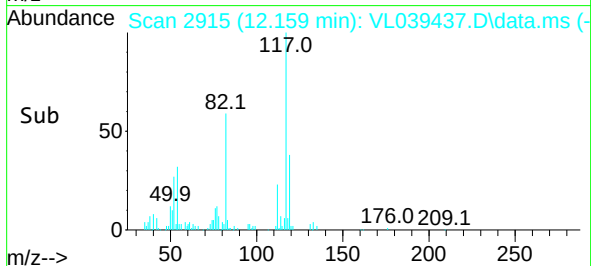
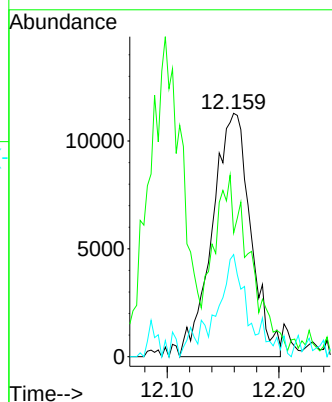
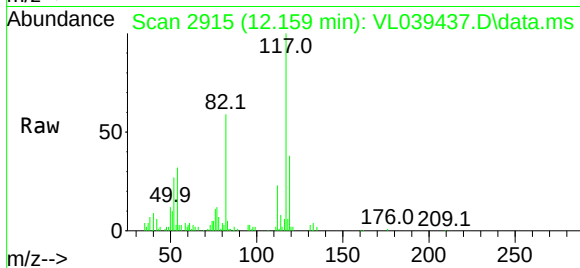
MDL-AIR-03-QT2-2022

Tgt Ion:	112	Resp:	2681
Ion Ratio	Lower	Upper	
112	100		
77	50.9	51.0	76.4
114	34.7	27.5	33.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#58

Ethyl Benzene

Concen: 0.085 ppbv m

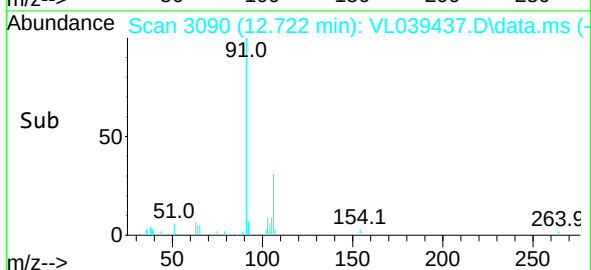
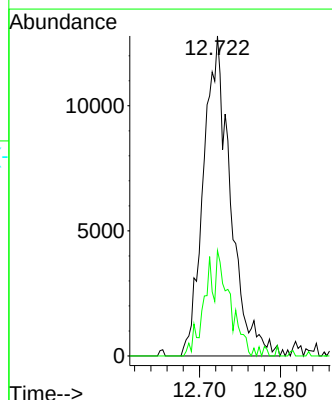
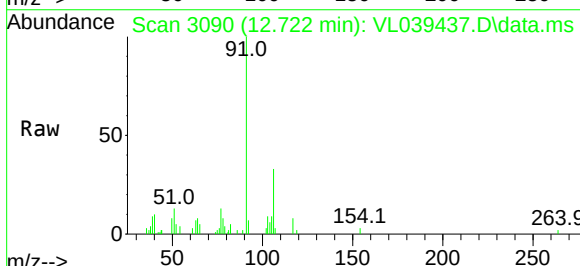
RT: 12.722 min Scan# 3090

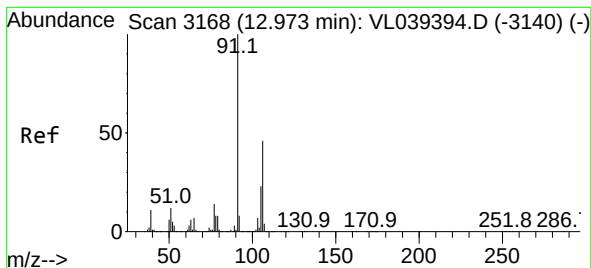
Delta R.T. 0.035 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Tgt Ion:	91	Resp:	29601
Ion Ratio	Lower	Upper	
91	100		
106	32.9	25.4	38.0





#59

m/p-Xylene

Concen: 0.163 ppbv m

RT: 12.999 min Scan# 3168

Delta R.T. 0.026 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

Tgt Ion: 91 Resp: 50040

Ion Ratio Lower Upper

91 100

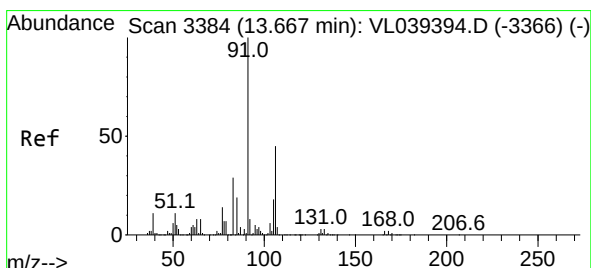
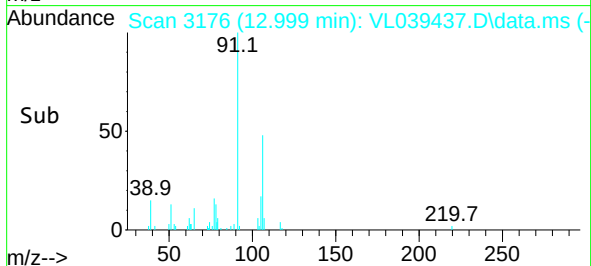
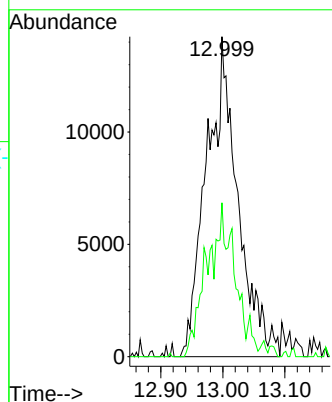
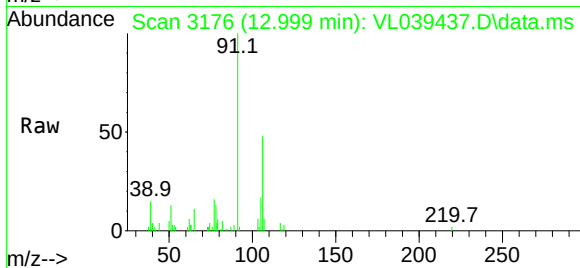
106 44.3 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022

Supervised By :Mahesh Dadoda 07/07/2022



#60

o-Xylene

Concen: 0.077 ppbv m

RT: 13.709 min Scan# 3397

Delta R.T. 0.042 min

Lab File: VL039437.D

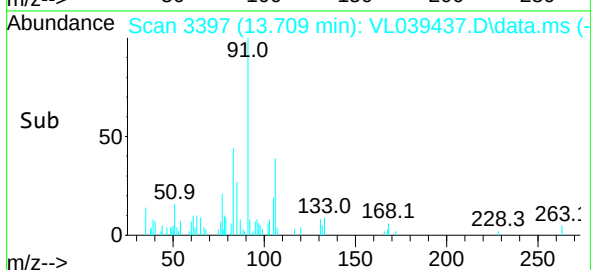
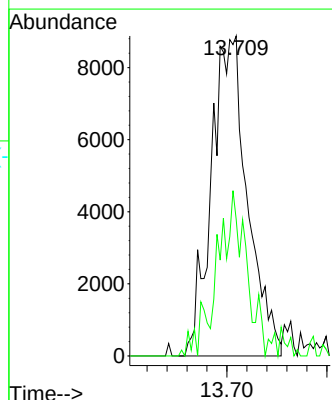
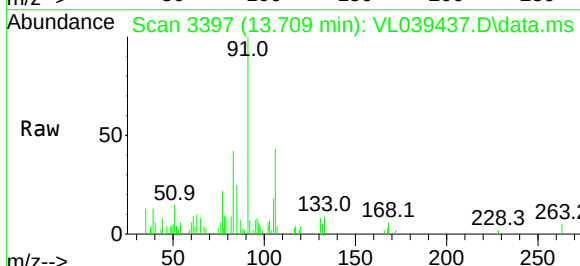
Acq: 6 Jul 2022 3:07

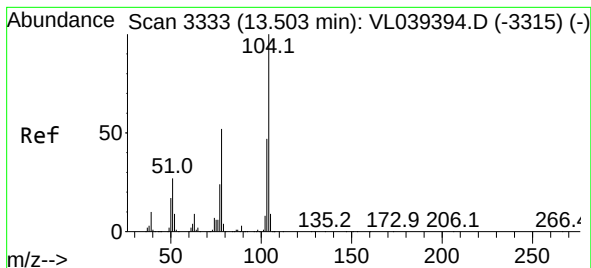
Tgt Ion: 91 Resp: 22345

Ion Ratio Lower Upper

91 100

106 45.4 22.4 67.3





#61

Styrene

Concen: 0.071 ppbv m

RT: 13.532 min Scan# 3333

Delta R.T. 0.029 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

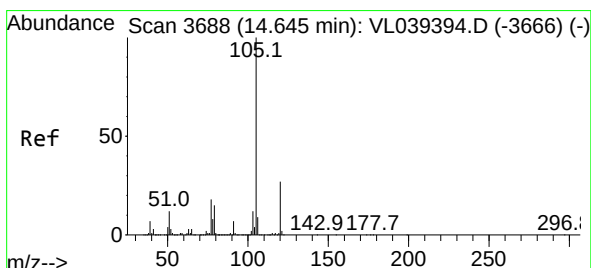
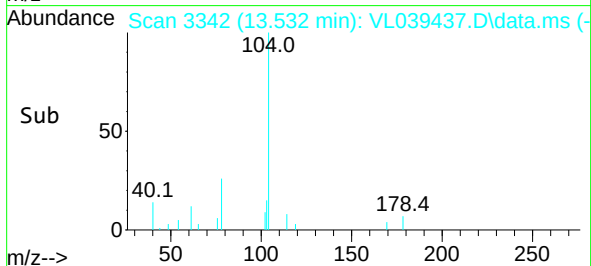
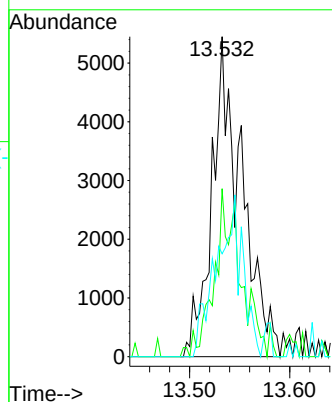
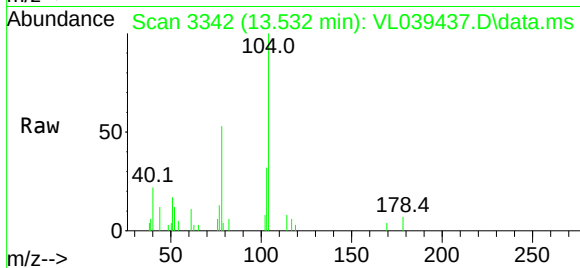
MDL-AIR-03-QT2-2022

Tgt Ion:	104	Resp:	1121
Ion Ratio	Lower	Upper	
104	100		
78	0.0	41.2	61.8
103	0.0	38.7	58.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#62

Isopropylbenzene

Concen: 0.097 ppbv m

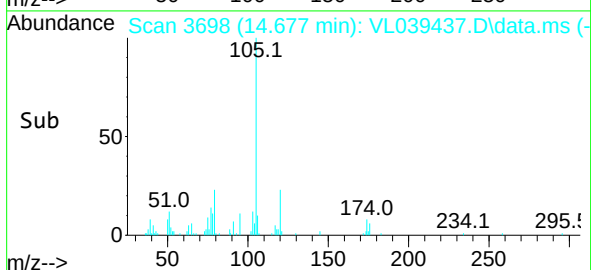
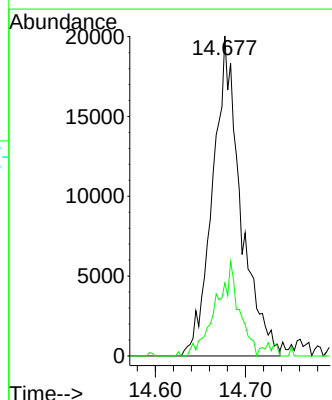
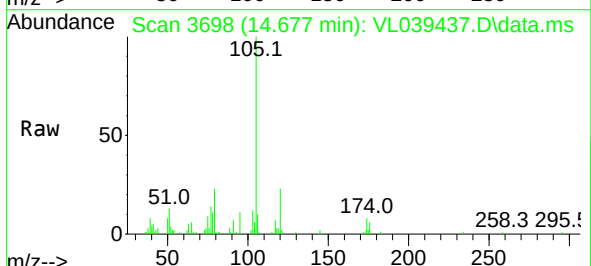
RT: 14.677 min Scan# 3698

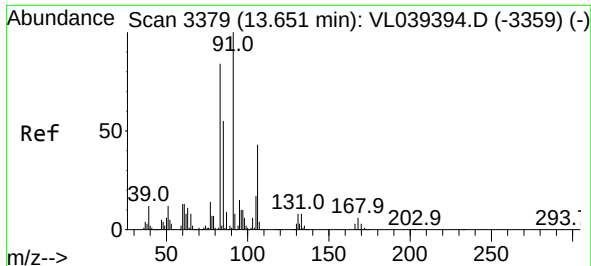
Delta R.T. 0.032 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

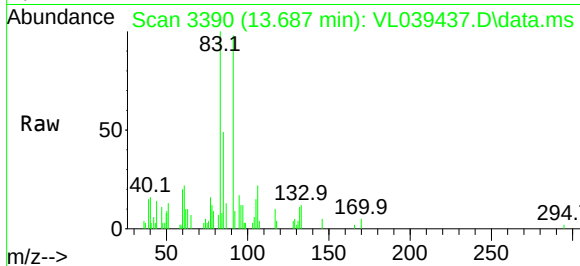
Tgt Ion:	105	Resp:	43186
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.7	31.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.106 ppbv m
RT: 13.687 min Scan# 3379
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

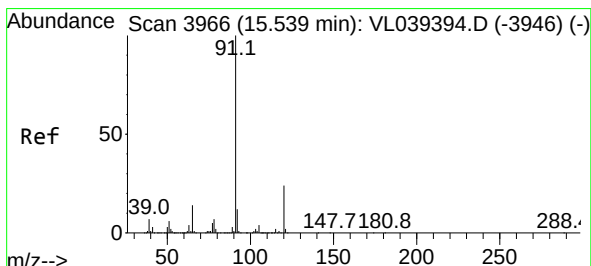
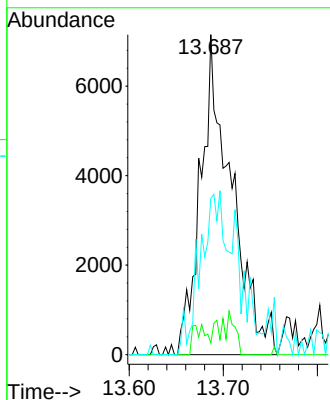
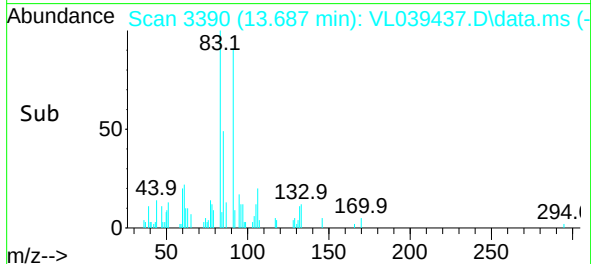
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT2-2022



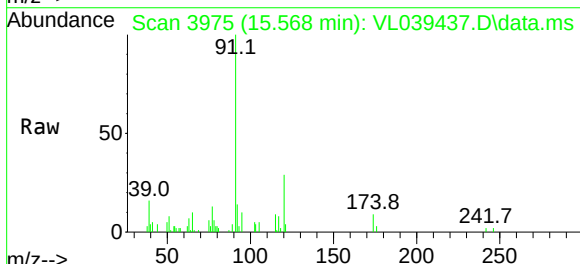
Tgt Ion: 83 Resp: 16189
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8
85 0.0 33.1 99.5

Manual Integrations
APPROVED

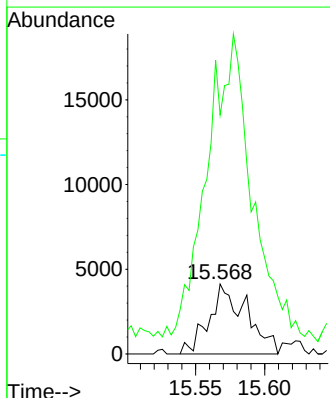
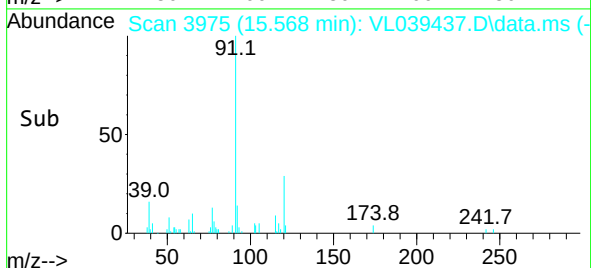
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

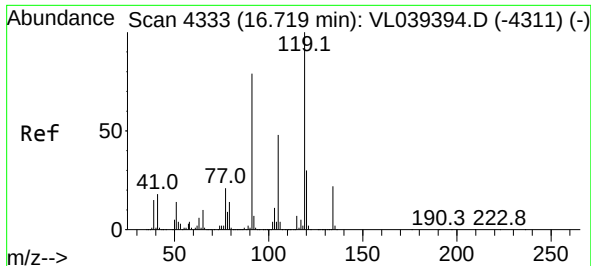


#64
n-propylbenzene
Concen: 0.069 ppbv m
RT: 15.568 min Scan# 3975
Delta R.T. 0.029 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



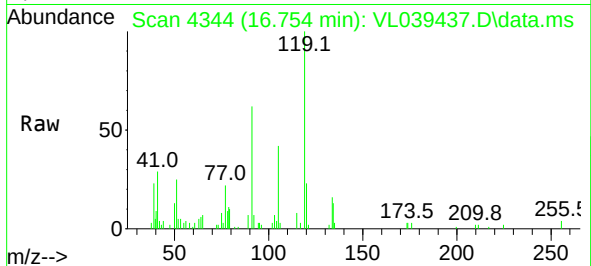
Tgt Ion:120 Resp: 7787
Ion Ratio Lower Upper
120 100
91 632.4 367.2 550.8





#65
tert-Butylbenzene
Concen: 0.080 ppbv m
RT: 16.754 min Scan# 41
Delta R.T. 0.035 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

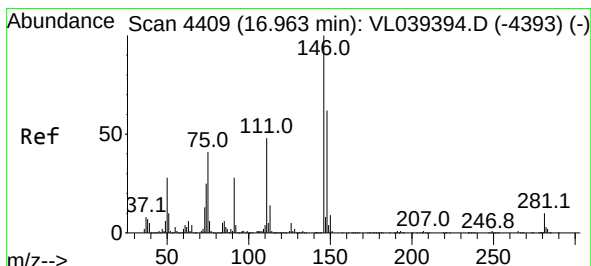
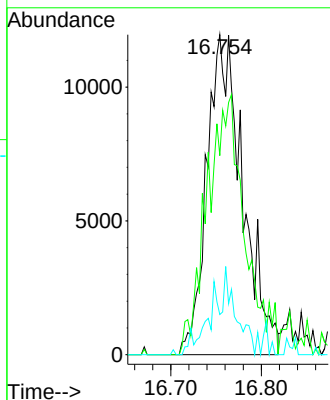
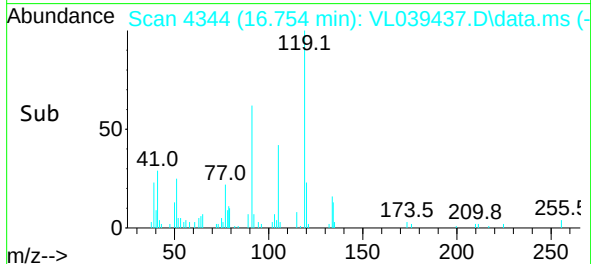
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



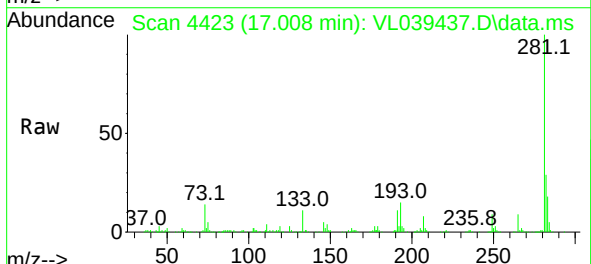
Tgt Ion: 119 Resp: 3295
Ion Ratio Lower Upper
119 100
91 85.3 63.4 95.2
134 21.0 15.9 23.9

Manual Integrations
APPROVED

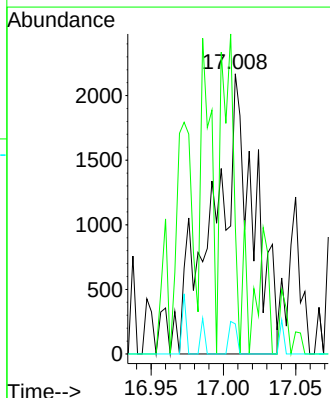
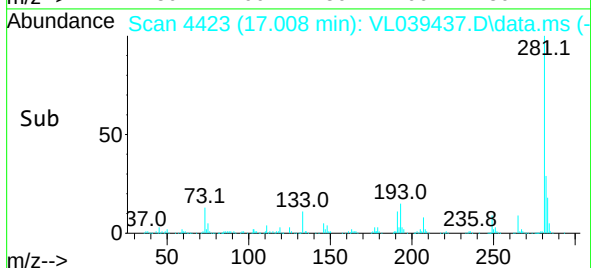
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

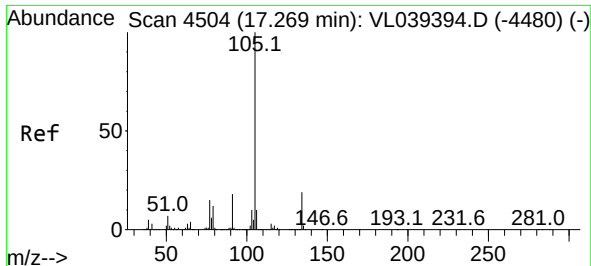


#66
Benzyl Chloride
Concen: 0.105 ppbv m
RT: 17.008 min Scan# 4423
Delta R.T. 0.045 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



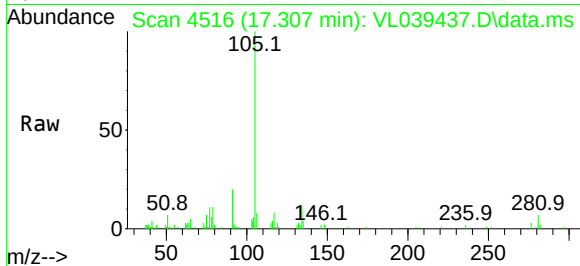
Tgt Ion: 91 Resp: 4098
Ion Ratio Lower Upper
91 100
126 125.2 13.1 19.7#
128 2.3 4.4 6.6#





#67
 sec-Butylbenzene
 Concen: 0.091 ppbv m
 RT: 17.307 min Scan# 4516
 Delta R.T. 0.039 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

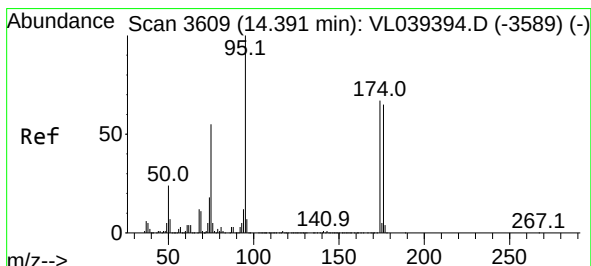
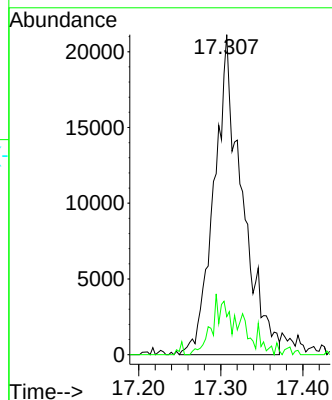
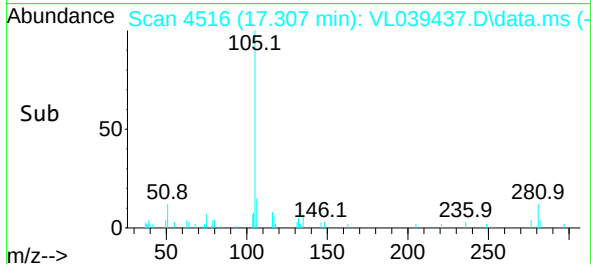
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022



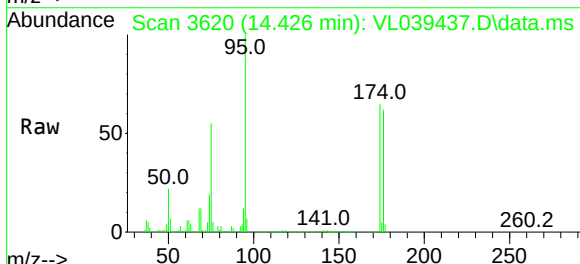
Tgt Ion:105 Resp: 5002
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.8 22.2

Manual Integrations
 APPROVED

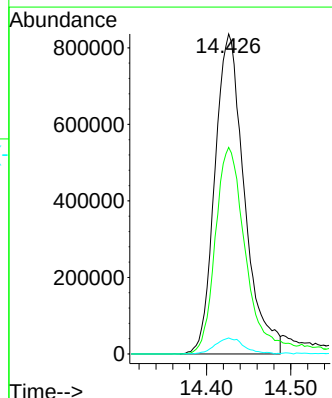
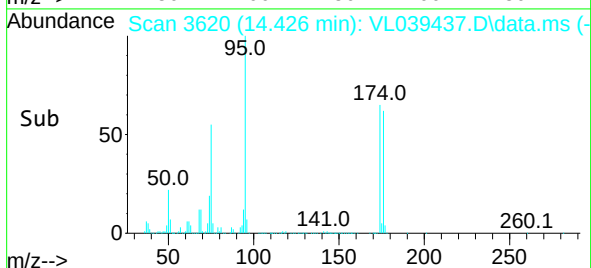
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

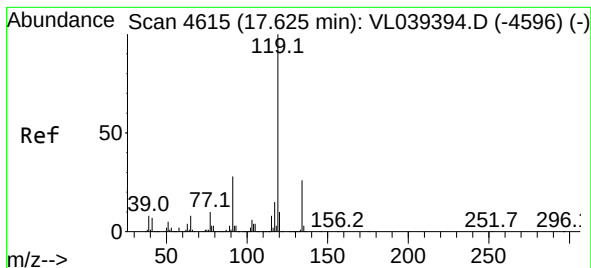


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.141 ppbv
 RT: 14.426 min Scan# 3620
 Delta R.T. 0.035 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07



Tgt Ion: 95 Resp: 2031504
 Ion Ratio Lower Upper
 95 100
 174 71.1 55.9 83.9
 175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.071 ppbv m

RT: 17.664 min Scan# 4627

Delta R.T. 0.039 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

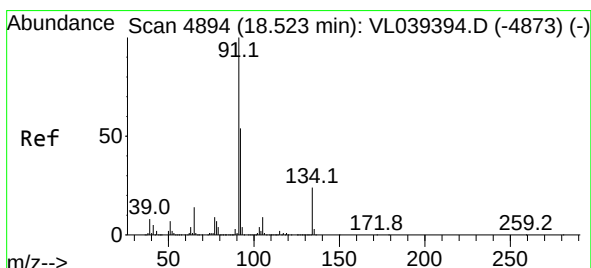
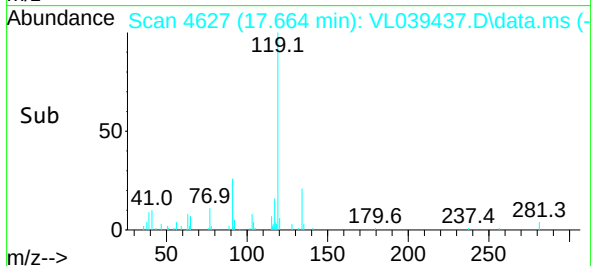
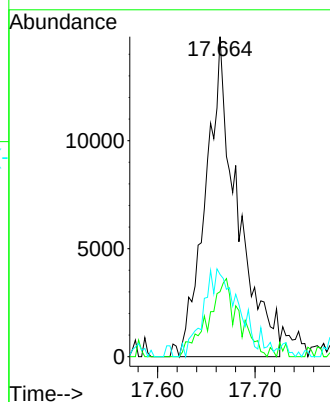
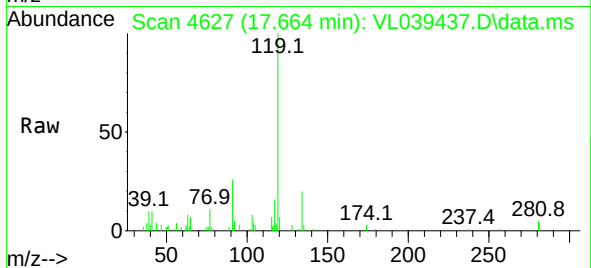
Tgt Ion: 119 Resp: 33270

Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.3	30.5
91	0.0	22.9	34.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#70

n-Butylbenzene

Concen: 0.071 ppbv m

RT: 18.568 min Scan# 4908

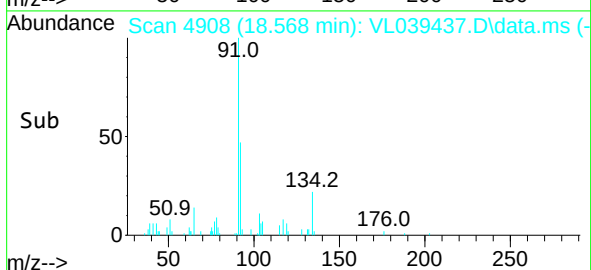
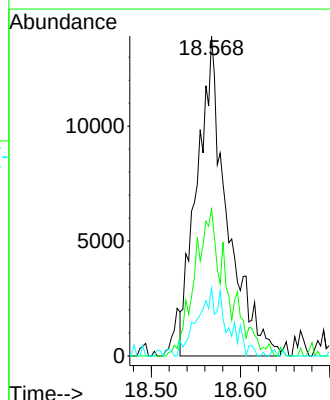
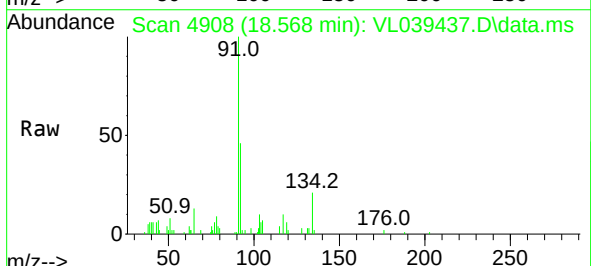
Delta R.T. 0.045 min

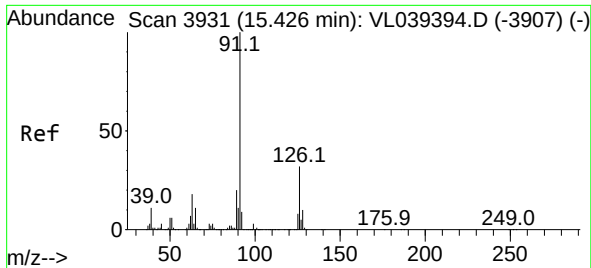
Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Tgt Ion: 91 Resp: 32423

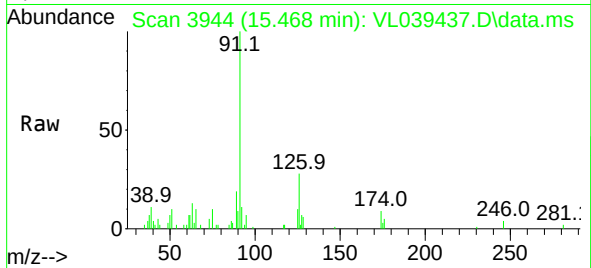
Ion	Ratio	Lower	Upper
91	100		
92	50.5	43.4	65.2
134	21.6	18.9	28.3





#71
2-Chlorotoluene
Concen: 0.096 ppbv m
RT: 15.468 min Scan# 3931
Delta R.T. 0.042 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

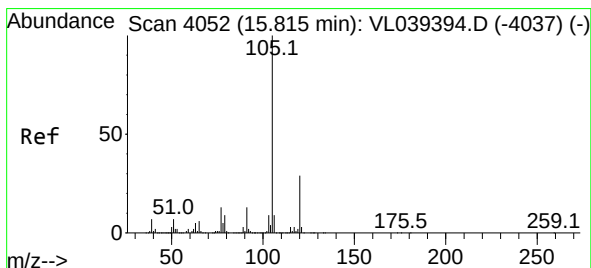
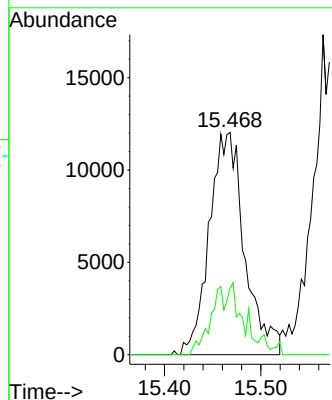
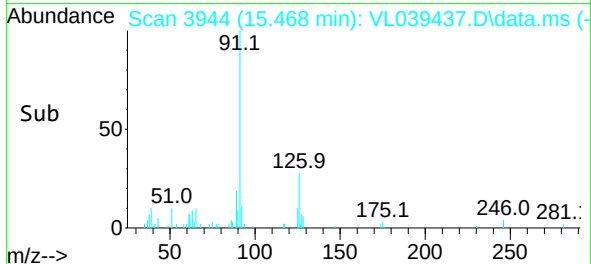
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



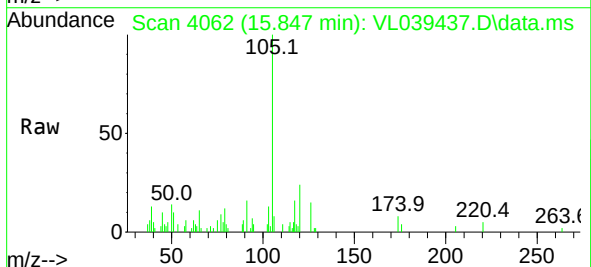
Tgt Ion: 91 Resp: 30539
Ion Ratio Lower Upper
91 100
126 29.3 13.0 51.8

Manual Integrations
APPROVED

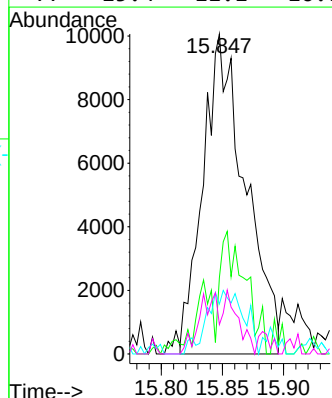
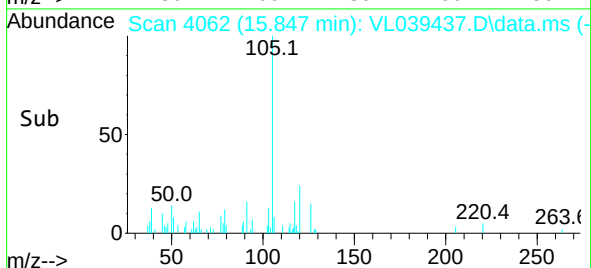
Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022

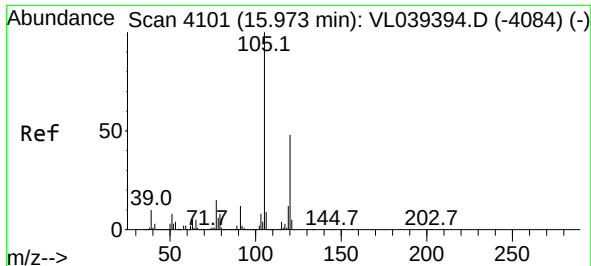


#72
4-Ethyltoluene
Concen: 0.071 ppbv m
RT: 15.847 min Scan# 4062
Delta R.T. 0.032 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



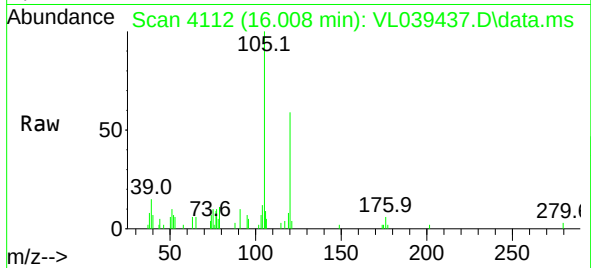
Tgt Ion:105 Resp: 24186
Ion Ratio Lower Upper
105 100
120 34.2 24.2 36.2
91 19.5 10.2 15.4#
77 15.4 11.1 16.7





#73
 1,3,5-Trimethylbenzene
 Concen: 0.076 ppbv m
 RT: 16.008 min Scan# 4101
 Delta R.T. 0.035 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07

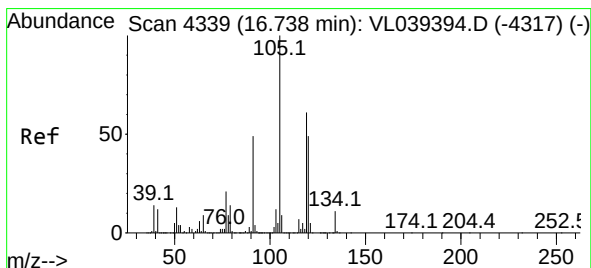
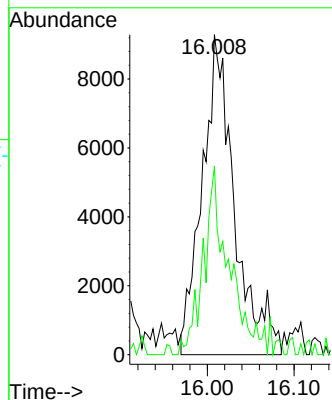
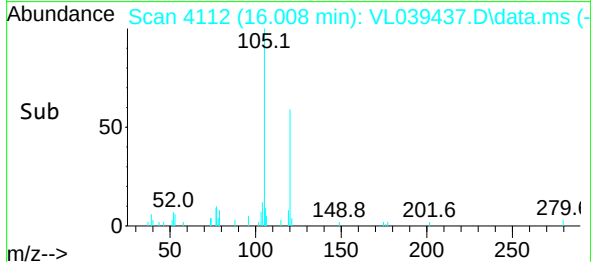
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2022



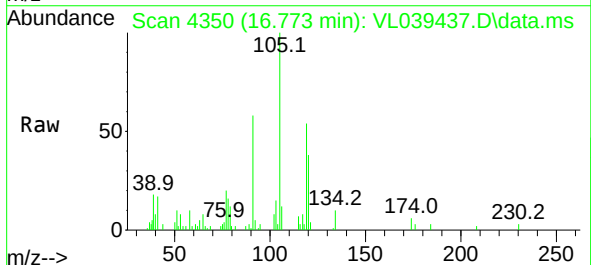
Tgt Ion:105 Resp: 23992
 Ion Ratio Lower Upper
 105 100
 120 59.0 38.2 57.4

Manual Integrations
 APPROVED

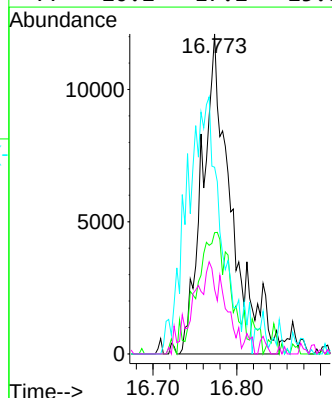
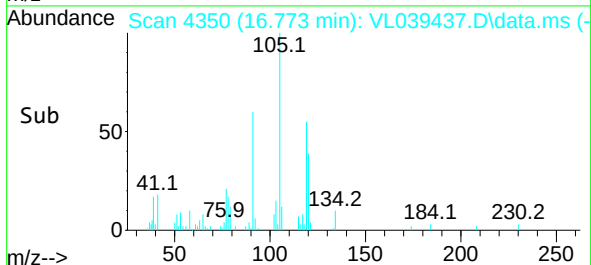
Reviewed By :Semsettin Yesilyurt 07/07/2022
 Supervised By :Mahesh Dadoda 07/07/2022

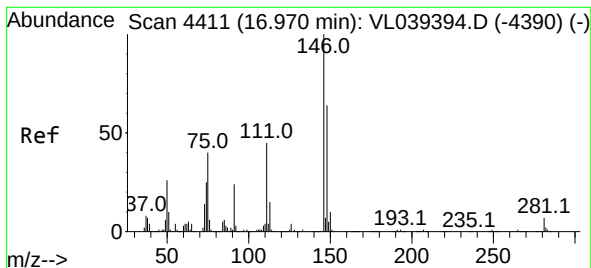


#74
 1,2,4-Trimethylbenzene
 Concen: 0.084 ppbv m
 RT: 16.773 min Scan# 4350
 Delta R.T. 0.035 min
 Lab File: VL039437.D
 Acq: 6 Jul 2022 3:07



Tgt Ion:105 Resp: 29348
 Ion Ratio Lower Upper
 105 100
 120 37.9 39.5 59.3#
 91 58.4 39.2 58.8
 77 20.2 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 0.125 ppbv m

RT: 17.011 min Scan# 4411

Delta R.T. 0.042 min

Lab File: VL039437.D

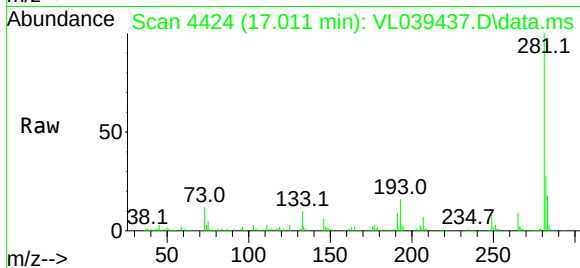
Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT2-2022

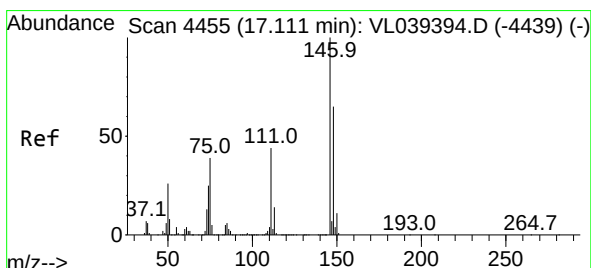
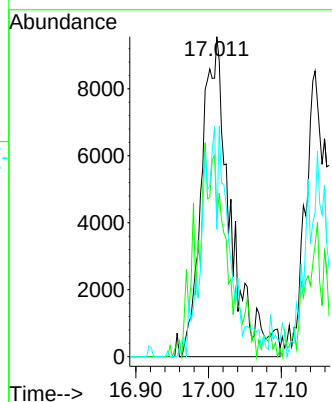


Tgt Ion:	146	Resp:	25910
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.9	68.7
148	69.3	32.1	96.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#76

1,4-Dichlorobenzene

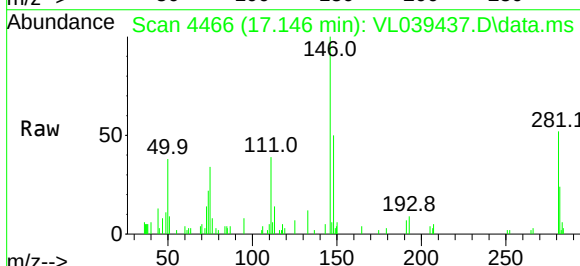
Concen: 0.108 ppbv m

RT: 17.146 min Scan# 4466

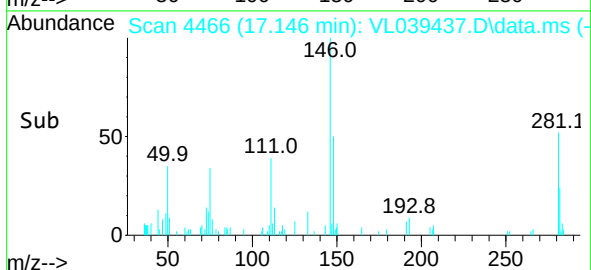
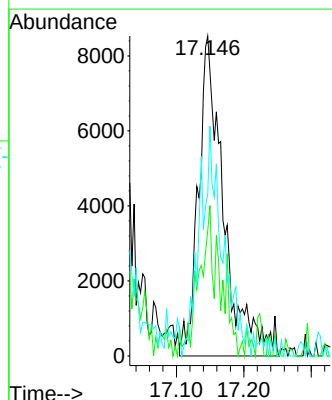
Delta R.T. 0.035 min

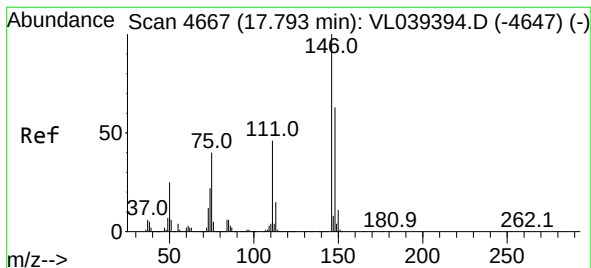
Lab File: VL039437.D

Acq: 6 Jul 2022 3:07



Tgt Ion:	146	Resp:	22165
Ion Ratio	Lower	Upper	
146	100		
111	0.0	22.9	68.8
148	0.0	33.6	100.8





#77

1,2-Dichlorobenzene

Concen: 0.113 ppbv m

RT: 17.841 min Scan# 4667

Delta R.T. 0.048 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

Instrument :

MSVOA_L

ClientSampleId :

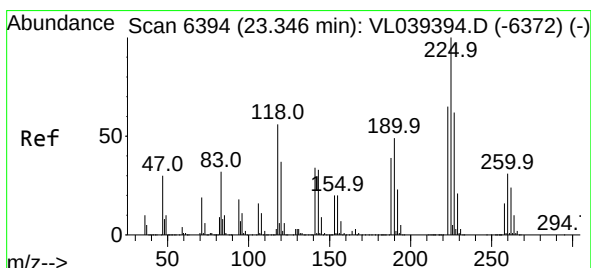
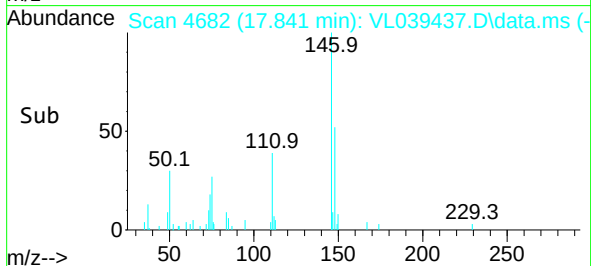
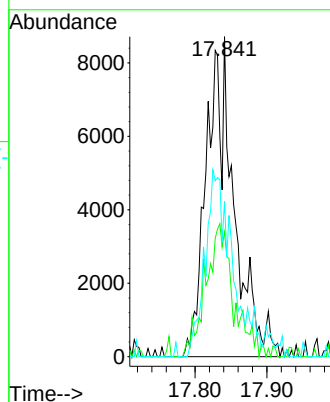
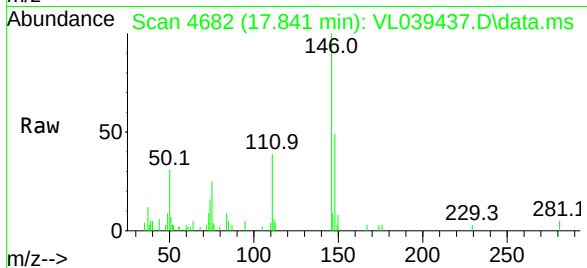
MDL-AIR-03-QT2-2022

Tgt Ion:	146	Resp:	2314
Ion Ratio	Lower	Upper	
146	100		
111	42.0	23.8	71.5
148	0.0	32.3	96.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#78

Hexachloro-1,3-Butadiene

Concen: 0.121 ppbv m

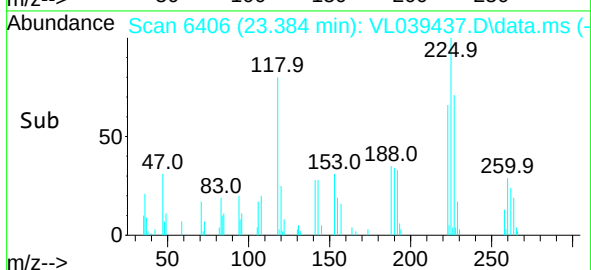
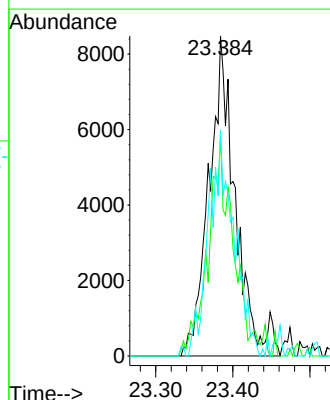
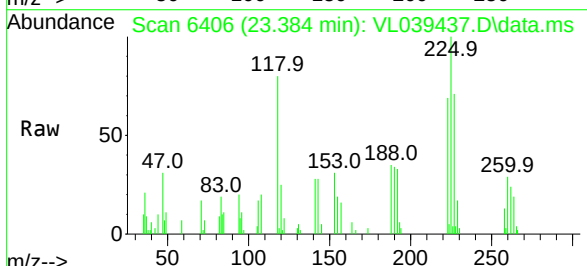
RT: 23.384 min Scan# 6406

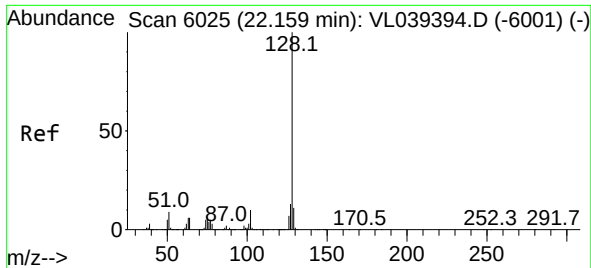
Delta R.T. 0.039 min

Lab File: VL039437.D

Acq: 6 Jul 2022 3:07

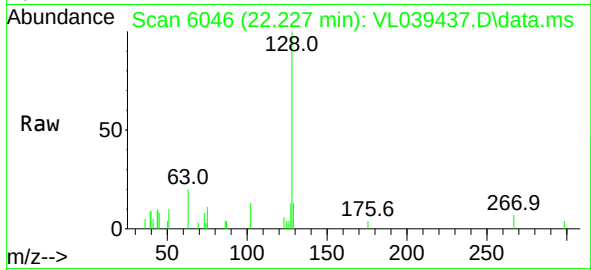
Tgt Ion:	225	Resp:	20010
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.8	77.6#
227	0.0	51.4	77.2#





#79
Naphthalene
Concen: 0.056 ppbv m
RT: 22.227 min Scan# 6025
Delta R.T. 0.068 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07

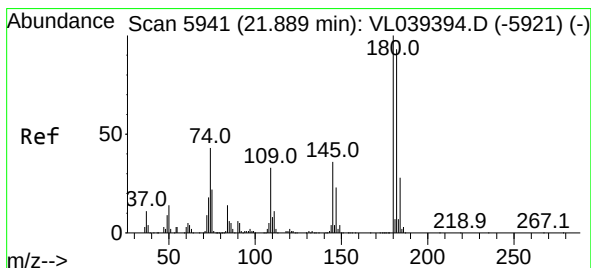
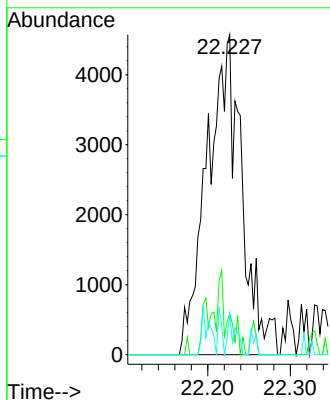
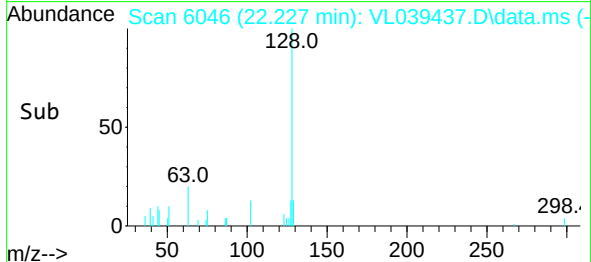
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT2-2022



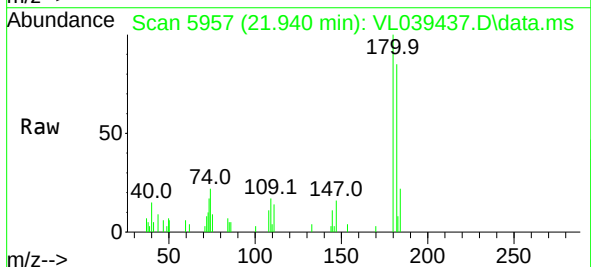
Tgt Ion:128 Resp: 13378
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 12.8 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/07/2022
Supervised By :Mahesh Dadoda 07/07/2022



#81
1,2,4-Trichlorobenzene
Concen: 0.078 ppbv m
RT: 21.940 min Scan# 5957
Delta R.T. 0.051 min
Lab File: VL039437.D
Acq: 6 Jul 2022 3:07



Tgt Ion:180 Resp: 12184
Ion Ratio Lower Upper
180 100
182 0.0 77.1 115.7#
184 0.0 24.3 36.5#

