

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040771.D
 Acq On : 12 Oct 2023 1:11
 Operator : SY/MD
 Sample : 04699-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Quant Time: Oct 13 01:21:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/13/2023
 Supervised By : Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) Bromochloromethane	5.211	49	951764	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2717765	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2494680	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1871504	10.195	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	17052	0.102	ppbv	90
3) Chlorodifluoromethane	2.709	51	13751	0.098	ppbv #	88
4) Chloromethane	2.848	50	5900	0.107	ppbv #	73
5) Vinyl Chloride	2.947	62	5078m	0.089	ppbv	
6) Bromomethane	3.153	94	2443	0.103	ppbv #	44
7) Chloroethane	3.230	64	1669m	0.090	ppbv	
8) Dichlorotetrafluoroethane	2.890	85	12607	0.099	ppbv	84
9) Propene	2.722	41	8082m	0.156	ppbv	
10) Heptane	7.587	43	13407m	0.103	ppbv	
11) Trichlorofluoromethane	3.590	101	12170	0.094	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.095	101	8654m	0.094	ppbv	
13) Ethanol	3.291	45	1845m	0.157	ppbv	
14) Bromoethene	3.404	108	4394m	0.111	ppbv	
15) Acetone	3.523	43	15852m	0.161	ppbv	
16) 1,3-Butadiene	3.015	39	5645m	0.109	ppbv	
17) tert-Butyl alcohol	3.938	59	9585m	0.095	ppbv	
18) 1,1-Dichloroethene	3.912	96	5005m	0.121	ppbv	
19) Isopropyl Alcohol	3.632	45	9666m	0.153	ppbv	
20) Methylene Chloride	3.957	84	11521	0.281	ppbv #	88
21) Allyl Chloride	4.028	41	6064	0.093	ppbv #	74
22) trans-1,2-Dichloroethene	4.471	96	4216m	0.096	ppbv	
23) Vinyl Acetate	4.668	43	11596m	0.092	ppbv	
24) 1,1-Dichloroethane	4.581	63	7544m	0.080	ppbv	
25) Ethyl Acetate	5.240	43	21459m	0.100	ppbv	
26) Hexane	5.234	57	15421m	0.157	ppbv	
27) Carbon Disulfide	4.150	76	9027	0.083	ppbv #	61
28) Methyl tert-Butyl Ether	4.623	73	7382	0.096	ppbv	92
29) Chloroform	5.291	83	14157	0.099	ppbv	97
30) Cyclohexane	6.623	84	7605m	0.091	ppbv	
31) cis-1,2-Dichloroethene	5.095	61	7977	0.088	ppbv #	84
32) 1,1,1-Trichloroethane	6.015	97	12840m	0.085	ppbv	
34) 2-Butanone	4.835	43	14242m	0.116	ppbv	
35) Carbon Tetrachloride	6.510	117	12304m	0.081	ppbv	
36) Benzene	6.385	78	18980	0.091	ppbv #	89
37) 1,2-Dichloroethane	5.825	62	9995m	0.093	ppbv	
38) Trichloroethene	7.301	130	8893m	0.096	ppbv	
39) 1,2-Dichloropropane	7.092	63	10130m	0.124	ppbv	
40) 1,4-Dioxane	7.352	88	3987m	0.129	ppbv	
41) Tetrahydrofuran	5.610	42	7890m	0.093	ppbv	
42) Bromodichloromethane	7.256	83	12977m	0.081	ppbv	
43) Methyl Methacrylate	7.491	69	7471m	0.089	ppbv	
44) 2,2,4-Trimethylpentane	7.336	57	31856	0.090	ppbv	95
45) t-1,3-Dichloropropene	8.725	75	3694m	0.055	ppbv	

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Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 13 01:21:56 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	5373m	0.066	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	7684m	0.090	ppbv	
48) Dibromochloromethane	9.716	129	10535m	0.073	ppbv	
49) Bromoform	12.410	173	6673m	0.057	ppbv	
50) 4-Methyl-2-Pentanone	8.227	43	17771m	0.084	ppbv	
51) 2-Hexanone	9.597	43	12310m	0.077	ppbv	
52) Tetrachloroethene	10.619	164	7827m	0.092	ppbv	
53) Toluene	9.230	91	25321m	0.102	ppbv	
54) 1,2-Dibromoethane	10.018	107	9397m	0.078	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.519	131	8005m	0.079	ppbv	
57) Chlorobenzene	11.539	112	18411m	0.103	ppbv	
58) Ethyl Benzene	12.092	91	29063m	0.093	ppbv	
59) m/p-Xylene	12.378	91	46545m	0.180	ppbv	
60) o-Xylene	13.060	91	22729m	0.092	ppbv	
61) Styrene	12.902	104	10287m	0.075	ppbv	
62) Isopropylbenzene	14.037	105	34206m	0.090	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	15508m	0.084	ppbv	
64) n-propylbenzene	14.915	120	9973m	0.098	ppbv	
65) tert-Butylbenzene	16.092	119	32825m	0.096	ppbv	
66) Benzyl Chloride	16.355	91	1239m	0.036	ppbv	
67) sec-Butylbenzene	16.648	105	45206m	0.097	ppbv	
69) p-Isopropyltoluene	17.005	119	32511m	0.083	ppbv	
70) n-Butylbenzene	17.899	91	32098m	0.083	ppbv	
71) 2-Chlorotoluene	14.805	91	26773m	0.094	ppbv	
72) 4-Ethyltoluene	15.198	105	24744m	0.086	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	22550m	0.089	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	23927m	0.086	ppbv	
75) 1,3-Dichlorobenzene	16.336	146	15400m	0.089	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	13853m	0.081	ppbv	
77) 1,2-Dichlorobenzene	17.153	146	16641m	0.098	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	13157m	0.109	ppbv	
79) Naphthalene	21.410	128	9665m	0.043	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	6390m	0.052	ppbv	

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

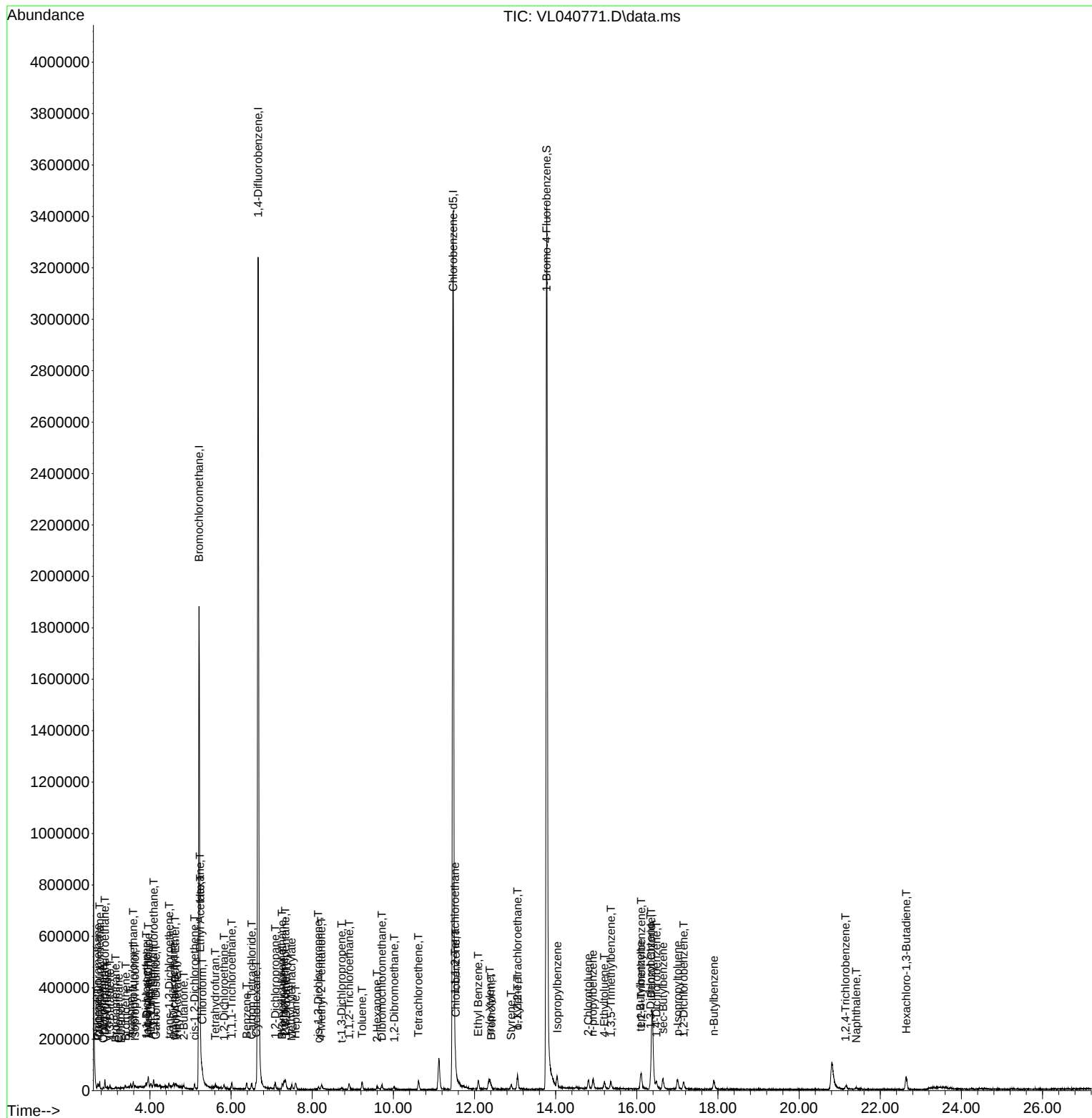
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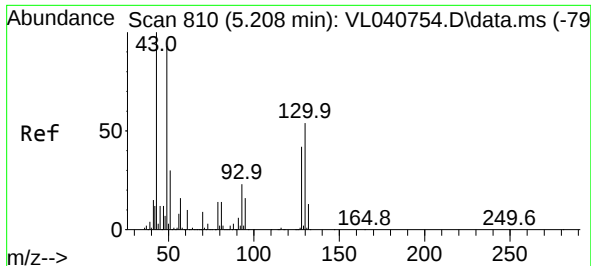
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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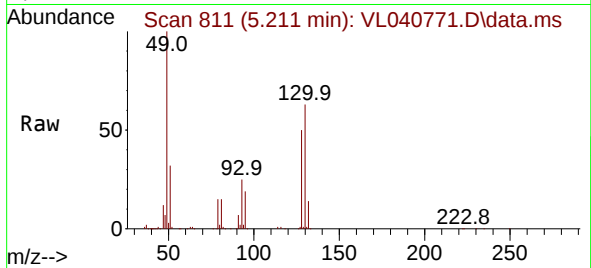
Reviewed By : Semsettin Yesilyurt 10/13/2023
Supervised By : Mahesh Dadoda 10/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

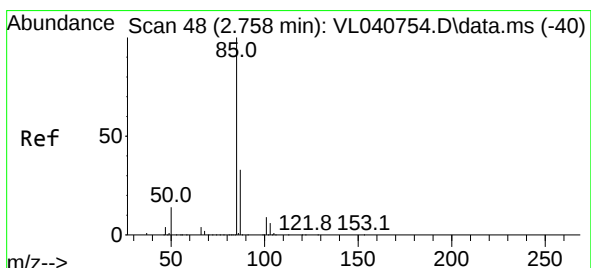
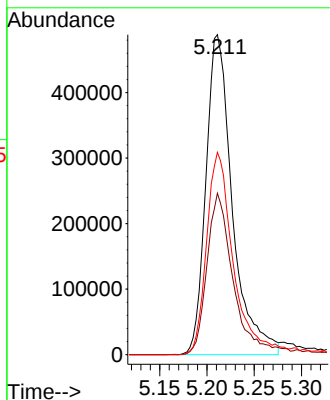
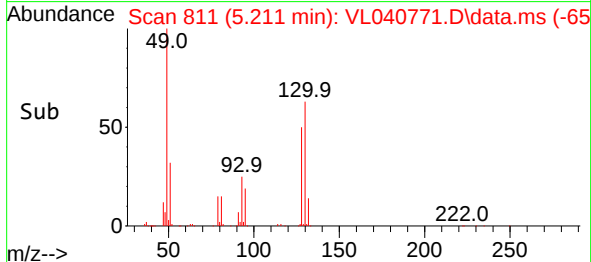
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 49 Resp: 951764
Ion Ratio Lower Upper
49 100
128 52.2 23.9 71.7
130 67.5 30.7 92.1

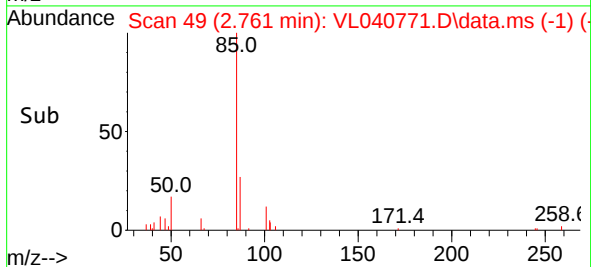
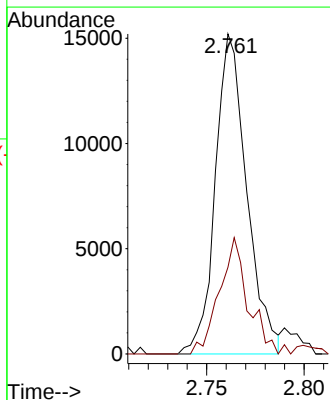
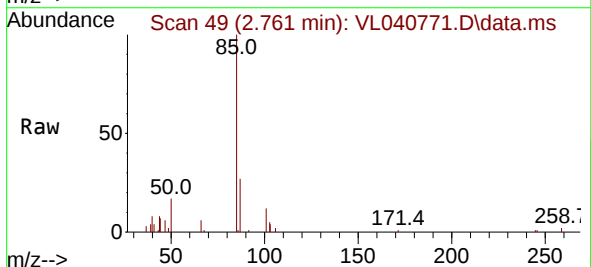
Manual Integrations
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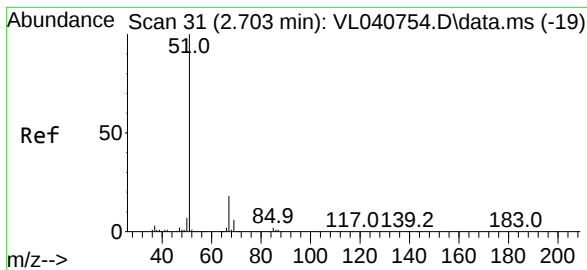
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#2
Dichlorodifluoromethane
Concen: 0.102 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

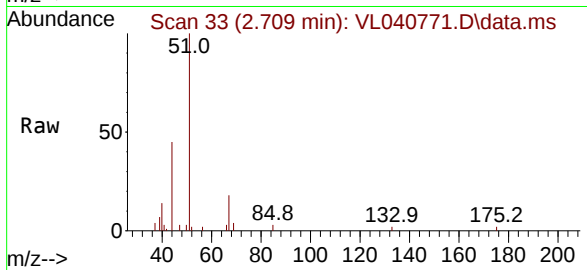
Tgt Ion: 85 Resp: 17052
Ion Ratio Lower Upper
85 100
87 27.1 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.098 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

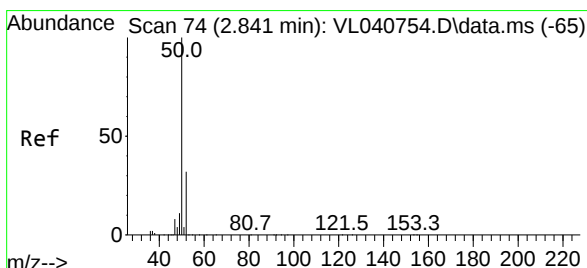
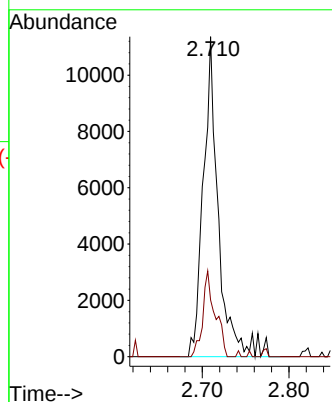
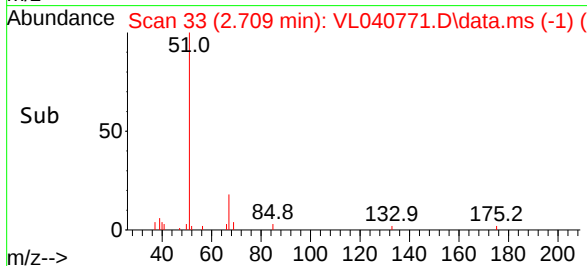
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 51 Resp: 1375
Ion Ratio Lower Upper
51 100
67 22.6 13.8 20.6

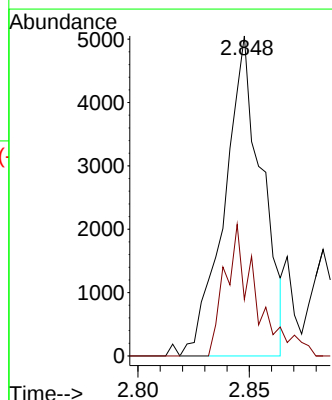
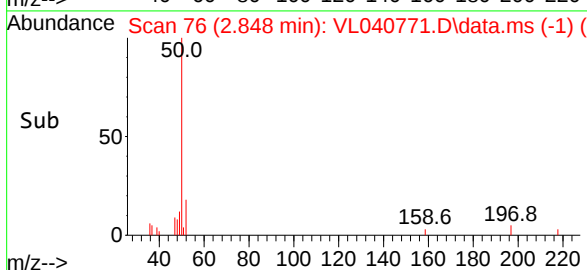
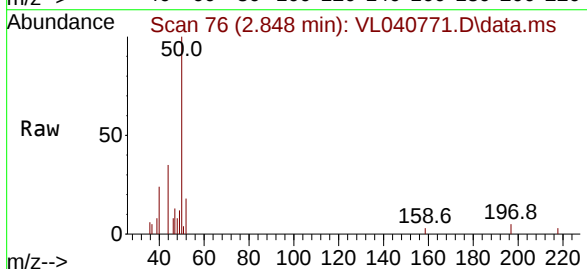
Manual Integrations
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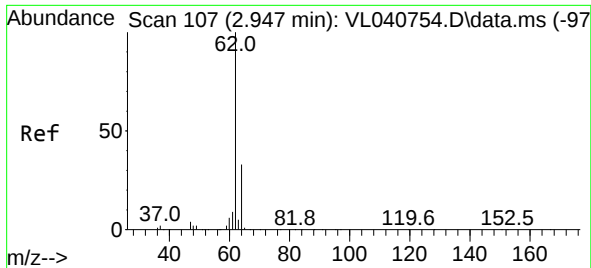
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#4
Chloromethane
Concen: 0.107 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

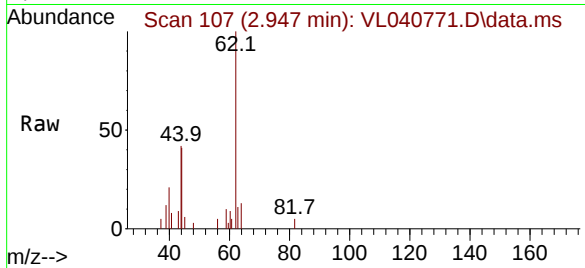
Tgt Ion: 50 Resp: 5900
Ion Ratio Lower Upper
50 100
52 16.9 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.089 ppbv m
 RT: 2.947 min Scan# 107
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

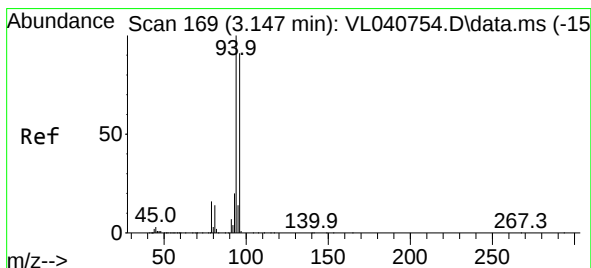
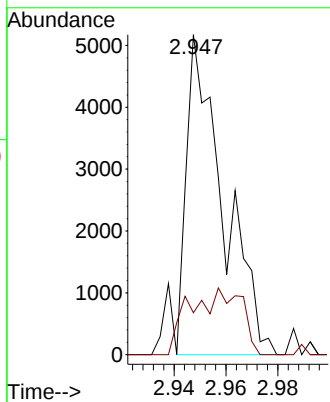
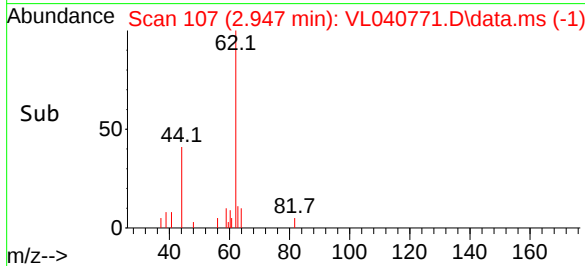
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 62 Resp: 5078
 Ion Ratio Lower Upper
 62 100
 64 13.1 26.6 39.8

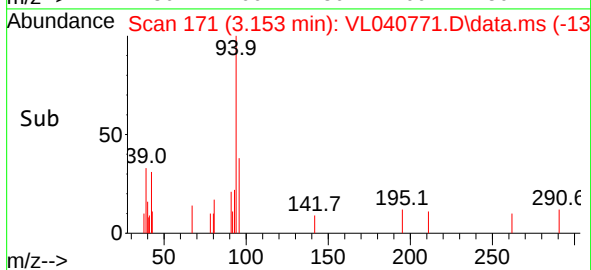
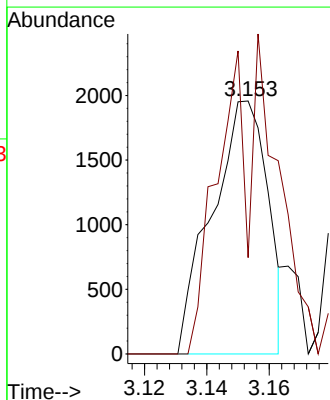
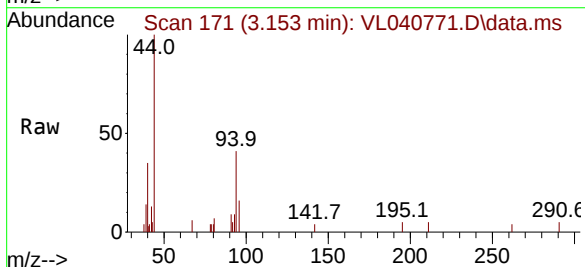
Manual Integrations
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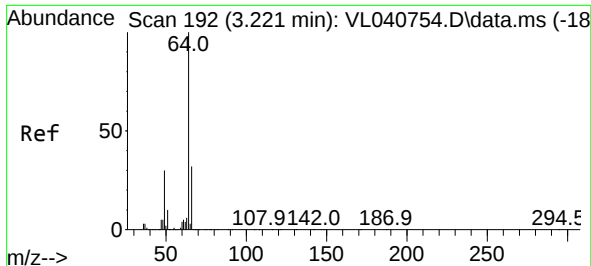
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#6
 Bromomethane
 Concen: 0.103 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

Tgt Ion: 94 Resp: 2443
 Ion Ratio Lower Upper
 94 100
 96 38.1 72.6 109.0#





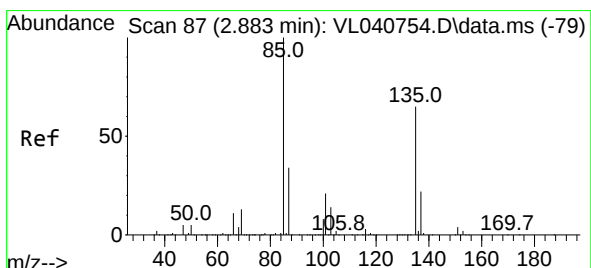
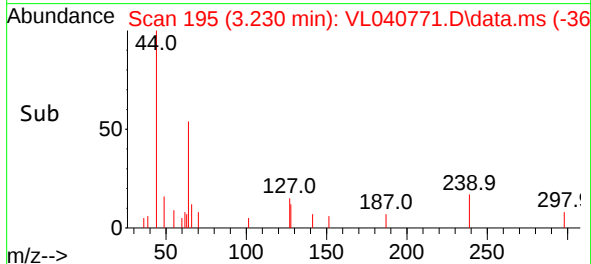
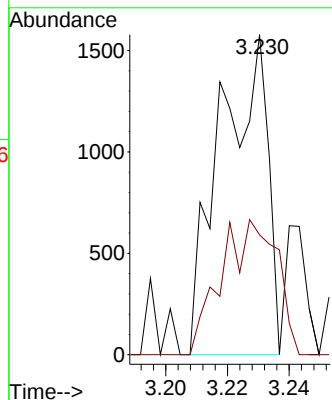
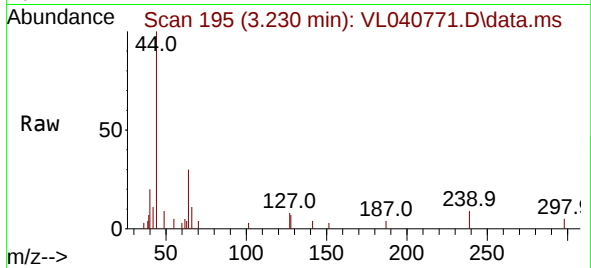
#7
Chloroethane
Concen: 0.090 ppbv m
RT: 3.230 min Scan# 192
Delta R.T. 0.010 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 64 Resp: 1669
Ion Ratio Lower Upper
64 100
66 37.5 25.4 38.2

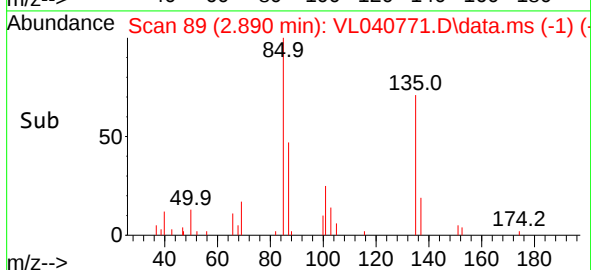
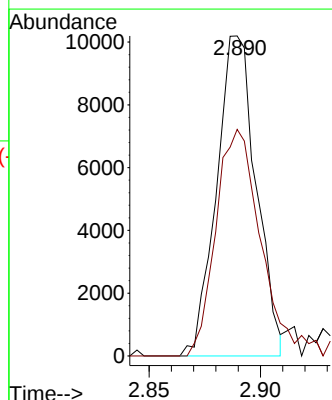
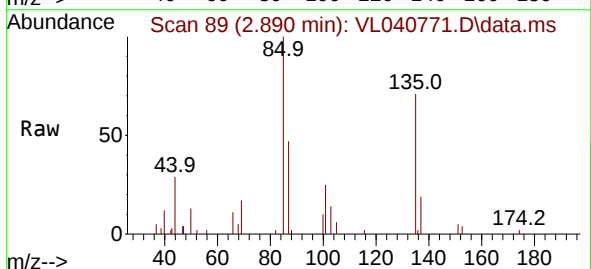
Manual Integrations
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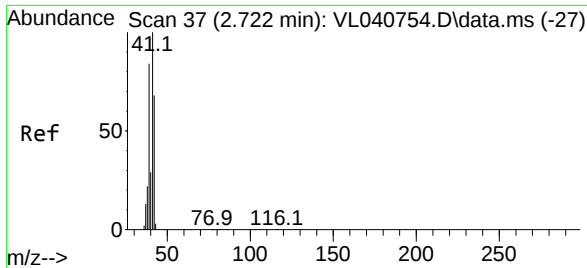
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#8
Dichlorotetrafluoroethane
Concen: 0.099 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 85 Resp: 12607
Ion Ratio Lower Upper
85 100
135 82.0 55.4 83.2





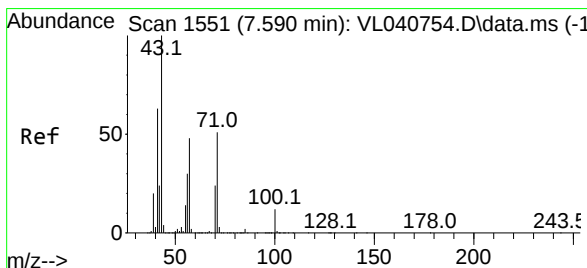
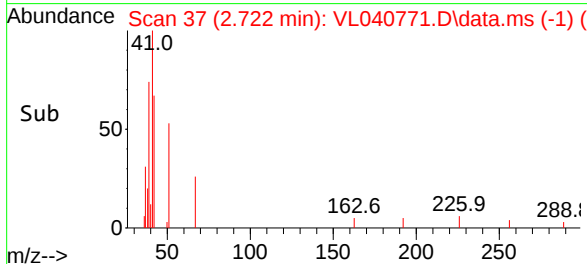
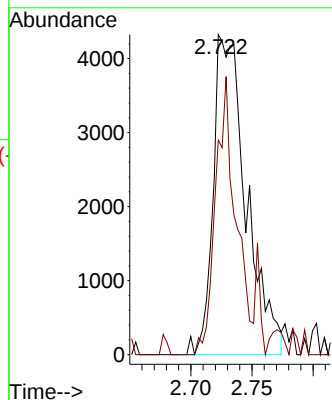
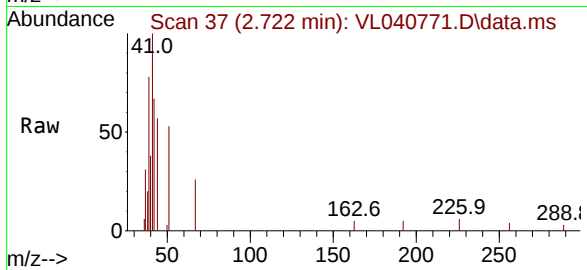
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 Propene
 Concen: 0.156 ppbv m
 RT: 2.722 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 41 Resp: 808
 Ion Ratio Lower Upper
 41 100
 42 3.6 57.1 85.7

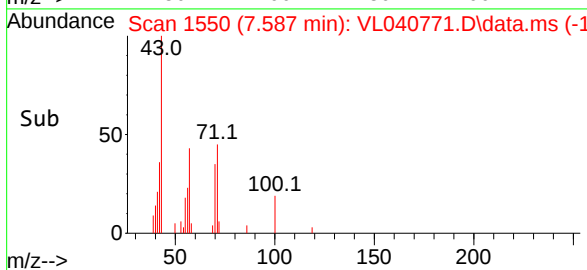
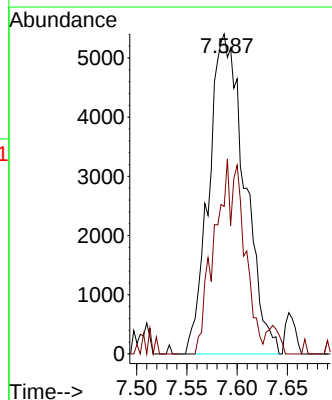
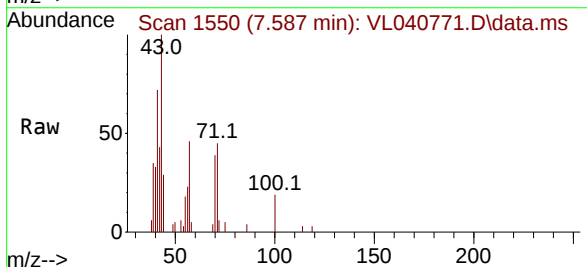
Manual Integrations
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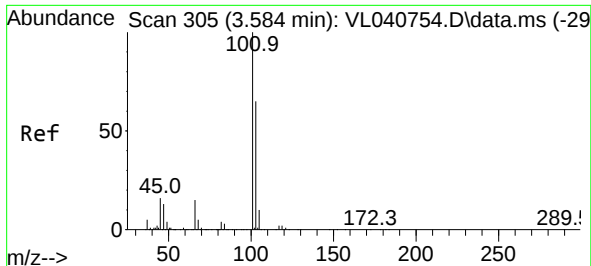
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#10
 Heptane
 Concen: 0.103 ppbv m
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

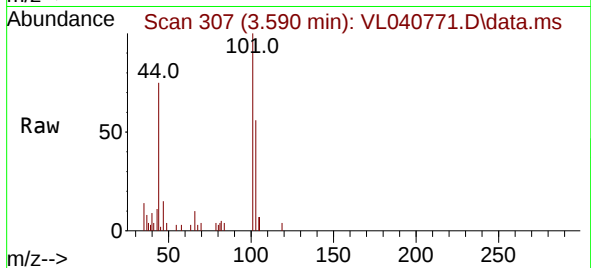
Tgt Ion: 43 Resp: 13407
 Ion Ratio Lower Upper
 43 100
 57 53.1 40.0 60.0





#11
 Trichlorofluoromethane
 Concen: 0.094 ppbv
 RT: 3.590 min Scan# 305
 Delta R.T. 0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

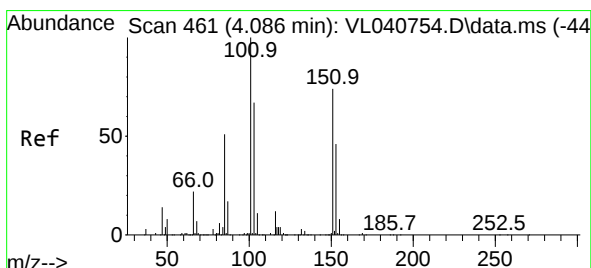
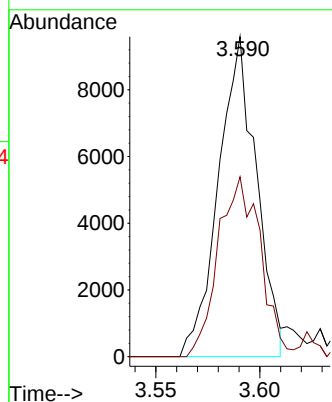
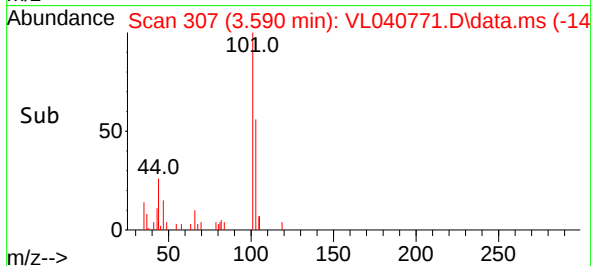
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion:101 Resp: 12170
 Ion Ratio Lower Upper
 101 100
 103 56.2 52.2 78.2

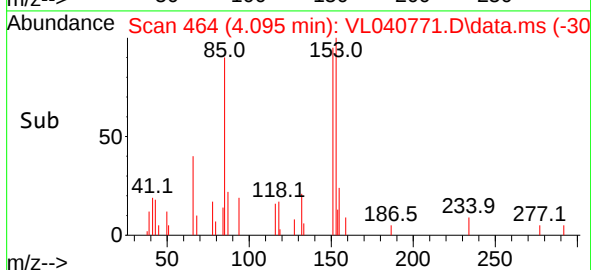
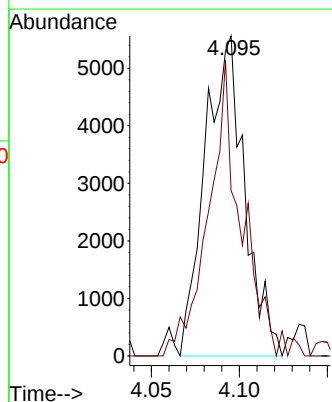
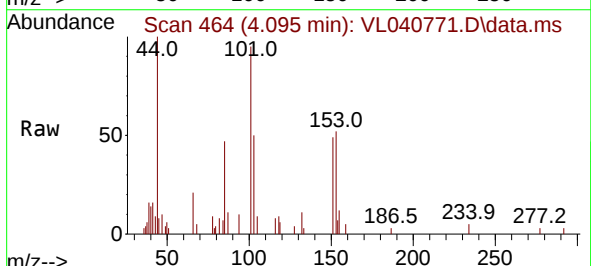
Manual Integrations
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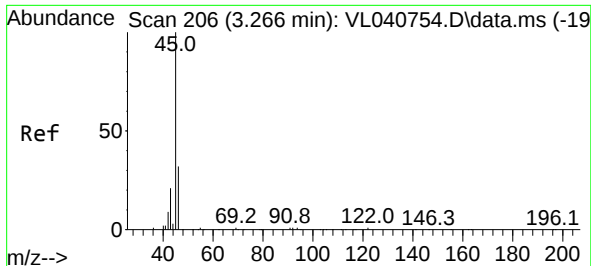
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.094 ppbv m
 RT: 4.095 min Scan# 464
 Delta R.T. 0.010 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

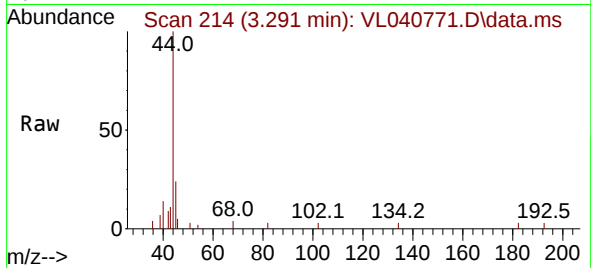
Tgt Ion:101 Resp: 8654
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.1 87.1#





#13
Ethanol
Concen: 0.157 ppbv m
RT: 3.291 min Scan# 214
Delta R.T. 0.026 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

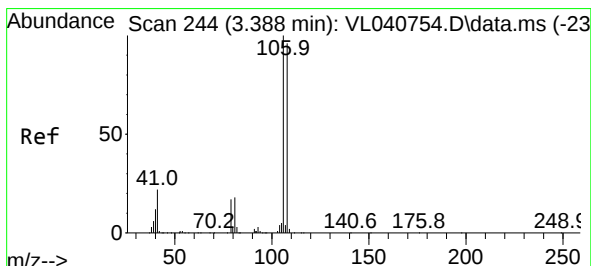
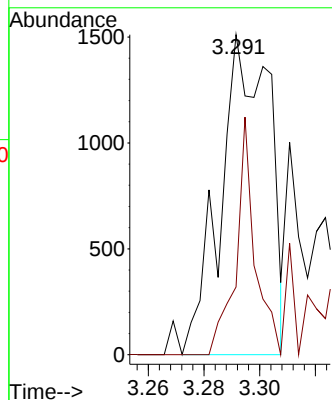
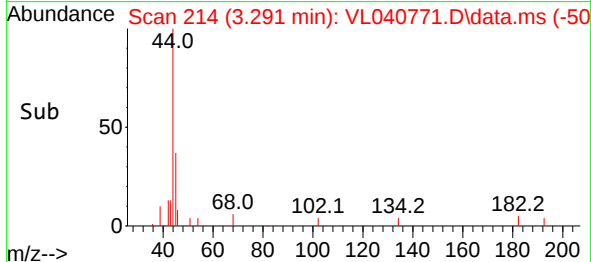
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 45 Resp: 1849
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.2

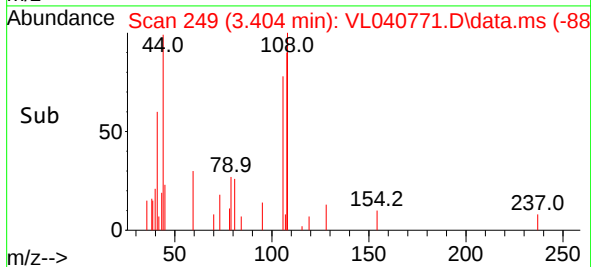
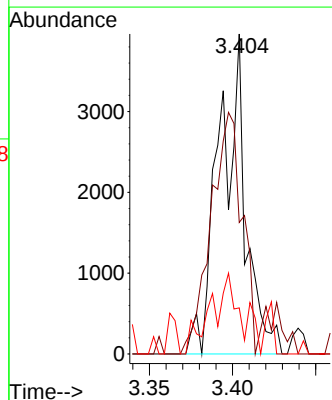
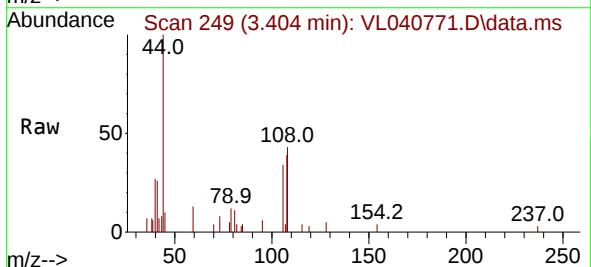
Manual Integrations
APPROVED

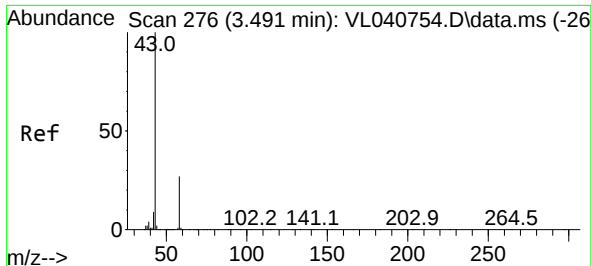
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#14
Bromoethene
Concen: 0.111 ppbv m
RT: 3.404 min Scan# 249
Delta R.T. 0.016 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:108 Resp: 4394
Ion Ratio Lower Upper
108 100
106 100.8 85.2 127.8
79 33.8 15.7 23.5





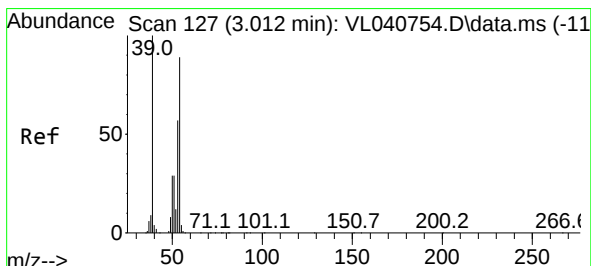
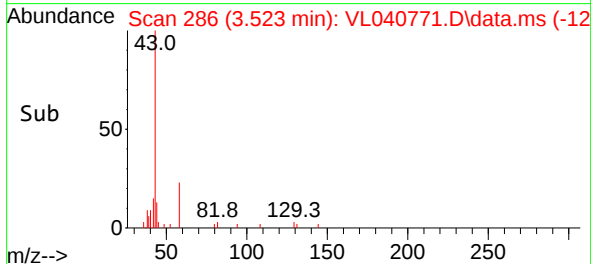
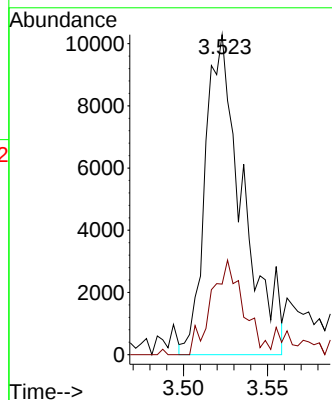
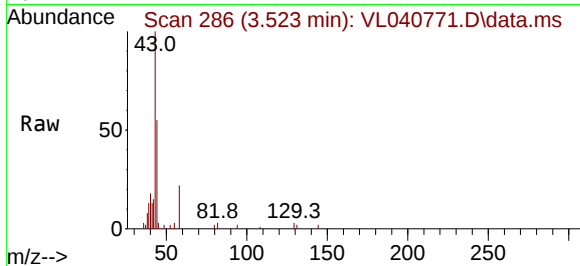
#15
Acetone
Concen: 0.161 ppbv m
RT: 3.523 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 43 Resp: 1585
Ion Ratio Lower Upper
43 100
58 0.0 21.6 32.4

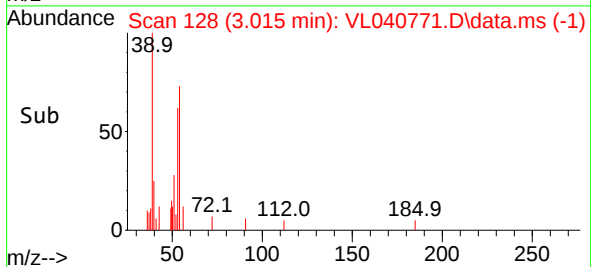
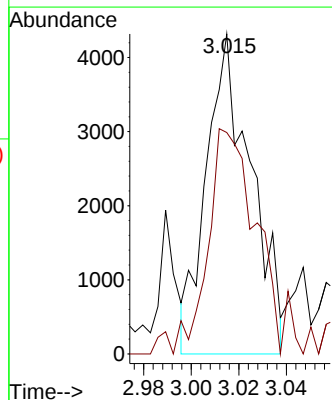
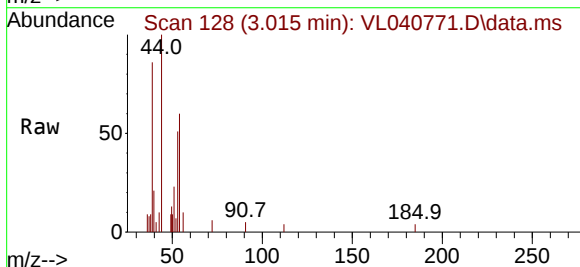
Manual Integrations
APPROVED

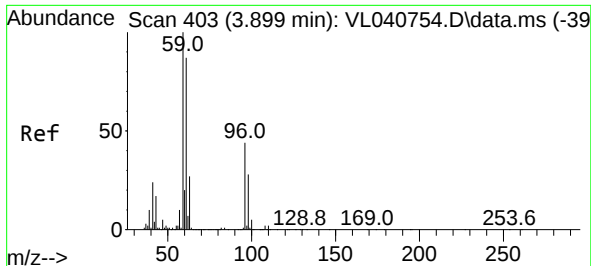
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#16
1,3-Butadiene
Concen: 0.109 ppbv m
RT: 3.015 min Scan# 128
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 39 Resp: 5645
Ion Ratio Lower Upper
39 100
54 83.6 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.095 ppbv m

RT: 3.938 min Scan# 415

Delta R.T. 0.039 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

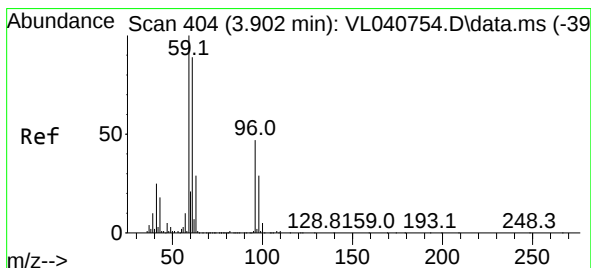
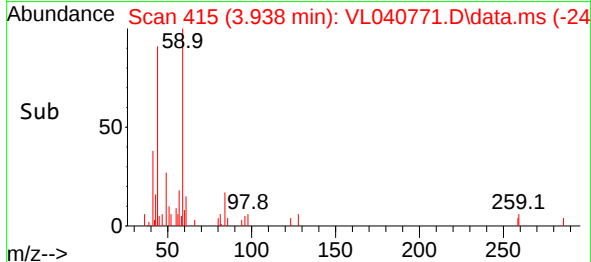
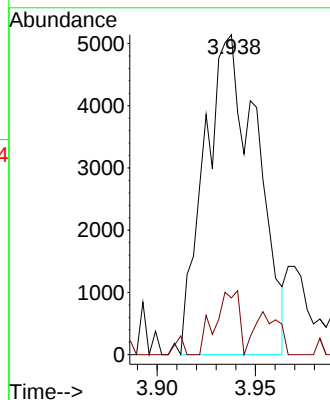
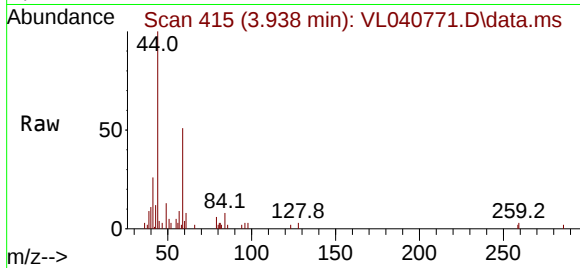
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 59 Resp: 958
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#18

1,1-Dichloroethene

Concen: 0.121 ppbv m

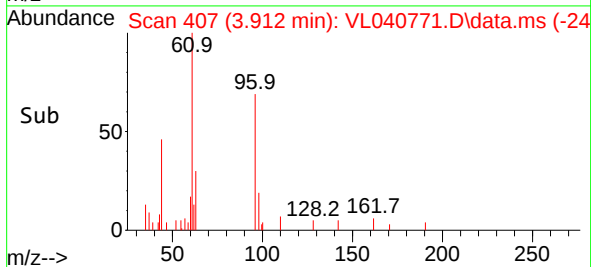
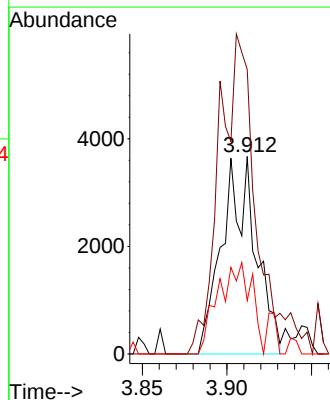
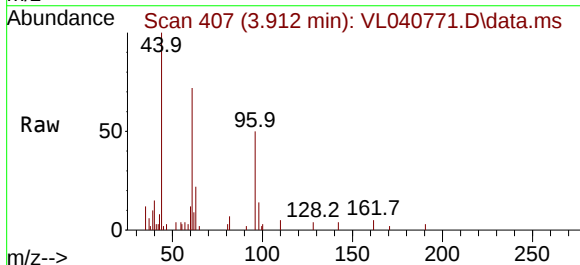
RT: 3.912 min Scan# 407

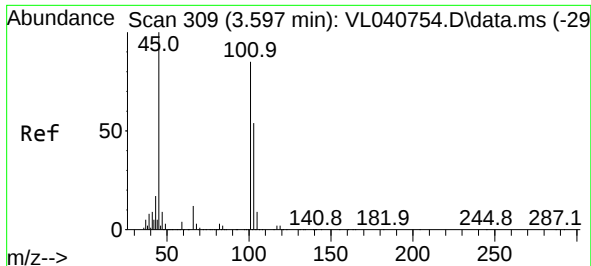
Delta R.T. 0.010 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

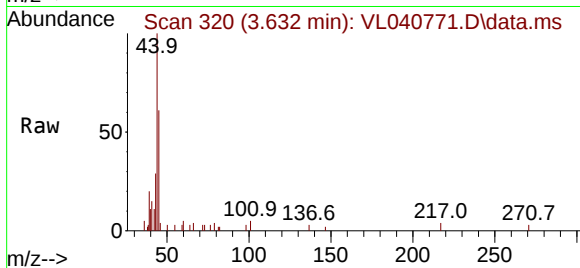
Tgt Ion: 96 Resp: 5005
 Ion Ratio Lower Upper
 96 100
 61 144.0 152.5 228.7#
 98 27.0 49.6 74.4#





#19
Isopropyl Alcohol
Concen: 0.153 ppbv m
RT: 3.632 min Scan# 310
Delta R.T. 0.035 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

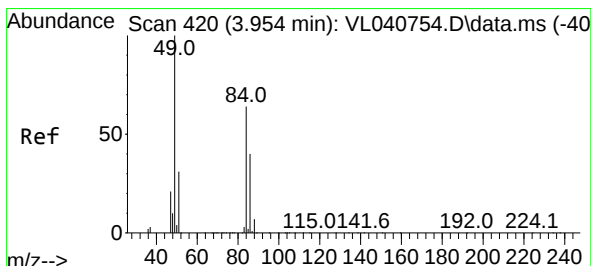
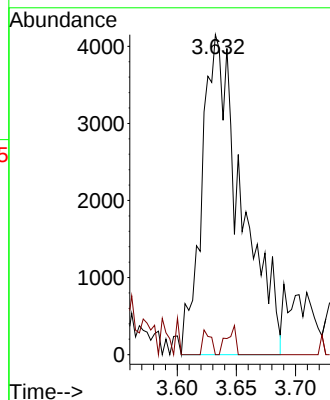
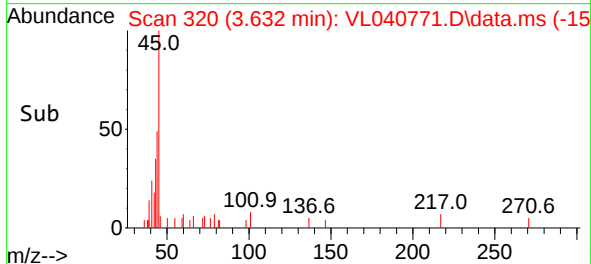
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



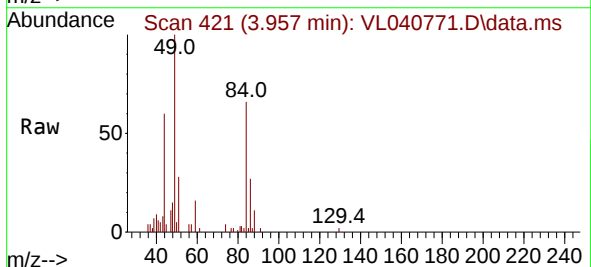
Tgt Ion: 45 Resp: 966
Ion Ratio Lower Upper
45 100
58 0.0 30.3 45.5

Manual Integrations
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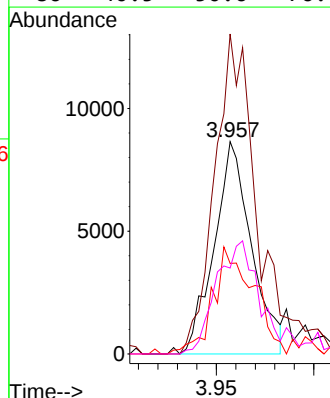
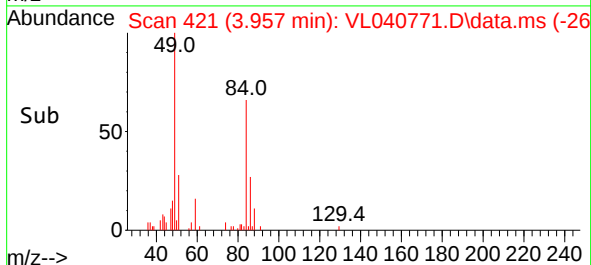
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

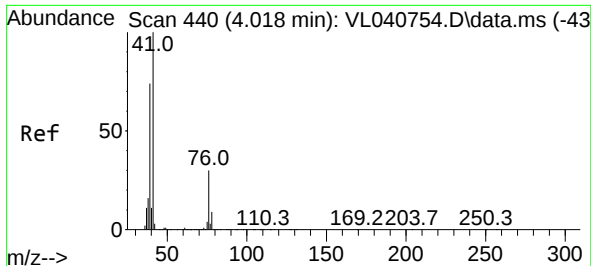


#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



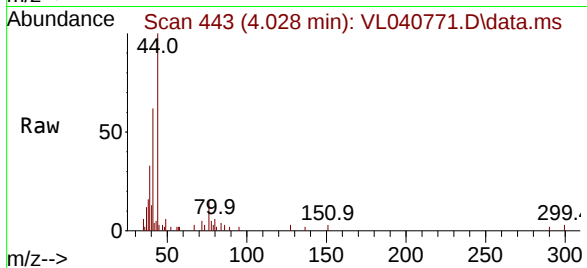
Tgt Ion: 84 Resp: 11521
Ion Ratio Lower Upper
84 100
49 150.7 125.6 188.4
51 40.6 38.9 58.3
86 40.5 50.6 76.0





#21
 Allyl Chloride
 Concen: 0.093 ppbv
 RT: 4.028 min Scan# 440
 Delta R.T. 0.010 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

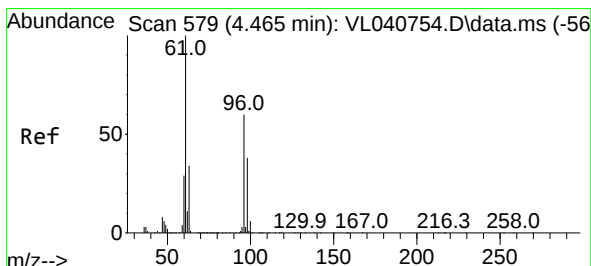
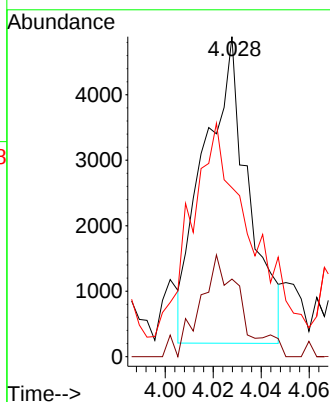
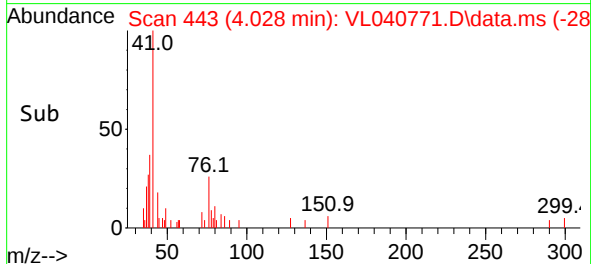
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 41 Resp: 6064
 Ion Ratio Lower Upper
 41 100
 76 31.4 24.1 36.1
 39 110.5 63.8 95.6

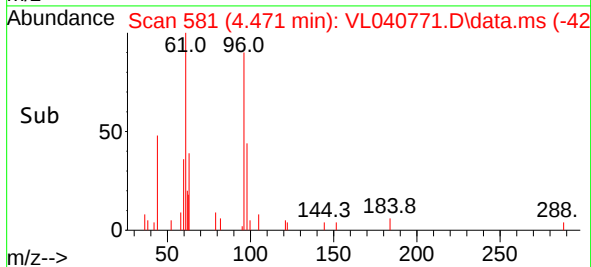
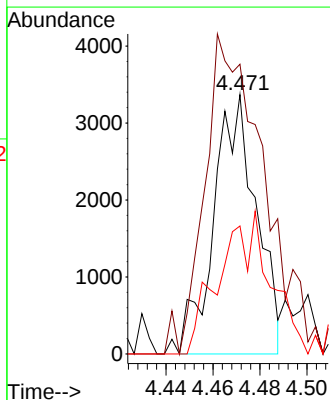
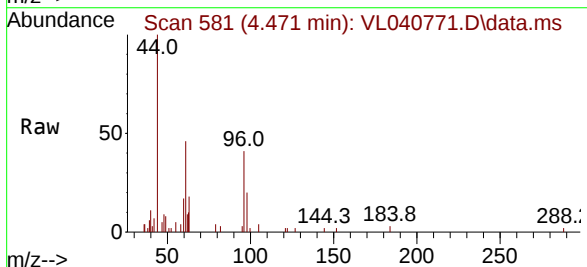
Manual Integrations
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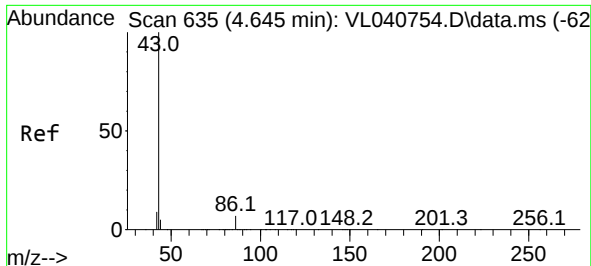
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.096 ppbv m
 RT: 4.471 min Scan# 581
 Delta R.T. 0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

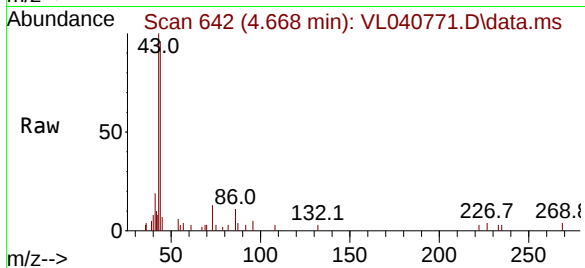
Tgt Ion: 96 Resp: 4216
 Ion Ratio Lower Upper
 96 100
 61 111.7 134.0 201.0#
 98 49.3 51.0 76.4#





#23
 Vinyl Acetate
 Concen: 0.092 ppbv m
 RT: 4.668 min Scan# 642
 Delta R.T. 0.022 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

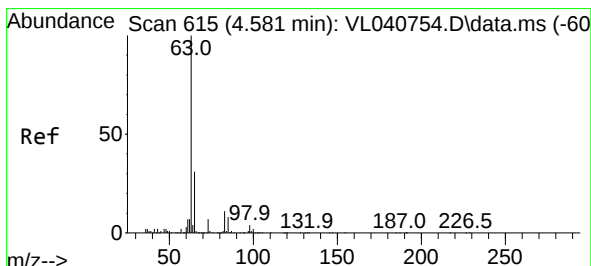
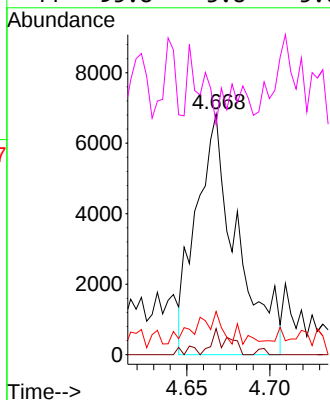
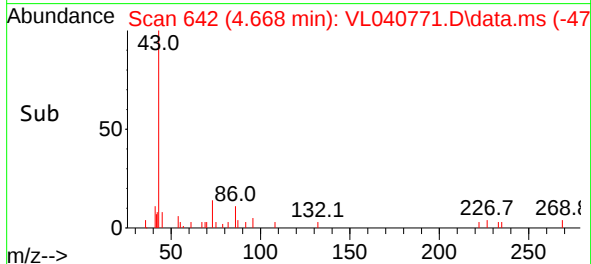
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 43 Resp: 11590
 Ion Ratio Lower Upper
 43 100
 86 10.9 4.9 7.3
 42 10.0 7.8 11.6
 44 95.8 3.8 5.6#

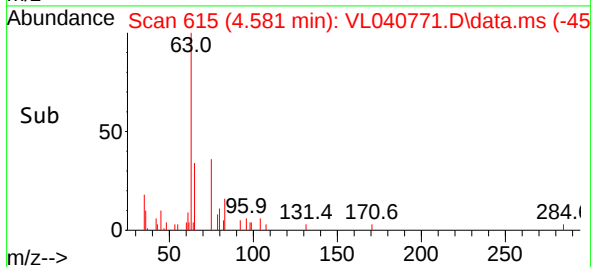
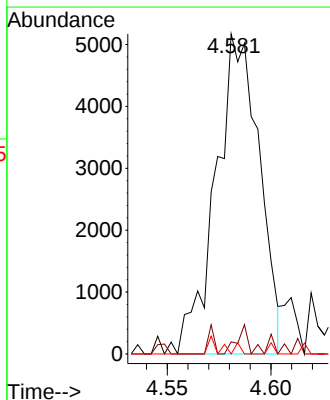
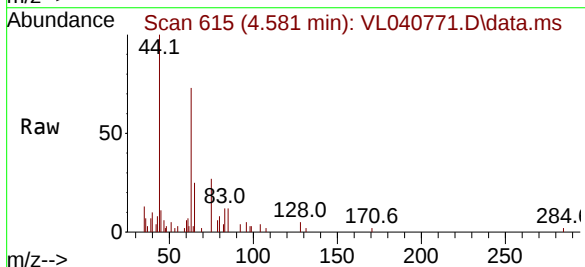
Manual Integrations
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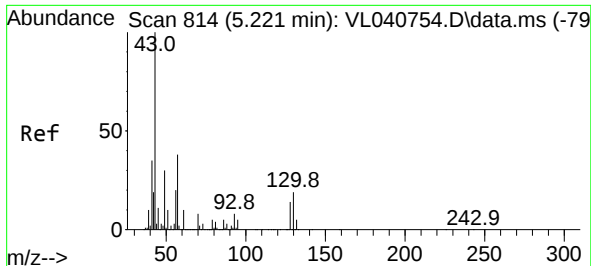
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#24
 1,1-Dichloroethane
 Concen: 0.080 ppbv m
 RT: 4.581 min Scan# 615
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

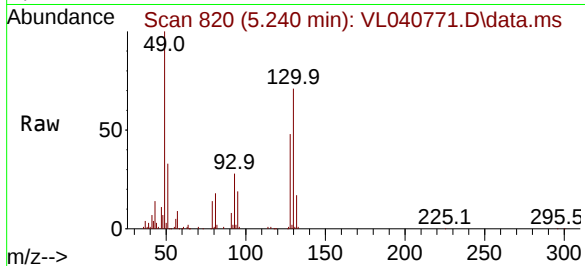
Tgt Ion: 63 Resp: 7544
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.0 5.8
 100 0.0 1.3 3.8#





#25
Ethyl Acetate
Concen: 0.100 ppbv m
RT: 5.240 min Scan# 814
Delta R.T. 0.019 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

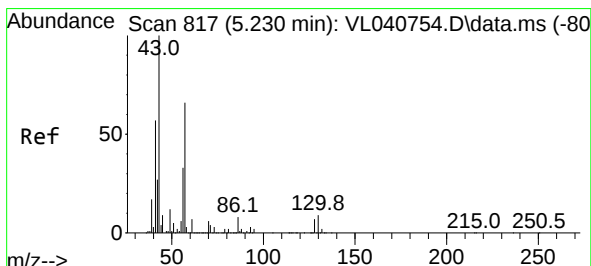
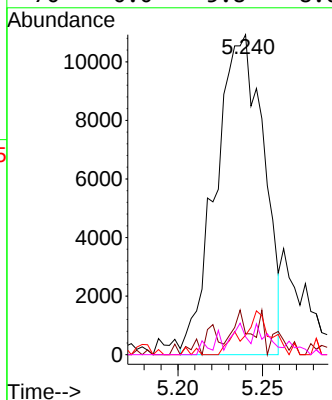
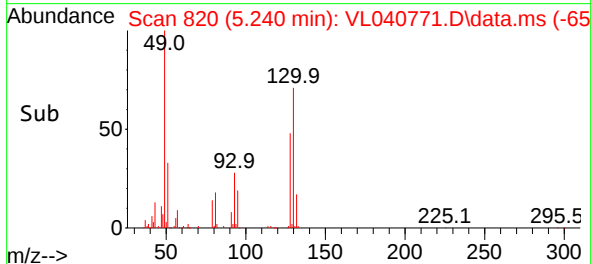
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 43 Resp: 21459
Ion Ratio Lower Upper
43 100
45 0.0 8.2 12.4#
61 0.0 8.2 12.2#
70 0.0 5.8 8.6#

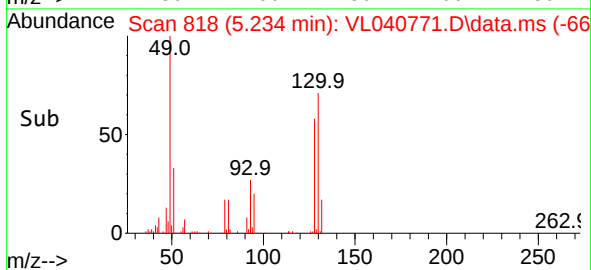
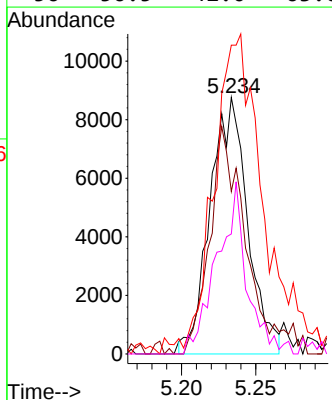
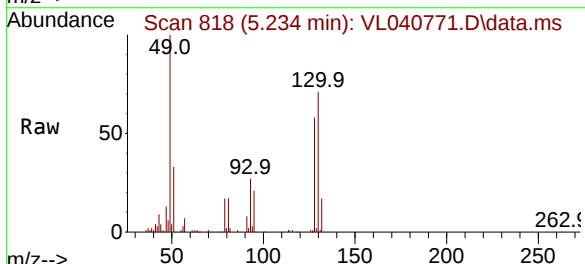
Manual Integrations
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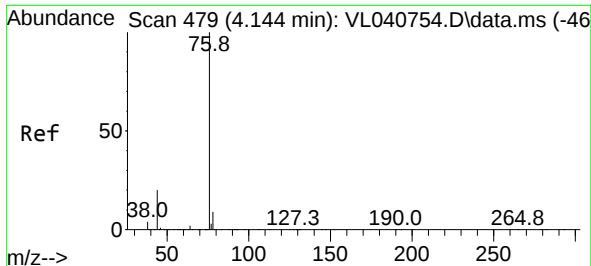
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#26
Hexane
Concen: 0.157 ppbv m
RT: 5.234 min Scan# 818
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

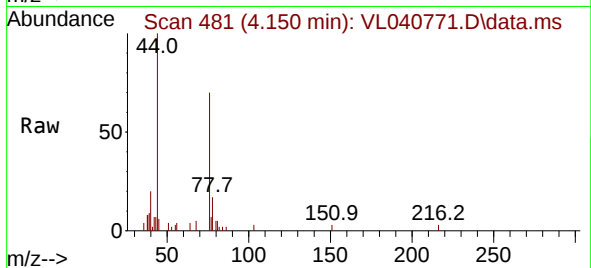
Tgt Ion: 57 Resp: 15421
Ion Ratio Lower Upper
57 100
41 0.0 71.4 107.2#
43 171.3 182.3 273.5#
56 56.5 42.0 63.0





#27
Carbon Disulfide
Concen: 0.083 ppbv
RT: 4.150 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

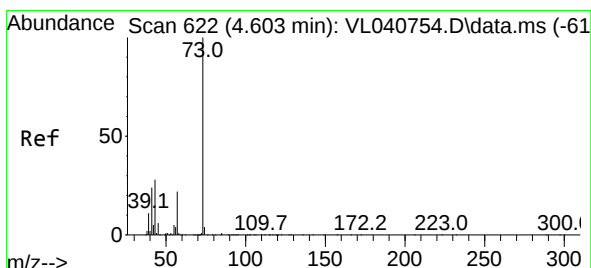
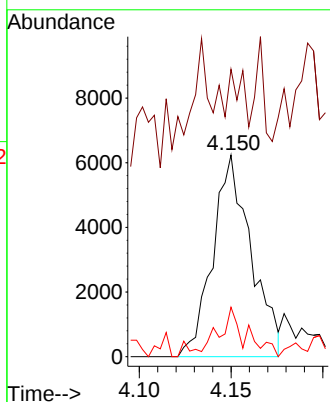
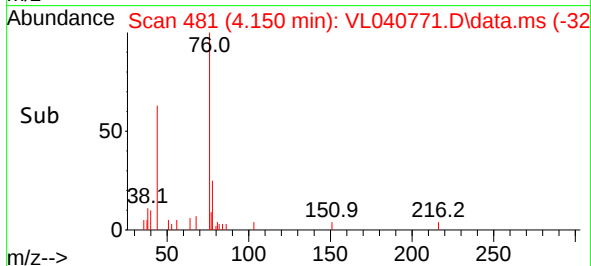
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 76 Resp: 902
Ion Ratio Lower Upper
76 100
44 0.0 16.6 25.0
78 19.3 7.8 11.6

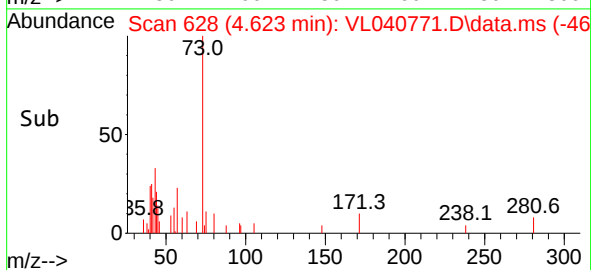
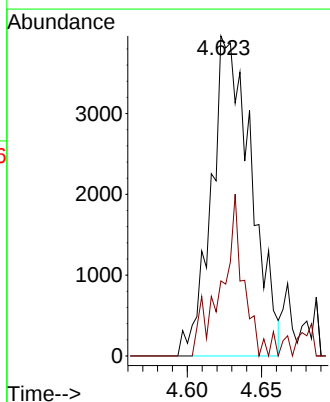
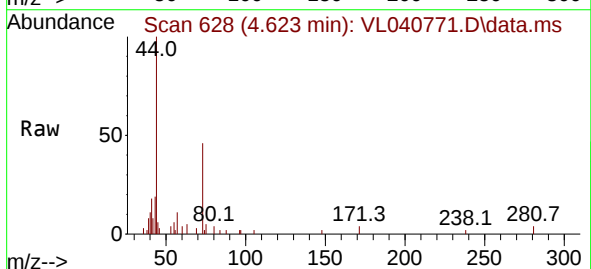
Manual Integrations
APPROVED

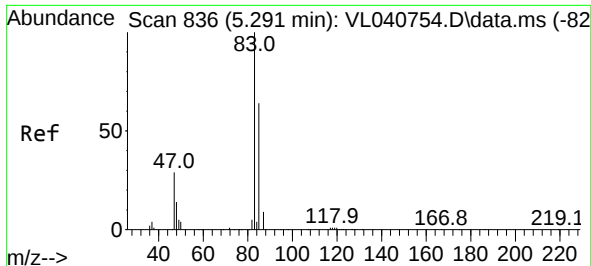
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#28
Methyl tert-Butyl Ether
Concen: 0.096 ppbv
RT: 4.623 min Scan# 628
Delta R.T. 0.019 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 73 Resp: 7382
Ion Ratio Lower Upper
73 100
57 27.7 18.9 28.3





#29

Chloroform

Concen: 0.099 ppbv

RT: 5.291 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 83 Resp: 1415

Ion Ratio Lower Upper

83 100

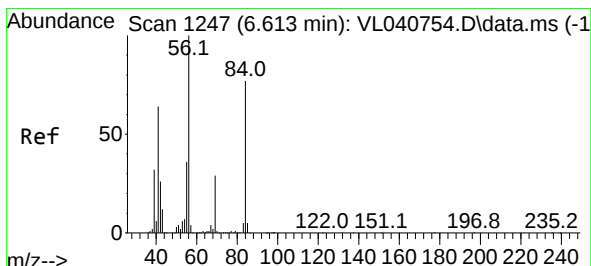
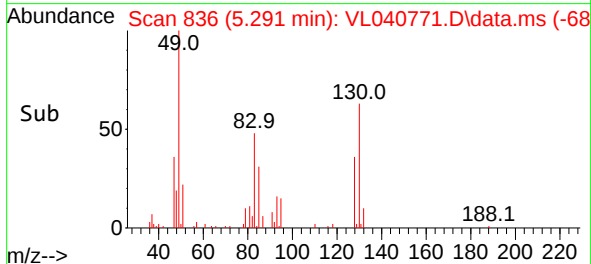
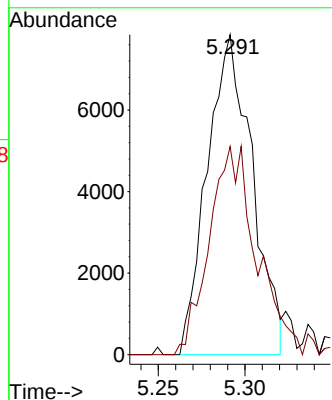
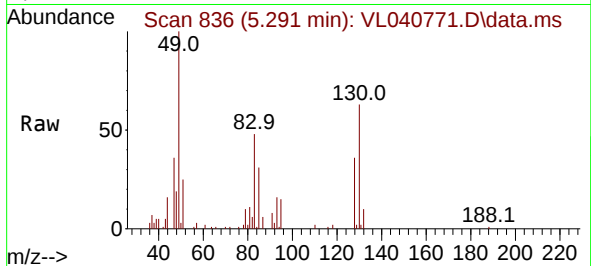
85 61.8 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023

Supervised By :Mahesh Dadoda 10/16/2023



#30

Cyclohexane

Concen: 0.091 ppbv m

RT: 6.623 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

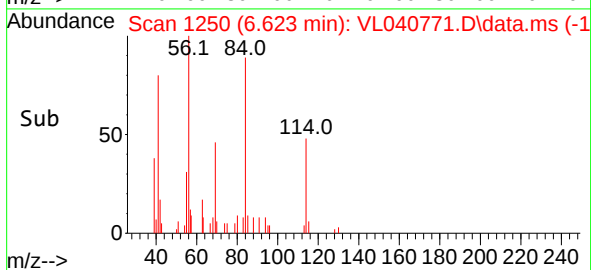
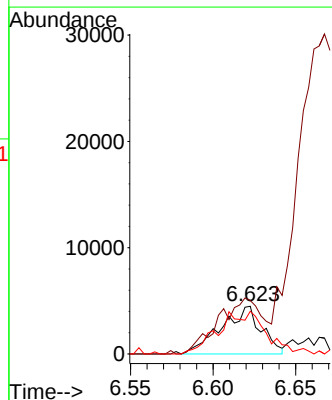
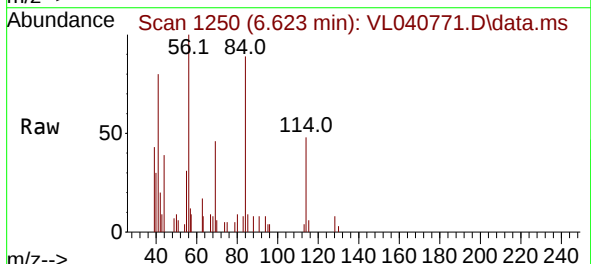
Tgt Ion: 84 Resp: 7605

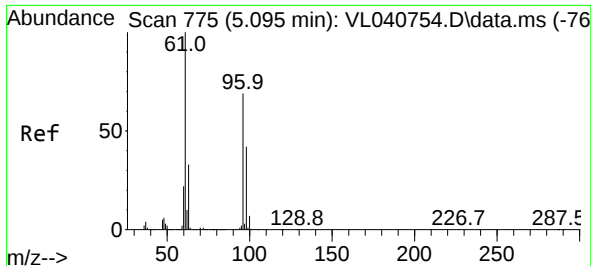
Ion Ratio Lower Upper

84 100

56 0.0 110.3 165.5#

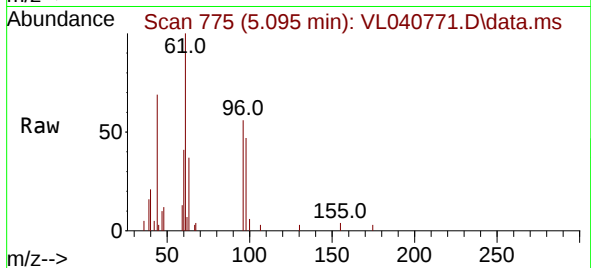
41 106.9 67.4 101.2#





#31
 cis-1,2-Dichloroethene
 Concen: 0.088 ppbv
 RT: 5.095 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

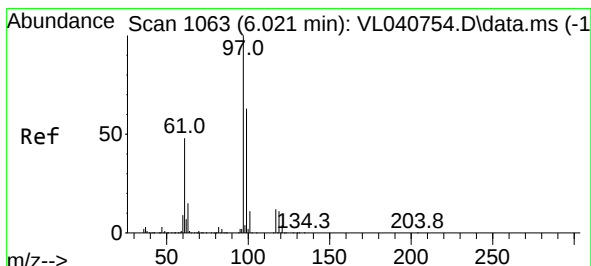
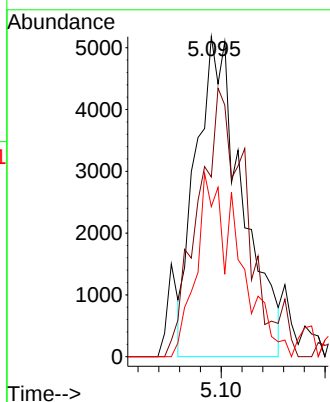
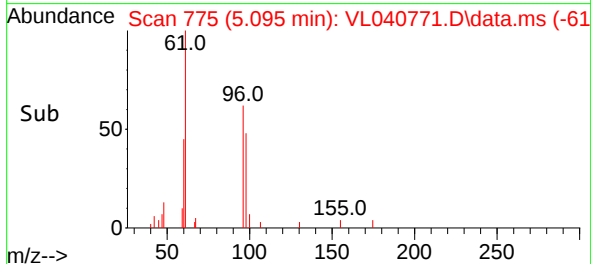
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 61 Resp: 797
 Ion Ratio Lower Upper
 61 100
 96 54.0 55.1 82.7
 98 50.3 33.5 50.3

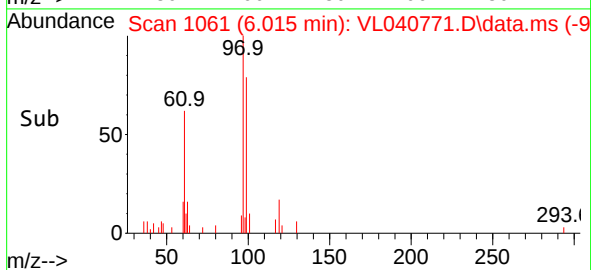
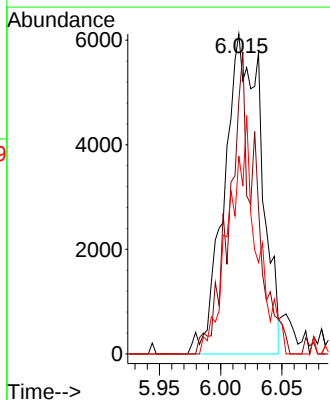
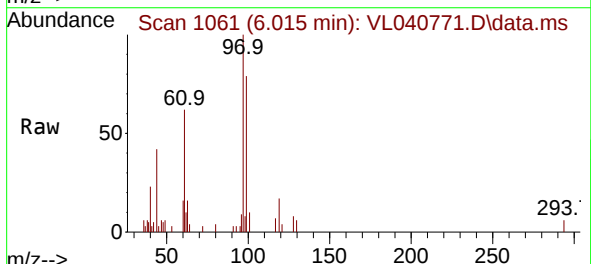
Manual Integrations
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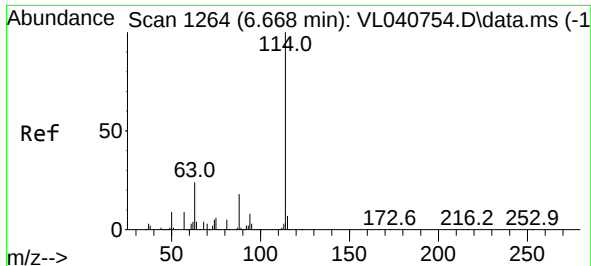
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.085 ppbv m
 RT: 6.015 min Scan# 1061
 Delta R.T. -0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

Tgt Ion: 97 Resp: 12840
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.8 77.6#
 61 0.0 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

Tgt Ion:114 Resp: 271776

Ion Ratio Lower Upper

114 100

63 23.8 19.8 29.6

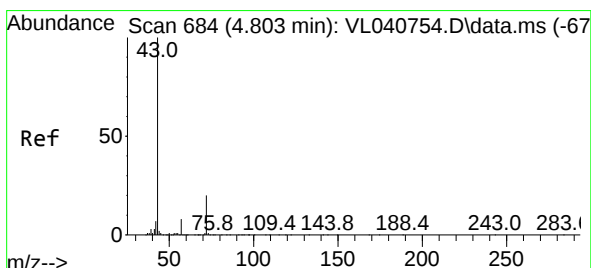
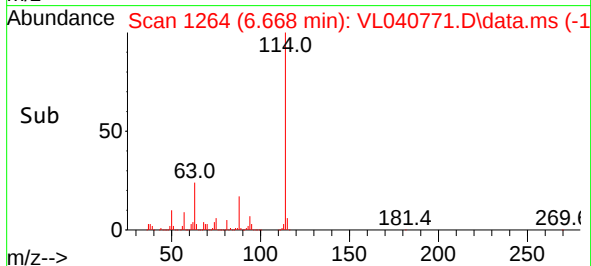
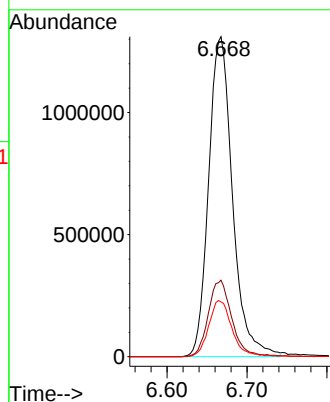
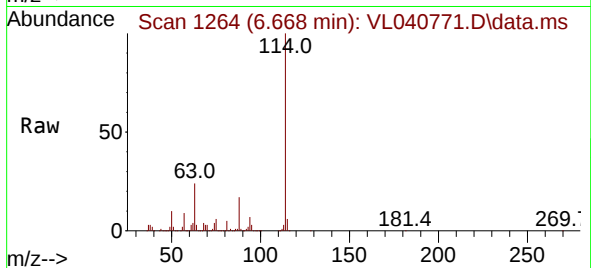
88 17.4 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023

Supervised By :Mahesh Dadoda 10/16/2023



#34

2-Butanone

Concen: 0.116 ppbv m

RT: 4.835 min Scan# 694

Delta R.T. 0.032 min

Lab File: VL040771.D

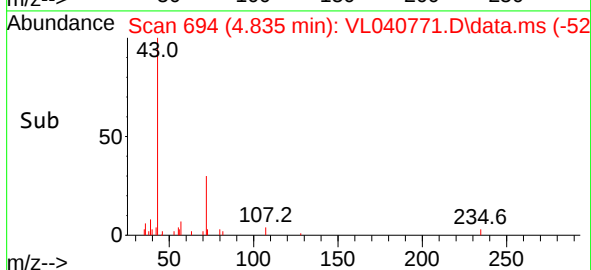
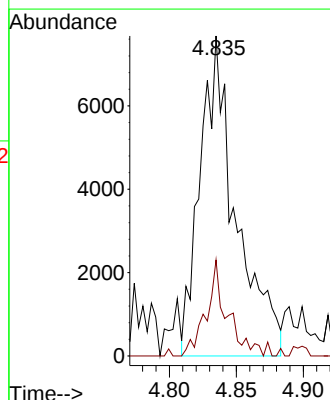
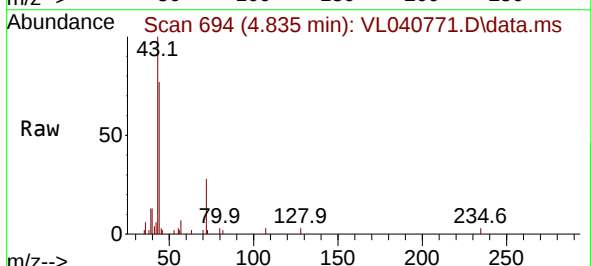
Acq: 12 Oct 2023 1:11

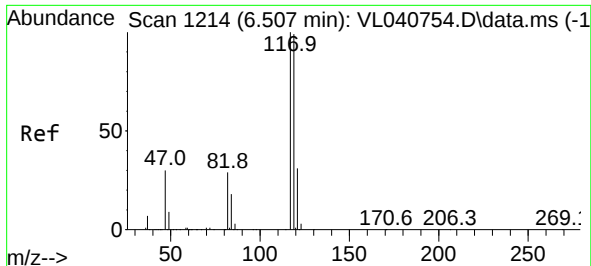
Tgt Ion: 43 Resp: 14242

Ion Ratio Lower Upper

43 100

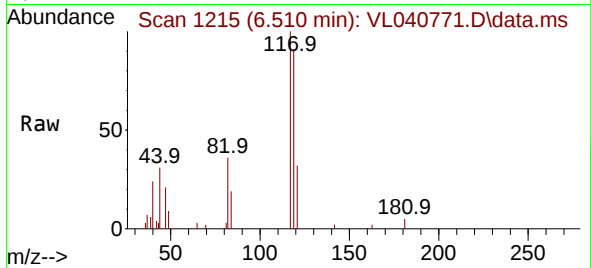
72 0.0 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.081 ppbv m
RT: 6.510 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

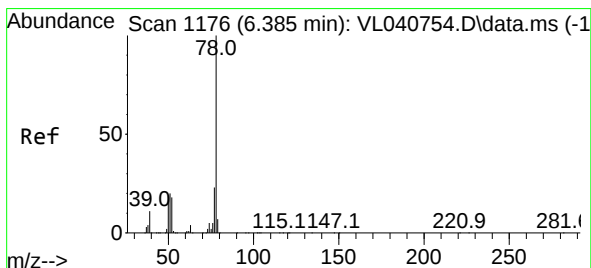
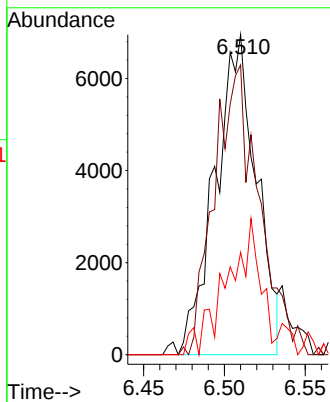
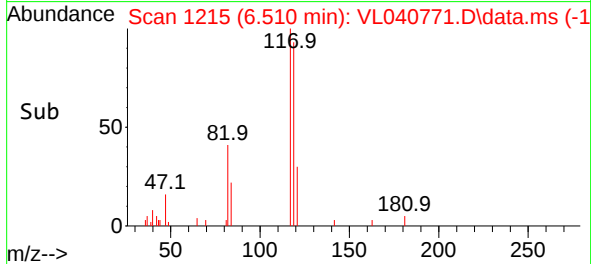
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 117 Resp: 12304
Ion Ratio Lower Upper
117 100
119 90.6 79.4 119.0
121 31.9 25.0 37.4

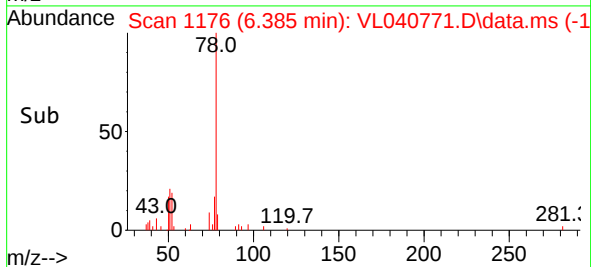
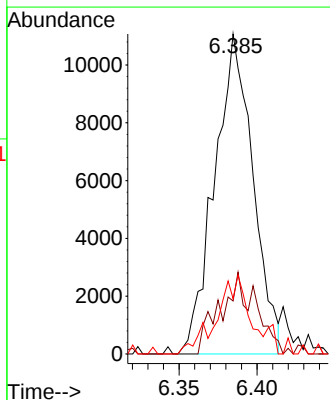
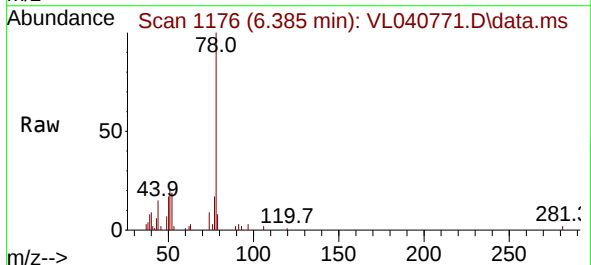
Manual Integrations
APPROVED

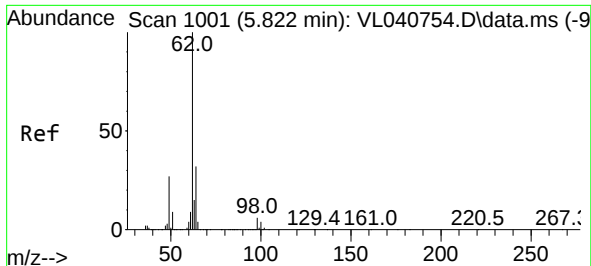
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#36
Benzene
Concen: 0.091 ppbv
RT: 6.385 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 78 Resp: 18980
Ion Ratio Lower Upper
78 100
77 15.7 18.4 27.6#
50 16.4 15.0 22.4





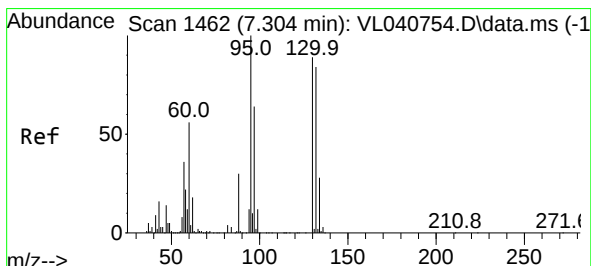
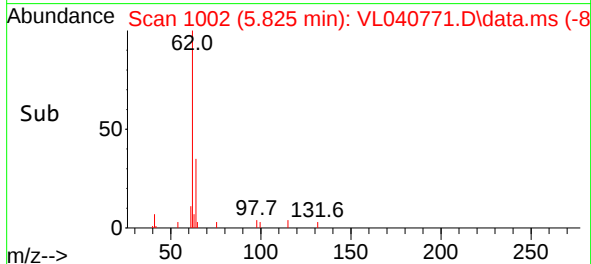
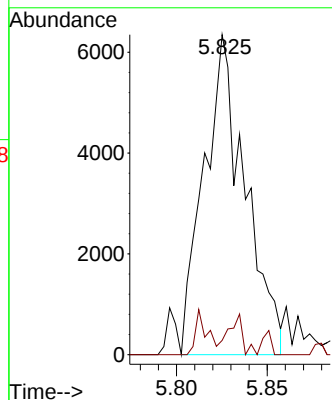
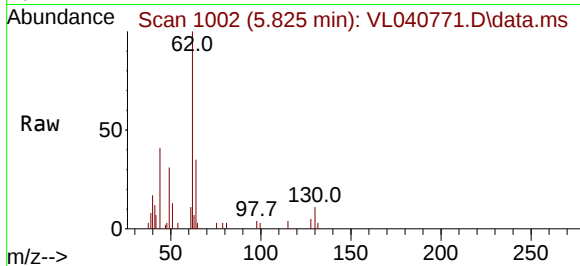
#37
1,2-Dichloroethane
Concen: 0.093 ppbv m
RT: 5.825 min Scan# 1001
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 62 Resp: 999
Ion Ratio Lower Upper
62 100
98 10.0 5.4 8.0

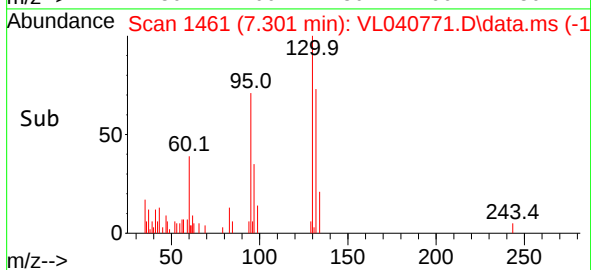
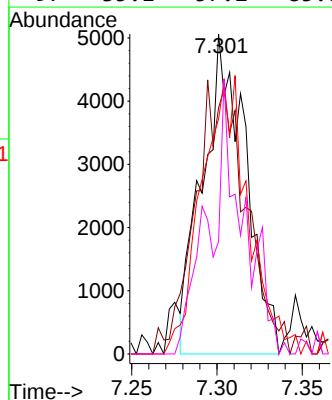
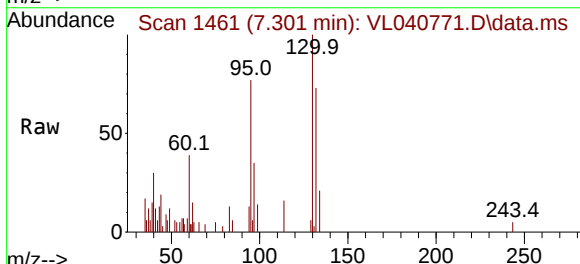
Manual Integrations
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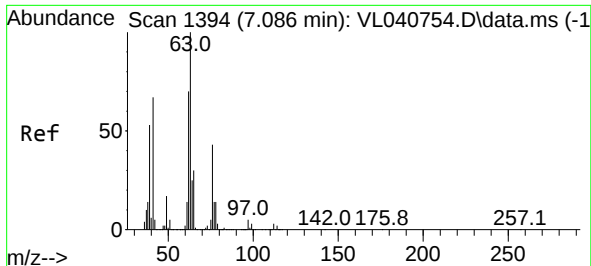
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#38
Trichloroethene
Concen: 0.096 ppbv m
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion:130 Resp: 8893
Ion Ratio Lower Upper
130 100
95 76.9 89.4 134.2#
132 73.5 74.8 112.2#
97 35.1 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 0.124 ppbv m

RT: 7.092 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

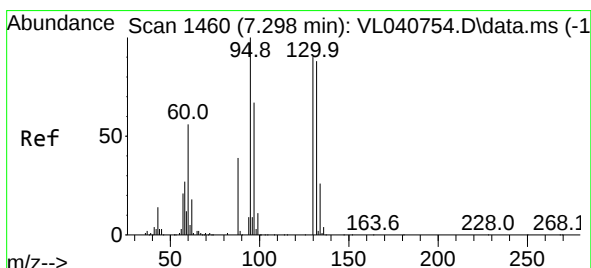
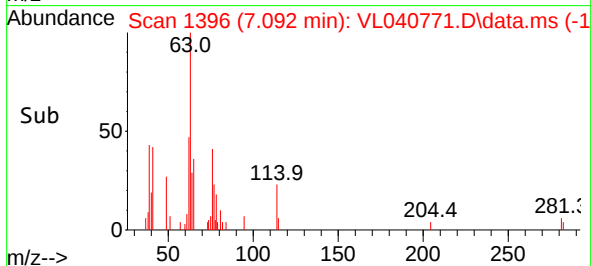
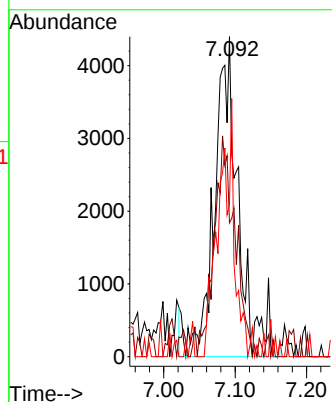
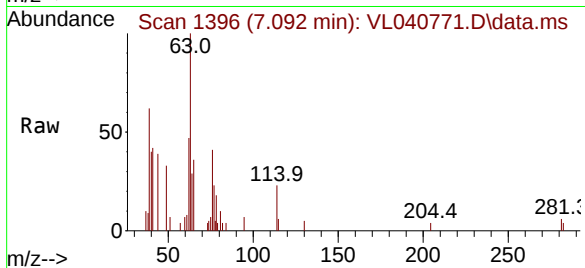
Tgt Ion: 63 Resp: 10130

Ion	Ratio	Lower	Upper
63	100		
41	41.8	53.7	80.5
62	47.5	55.7	83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#40

1,4-Dioxane

Concen: 0.129 ppbv m

RT: 7.352 min Scan# 1477

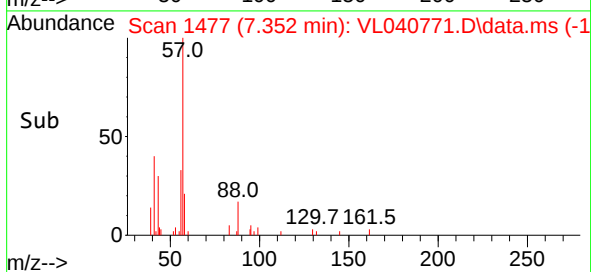
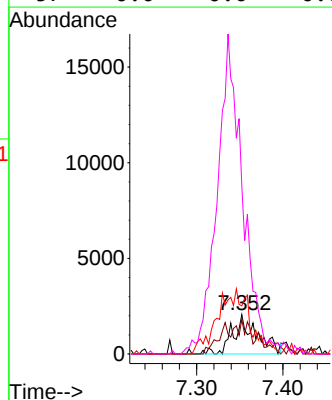
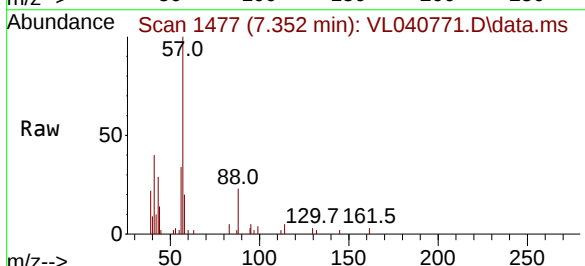
Delta R.T. 0.055 min

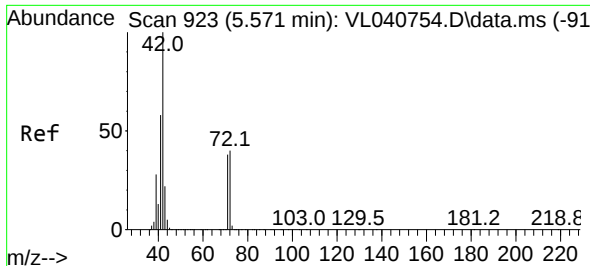
Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Tgt Ion: 88 Resp: 3987

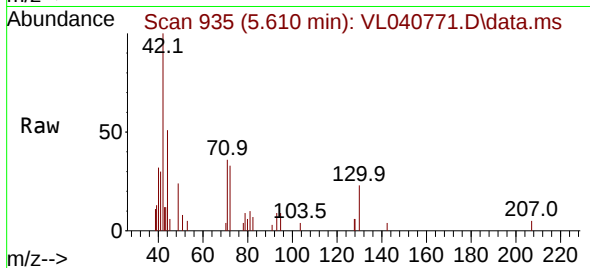
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.093 ppbv m
RT: 5.610 min Scan# 910
Delta R.T. 0.039 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

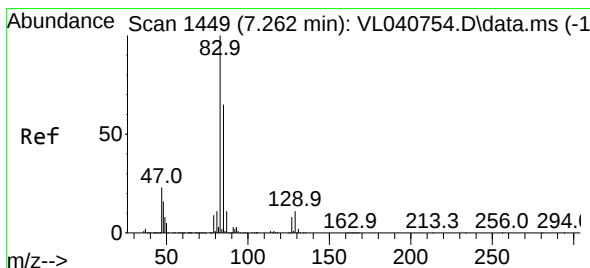
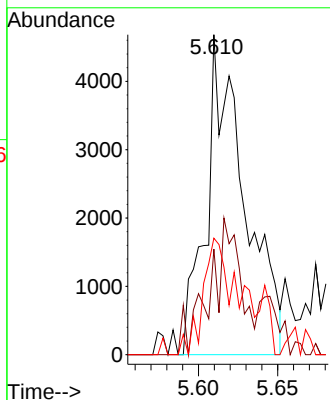
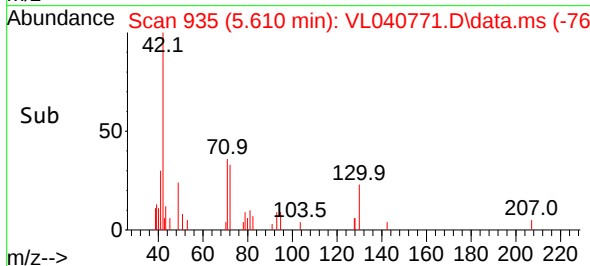
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



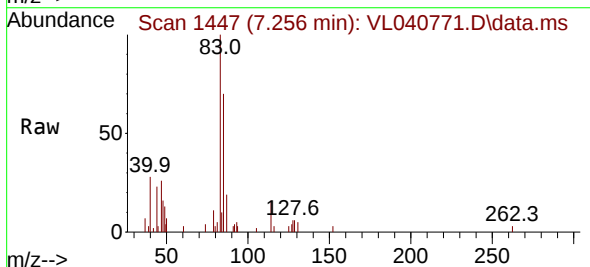
Tgt Ion: 42 Resp: 7890
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

Manual Integrations
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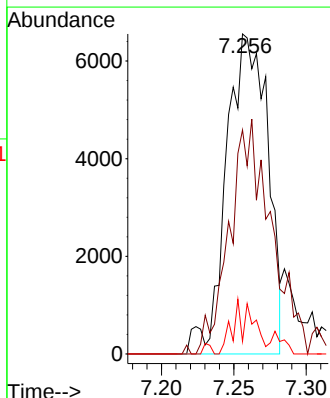
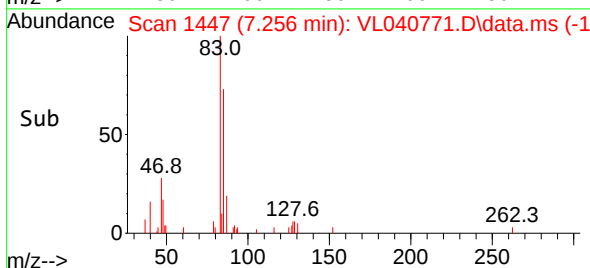
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

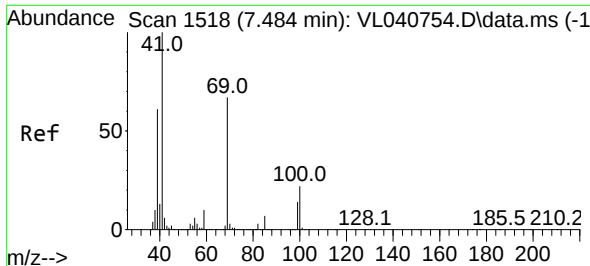


#42
Bromodichloromethane
Concen: 0.081 ppbv m
RT: 7.256 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



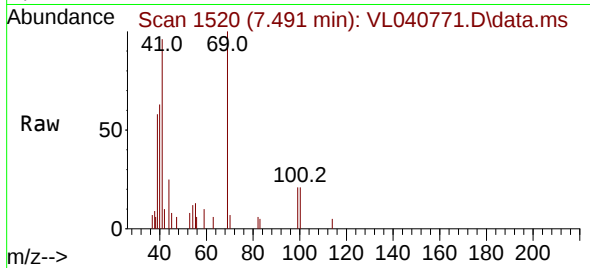
Tgt Ion: 83 Resp: 12977
Ion Ratio Lower Upper
83 100
85 70.0 52.1 78.1
127 6.1 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.089 ppbv m
RT: 7.491 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

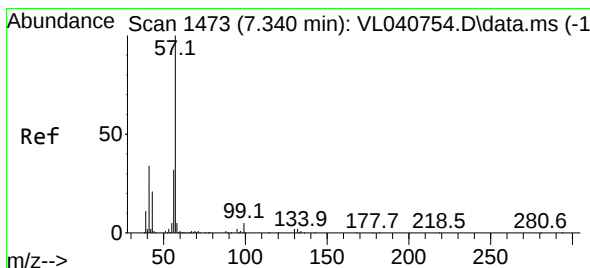
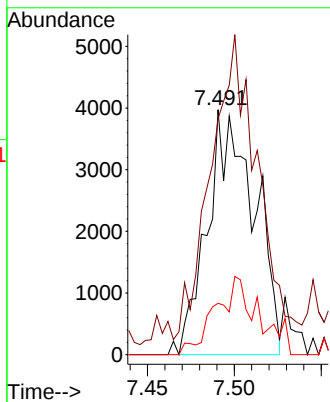
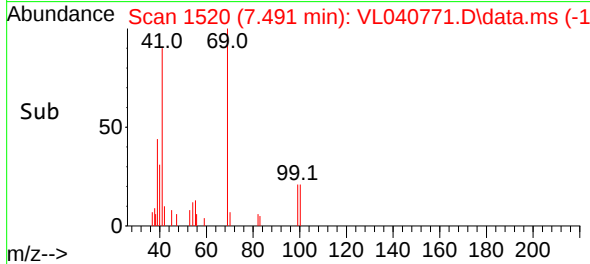
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 69 Resp: 747
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0
100 0.0 27.1 40.7

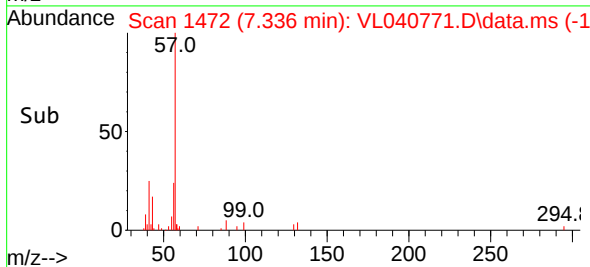
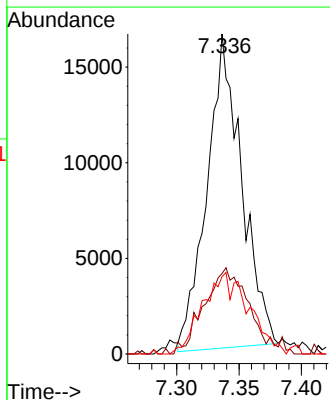
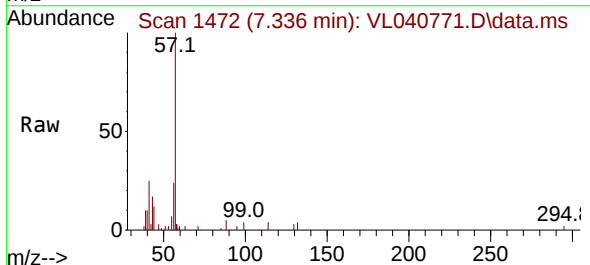
Manual Integrations
APPROVED

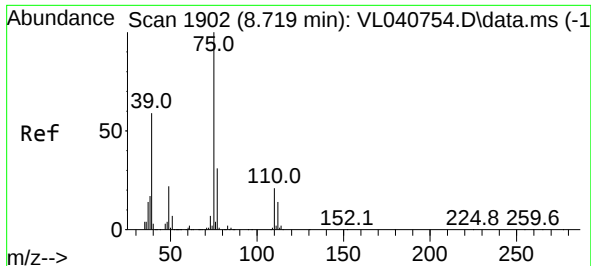
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#44
2,2,4-Trimethylpentane
Concen: 0.090 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 57 Resp: 31856
Ion Ratio Lower Upper
57 100
41 36.0 27.4 41.0
56 35.1 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 0.055 ppbv m

RT: 8.725 min Scan# 1902

Delta R.T. 0.006 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

Instrument :

MSVOA_L

ClientSampleId :

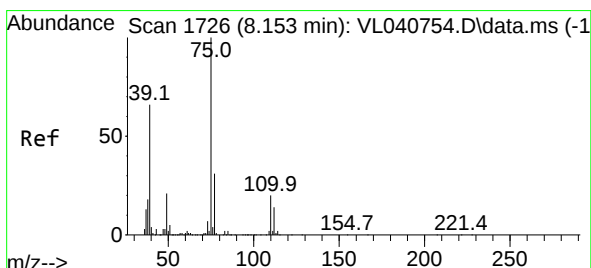
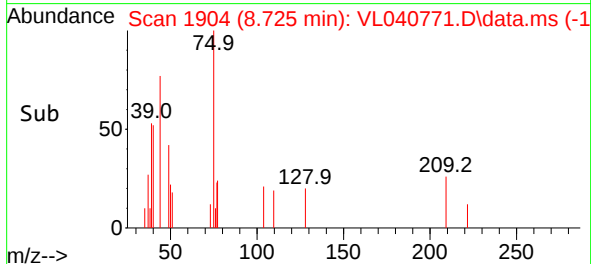
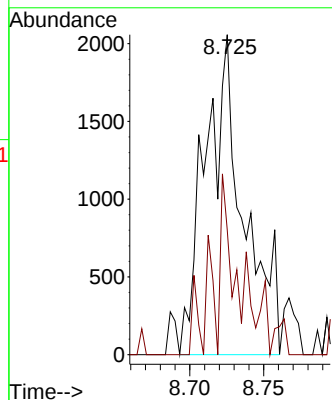
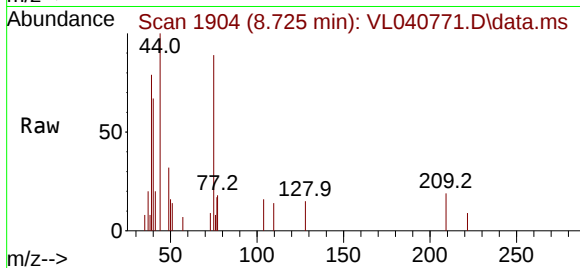
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 75 Resp: 3694
 Ion Ratio Lower Upper
 75 100
 77 19.8 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#46

cis-1,3-Dichloropropene

Concen: 0.066 ppbv m

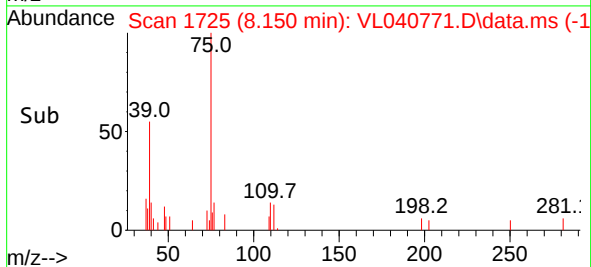
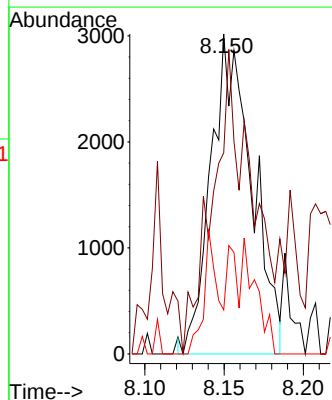
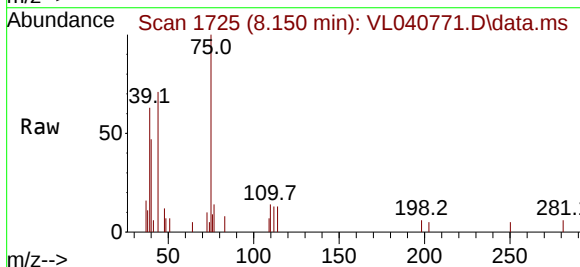
RT: 8.150 min Scan# 1725

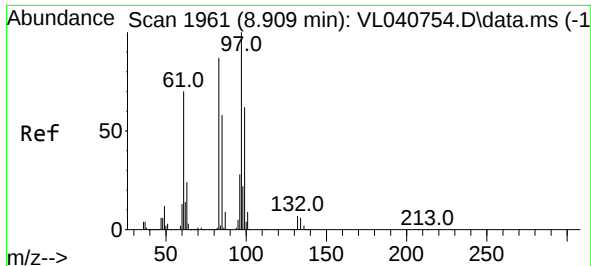
Delta R.T. -0.003 min

Lab File: VL040771.D

Acq: 12 Oct 2023 1:11

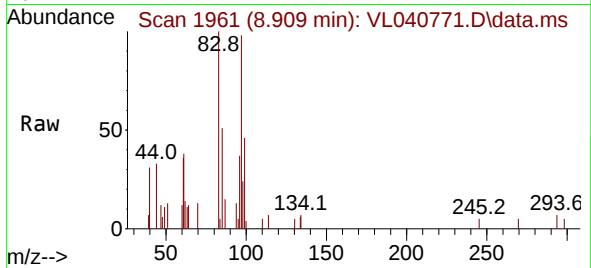
Tgt Ion: 75 Resp: 5373
 Ion Ratio Lower Upper
 75 100
 39 62.8 52.4 78.6
 77 13.8 25.1 37.7





#47
1,1,2-Trichloroethane
Concen: 0.090 ppbv m
RT: 8.909 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

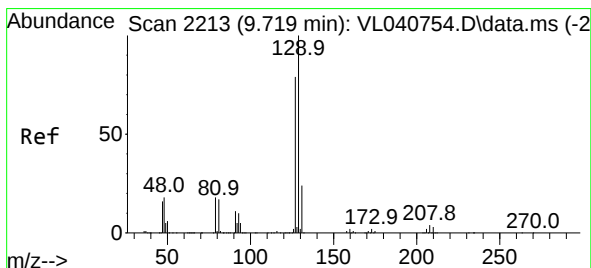
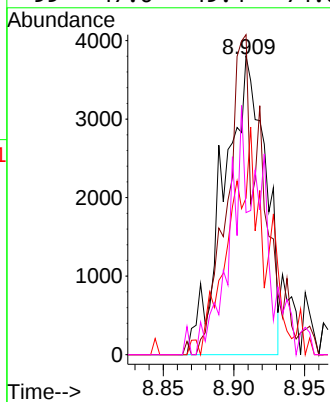
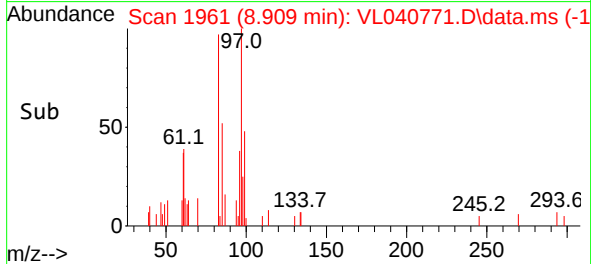
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 97 Resp: 7684
Ion Ratio Lower Upper
97 100
83 102.3 69.5 104.3
85 52.4 46.6 69.8
99 47.6 49.4 74.0#

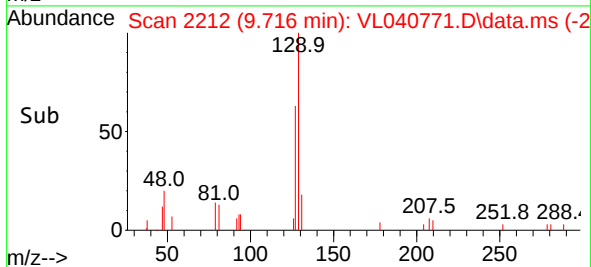
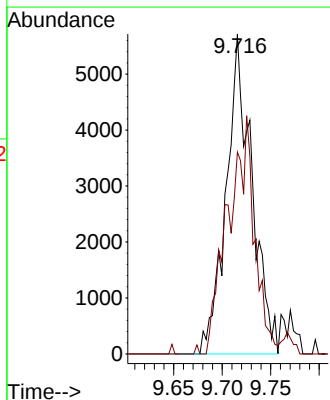
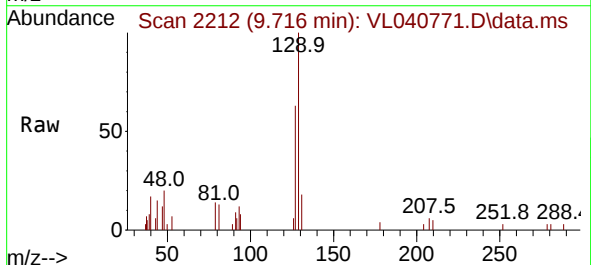
Manual Integrations
APPROVED

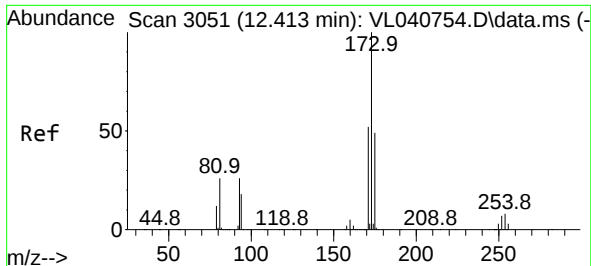
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#48
Dibromochloromethane
Concen: 0.073 ppbv m
RT: 9.716 min Scan# 2212
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

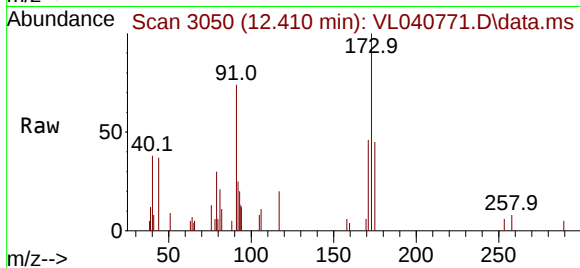
Tgt Ion:129 Resp: 10535
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#





#49
Bromoform
Concen: 0.057 ppbv m
RT: 12.410 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

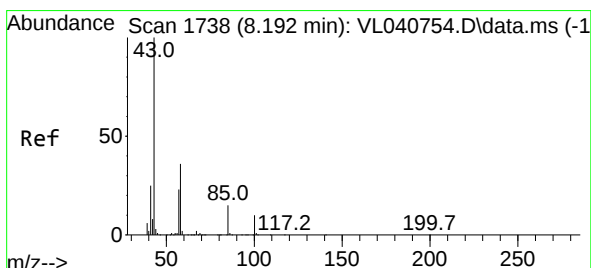
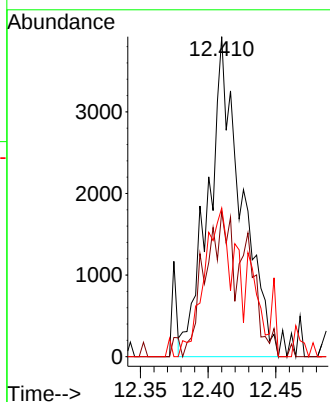
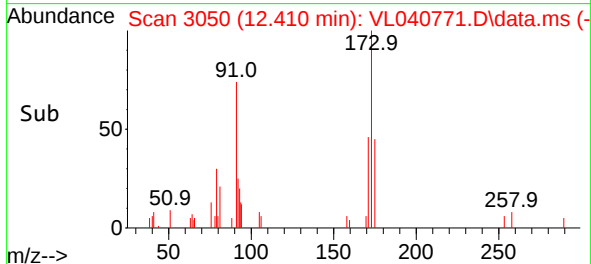
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 173 Resp: 667
Ion Ratio Lower Upper
173 100
175 57.6 39.2 58.8
171 57.9 42.0 63.0

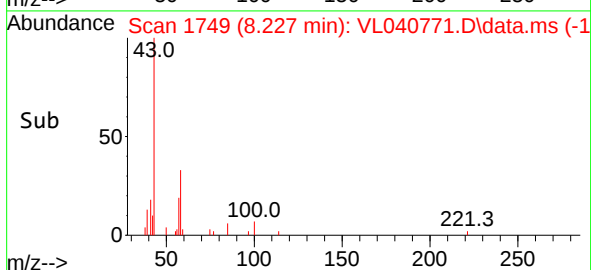
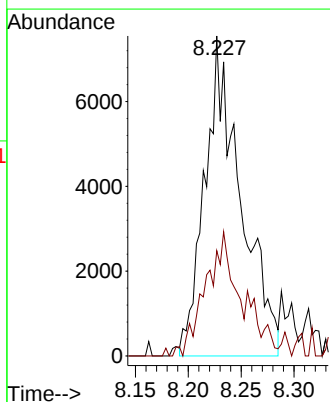
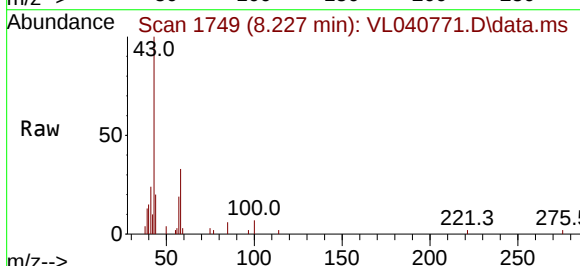
Manual Integrations
APPROVED

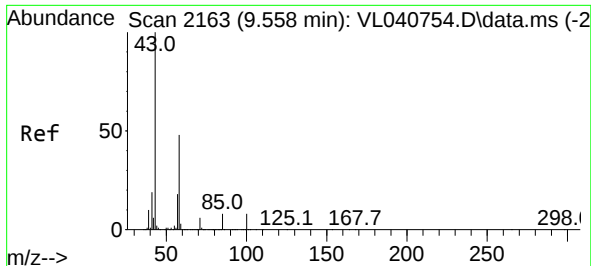
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#50
4-Methyl-2-Pentanone
Concen: 0.084 ppbv m
RT: 8.227 min Scan# 1749
Delta R.T. 0.035 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

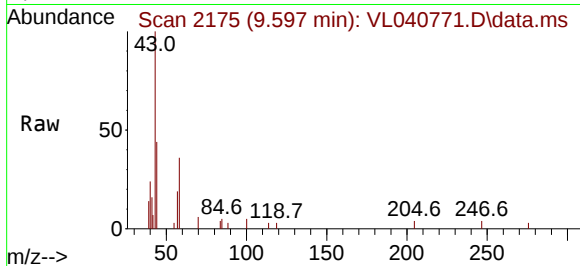
Tgt Ion: 43 Resp: 17771
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#





#51
2-Hexanone
Concen: 0.077 ppbv m
RT: 9.597 min Scan# 2163
Delta R.T. 0.039 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

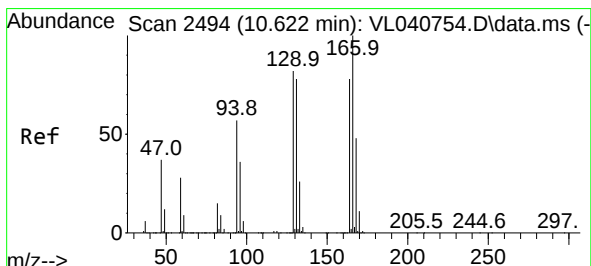
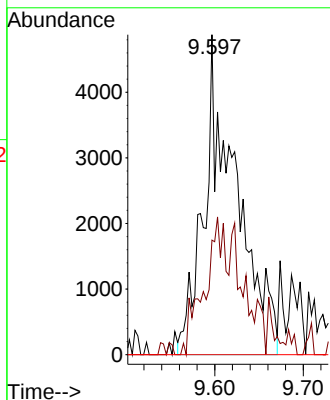
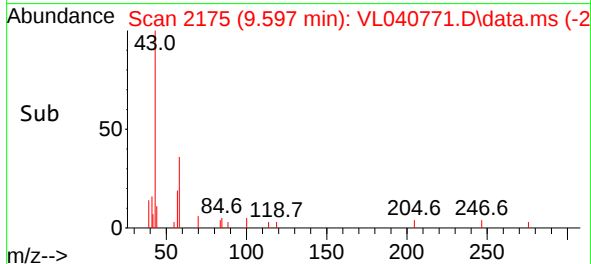
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 43 Resp: 12310
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0
98 0.0 0.0 0.0

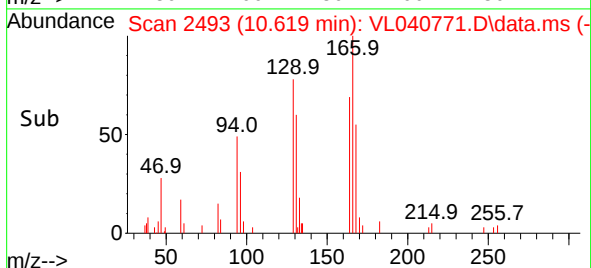
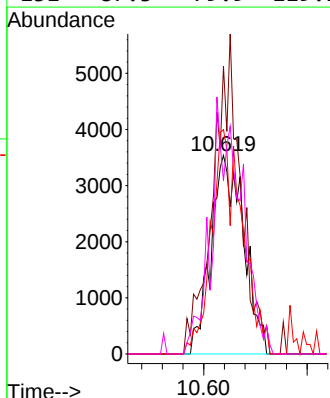
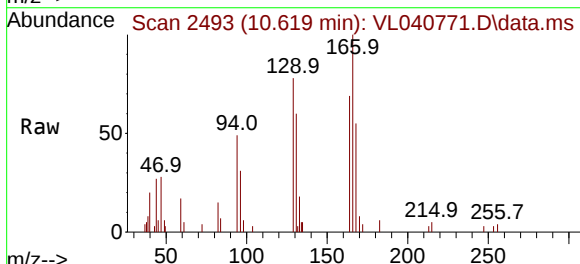
Manual Integrations
APPROVED

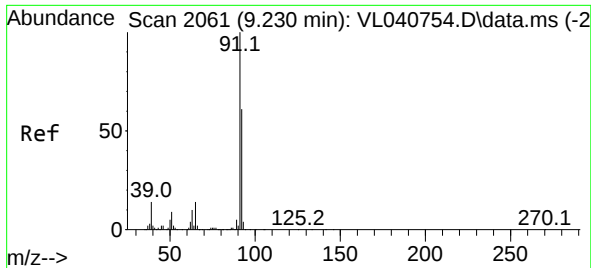
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#52
Tetrachloroethene
Concen: 0.092 ppbv m
RT: 10.619 min Scan# 2493
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

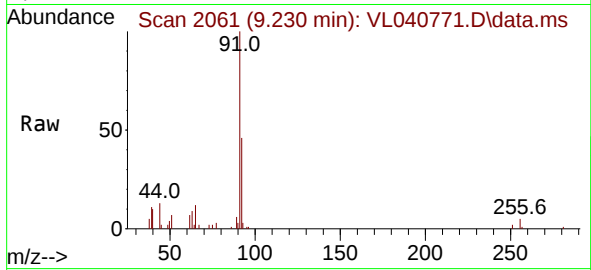
Tgt Ion:164 Resp: 7827
Ion Ratio Lower Upper
164 100
166 144.9 102.4 153.6
129 113.0 84.2 126.4
131 87.3 79.9 119.9





#53
Toluene
Concen: 0.102 ppbv m
RT: 9.230 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

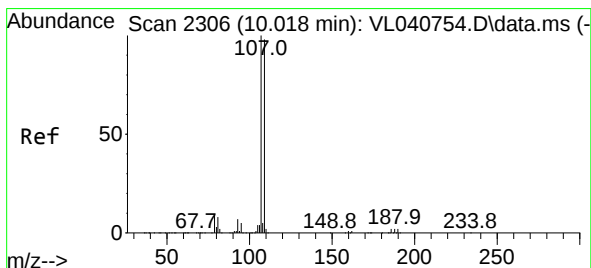
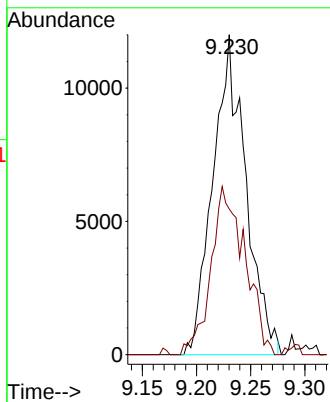
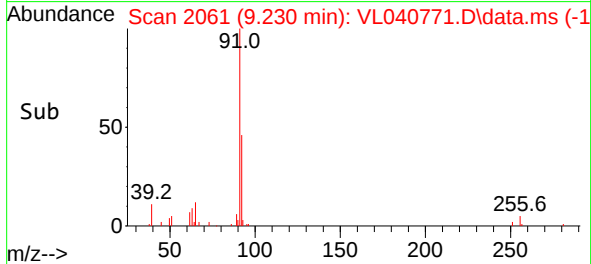
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 91 Resp: 2532
Ion Ratio Lower Upper
91 100
92 55.6 50.2 75.2

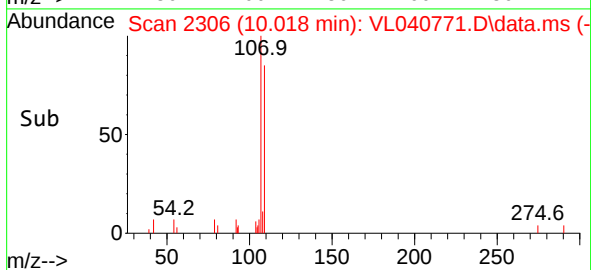
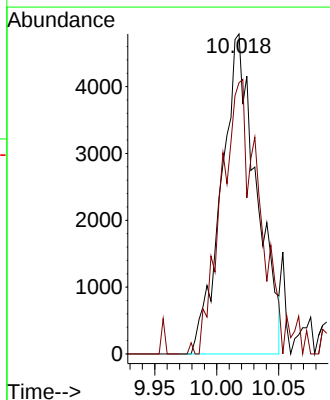
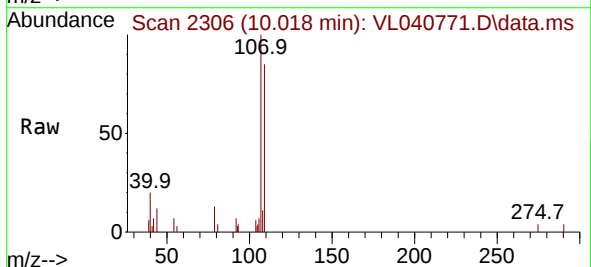
Manual Integrations
APPROVED

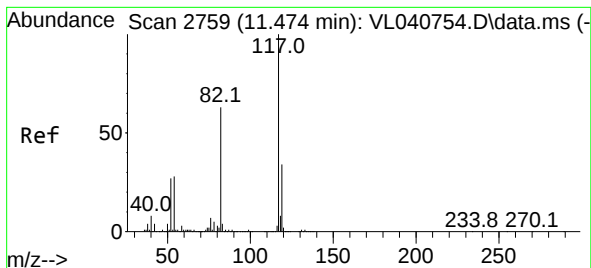
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#54
1,2-Dibromoethane
Concen: 0.078 ppbv m
RT: 10.018 min Scan# 2306
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

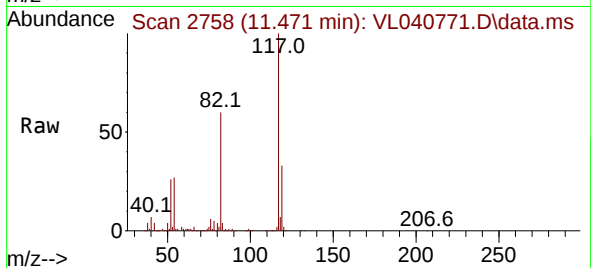
Tgt Ion:107 Resp: 9397
Ion Ratio Lower Upper
107 100
109 84.7 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2759
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

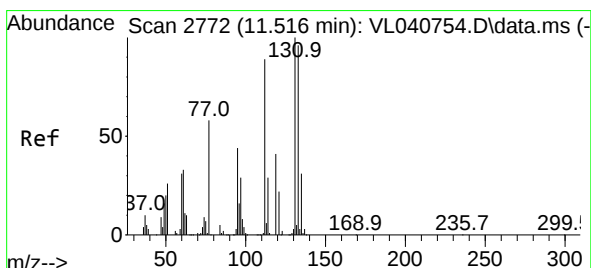
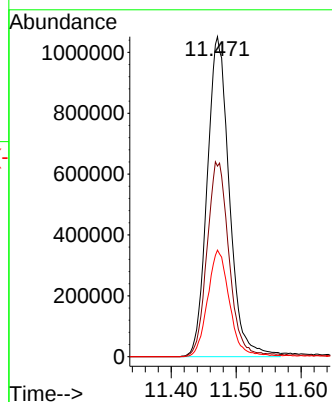
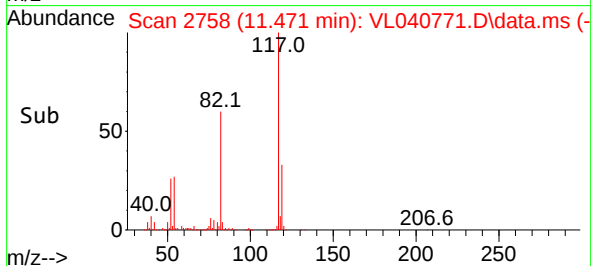
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023



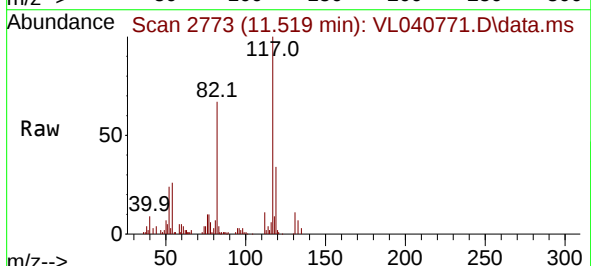
Tgt Ion:117 Resp: 2494680
Ion Ratio Lower Upper
117 100
82 61.6 46.6 70.0
119 32.9 26.0 39.0

Manual Integrations
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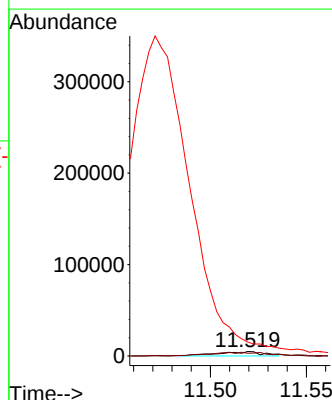
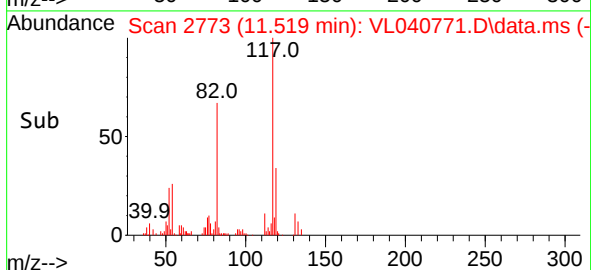
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

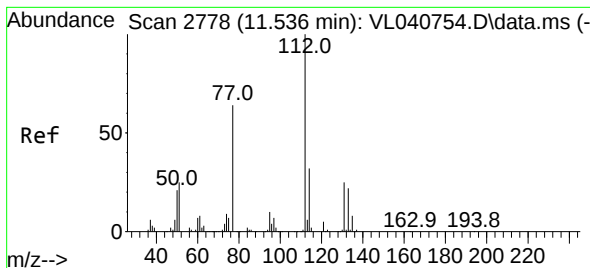


#56
1,1,1,2-Tetrachloroethane
Concen: 0.079 ppbv m
RT: 11.519 min Scan# 2773
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



Tgt Ion:131 Resp: 8005
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6#
119 0.0 45.4 68.0#





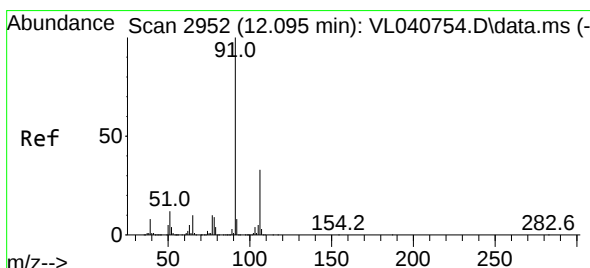
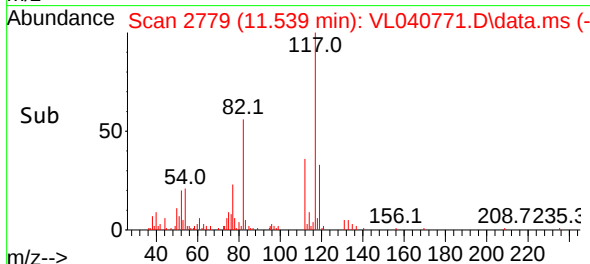
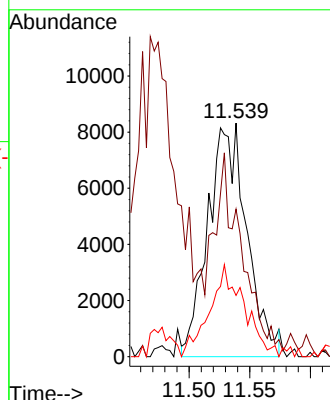
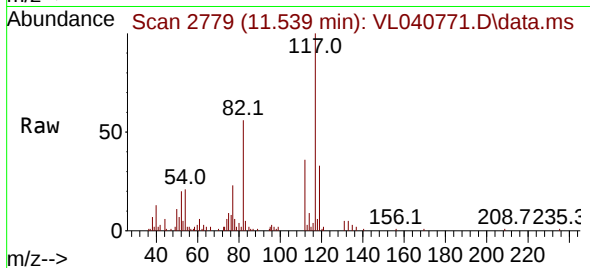
#57
Chlorobenzene
Concen: 0.103 ppbv m
RT: 11.539 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 112 Resp: 1841
Ion Ratio Lower Upper
112 100
77 63.2 51.9 77.9
114 26.3 28.6 35.0

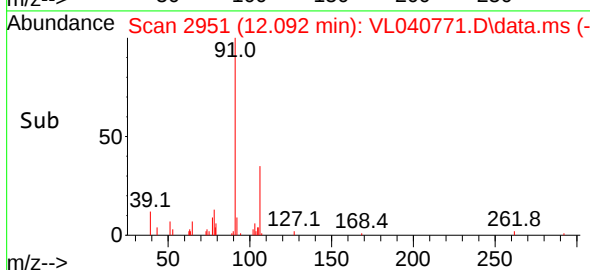
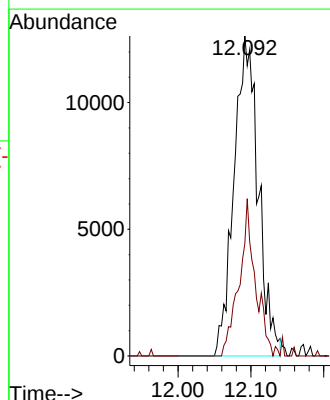
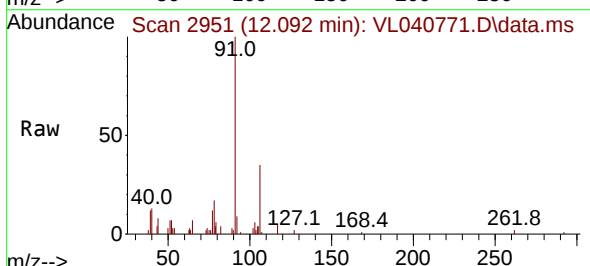
Manual Integrations
APPROVED

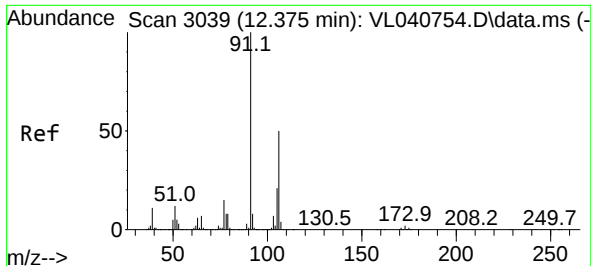
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#58
Ethyl Benzene
Concen: 0.093 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Tgt Ion: 91 Resp: 29063
Ion Ratio Lower Upper
91 100
106 35.1 26.7 40.1





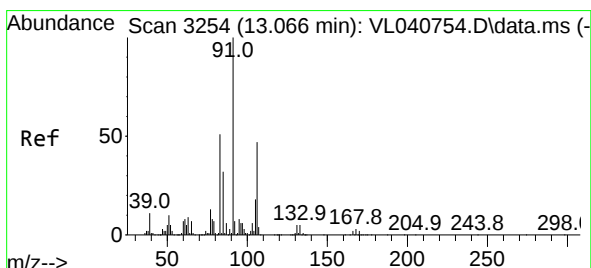
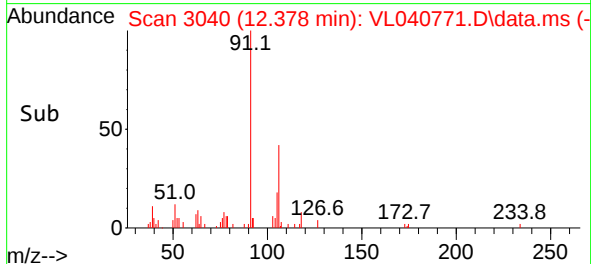
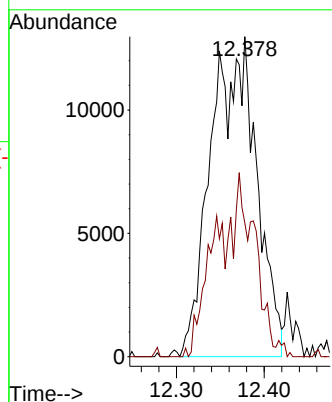
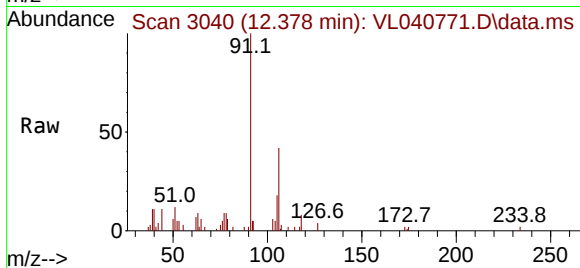
#59
m/p-Xylene
Concen: 0.180 ppbv m
RT: 12.378 min Scan# 3039
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 91 Resp: 4654
Ion Ratio Lower Upper
91 100
106 48.9 37.7 56.5

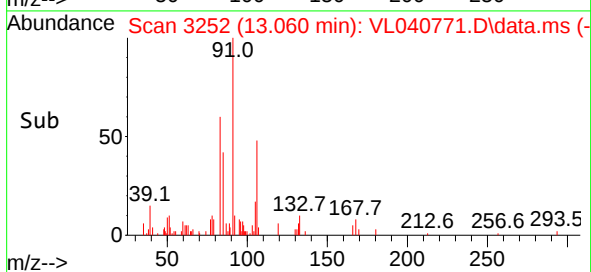
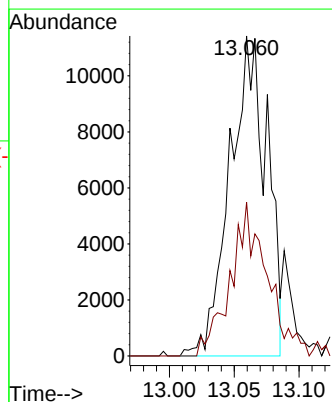
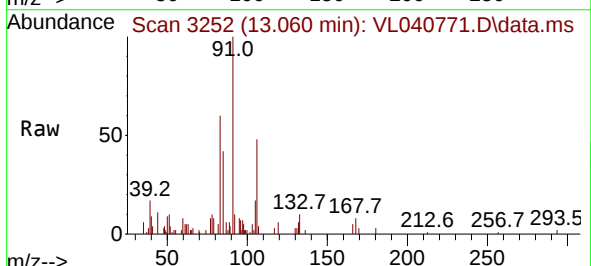
Manual Integrations
APPROVED

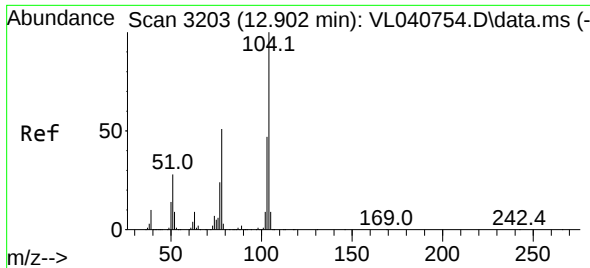
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#60
o-Xylene
Concen: 0.092 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. -0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

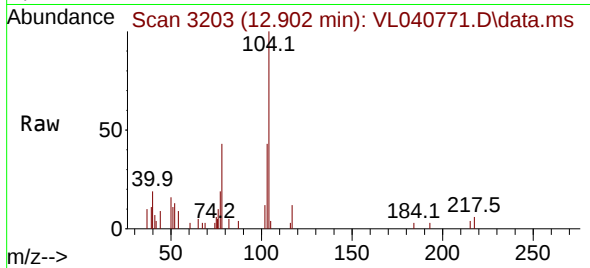
Tgt Ion: 91 Resp: 22729
Ion Ratio Lower Upper
91 100
106 48.3 23.5 70.5





#61
Styrene
Concen: 0.075 ppbv m
RT: 12.902 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

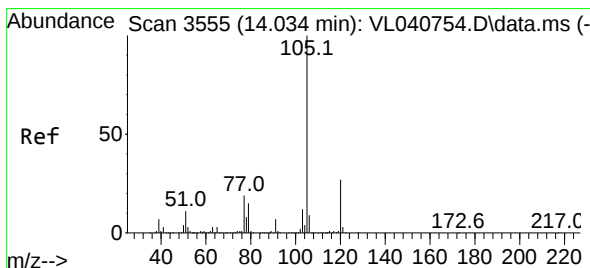
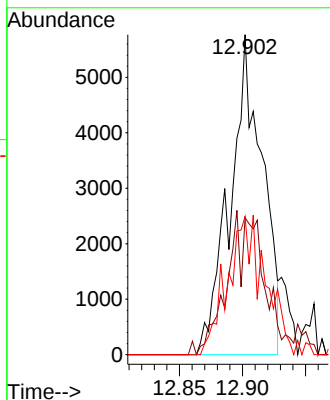
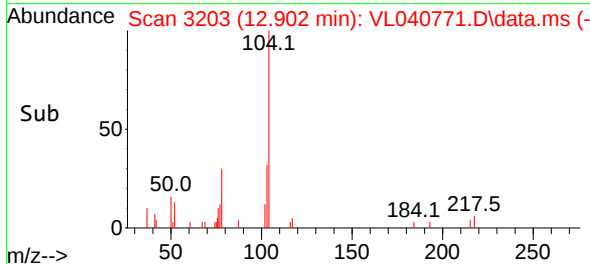
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



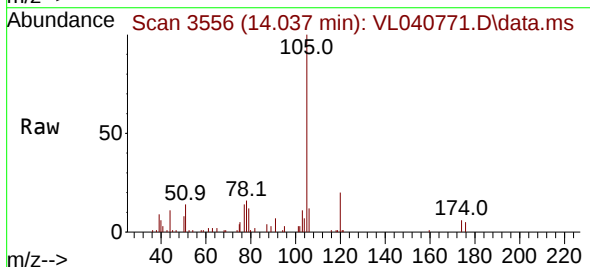
Tgt Ion:104 Resp: 1028
Ion Ratio Lower Upper
104 100
78 54.4 39.8 59.6
103 51.2 37.5 56.3

Manual Integrations
APPROVED

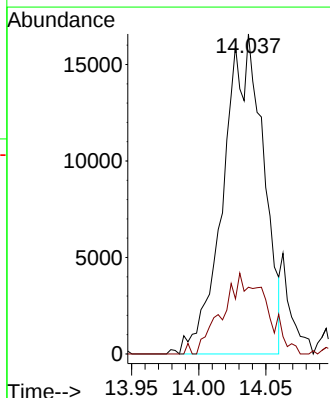
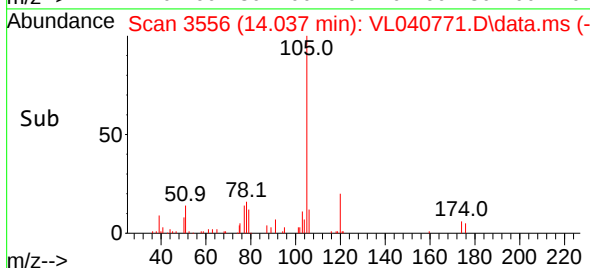
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

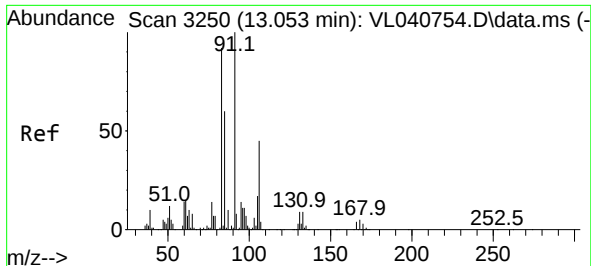


#62
Isopropylbenzene
Concen: 0.090 ppbv m
RT: 14.037 min Scan# 3556
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



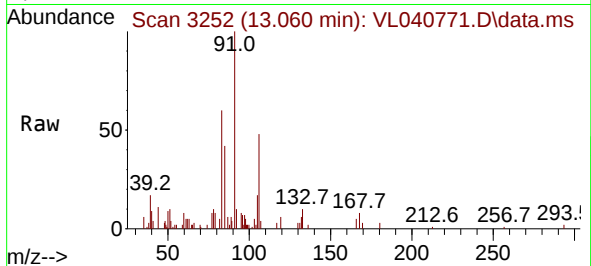
Tgt Ion:105 Resp: 34206
Ion Ratio Lower Upper
105 100
120 27.9 21.5 32.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.084 ppbv m
RT: 13.060 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

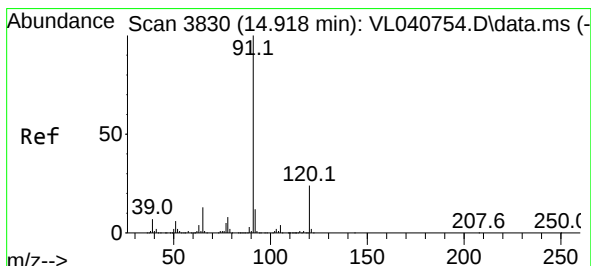
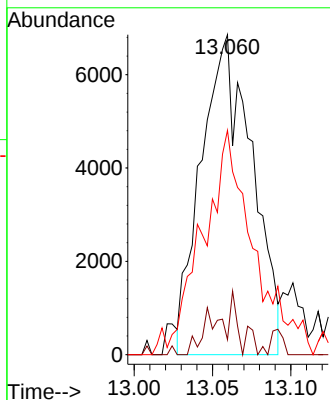
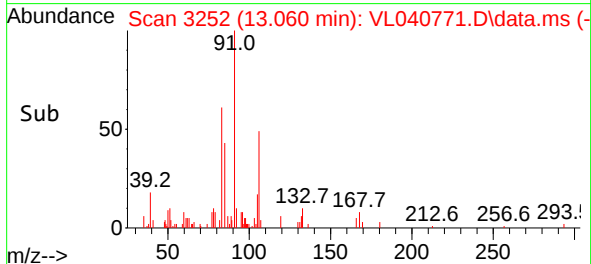
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



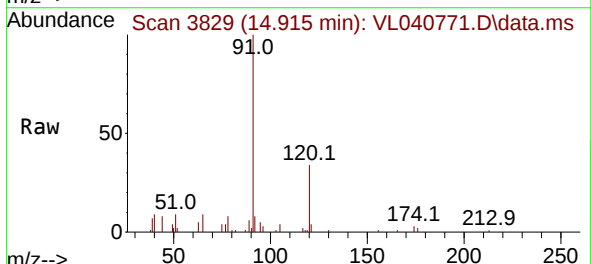
Tgt Ion: 83 Resp: 15508
Ion Ratio Lower Upper
83 100
131 8.0 4.9 14.6
85 73.4 32.9 98.7

Manual Integrations
APPROVED

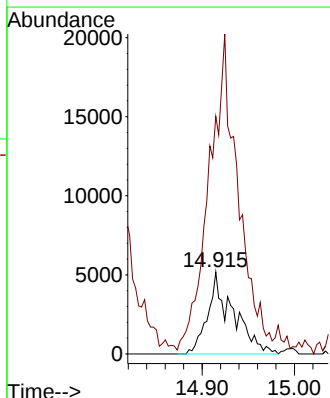
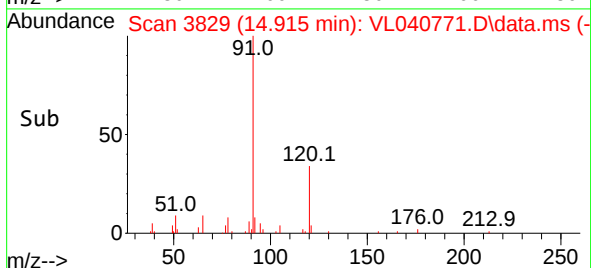
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

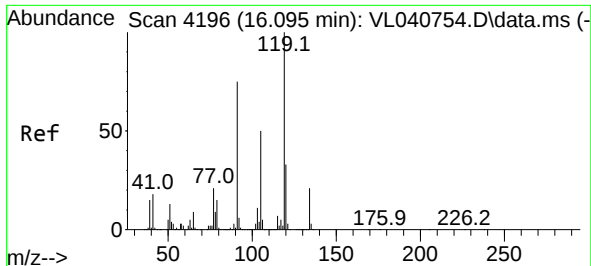


#64
n-propylbenzene
Concen: 0.098 ppbv m
RT: 14.915 min Scan# 3829
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



Tgt Ion:120 Resp: 9973
Ion Ratio Lower Upper
120 100
91 274.1 345.9 518.9#





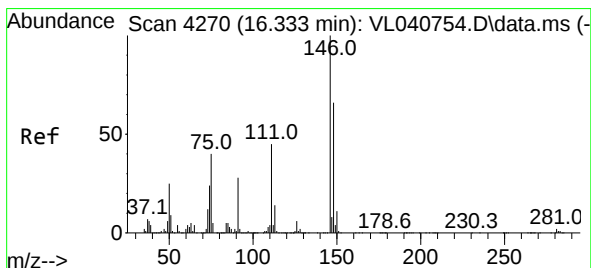
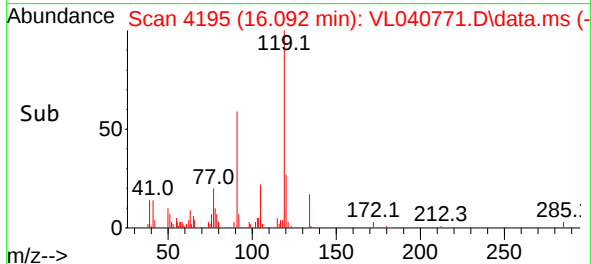
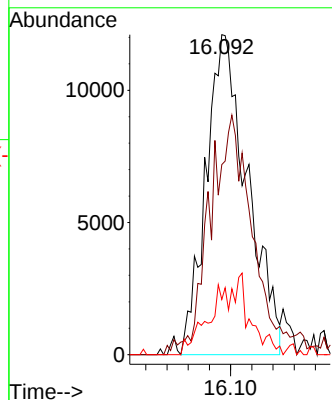
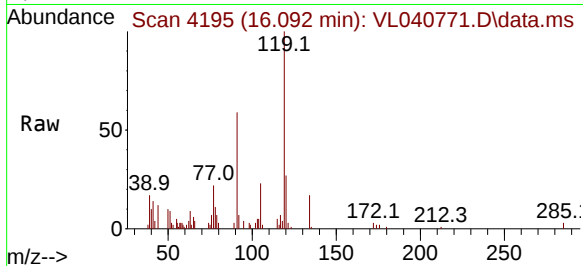
#65
tert-Butylbenzene
Concen: 0.096 ppbv m
RT: 16.092 min Scan# 4196
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 119 Resp: 3282
Ion Ratio Lower Upper
119 100
91 0.0 62.2 93.2
134 0.0 16.1 24.1

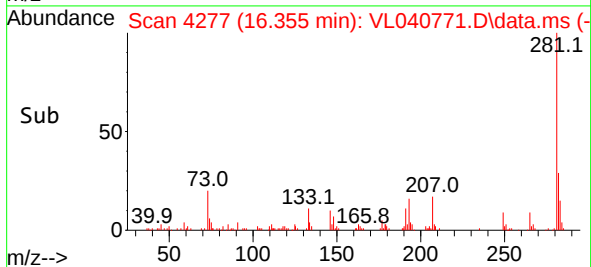
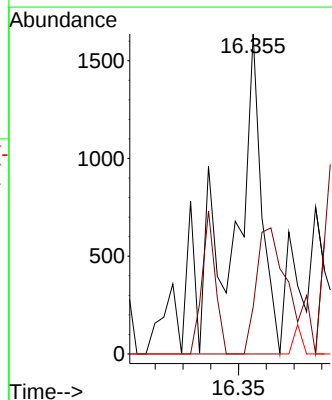
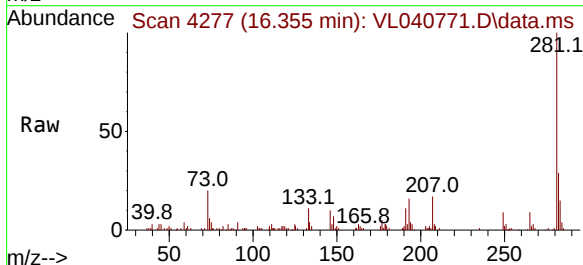
Manual Integrations
APPROVED

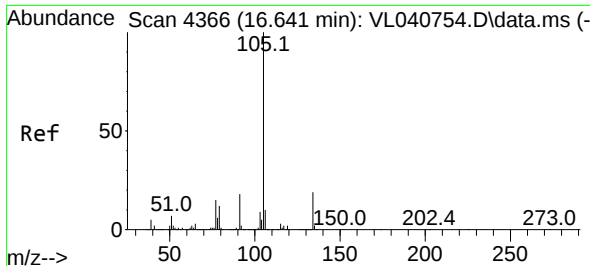
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#66
Benzyl Chloride
Concen: 0.036 ppbv m
RT: 16.355 min Scan# 4277
Delta R.T. 0.023 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

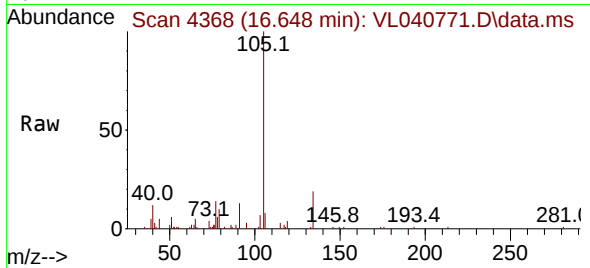
Tgt Ion: 91 Resp: 1239
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1#
128 0.0 5.2 7.8#





#67
 sec-Butylbenzene
 Concen: 0.097 ppbv m
 RT: 16.648 min Scan# 4366
 Delta R.T. 0.006 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

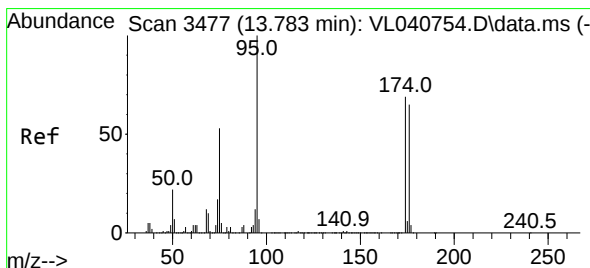
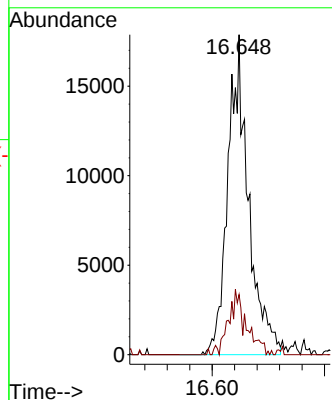
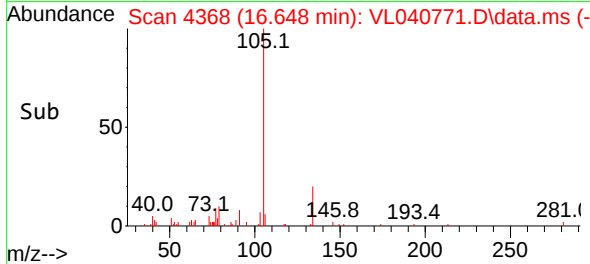
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion:105 Resp: 45200
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2

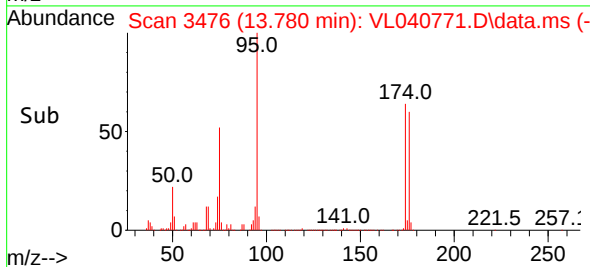
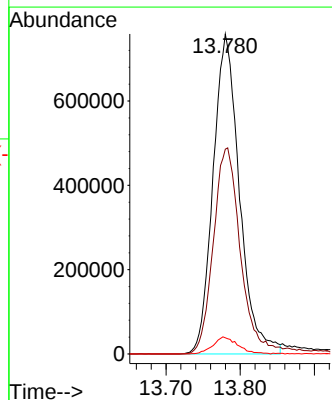
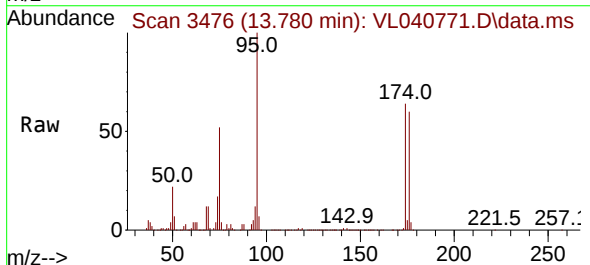
Manual Integrations
 APPROVED

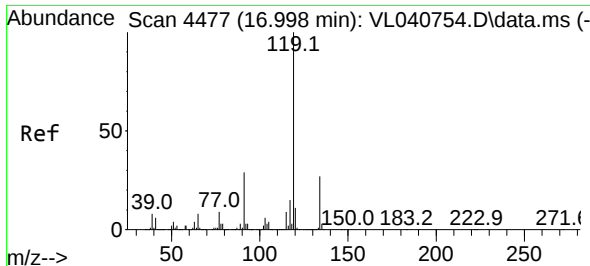
Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.195 ppbv
 RT: 13.780 min Scan# 3476
 Delta R.T. -0.003 min
 Lab File: VL040771.D
 Acq: 12 Oct 2023 1:11

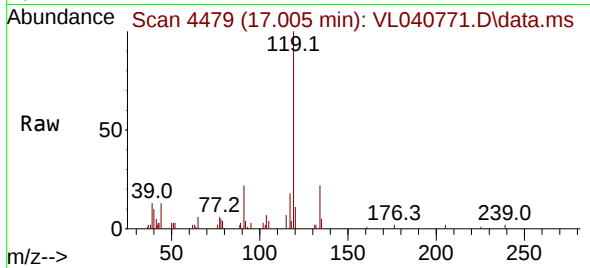
Tgt Ion: 95 Resp: 1871504
 Ion Ratio Lower Upper
 95 100
 174 68.9 54.7 82.1
 175 5.1 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.083 ppbv m
RT: 17.005 min Scan# 4477
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

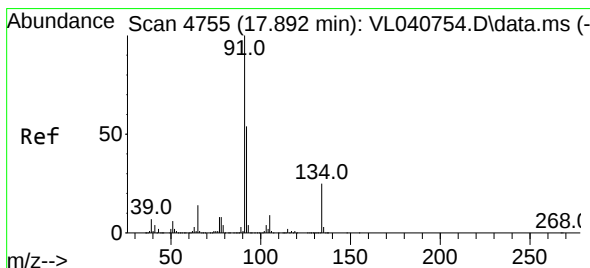
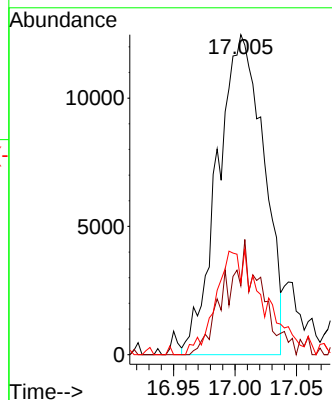
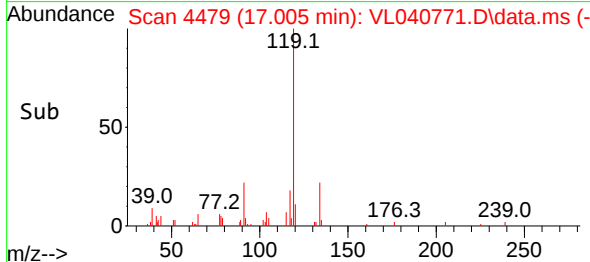
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



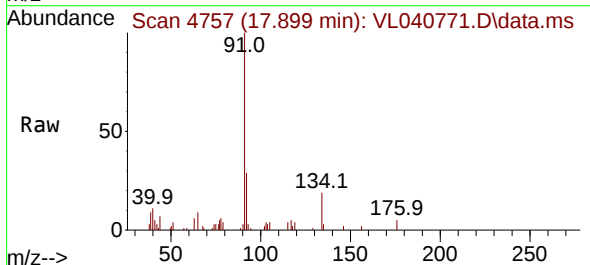
Tgt Ion: 119 Resp: 3251
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4
91 0.0 22.8 34.2

Manual Integrations
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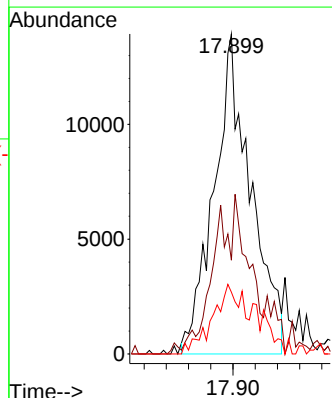
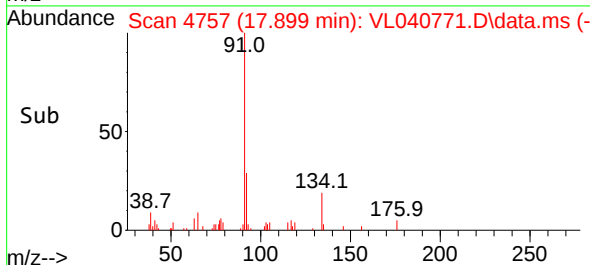
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

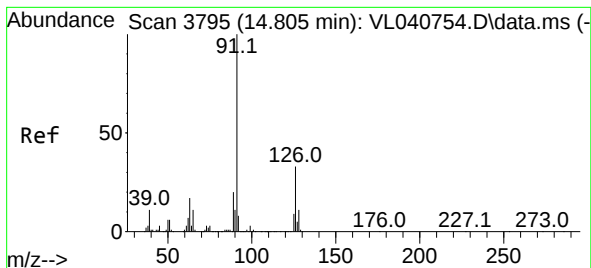


#70
n-Butylbenzene
Concen: 0.083 ppbv m
RT: 17.899 min Scan# 4757
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



Tgt Ion: 91 Resp: 32098
Ion Ratio Lower Upper
91 100
92 53.4 44.1 66.1
134 25.2 19.5 29.3





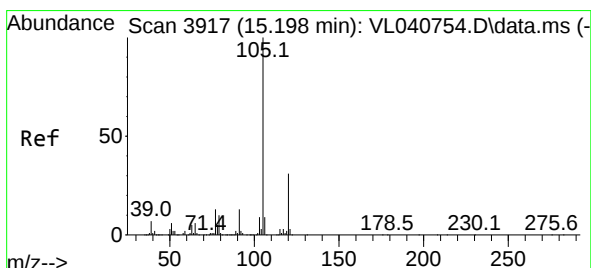
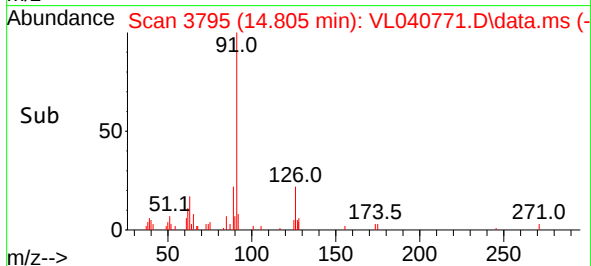
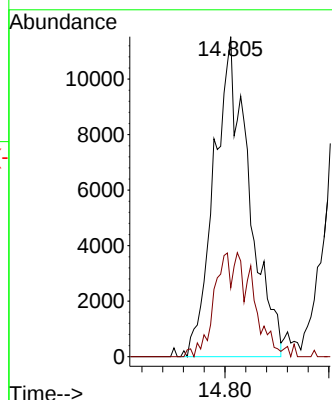
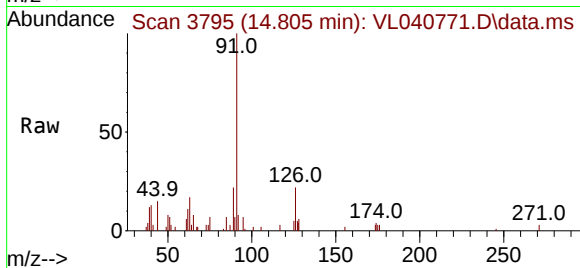
#71
2-Chlorotoluene
Concen: 0.094 ppbv m
RT: 14.805 min Scan# 3795
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 91 Resp: 26773
Ion Ratio Lower Upper
91 100
126 0.0 13.3 53.1

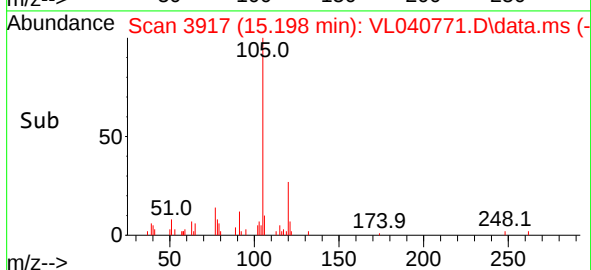
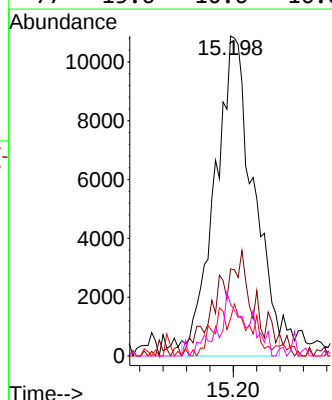
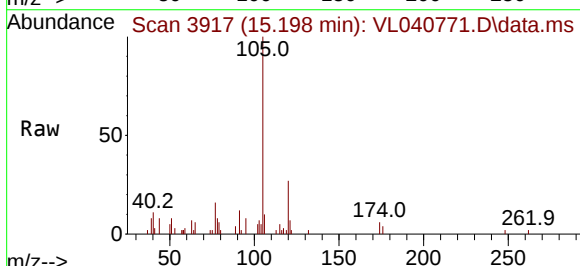
Manual Integrations
APPROVED

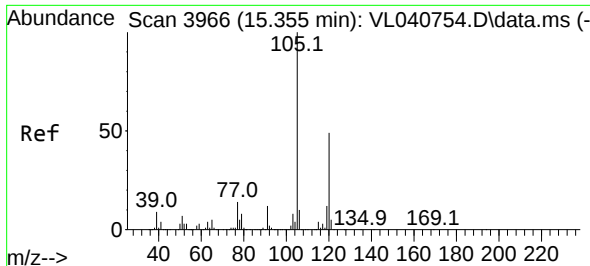
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#72
4-Ethyltoluene
Concen: 0.086 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

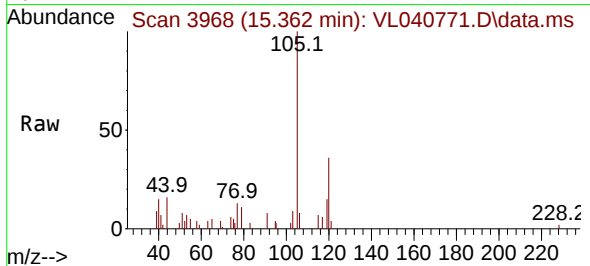
Tgt Ion:105 Resp: 24744
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 16.3 9.8 14.8#
77 15.6 10.6 16.0





#73
1,3,5-Trimethylbenzene
Concen: 0.089 ppbv m
RT: 15.362 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

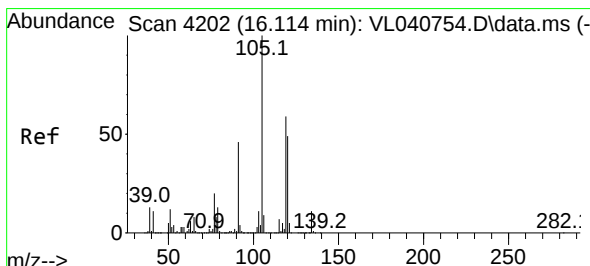
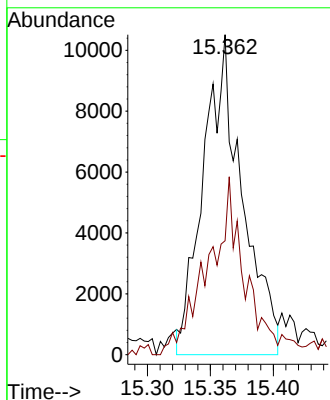
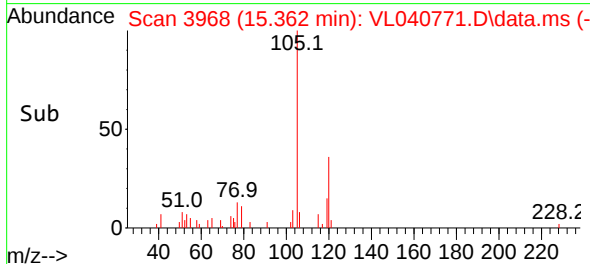
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



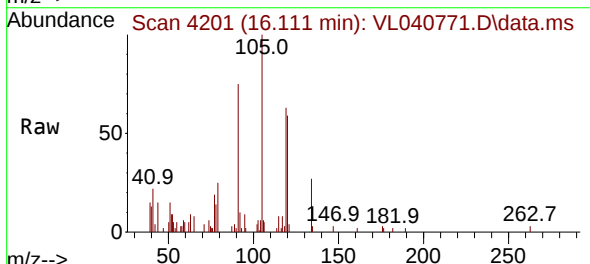
Tgt Ion:105 Resp: 22550
Ion Ratio Lower Upper
105 100
120 35.6 39.4 59.2

Manual Integrations
APPROVED

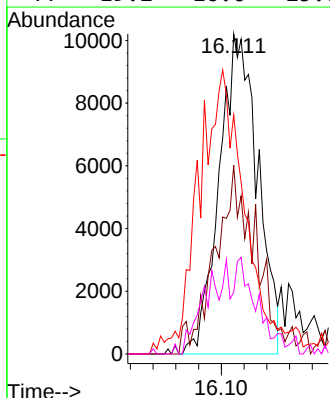
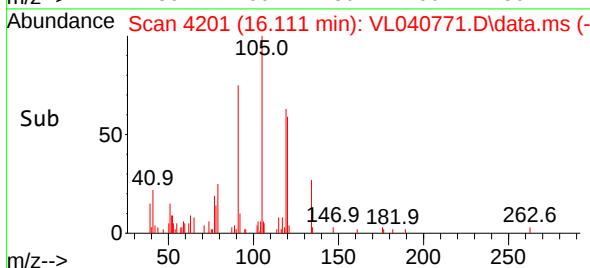
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

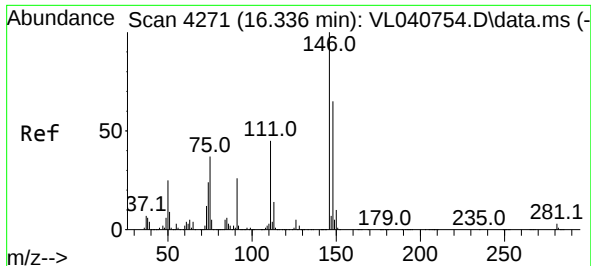


#74
1,2,4-Trimethylbenzene
Concen: 0.086 ppbv m
RT: 16.111 min Scan# 4201
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



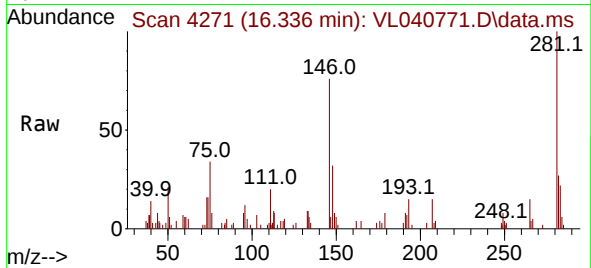
Tgt Ion:105 Resp: 23927
Ion Ratio Lower Upper
105 100
120 59.0 39.4 59.2
91 74.7 38.6 58.0#
77 19.2 16.6 25.0





#75
1,3-Dichlorobenzene
Concen: 0.089 ppbv m
RT: 16.336 min Scan# 4271
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

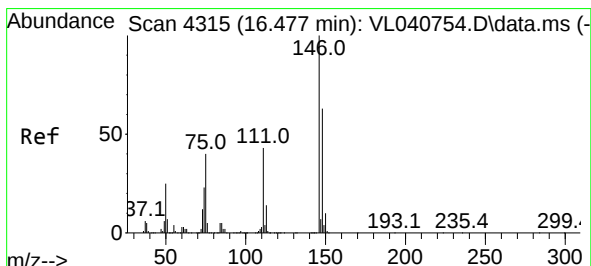
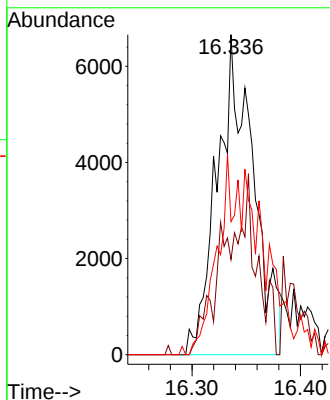
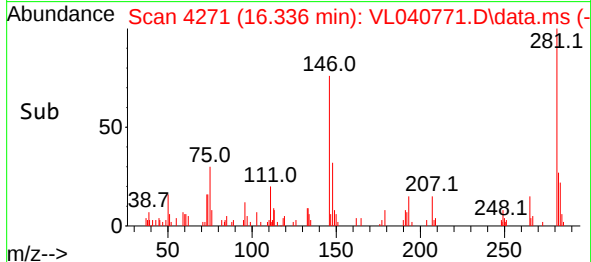
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023



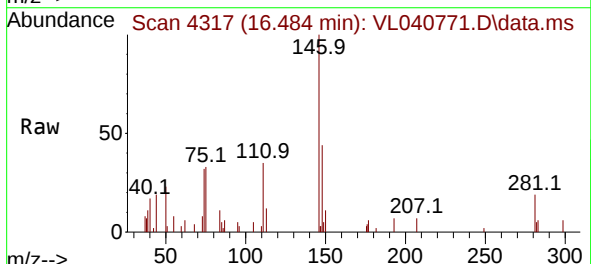
Tgt Ion:146 Resp: 15400
Ion Ratio Lower Upper
146 100
111 0.0 22.6 67.7
148 77.1 32.4 97.0

Manual Integrations
APPROVED

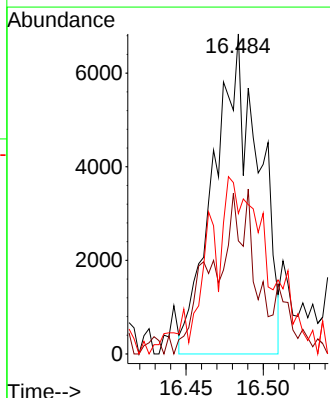
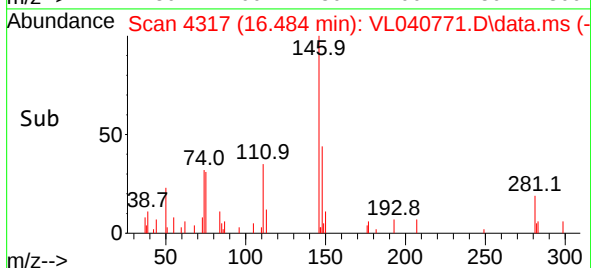
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023

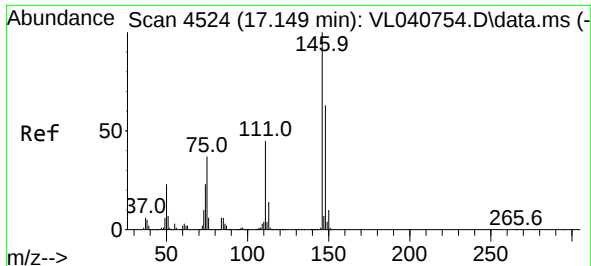


#76
1,4-Dichlorobenzene
Concen: 0.081 ppbv m
RT: 16.484 min Scan# 4317
Delta R.T. 0.006 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



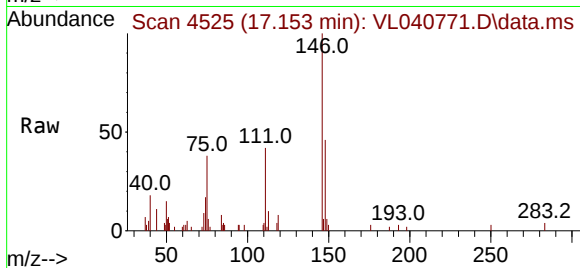
Tgt Ion:146 Resp: 13853
Ion Ratio Lower Upper
146 100
111 0.0 22.0 66.0#
148 74.8 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.098 ppbv m
RT: 17.153 min Scan# 4525
Delta R.T. 0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

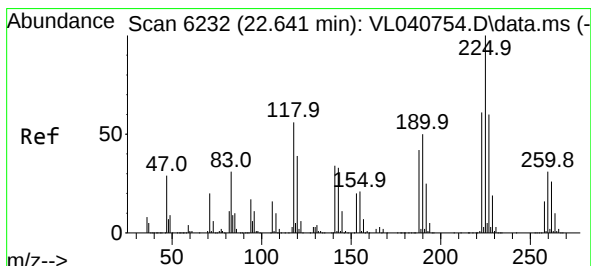
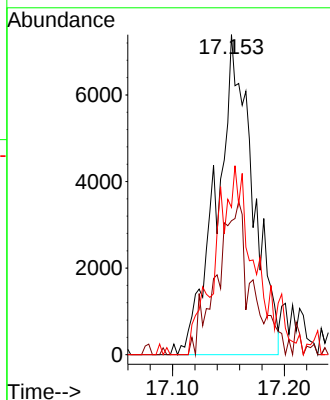
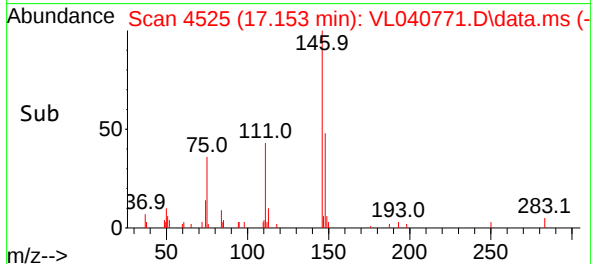
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:146 Resp: 1664
Ion Ratio Lower Upper
146 100
111 0.0 22.9 68.8
148 0.0 32.3 96.8

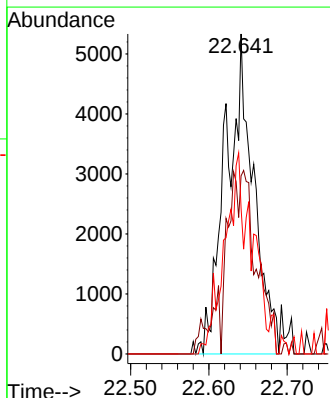
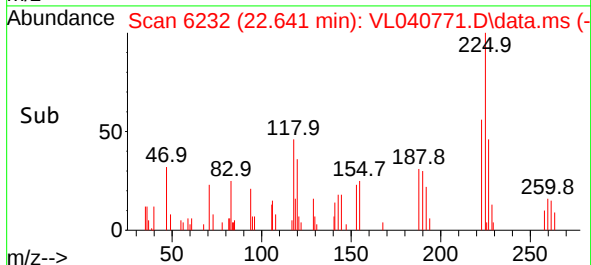
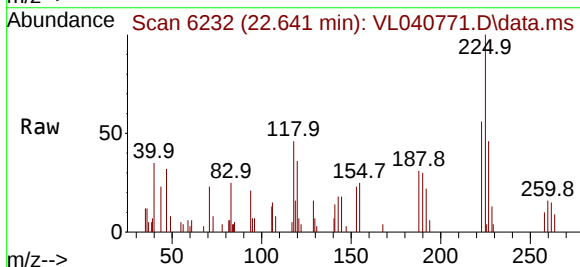
Manual Integrations
APPROVED

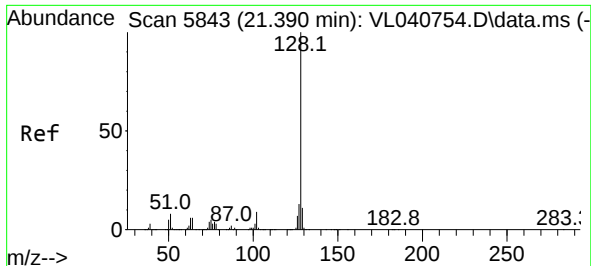
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.109 ppbv m
RT: 22.641 min Scan# 6232
Delta R.T. -0.000 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

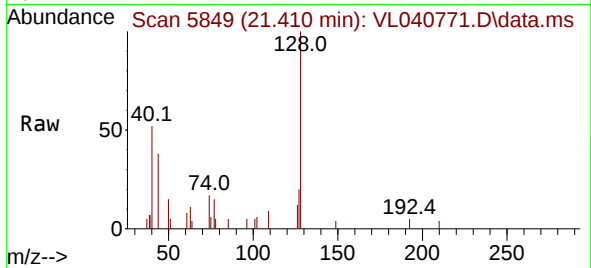
Tgt Ion:225 Resp: 13157
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.4 77.0#





#79
Naphthalene
Concen: 0.043 ppbv m
RT: 21.410 min Scan# 5843
Delta R.T. 0.019 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11

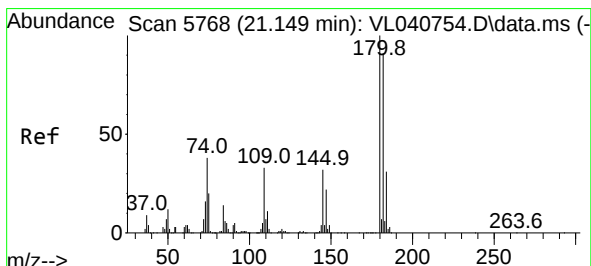
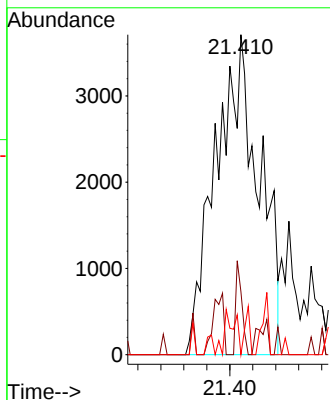
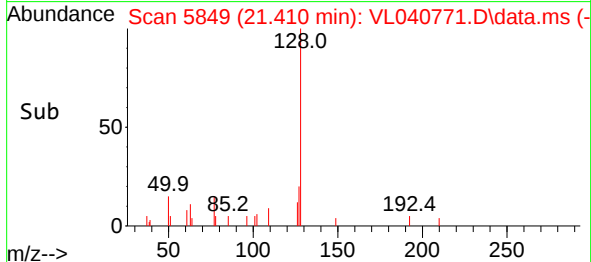
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



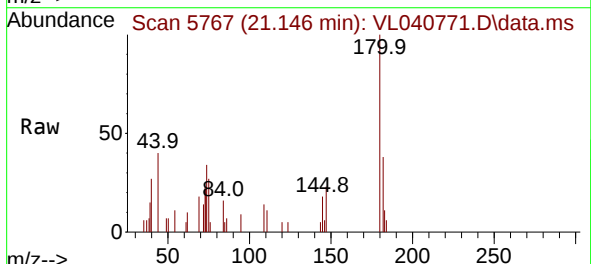
Tgt Ion:128 Resp: 966
Ion Ratio Lower Upper
128 100
127 19.7 10.6 15.8
129 0.0 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#81
1,2,4-Trichlorobenzene
Concen: 0.052 ppbv m
RT: 21.146 min Scan# 5767
Delta R.T. -0.003 min
Lab File: VL040771.D
Acq: 12 Oct 2023 1:11



Tgt Ion:180 Resp: 6390
Ion Ratio Lower Upper
180 100
182 0.0 77.9 116.9#
184 0.0 25.0 37.6#

