

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040801.D
 Acq On : 25 Oct 2023 15:36
 Operator : SY/MD
 Sample : 04699-15 0.45 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:52:35 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)

Internal Standards						
1) Bromochloromethane	5.189	49	949055	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2510272	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	2331781	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1846100 10.760 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	99618	0.596	ppbv	90
3) Chlorodifluoromethane	2.690	51	79155	0.568	ppbv	99
4) Chloromethane	2.825	50	29229	0.531	ppbv	95
5) Vinyl Chloride	2.928	62	27895	0.490	ppbv	97
6) Bromomethane	3.131	94	13486m	0.573	ppbv	
7) Chloroethane	3.205	64	9211m	0.497	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	71297	0.563	ppbv	98
9) Propene	2.706	41	29124	0.562	ppbv	98
10) Heptane	7.574	43	63315m	0.487	ppbv	
11) Trichlorofluoromethane	3.568	101	73423	0.569	ppbv	87
12) 1,1,2-Trichlorotrifluo...	4.066	101	49386	0.537	ppbv	97
13) Ethanol	3.276	45	10186m	0.871	ppbv	
14) Bromoethene	3.372	108	20794m	0.528	ppbv	
15) Acetone	3.488	43	80985	0.825	ppbv	95
16) 1,3-Butadiene	2.999	39	26279m	0.511	ppbv	
17) tert-Butyl alcohol	3.896	59	43191	0.429	ppbv #	94
18) 1,1-Dichloroethene	3.883	96	20681	0.502	ppbv	89
19) Isopropyl Alcohol	3.600	45	33315	0.527	ppbv #	52
20) Methylene Chloride	3.935	84	48087	1.177	ppbv	96
21) Allyl Chloride	3.999	41	31952	0.494	ppbv #	77
22) trans-1,2-Dichloroethene	4.449	96	21488	0.490	ppbv #	72
23) Vinyl Acetate	4.629	43	49506	0.396	ppbv #	92
24) 1,1-Dichloroethane	4.562	63	45386	0.481	ppbv	96
25) Ethyl Acetate	5.208	43	106491	0.495	ppbv	99
26) Hexane	5.211	57	62140m	0.632	ppbv	
27) Carbon Disulfide	4.128	76	46484	0.429	ppbv #	71
28) Methyl tert-Butyl Ether	4.594	73	31488	0.412	ppbv	93
29) Chloroform	5.269	83	75996	0.535	ppbv	95
30) Cyclohexane	6.594	84	36311	0.434	ppbv	89
31) cis-1,2-Dichloroethene	5.073	61	42957	0.474	ppbv	92
32) 1,1,1-Trichloroethane	5.992	97	74466	0.492	ppbv	99
34) 2-Butanone	4.793	43	63983	0.563	ppbv	95
35) Carbon Tetrachloride	6.484	117	70771	0.502	ppbv	96
36) Benzene	6.365	78	96487m	0.500	ppbv	
37) 1,2-Dichloroethane	5.800	62	54860	0.555	ppbv	98
38) Trichloroethene	7.282	130	37698	0.441	ppbv	98
39) 1,2-Dichloropropane	7.060	63	41203m	0.546	ppbv	
40) 1,4-Dioxane	7.314	88	16989m	0.595	ppbv	
41) Tetrahydrofuran	5.574	42	32410	0.412	ppbv #	86
42) Bromodichloromethane	7.240	83	79304	0.535	ppbv	92
43) Methyl Methacrylate	7.468	69	35535	0.460	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	169498m	0.519	ppbv	
45) t-1,3-Dichloropropene	8.703	75	18669m	0.303	ppbv	

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 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:52:35 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	8.131	75	30530	0.405	ppbv	95
47) 1,1,2-Trichloroethane	8.880	97	43738m	0.552	ppbv	
48) Dibromochloromethane	9.696	129	59108	0.445	ppbv	99
49) Bromoform	12.391	173	43851	0.406	ppbv	98
50) 4-Methyl-2-Pentanone	8.192	43	89505	0.460	ppbv	97
51) 2-Hexanone	9.568	43	63026m	0.426	ppbv	
52) Tetrachloroethene	10.597	164	34675	0.442	ppbv	93
53) Toluene	9.205	91	104273	0.454	ppbv	97
54) 1,2-Dibromoethane	9.995	107	52668	0.474	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.494	131	47012	0.494	ppbv #	68
57) Chlorobenzene	11.510	112	92470m	0.553	ppbv	
58) Ethyl Benzene	12.069	91	139596	0.475	ppbv #	83
59) m/p-Xylene	12.352	91	252953m	1.047	ppbv	
60) o-Xylene	13.044	91	117451	0.510	ppbv	100
61) Styrene	12.880	104	54736	0.429	ppbv	96
62) Isopropylbenzene	14.011	105	188338	0.532	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.034	83	97576m	0.565	ppbv	
64) n-propylbenzene	14.902	120	44348m	0.466	ppbv	
65) tert-Butylbenzene	16.072	119	160860	0.504	ppbv	90
66) Benzyl Chloride	16.326	91	8019m	0.249	ppbv	
67) sec-Butylbenzene	16.616	105	223357	0.511	ppbv	95
69) p-Isopropyltoluene	16.979	119	164667	0.449	ppbv #	93
70) n-Butylbenzene	17.873	91	180844	0.502	ppbv	98
71) 2-Chlorotoluene	14.786	91	135110	0.508	ppbv	94
72) 4-Ethyltoluene	15.179	105	132780	0.492	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.336	105	115363	0.486	ppbv	86
74) 1,2,4-Trimethylbenzene	16.089	105	133368	0.514	ppbv #	90
75) 1,3-Dichlorobenzene	16.317	146	79579m	0.493	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	79763m	0.499	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	77721m	0.491	ppbv	
78) Hexachloro-1,3-Butadiene	22.616	225	61378m	0.542	ppbv	
79) Naphthalene	21.374	128	61147m	0.290	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	42049m	0.367	ppbv	

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

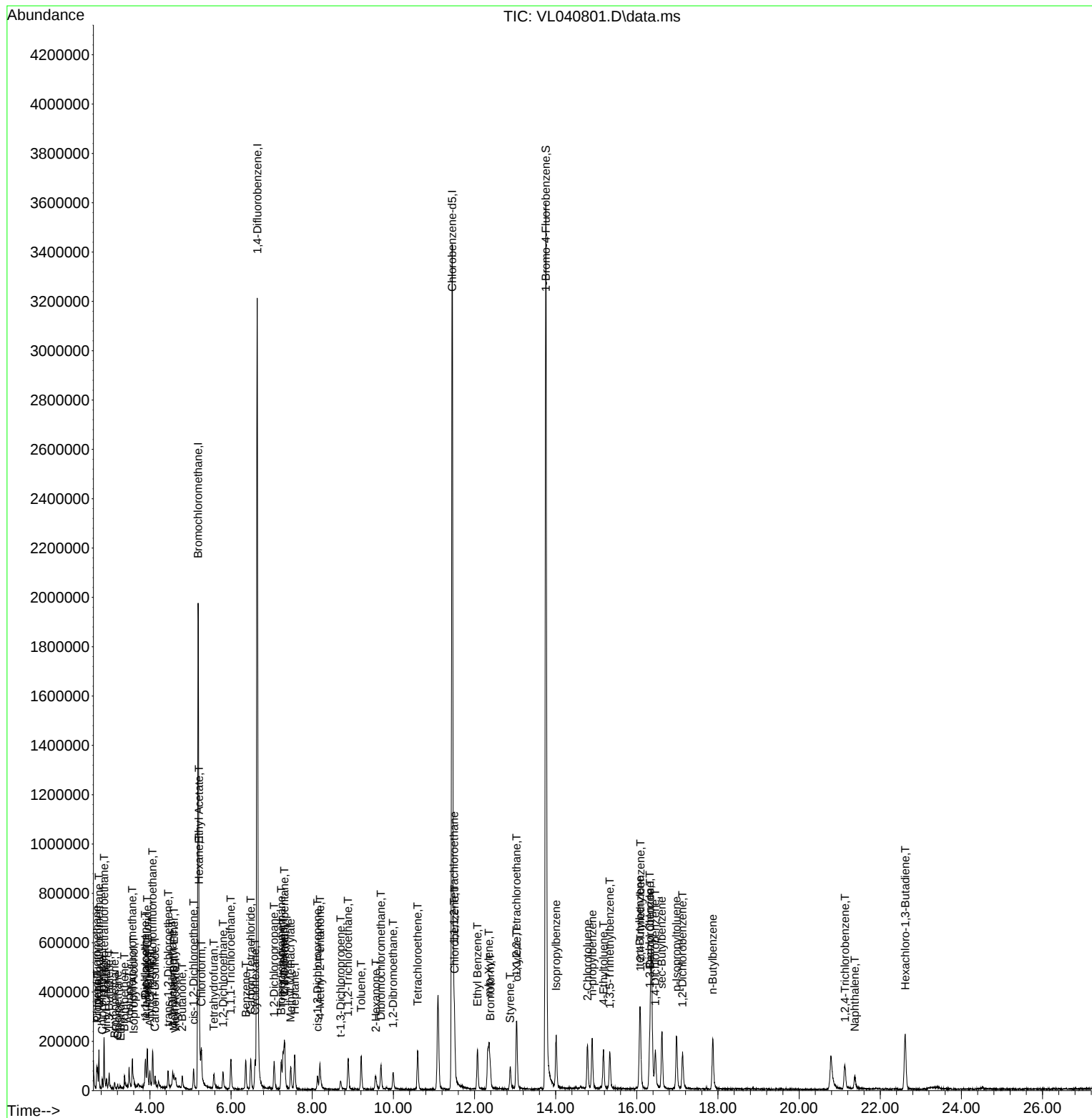
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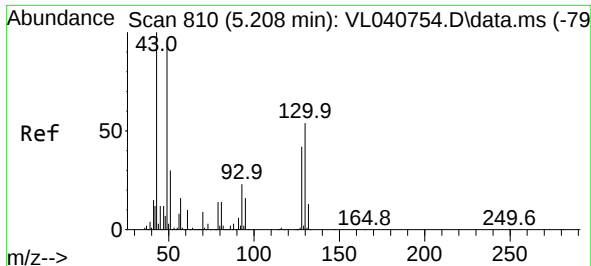
Instrument :
MSVOA_L
ClientSampleId :
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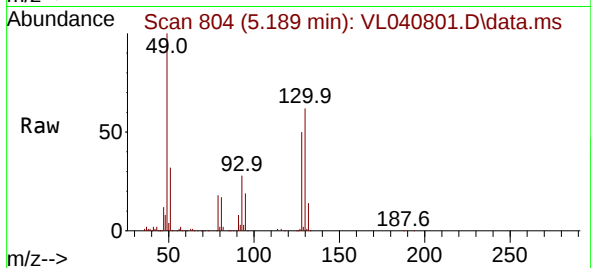
Reviewed By : Semsettin Yesilyurt 10/26/2023
Supervised By : Mahesh Dadoda 10/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

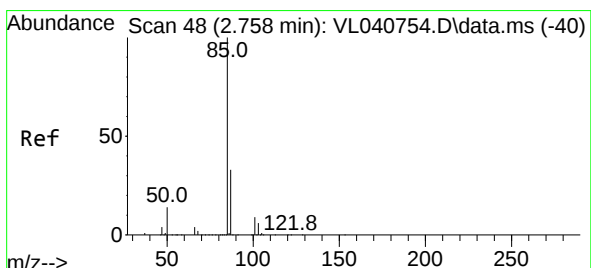
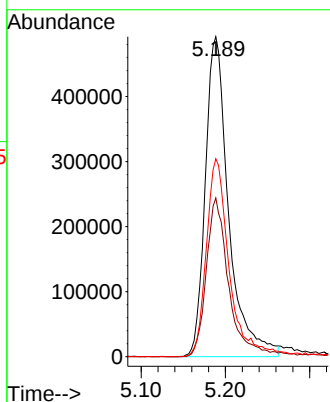
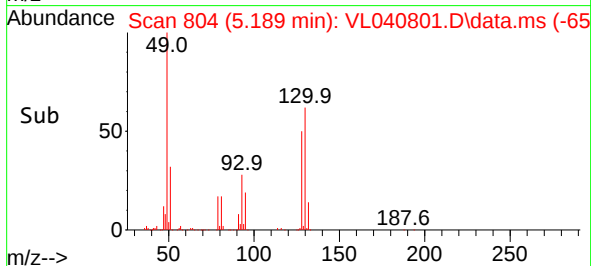
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 94905
Ion Ratio Lower Upper
49 100
128 48.9 23.9 71.7
130 62.8 30.7 92.1

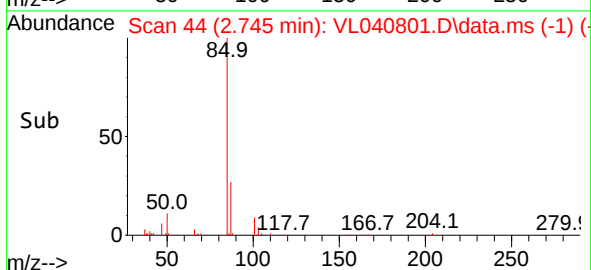
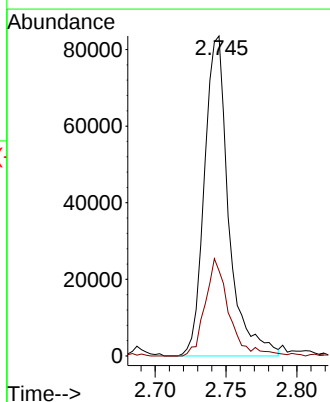
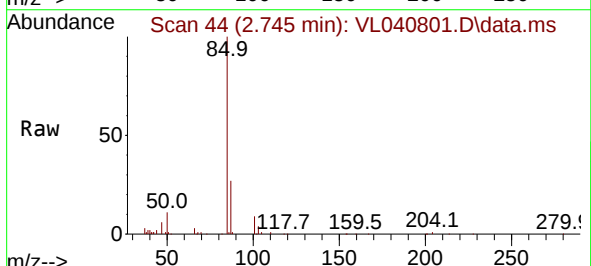
Manual Integrations
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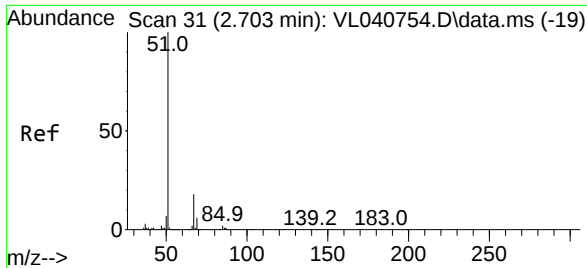
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.596 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

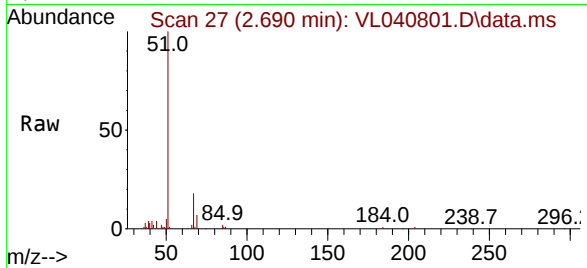
Tgt Ion: 85 Resp: 99618
Ion Ratio Lower Upper
85 100
87 26.7 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.568 ppbv
RT: 2.690 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

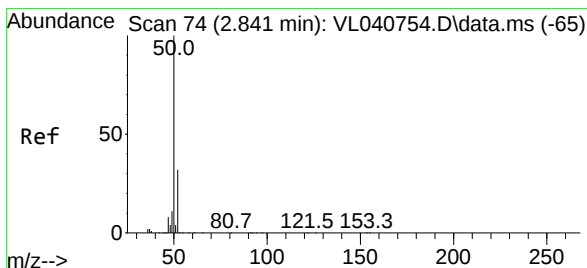
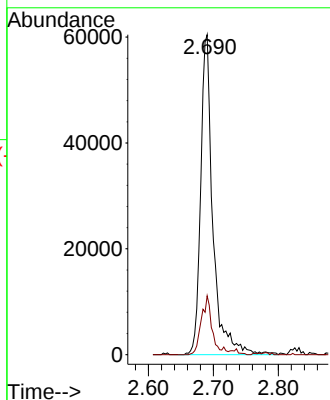
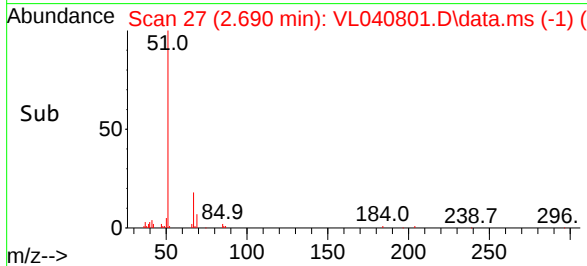
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 51 Resp: 7915
Ion Ratio Lower Upper
51 100
67 17.5 13.8 20.6

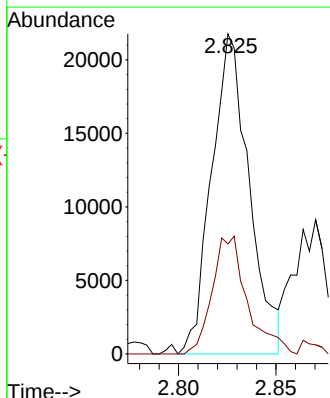
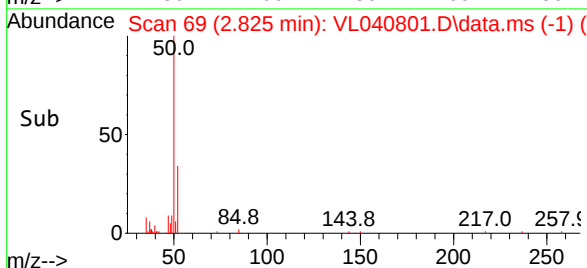
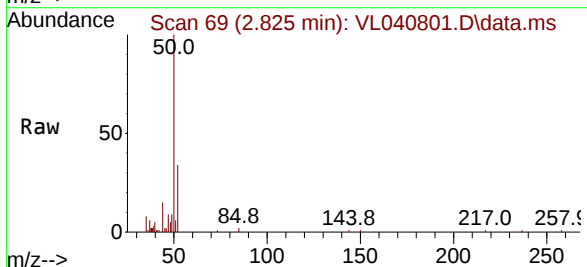
Manual Integrations
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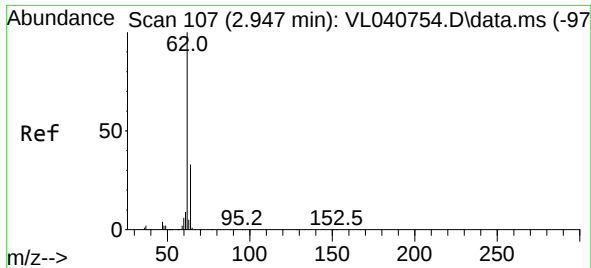
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#4
Chloromethane
Concen: 0.531 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

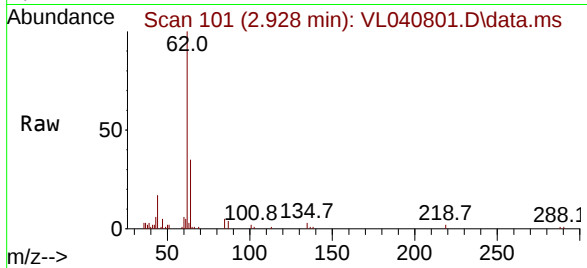
Tgt Ion: 50 Resp: 29229
Ion Ratio Lower Upper
50 100
52 34.4 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.490 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. -0.019 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

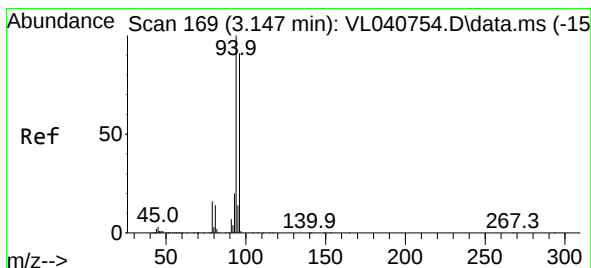
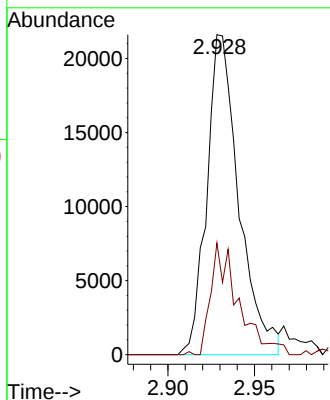
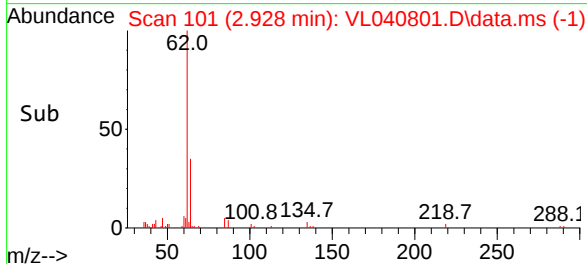
Instrument :
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 MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 2789
 Ion Ratio Lower Upper
 62 100
 64 34.9 26.6 39.8

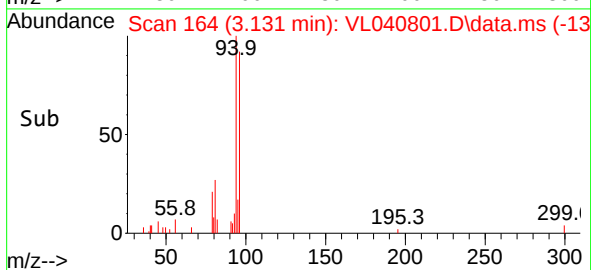
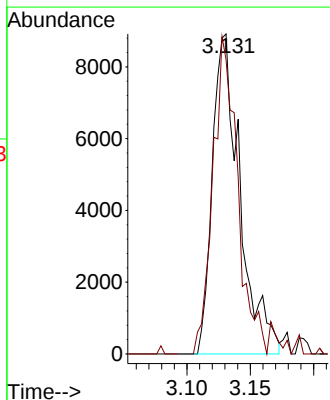
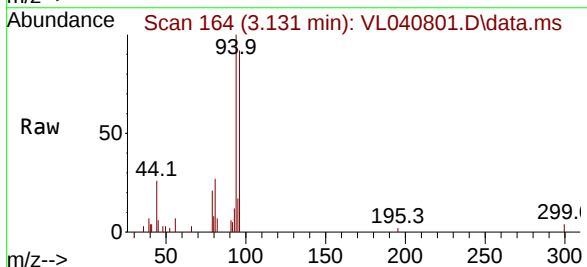
Manual Integrations
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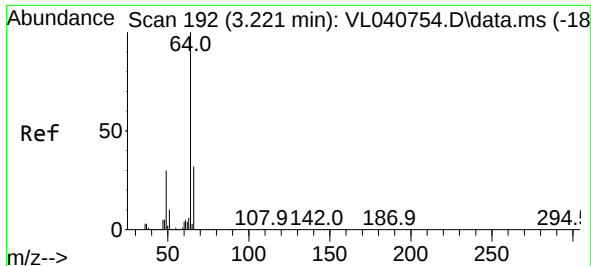
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#6
 Bromomethane
 Concen: 0.573 ppbv m
 RT: 3.131 min Scan# 164
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

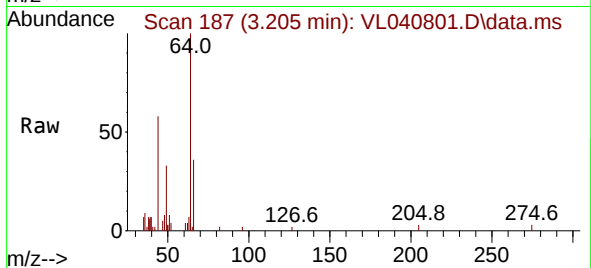
Tgt Ion: 94 Resp: 13486
 Ion Ratio Lower Upper
 94 100
 96 92.0 72.6 109.0





#7
Chloroethane
Concen: 0.497 ppbv m
RT: 3.205 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

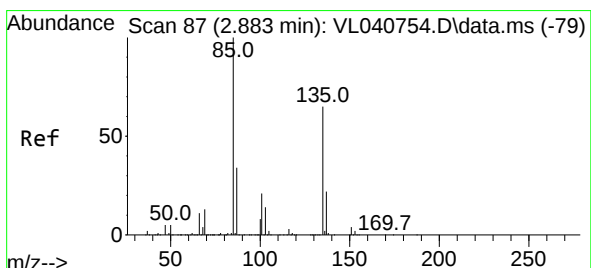
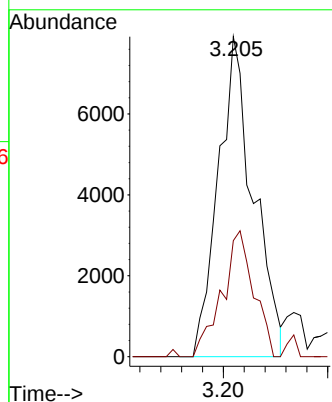
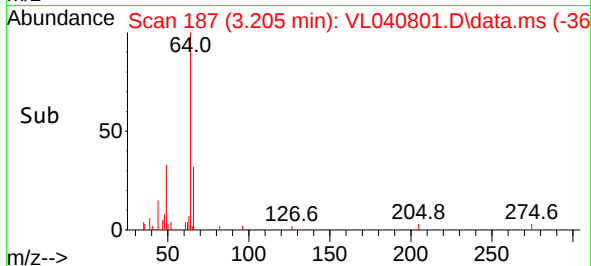
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 921
Ion Ratio Lower Upper
64 100
66 36.3 25.4 38.2

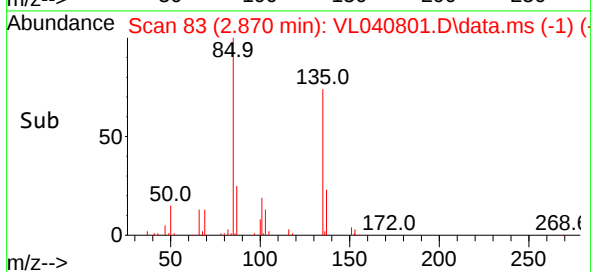
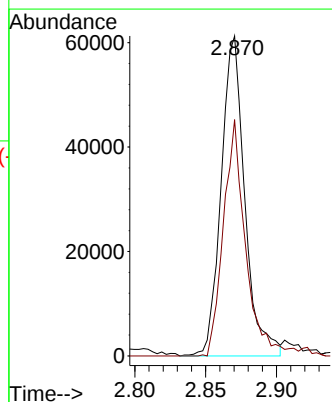
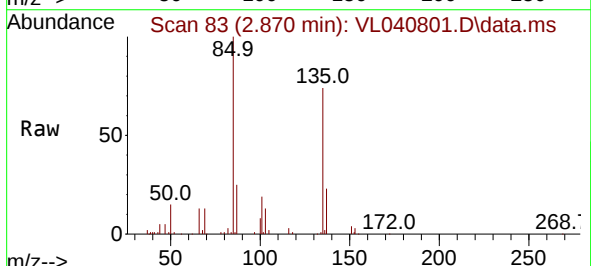
Manual Integrations
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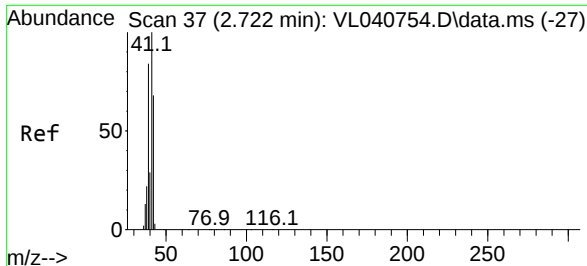
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#8
Dichlorotetrafluoroethane
Concen: 0.563 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.013 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion: 85 Resp: 71297
Ion Ratio Lower Upper
85 100
135 70.7 55.4 83.2





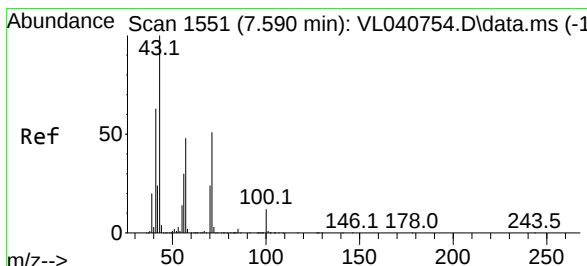
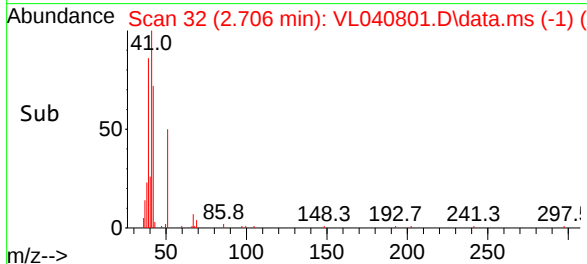
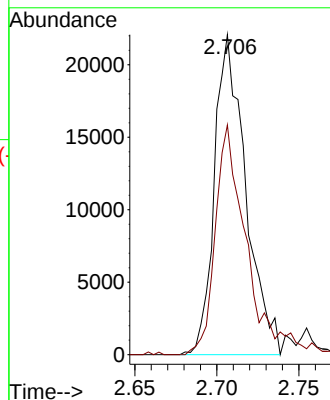
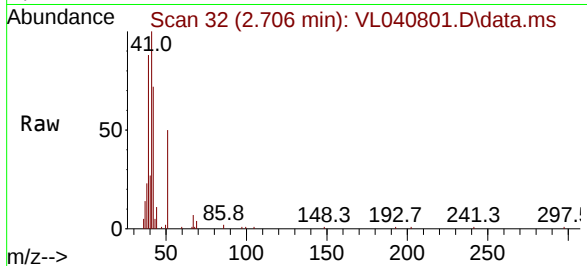
#9
 Propene
 Concen: 0.562 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 41 Resp: 29124
 Ion Ratio Lower Upper
 41 100
 42 73.5 57.1 85.7

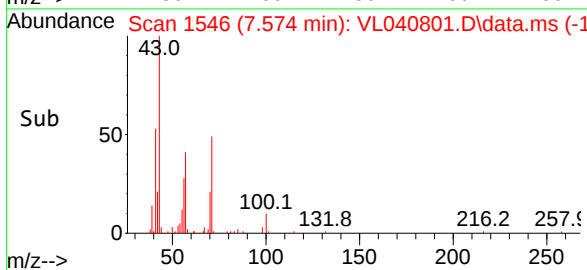
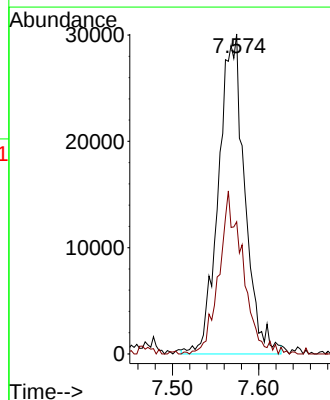
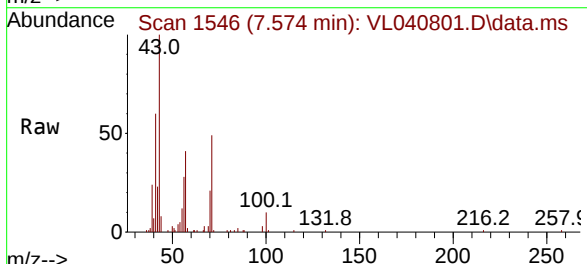
Manual Integrations
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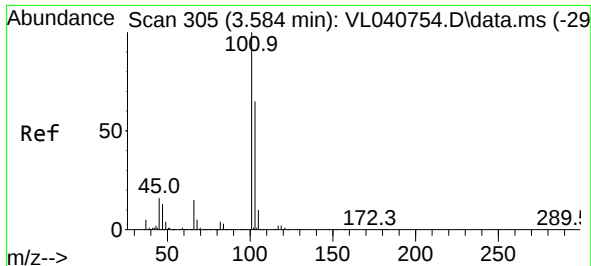
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#10
 Heptane
 Concen: 0.487 ppbv m
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

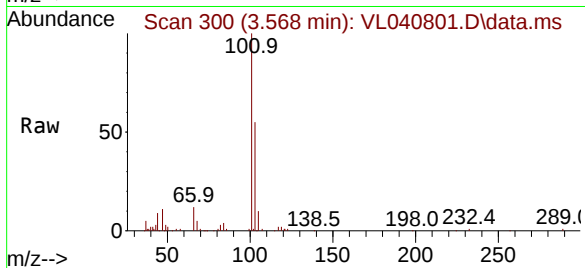
Tgt Ion: 43 Resp: 63315
 Ion Ratio Lower Upper
 43 100
 57 47.1 40.0 60.0





#11
Trichlorofluoromethane
Concen: 0.569 ppbv
RT: 3.568 min Scan# 305
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

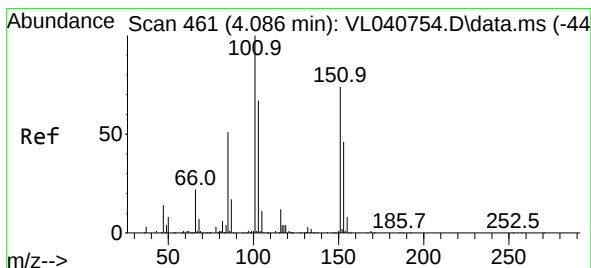
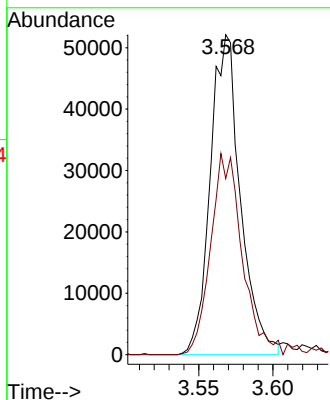
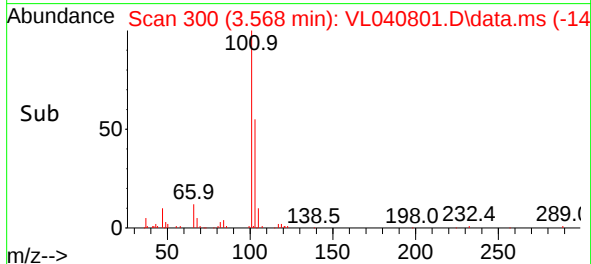
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 7342
Ion Ratio Lower Upper
101 100
103 55.0 52.2 78.2

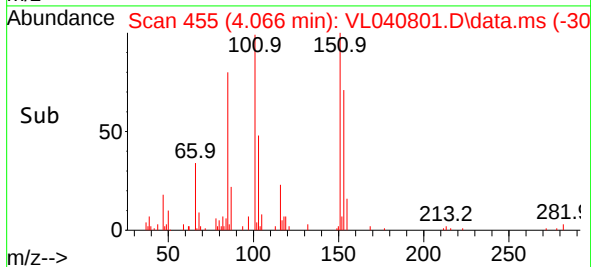
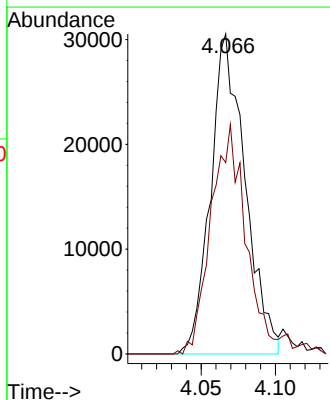
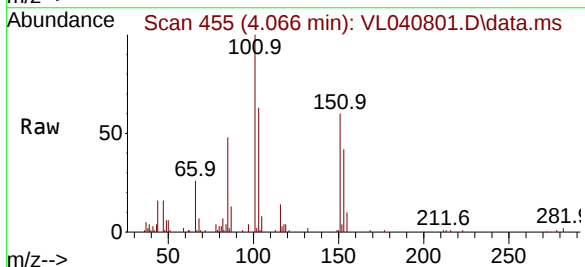
Manual Integrations
APPROVED

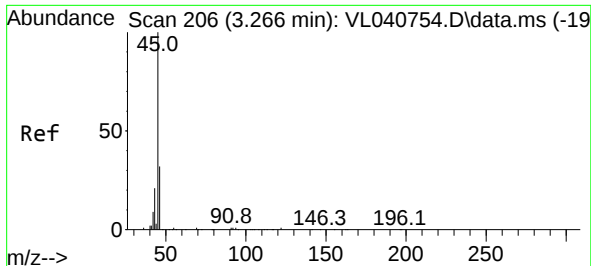
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.537 ppbv
RT: 4.066 min Scan# 455
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion:101 Resp: 49386
Ion Ratio Lower Upper
101 100
151 75.4 58.1 87.1





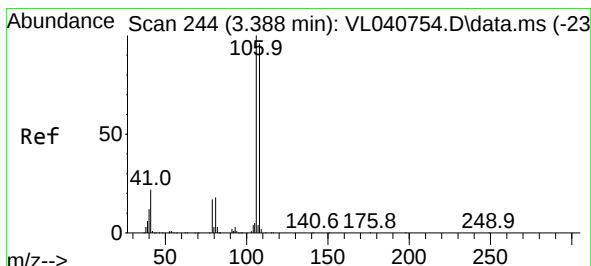
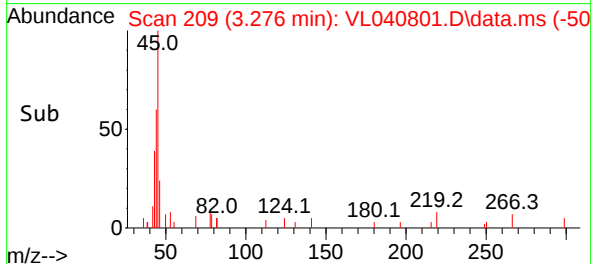
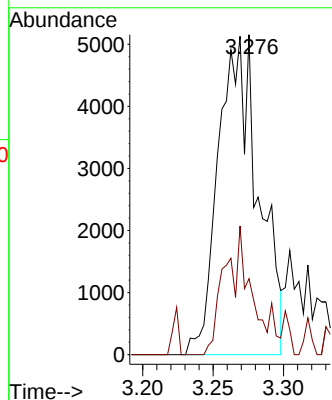
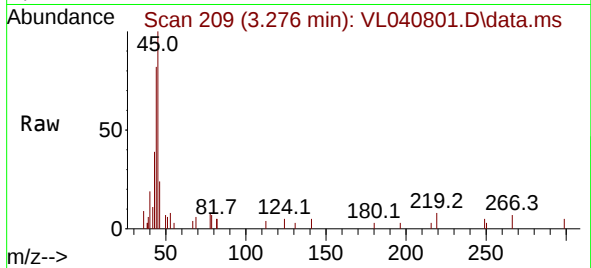
#13
Ethanol
Concen: 0.871 ppbv m
RT: 3.276 min Scan# 206
Delta R.T. 0.010 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 45 Resp: 10180
Ion Ratio Lower Upper
45 100
46 32.0 14.6 58.2

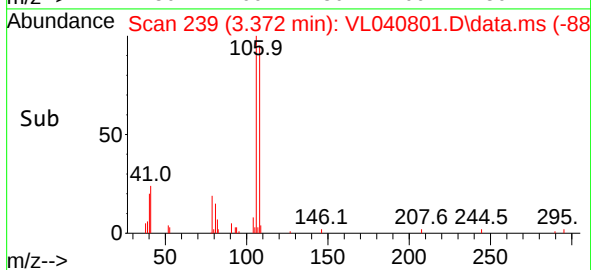
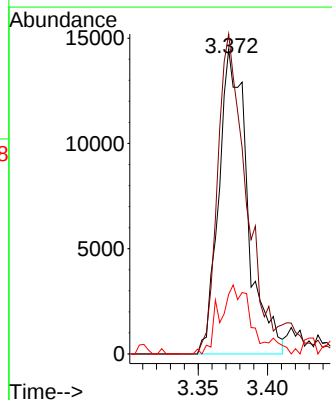
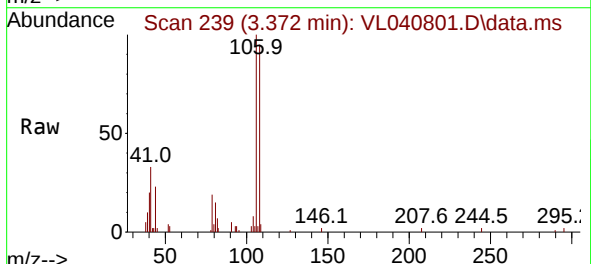
Manual Integrations
APPROVED

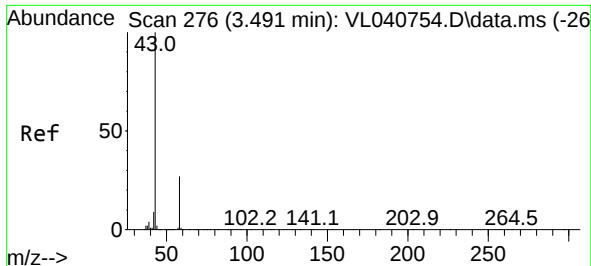
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#14
Bromoethene
Concen: 0.528 ppbv m
RT: 3.372 min Scan# 239
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion:108 Resp: 20794
Ion Ratio Lower Upper
108 100
106 114.0 85.2 127.8
79 25.5 15.7 23.5#





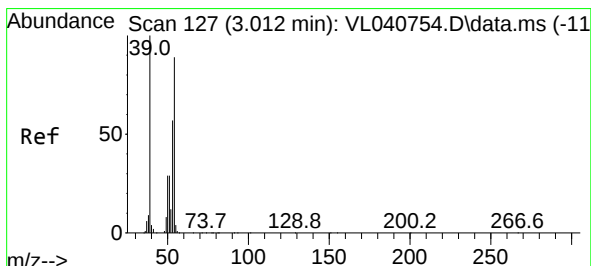
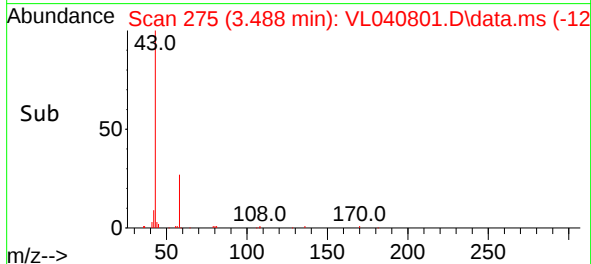
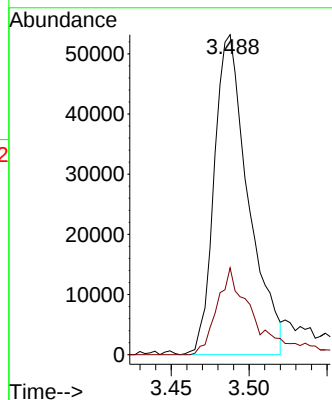
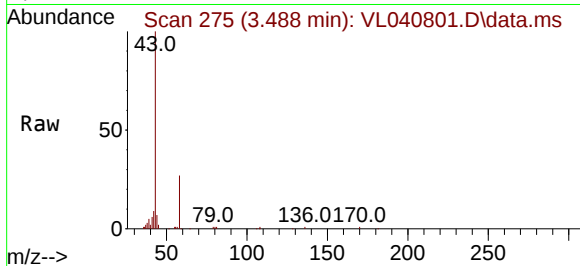
#15
Acetone
Concen: 0.825 ppbv
RT: 3.488 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 8098
Ion Ratio Lower Upper
43 100
58 29.5 21.6 32.4

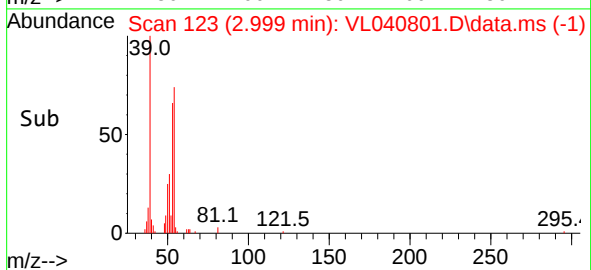
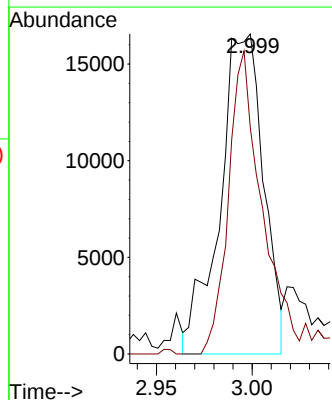
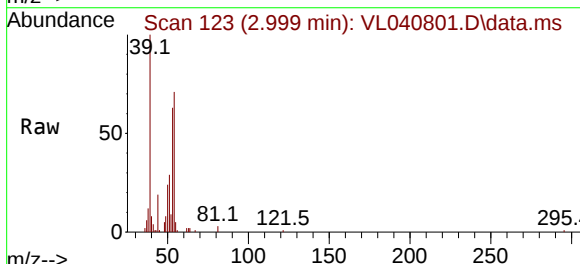
Manual Integrations
APPROVED

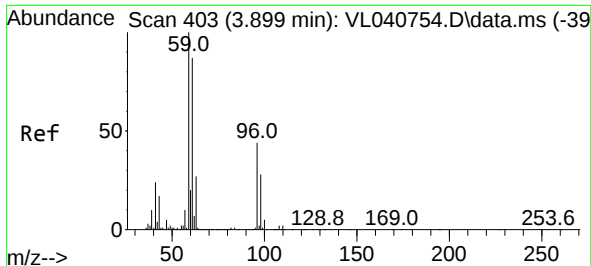
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#16
1,3-Butadiene
Concen: 0.511 ppbv m
RT: 2.999 min Scan# 123
Delta R.T. -0.013 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

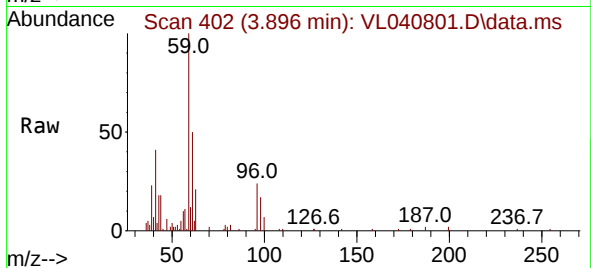
Tgt Ion: 39 Resp: 26279
Ion Ratio Lower Upper
39 100
54 80.2 63.0 94.6





#17
tert-Butyl alcohol
Concen: 0.429 ppbv
RT: 3.896 min Scan# 403
Delta R.T. -0.003 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

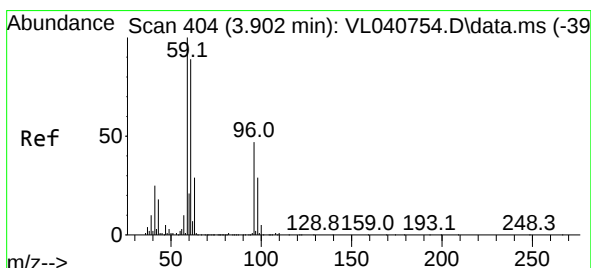
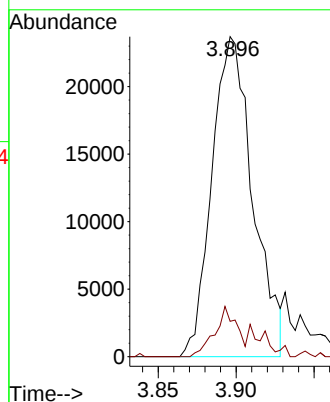
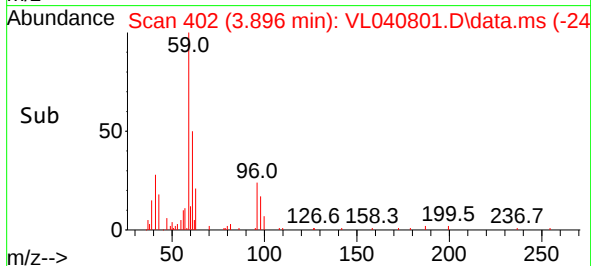
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 59 Resp: 4319
Ion Ratio Lower Upper
59 100
57 13.1 8.6 13.0

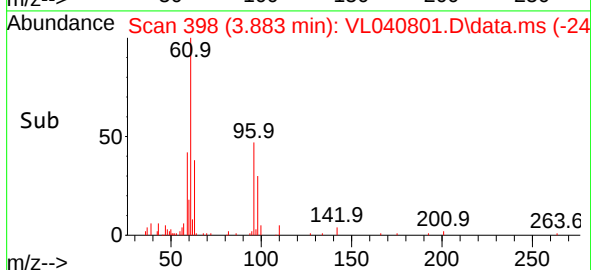
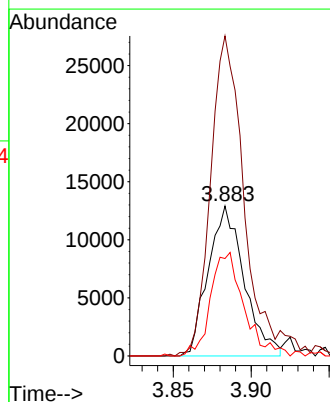
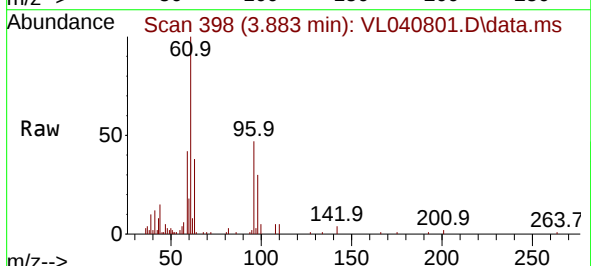
Manual Integrations
APPROVED

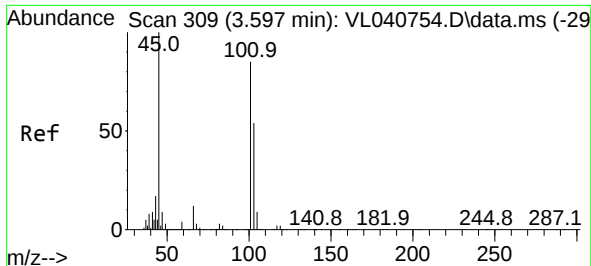
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#18
1,1-Dichloroethene
Concen: 0.502 ppbv
RT: 3.883 min Scan# 398
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

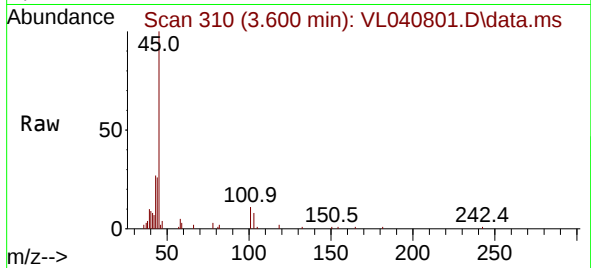
Tgt Ion: 96 Resp: 20681
Ion Ratio Lower Upper
96 100
61 211.1 152.5 228.7
98 65.0 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.527 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.003 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

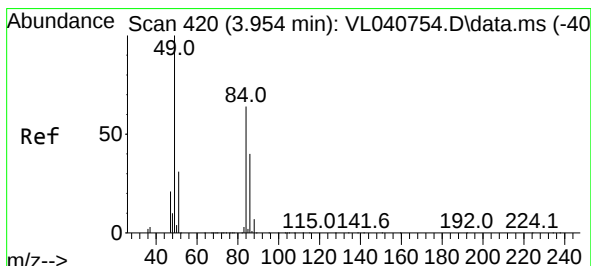
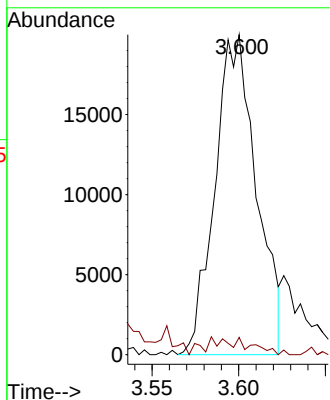
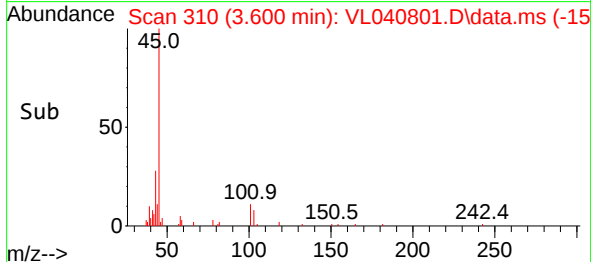
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



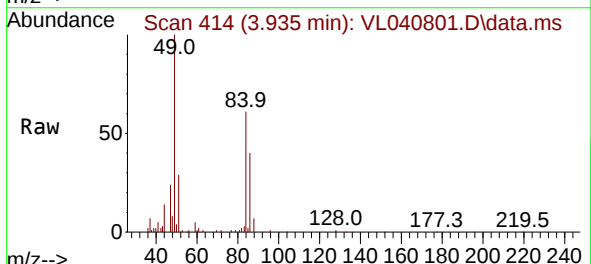
Tgt Ion: 45 Resp: 3331
Ion Ratio Lower Upper
45 100
58 8.8 30.3 45.5

Manual Integrations
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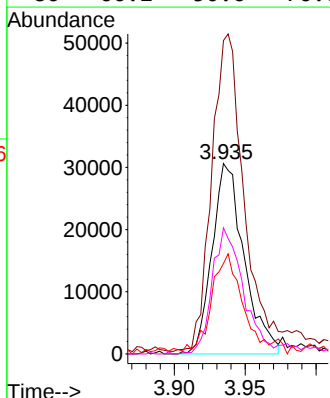
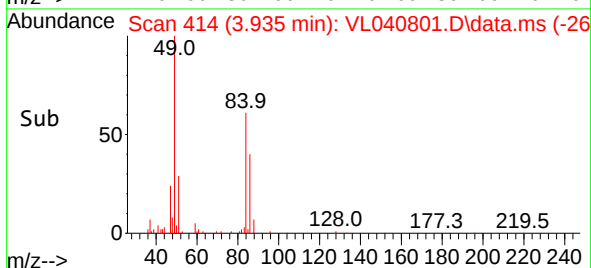
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

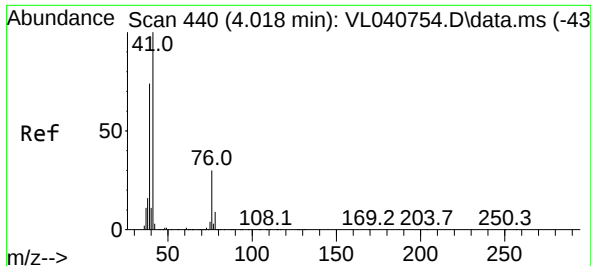


#20
Methylene Chloride
Concen: 1.177 ppbv
RT: 3.935 min Scan# 414
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion: 84 Resp: 48087
Ion Ratio Lower Upper
84 100
49 162.3 125.6 188.4
51 46.0 38.9 58.3
86 66.2 50.6 76.0





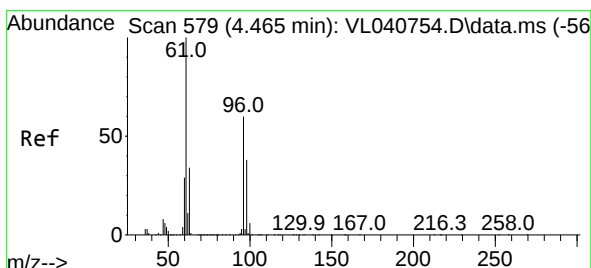
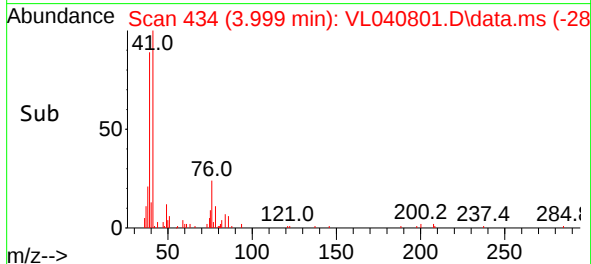
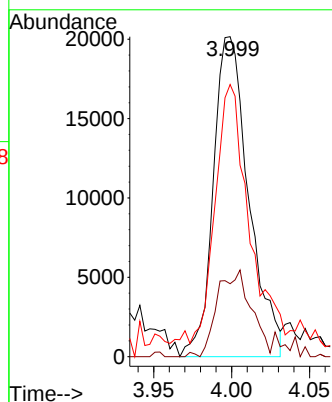
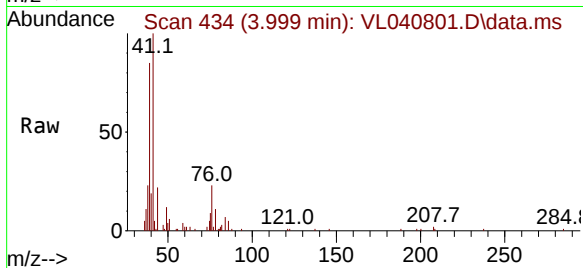
#21
 Allyl Chloride
 Concen: 0.494 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 41 Resp: 31952
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.1 36.1
 39 106.4 63.8 95.6

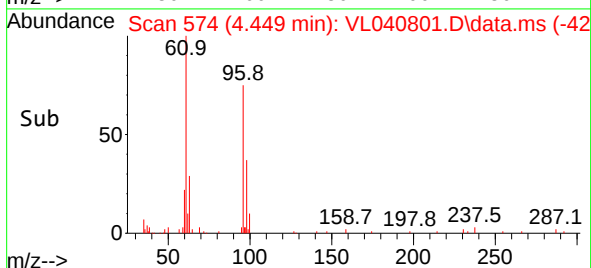
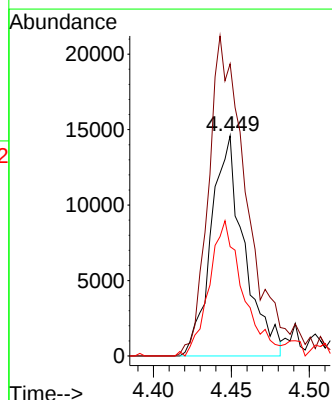
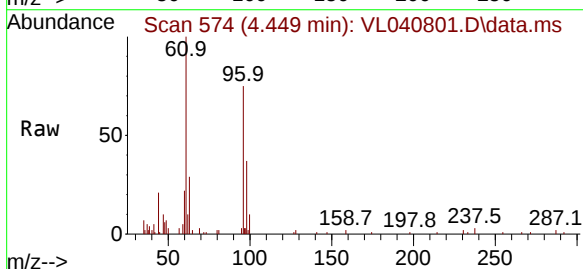
Manual Integrations
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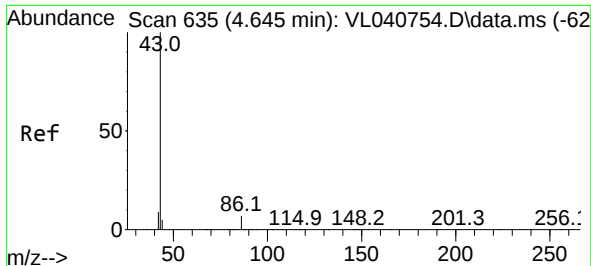
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.490 ppbv
 RT: 4.449 min Scan# 574
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Tgt Ion: 96 Resp: 21488
 Ion Ratio Lower Upper
 96 100
 61 126.1 134.0 201.0#
 98 45.6 51.0 76.4#





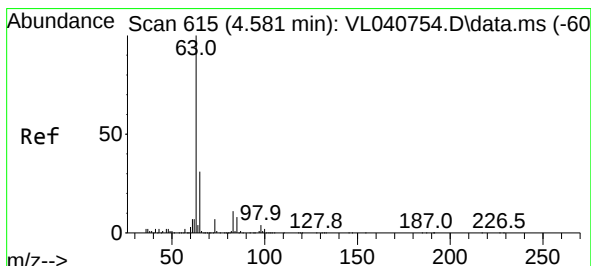
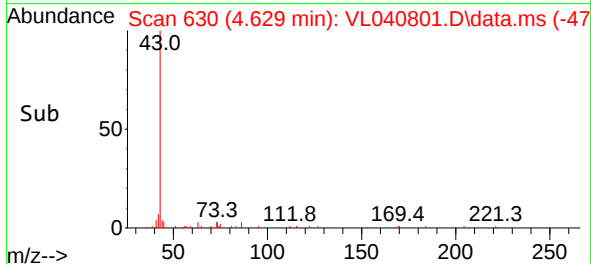
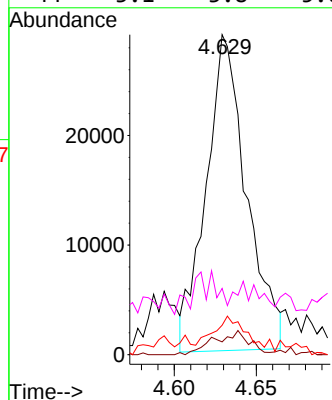
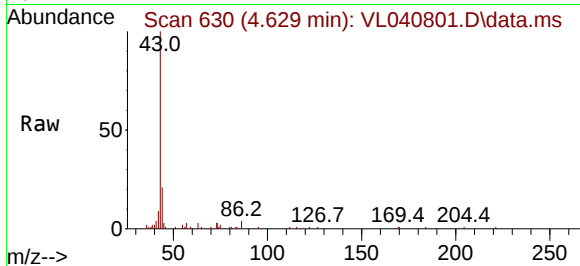
#23
 Vinyl Acetate
 Concen: 0.396 ppbv
 RT: 4.629 min Scan# 610
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 43 Resp: 49500
 Ion Ratio Lower Upper
 43 100
 86 3.8 4.9 7.3
 42 6.3 7.8 11.6
 44 3.1 3.8 5.6

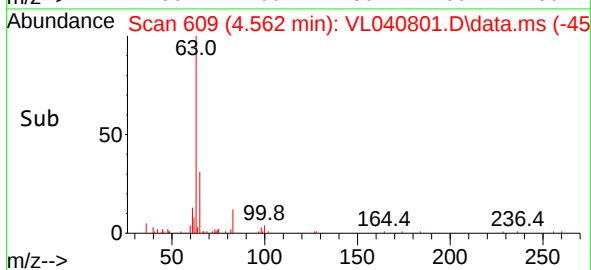
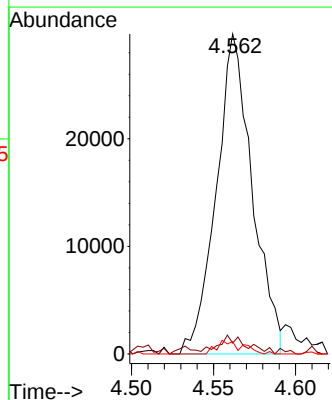
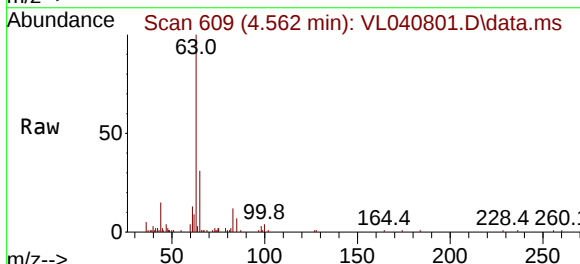
Manual Integrations
 APPROVED

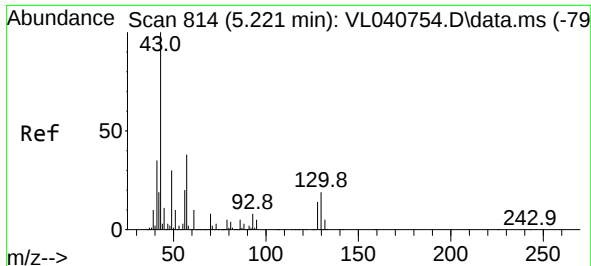
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#24
 1,1-Dichloroethane
 Concen: 0.481 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.019 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Tgt Ion: 63 Resp: 45386
 Ion Ratio Lower Upper
 63 100
 98 2.6 2.0 5.8
 100 3.7 1.3 3.8





#25

Ethyl Acetate

Concen: 0.495 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.013 min

Lab File: VL040801.D

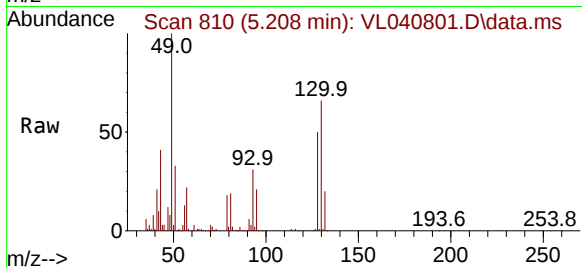
Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 10649

Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.4

61 9.8 8.2 12.2

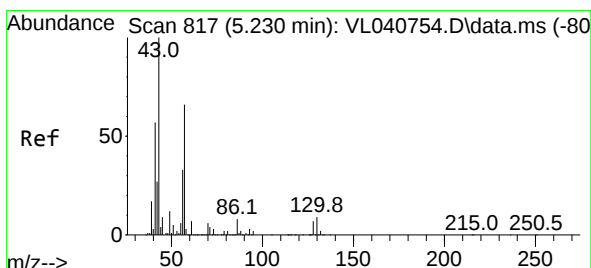
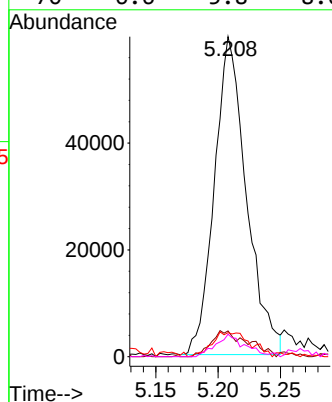
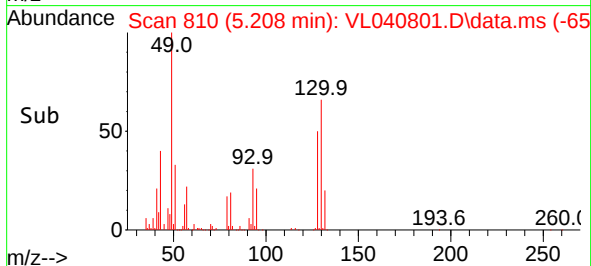
70 6.6 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#26

Hexane

Concen: 0.632 ppbv m

RT: 5.211 min Scan# 811

Delta R.T. -0.019 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Tgt Ion: 57 Resp: 62140

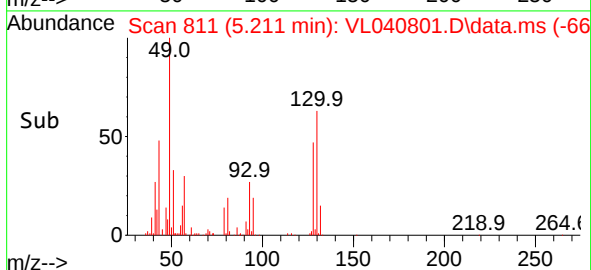
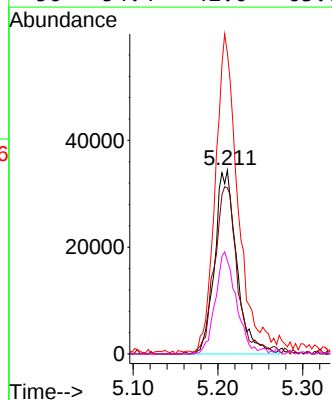
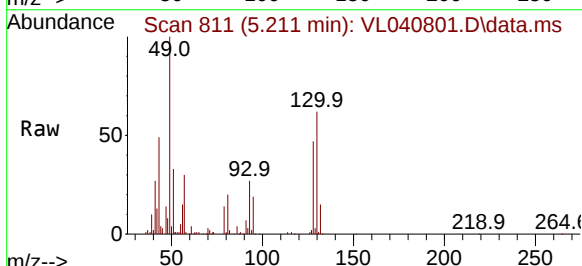
Ion Ratio Lower Upper

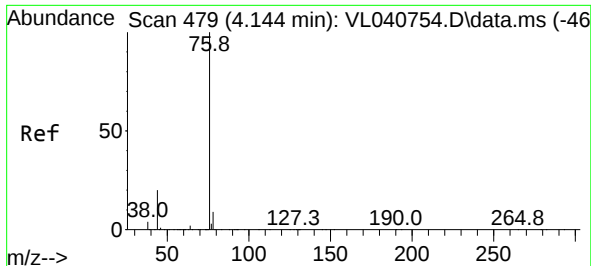
57 100

41 96.1 71.4 107.2

43 186.8 182.3 273.5

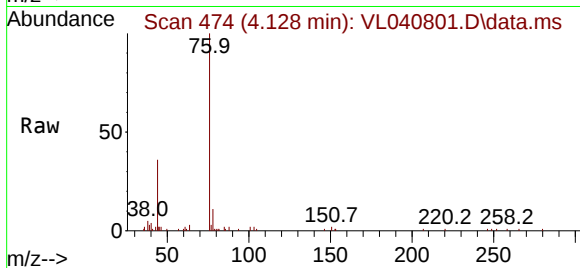
56 54.4 42.0 63.0





#27
Carbon Disulfide
Concen: 0.429 ppbv
RT: 4.128 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

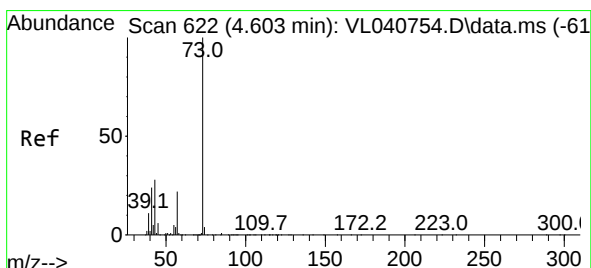
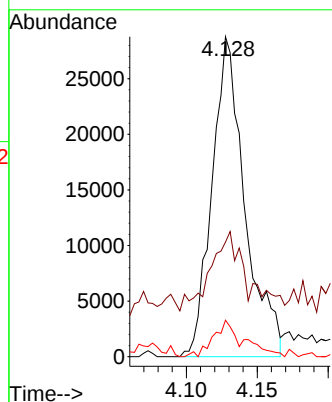
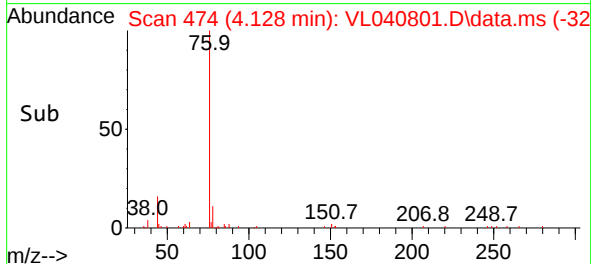
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 46484
Ion Ratio Lower Upper
76 100
44 40.2 16.6 25.0
78 10.8 7.8 11.6

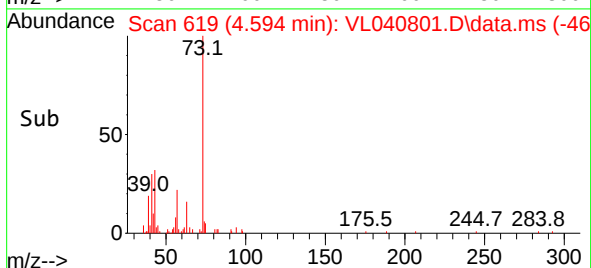
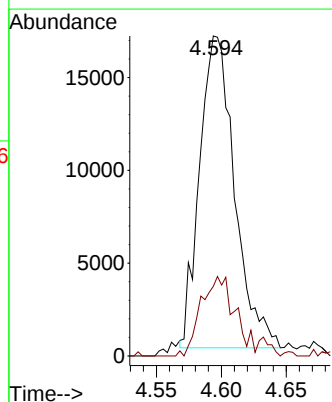
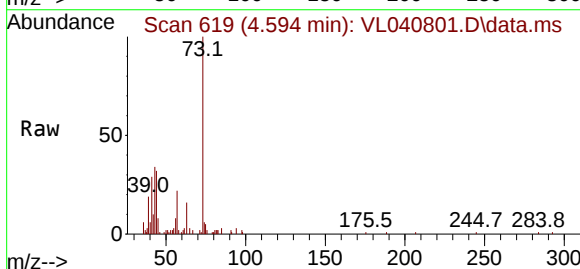
Manual Integrations
APPROVED

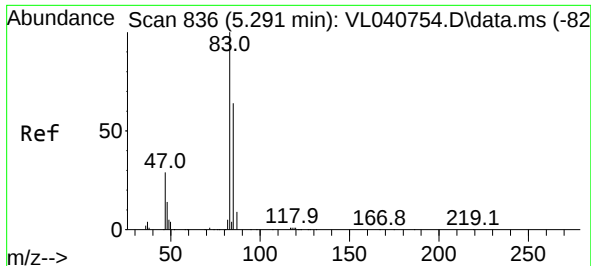
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#28
Methyl tert-Butyl Ether
Concen: 0.412 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.010 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion: 73 Resp: 31488
Ion Ratio Lower Upper
73 100
57 27.0 18.9 28.3





#29

Chloroform

Concen: 0.535 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

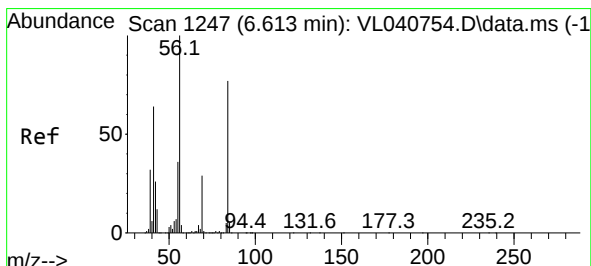
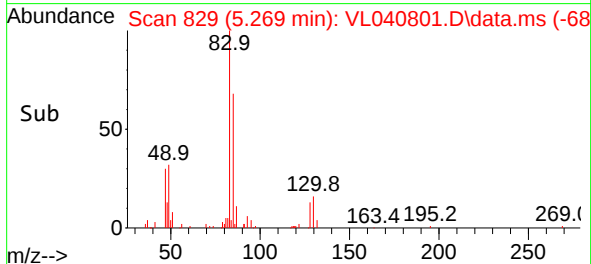
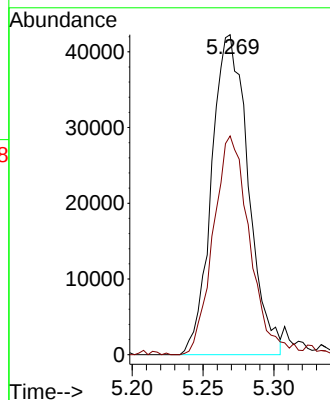
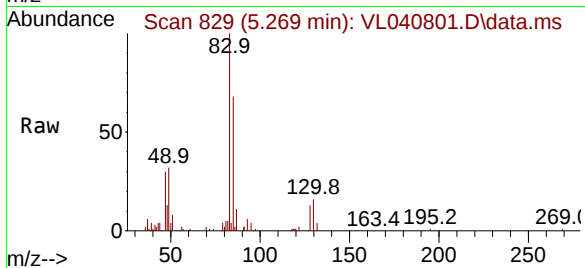
MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 75990
 Ion Ratio Lower Upper
 83 100
 85 68.3 51.3 76.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#30

Cyclohexane

Concen: 0.434 ppbv

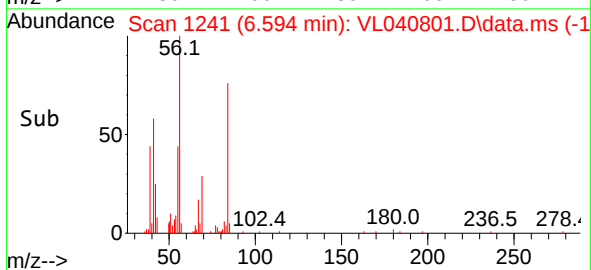
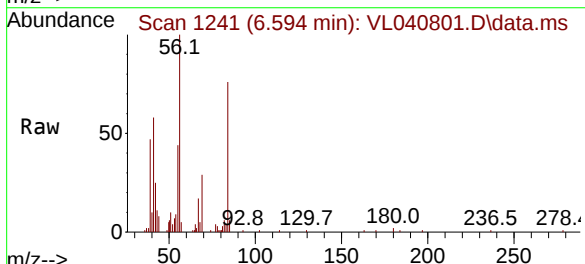
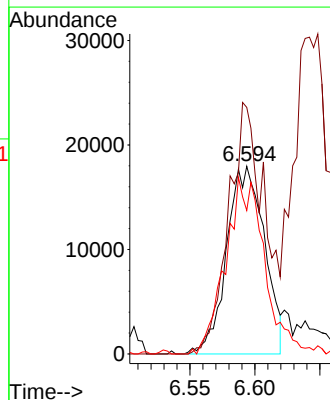
RT: 6.594 min Scan# 1241

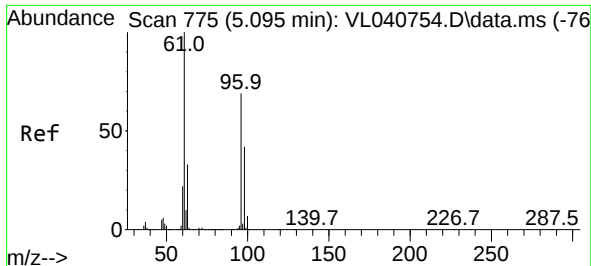
Delta R.T. -0.019 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

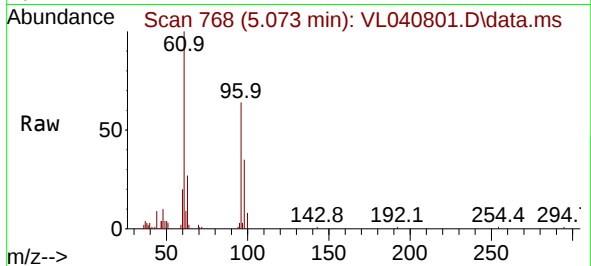
Tgt Ion: 84 Resp: 36311
 Ion Ratio Lower Upper
 84 100
 56 127.2 110.3 165.5
 41 98.3 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.474 ppbv
 RT: 5.073 min Scan# 70
 Delta R.T. -0.022 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

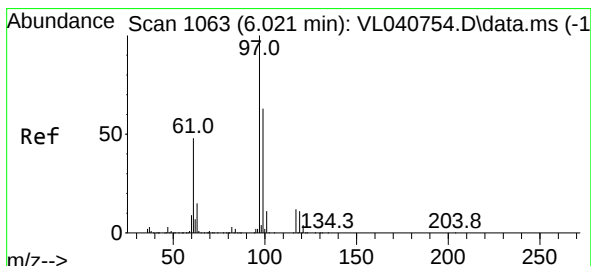
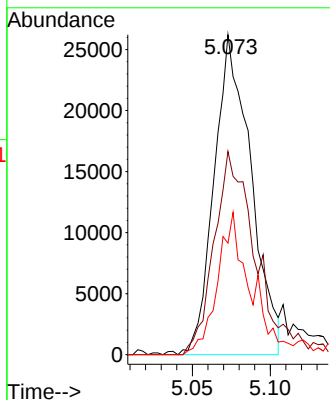
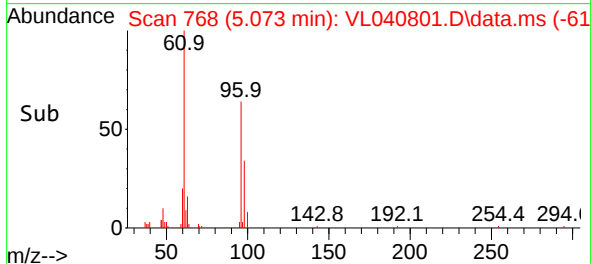
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



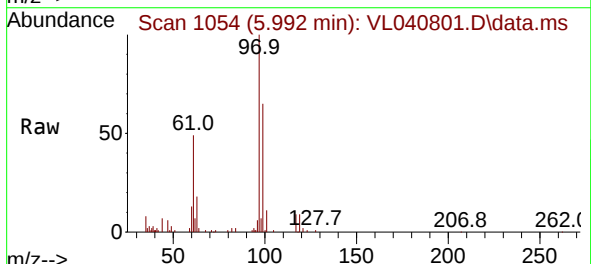
Tgt Ion: 61 Resp: 4295
 Ion Ratio Lower Upper
 61 100
 96 63.5 55.1 82.7
 98 34.8 33.5 50.3

Manual Integrations
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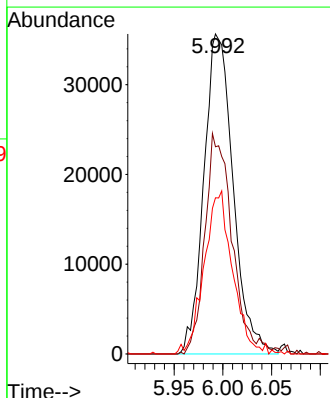
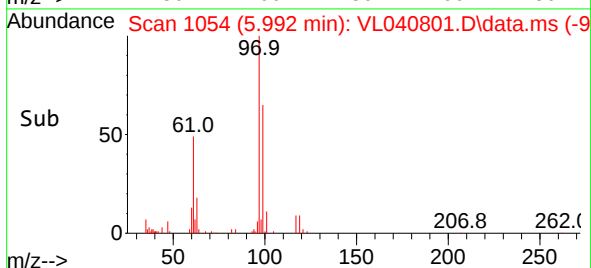
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

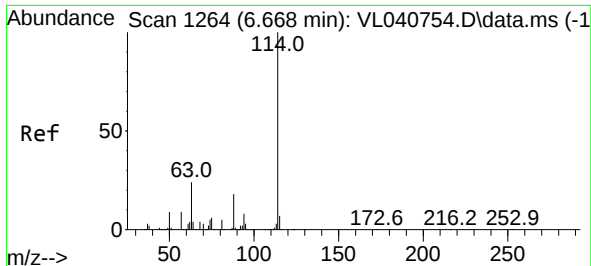


#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.029 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36



Tgt Ion: 97 Resp: 74466
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 49.6 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 251027

Ion Ratio Lower Upper

114 100

63 24.9 19.8 29.6

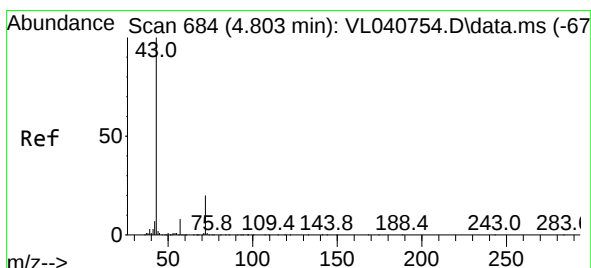
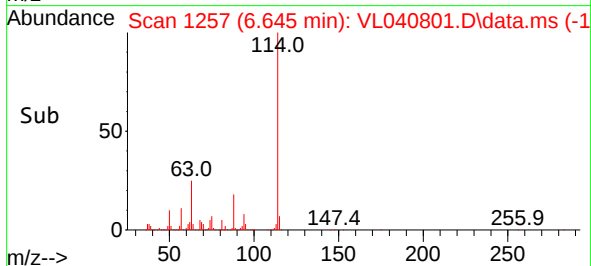
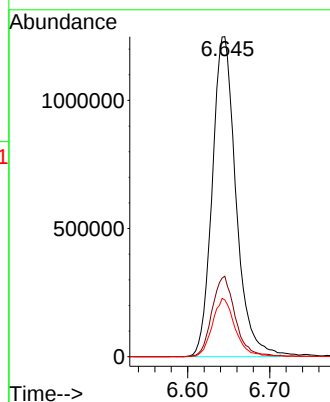
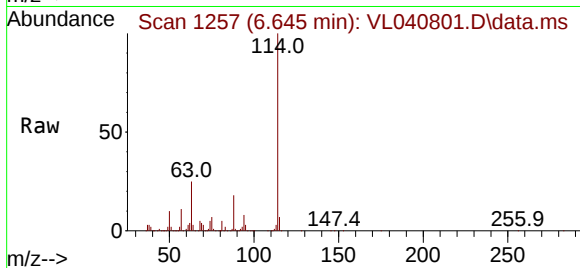
88 17.7 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#34

2-Butanone

Concen: 0.563 ppbv

RT: 4.793 min Scan# 681

Delta R.T. -0.010 min

Lab File: VL040801.D

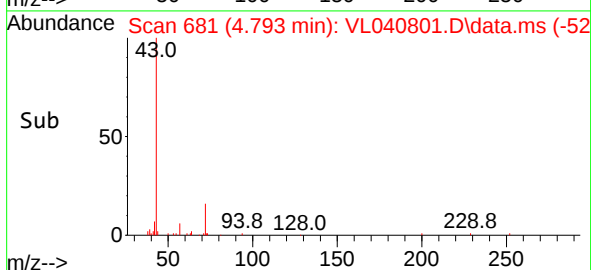
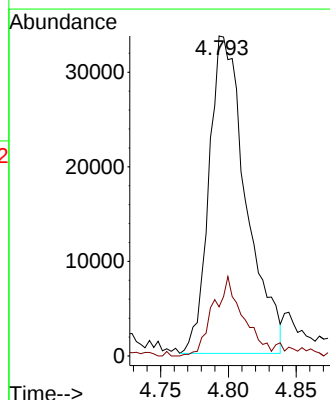
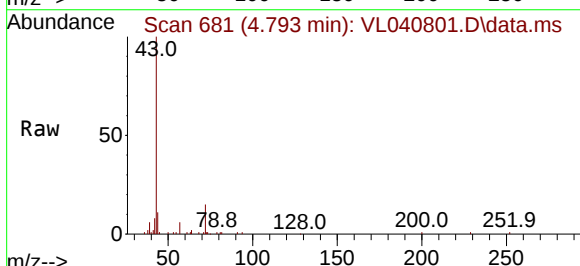
Acq: 25 Oct 2023 15:36

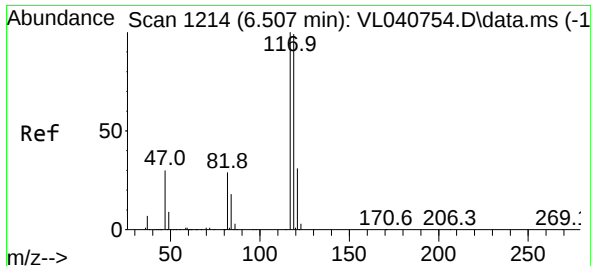
Tgt Ion: 43 Resp: 63983

Ion Ratio Lower Upper

43 100

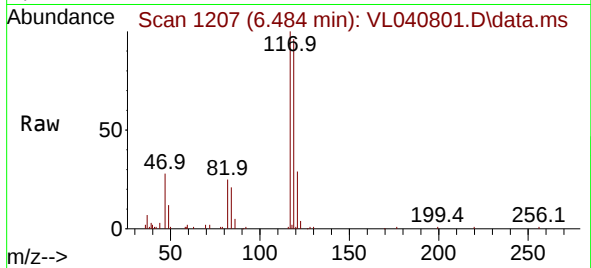
72 23.3 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.502 ppbv
RT: 6.484 min Scan# 1170
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

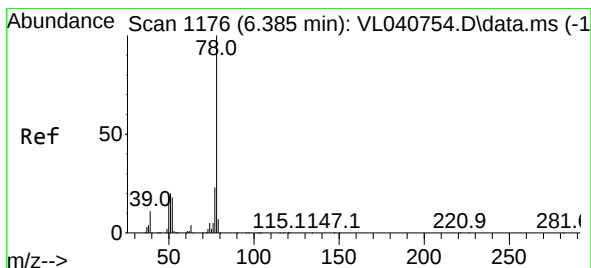
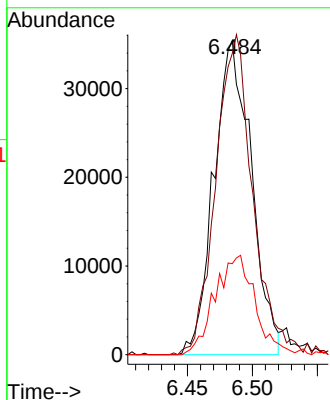
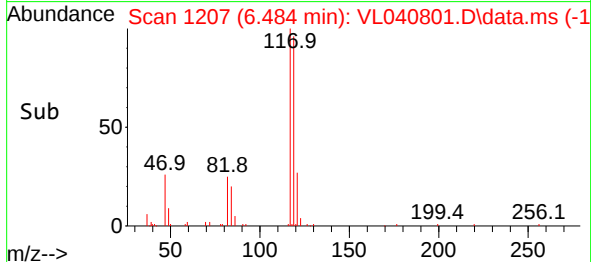
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 117 Resp: 7077
Ion Ratio Lower Upper
117 100
119 95.8 79.4 119.0
121 29.0 25.0 37.4

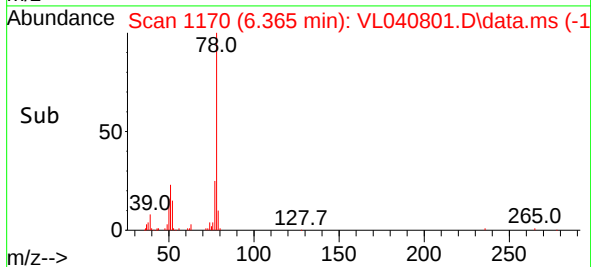
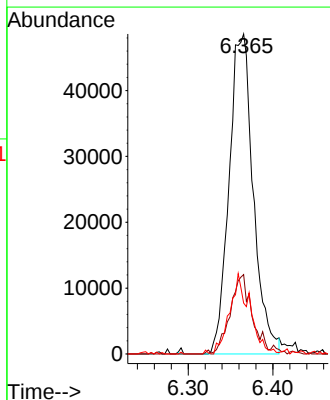
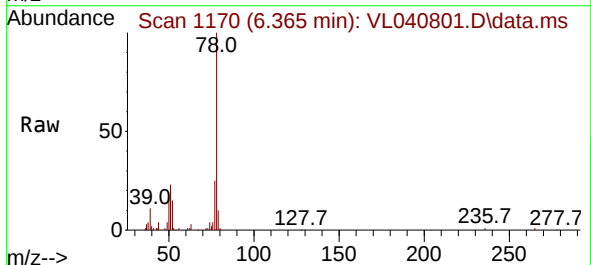
Manual Integrations
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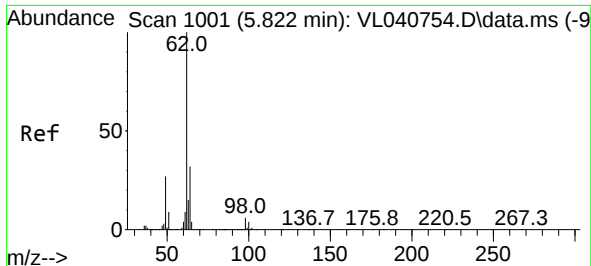
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#36
Benzene
Concen: 0.500 ppbv m
RT: 6.365 min Scan# 1170
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

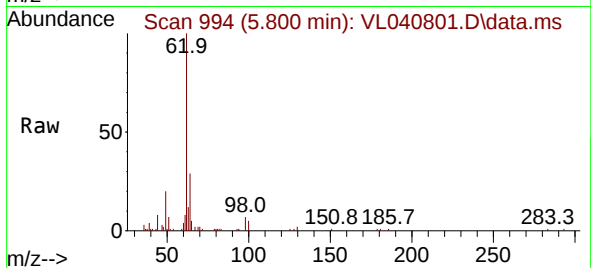
Tgt Ion: 78 Resp: 96487
Ion Ratio Lower Upper
78 100
77 24.8 18.4 27.6
50 15.9 15.0 22.4





#37
1,2-Dichloroethane
Concen: 0.555 ppbv
RT: 5.800 min Scan# 94
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

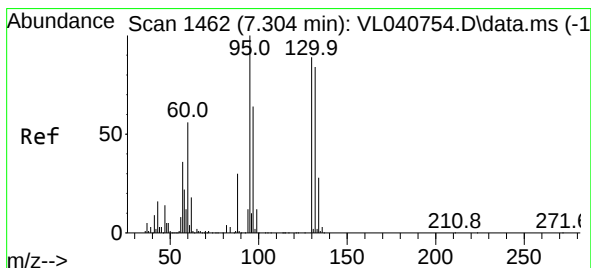
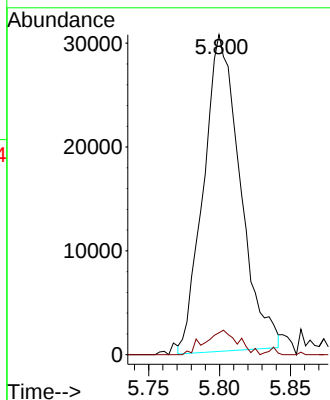
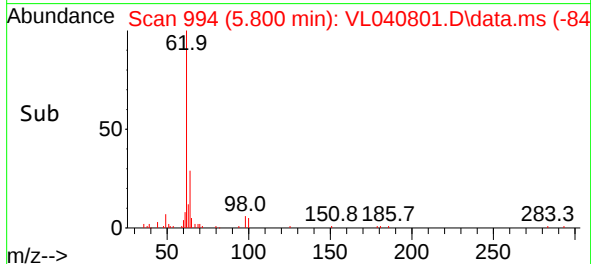
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



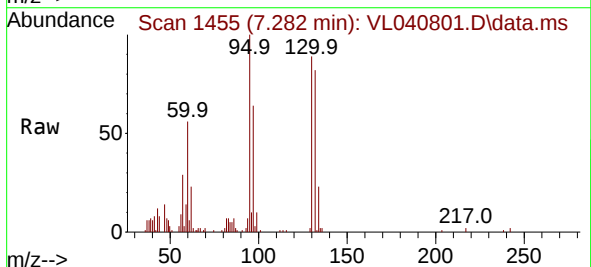
Tgt Ion: 62 Resp: 54860
Ion Ratio Lower Upper
62 100
98 7.4 5.4 8.0

Manual Integrations
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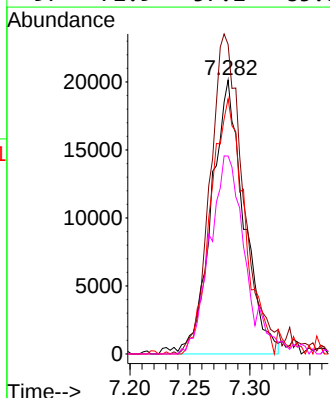
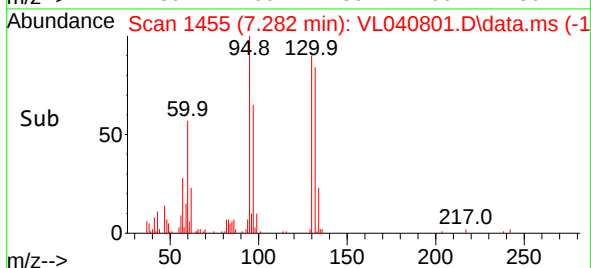
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

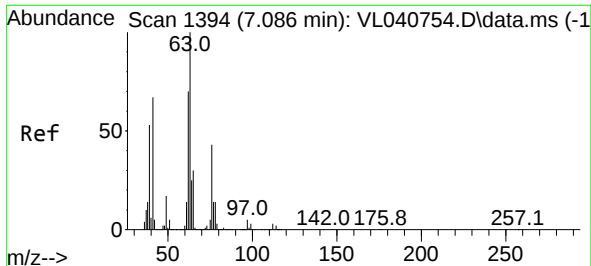


#38
Trichloroethene
Concen: 0.441 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion:130 Resp: 37698
Ion Ratio Lower Upper
130 100
95 114.1 89.4 134.2
132 94.1 74.8 112.2
97 72.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.546 ppbv m

RT: 7.060 min Scan# 1465

Delta R.T. -0.026 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

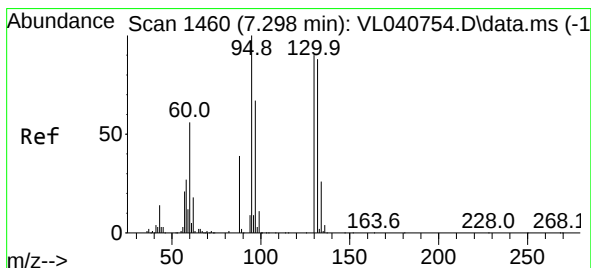
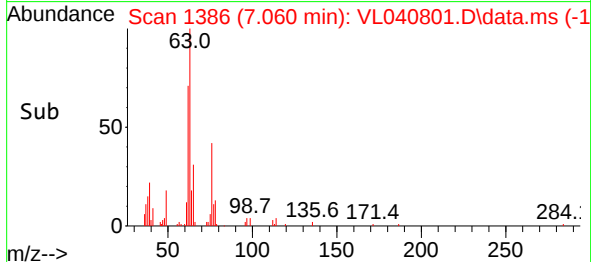
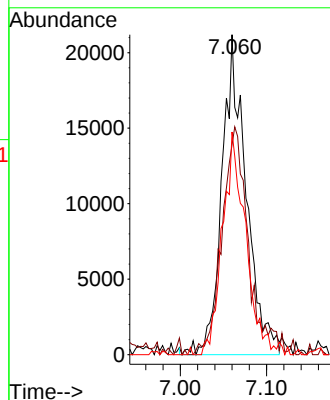
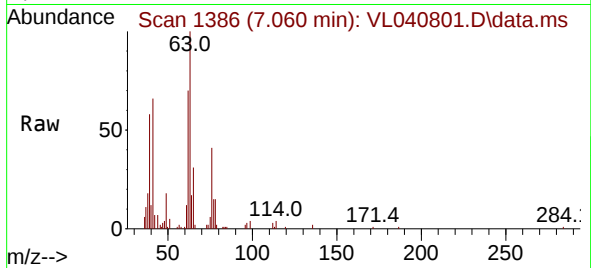
Tgt Ion:	63	Resp:	4120
Ion	Ratio	Lower	Upper
63	100		
41	65.6	53.7	80.5
62	69.6	55.7	83.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#40

1,4-Dioxane

Concen: 0.595 ppbv m

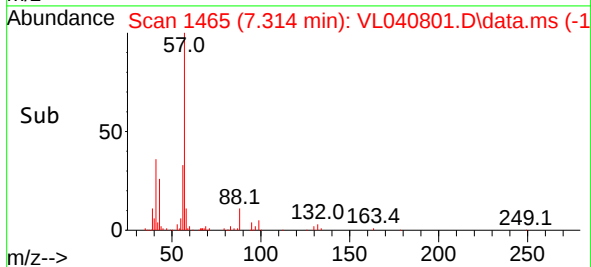
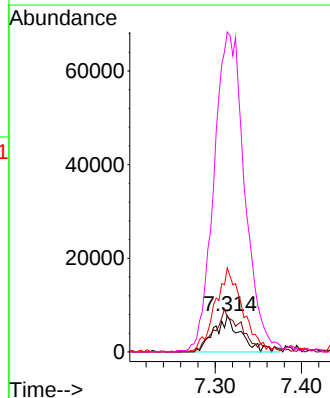
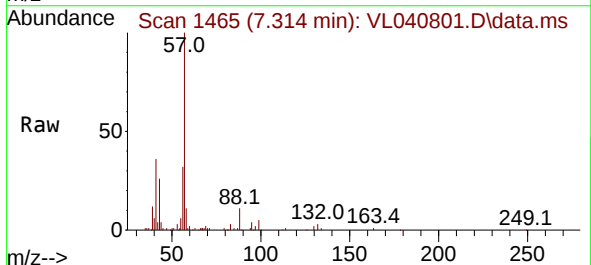
RT: 7.314 min Scan# 1465

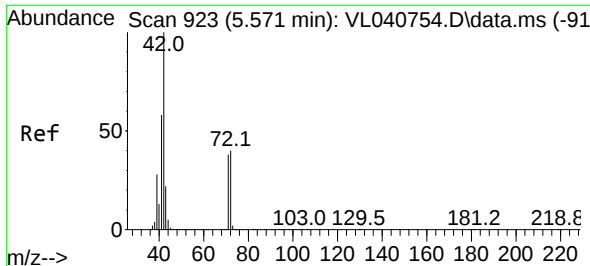
Delta R.T. 0.016 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

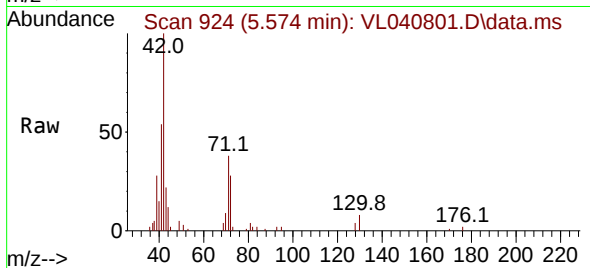
Tgt Ion:	88	Resp:	16989
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.0	150.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.412 ppbv
RT: 5.574 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

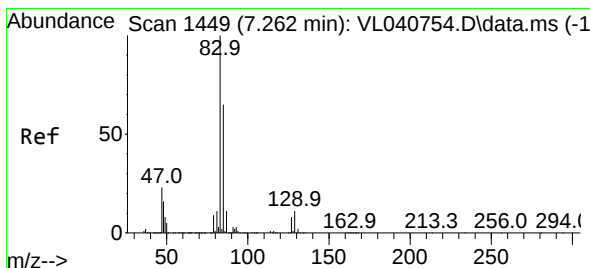
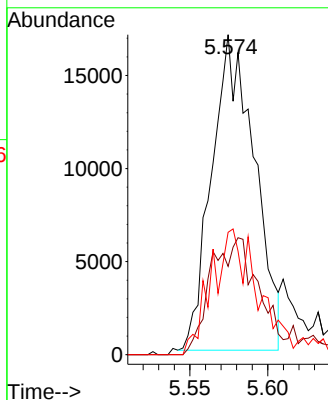
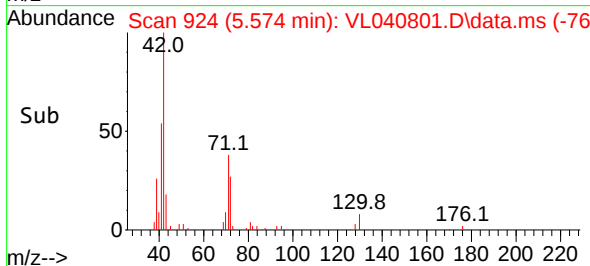
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



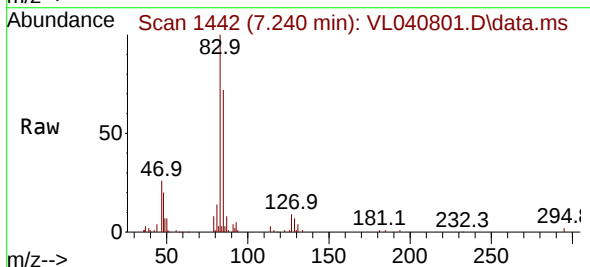
Tgt Ion: 42 Resp: 32410
Ion Ratio Lower Upper
42 100
72 46.0 31.1 46.7
71 46.4 29.7 44.5

Manual Integrations
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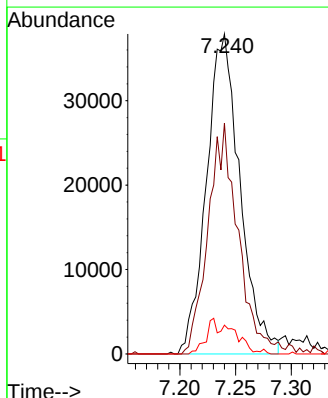
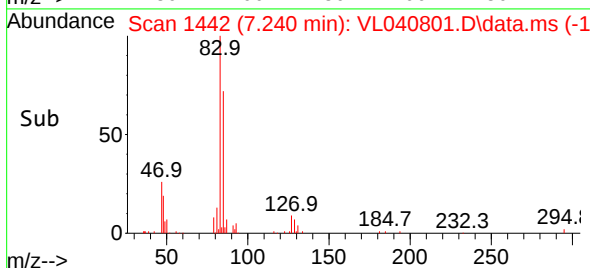
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

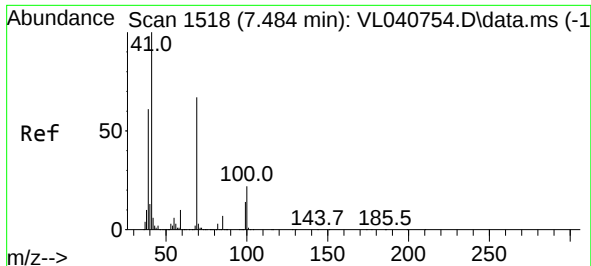


#42
Bromodichloromethane
Concen: 0.535 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion: 83 Resp: 79304
Ion Ratio Lower Upper
83 100
85 72.1 52.1 78.1
127 9.0 6.7 10.1





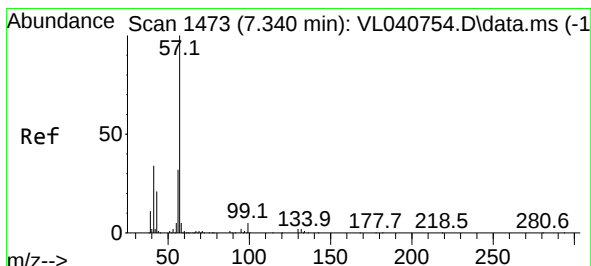
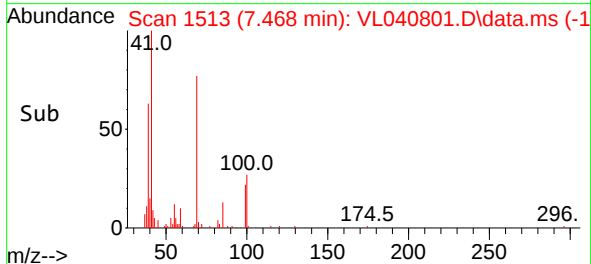
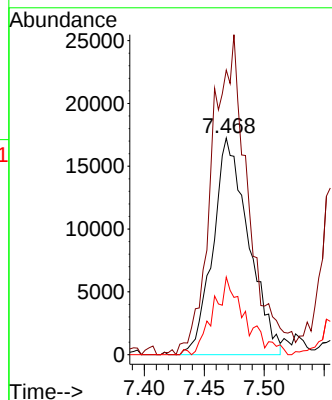
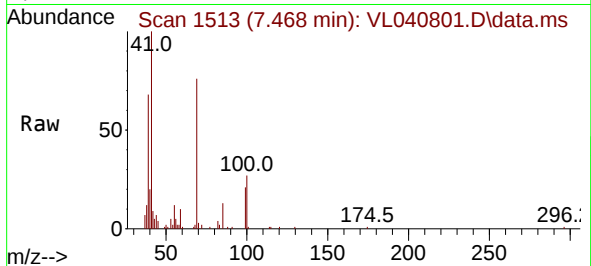
#43
Methyl Methacrylate
Concen: 0.460 ppbv
RT: 7.468 min Scan# 1465
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL

Tgt Ion: 69 Resp: 3553
Ion Ratio Lower Upper
69 100
41 152.2 120.6 181.0
100 32.8 27.1 40.7

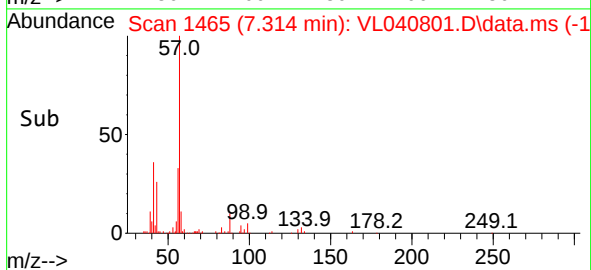
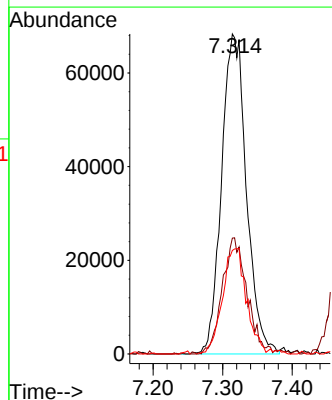
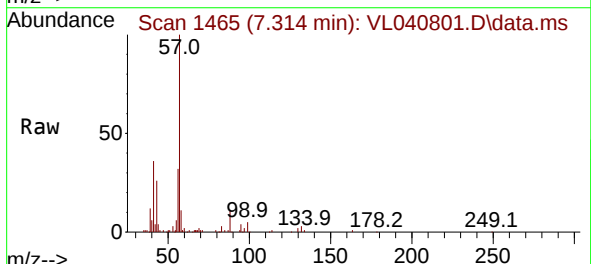
Manual Integrations
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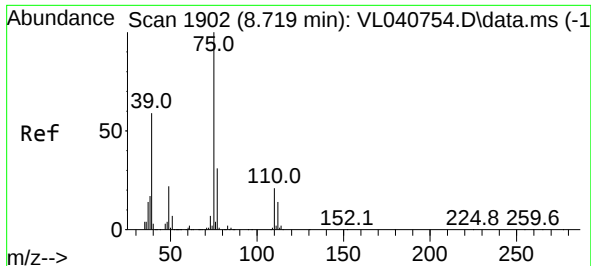
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#44
2,2,4-Trimethylpentane
Concen: 0.519 ppbv m
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion: 57 Resp: 169498
Ion Ratio Lower Upper
57 100
41 0.0 27.4 41.0#
56 0.0 25.0 37.6#





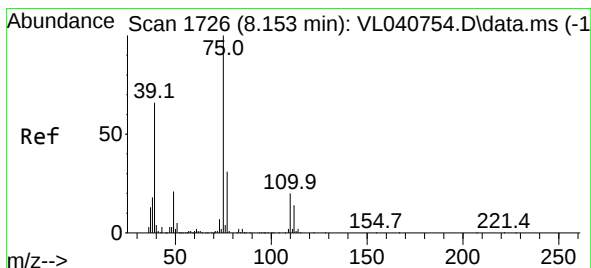
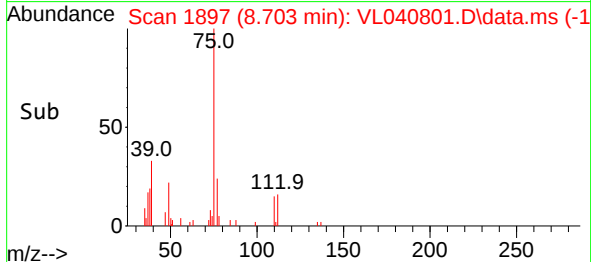
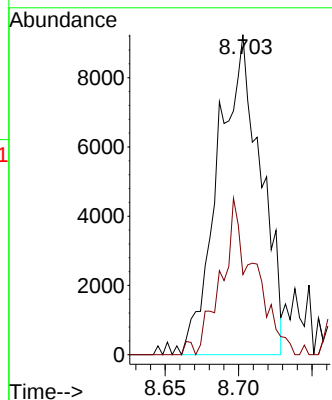
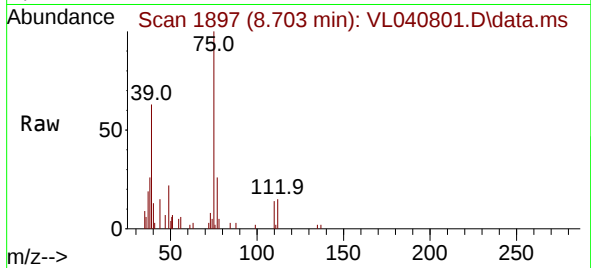
#45
 t-1,3-Dichloropropene
 Concen: 0.303 ppbv m
 RT: 8.703 min Scan# 1719
 Delta R.T. -0.016 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Tgt Ion: 75 Resp: 1866
 Ion Ratio Lower Upper
 75 100
 77 25.6 24.9 37.3

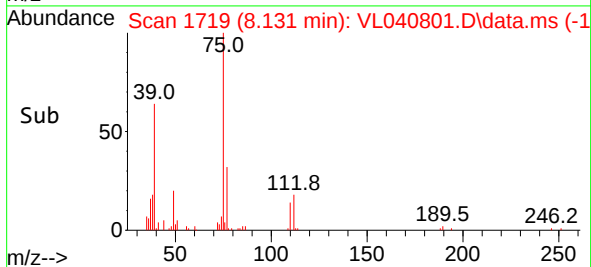
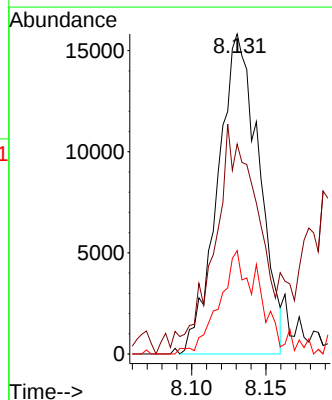
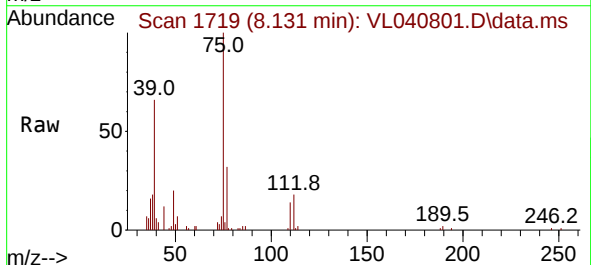
Manual Integrations
 APPROVED

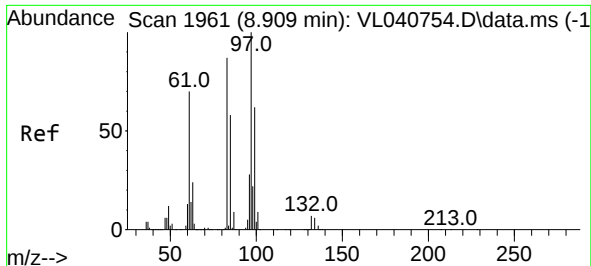
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.405 ppbv
 RT: 8.131 min Scan# 1719
 Delta R.T. -0.022 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

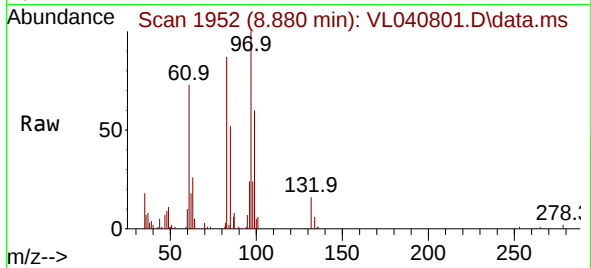
Tgt Ion: 75 Resp: 30530
 Ion Ratio Lower Upper
 75 100
 39 60.2 52.4 78.6
 77 31.6 25.1 37.7





#47
1,1,2-Trichloroethane
Concen: 0.552 ppbv
RT: 8.880 min Scan# 1961
Delta R.T. -0.029 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

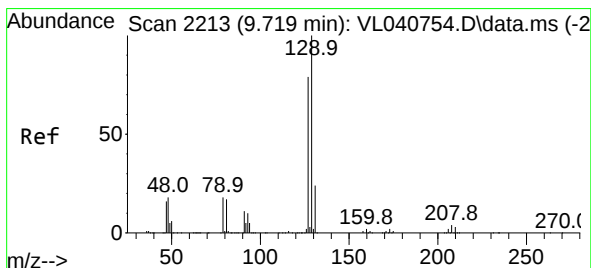
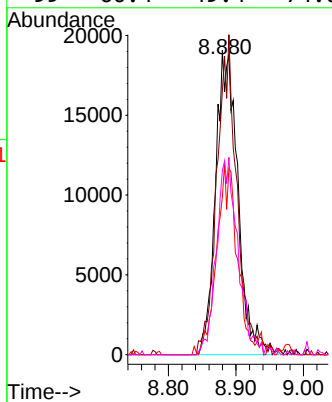
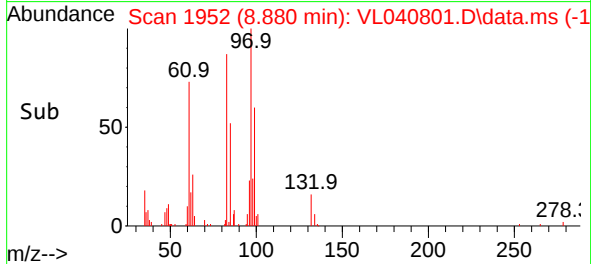
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



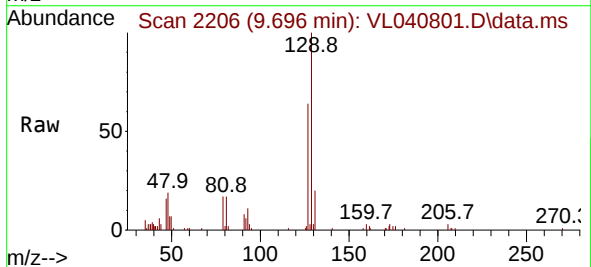
Tgt Ion: 97 Resp: 43738
Ion Ratio Lower Upper
97 100
83 86.5 69.5 104.3
85 51.7 46.6 69.8
99 60.4 49.4 74.0

Manual Integrations
APPROVED

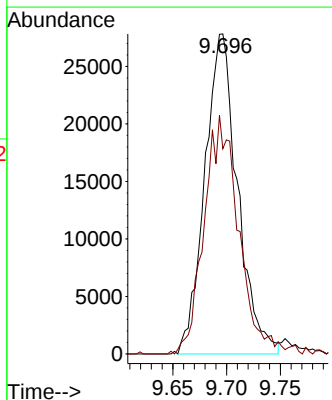
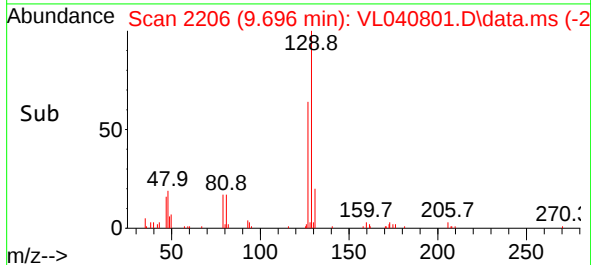
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

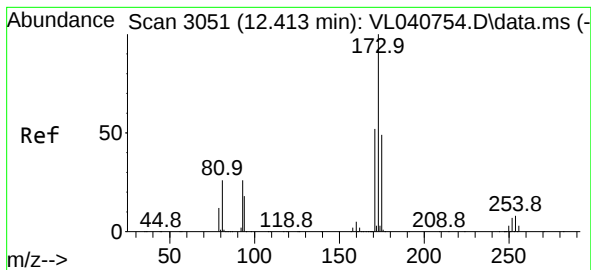


#48
Dibromochloromethane
Concen: 0.445 ppbv
RT: 9.696 min Scan# 2206
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion:129 Resp: 59108
Ion Ratio Lower Upper
129 100
127 78.8 39.1 117.3





#49

Bromoform

Concen: 0.406 ppbv

RT: 12.391 min Scan# 3051

Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

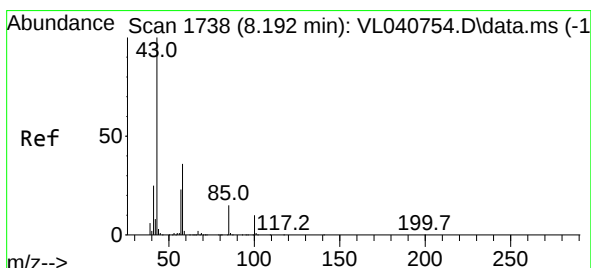
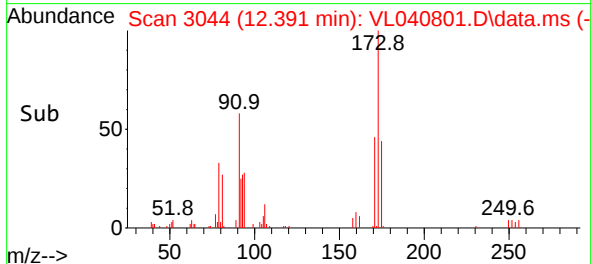
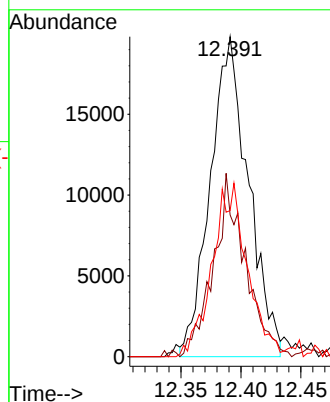
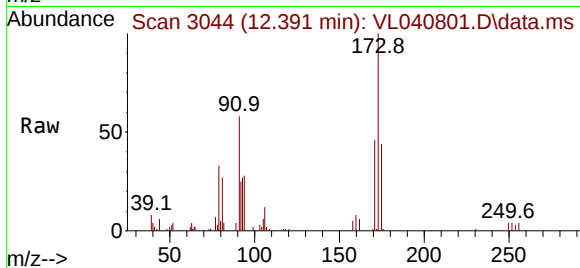
Tgt Ion: 173 Resp: 4385

Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.2	58.8
171	50.9	42.0	63.0

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2023
Supervised By : Mahesh Dadoda 10/26/2023



#50

4-Methyl-2-Pentanone

Concen: 0.460 ppbv

RT: 8.192 min Scan# 1738

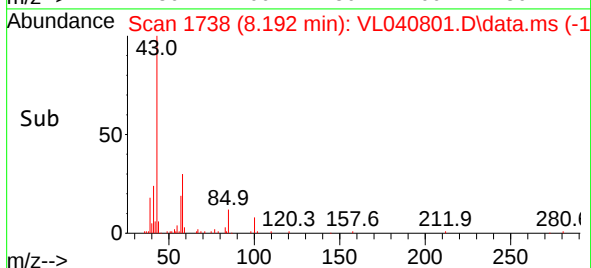
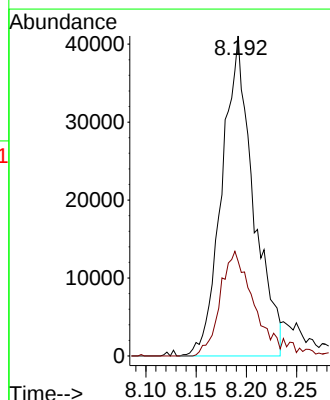
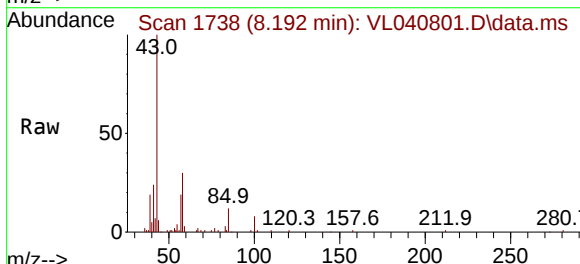
Delta R.T. 0.000 min

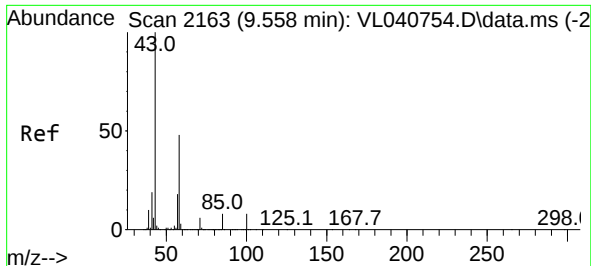
Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Tgt Ion: 43 Resp: 89505

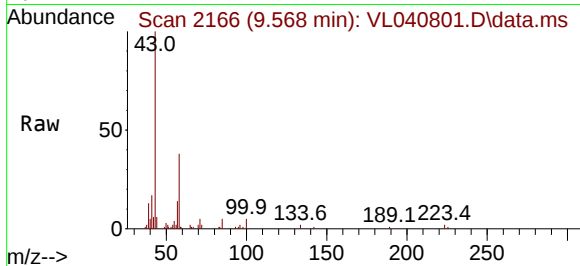
Ion	Ratio	Lower	Upper
43	100		
58	37.5	28.8	43.2





#51
2-Hexanone
Concen: 0.426 ppbv m
RT: 9.568 min Scan# 2163
Delta R.T. 0.010 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

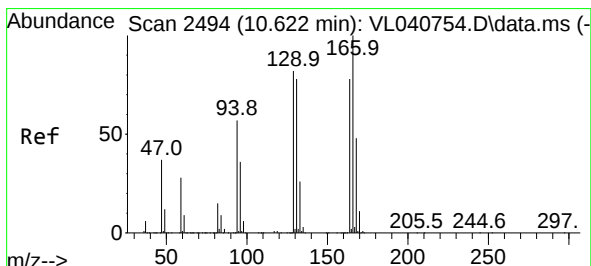
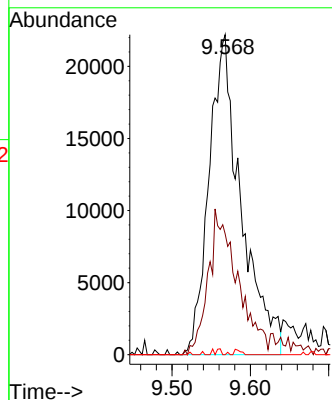
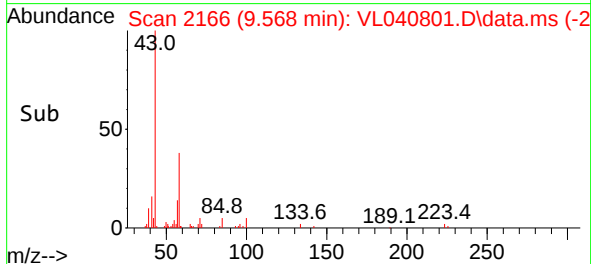
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 63020
Ion Ratio Lower Upper
43 100
58 43.6 38.6 58.0
98 0.0 0.0 0.0

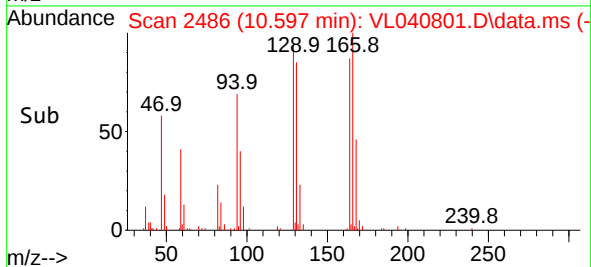
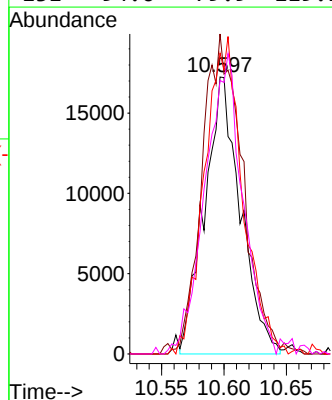
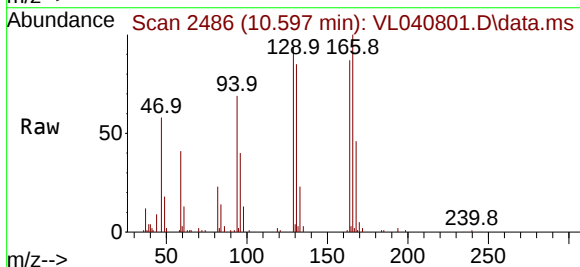
Manual Integrations
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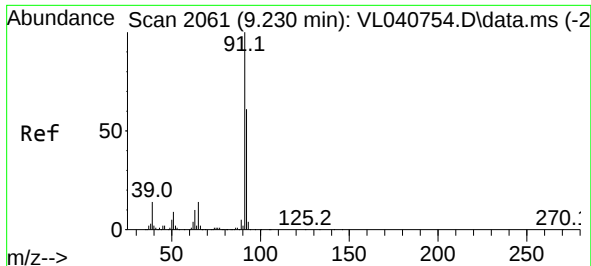
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.442 ppbv
RT: 10.597 min Scan# 2486
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

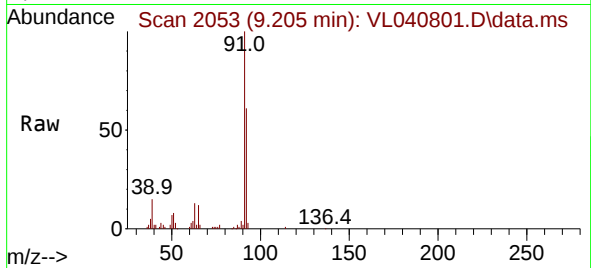
Tgt Ion:164 Resp: 34675
Ion Ratio Lower Upper
164 100
166 115.1 102.4 153.6
129 107.8 84.2 126.4
131 94.6 79.9 119.9





#53
Toluene
Concen: 0.454 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

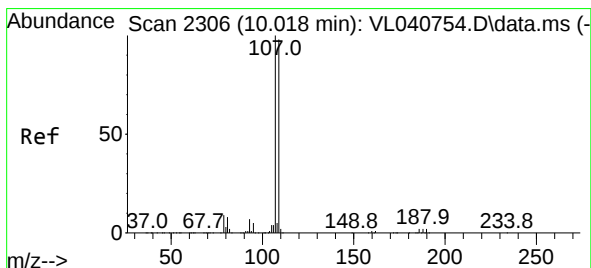
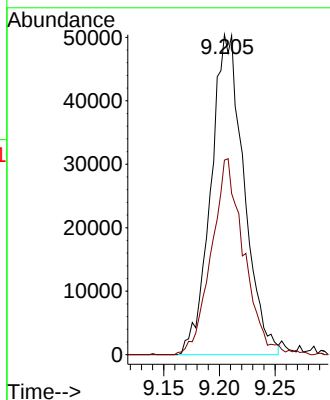
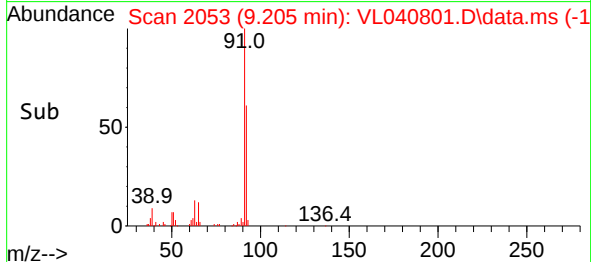
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



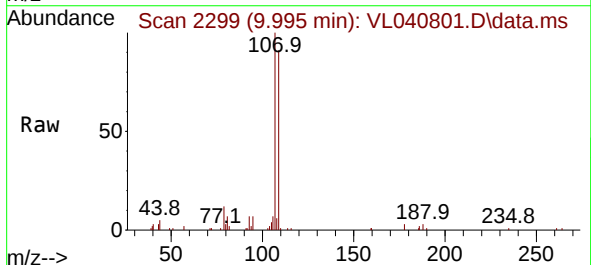
Tgt Ion: 91 Resp: 10427
Ion Ratio Lower Upper
91 100
92 60.5 50.2 75.2

Manual Integrations
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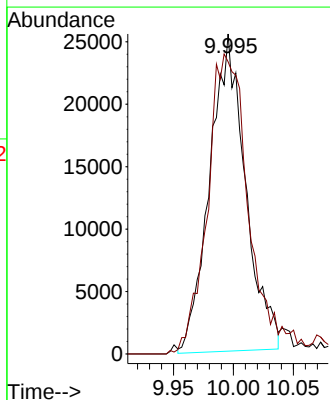
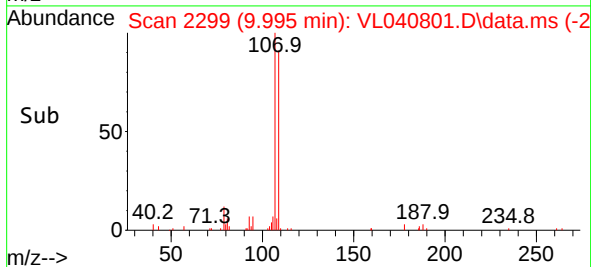
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

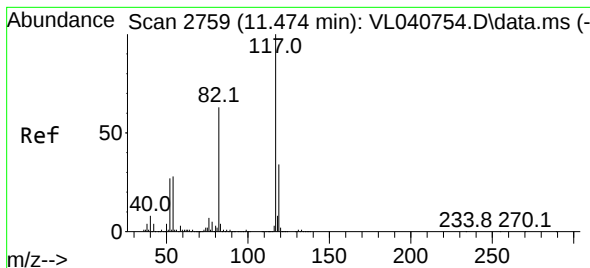


#54
1,2-Dibromoethane
Concen: 0.474 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



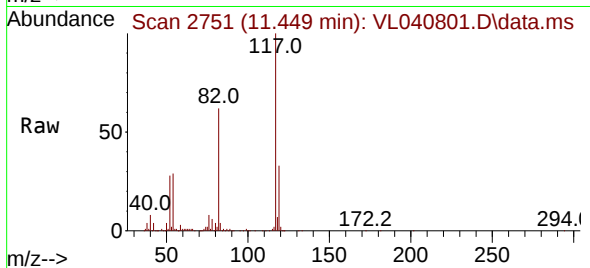
Tgt Ion:107 Resp: 52668
Ion Ratio Lower Upper
107 100
109 91.4 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

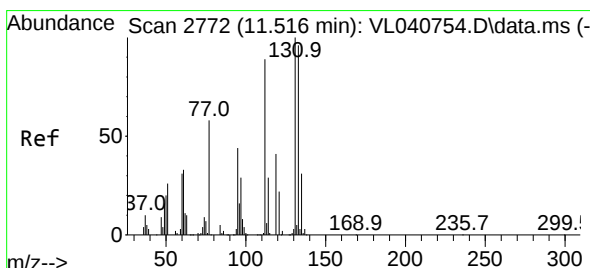
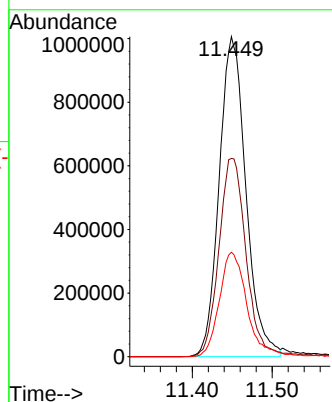
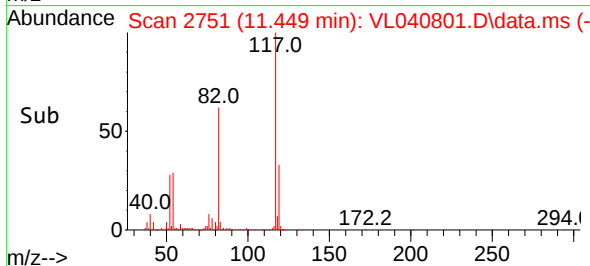
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



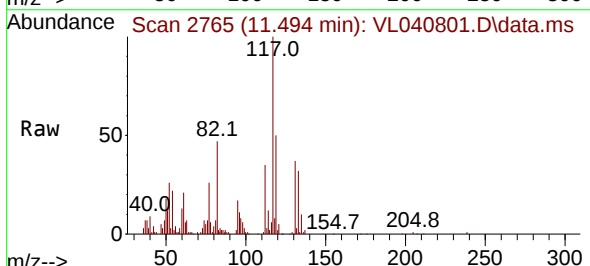
Tgt Ion:117 Resp: 233178
Ion Ratio Lower Upper
117 100
82 64.0 46.6 70.0
119 34.0 26.0 39.0

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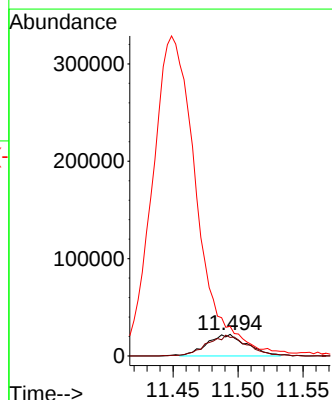
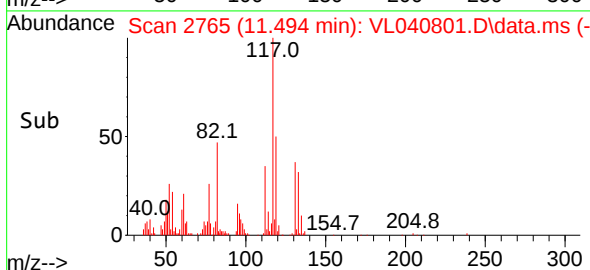
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

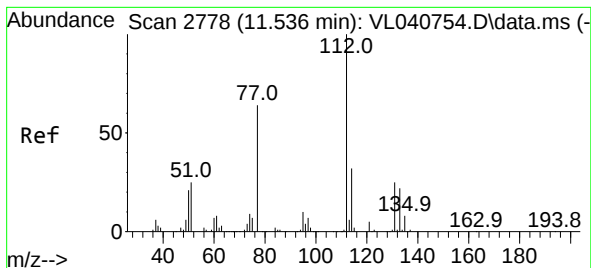


#56
1,1,1,2-Tetrachloroethane
Concen: 0.494 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion:131 Resp: 47012
Ion Ratio Lower Upper
131 100
133 97.6 75.0 112.6
119 0.0 45.4 68.0#





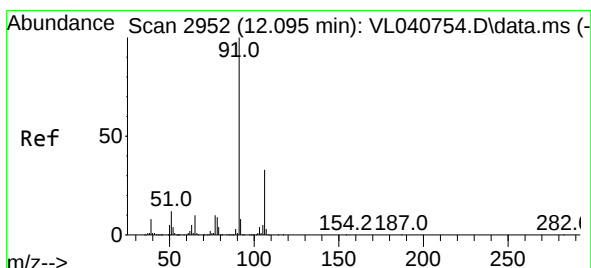
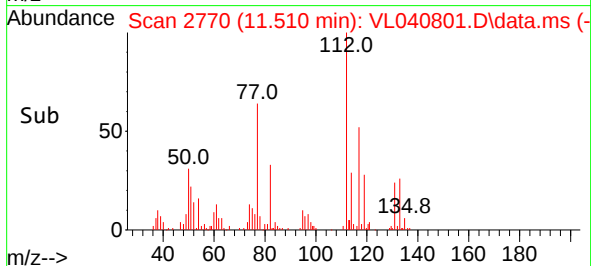
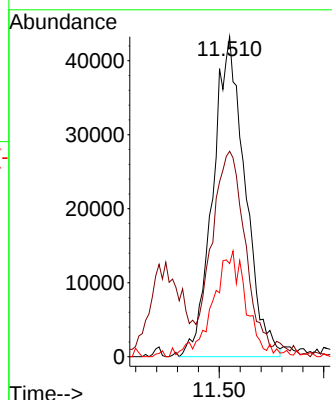
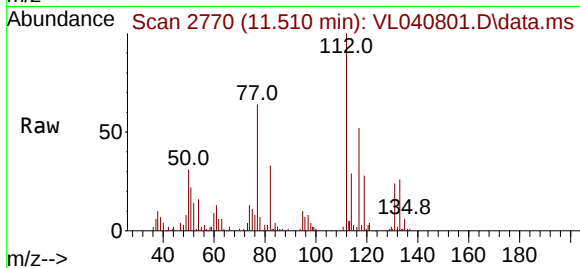
#57
Chlorobenzene
Concen: 0.553 ppbv m
RT: 11.510 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 112 Resp: 92470
Ion Ratio Lower Upper
112 100
77 64.2 51.9 77.9
114 29.1 28.6 35.0

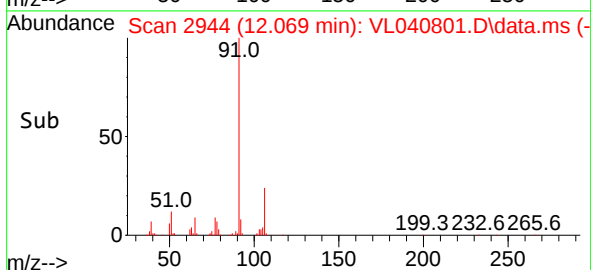
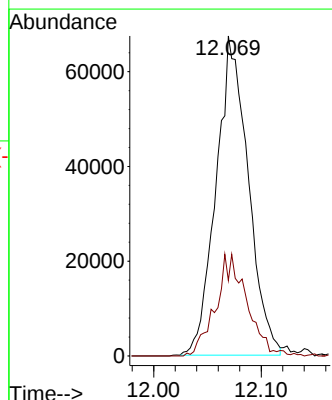
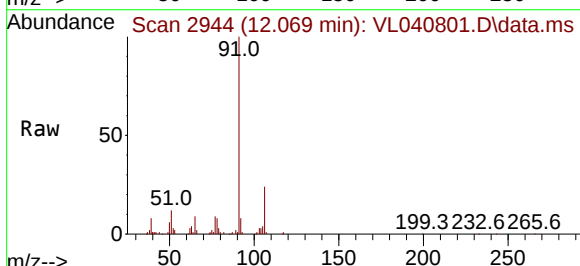
Manual Integrations
APPROVED

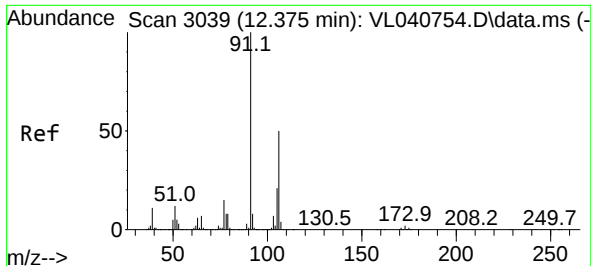
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#58
Ethyl Benzene
Concen: 0.475 ppbv
RT: 12.069 min Scan# 2944
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion: 91 Resp: 139596
Ion Ratio Lower Upper
91 100
106 23.6 26.7 40.1#





#59

m/p-Xylene

Concen: 1.047 ppbv m

RT: 12.352 min Scan# 3032

Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 25295

Ion Ratio Lower Upper

91 100

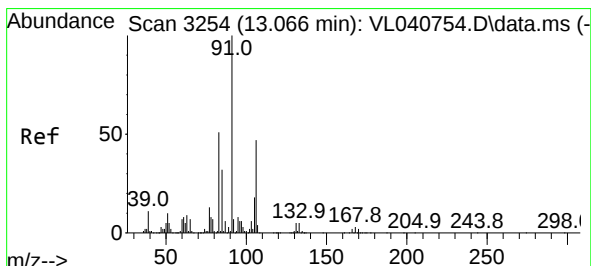
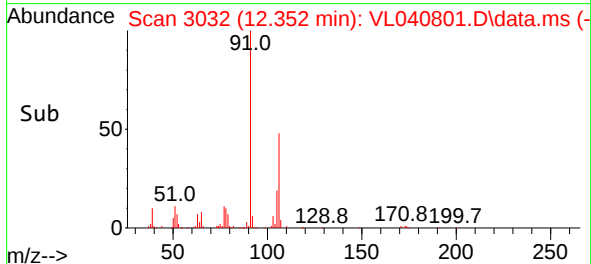
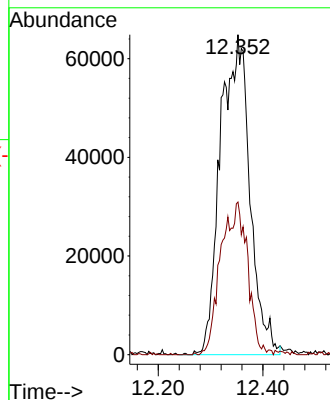
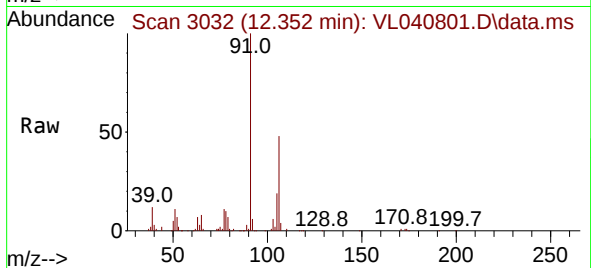
106 0.0 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#60

o-Xylene

Concen: 0.510 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. -0.022 min

Lab File: VL040801.D

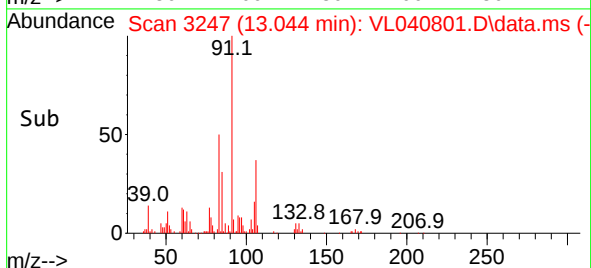
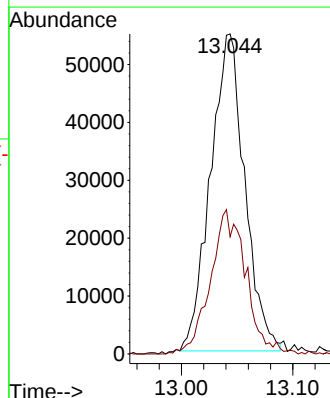
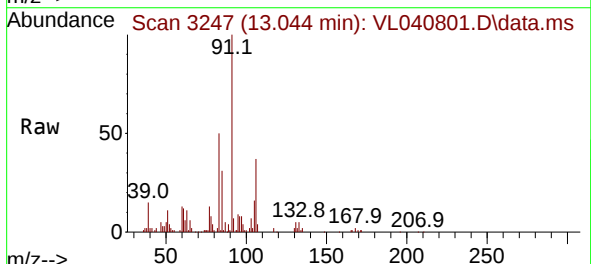
Acq: 25 Oct 2023 15:36

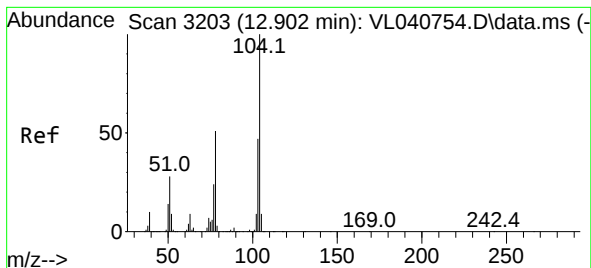
Tgt Ion: 91 Resp: 117451

Ion Ratio Lower Upper

91 100

106 47.0 23.5 70.5





#61

Styrene

Concen: 0.429 ppbv

RT: 12.880 min Scan# 3196

Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

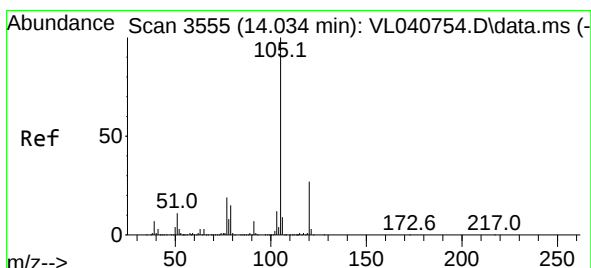
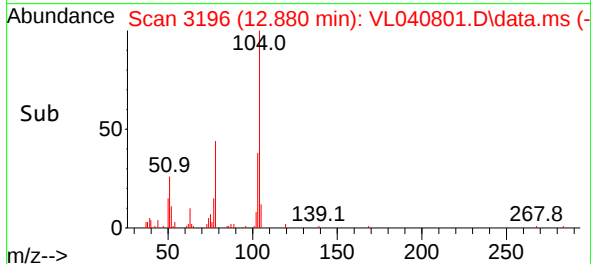
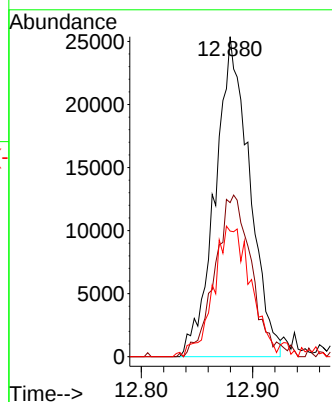
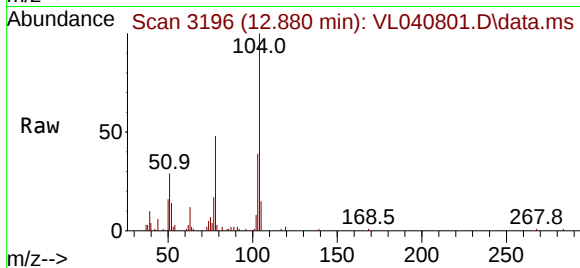
MDL-AIR-03-QT4-2023DL

Tgt Ion:104	Resp:	54730
Ion Ratio	Lower	Upper
104	100	
78	54.2	39.8 59.6
103	47.1	37.5 56.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#62

Isopropylbenzene

Concen: 0.532 ppbv

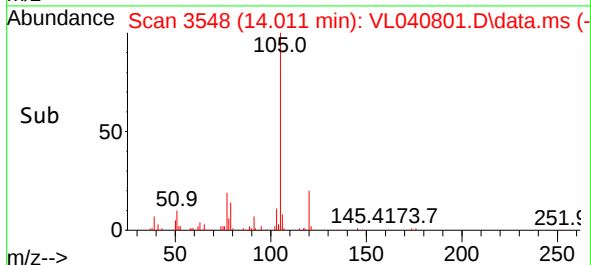
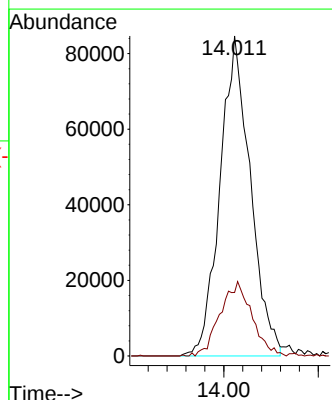
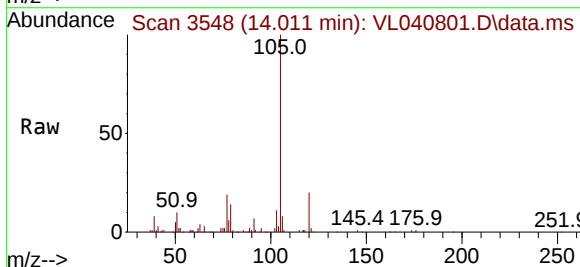
RT: 14.011 min Scan# 3548

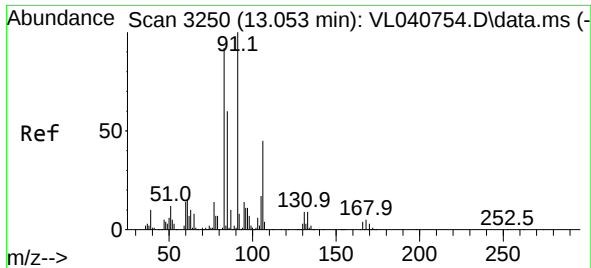
Delta R.T. -0.022 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Tgt Ion:105	Resp:	188338
Ion Ratio	Lower	Upper
105	100	
120	24.7	21.5 32.3





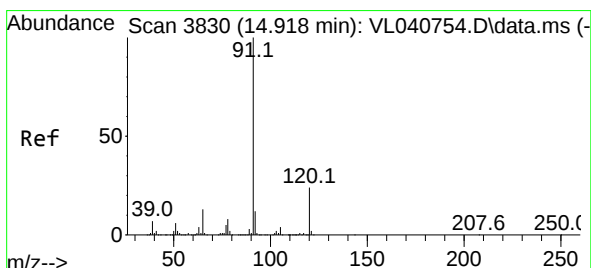
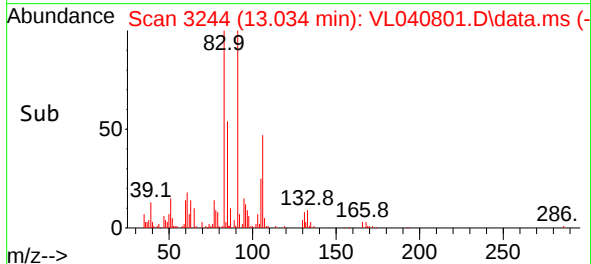
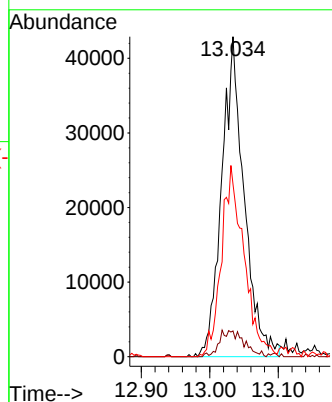
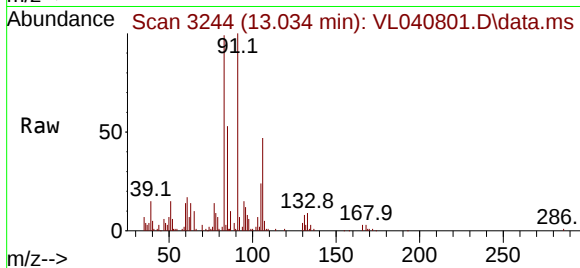
#63
1,1,2,2-Tetrachloroethane
Concen: 0.565 ppbv m
RT: 13.034 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 97570
Ion Ratio Lower Upper
83 100
131 9.4 4.9 14.6
85 0.0 32.9 98.7

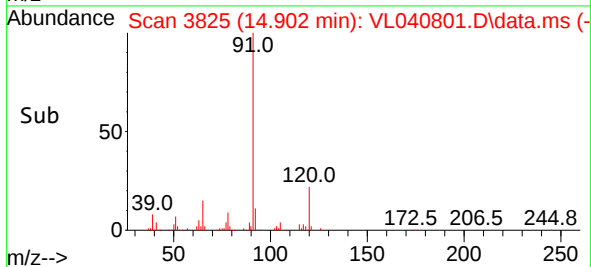
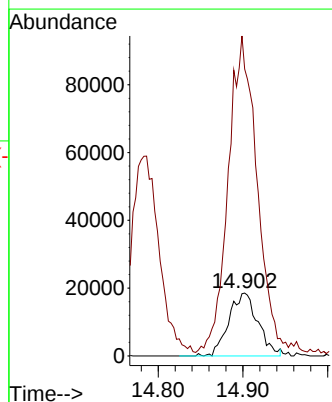
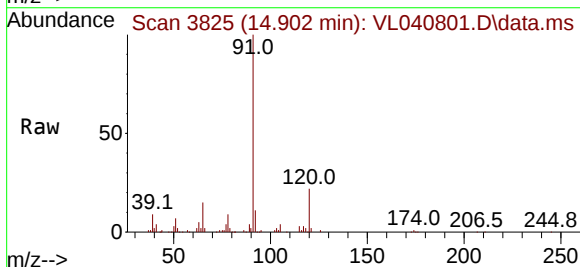
Manual Integrations
APPROVED

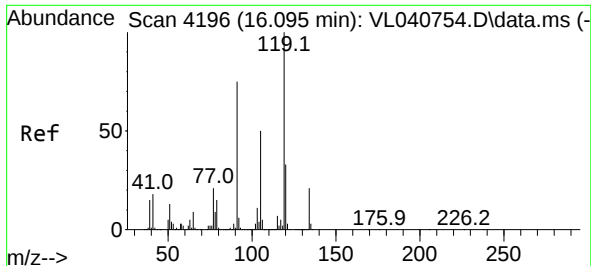
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#64
n-propylbenzene
Concen: 0.466 ppbv m
RT: 14.902 min Scan# 3825
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion:120 Resp: 44348
Ion Ratio Lower Upper
120 100
91 527.5 345.9 518.9#





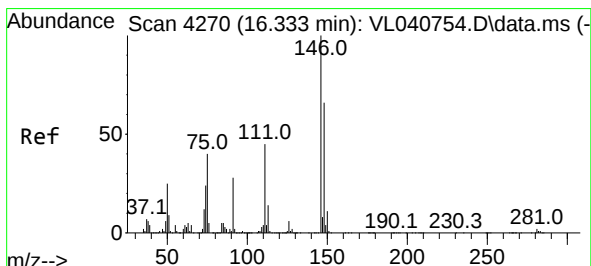
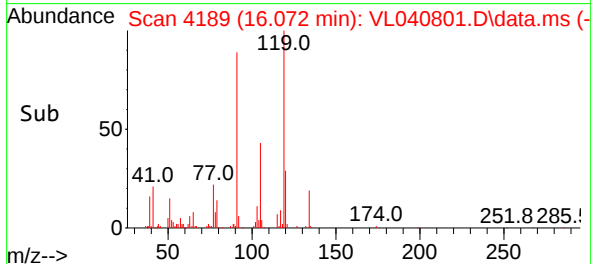
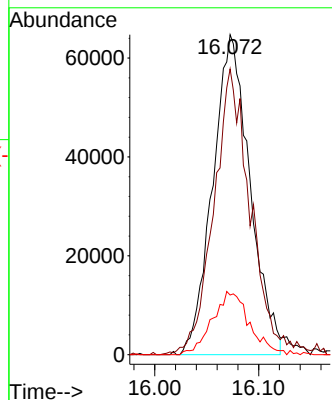
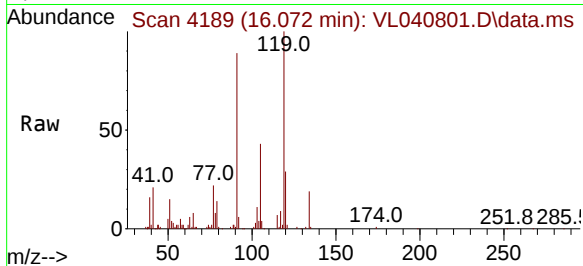
#65
tert-Butylbenzene
Concen: 0.504 ppbv
RT: 16.072 min Scan# 4196
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 119 Resp: 160860
Ion Ratio Lower Upper
119 100
91 88.9 62.2 93.2
134 19.8 16.1 24.1

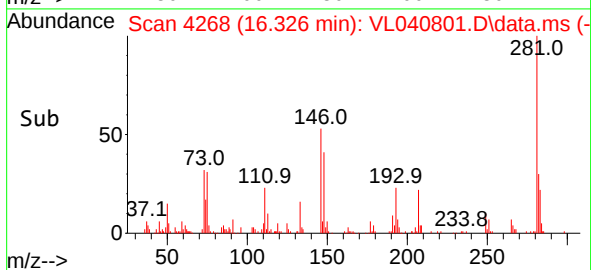
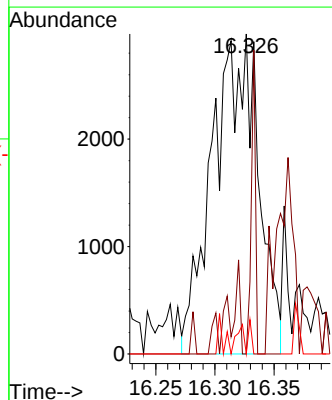
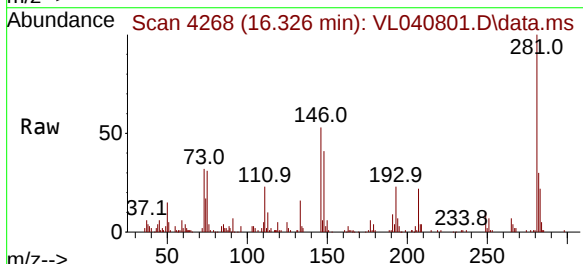
Manual Integrations
APPROVED

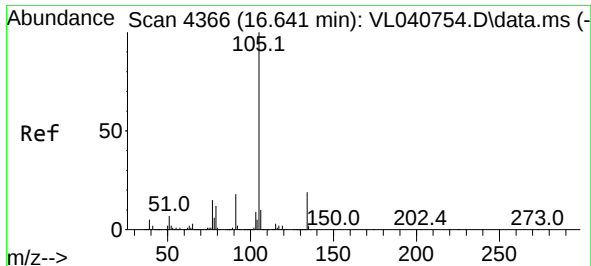
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#66
Benzyl Chloride
Concen: 0.249 ppbv m
RT: 16.326 min Scan# 4268
Delta R.T. -0.006 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

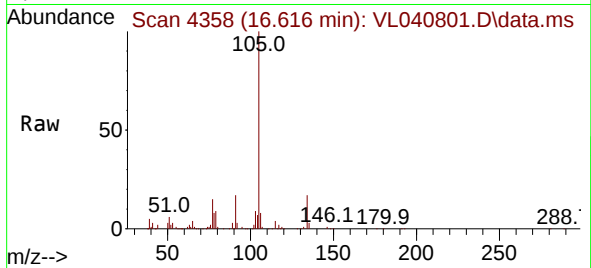
Tgt Ion: 91 Resp: 8019
Ion Ratio Lower Upper
91 100
126 0.0 16.1 24.1#
128 3.7 5.2 7.8#





#67
 sec-Butylbenzene
 Concen: 0.511 ppbv
 RT: 16.616 min Scan# 41
 Delta R.T. -0.026 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

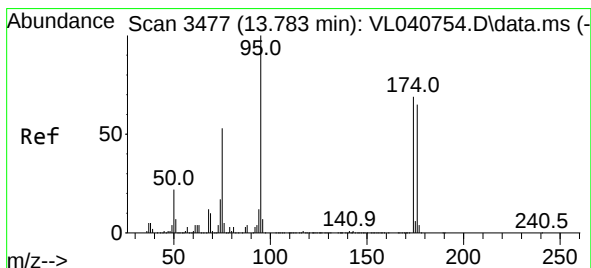
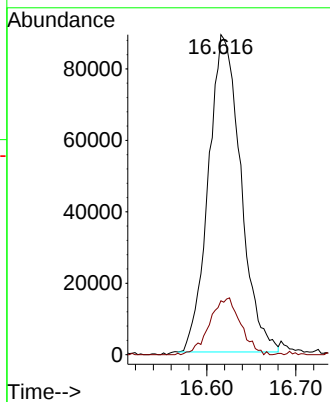
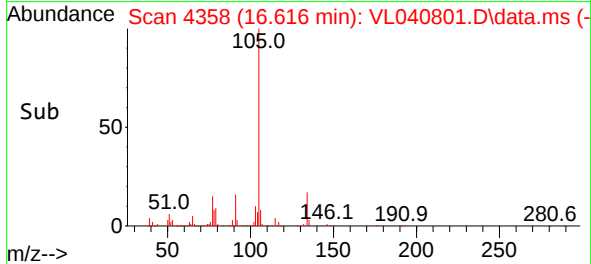
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 22335
 Ion Ratio Lower Upper
 105 100
 134 17.2 15.4 23.2

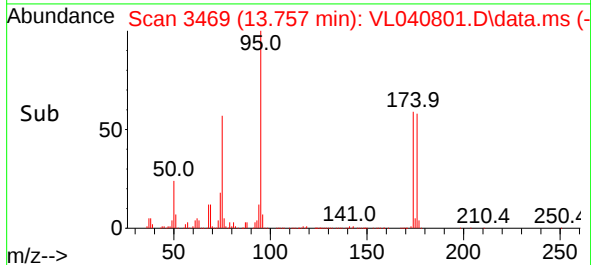
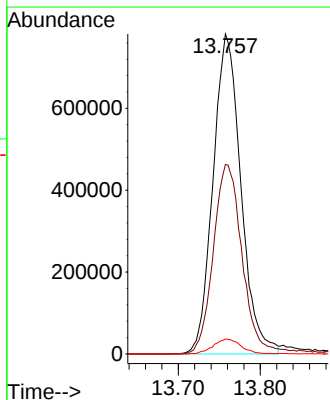
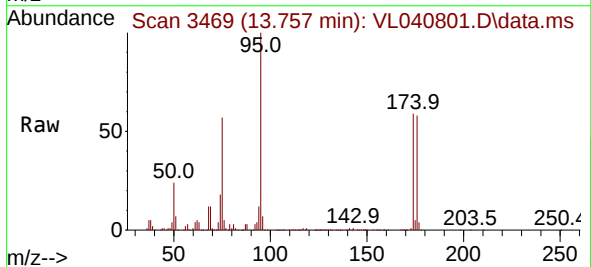
Manual Integrations
 APPROVED

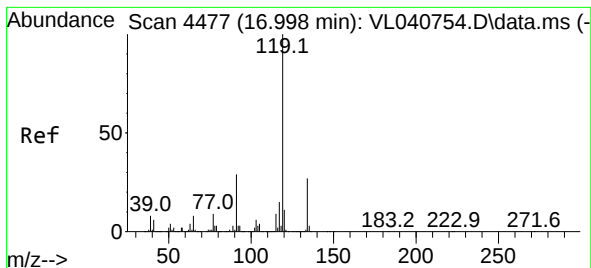
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.760 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. -0.026 min
 Lab File: VL040801.D
 Acq: 25 Oct 2023 15:36

Tgt Ion: 95 Resp: 1846100
 Ion Ratio Lower Upper
 95 100
 174 62.0 54.7 82.1
 175 4.8 4.2 6.4





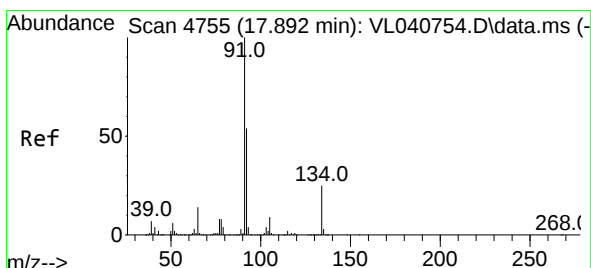
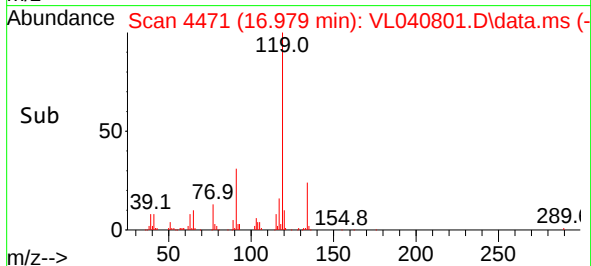
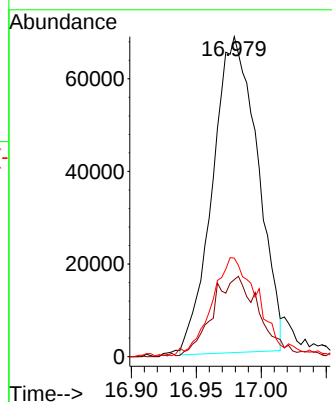
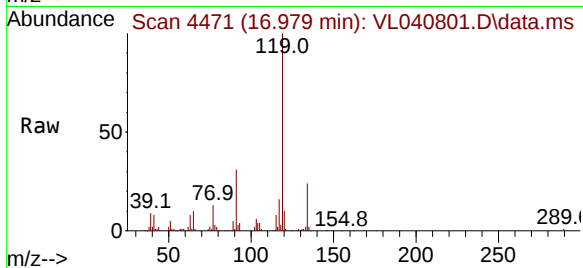
#69
p-Isopropyltoluene
Concen: 0.449 ppbv
RT: 16.979 min Scan# 4477
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion:119 Resp: 16466
Ion Ratio Lower Upper
119 100
134 27.8 21.0 31.4
91 34.2 22.8 34.2

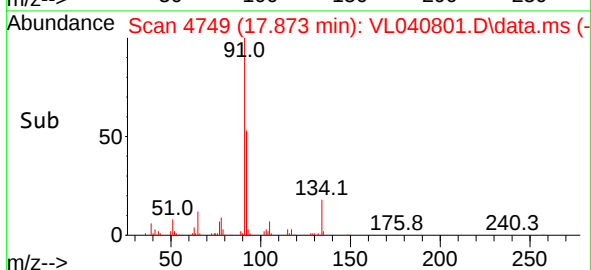
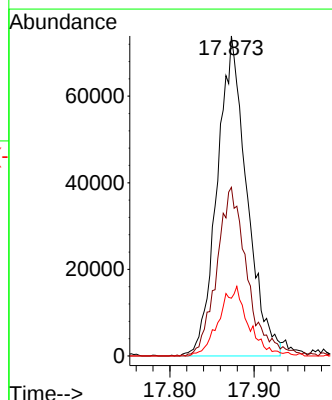
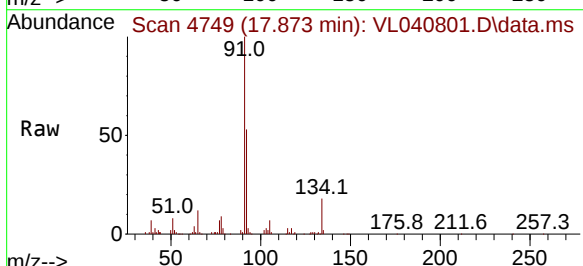
Manual Integrations
APPROVED

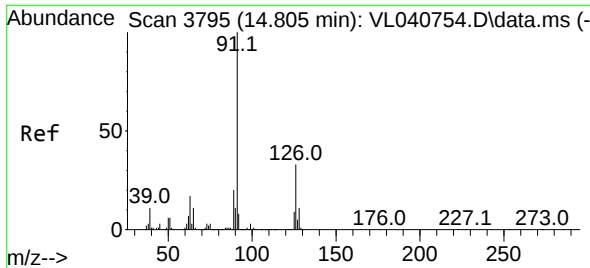
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#70
n-Butylbenzene
Concen: 0.502 ppbv
RT: 17.873 min Scan# 4749
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion: 91 Resp: 180844
Ion Ratio Lower Upper
91 100
92 54.6 44.1 66.1
134 21.6 19.5 29.3





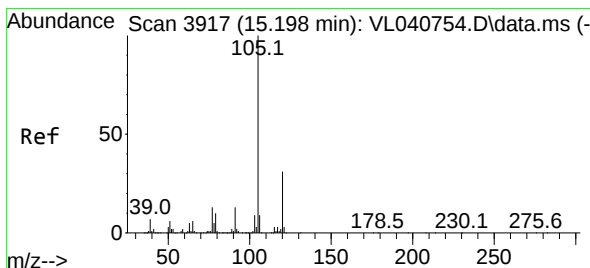
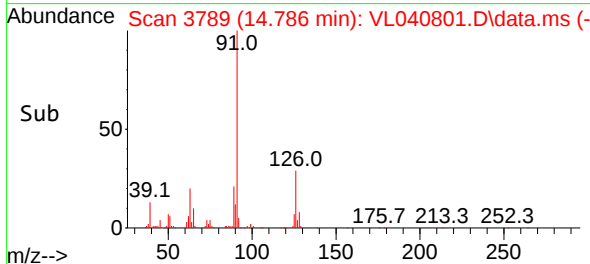
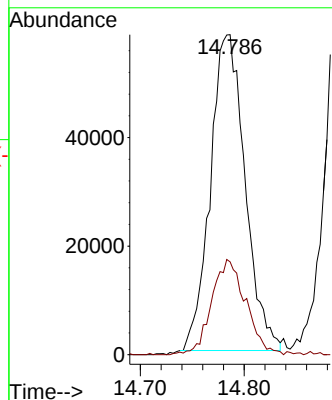
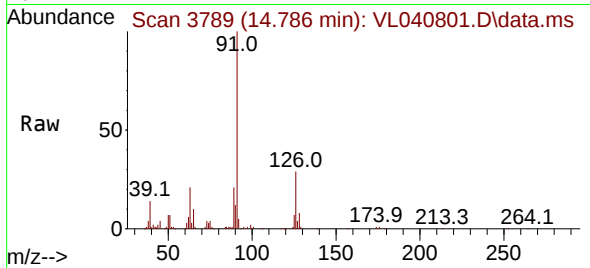
#71
2-Chlorotoluene
Concen: 0.508 ppbv
RT: 14.786 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 135110
Ion Ratio Lower Upper
91 100
126 29.8 13.3 53.1

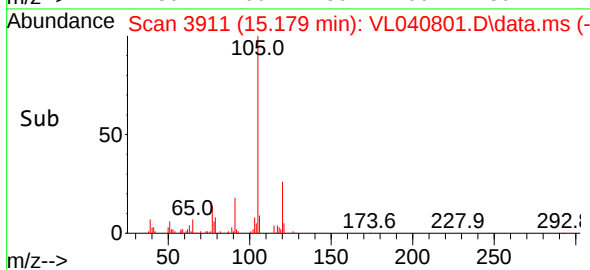
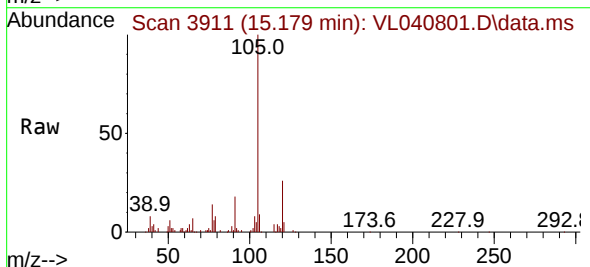
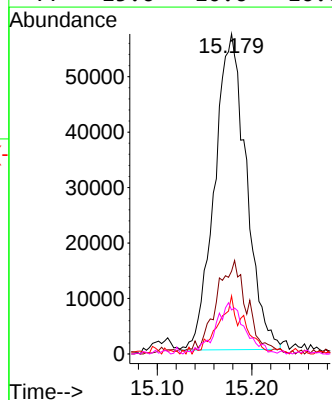
Manual Integrations
APPROVED

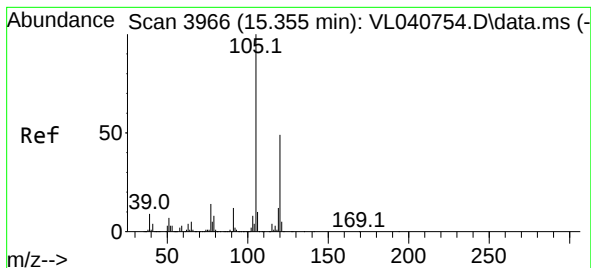
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#72
4-Ethyltoluene
Concen: 0.492 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

Tgt Ion:105 Resp: 132780
Ion Ratio Lower Upper
105 100
120 30.7 25.0 37.4
91 15.6 9.8 14.8#
77 15.6 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 0.486 ppbv

RT: 15.336 min Scan# 3966

Delta R.T. -0.019 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 11536

Ion Ratio Lower Upper

105 100

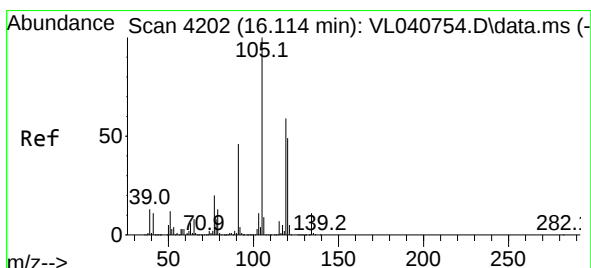
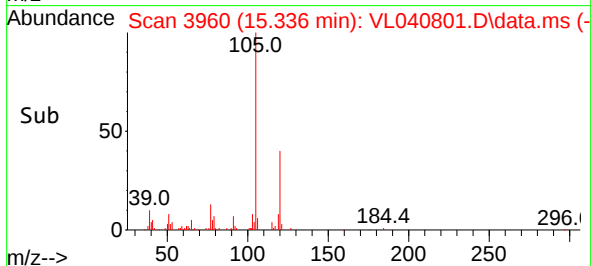
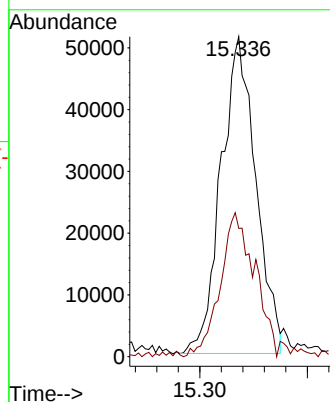
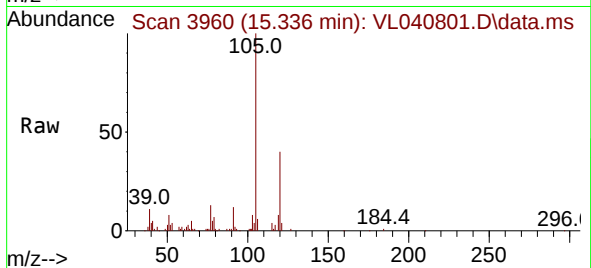
120 39.9 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.514 ppbv

RT: 16.089 min Scan# 4194

Delta R.T. -0.026 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

Tgt Ion:105 Resp: 133368

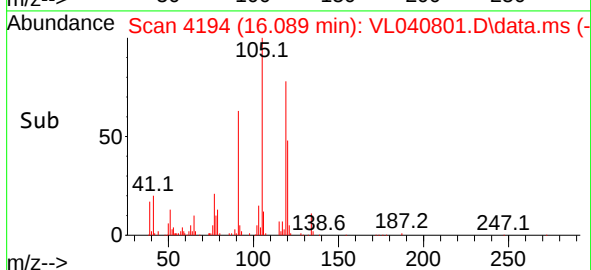
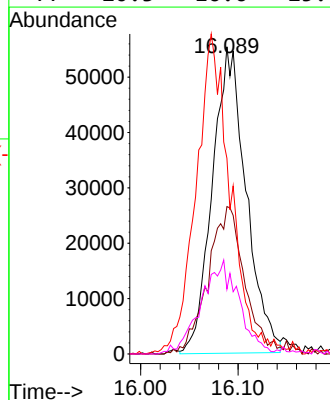
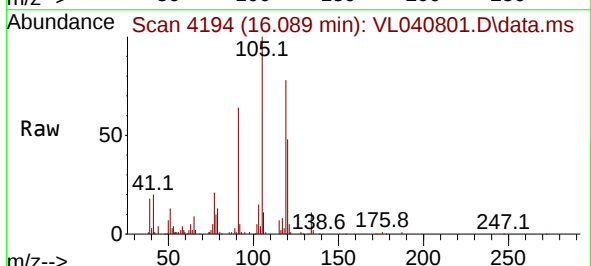
Ion Ratio Lower Upper

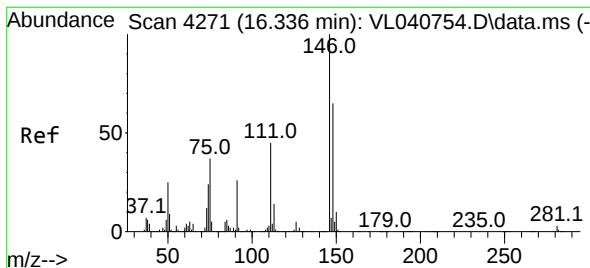
105 100

120 46.1 39.4 59.2

91 61.4 38.6 58.0#

77 20.3 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 0.493 ppbv m

RT: 16.317 min Scan# 4309

Delta R.T. -0.019 min

Lab File: VL040801.D

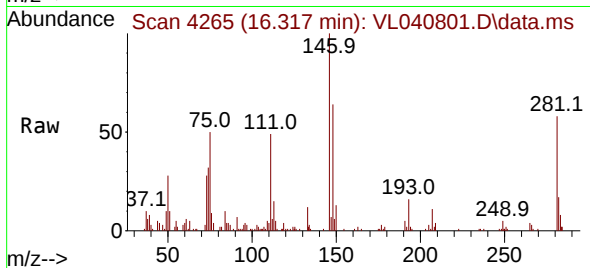
Acq: 25 Oct 2023 15:36

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 79579

Ion Ratio Lower Upper

146 100

111 53.1 22.6 67.7

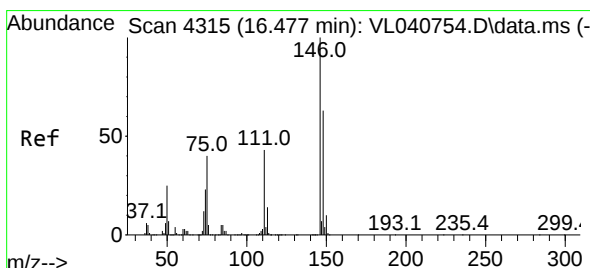
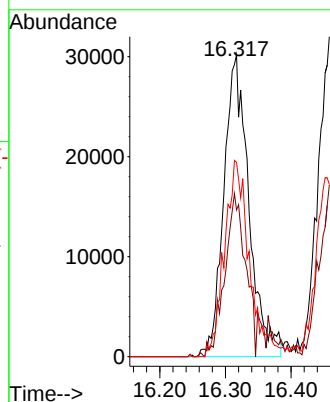
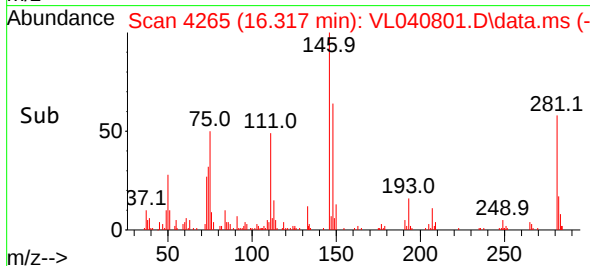
148 64.8 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#76

1,4-Dichlorobenzene

Concen: 0.499 ppbv m

RT: 16.458 min Scan# 4309

Delta R.T. -0.019 min

Lab File: VL040801.D

Acq: 25 Oct 2023 15:36

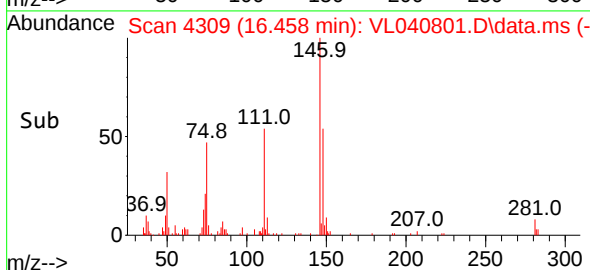
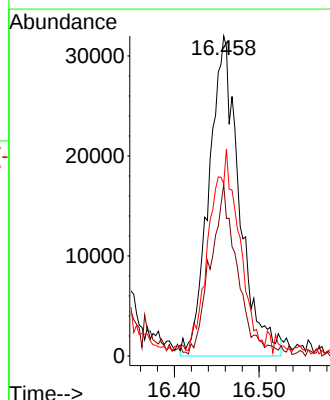
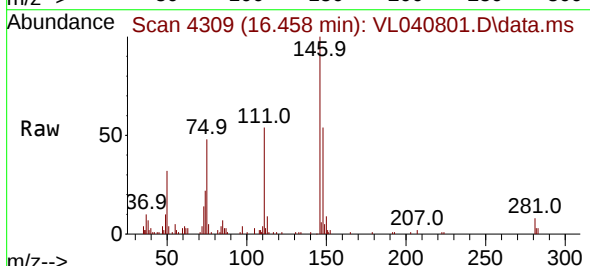
Tgt Ion:146 Resp: 79763

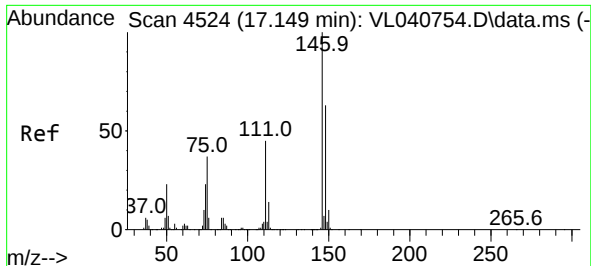
Ion Ratio Lower Upper

146 100

111 47.1 22.0 66.0

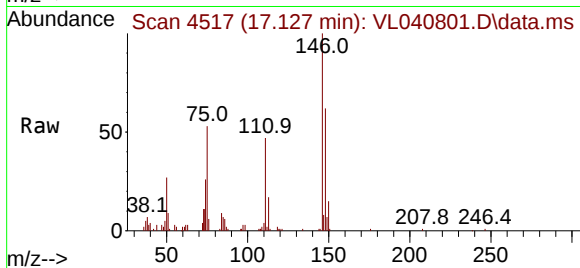
148 68.2 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.491 ppbv m
RT: 17.127 min Scan# 4517
Delta R.T. -0.022 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

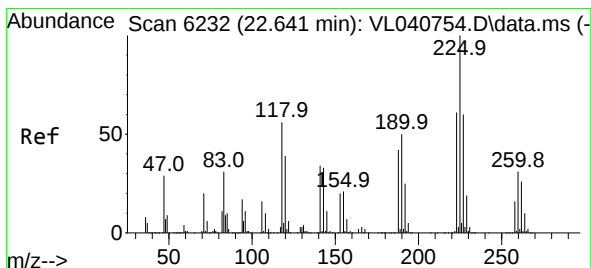
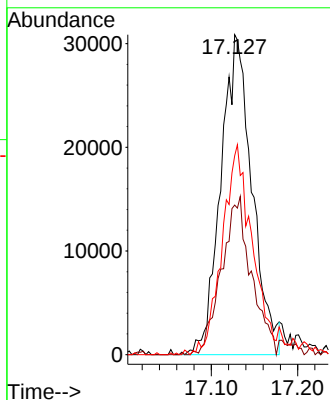
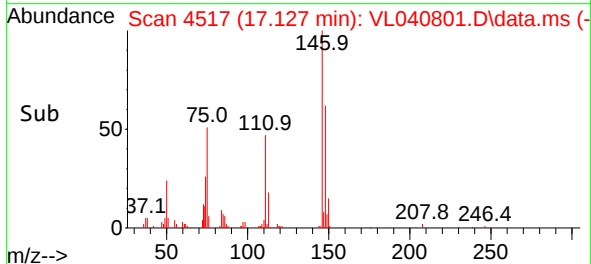
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 7772
Ion Ratio Lower Upper
146 100
111 0.0 22.9 68.8
148 0.0 32.3 96.8

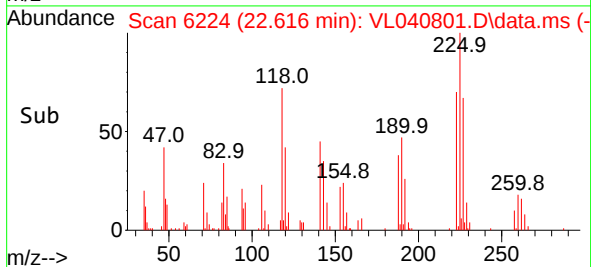
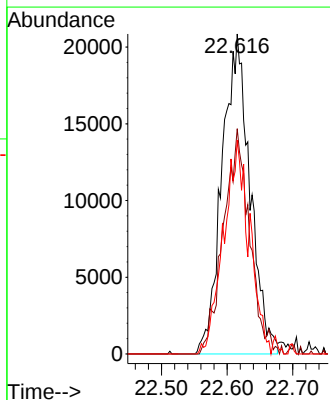
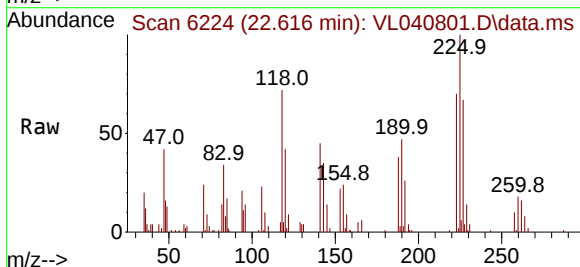
Manual Integrations
APPROVED

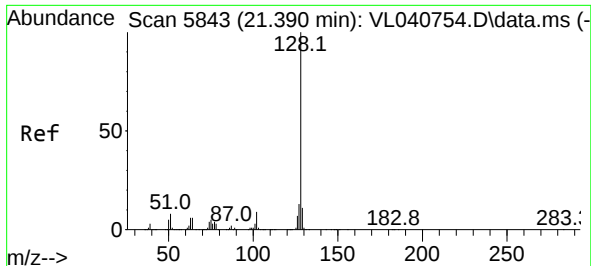
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.542 ppbv m
RT: 22.616 min Scan# 6224
Delta R.T. -0.026 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

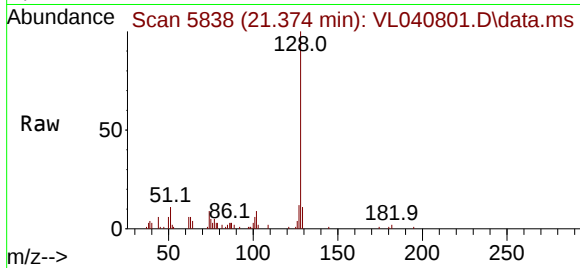
Tgt Ion:225 Resp: 61378
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.4 77.0#





#79
Naphthalene
Concen: 0.290 ppbv m
RT: 21.374 min Scan# 5838
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36

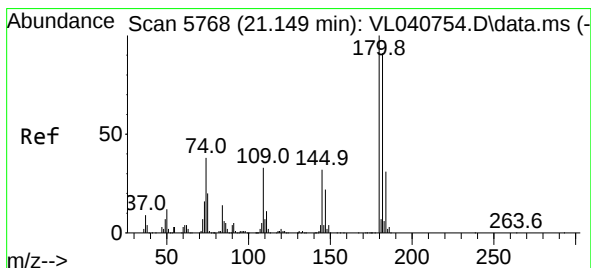
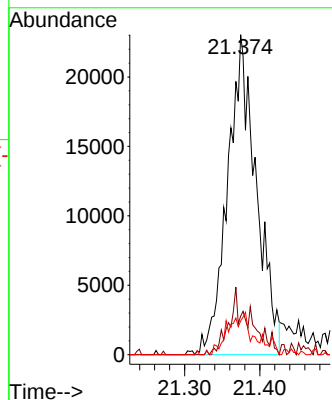
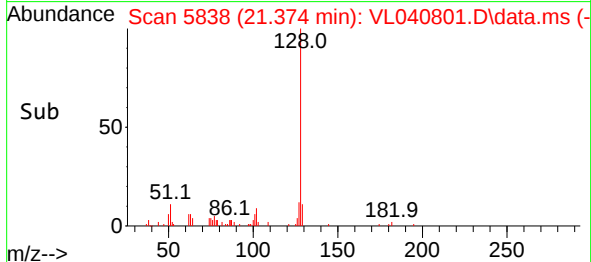
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



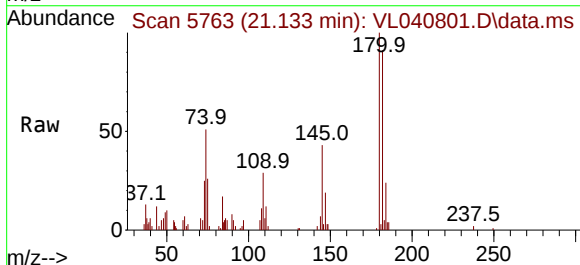
Tgt Ion:128 Resp: 6114
Ion Ratio Lower Upper
128 100
127 12.1 10.6 15.8
129 10.5 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#81
1,2,4-Trichlorobenzene
Concen: 0.367 ppbv m
RT: 21.133 min Scan# 5763
Delta R.T. -0.016 min
Lab File: VL040801.D
Acq: 25 Oct 2023 15:36



Tgt Ion:180 Resp: 42049
Ion Ratio Lower Upper
180 100
182 0.0 77.9 116.9#
184 0.0 25.0 37.6#

