

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040575.D
 Acq On : 31 Jul 2023 16:38
 Operator : SY/MD
 Sample : 03572-15 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:40:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 01:40:08 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1130203	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2761987	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2470113	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2059434	10.535	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	21029	0.093	ppbv	95
3) Chlorodifluoromethane	2.665	51	18149	0.101	ppbv	97
4) Chloromethane	2.796	50	6135m	0.086	ppbv	
5) Vinyl Chloride	2.902	62	5689m	0.076	ppbv	
6) Bromomethane	3.118	94	3316m	0.105	ppbv	
7) Chloroethane	3.185	64	2998m	0.115	ppbv	
8) Dichlorotetrafluoroethane	2.841	85	16876	0.091	ppbv	91
9) Propene	2.687	41	9296	0.152	ppbv	91
10) Heptane	7.574	43	5812m	0.043	ppbv	
11) Trichlorofluoromethane	3.549	101	18991m	0.104	ppbv	
12) 1,1,2-Trichlorotrifluoro...	4.057	101	13959	0.109	ppbv	97
13) Ethanol	3.256	45	2408m	0.180	ppbv	
14) Bromoethene	3.353	108	4886m	0.088	ppbv	
15) Acetone	3.481	43	24207	0.186	ppbv #	84
16) 1,3-Butadiene	2.973	39	8098m	0.123	ppbv	
17) tert-Butyl alcohol	3.893	59	14107m	0.105	ppbv	
18) 1,1-Dichloroethene	3.874	96	6039m	0.102	ppbv	
19) Isopropyl Alcohol	3.591	45	8538m	0.114	ppbv	
20) Methylene Chloride	3.919	84	30889	0.558	ppbv #	94
21) Allyl Chloride	3.983	41	6927m	0.093	ppbv	
22) trans-1,2-Dichloroethene	4.430	96	6057m	0.104	ppbv	
23) Vinyl Acetate	4.636	43	14098m	0.114	ppbv	
24) 1,1-Dichloroethane	4.552	63	13102	0.104	ppbv	98
25) Ethyl Acetate	5.208	43	25008	0.101	ppbv #	96
26) Hexane	5.205	57	14402	0.125	ppbv #	70
27) Carbon Disulfide	4.115	76	13016m	0.096	ppbv	
28) Methyl tert-Butyl Ether	4.594	73	8670m	0.094	ppbv	
29) Chloroform	5.259	83	17759m	0.093	ppbv	
30) Cyclohexane	6.607	84	3871m	0.040	ppbv	
31) cis-1,2-Dichloroethene	5.063	61	8254m	0.073	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	16546m	0.089	ppbv	
34) 2-Butanone	4.803	43	13939m	0.102	ppbv	
35) Carbon Tetrachloride	6.481	117	15435m	0.093	ppbv	
36) Benzene	6.369	78	15191m	0.068	ppbv	
37) 1,2-Dichloroethane	5.800	62	11853m	0.091	ppbv	
38) Trichloroethene	7.279	130	6636m	0.079	ppbv	
39) 1,2-Dichloropropane	7.066	63	8122m	0.095	ppbv	
40) 1,4-Dioxane	7.320	88	1779m	0.066	ppbv	
41) Tetrahydrofuran	5.584	42	3921m	0.049	ppbv	
42) Bromodichloromethane	7.237	83	15447m	0.085	ppbv	
43) Methyl Methacrylate	7.471	69	3686m	0.044	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	18727m	0.052	ppbv	
45) t-1,3-Dichloropropene	8.709	75	2059m	0.039	ppbv	

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :
 MDL-AIR-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/01/2023
 Supervised By : Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:40:08 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

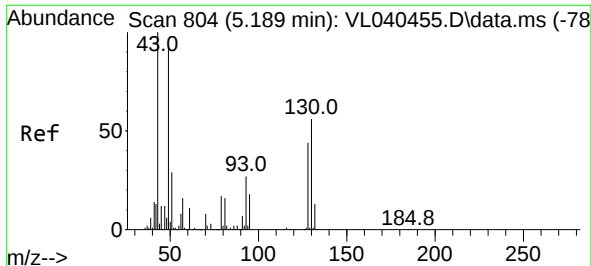
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

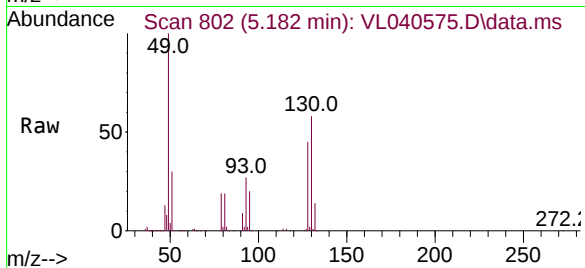
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	3364m	0.049	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	7791m	0.083	ppbv	
48) Dibromochloromethane	9.703	129	9614m	0.066	ppbv	
49) Bromoform	12.407	173	7426m	0.064	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	11141m	0.056	ppbv	
51) 2-Hexanone	9.584	43	7082m	0.051	ppbv	
52) Tetrachloroethene	10.603	164	5008m	0.070	ppbv	
53) Toluene	9.221	91	11069m	0.046	ppbv	
54) 1,2-Dibromoethane	9.995	107	7524m	0.064	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.507	131	9667m	0.087	ppbv	
57) Chlorobenzene	11.523	112	17547m	0.091	ppbv	
58) Ethyl Benzene	12.085	91	13740m	0.044	ppbv	
59) m/p-Xylene	12.368	91	22778m	0.082	ppbv	
60) o-Xylene	13.053	91	10677m	0.041	ppbv	
61) Styrene	12.883	104	4661m	0.038	ppbv	
62) Isopropylbenzene	14.031	105	22149m	0.056	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.050	83	14958m	0.081	ppbv	
64) n-propylbenzene	14.902	120	3976m	0.039	ppbv	
65) tert-Butylbenzene	16.085	119	14011m	0.040	ppbv	
66) Benzyl Chloride	16.365	91	2547m	0.103	ppbv	
67) sec-Butylbenzene	16.635	105	23645m	0.046	ppbv	
69) p-Isopropyltoluene	17.005	119	15834m	0.037	ppbv	
70) n-Butylbenzene	17.899	91	19756m	0.042	ppbv	
71) 2-Chlorotoluene	14.812	91	15330m	0.050	ppbv	
72) 4-Ethyltoluene	15.195	105	10354m	0.034	ppbv	
73) 1,3,5-Trimethylbenzene	15.343	105	10194m	0.037	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	11936m	0.038	ppbv	
75) 1,3-Dichlorobenzene	16.339	146	13520m	0.070	ppbv	
76) 1,4-Dichlorobenzene	16.481	146	13678m	0.072	ppbv	
77) 1,2-Dichlorobenzene	17.150	146	11582m	0.063	ppbv	
78) Hexachloro-1,3-Butadiene	22.632	225	13978m	0.081	ppbv	
79) Naphthalene	21.397	128	8291m	0.031	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	8065m	0.044	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.020 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

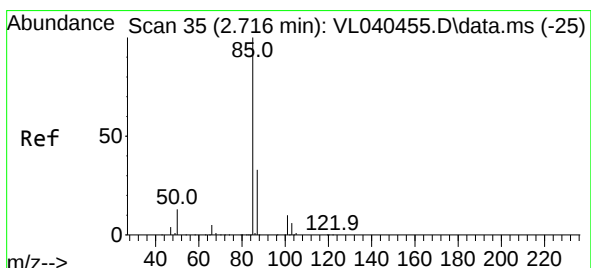
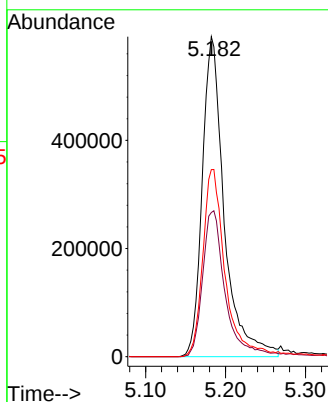
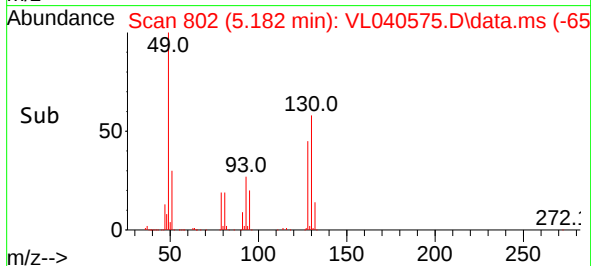
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 49 Resp: 113020
Ion Ratio Lower Upper
49 100
128 48.3 25.1 75.4
130 60.8 31.6 94.7

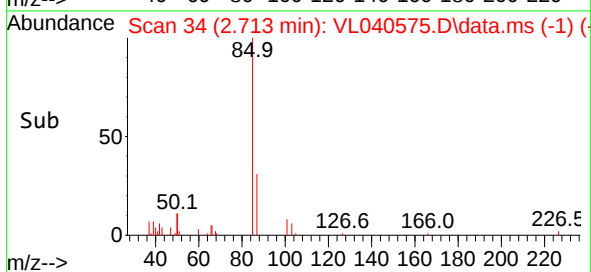
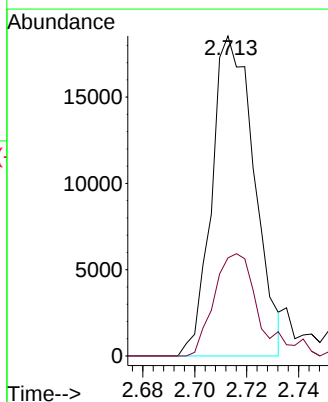
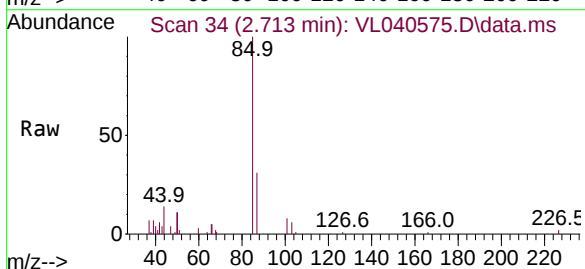
Manual Integrations
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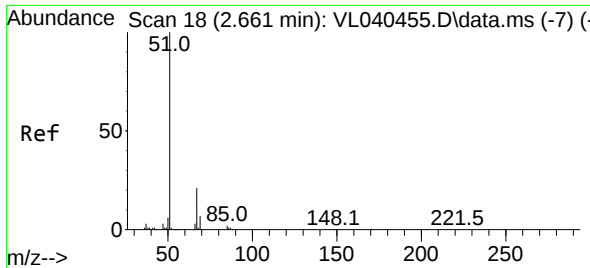
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#2
Dichlorodifluoromethane
Concen: 0.093 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.026 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 85 Resp: 21029
Ion Ratio Lower Upper
85 100
87 30.7 26.8 40.2





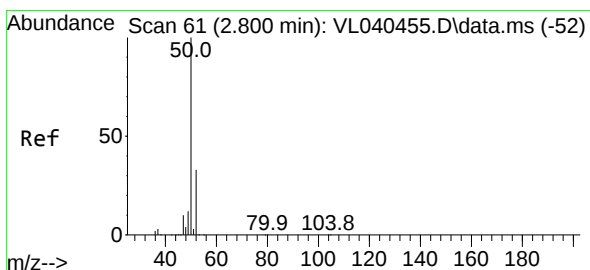
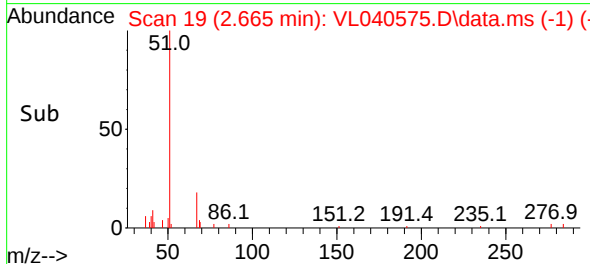
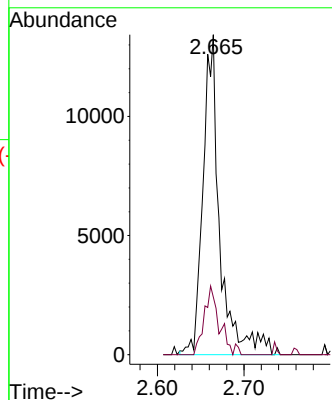
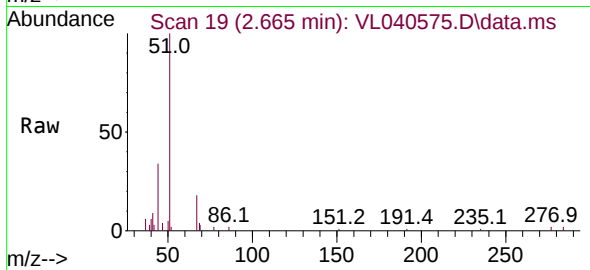
#3
Chlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.665 min Scan# 18
Delta R.T. -0.019 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023

Tgt Ion: 51 Resp: 18149
Ion Ratio Lower Upper
51 100
67 19.3 14.6 21.8

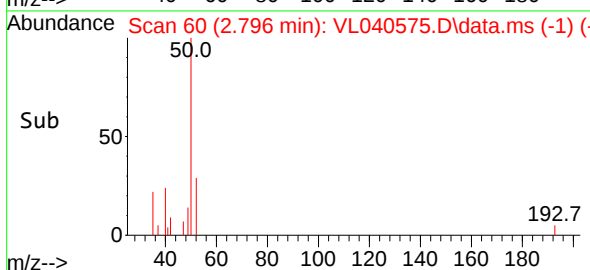
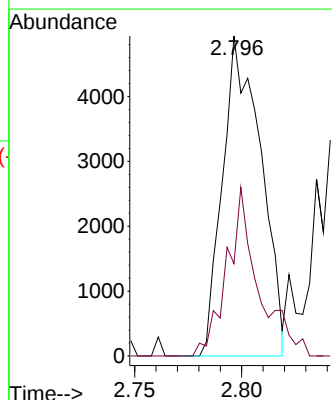
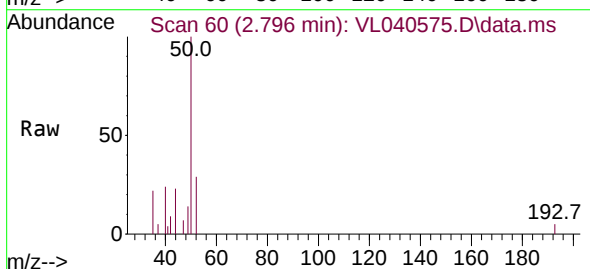
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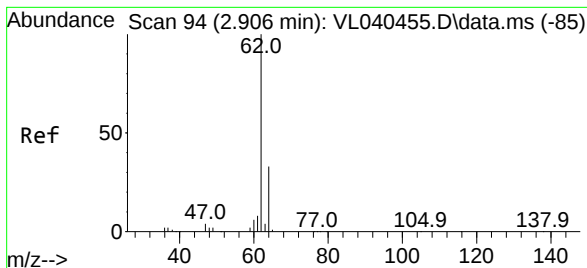
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#4
Chloromethane
Concen: 0.086 ppbv m
RT: 2.796 min Scan# 60
Delta R.T. -0.026 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

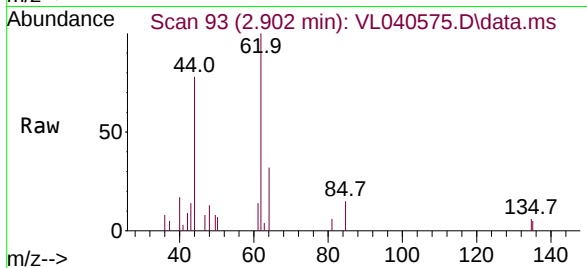
Tgt Ion: 50 Resp: 6135
Ion Ratio Lower Upper
50 100
52 28.9 24.4 36.6





#5
 Vinyl Chloride
 Concen: 0.076 ppbv m
 RT: 2.902 min Scan# 91
 Delta R.T. -0.026 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

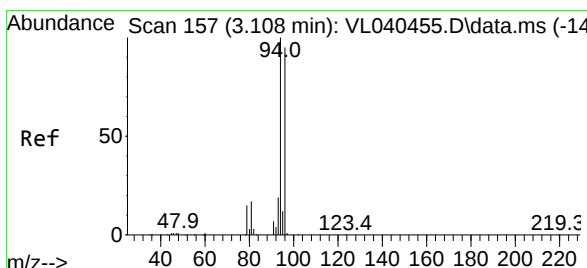
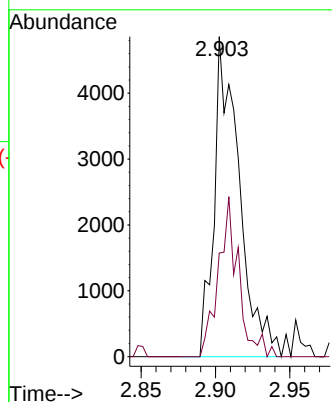
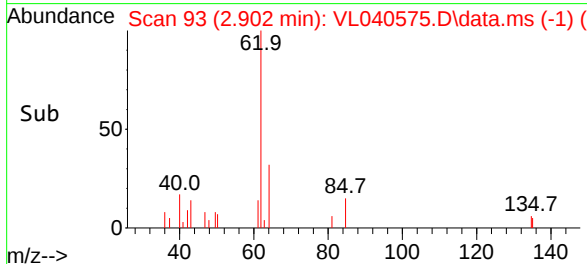
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 62 Resp: 5689
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.4 39.6

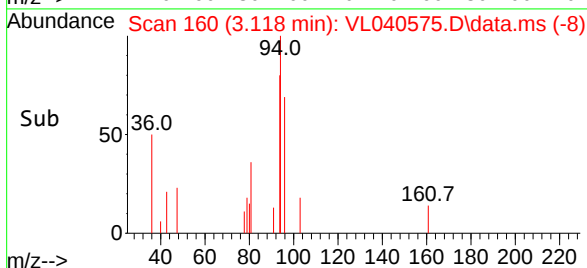
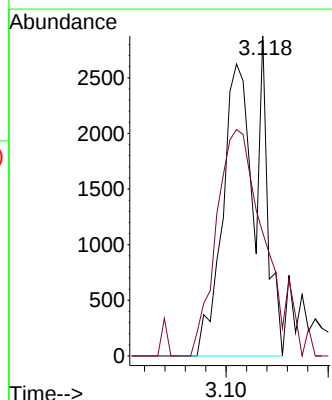
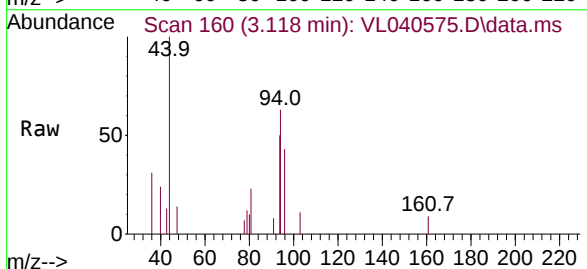
Manual Integrations
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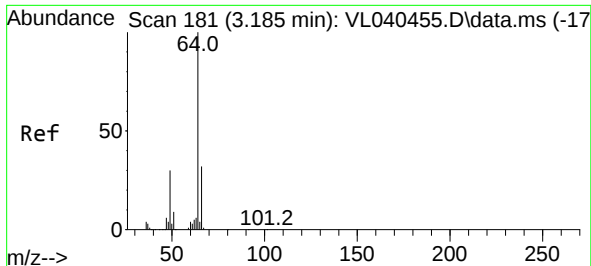
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#6
 Bromomethane
 Concen: 0.105 ppbv m
 RT: 3.118 min Scan# 160
 Delta R.T. -0.010 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

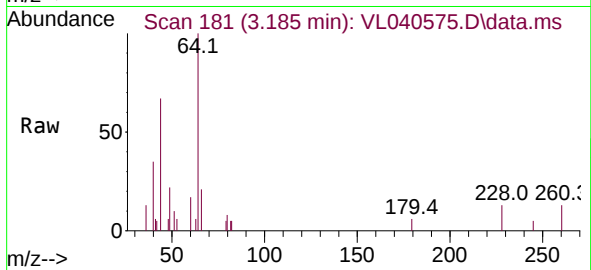
Tgt Ion: 94 Resp: 3316
 Ion Ratio Lower Upper
 94 100
 96 69.4 75.7 113.5#





#7
Chloroethane
Concen: 0.115 ppbv m
RT: 3.185 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

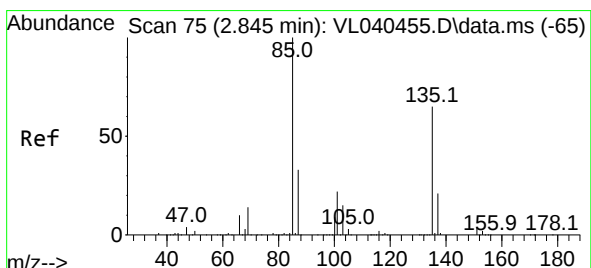
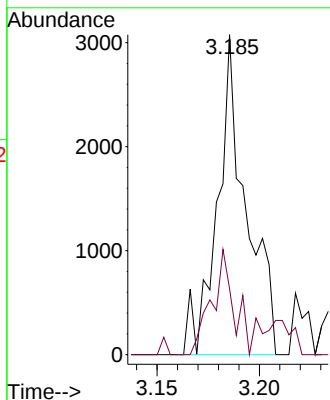
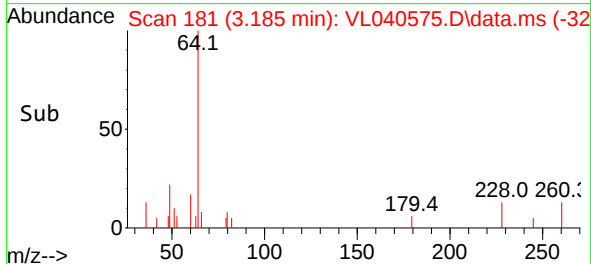
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 64 Resp: 2998
Ion Ratio Lower Upper
64 100
66 20.7 24.4 36.6

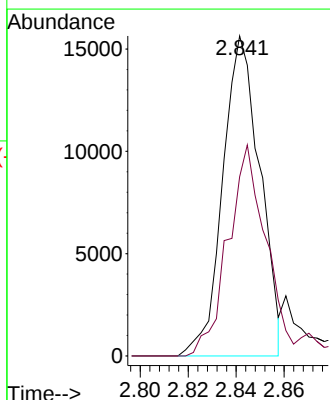
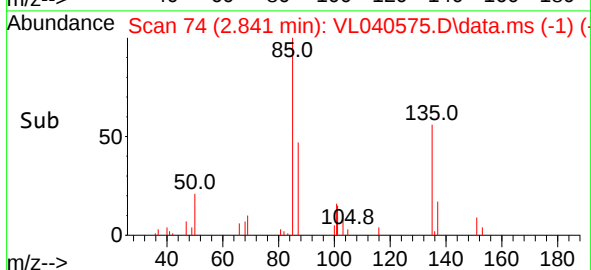
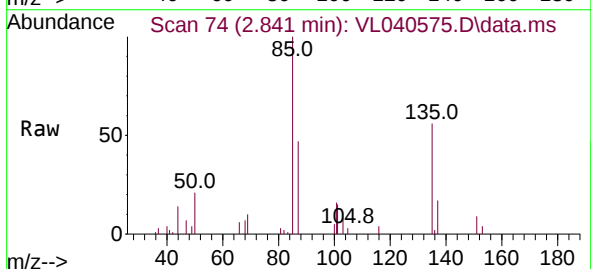
Manual Integrations
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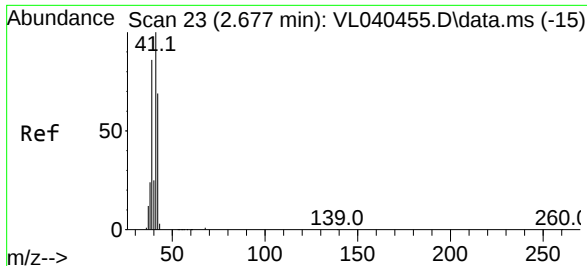
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#8
Dichlorotetrafluoroethane
Concen: 0.091 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.026 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

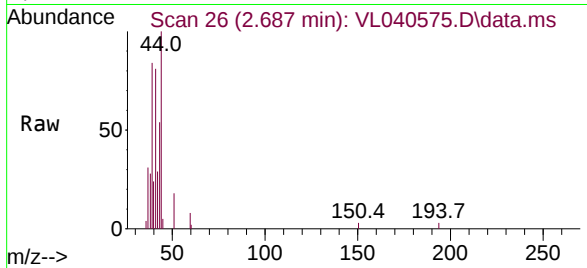
Tgt Ion: 85 Resp: 16876
Ion Ratio Lower Upper
85 100
135 72.9 52.4 78.6





#9
 Propene
 Concen: 0.152 ppbv
 RT: 2.687 min Scan# 21
 Delta R.T. -0.016 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

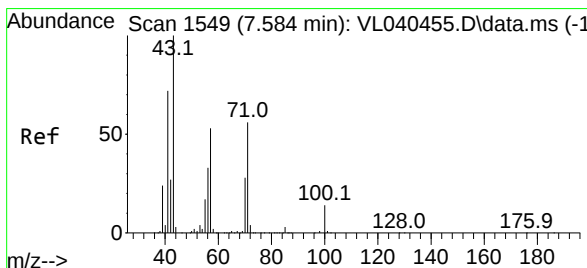
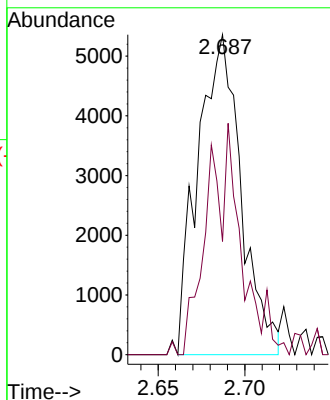
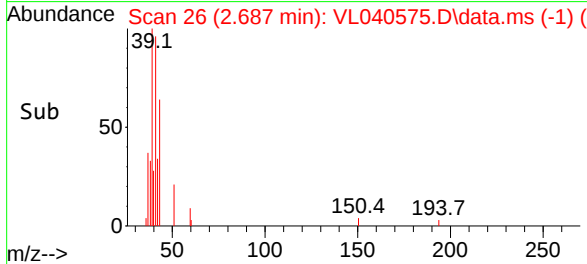
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 41 Resp: 9290
 Ion Ratio Lower Upper
 41 100
 42 61.5 55.0 82.6

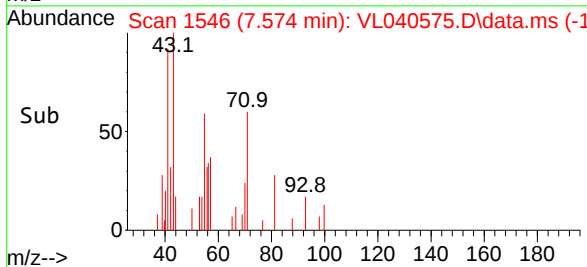
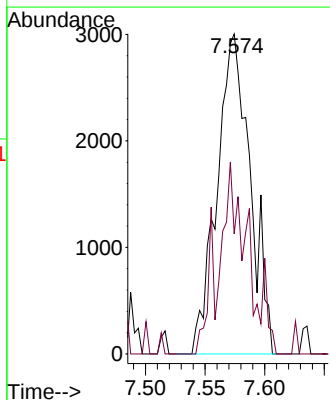
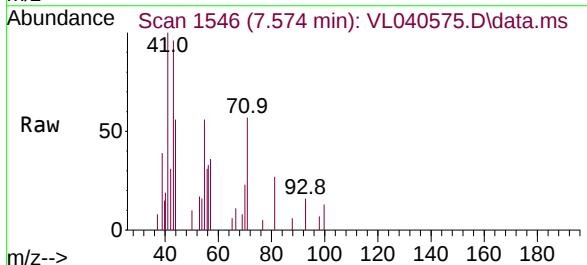
Manual Integrations
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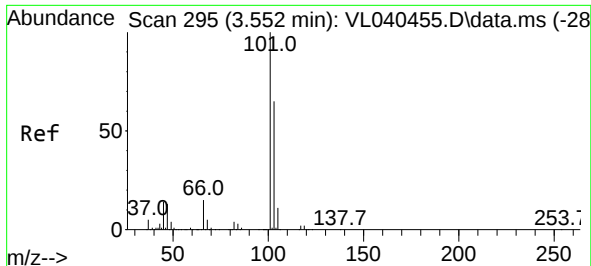
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#10
 Heptane
 Concen: 0.043 ppbv m
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.016 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

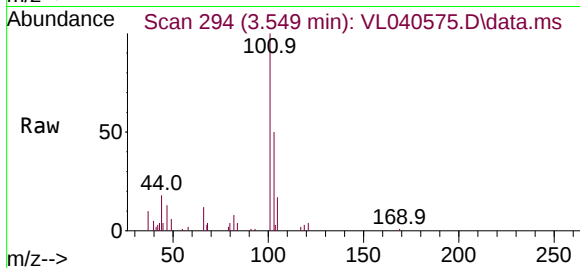
Tgt Ion: 43 Resp: 5812
 Ion Ratio Lower Upper
 43 100
 57 0.0 42.5 63.7#





#11
 Trichlorofluoromethane
 Concen: 0.104 ppbv m
 RT: 3.549 min Scan# 295
 Delta R.T. -0.023 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

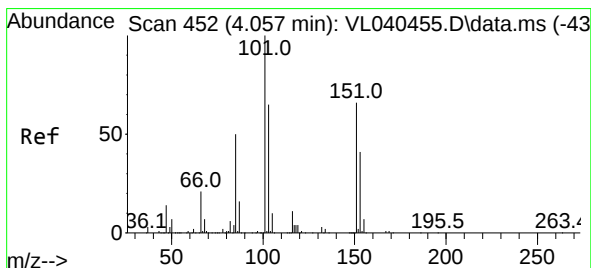
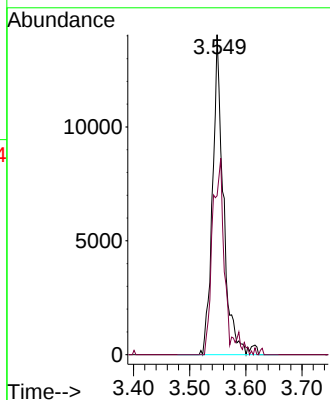
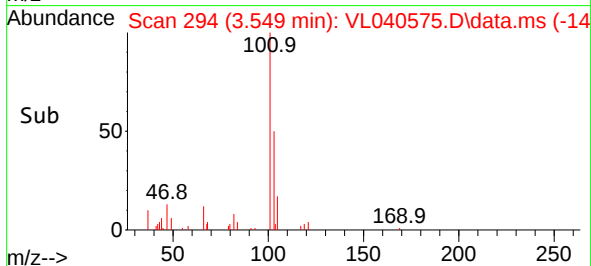
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



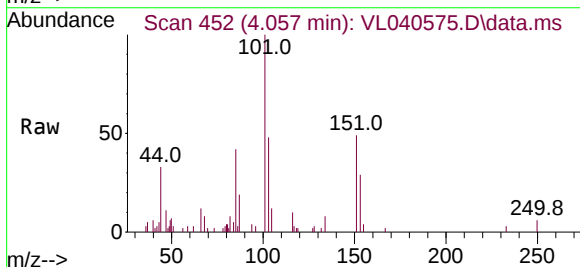
Tgt Ion:101 Resp: 1899
 Ion Ratio Lower Upper
 101 100
 103 49.6 53.4 80.0

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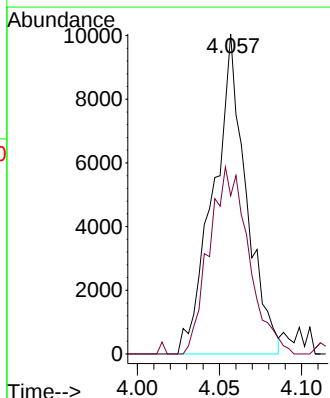
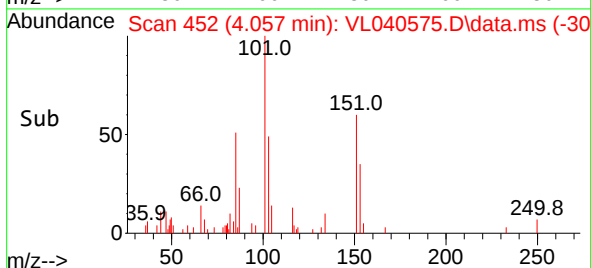
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

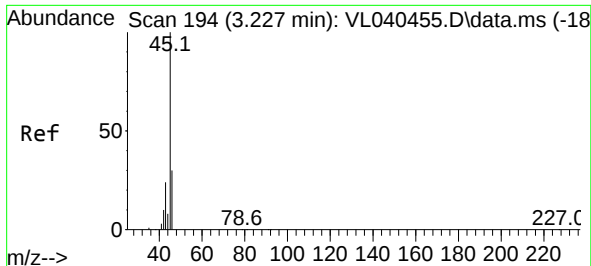


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.109 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. -0.016 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38



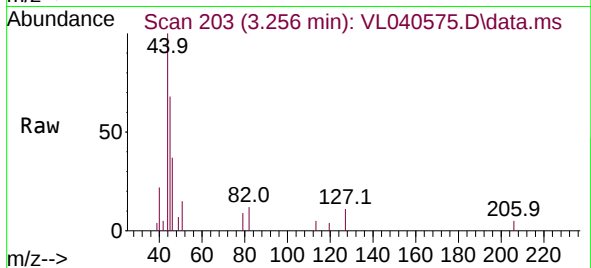
Tgt Ion:101 Resp: 13959
 Ion Ratio Lower Upper
 101 100
 151 70.6 58.2 87.4





#13
Ethanol
Concen: 0.180 ppbv m
RT: 3.256 min Scan# 203
Delta R.T. 0.010 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

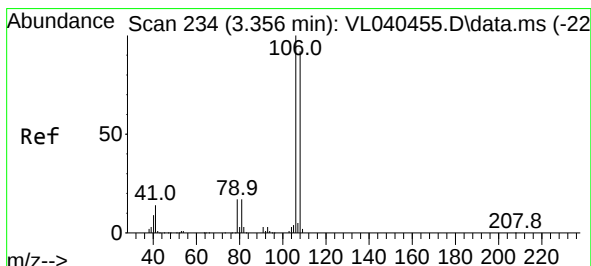
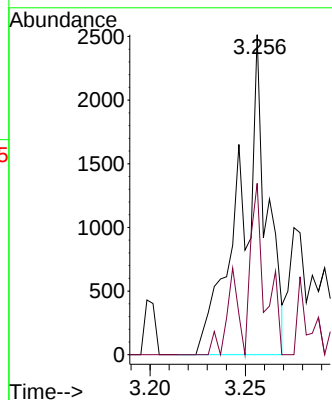
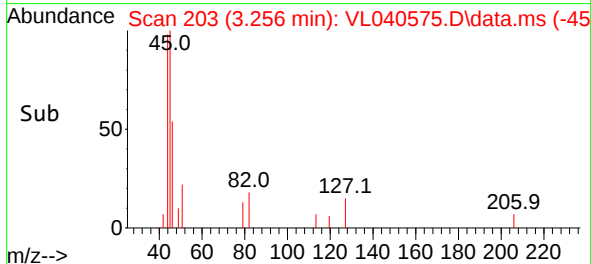
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



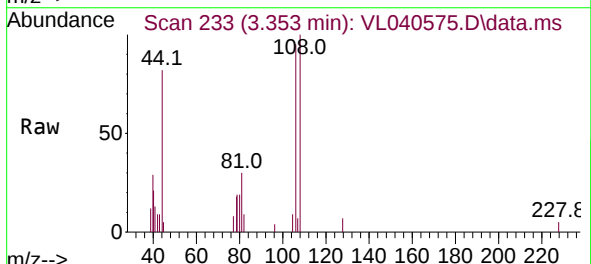
Tgt Ion: 45 Resp: 2408
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

Manual Integrations
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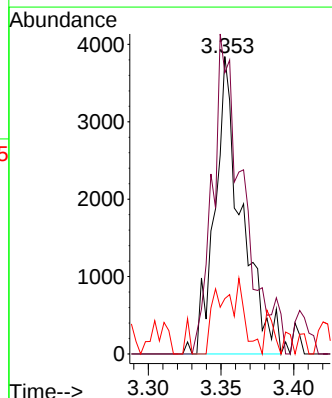
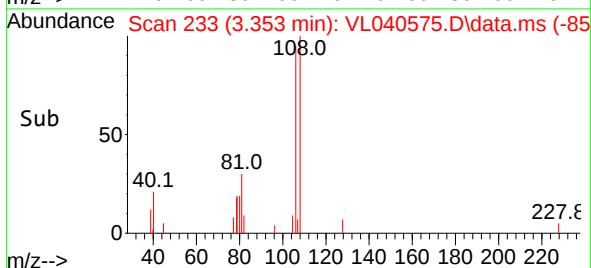
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

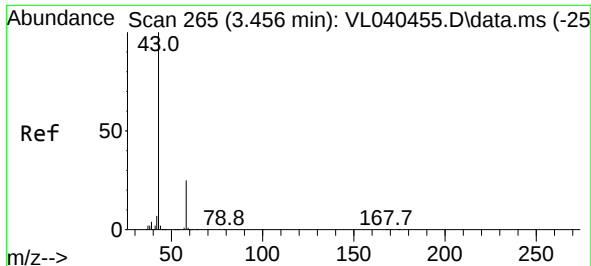


#14
Bromoethene
Concen: 0.088 ppbv m
RT: 3.353 min Scan# 233
Delta R.T. -0.023 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38



Tgt Ion:108 Resp: 4886
Ion Ratio Lower Upper
108 100
106 0.0 87.2 130.8#
79 34.6 15.3 22.9#





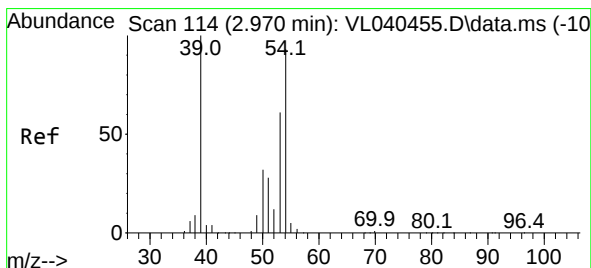
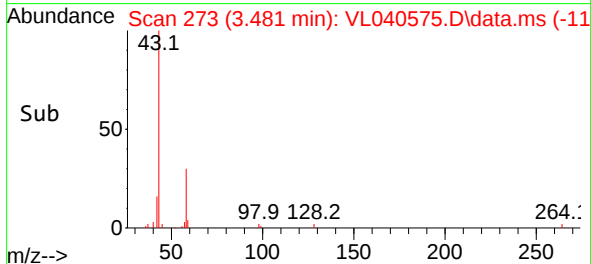
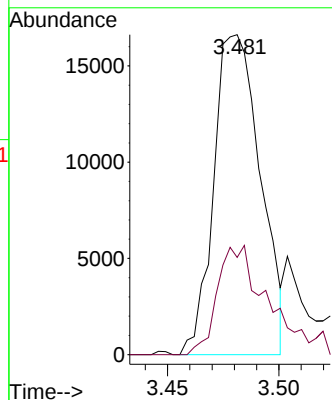
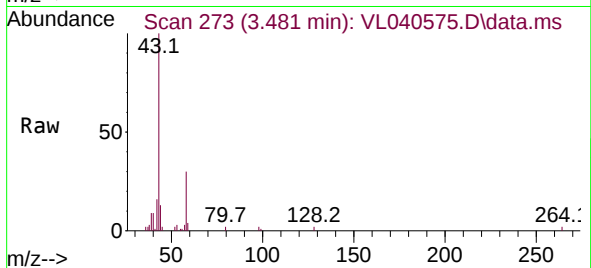
#15
Acetone
Concen: 0.186 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 43 Resp: 2420
Ion Ratio Lower Upper
43 100
58 37.3 22.9 34.3

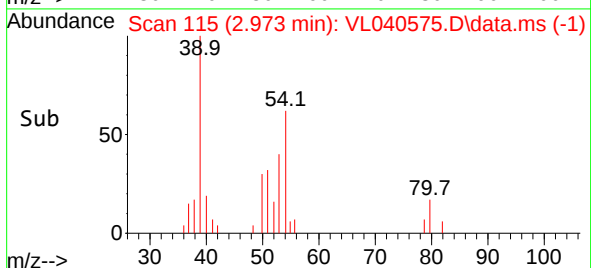
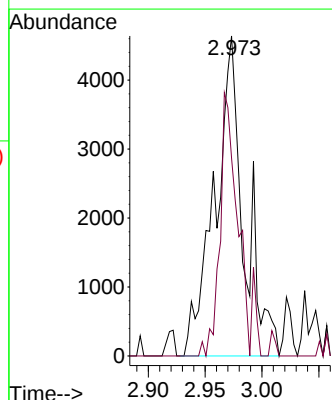
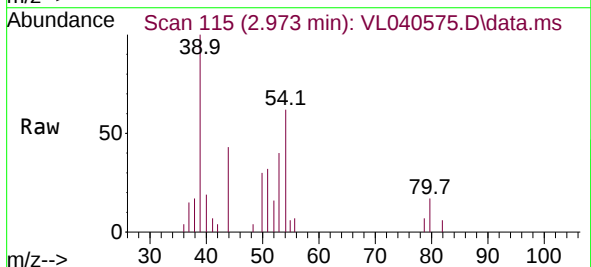
Manual Integrations
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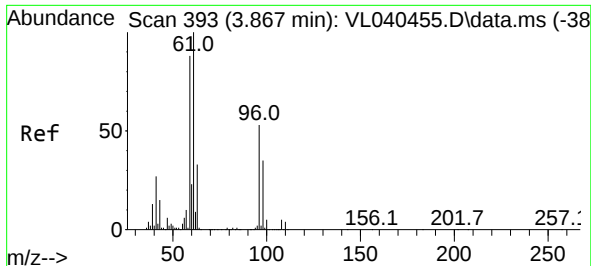
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#16
1,3-Butadiene
Concen: 0.123 ppbv m
RT: 2.973 min Scan# 115
Delta R.T. -0.019 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 39 Resp: 8098
Ion Ratio Lower Upper
39 100
54 55.0 66.6 100.0





#17

tert-Butyl alcohol

Concen: 0.105 ppbv m

RT: 3.893 min Scan# 401

Delta R.T. 0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 59 Resp: 1410

Ion Ratio Lower Upper

59 100

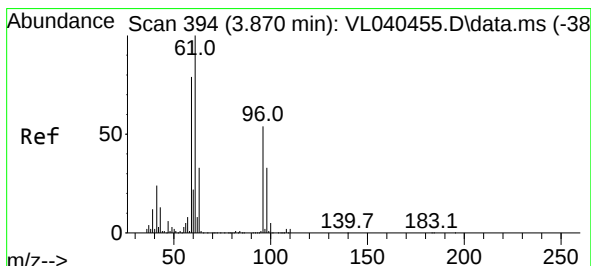
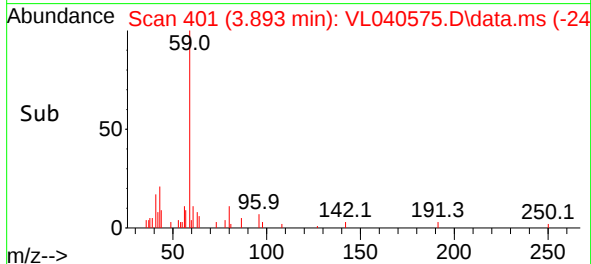
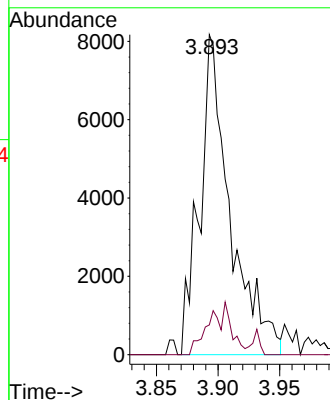
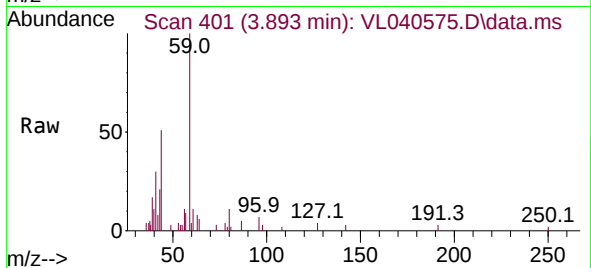
57 0.0 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#18

1,1-Dichloroethene

Concen: 0.102 ppbv m

RT: 3.874 min Scan# 395

Delta R.T. -0.016 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

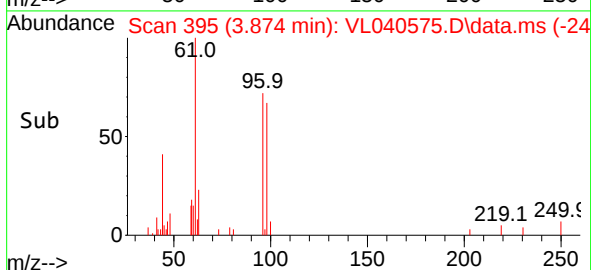
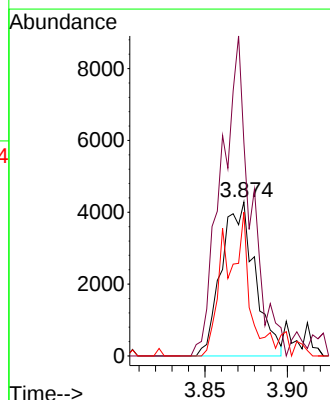
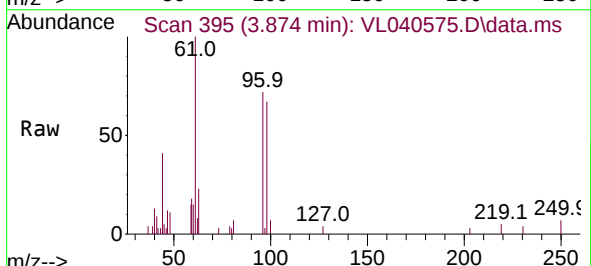
Tgt Ion: 96 Resp: 6039

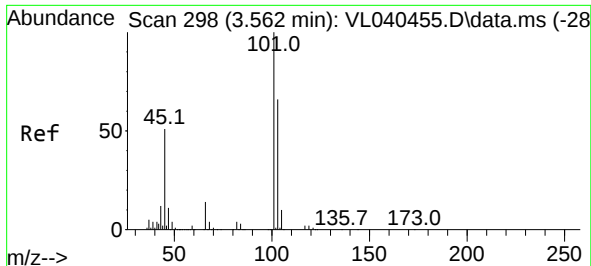
Ion Ratio Lower Upper

96 100

61 138.9 154.4 231.6#

98 93.3 50.0 75.0#





#19

Isopropyl Alcohol

Concen: 0.114 ppbv m

RT: 3.591 min Scan# 307

Delta R.T. 0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

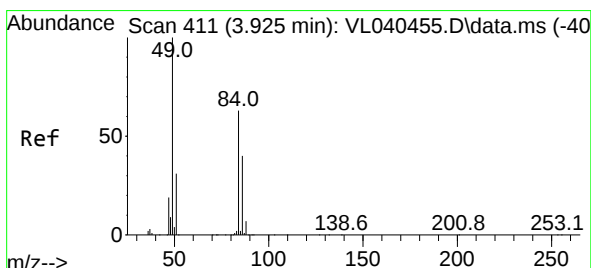
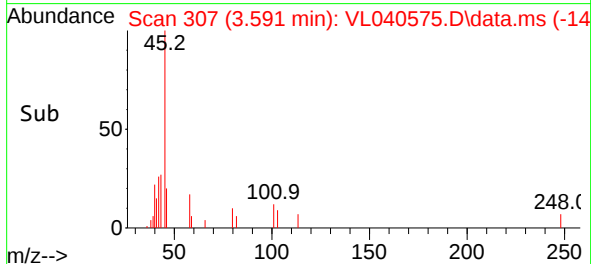
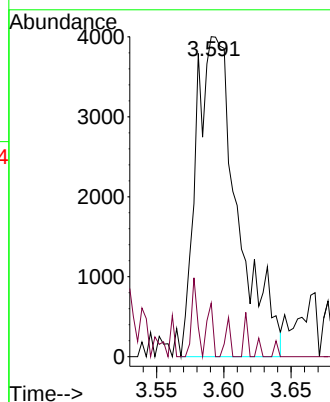
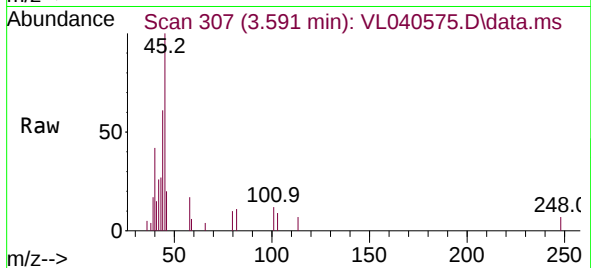
MDL-AIR-03-QT3-2023

Tgt Ion: 45 Resp: 8538
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.1 1.75

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#20

Methylene Chloride

Concen: 0.558 ppbv

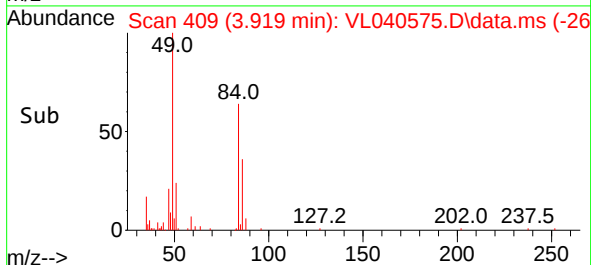
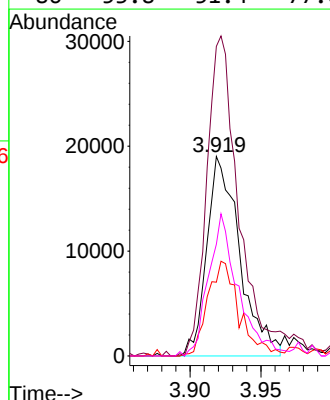
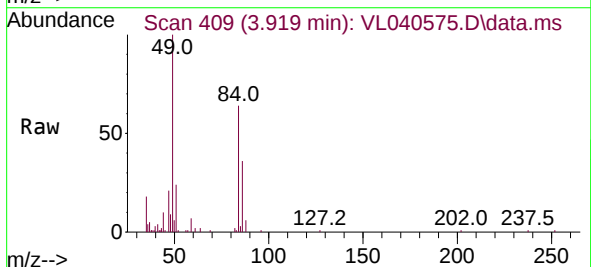
RT: 3.919 min Scan# 409

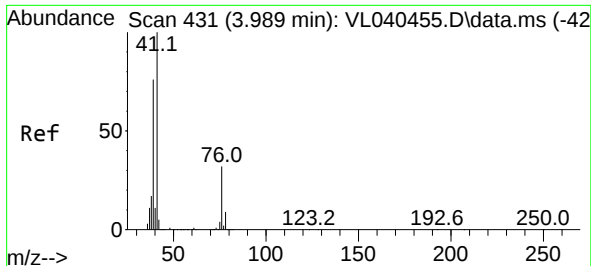
Delta R.T. -0.023 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion: 84 Resp: 30889
 Ion Ratio Lower Upper
 84 100
 49 154.2 123.4 185.2
 51 37.0 38.3 57.5#
 86 53.8 51.4 77.0





#21

Allyl Chloride

Concen: 0.093 ppbv m

RT: 3.983 min Scan# 41

Delta R.T. -0.023 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

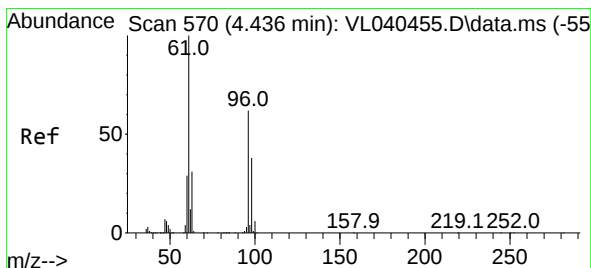
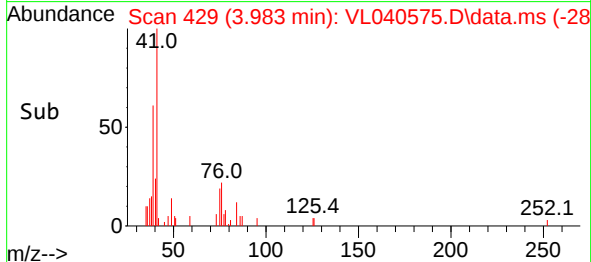
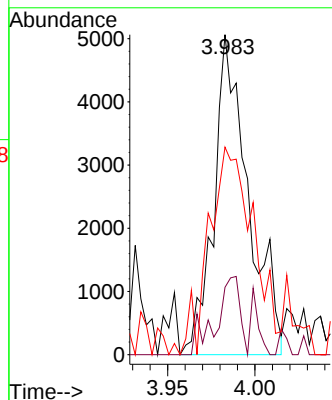
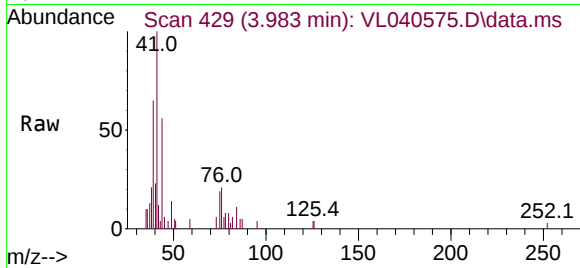
Tgt Ion: 41	Resp: 692
Ion Ratio	Lower Upper
41	100
76	23.4 24.8 37.2
39	97.8 60.6 91.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#22

trans-1,2-Dichloroethene

Concen: 0.104 ppbv m

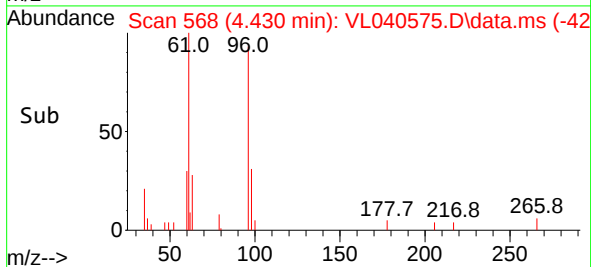
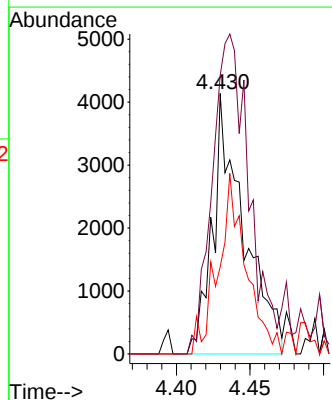
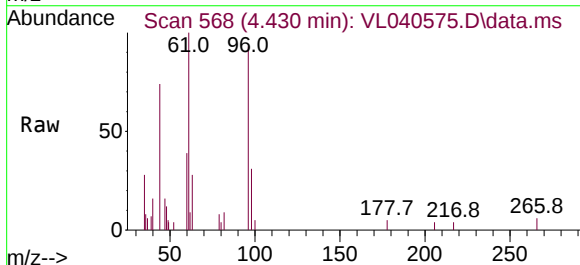
RT: 4.430 min Scan# 568

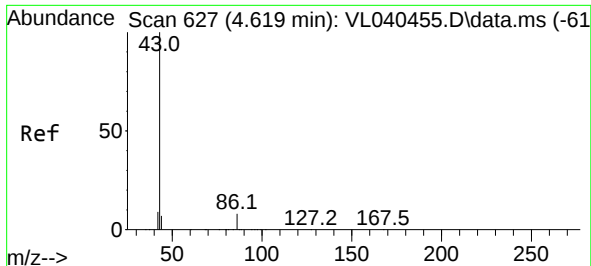
Delta R.T. -0.023 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion: 96	Resp: 6057
Ion Ratio	Lower Upper
96	100
61	107.0 137.7 206.5
98	33.5 52.9 79.3





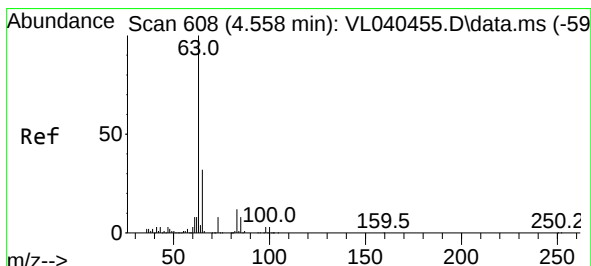
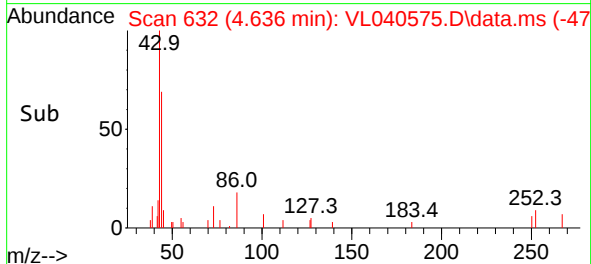
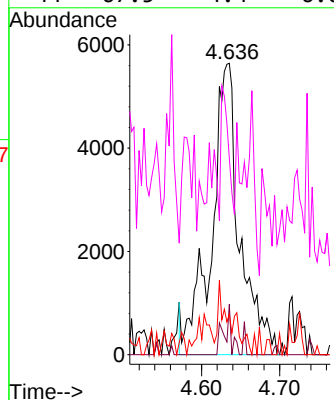
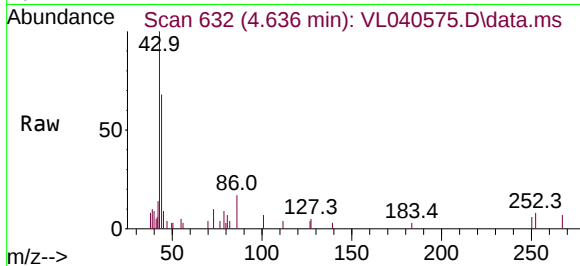
#23
 Vinyl Acetate
 Concen: 0.114 ppbv m
 RT: 4.636 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Tgt Ion: 43 Resp: 14098
 Ion Ratio Lower Upper
 43 100
 86 17.3 5.6 8.4
 42 13.9 7.4 11.2
 44 67.5 4.4 6.6

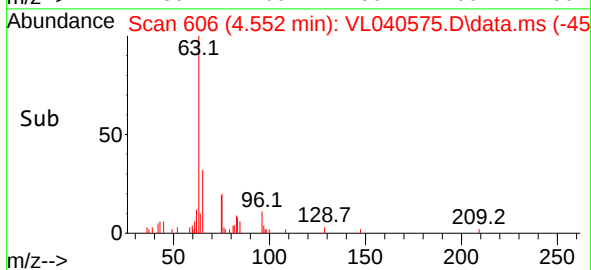
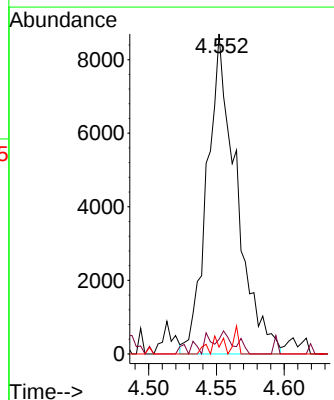
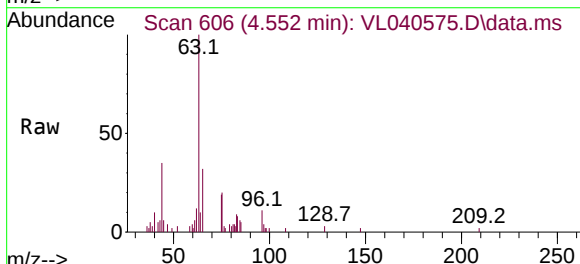
Manual Integrations
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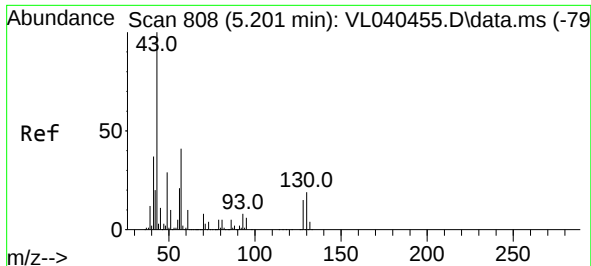
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#24
 1,1-Dichloroethane
 Concen: 0.104 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. -0.019 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

Tgt Ion: 63 Resp: 13102
 Ion Ratio Lower Upper
 63 100
 98 4.7 1.8 5.5
 100 2.2 1.4 4.0





#25

Ethyl Acetate

Concen: 0.101 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.003 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

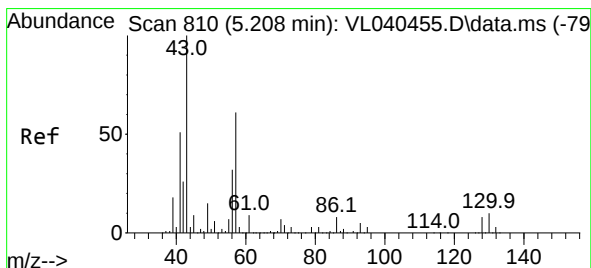
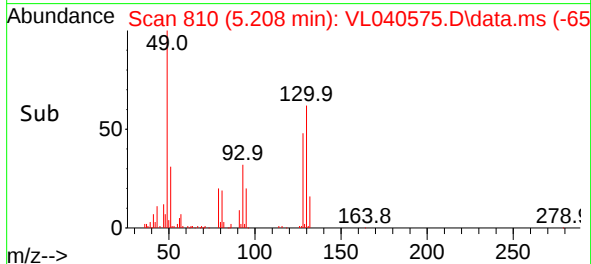
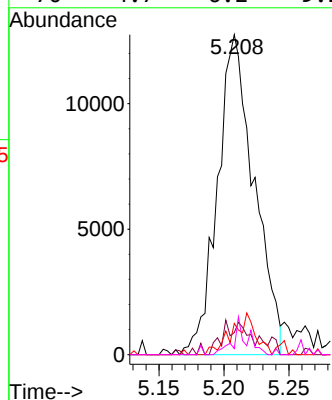
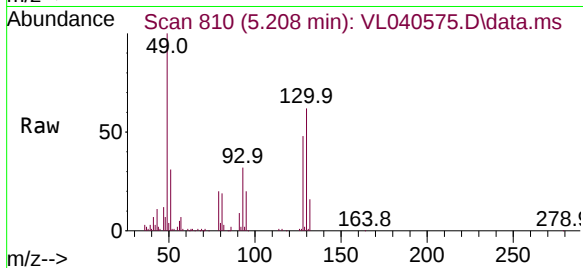
MDL-AIR-03-QT3-2023

Tgt Ion: 43	Resp: 25008
Ion Ratio	Lower Upper
43 100	
45 9.9	8.2 12.4
61 9.4	8.3 12.5
70 4.7	6.2 9.2#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#26

Hexane

Concen: 0.125 ppbv

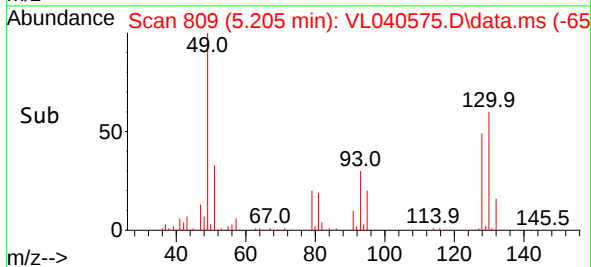
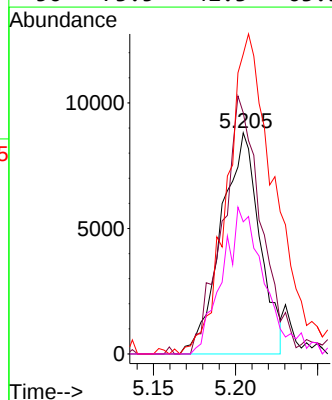
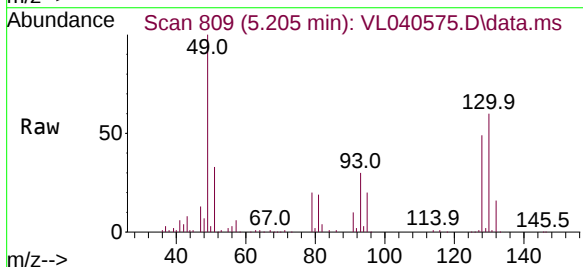
RT: 5.205 min Scan# 809

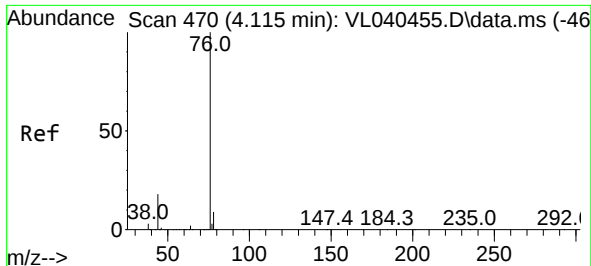
Delta R.T. -0.016 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

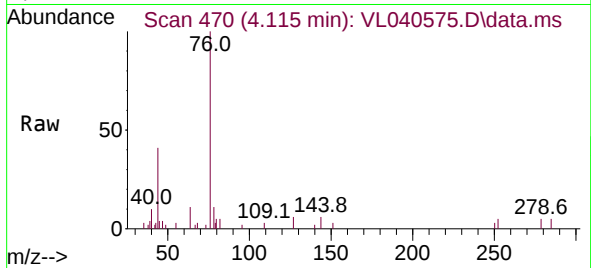
Tgt Ion: 57	Resp: 14402
Ion Ratio	Lower Upper
57 100	
41 122.7	69.5 104.3#
43 177.8	177.1 265.7
56 73.5	42.3 63.5#





#27
Carbon Disulfide
Concen: 0.096 ppbv m
RT: 4.115 min Scan# 470
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

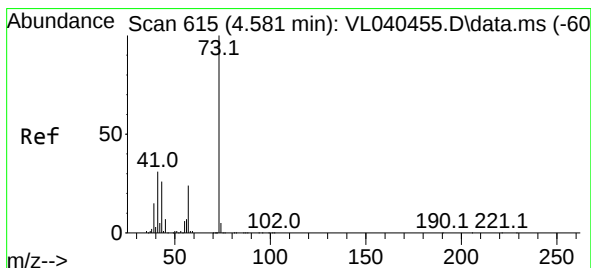
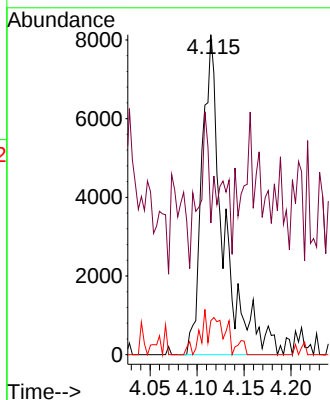
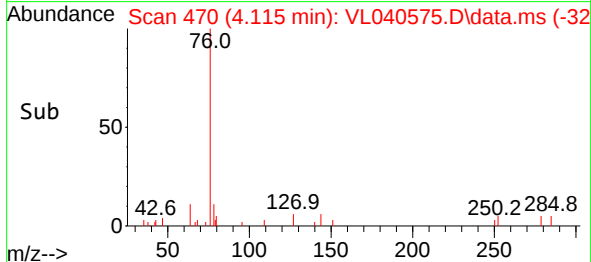
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 76 Resp: 13010
Ion Ratio Lower Upper
76 100
44 61.2 15.1 22.7
78 14.2 7.5 11.3

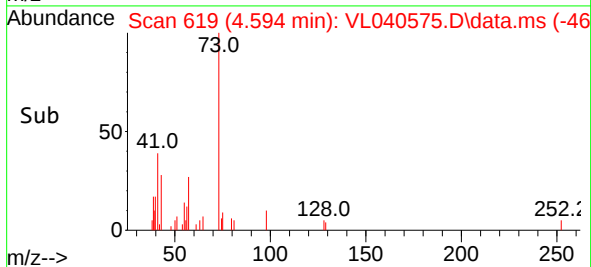
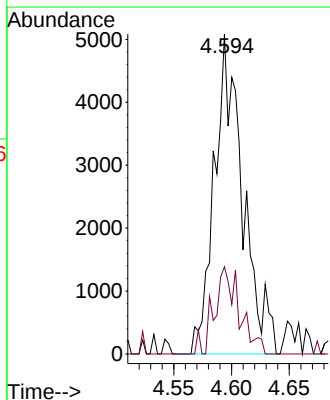
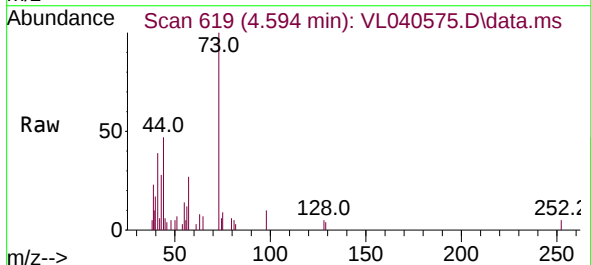
Manual Integrations
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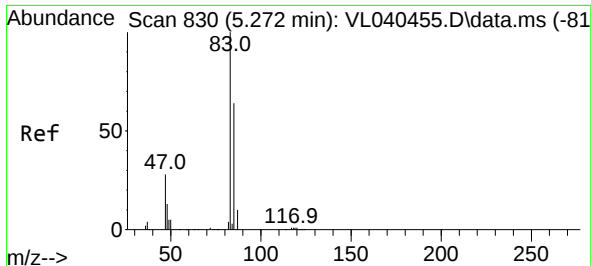
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#28
Methyl tert-Butyl Ether
Concen: 0.094 ppbv m
RT: 4.594 min Scan# 619
Delta R.T. -0.000 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 73 Resp: 8670
Ion Ratio Lower Upper
73 100
57 0.0 18.8 28.2





#29

Chloroform

Concen: 0.093 ppbv m

RT: 5.259 min Scan# 81

Delta R.T. -0.026 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

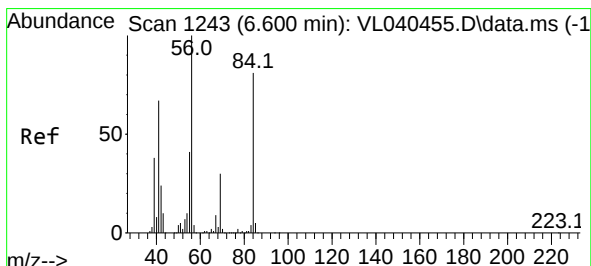
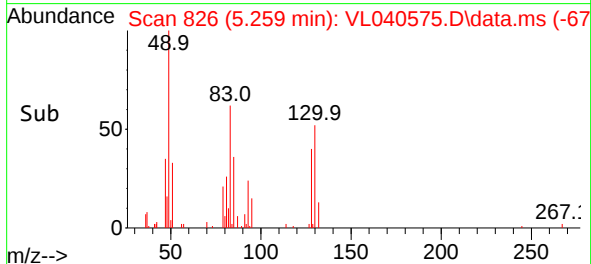
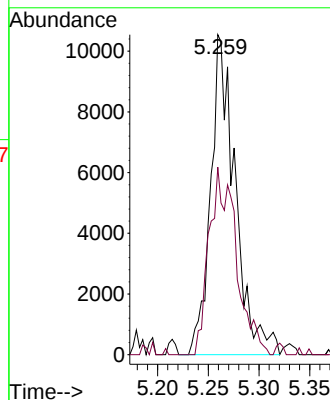
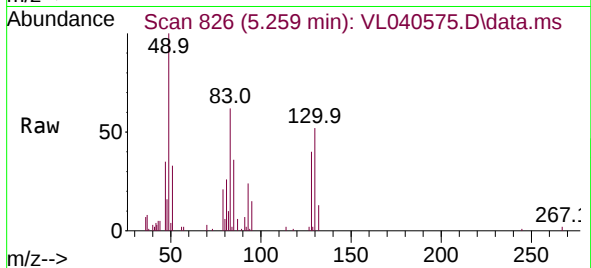
MDL-AIR-03-QT3-2023

Tgt Ion: 83 Resp: 17759
 Ion Ratio Lower Upper
 83 100
 85 58.6 51.1 76.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#30

Cyclohexane

Concen: 0.040 ppbv m

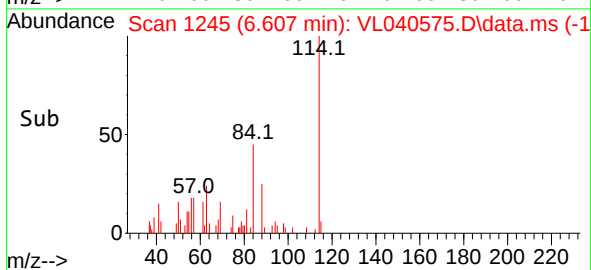
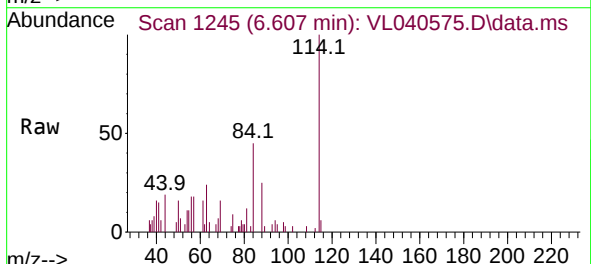
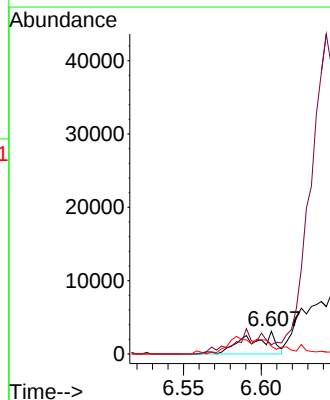
RT: 6.607 min Scan# 1245

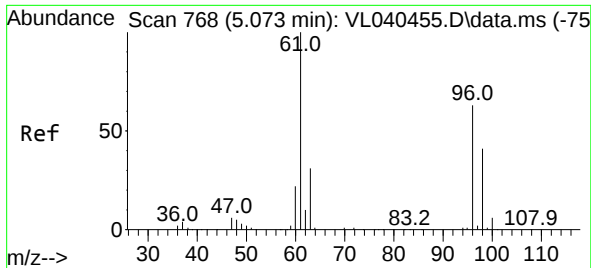
Delta R.T. -0.003 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

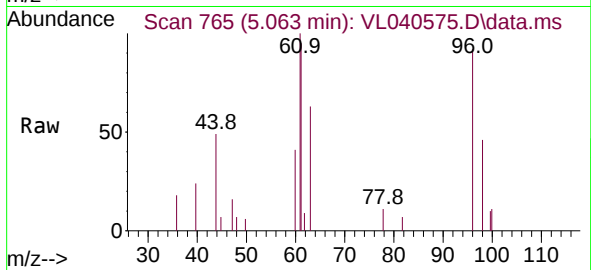
Tgt Ion: 84 Resp: 3871
 Ion Ratio Lower Upper
 84 100
 56 0.0 108.7 163.1#
 41 131.1 64.5 96.7#





#31
 cis-1,2-Dichloroethene
 Concen: 0.073 ppbv m
 RT: 5.063 min Scan# 765
 Delta R.T. -0.023 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

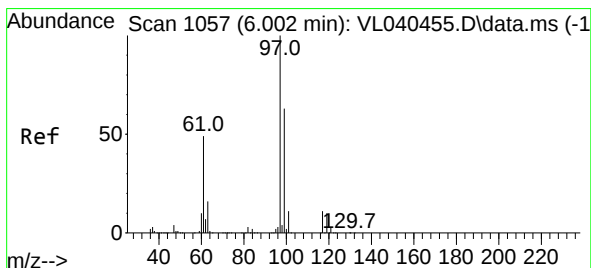
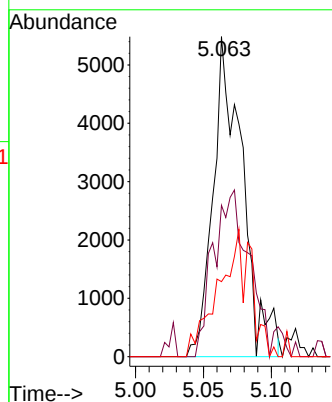
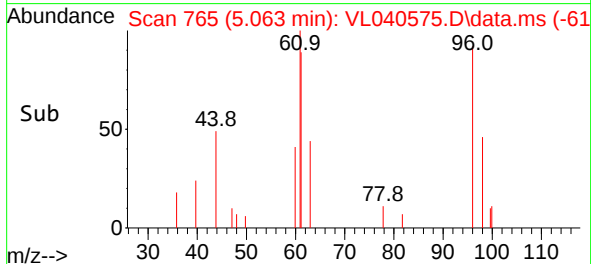
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 61 Resp: 8254
 Ion Ratio Lower Upper
 61 100
 96 92.1 54.7 82.1#
 98 45.7 34.6 52.0#

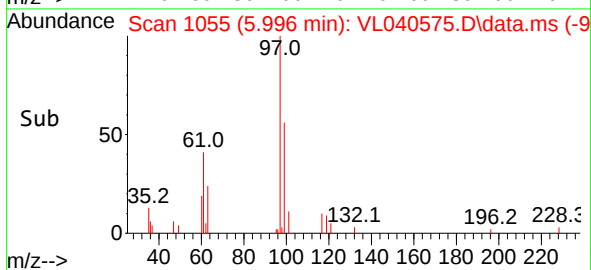
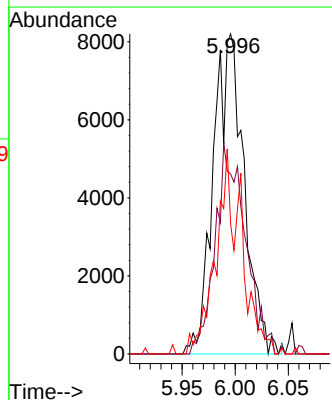
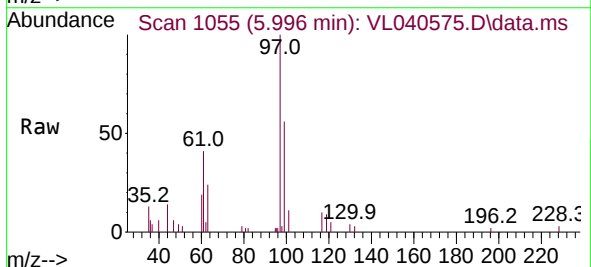
Manual Integrations
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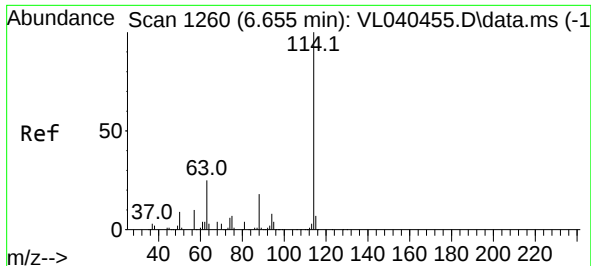
Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.089 ppbv m
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.016 min
 Lab File: VL040575.D
 Acq: 31 Jul 2023 16:38

Tgt Ion: 97 Resp: 16546
 Ion Ratio Lower Upper
 97 100
 99 0.0 52.0 78.0#
 61 0.0 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.019 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion:114 Resp: 276198

Ion Ratio Lower Upper

114 100

63 26.9 19.6 29.4

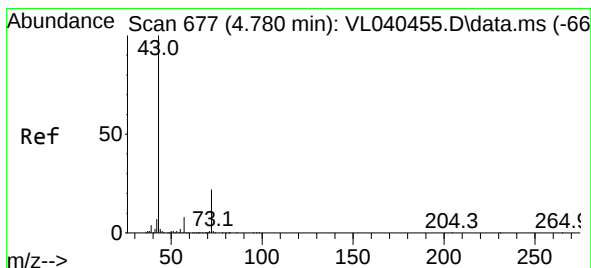
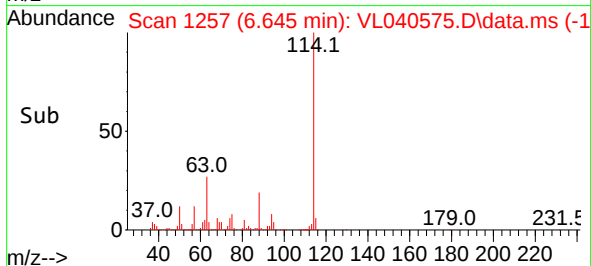
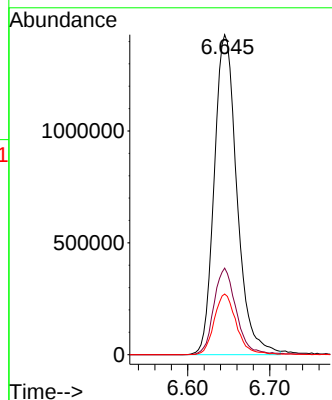
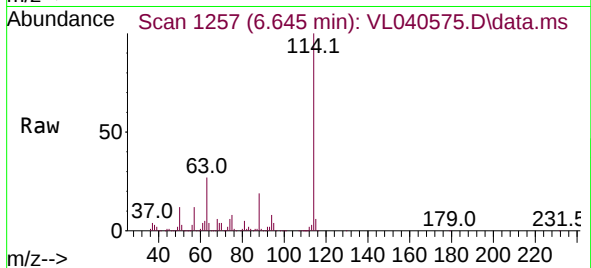
88 18.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#34

2-Butanone

Concen: 0.102 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.010 min

Lab File: VL040575.D

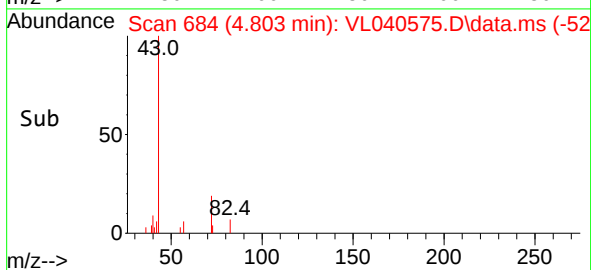
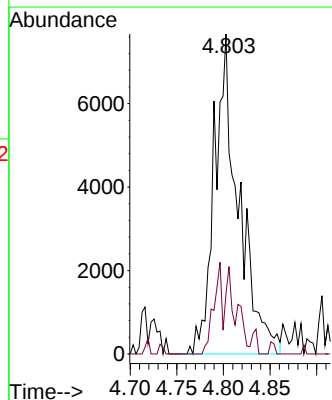
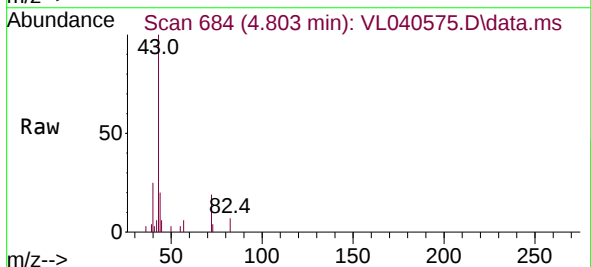
Acq: 31 Jul 2023 16:38

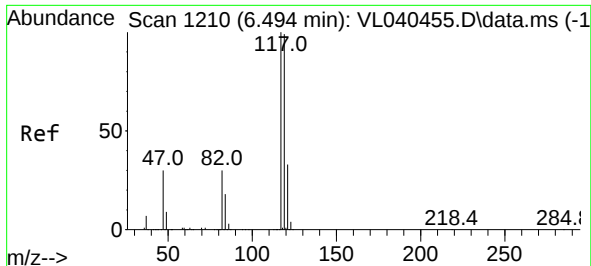
Tgt Ion: 43 Resp: 13939

Ion Ratio Lower Upper

43 100

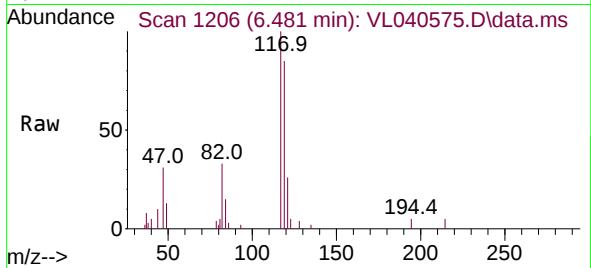
72 23.8 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 6.481 min Scan# 1171
Delta R.T. -0.023 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

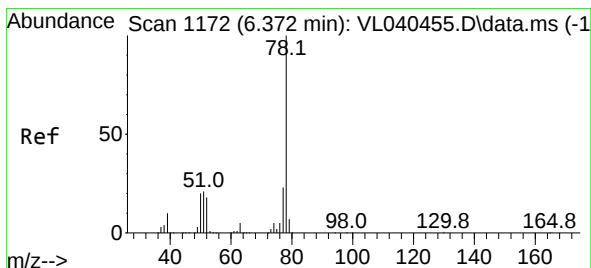
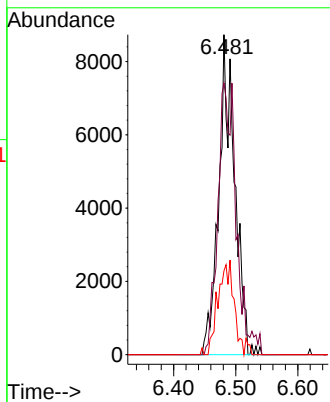
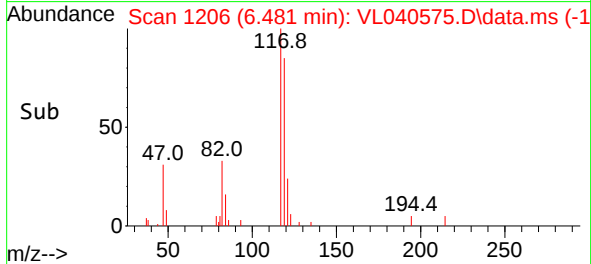
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 117 Resp: 15438
Ion Ratio Lower Upper
117 100
119 84.9 77.8 116.6
121 26.2 24.8 37.2

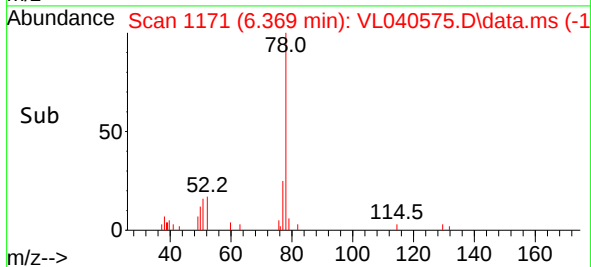
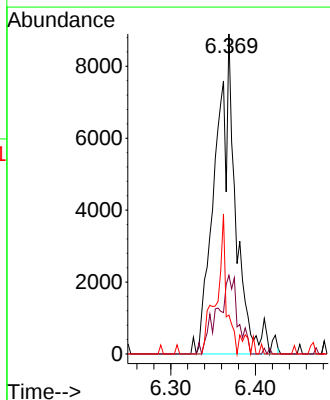
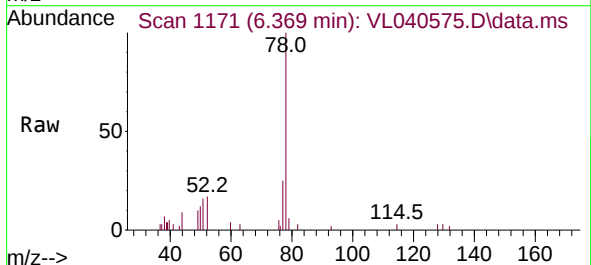
Manual Integrations
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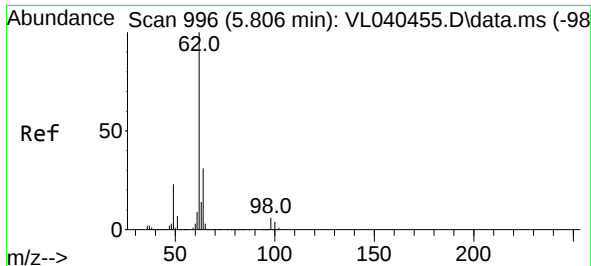
Reviewed By : Semsettin Yesilyurt 08/01/2023
Supervised By : Mahesh Dadoda 08/01/2023



#36
Benzene
Concen: 0.068 ppbv m
RT: 6.369 min Scan# 1171
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

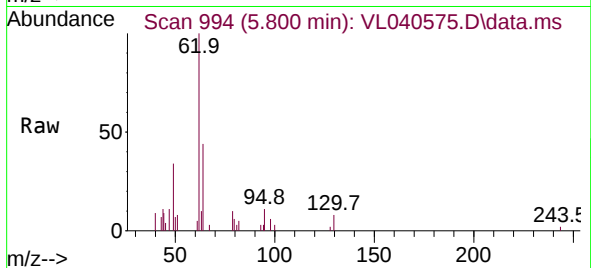
Tgt Ion: 78 Resp: 15191
Ion Ratio Lower Upper
78 100
77 24.5 17.4 26.0
50 15.7 14.4 21.6





#37
1,2-Dichloroethane
Concen: 0.091 ppbv m
RT: 5.800 min Scan# 996
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

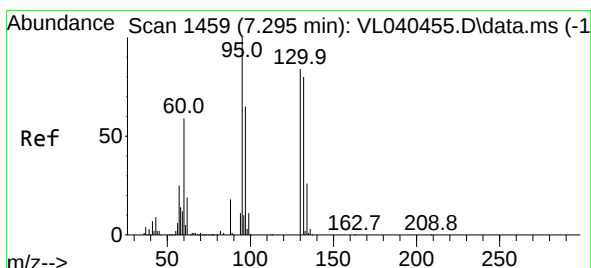
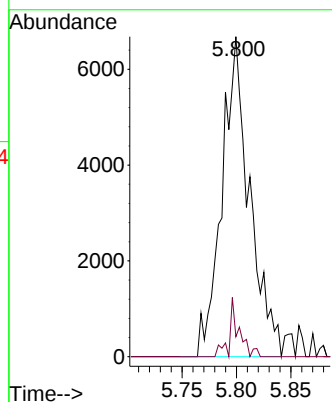
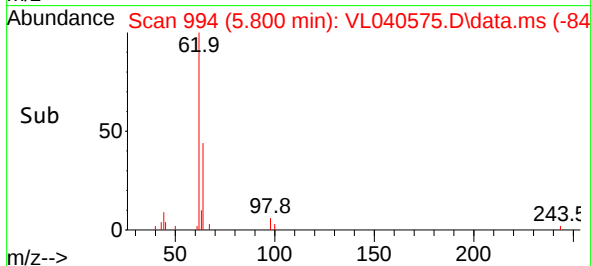
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 62 Resp: 1185
Ion Ratio Lower Upper
62 100
98 6.5 5.1 7.7

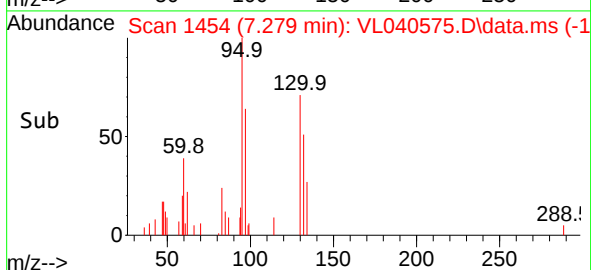
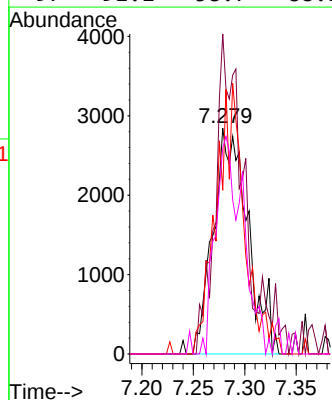
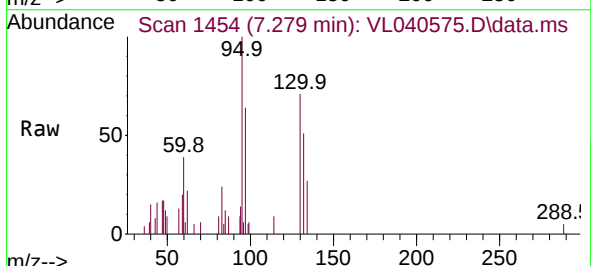
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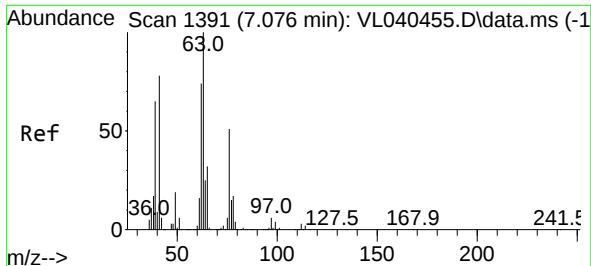
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#38
Trichloroethene
Concen: 0.079 ppbv m
RT: 7.279 min Scan# 1454
Delta R.T. -0.026 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion:130 Resp: 6636
Ion Ratio Lower Upper
130 100
95 141.7 90.2 135.2#
132 72.5 76.3 114.5#
97 91.1 58.7 88.1#





#39

1,2-Dichloropropane

Concen: 0.095 ppbv m

RT: 7.066 min Scan# 1388

Delta R.T. -0.016 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

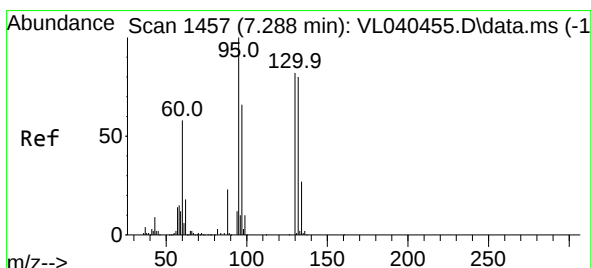
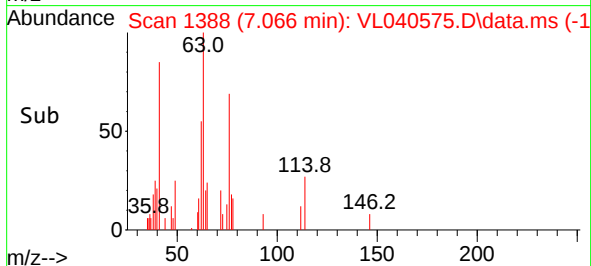
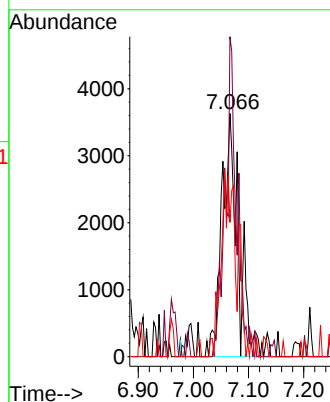
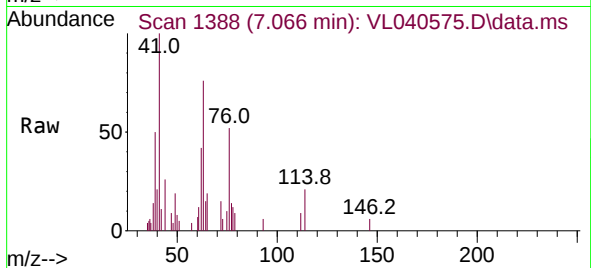
Tgt Ion: 63 Resp: 812

Ion	Ratio	Lower	Upper
63	100		
41	131.6	54.3	81.5
62	55.2	55.6	83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#40

1,4-Dioxane

Concen: 0.066 ppbv m

RT: 7.320 min Scan# 1467

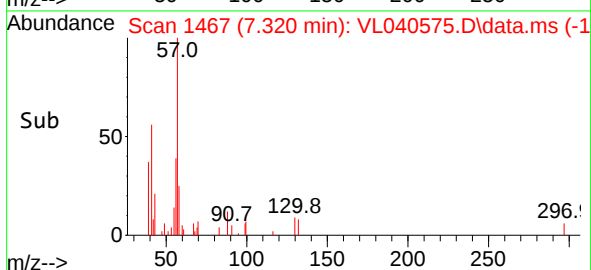
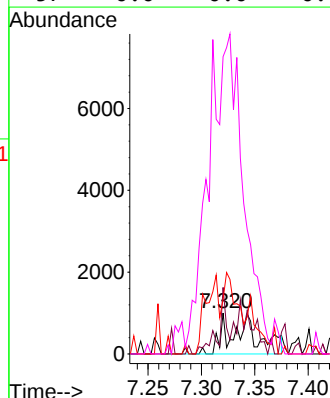
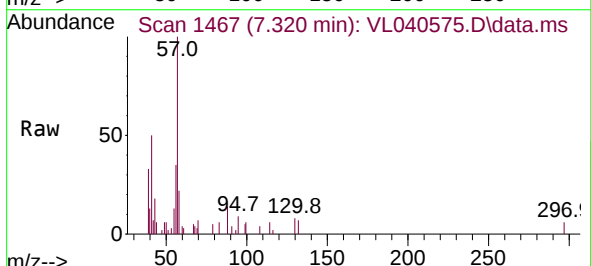
Delta R.T. 0.022 min

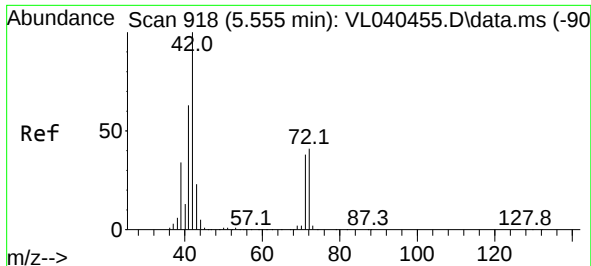
Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion: 88 Resp: 1779

Ion	Ratio	Lower	Upper
88	100		
58	0.0	58.6	88.0#
43	18.0	0.0	0.0#
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.049 ppbv m

RT: 5.584 min Scan# 918

Delta R.T. 0.019 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

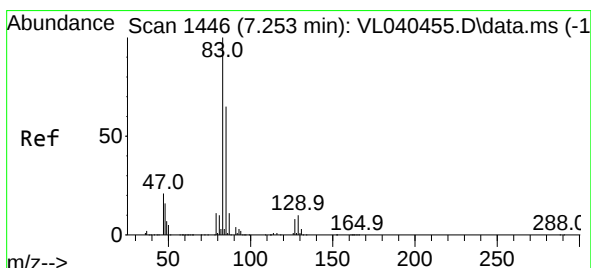
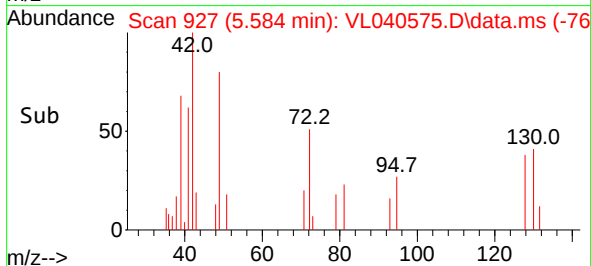
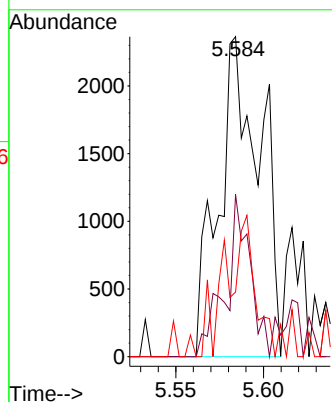
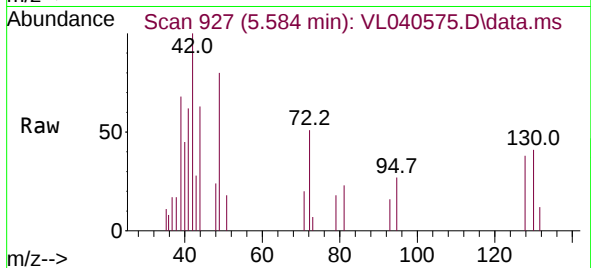
Tgt Ion: 42 Resp: 392

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.8	50.8
71	0.0	33.0	49.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#42

Bromodichloromethane

Concen: 0.085 ppbv m

RT: 7.237 min Scan# 1441

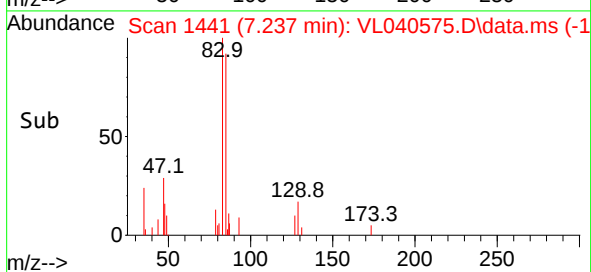
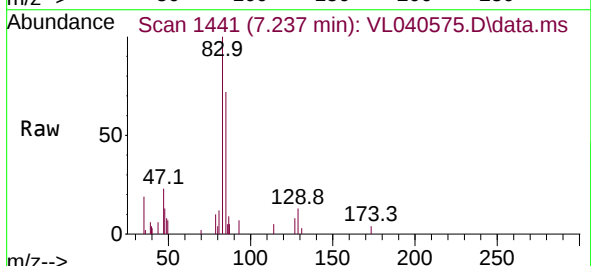
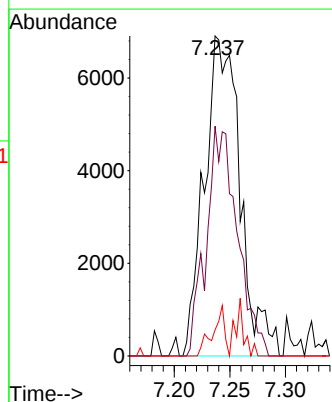
Delta R.T. -0.023 min

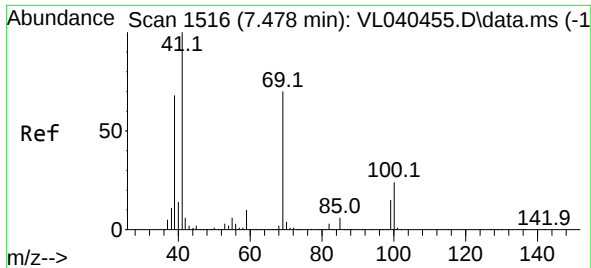
Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion: 83 Resp: 15447

Ion	Ratio	Lower	Upper
83	100		
85	71.8	51.1	76.7
127	8.1	6.5	9.7





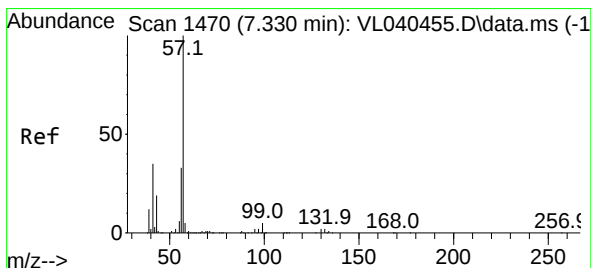
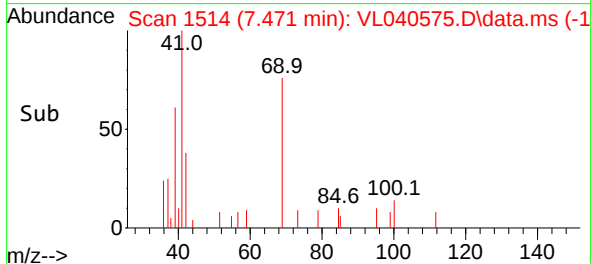
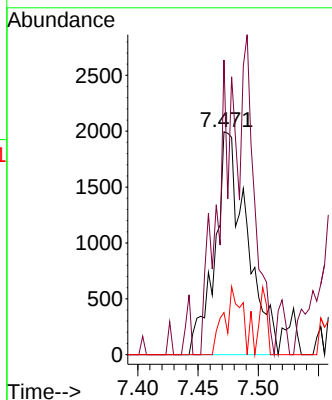
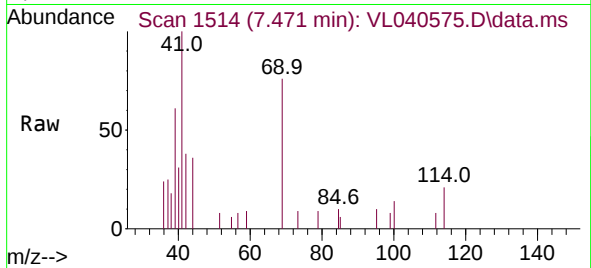
#43
Methyl Methacrylate
Concen: 0.044 ppbv m
RT: 7.471 min Scan# 1469
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023

Tgt Ion: 69 Resp: 3680
Ion Ratio Lower Upper
69 100
41 0.0 111.7 167.5#
100 0.0 26.9 40.3#

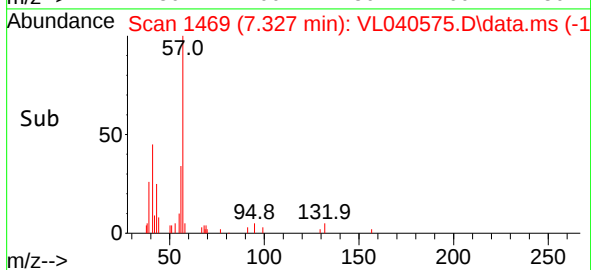
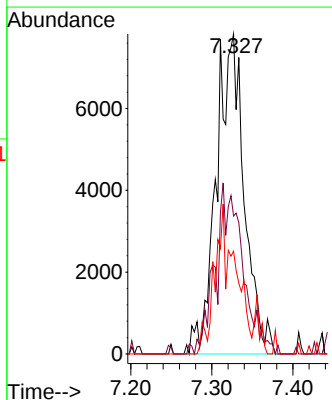
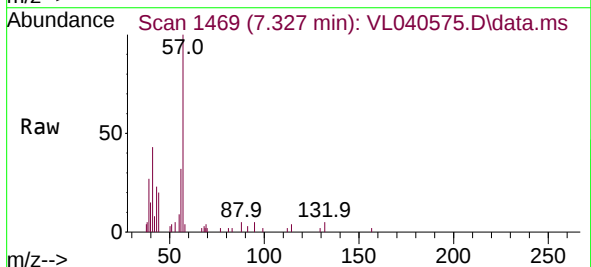
Manual Integrations
APPROVED

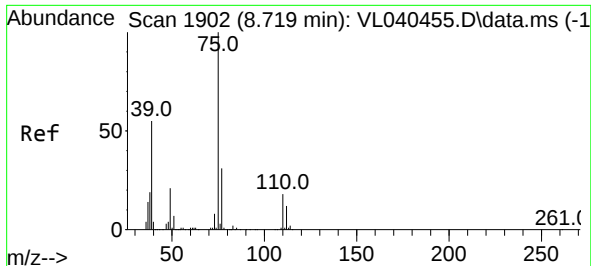
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#44
2,2,4-Trimethylpentane
Concen: 0.052 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. -0.010 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 57 Resp: 18727
Ion Ratio Lower Upper
57 100
41 52.3 25.5 38.3#
56 38.8 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.039 ppbv m

RT: 8.709 min Scan# 1899

Delta R.T. -0.013 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

Tgt Ion: 75 Resp: 2059

Ion Ratio Lower Upper

75 100

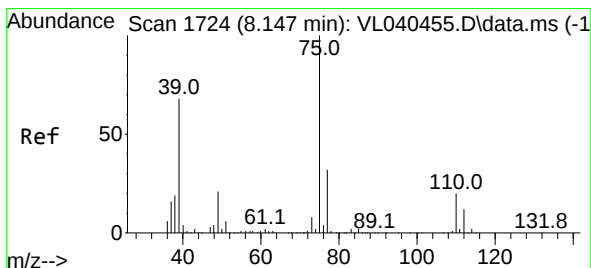
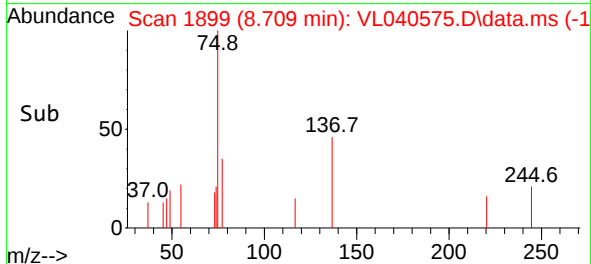
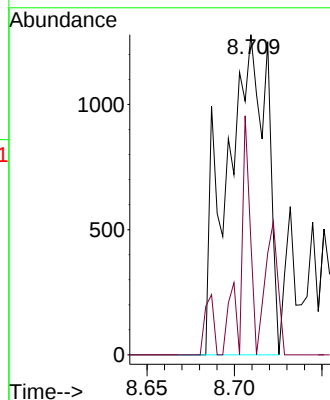
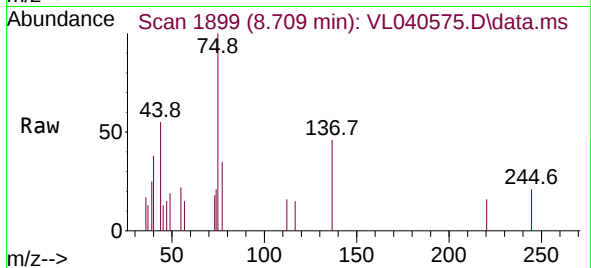
77 44900.0 26.0 39

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#46

cis-1,3-Dichloropropene

Concen: 0.049 ppbv m

RT: 8.143 min Scan# 1723

Delta R.T. -0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

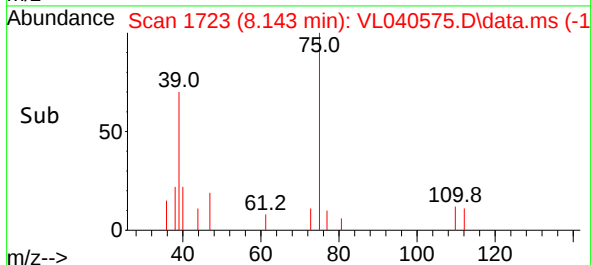
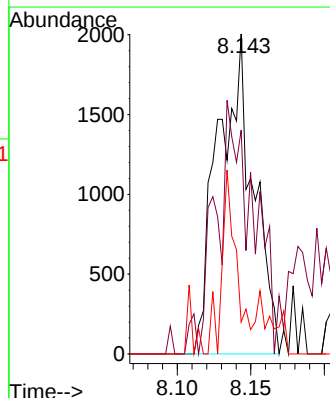
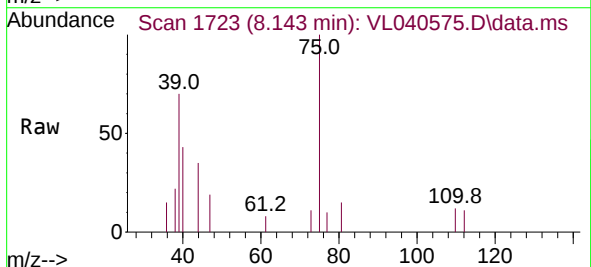
Tgt Ion: 75 Resp: 3364

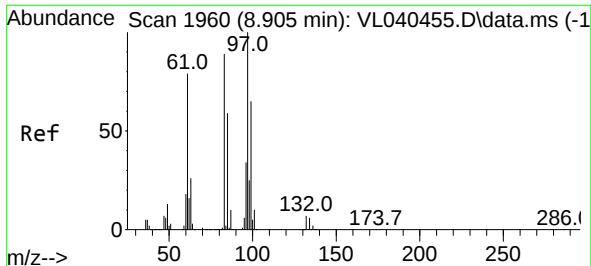
Ion Ratio Lower Upper

75 100

39 70.0 48.0 72.0

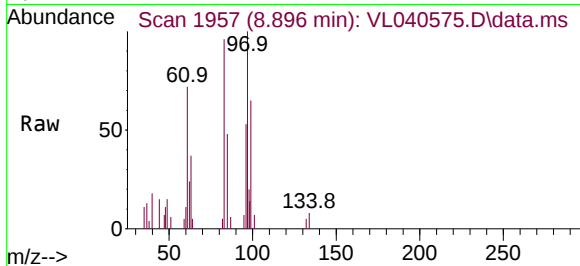
77 10.0 24.0 36.0#





#47
1,1,2-Trichloroethane
Concen: 0.083 ppbv m
RT: 8.896 min Scan# 1960
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

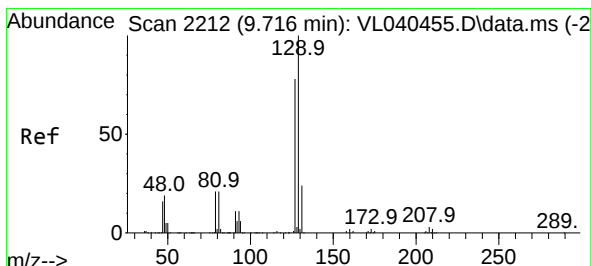
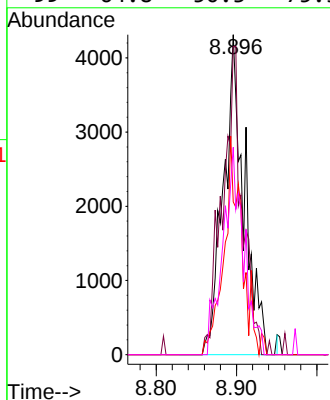
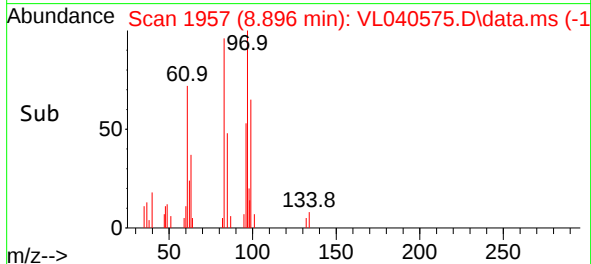
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT3-2023



Tgt Ion: 97 Resp: 779
Ion Ratio Lower Upper
97 100
83 96.3 73.4 110.0
85 47.7 46.6 70.0
99 64.8 50.3 75.5

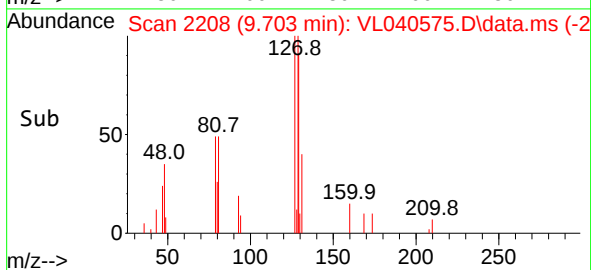
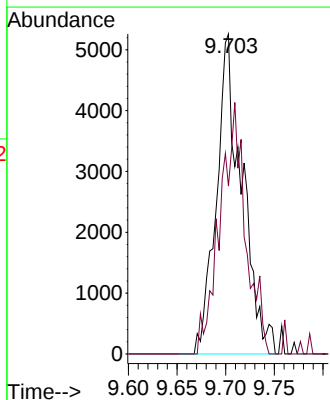
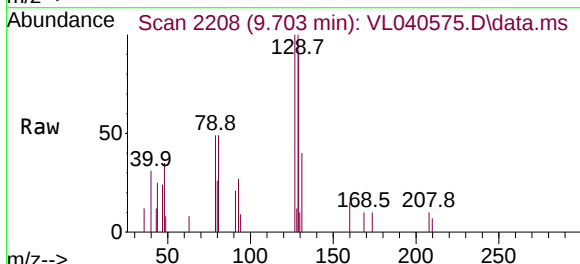
Manual Integrations
APPROVED

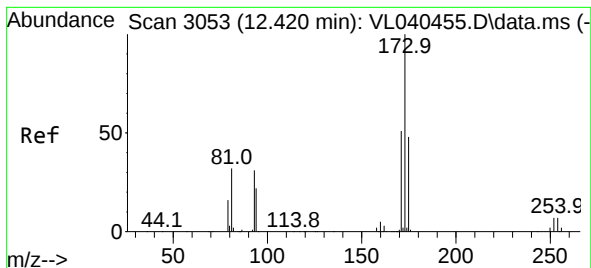
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#48
Dibromochloromethane
Concen: 0.066 ppbv m
RT: 9.703 min Scan# 2208
Delta R.T. -0.019 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion:129 Resp: 9614
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#





#49

Bromoform

Concen: 0.064 ppbv m

RT: 12.407 min Scan# 3053

Delta R.T. -0.016 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

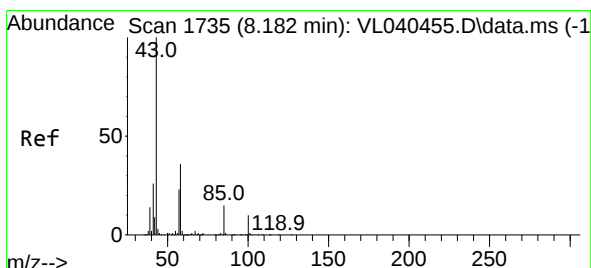
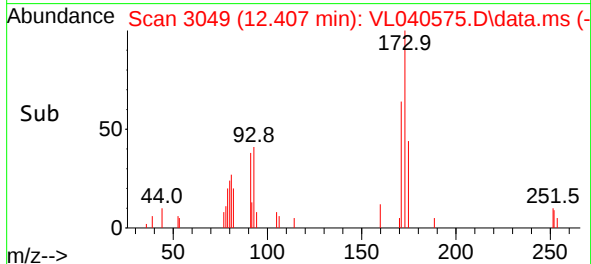
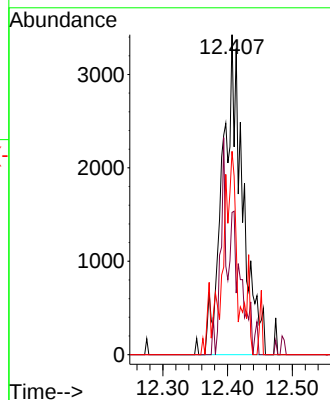
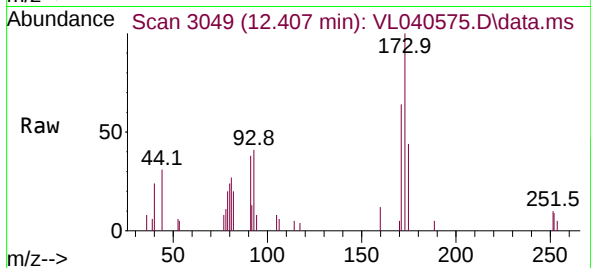
MDL-AIR-03-QT3-2023

Tgt Ion:	173	Resp:	7420
Ion Ratio	Lower	Upper	
173	100		
175	43.1	39.5	59.3
171	0.0	42.2	63.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#50

4-Methyl-2-Pentanone

Concen: 0.056 ppbv m

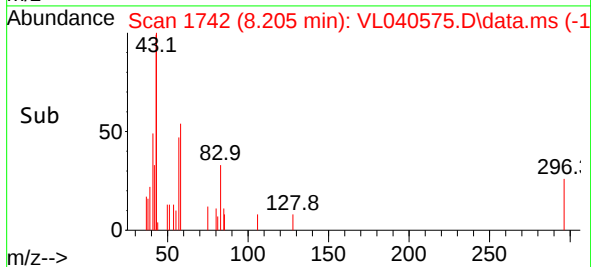
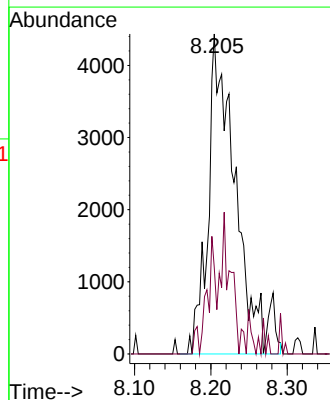
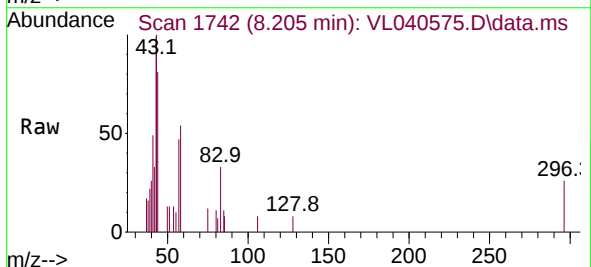
RT: 8.205 min Scan# 1742

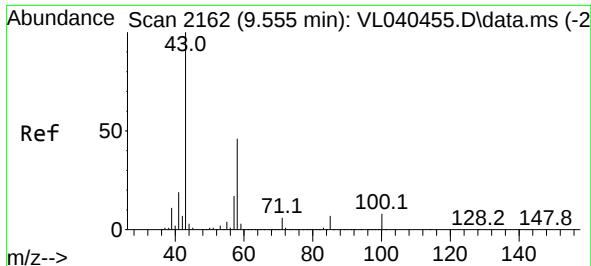
Delta R.T. 0.013 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

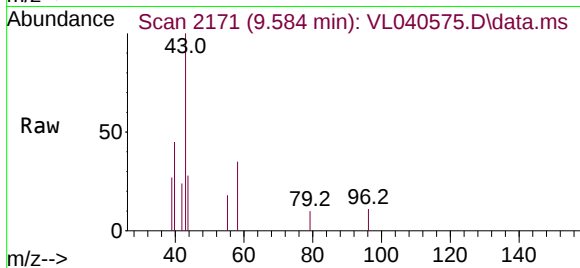
Tgt Ion:	43	Resp:	11141
Ion Ratio	Lower	Upper	
43	100		
58	0.0	30.2	45.2





#51
2-Hexanone
Concen: 0.051 ppbv m
RT: 9.584 min Scan# 2162
Delta R.T. 0.023 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

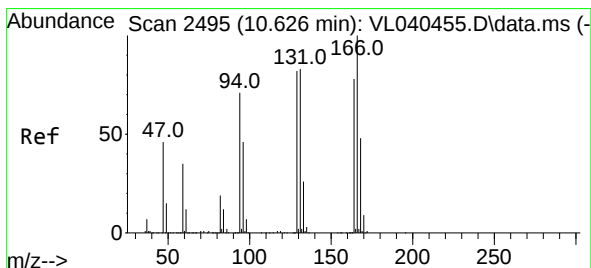
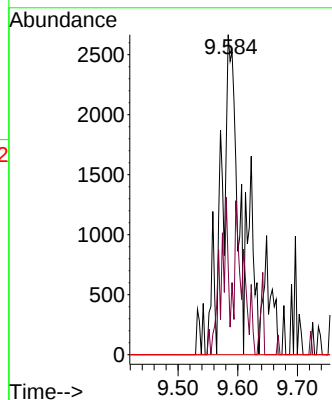
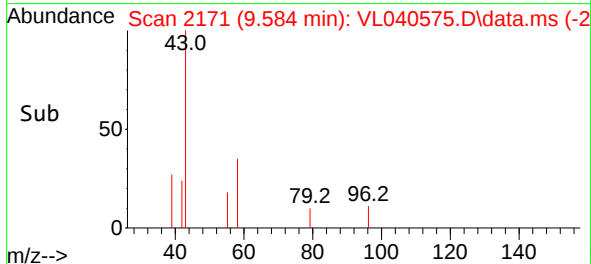
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 43 Resp: 7082
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5#
98 0.0 0.3 0.5#

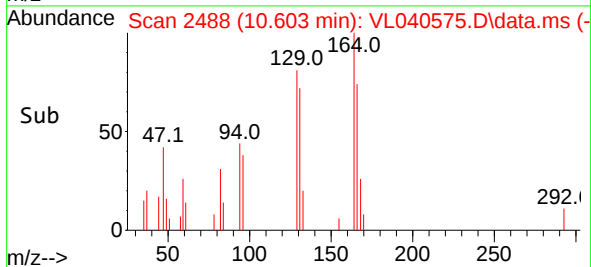
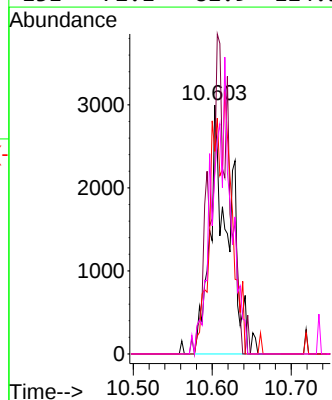
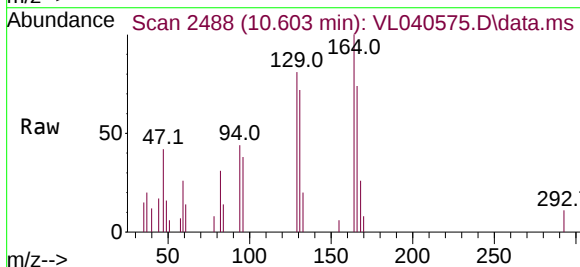
Manual Integrations
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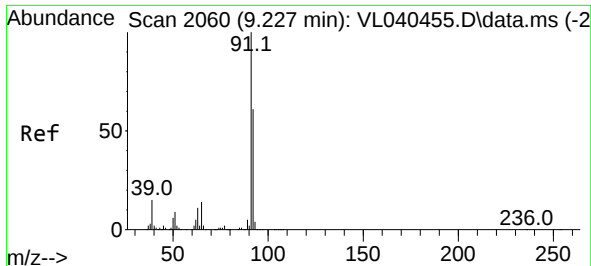
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#52
Tetrachloroethene
Concen: 0.070 ppbv m
RT: 10.603 min Scan# 2488
Delta R.T. -0.023 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

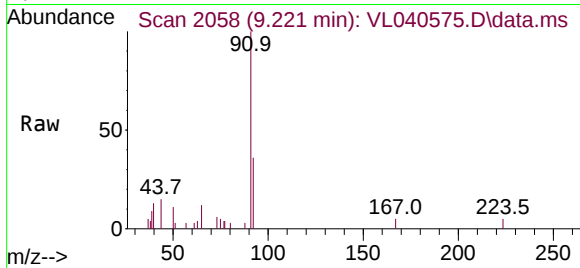
Tgt Ion:164 Resp: 5008
Ion Ratio Lower Upper
164 100
166 73.6 103.9 155.9#
129 81.3 84.6 126.8#
131 72.1 82.9 124.3#





#53
Toluene
Concen: 0.046 ppbv m
RT: 9.221 min Scan# 2060
Delta R.T. -0.010 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

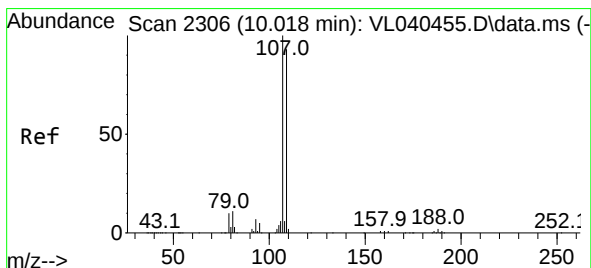
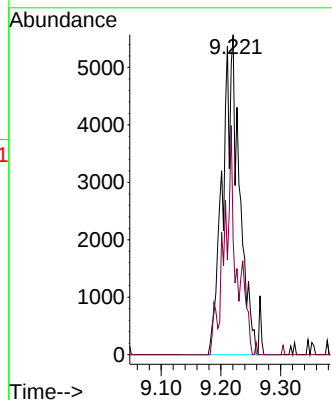
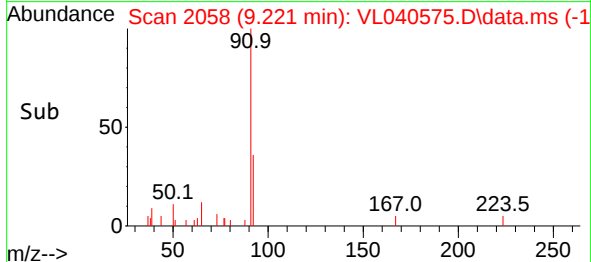
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



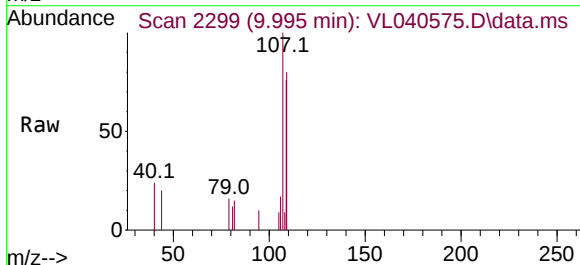
Tgt Ion: 91 Resp: 11069
Ion Ratio Lower Upper
91 100
92 0.0 49.1 73.7

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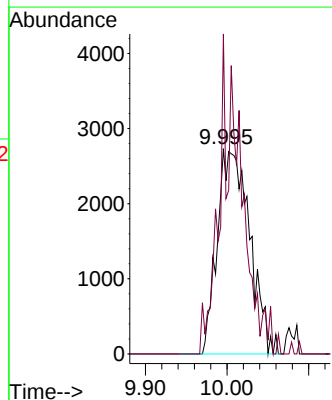
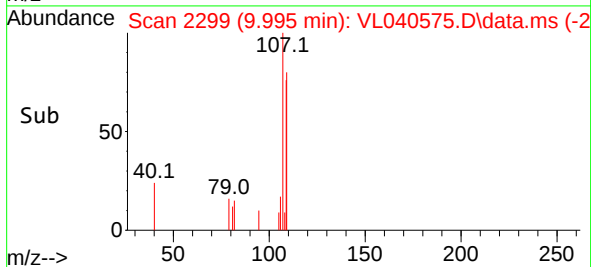
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

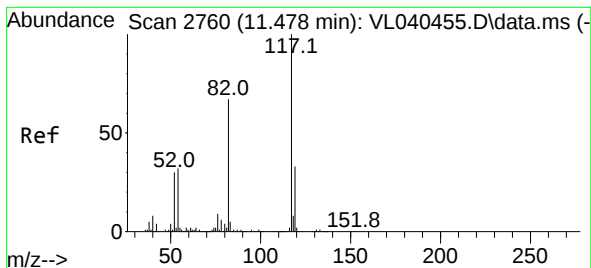


#54
1,2-Dibromoethane
Concen: 0.064 ppbv m
RT: 9.995 min Scan# 2299
Delta R.T. -0.026 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38



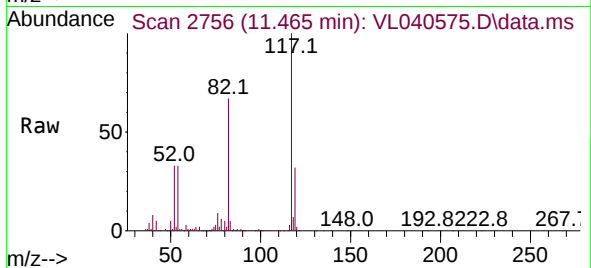
Tgt Ion:107 Resp: 7524
Ion Ratio Lower Upper
107 100
109 79.8 75.4 113.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2760
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

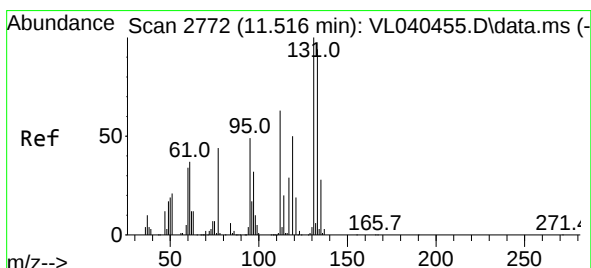
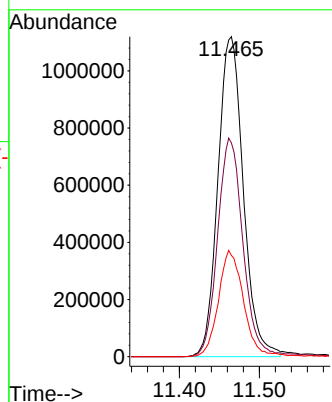
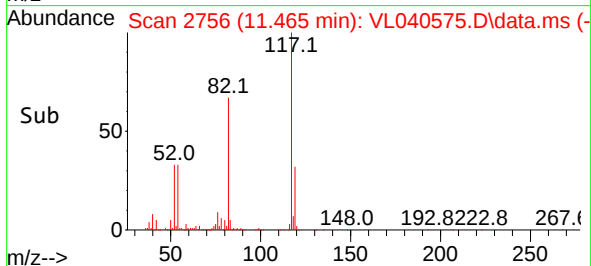
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



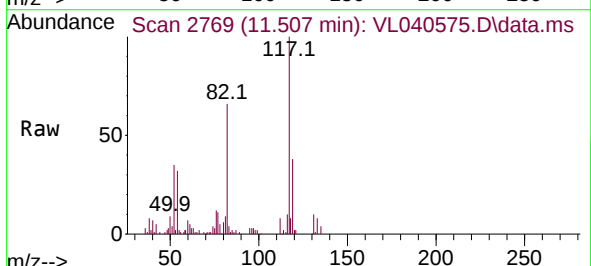
Tgt Ion:117 Resp: 247011
Ion Ratio Lower Upper
117 100
82 68.8 50.2 75.4
119 33.1 26.9 40.3

Manual Integrations
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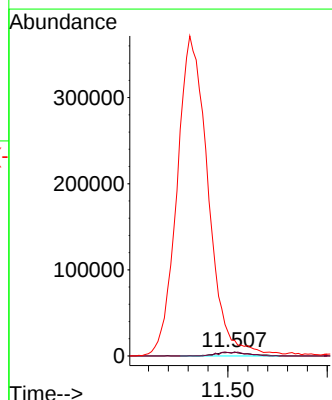
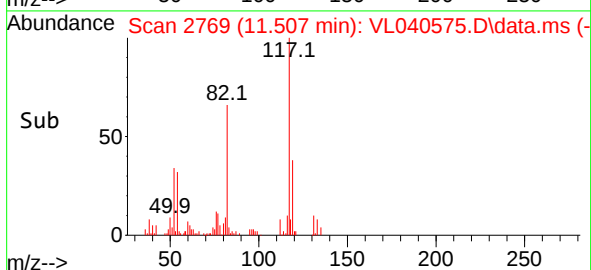
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

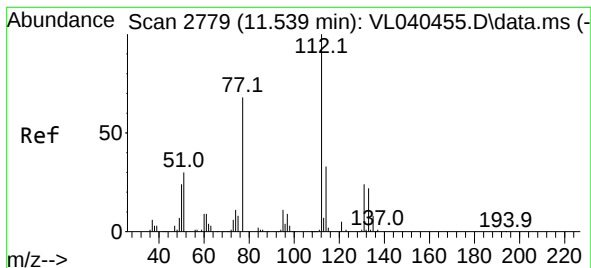


#56
1,1,1,2-Tetrachloroethane
Concen: 0.087 ppbv m
RT: 11.507 min Scan# 2769
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38



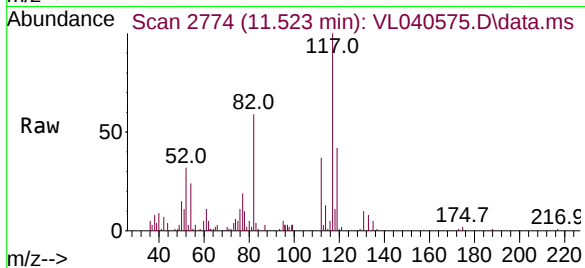
Tgt Ion:131 Resp: 9667
Ion Ratio Lower Upper
131 100
133 0.0 76.3 114.5#
119 0.0 51.1 76.7#





#57
Chlorobenzene
Concen: 0.091 ppbv m
RT: 11.523 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

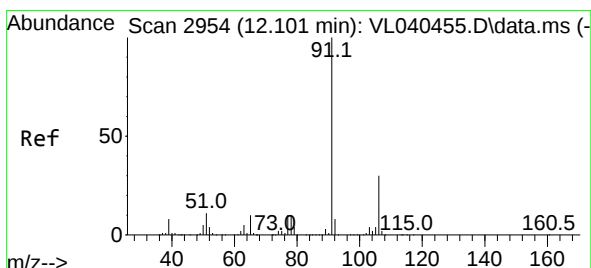
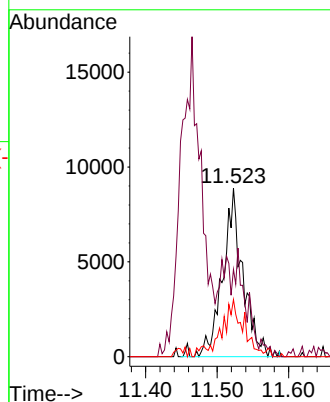
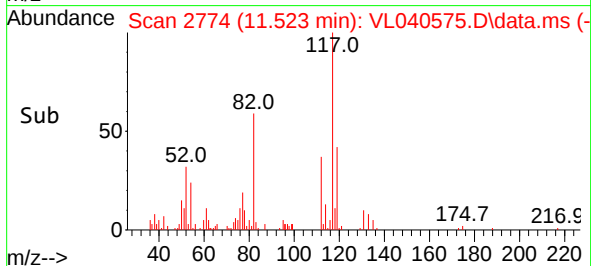
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 112 Resp: 1754
Ion Ratio Lower Upper
112 100
77 51.9 51.0 76.6
114 33.9 28.3 34.5

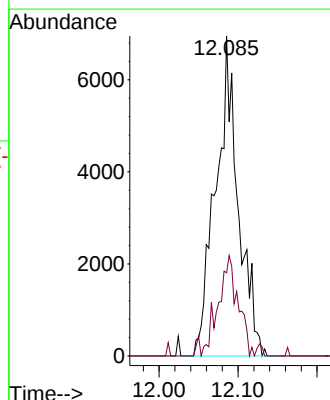
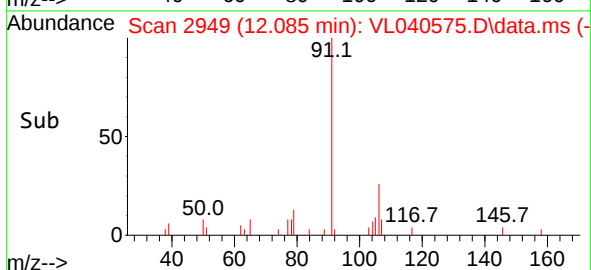
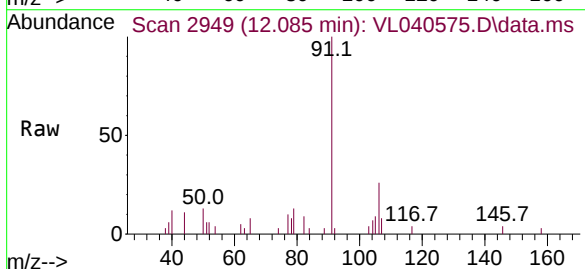
Manual Integrations
APPROVED

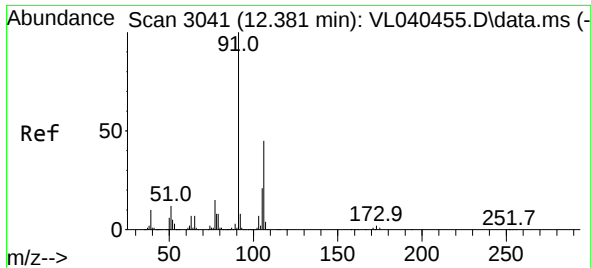
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#58
Ethyl Benzene
Concen: 0.044 ppbv m
RT: 12.085 min Scan# 2949
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 91 Resp: 13740
Ion Ratio Lower Upper
91 100
106 26.0 25.4 38.0





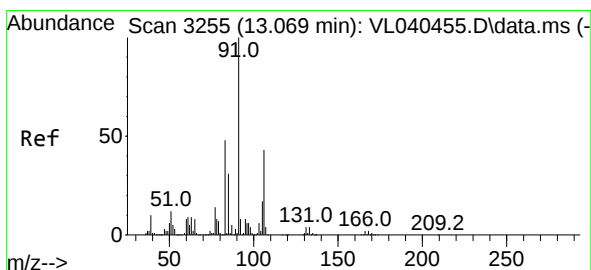
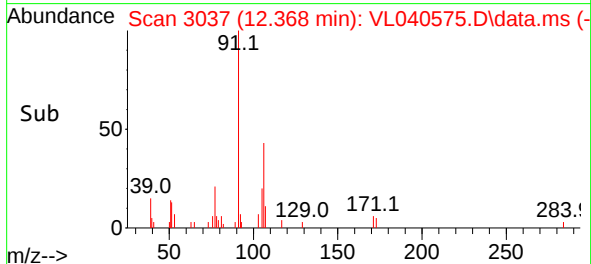
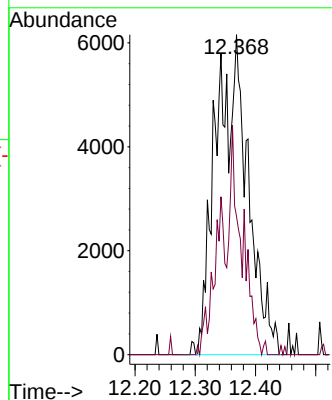
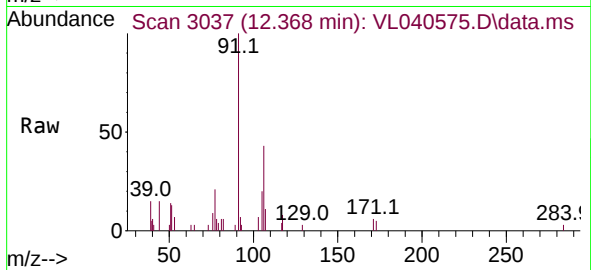
#59
m/p-Xylene
Concen: 0.082 ppbv m
RT: 12.368 min Scan# 3041
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 91 Resp: 22778
Ion Ratio Lower Upper
91 100
106 45.1 35.9 53.9

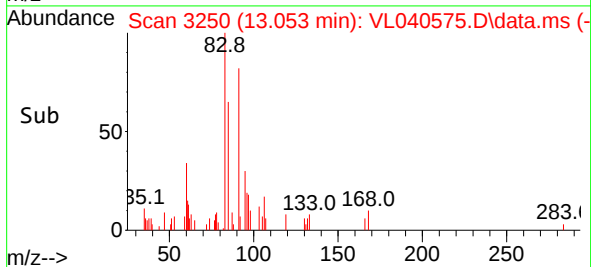
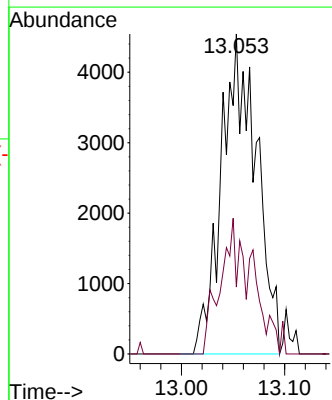
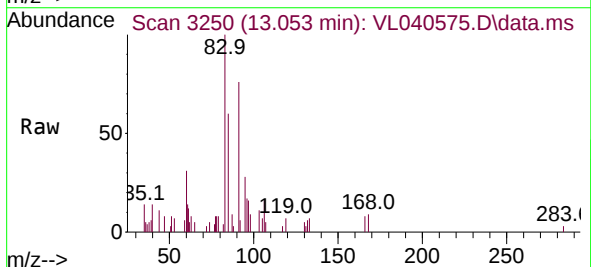
Manual Integrations
APPROVED

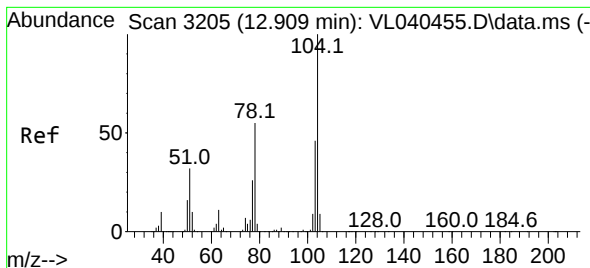
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#60
o-Xylene
Concen: 0.041 ppbv m
RT: 13.053 min Scan# 3250
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 91 Resp: 10677
Ion Ratio Lower Upper
91 100
106 39.0 22.7 68.0





#61

Styrene

Concen: 0.038 ppbv m

RT: 12.883 min Scan# 3197

Delta R.T. -0.029 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

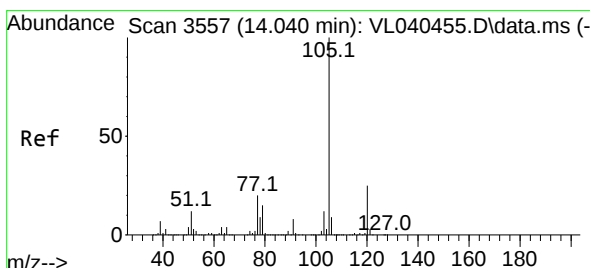
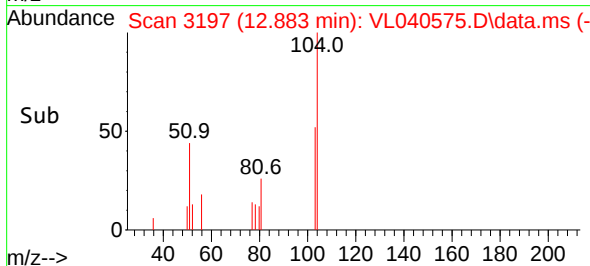
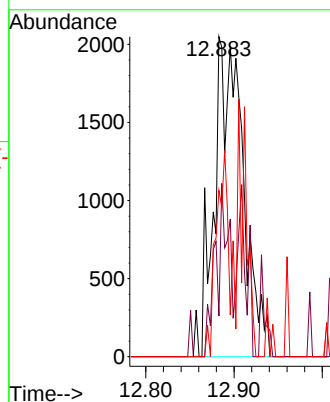
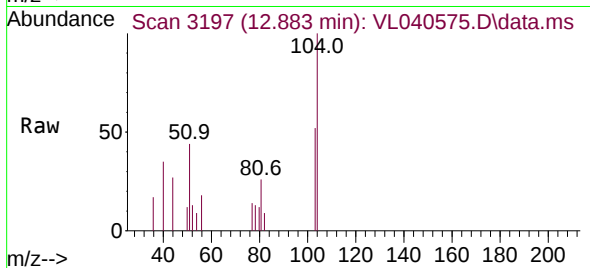
MDL-AIR-03-QT3-2023

Tgt Ion:	104	Resp:	466
Ion Ratio	Lower	Upper	
104	100		
78	0.0	40.1	60.1
103	0.0	37.0	55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#62

Isopropylbenzene

Concen: 0.056 ppbv m

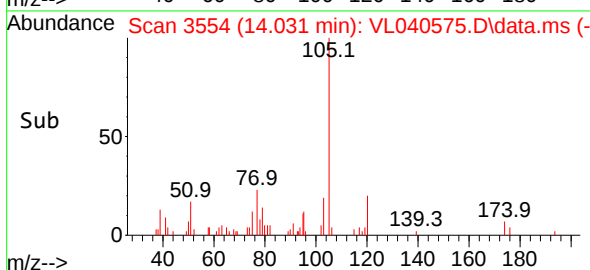
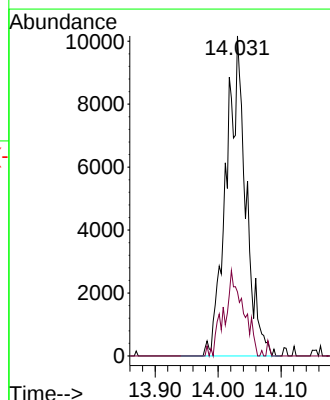
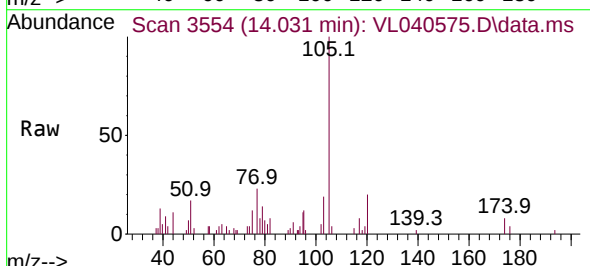
RT: 14.031 min Scan# 3554

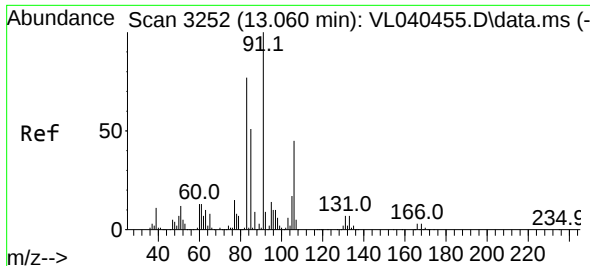
Delta R.T. -0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

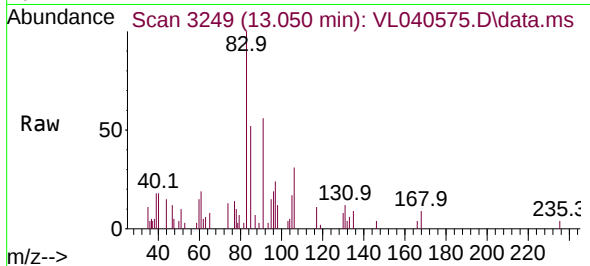
Tgt Ion:	105	Resp:	22149
Ion Ratio	Lower	Upper	
105	100		
120	26.1	20.8	31.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.081 ppbv m
RT: 13.050 min Scan# 31
Delta R.T. -0.010 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

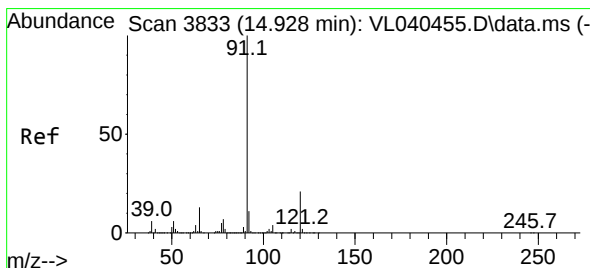
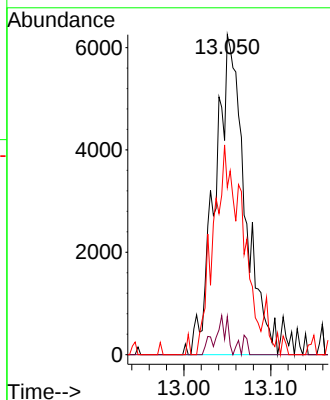
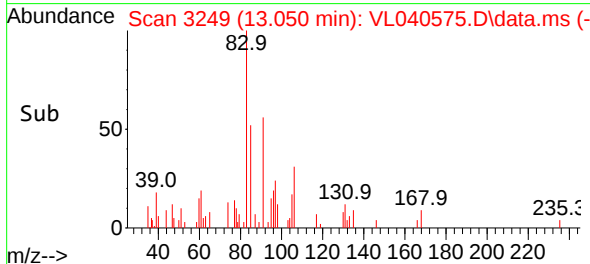
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 83 Resp: 14958
Ion Ratio Lower Upper
83 100
131 5.5 4.6 13.8
85 68.6 32.8 98.3

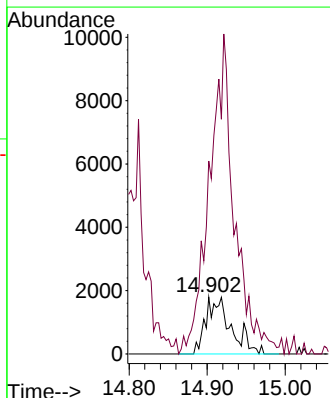
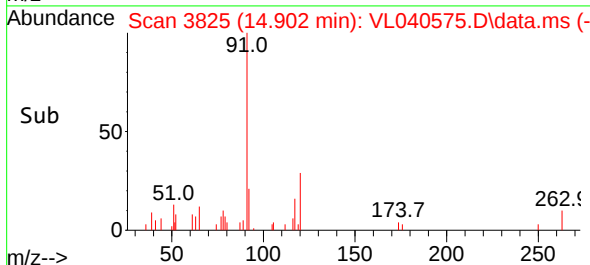
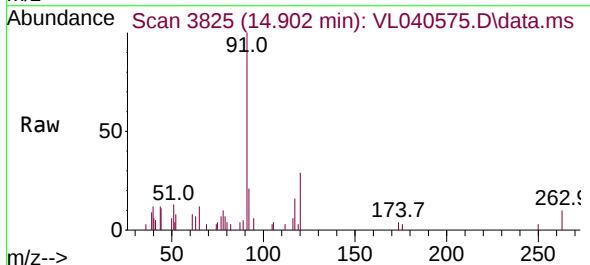
Manual Integrations
APPROVED

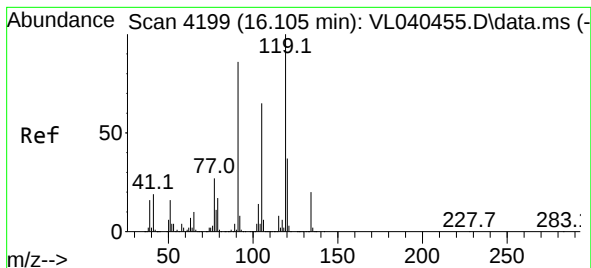
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#64
n-propylbenzene
Concen: 0.039 ppbv m
RT: 14.902 min Scan# 3825
Delta R.T. -0.029 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion:120 Resp: 3976
Ion Ratio Lower Upper
120 100
91 566.5 374.3 561.5#





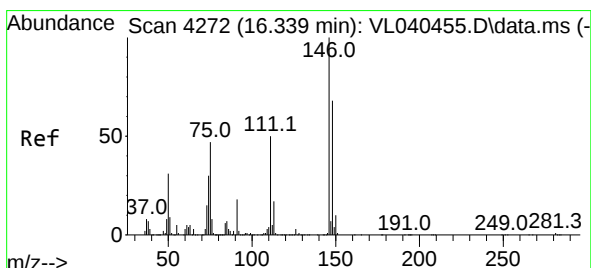
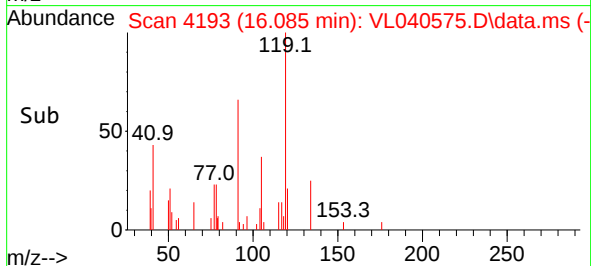
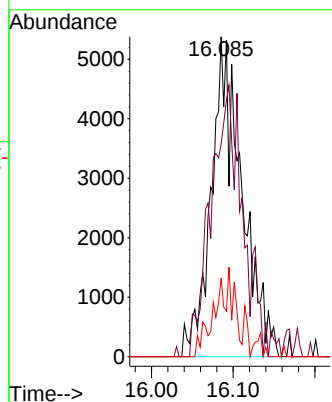
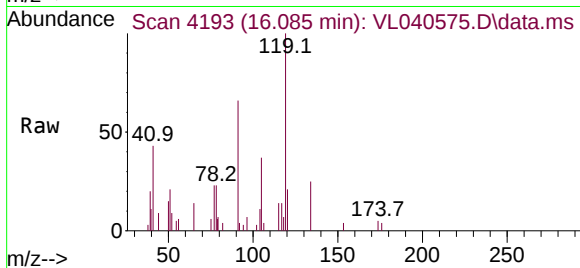
#65
tert-Butylbenzene
Concen: 0.040 ppbv m
RT: 16.085 min Scan# 4199
Delta R.T. -0.016 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 119 Resp: 1401
Ion Ratio Lower Upper
119 100
91 0.0 66.1 99.1#
134 0.0 15.7 23.5#

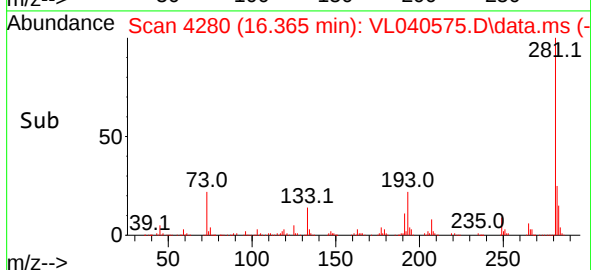
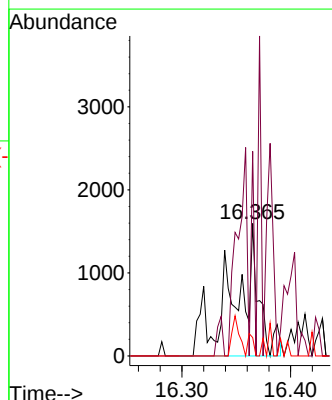
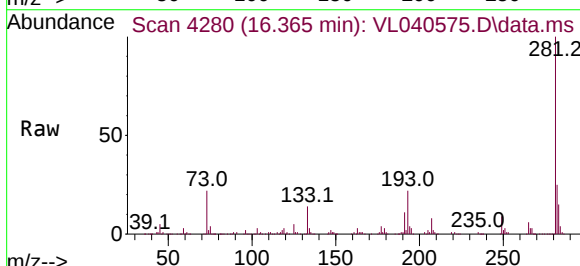
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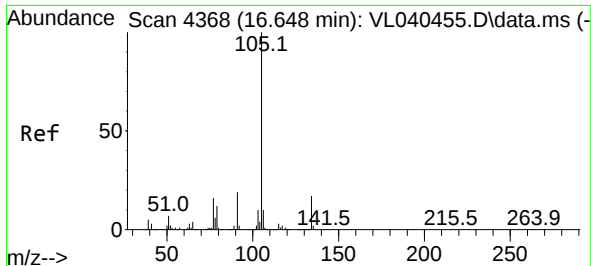
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#66
Benzyl Chloride
Concen: 0.103 ppbv m
RT: 16.365 min Scan# 4280
Delta R.T. 0.029 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 91 Resp: 2547
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.2#
128 0.0 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.046 ppbv m

RT: 16.635 min Scan# 4368

Delta R.T. -0.013 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

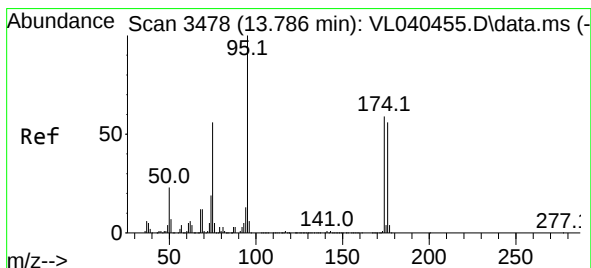
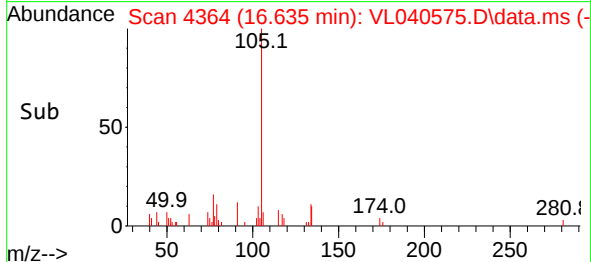
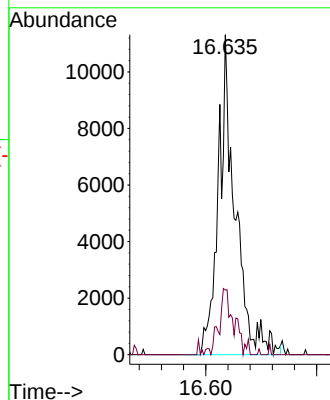
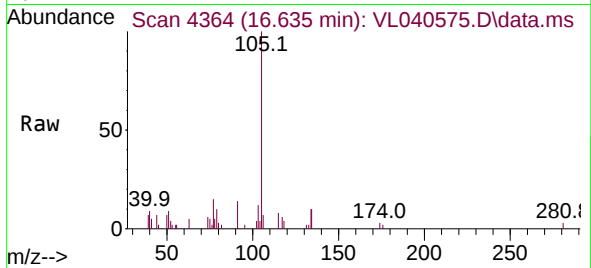
MDL-AIR-03-QT3-2023

Tgt Ion:105 Resp: 23645
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.4 21.6

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Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.535 ppbv

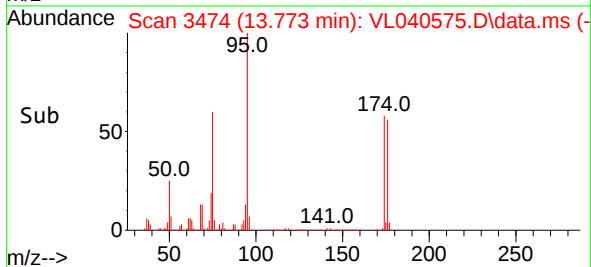
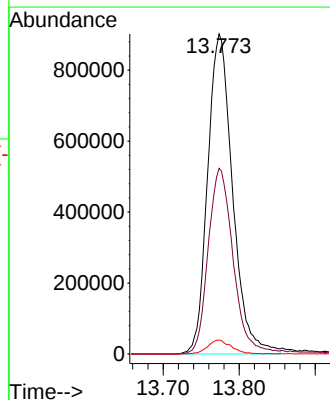
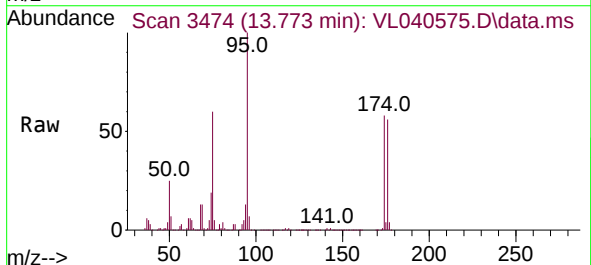
RT: 13.773 min Scan# 3474

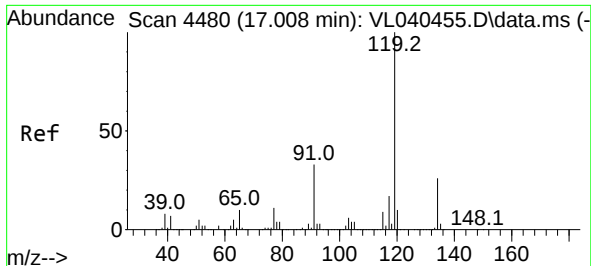
Delta R.T. -0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion: 95 Resp: 2059434
 Ion Ratio Lower Upper
 95 100
 174 59.0 50.6 75.8
 175 4.1 3.7 5.5





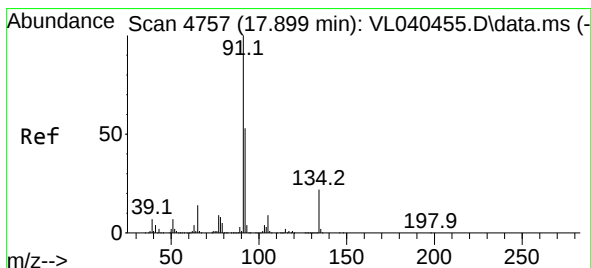
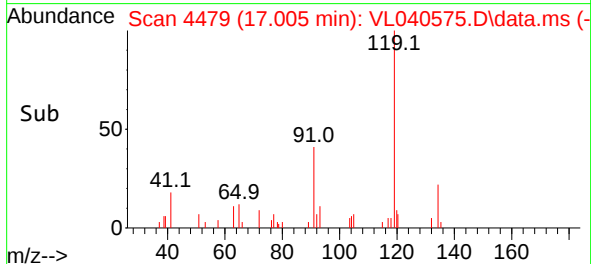
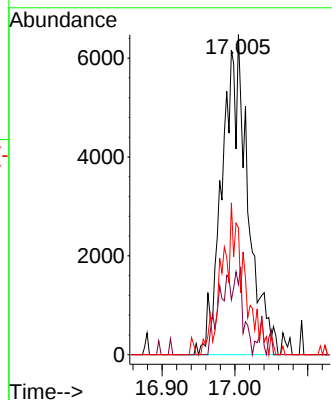
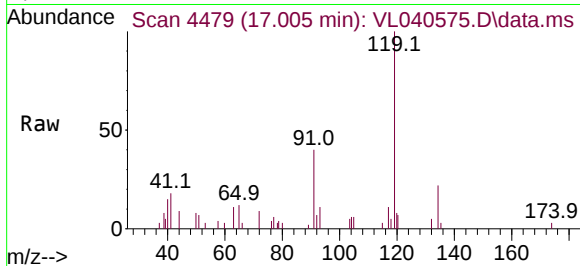
#69
p-Isopropyltoluene
Concen: 0.037 ppbv m
RT: 17.005 min Scan# 4480
Delta R.T. -0.000 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion:119 Resp: 15834
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7
91 0.0 23.8 35.8

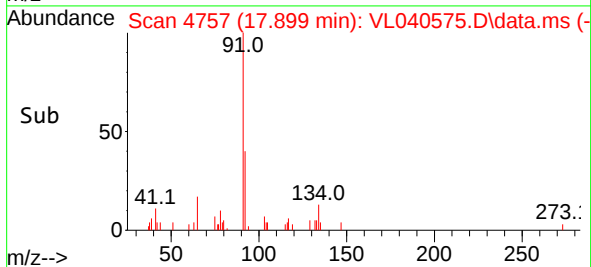
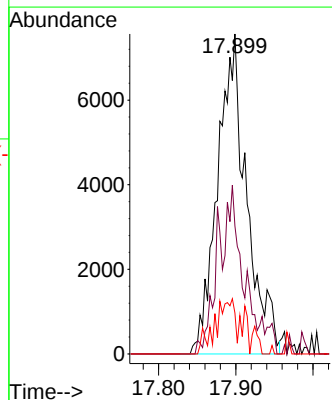
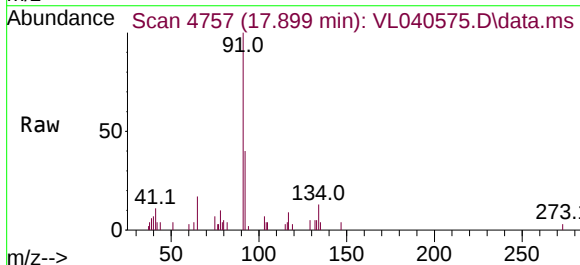
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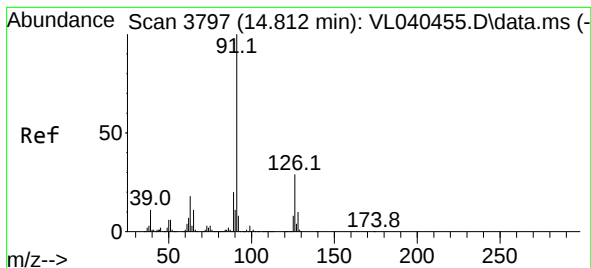
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#70
n-Butylbenzene
Concen: 0.042 ppbv m
RT: 17.899 min Scan# 4757
Delta R.T. 0.003 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Tgt Ion: 91 Resp: 19756
Ion Ratio Lower Upper
91 100
92 48.9 43.4 65.0
134 16.7 18.1 27.1





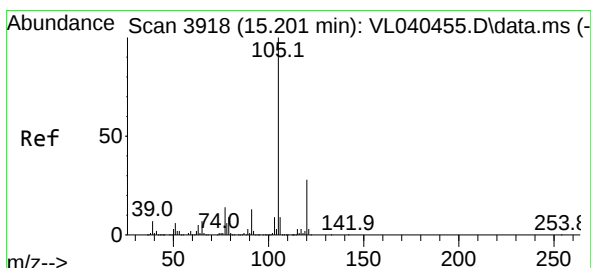
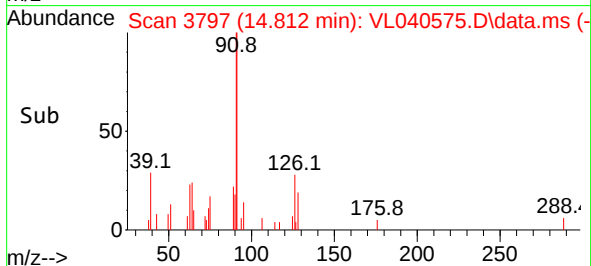
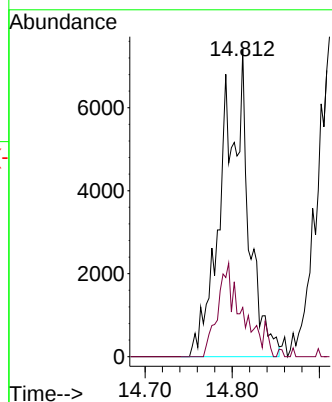
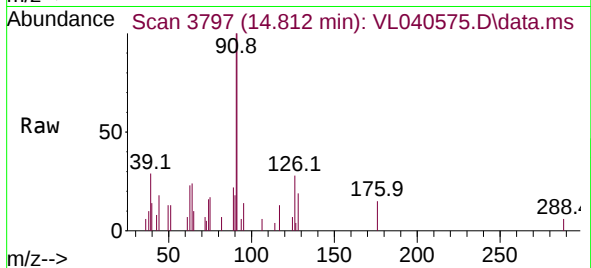
#71
2-Chlorotoluene
Concen: 0.050 ppbv m
RT: 14.812 min Scan# 3797
Delta R.T. -0.000 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Tgt Ion: 91 Resp: 15330
Ion Ratio Lower Upper
91 100
126 29.9 12.4 49.8

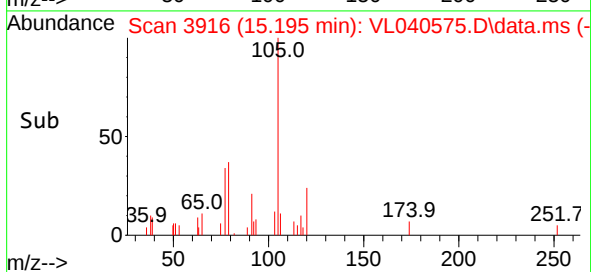
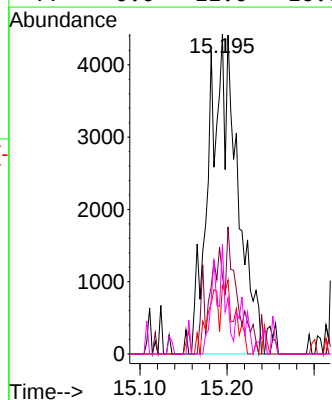
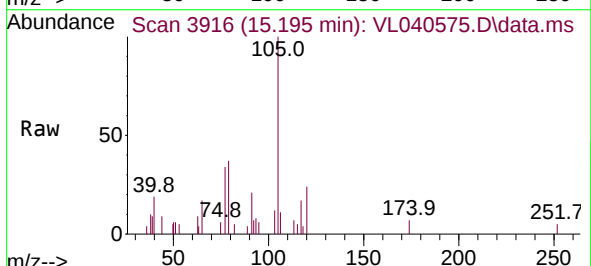
Manual Integrations
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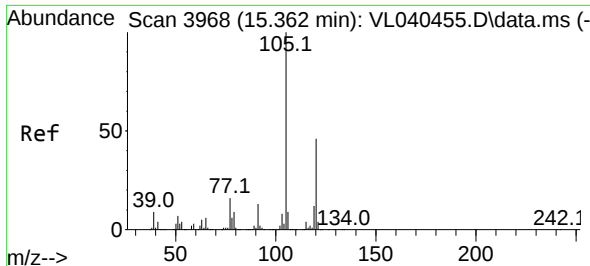
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#72
4-Ethyltoluene
Concen: 0.034 ppbv m
RT: 15.195 min Scan# 3916
Delta R.T. -0.010 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

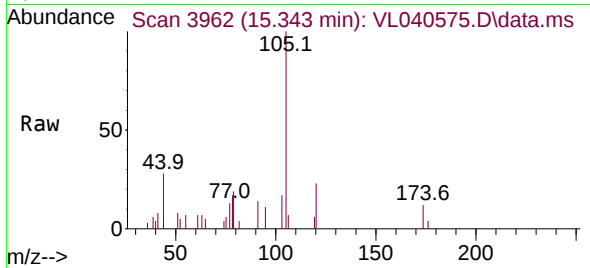
Tgt Ion:105 Resp: 10354
Ion Ratio Lower Upper
105 100
120 0.0 24.6 37.0#
91 0.0 10.7 16.1#
77 0.0 11.0 16.6#





#73
1,3,5-Trimethylbenzene
Concen: 0.037 ppbv m
RT: 15.343 min Scan# 3962
Delta R.T. -0.019 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

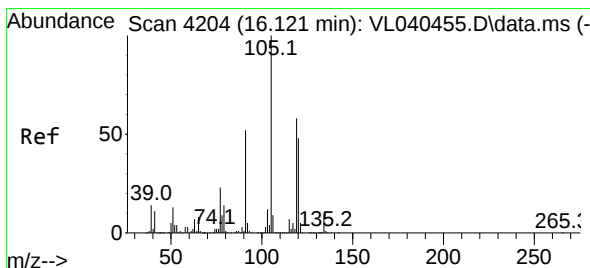
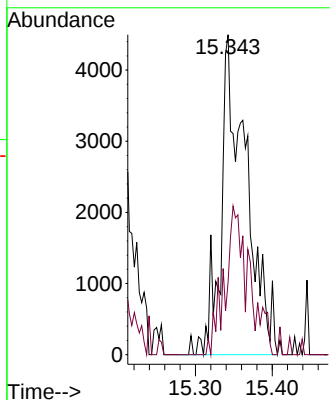
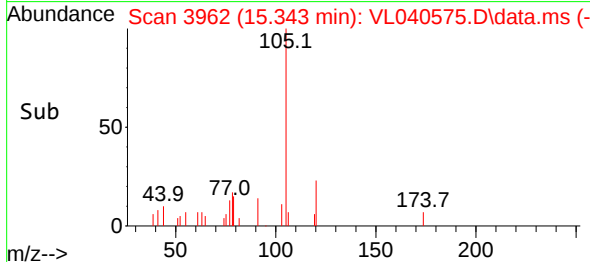
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



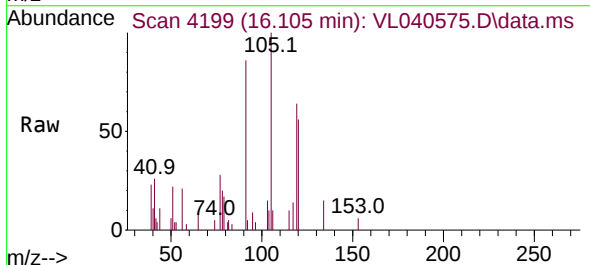
Tgt Ion:105 Resp: 10194
Ion Ratio Lower Upper
105 100
120 22.8 38.2 57.2

Manual Integrations
APPROVED

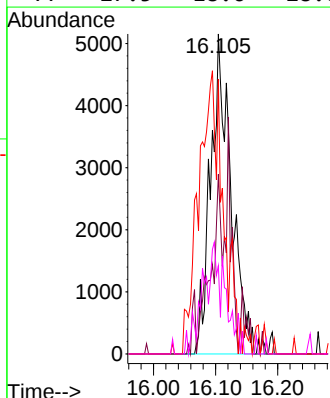
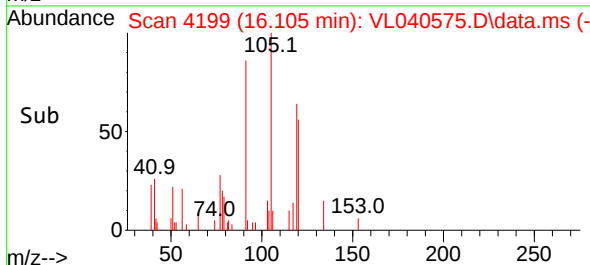
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

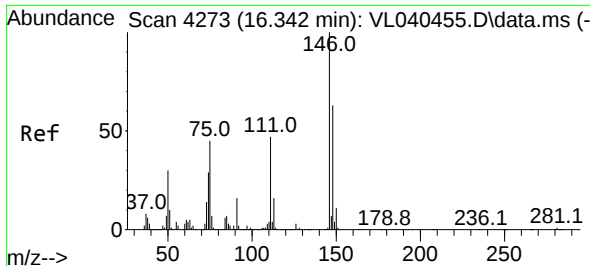


#74
1,2,4-Trimethylbenzene
Concen: 0.038 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. -0.013 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38



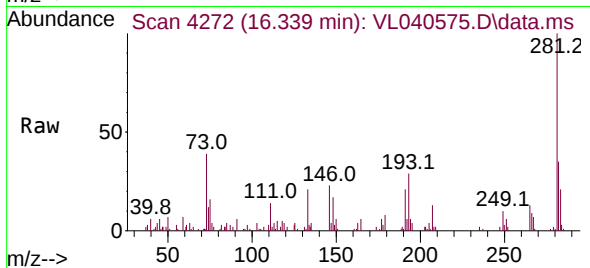
Tgt Ion:105 Resp: 11936
Ion Ratio Lower Upper
105 100
120 56.2 40.3 60.5
91 85.9 46.8 70.2#
77 27.5 18.6 28.0





#75
1,3-Dichlorobenzene
Concen: 0.070 ppbv m
RT: 16.339 min Scan# 4316
Delta R.T. -0.003 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38

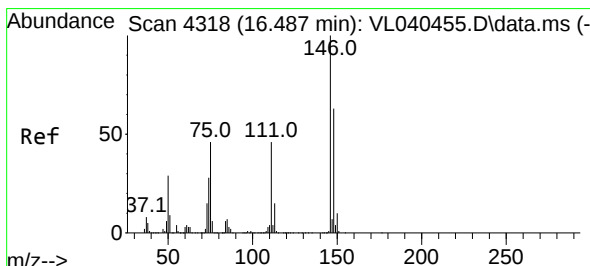
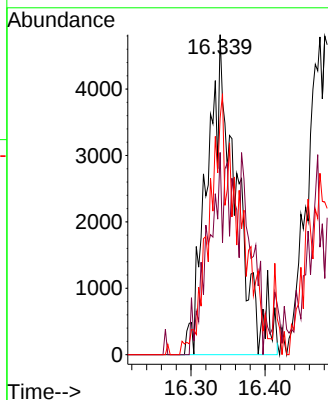
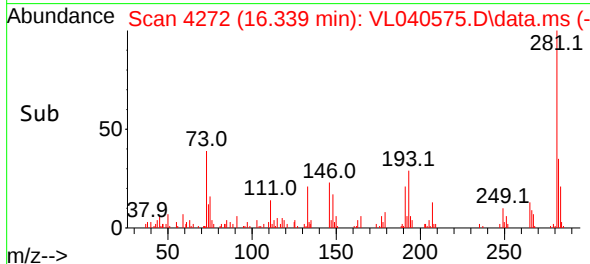
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



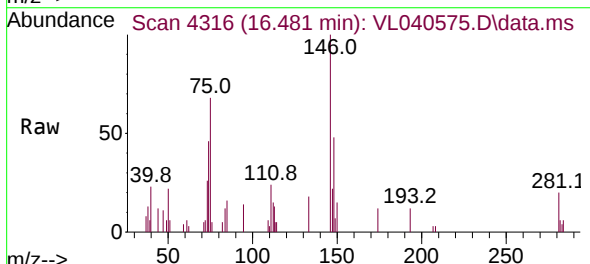
Tgt Ion:146 Resp: 13520
Ion Ratio Lower Upper
146 100
111 0.0 23.6 71.0
148 0.0 32.2 96.6

Manual Integrations
APPROVED

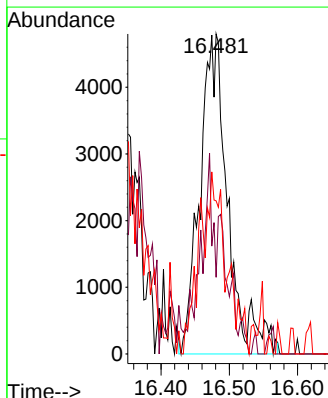
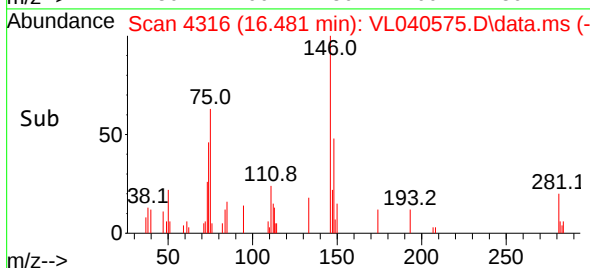
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023

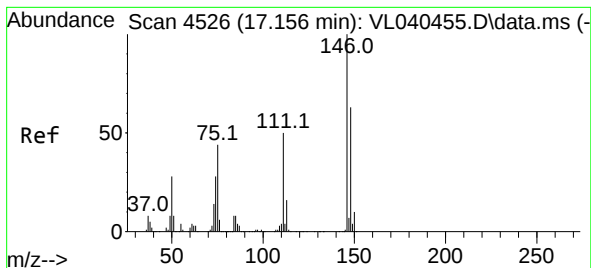


#76
1,4-Dichlorobenzene
Concen: 0.072 ppbv m
RT: 16.481 min Scan# 4316
Delta R.T. -0.006 min
Lab File: VL040575.D
Acq: 31 Jul 2023 16:38



Tgt Ion:146 Resp: 13678
Ion Ratio Lower Upper
146 100
111 52.2 22.8 68.3
148 54.1 32.6 97.8





#77

1,2-Dichlorobenzene

Concen: 0.063 ppbv m

RT: 17.150 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

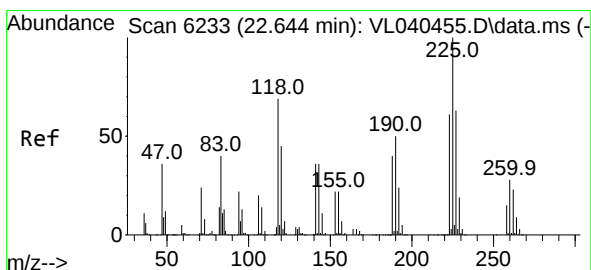
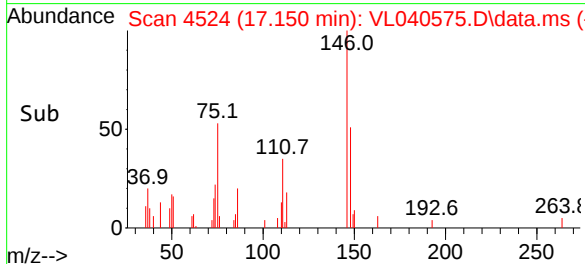
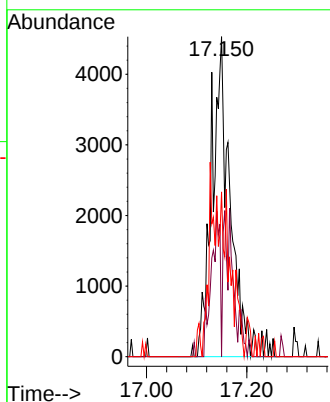
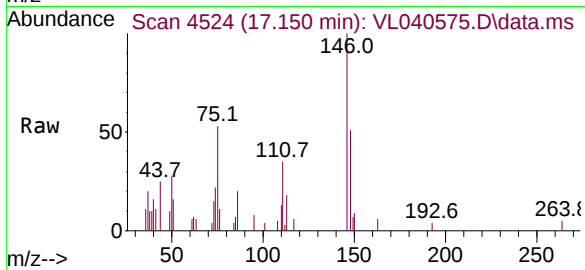
Tgt Ion:	146	Resp:	1158
Ion Ratio	Lower	Upper	
146	100		
111	0.0	24.3	72.8
148	59.0	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.081 ppbv m

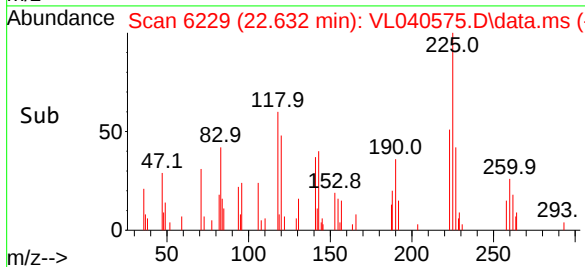
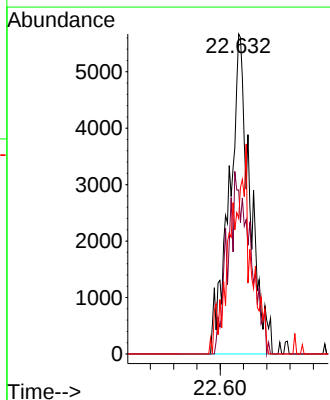
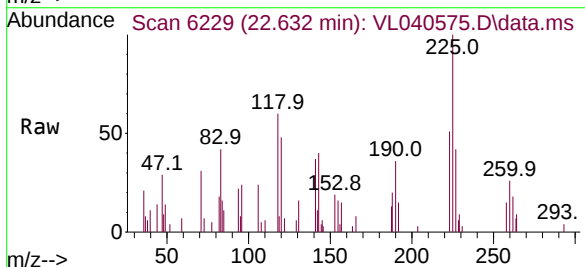
RT: 22.632 min Scan# 6229

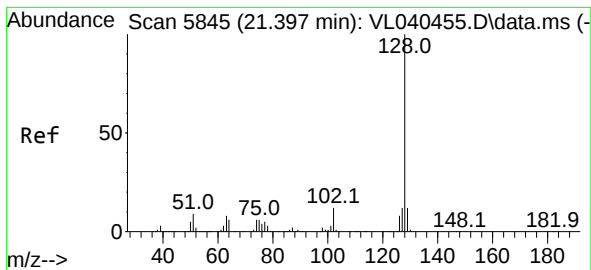
Delta R.T. -0.016 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion:	225	Resp:	13978
Ion Ratio	Lower	Upper	
225	100		
223	62.0	50.3	75.5
227	0.0	51.0	76.6





#79

Naphthalene

Concen: 0.031 ppbv m

RT: 21.397 min Scan# 5845

Delta R.T. 0.003 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023

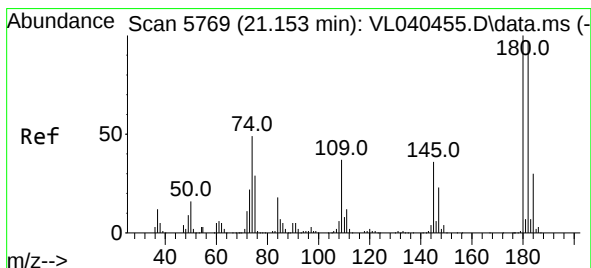
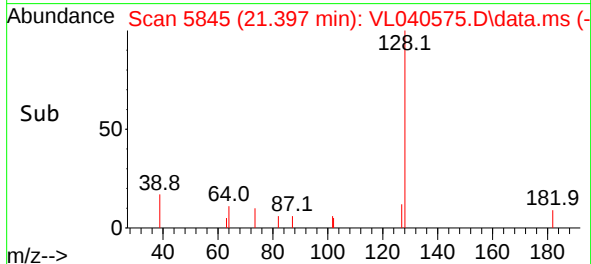
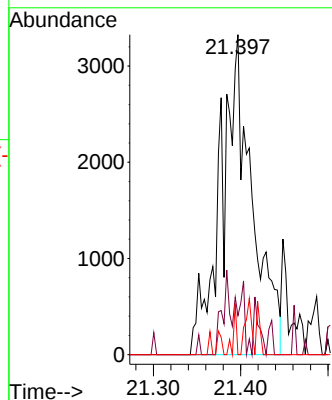
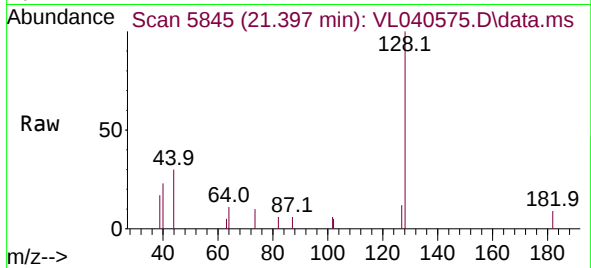
Tgt Ion:	128	Resp:	829
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.7	16.1
129	0.0	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023

Supervised By :Mahesh Dadoda 08/01/2023



#81

1,2,4-Trichlorobenzene

Concen: 0.044 ppbv m

RT: 21.159 min Scan# 5771

Delta R.T. 0.010 min

Lab File: VL040575.D

Acq: 31 Jul 2023 16:38

Tgt Ion:	180	Resp:	8065
Ion Ratio	Lower	Upper	
180	100		
182	0.0	77.5	116.3#
184	0.0	24.5	36.7#

