

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040804.D
 Acq On : 25 Oct 2023 17:33
 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 03:53:31 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	927048	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2451821	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2262749	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1815217 10.902 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	88174	0.540	ppbv	91
3) Chlorodifluoromethane	2.687	51	76768	0.563	ppbv	99
4) Chloromethane	2.825	50	25292	0.470	ppbv	97
5) Vinyl Chloride	2.932	62	23906	0.430	ppbv	99
6) Bromomethane	3.131	94	11511m	0.501	ppbv	
7) Chloroethane	3.205	64	10176m	0.562	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	68866	0.556	ppbv	99
9) Propene	2.710	41	24409	0.482	ppbv	98
10) Heptane	7.562	43	56415m	0.444	ppbv	
11) Trichlorofluoromethane	3.568	101	67549	0.536	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.070	101	46167	0.514	ppbv	100
13) Ethanol	3.266	45	7229m	0.633	ppbv	
14) Bromoethene	3.372	108	18445	0.479	ppbv #	86
15) Acetone	3.488	43	61404	0.641	ppbv	94
16) 1,3-Butadiene	2.993	39	24008	0.478	ppbv	92
17) tert-Butyl alcohol	3.899	59	37567	0.382	ppbv #	93
18) 1,1-Dichloroethene	3.880	96	19020	0.472	ppbv	97
19) Isopropyl Alcohol	3.600	45	33735m	0.547	ppbv	
20) Methylene Chloride	3.941	84	24864m	0.623	ppbv	
21) Allyl Chloride	4.002	41	29678	0.470	ppbv	96
22) trans-1,2-Dichloroethene	4.443	96	18606	0.434	ppbv #	80
23) Vinyl Acetate	4.629	43	57507m	0.471	ppbv	
24) 1,1-Dichloroethane	4.562	63	41942	0.455	ppbv	98
25) Ethyl Acetate	5.211	43	87895	0.419	ppbv #	94
26) Hexane	5.214	57	44442m	0.463	ppbv	
27) Carbon Disulfide	4.131	76	42444	0.401	ppbv #	71
28) Methyl tert-Butyl Ether	4.597	73	29562m	0.396	ppbv	
29) Chloroform	5.272	83	75803m	0.546	ppbv	
30) Cyclohexane	6.594	84	33813m	0.414	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	41747	0.472	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	66787	0.452	ppbv #	92
34) 2-Butanone	4.793	43	56804	0.512	ppbv	93
35) Carbon Tetrachloride	6.484	117	66135m	0.481	ppbv	
36) Benzene	6.359	78	86384	0.458	ppbv	96
37) 1,2-Dichloroethane	5.800	62	52898	0.548	ppbv	98
38) Trichloroethene	7.279	130	34423m	0.412	ppbv	
39) 1,2-Dichloropropane	7.060	63	37904m	0.514	ppbv	
40) 1,4-Dioxane	7.308	88	16388m	0.588	ppbv	
41) Tetrahydrofuran	5.581	42	34520m	0.449	ppbv	
42) Bromodichloromethane	7.240	83	71891	0.497	ppbv #	93
43) Methyl Methacrylate	7.465	69	26212	0.347	ppbv #	72
44) 2,2,4-Trimethylpentane	7.314	57	152443	0.478	ppbv	95
45) t-1,3-Dichloropropene	8.693	75	17980m	0.299	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040804.D
 Acq On : 25 Oct 2023 17:33
 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 03:53:31 2023

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

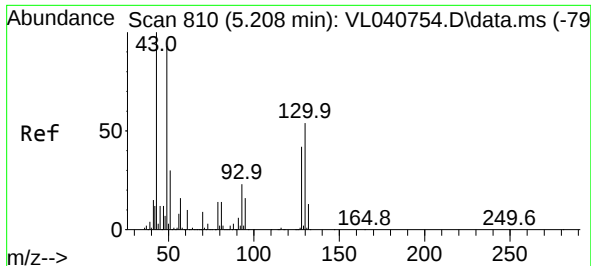
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

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

Response via : Initial Calibration

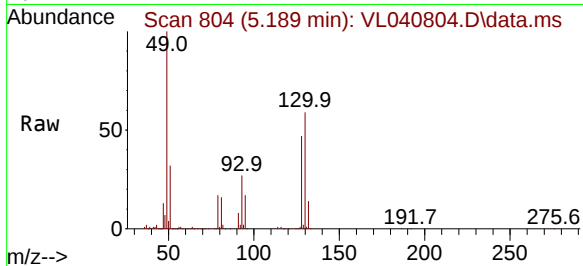
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	26720m	0.363	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	38447m	0.497	ppbv	
48) Dibromochloromethane	9.697	129	55977m	0.432	ppbv	
49) Bromoform	12.391	173	40329m	0.383	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	85958m	0.453	ppbv	
51) 2-Hexanone	9.568	43	55784m	0.386	ppbv	
52) Tetrachloroethene	10.594	164	33166m	0.433	ppbv	
53) Toluene	9.208	91	92966m	0.414	ppbv	
54) 1,2-Dibromoethane	9.992	107	49135m	0.453	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.487	131	43833m	0.475	ppbv	
57) Chlorobenzene	11.507	112	82059	0.506	ppbv	95
58) Ethyl Benzene	12.069	91	131466m	0.461	ppbv	
59) m/p-Xylene	12.349	91	225389m	0.961	ppbv	
60) o-Xylene	13.040	91	103152	0.462	ppbv	100
61) Styrene	12.876	104	48014m	0.388	ppbv	
62) Isopropylbenzene	14.008	105	164166	0.478	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	88582m	0.529	ppbv	
64) n-propylbenzene	14.899	120	42285	0.458	ppbv	68
65) tert-Butylbenzene	16.079	119	145065m	0.468	ppbv	
66) Benzyl Chloride	16.310	91	7705m	0.247	ppbv	
67) sec-Butylbenzene	16.616	105	203450	0.479	ppbv	96
69) p-Isopropyltoluene	16.979	119	158048m	0.444	ppbv	
70) n-Butylbenzene	17.870	91	166938	0.478	ppbv	95
71) 2-Chlorotoluene	14.780	91	119772	0.464	ppbv	100
72) 4-Ethyltoluene	15.175	105	112414	0.430	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.336	105	102358	0.444	ppbv	95
74) 1,2,4-Trimethylbenzene	16.085	105	117157	0.466	ppbv #	88
75) 1,3-Dichlorobenzene	16.314	146	66032	0.422	ppbv	86
76) 1,4-Dichlorobenzene	16.452	146	66064	0.426	ppbv	88
77) 1,2-Dichlorobenzene	17.127	146	67146	0.437	ppbv	93
78) Hexachloro-1,3-Butadiene	22.596	225	53575m	0.488	ppbv	
79) Naphthalene	21.375	128	47074m	0.230	ppbv	
81) 1,2,4-Trichlorobenzene	21.130	180	35152m	0.316	ppbv	

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

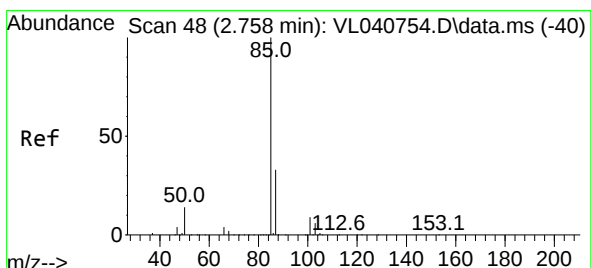
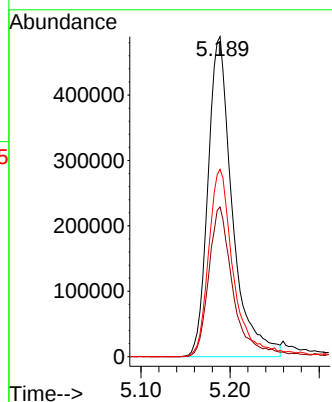
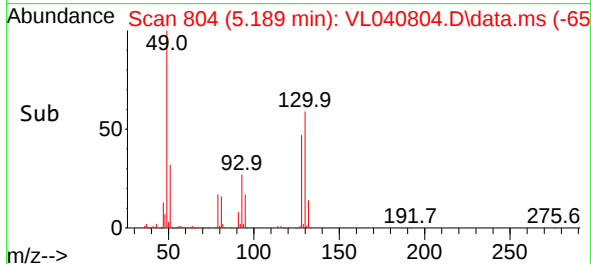
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 92704
Ion Ratio Lower Upper
49 100
128 48.3 23.9 71.7
130 60.8 30.7 92.1

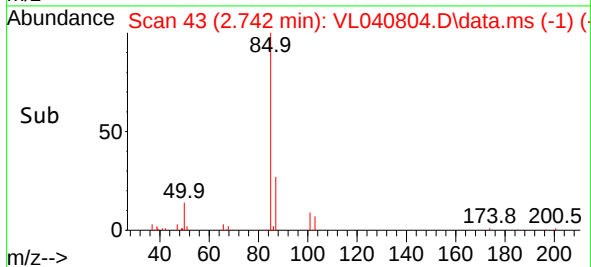
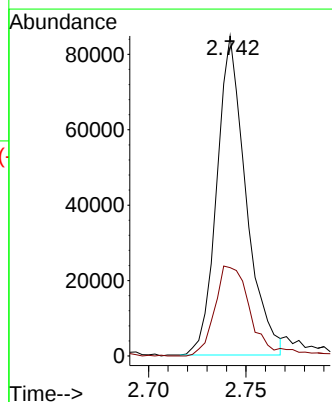
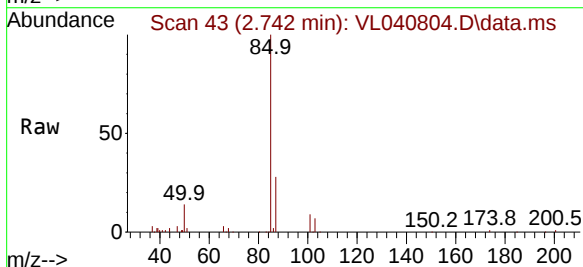
Manual Integrations
APPROVED

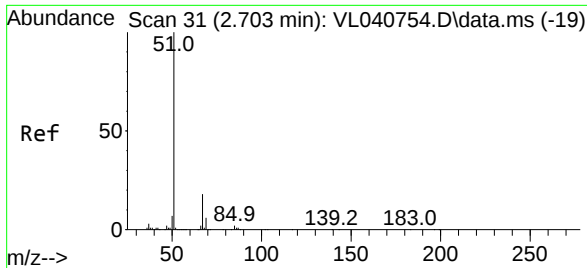
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.540 ppbv
RT: 2.742 min Scan# 43
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 85 Resp: 88174
Ion Ratio Lower Upper
85 100
87 27.7 26.0 39.0





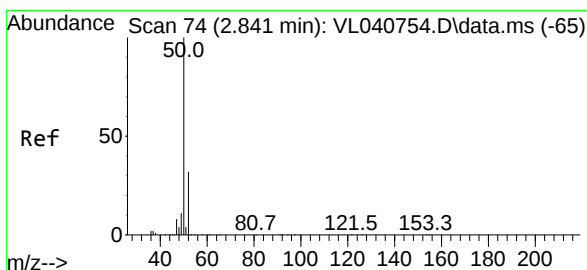
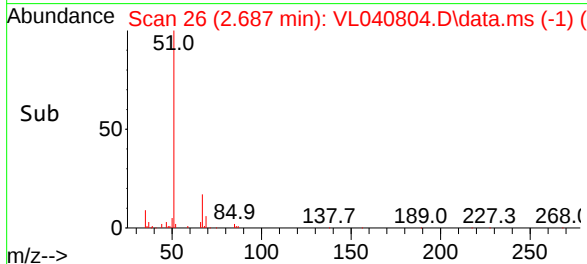
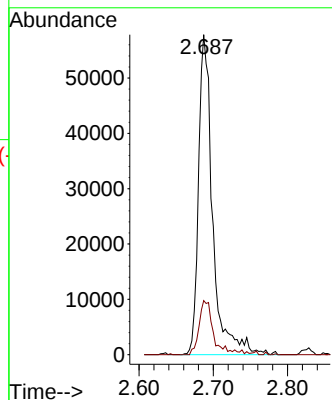
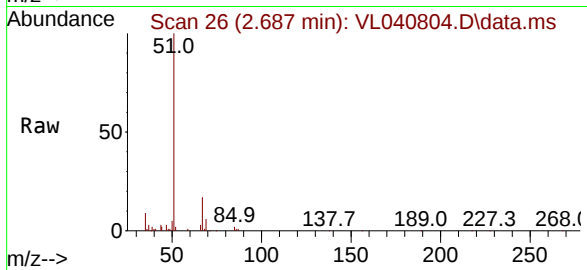
#3
Chlorodifluoromethane
Concen: 0.563 ppbv
RT: 2.687 min Scan# 20
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 51 Resp: 76768
Ion Ratio Lower Upper
51 100
67 17.8 13.8 20.6

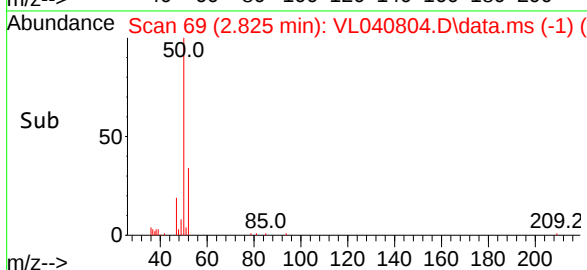
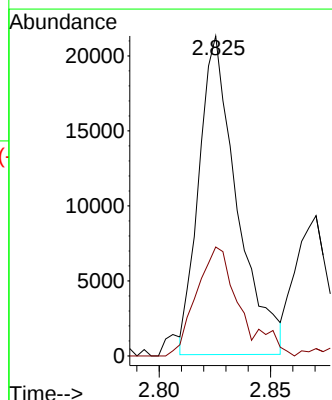
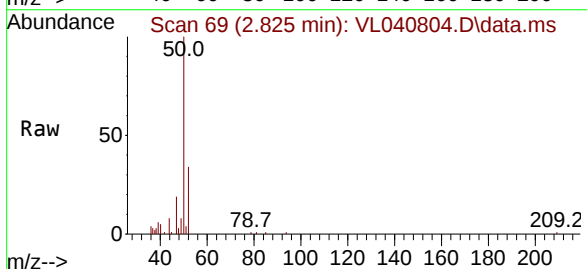
Manual Integrations
APPROVED

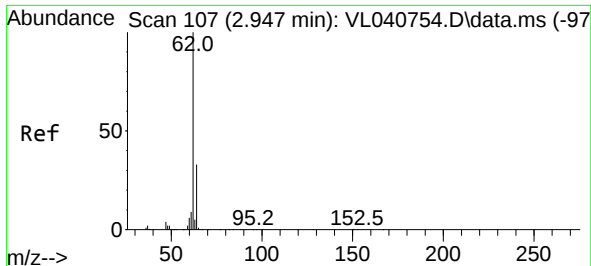
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#4
Chloromethane
Concen: 0.470 ppbv
RT: 2.825 min Scan# 69
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

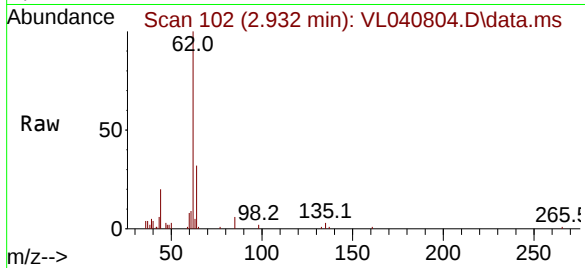
Tgt Ion: 50 Resp: 25292
Ion Ratio Lower Upper
50 100
52 33.3 25.3 37.9





#5
 Vinyl Chloride
 Concen: 0.430 ppbv
 RT: 2.932 min Scan# 107
 Delta R.T. -0.016 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

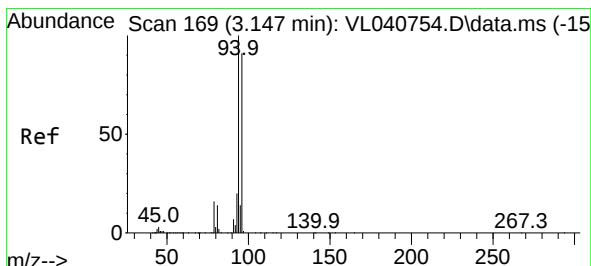
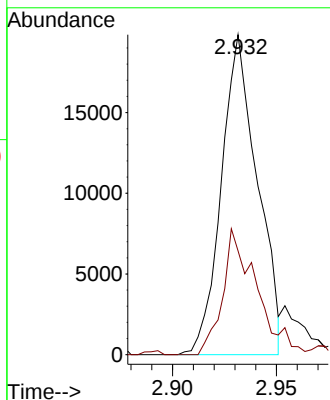
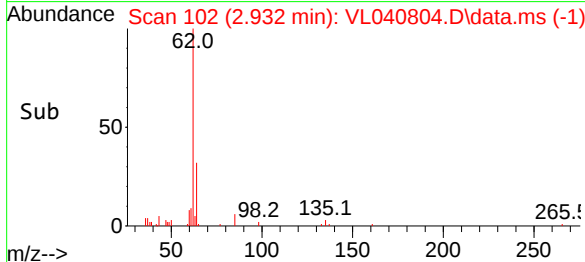
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 23900
 Ion Ratio Lower Upper
 62 100
 64 32.5 26.6 39.8

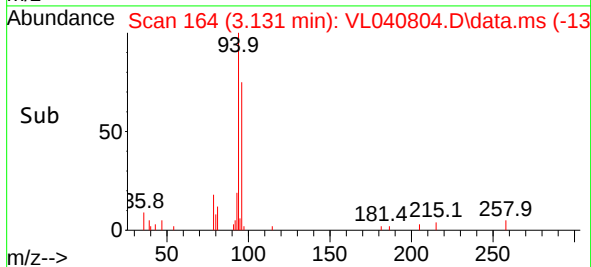
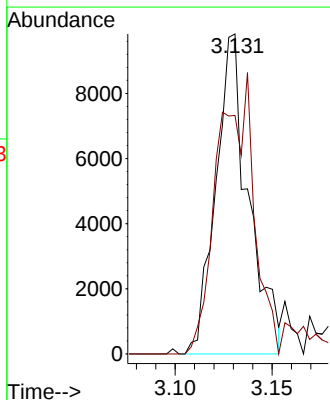
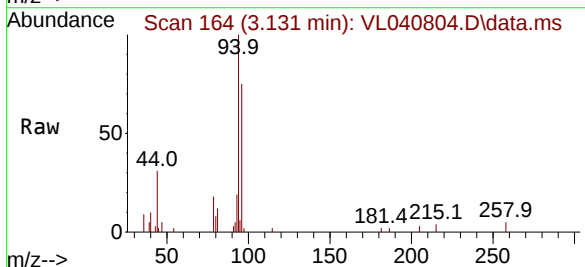
Manual Integrations
 APPROVED

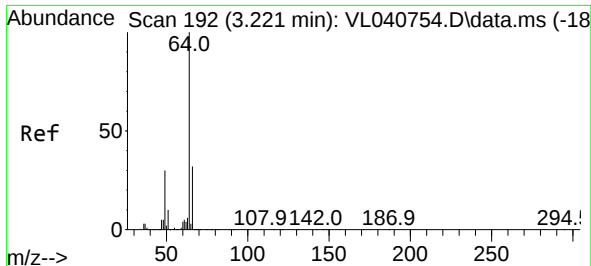
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#6
 Bromomethane
 Concen: 0.501 ppbv m
 RT: 3.131 min Scan# 164
 Delta R.T. -0.016 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

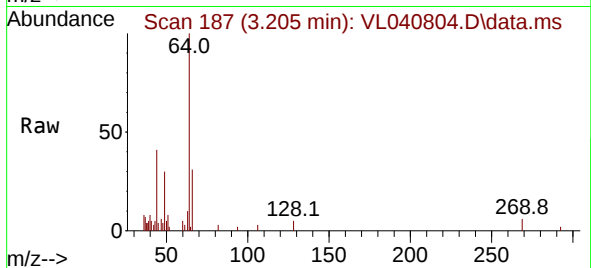
Tgt Ion: 94 Resp: 11511
 Ion Ratio Lower Upper
 94 100
 96 74.5 72.6 109.0





#7
Chloroethane
Concen: 0.562 ppbv m
RT: 3.205 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

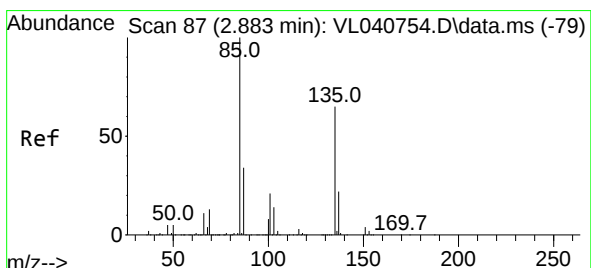
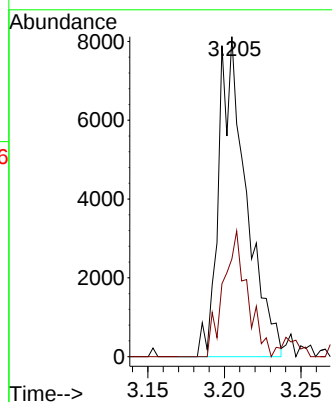
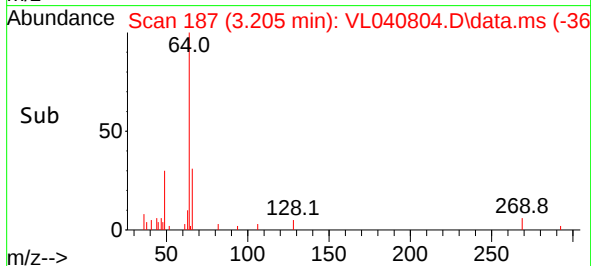
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 10170
Ion Ratio Lower Upper
64 100
66 30.5 25.4 38.2

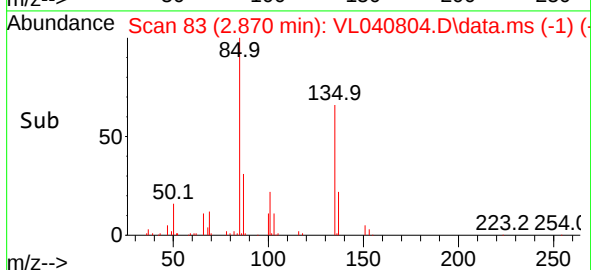
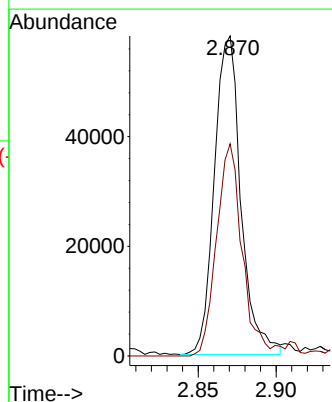
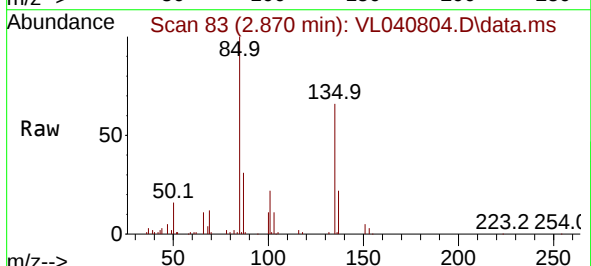
Manual Integrations
APPROVED

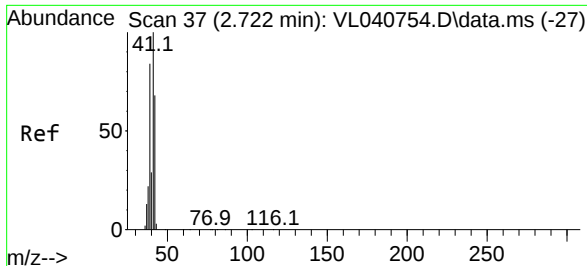
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#8
Dichlorotetrafluoroethane
Concen: 0.556 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.013 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

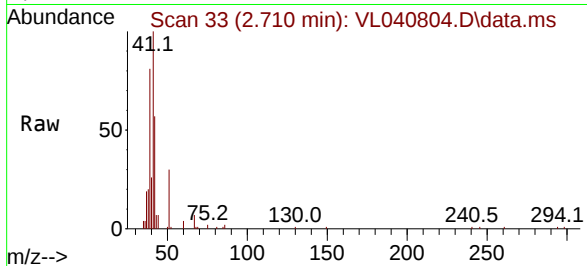
Tgt Ion: 85 Resp: 68866
Ion Ratio Lower Upper
85 100
135 68.1 55.4 83.2





#9
 Propene
 Concen: 0.482 ppbv
 RT: 2.710 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

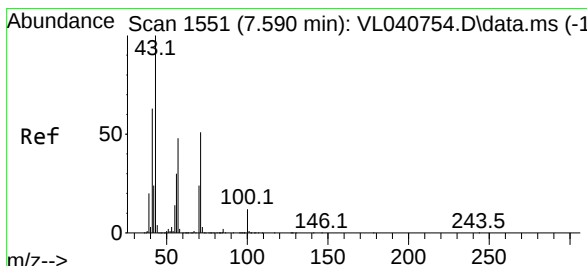
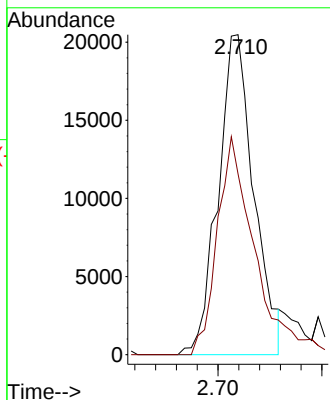
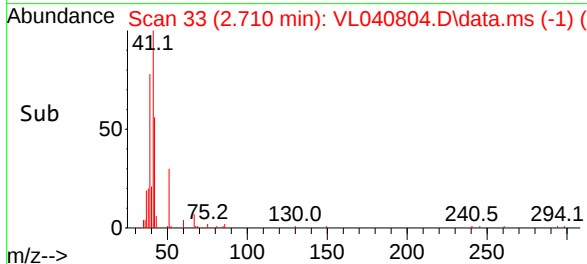
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



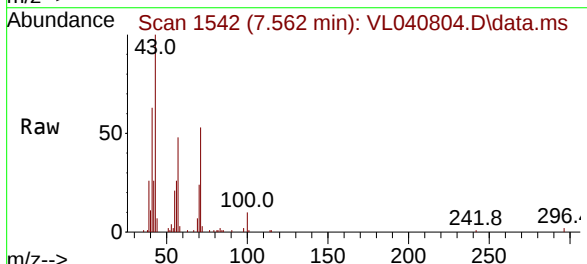
Tgt Ion: 41 Resp: 24409
 Ion Ratio Lower Upper
 41 100
 42 73.2 57.1 85.7

Manual Integrations
 APPROVED

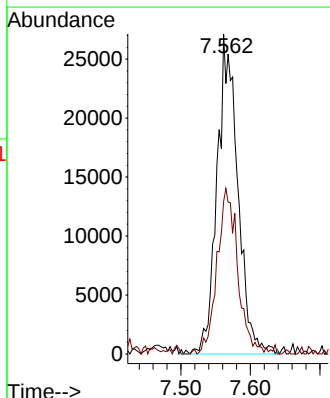
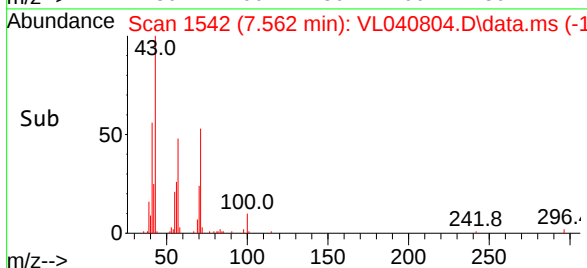
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023

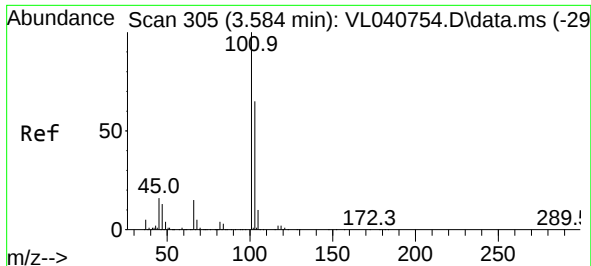


#10
 Heptane
 Concen: 0.444 ppbv m
 RT: 7.562 min Scan# 1542
 Delta R.T. -0.029 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33



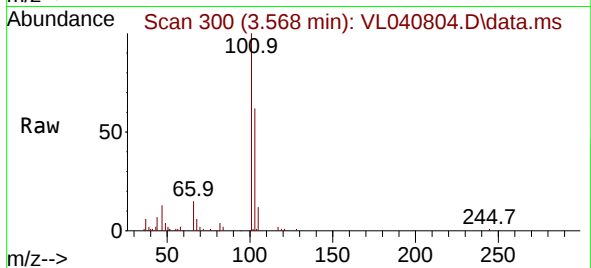
Tgt Ion: 43 Resp: 56415
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.0 60.0#





#11
Trichlorofluoromethane
Concen: 0.536 ppbv
RT: 3.568 min Scan# 305
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

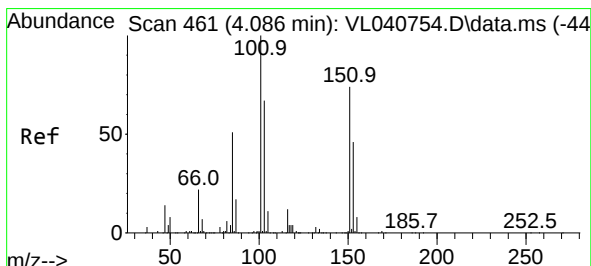
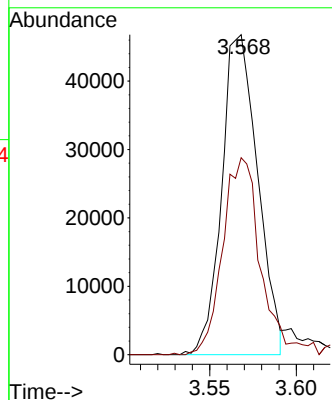
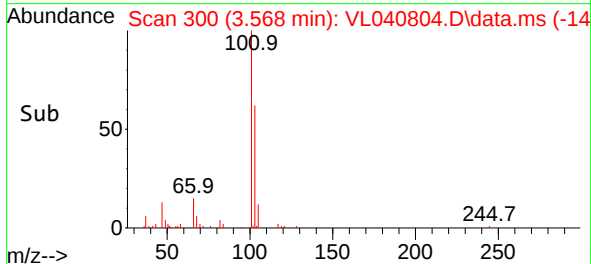
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 67549
Ion Ratio Lower Upper
101 100
103 61.6 52.2 78.2

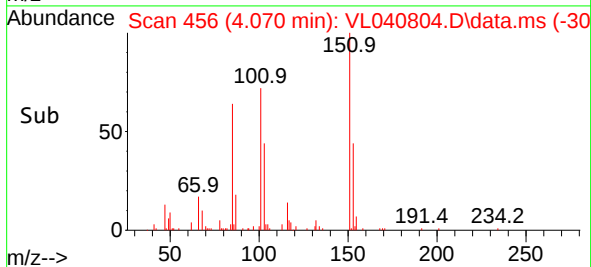
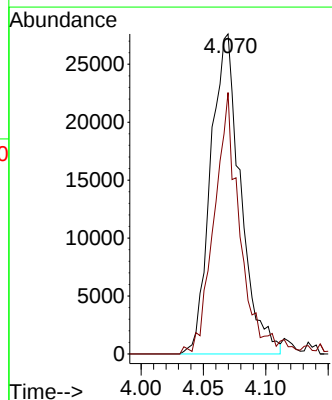
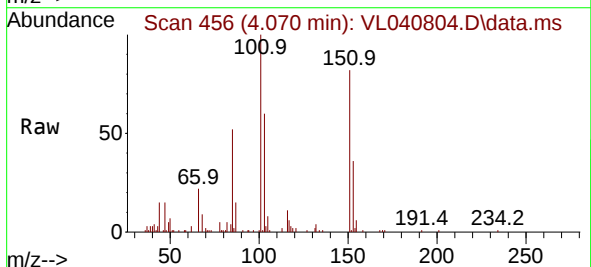
Manual Integrations
APPROVED

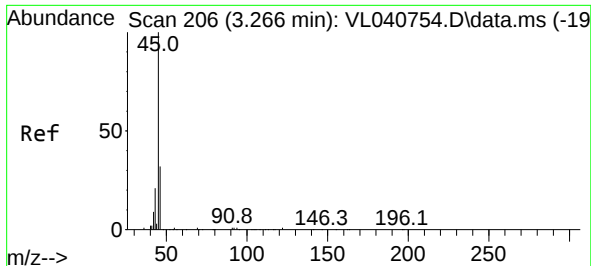
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.514 ppbv
RT: 4.070 min Scan# 456
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

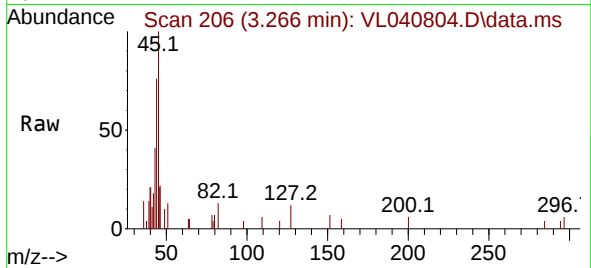
Tgt Ion:101 Resp: 46167
Ion Ratio Lower Upper
101 100
151 72.4 58.1 87.1





#13
Ethanol
Concen: 0.633 ppbv m
RT: 3.266 min Scan# 206
Delta R.T. 0.000 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

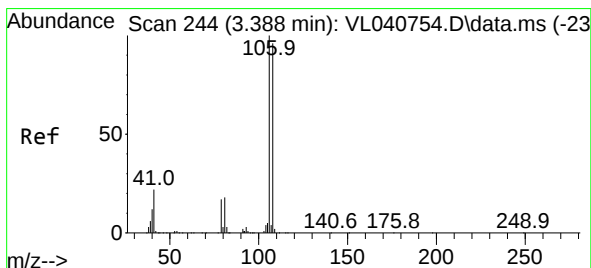
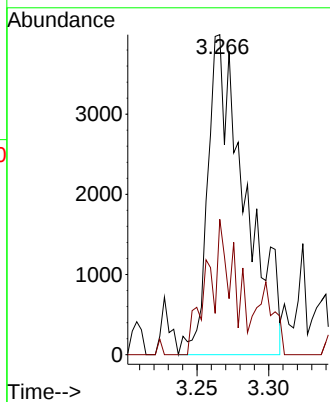
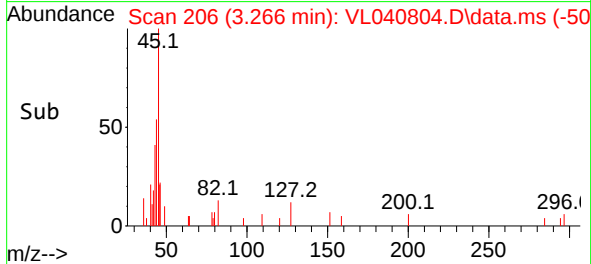
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



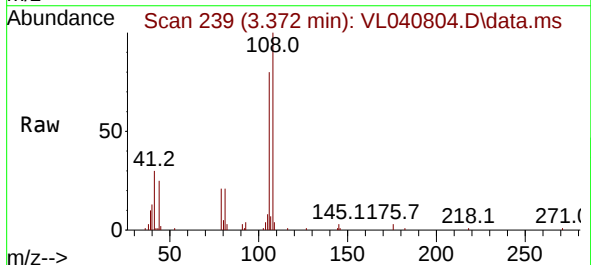
Tgt Ion: 45 Resp: 7229
Ion Ratio Lower Upper
45 100
46 40.5 14.6 58.2

Manual Integrations
APPROVED

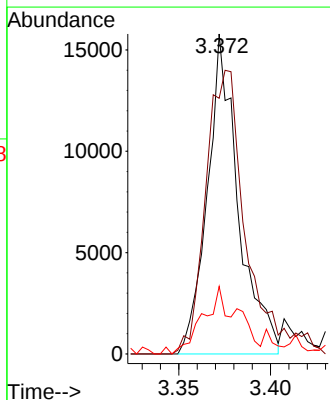
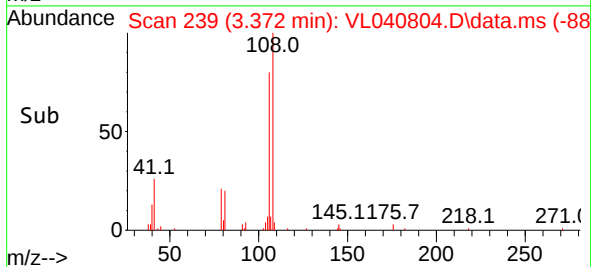
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

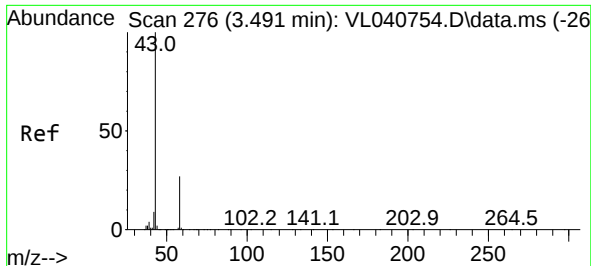


#14
Bromoethene
Concen: 0.479 ppbv
RT: 3.372 min Scan# 239
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33



Tgt Ion:108 Resp: 18445
Ion Ratio Lower Upper
108 100
106 118.2 85.2 127.8
79 33.3 15.7 23.5#





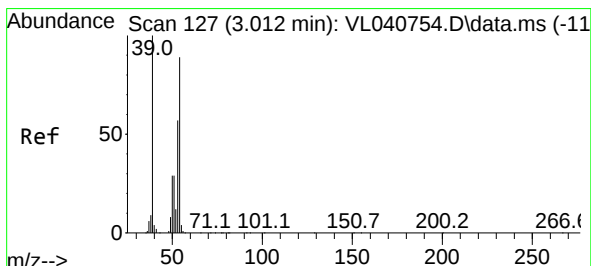
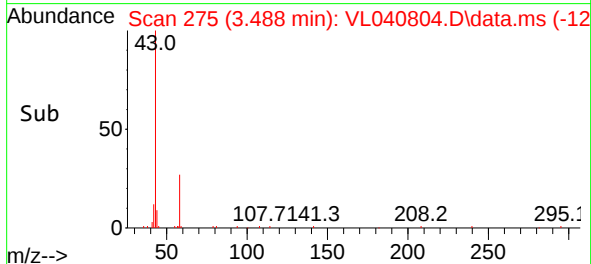
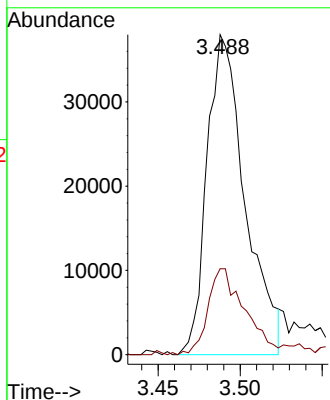
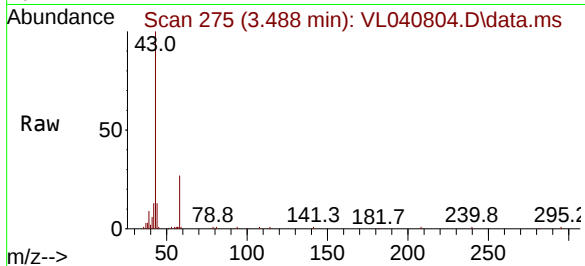
#15
Acetone
Concen: 0.641 ppbv
RT: 3.488 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 43 Resp: 61404
Ion Ratio Lower Upper
43 100
58 29.9 21.6 32.4

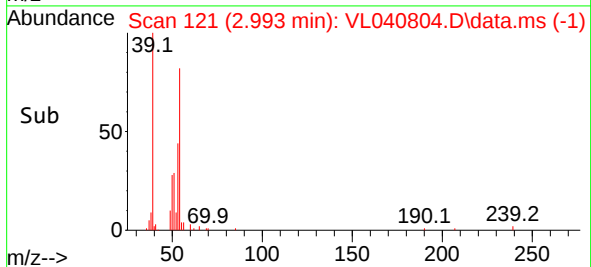
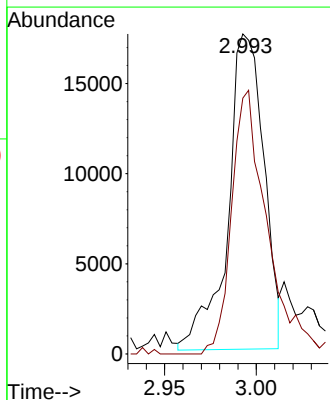
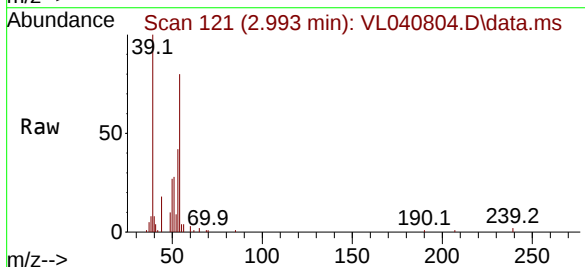
Manual Integrations
APPROVED

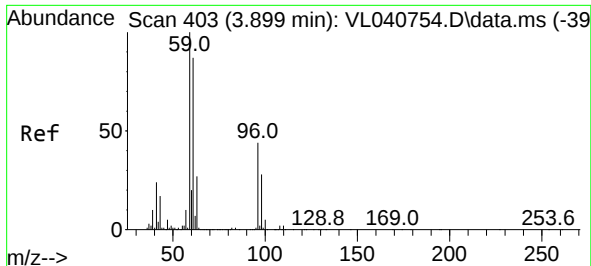
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 2.993 min Scan# 121
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 39 Resp: 24008
Ion Ratio Lower Upper
39 100
54 85.7 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.382 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.000 min

Lab File: VL040804.D

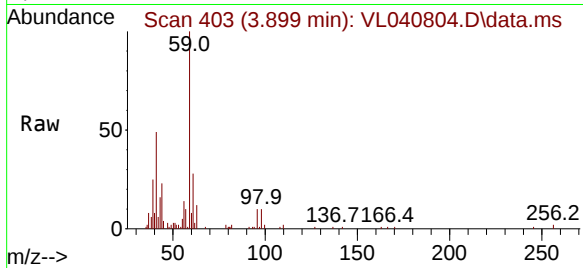
Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion: 59 Resp: 3756

Ion Ratio Lower Upper

59 100

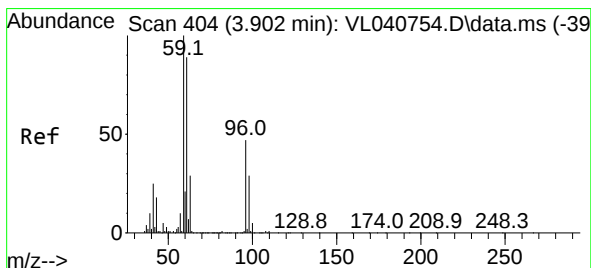
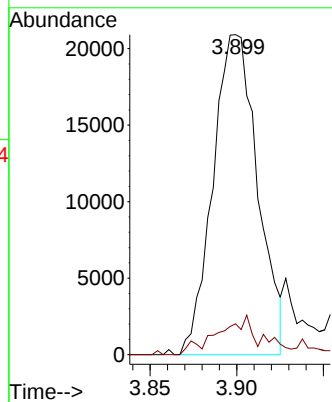
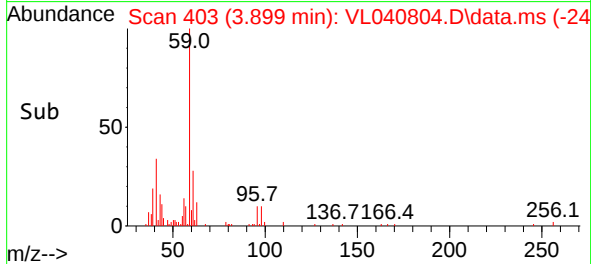
57 13.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#18

1,1-Dichloroethene

Concen: 0.472 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.022 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

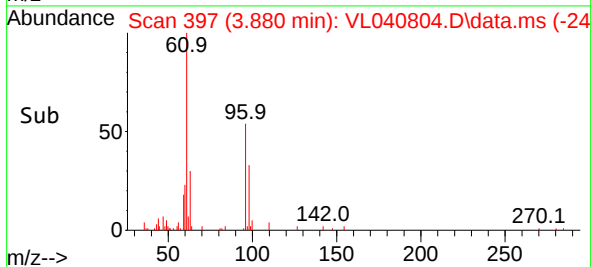
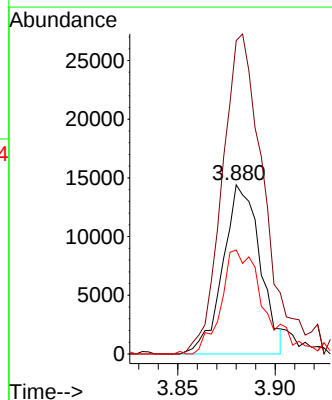
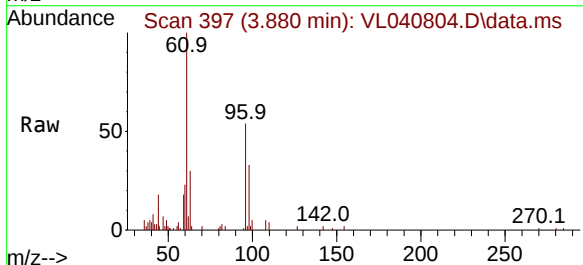
Tgt Ion: 96 Resp: 19020

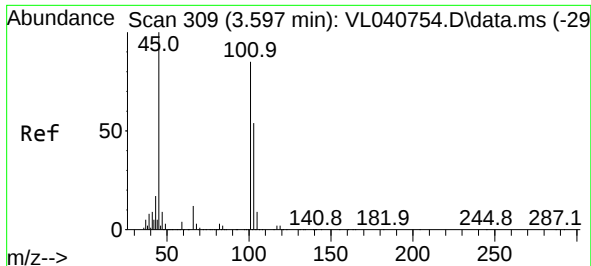
Ion Ratio Lower Upper

96 100

61 185.2 152.5 228.7

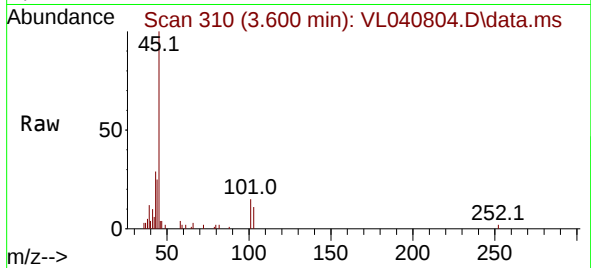
98 60.0 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.547 ppbv m
RT: 3.600 min Scan# 310
Delta R.T. 0.003 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

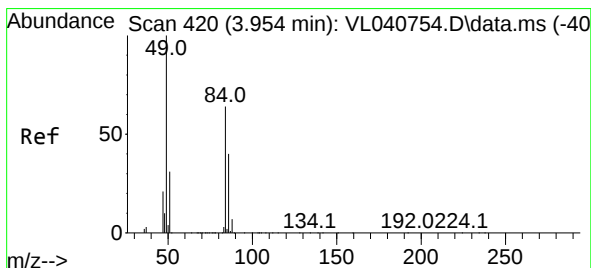
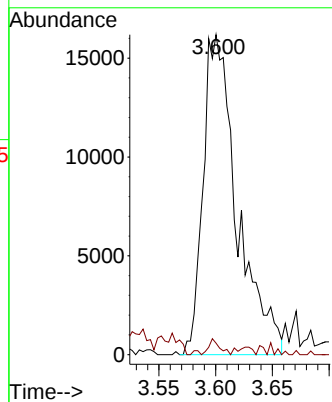
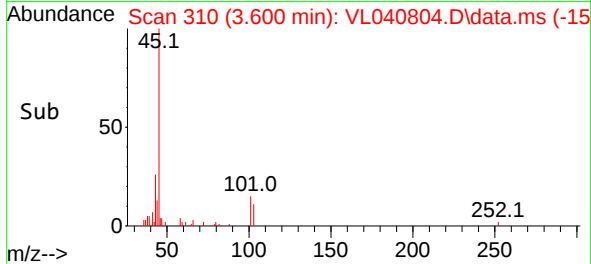
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 45 Resp: 3373
Ion Ratio Lower Upper
45 100
58 3.1 30.3 45.5

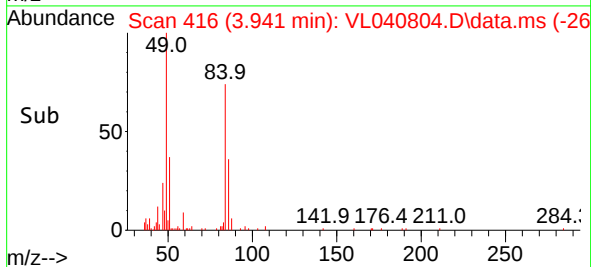
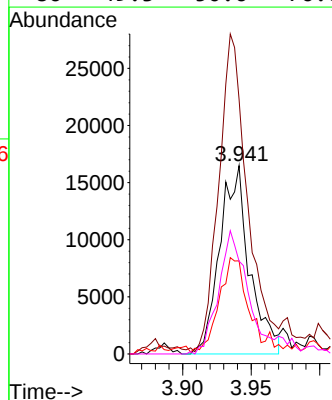
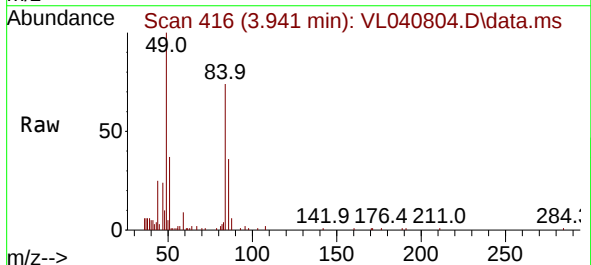
Manual Integrations
APPROVED

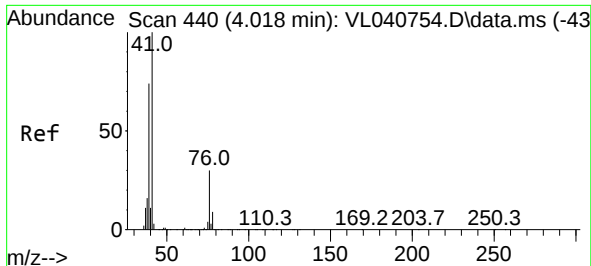
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#20
Methylene Chloride
Concen: 0.623 ppbv m
RT: 3.941 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

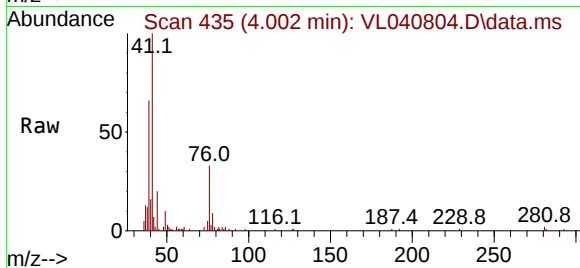
Tgt Ion: 84 Resp: 24864
Ion Ratio Lower Upper
84 100
49 135.2 125.6 188.4
51 49.5 38.9 58.3
86 49.3 50.6 76.0





#21
 Allyl Chloride
 Concen: 0.470 ppbv
 RT: 4.002 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

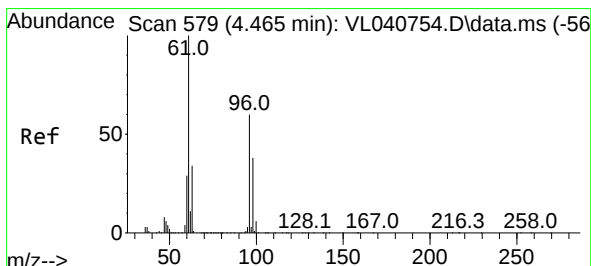
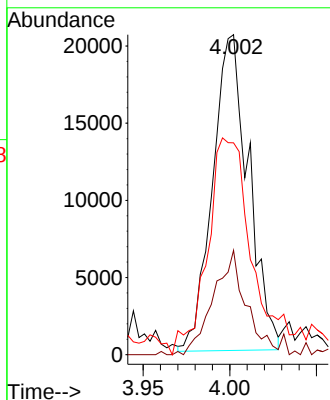
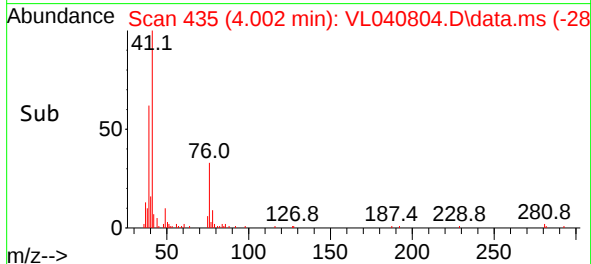
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 29678
 Ion Ratio Lower Upper
 41 100
 76 30.8 24.1 36.1
 39 75.9 63.8 95.6

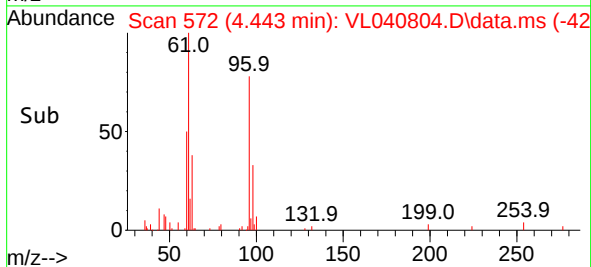
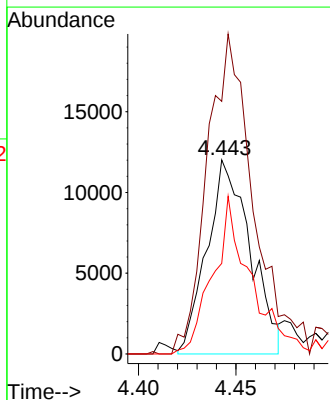
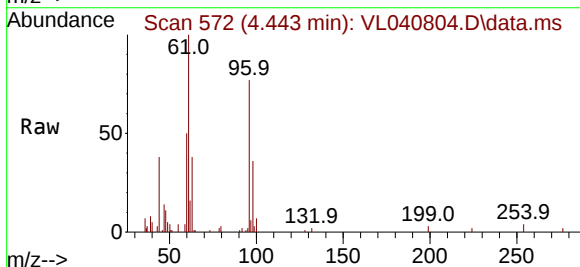
Manual Integrations
 APPROVED

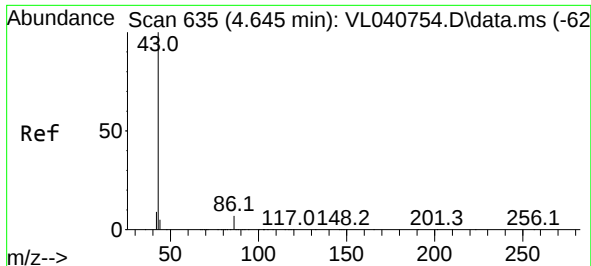
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.434 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. -0.022 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

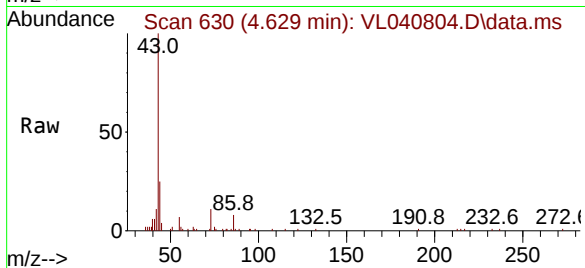
Tgt Ion: 96 Resp: 18606
 Ion Ratio Lower Upper
 96 100
 61 142.7 134.0 201.0
 98 45.5 51.0 76.4#





#23
 Vinyl Acetate
 Concen: 0.471 ppbv m
 RT: 4.629 min Scan# 610
 Delta R.T. -0.016 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

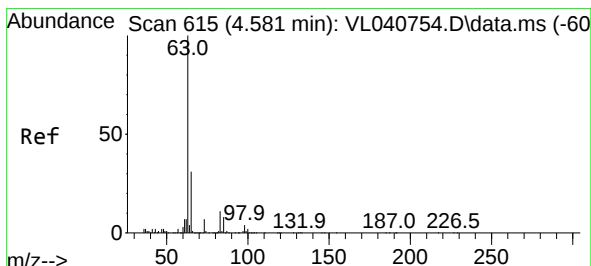
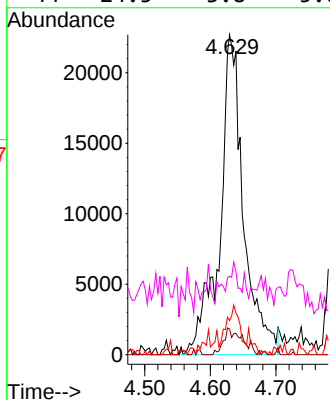
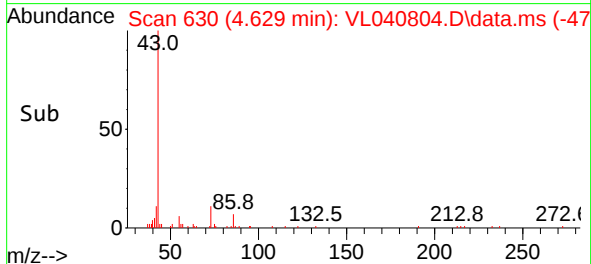
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 5750
 Ion Ratio Lower Upper
 43 100
 86 8.0 4.9 7.3
 42 10.6 7.8 11.6
 44 24.5 3.8 5.6#

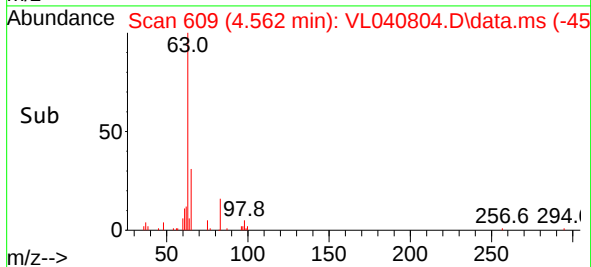
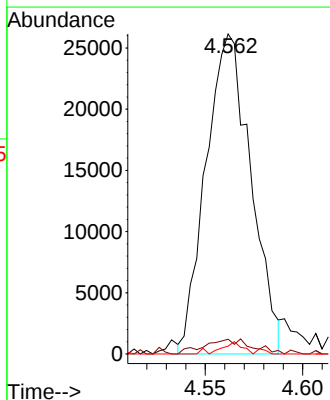
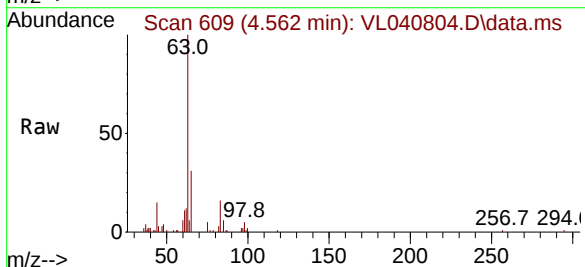
Manual Integrations
 APPROVED

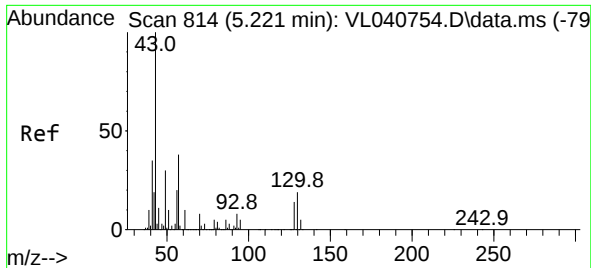
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#24
 1,1-Dichloroethane
 Concen: 0.455 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.019 min
 Lab File: VL040804.D
 Acq: 25 Oct 2023 17:33

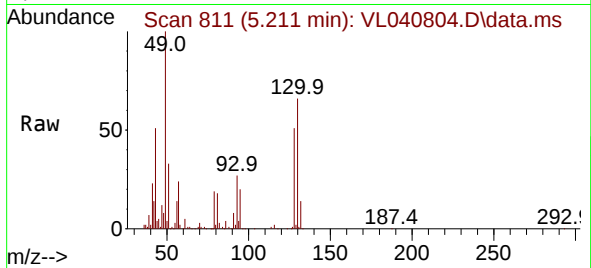
Tgt Ion: 63 Resp: 41942
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.0 5.8
 100 2.5 1.3 3.8





#25
Ethyl Acetate
Concen: 0.419 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

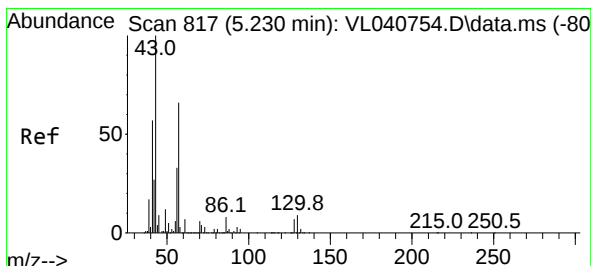
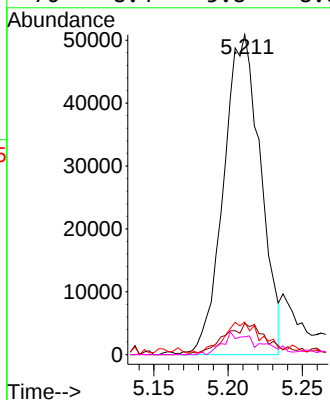
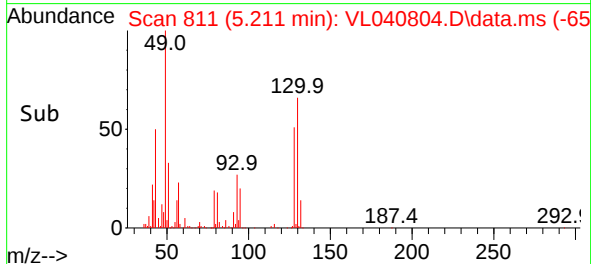
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.2	12.4
61	13.4	8.2	12.2
70	8.4	5.8	8.6

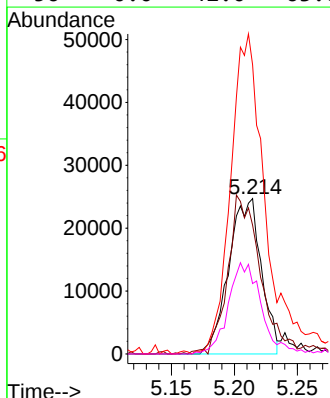
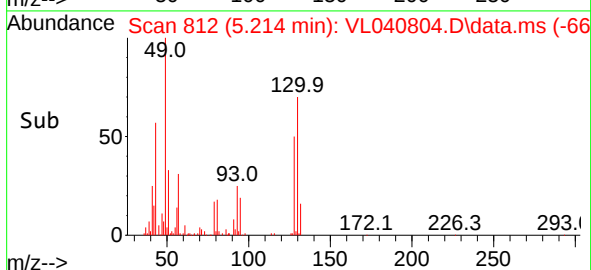
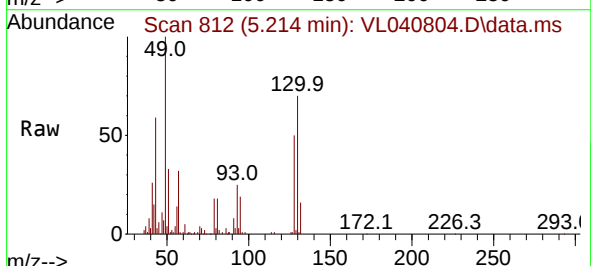
Manual Integrations
APPROVED

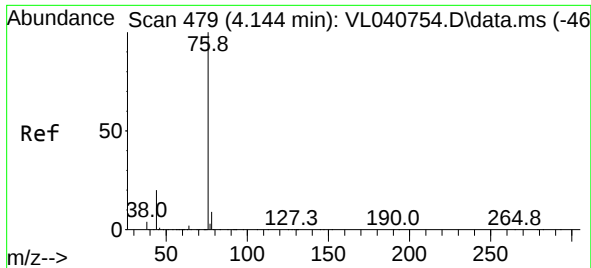
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#26
Hexane
Concen: 0.463 ppbv m
RT: 5.214 min Scan# 812
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

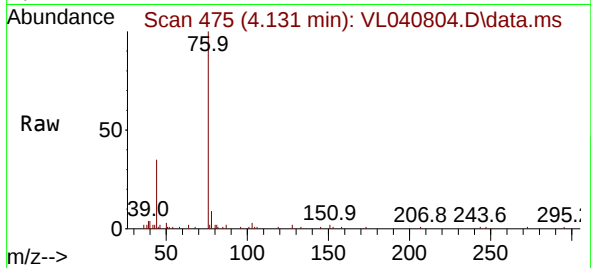
Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	71.4	107.2
43	228.7	182.3	273.5
56	0.0	42.0	63.0





#27
Carbon Disulfide
Concen: 0.401 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

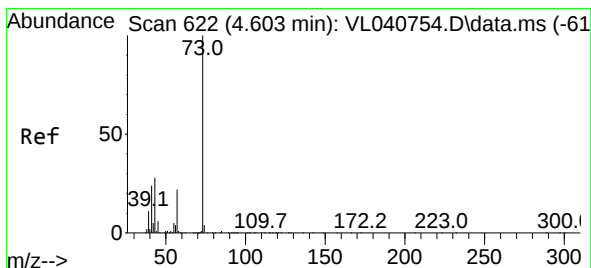
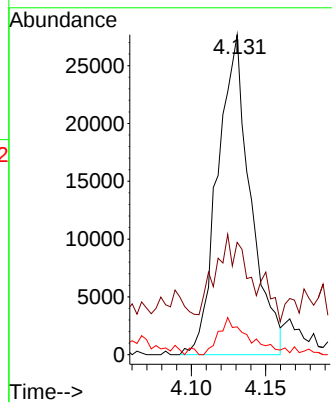
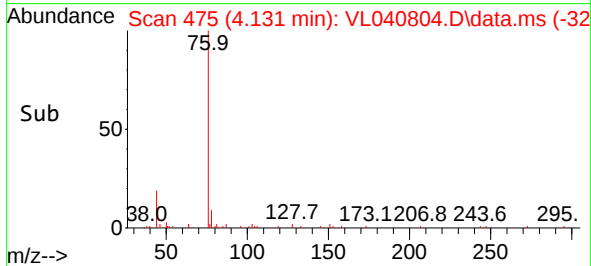
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 4244
Ion Ratio Lower Upper
76 100
44 39.0 16.6 25.0
78 12.1 7.8 11.6

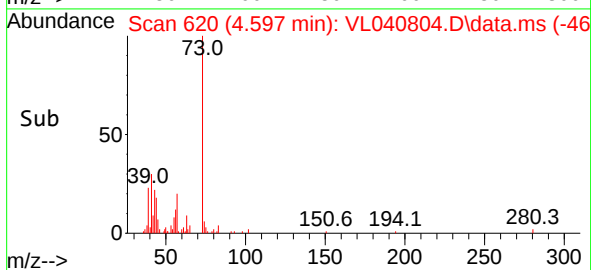
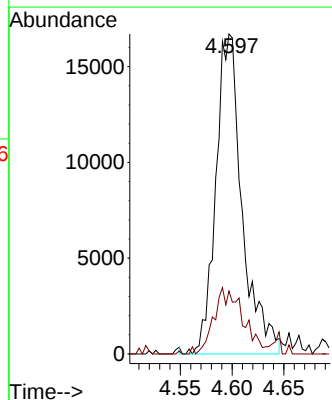
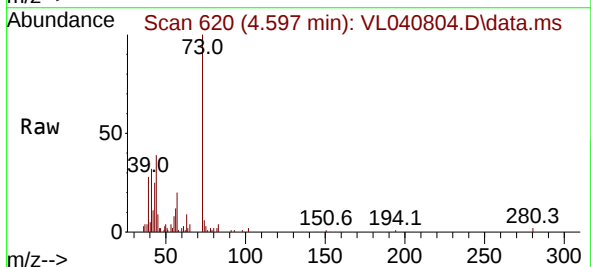
Manual Integrations
APPROVED

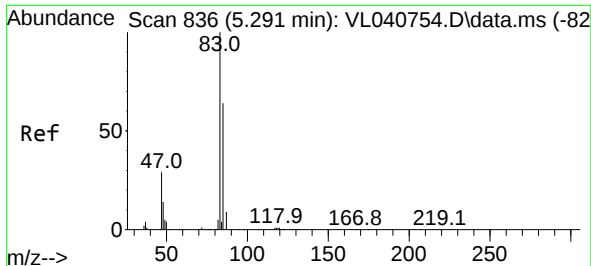
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#28
Methyl tert-Butyl Ether
Concen: 0.396 ppbv m
RT: 4.597 min Scan# 620
Delta R.T. -0.006 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 73 Resp: 29562
Ion Ratio Lower Upper
73 100
57 24.9 18.9 28.3





#29

Chloroform

Concen: 0.546 ppbv m

RT: 5.272 min Scan# 81

Delta R.T. -0.019 min

Lab File: VL040804.D

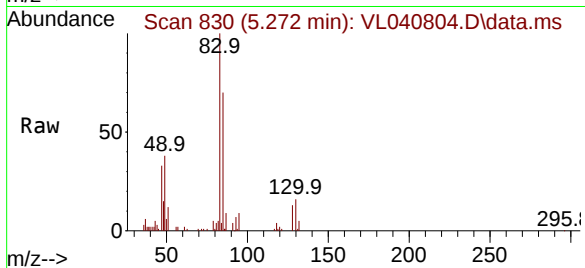
Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

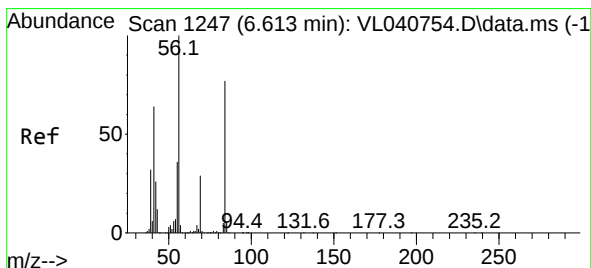
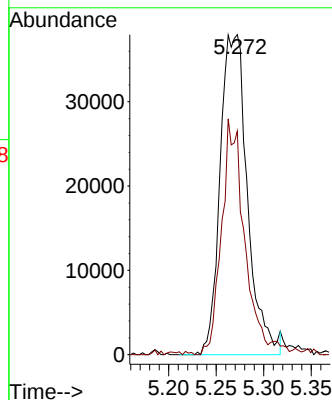
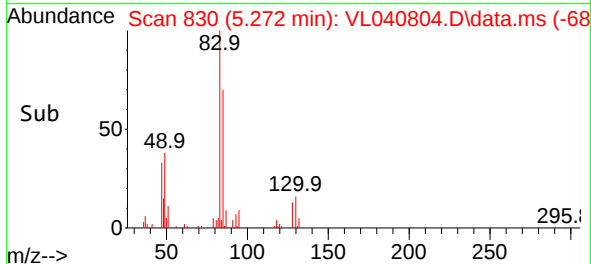


Tgt Ion:	83	Resp:	7580
Ion Ratio	100	Lower	Upper
83	100		
85	69.9	51.3	76.9

Manual Integrations

APPROVED

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



#30

Cyclohexane

Concen: 0.414 ppbv m

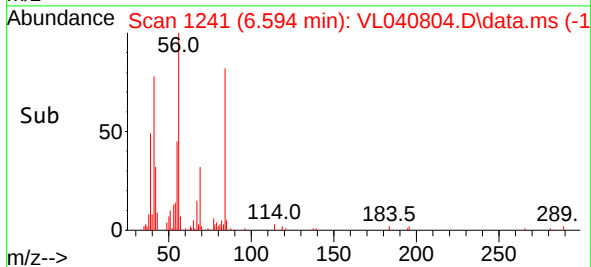
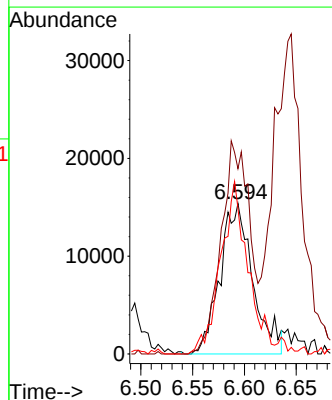
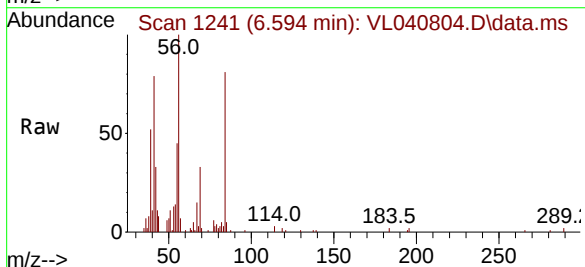
RT: 6.594 min Scan# 1241

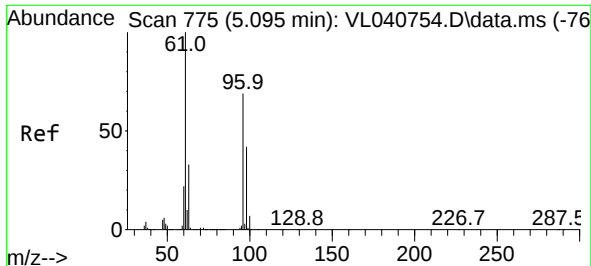
Delta R.T. -0.019 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Tgt Ion:	84	Resp:	33813
Ion Ratio	100	Lower	Upper
84	100		
56	118.8	110.3	165.5
41	0.0	67.4	101.2





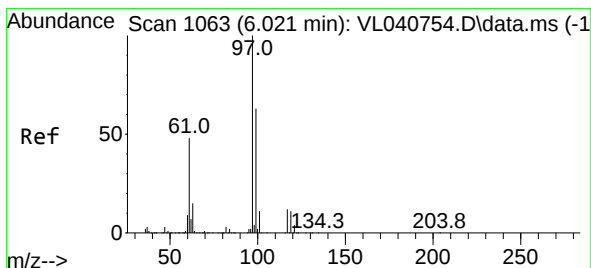
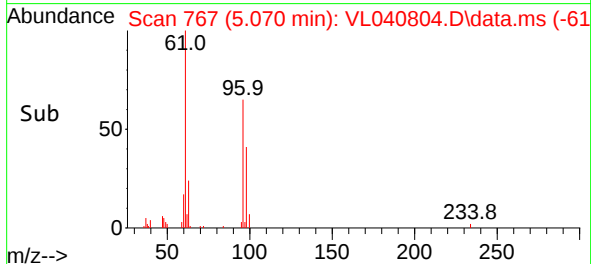
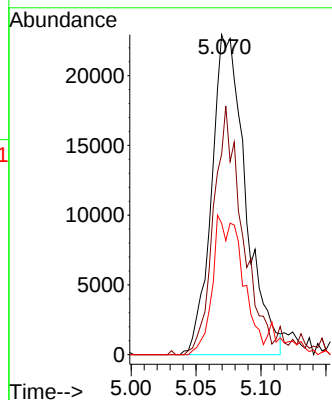
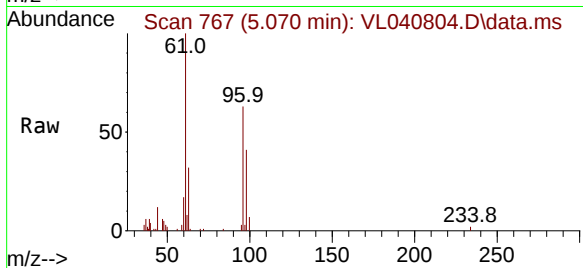
#31
cis-1,2-Dichloroethene
Concen: 0.472 ppbv
RT: 5.070 min Scan# 70
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 61 Resp: 4174
Ion Ratio Lower Upper
61 100
96 62.7 55.1 82.7
98 41.1 33.5 50.3

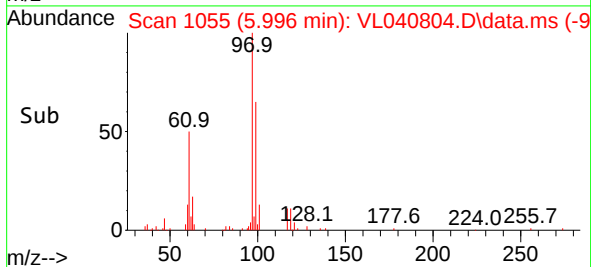
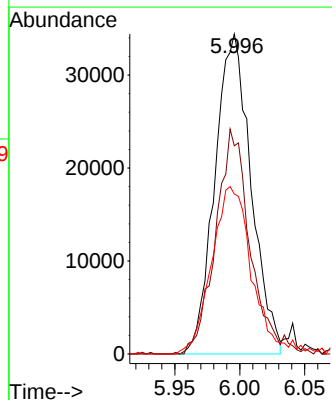
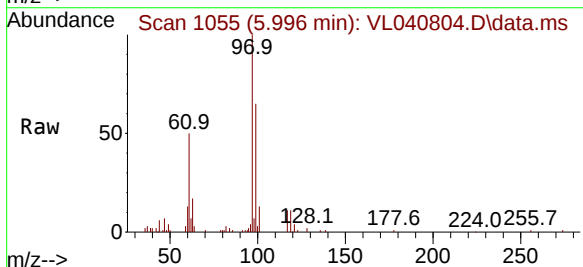
Manual Integrations
APPROVED

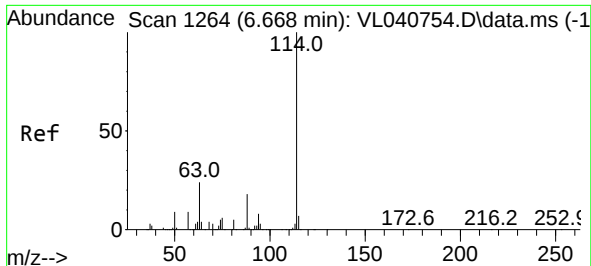
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#32
1,1,1-Trichloroethane
Concen: 0.452 ppbv
RT: 5.996 min Scan# 1055
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 97 Resp: 66787
Ion Ratio Lower Upper
97 100
99 67.5 51.8 77.6
61 58.2 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.026 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 245182

Ion Ratio Lower Upper

114 100

63 25.1 19.8 29.6

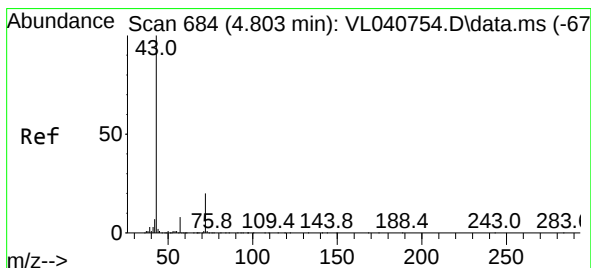
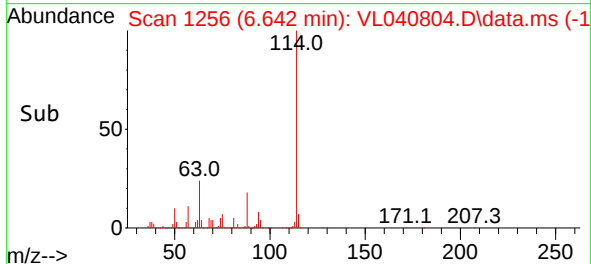
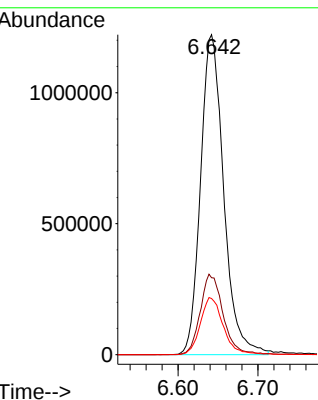
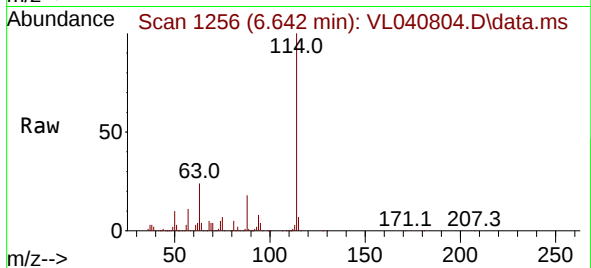
88 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#34

2-Butanone

Concen: 0.512 ppbv

RT: 4.793 min Scan# 681

Delta R.T. -0.010 min

Lab File: VL040804.D

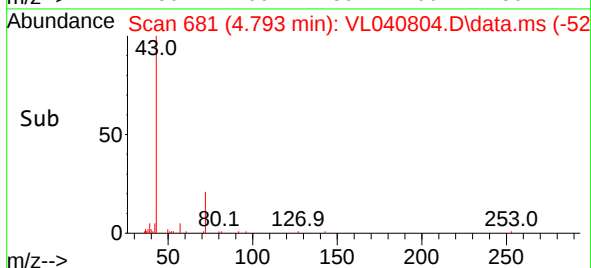
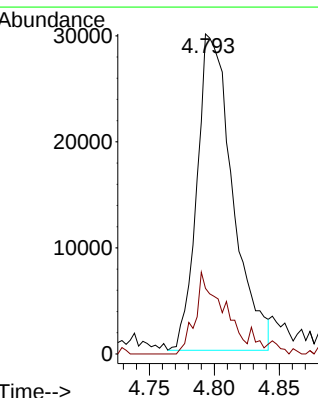
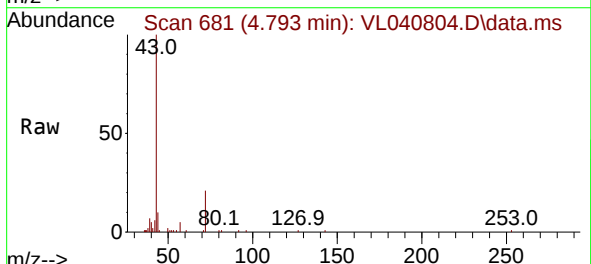
Acq: 25 Oct 2023 17:33

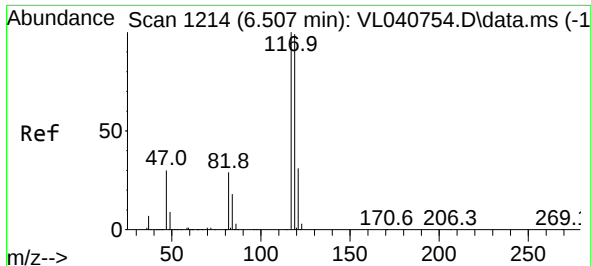
Tgt Ion: 43 Resp: 56804

Ion Ratio Lower Upper

43 100

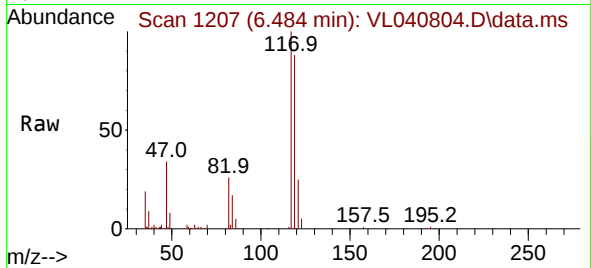
72 24.5 16.8 25.2





#35
Carbon Tetrachloride
Concen: 0.481 ppbv m
RT: 6.484 min Scan# 117
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

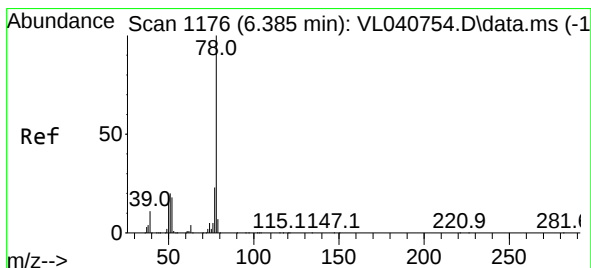
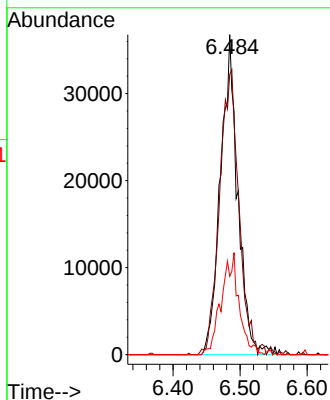
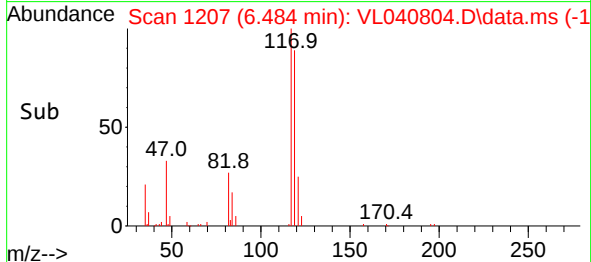
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 117 Resp: 6613
Ion Ratio Lower Upper
117 100
119 87.6 79.4 119.0
121 24.5 25.0 37.4

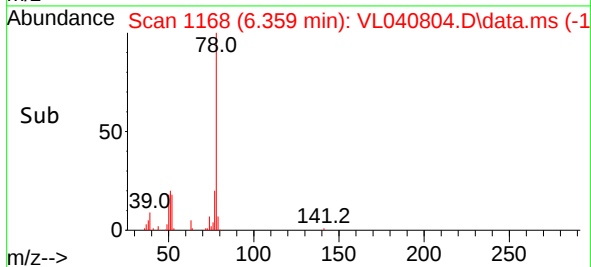
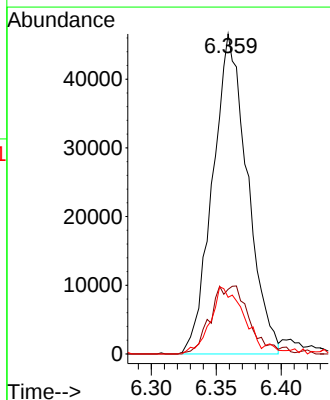
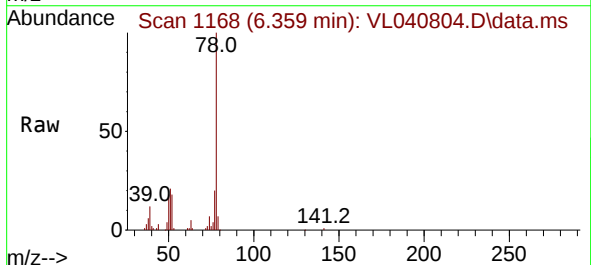
Manual Integrations
APPROVED

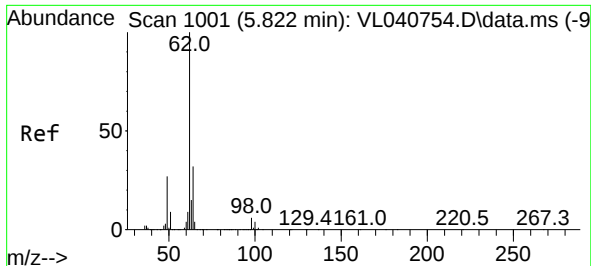
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#36
Benzene
Concen: 0.458 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 78 Resp: 86384
Ion Ratio Lower Upper
78 100
77 20.2 18.4 27.6
50 17.7 15.0 22.4





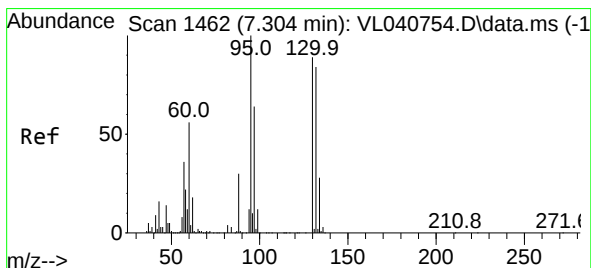
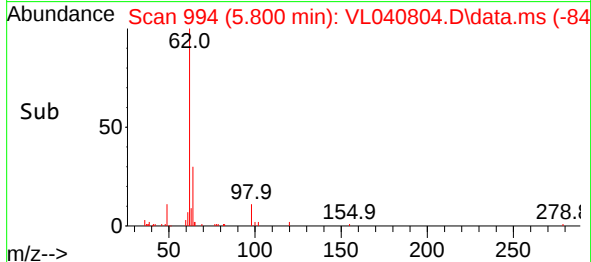
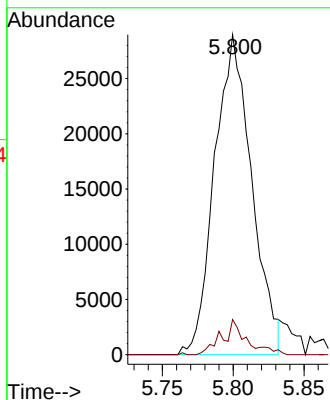
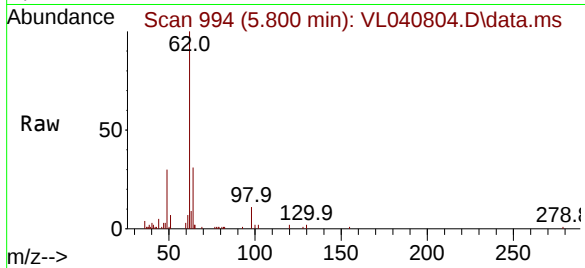
#37
1,2-Dichloroethane
Concen: 0.548 ppbv
RT: 5.800 min Scan# 994
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 62 Resp: 5289
Ion Ratio Lower Upper
62 100
98 7.3 5.4 8.0

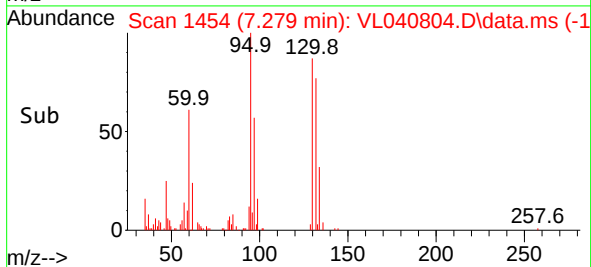
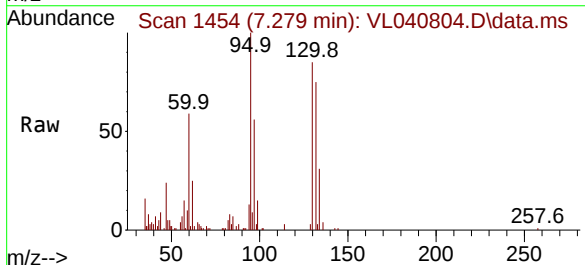
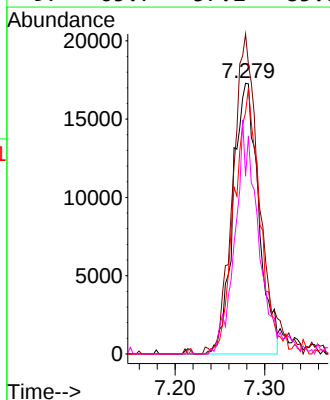
Manual Integrations
APPROVED

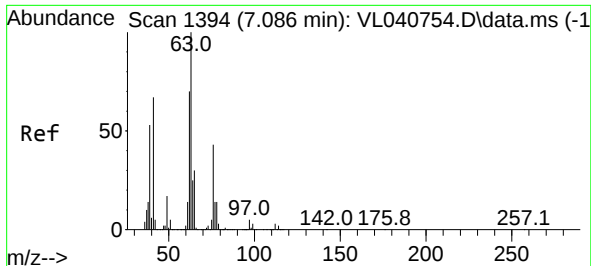
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#38
Trichloroethene
Concen: 0.412 ppbv m
RT: 7.279 min Scan# 1454
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion:130 Resp: 34423
Ion Ratio Lower Upper
130 100
95 118.2 89.4 134.2
132 89.3 74.8 112.2
97 65.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.514 ppbv m

RT: 7.060 min Scan# 1386

Delta R.T. -0.026 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

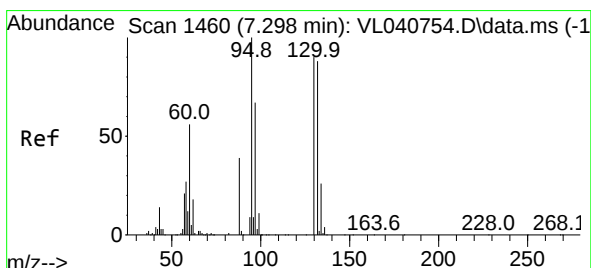
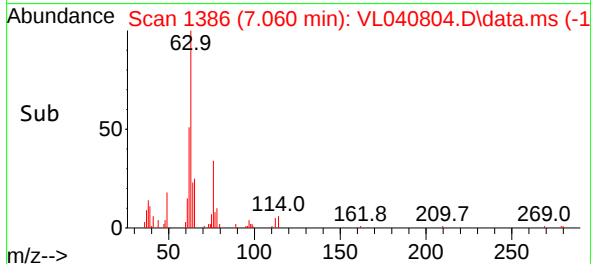
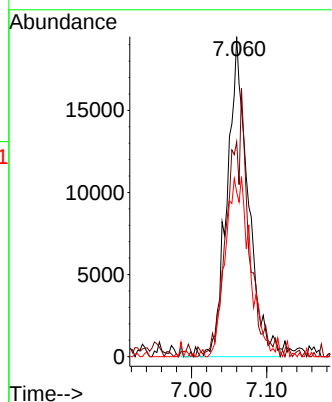
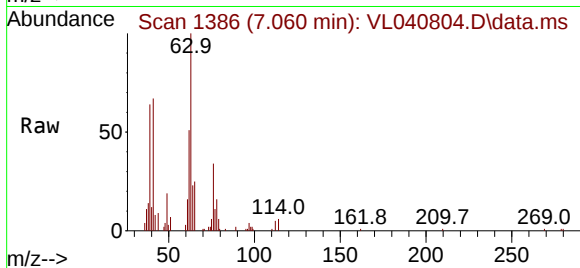
MDL-AIR-03-QT4-2023DL

Tgt Ion:	63	Resp:	37904
Ion	Ratio	Lower	Upper
63	100		
41	67.2	53.7	80.5
62	51.4	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: 0.588 ppbv m

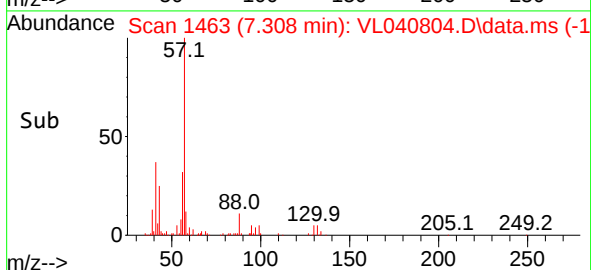
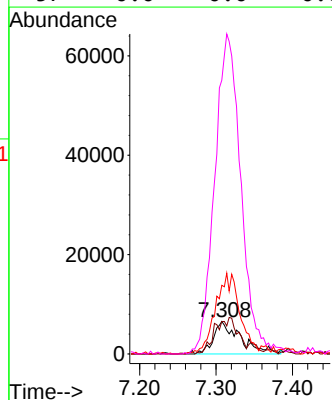
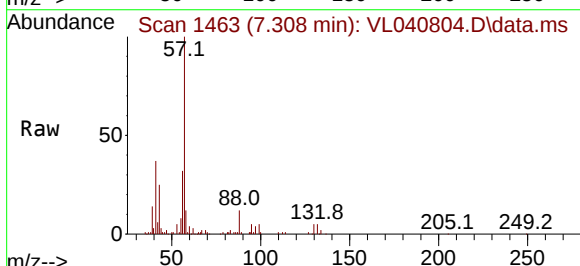
RT: 7.308 min Scan# 1463

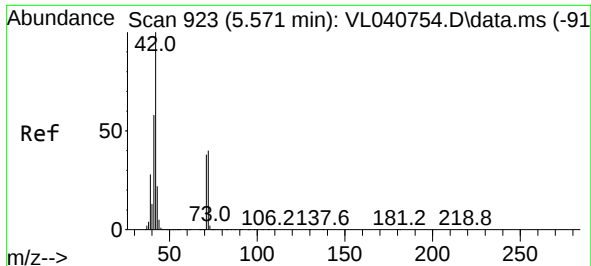
Delta R.T. 0.010 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Tgt Ion:	88	Resp:	16388
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





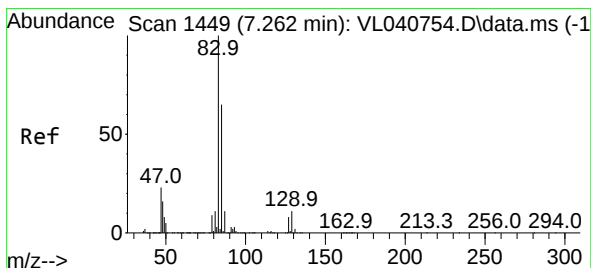
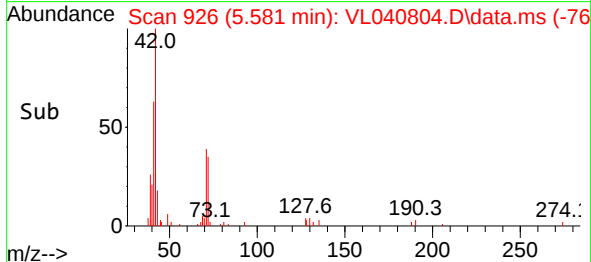
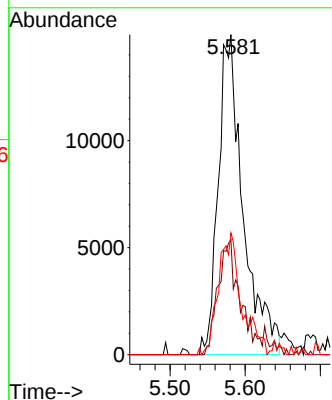
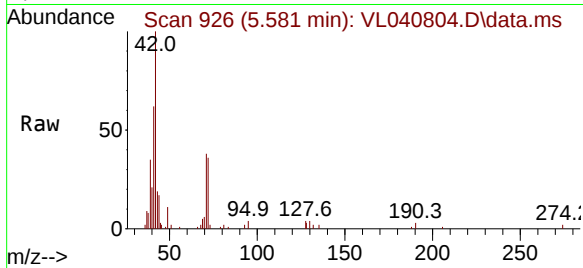
#41
Tetrahydrofuran
Concen: 0.449 ppbv m
RT: 5.581 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 42 Resp: 34520
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

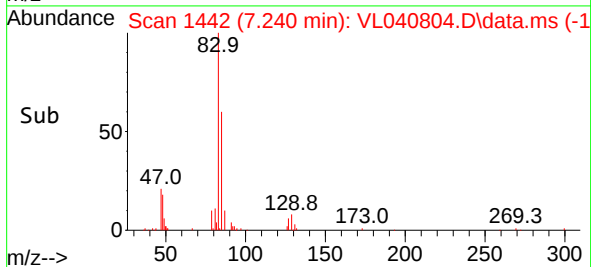
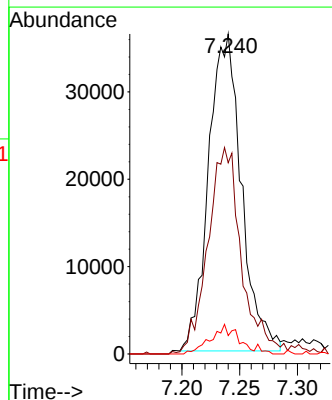
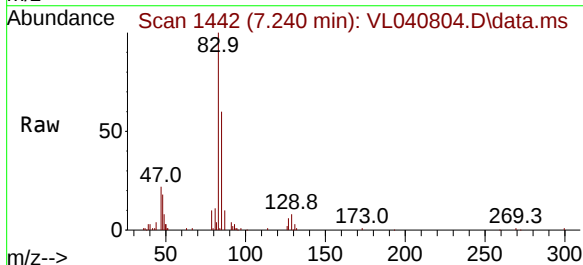
Manual Integrations
APPROVED

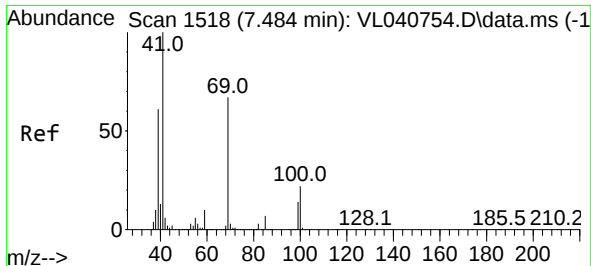
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#42
Bromodichloromethane
Concen: 0.497 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

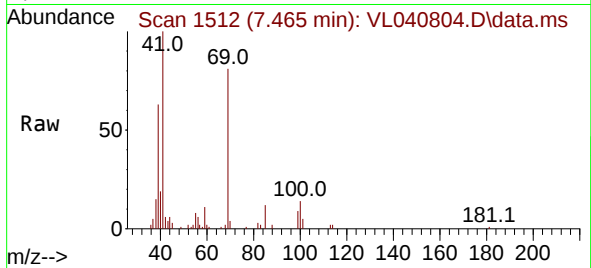
Tgt Ion: 83 Resp: 71891
Ion Ratio Lower Upper
83 100
85 59.6 52.1 78.1
127 5.8 6.7 10.1





#43
Methyl Methacrylate
Concen: 0.347 ppbv
RT: 7.465 min Scan# 1465
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

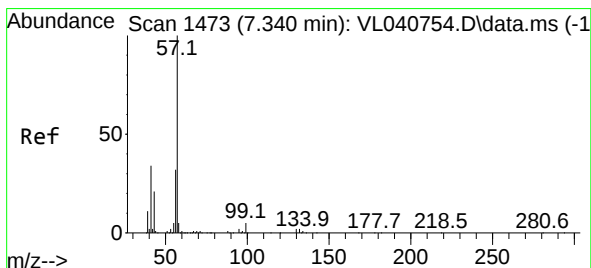
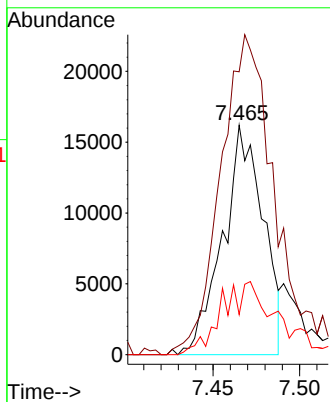
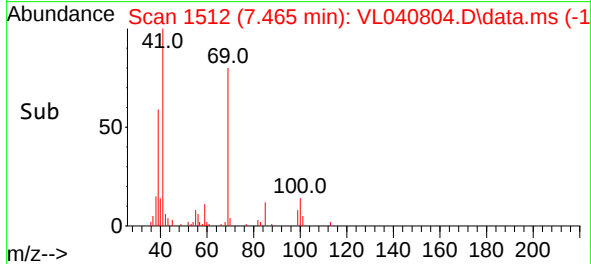
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 69 Resp: 2621
Ion Ratio Lower Upper
69 100
41 189.1 120.6 181.0
100 44.0 27.1 40.7

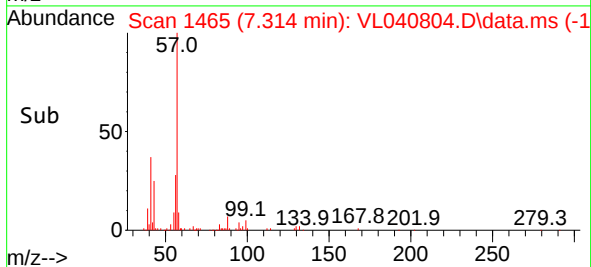
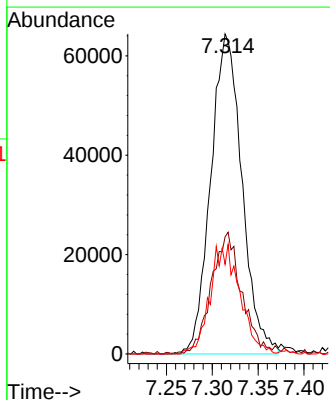
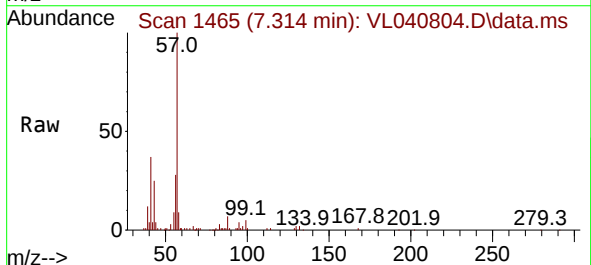
Manual Integrations
APPROVED

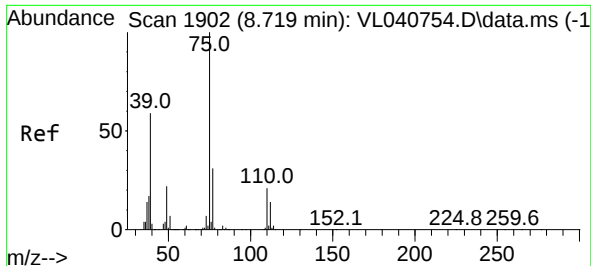
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#44
2,2,4-Trimethylpentane
Concen: 0.478 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

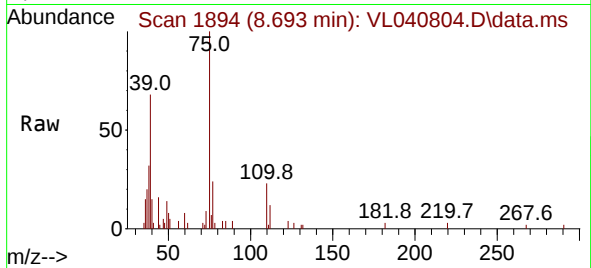
Tgt Ion: 57 Resp: 152443
Ion Ratio Lower Upper
57 100
41 37.5 27.4 41.0
56 33.1 25.0 37.6





#45
t-1,3-Dichloropropene
Concen: 0.299 ppbv m
RT: 8.693 min Scan# 1718
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

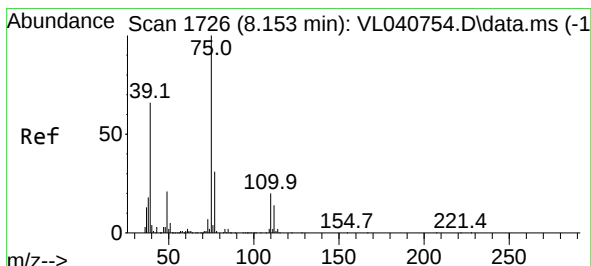
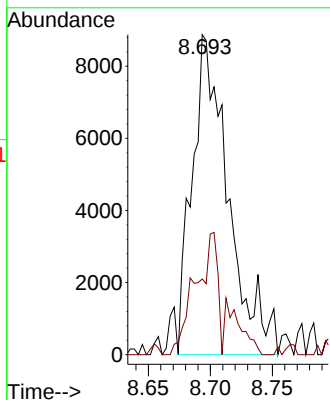
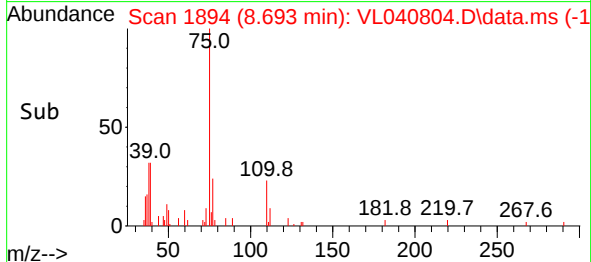
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 75 Resp: 17980
Ion Ratio Lower Upper
75 100
77 23.7 24.9 37.3

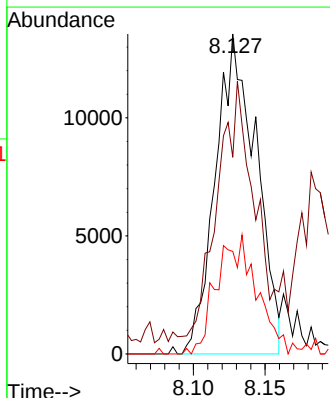
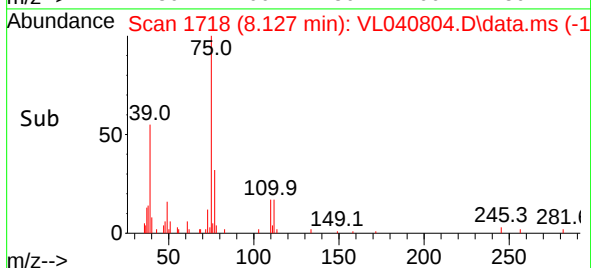
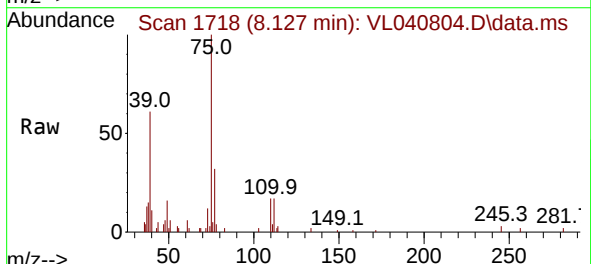
Manual Integrations
APPROVED

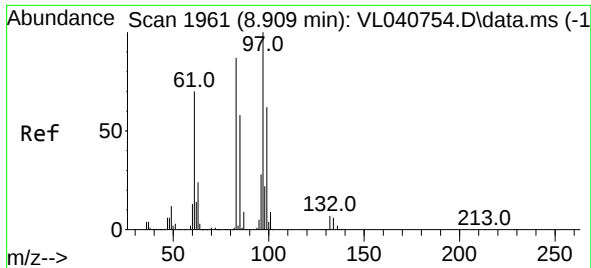
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#46
cis-1,3-Dichloropropene
Concen: 0.363 ppbv m
RT: 8.127 min Scan# 1718
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

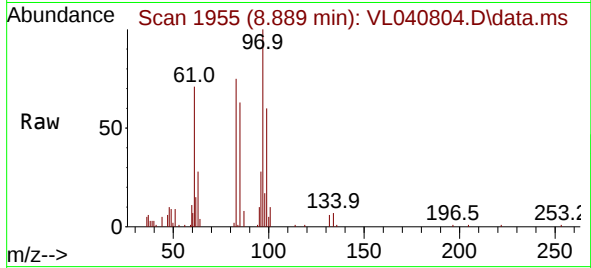
Tgt Ion: 75 Resp: 26720
Ion Ratio Lower Upper
75 100
39 61.5 52.4 78.6
77 32.1 25.1 37.7





#47
1,1,2-Trichloroethane
Concen: 0.497 ppbv m
RT: 8.889 min Scan# 1961
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

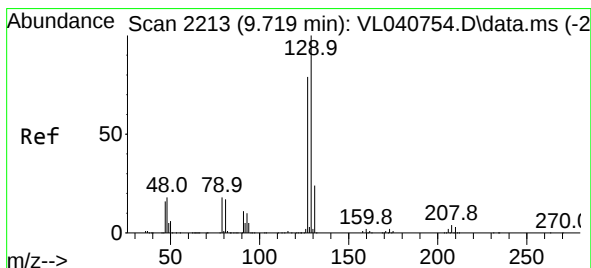
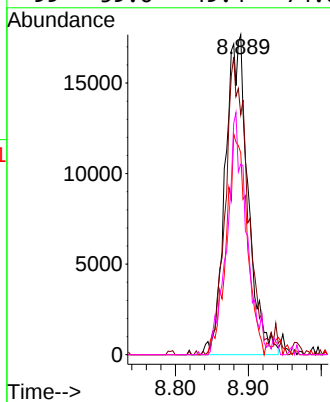
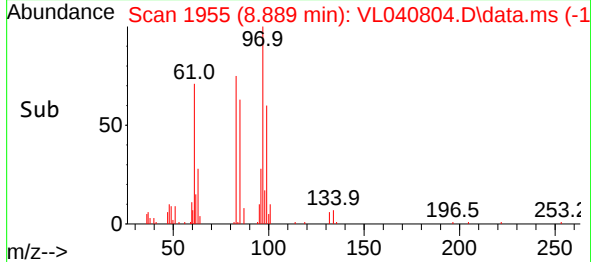
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



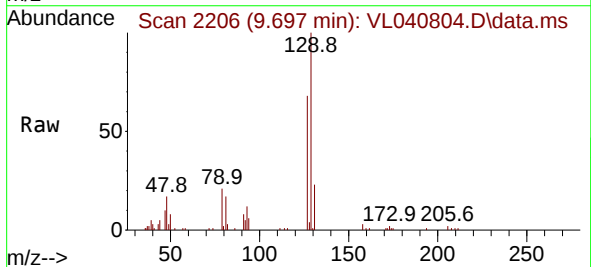
Tgt Ion: 97 Resp: 3844
Ion Ratio Lower Upper
97 100
83 75.0 69.5 104.3
85 63.1 46.6 69.8
99 59.6 49.4 74.0

Manual Integrations
APPROVED

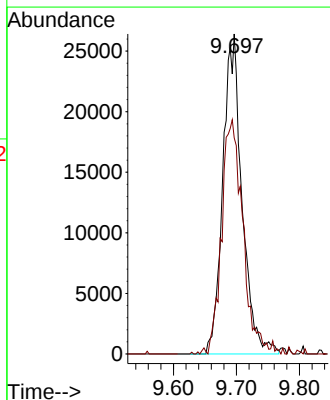
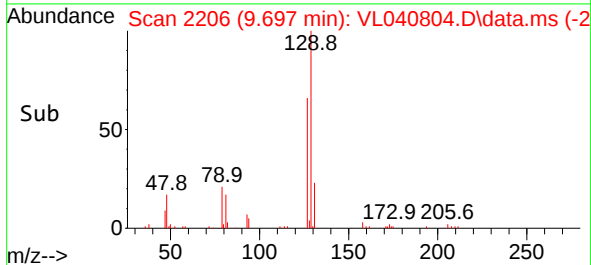
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

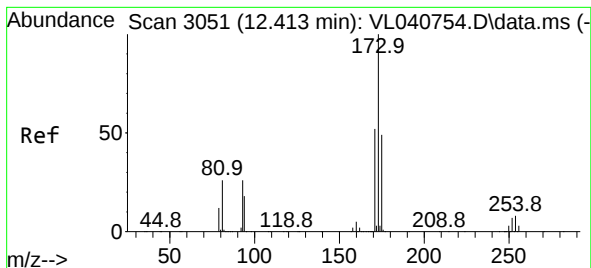


#48
Dibromochloromethane
Concen: 0.432 ppbv m
RT: 9.697 min Scan# 2206
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33



Tgt Ion:129 Resp: 55977
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#





#49

Bromoform

Concen: 0.383 ppbv m

RT: 12.391 min Scan# 3051

Delta R.T. -0.022 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

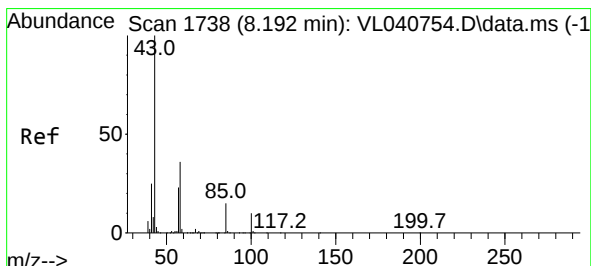
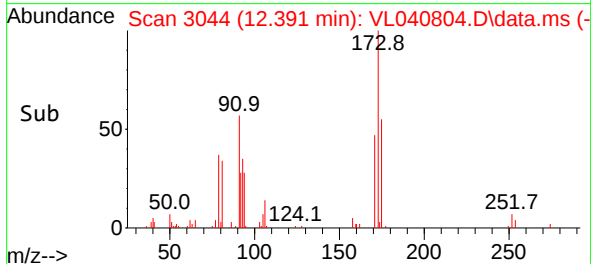
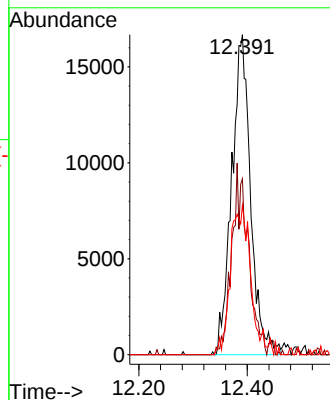
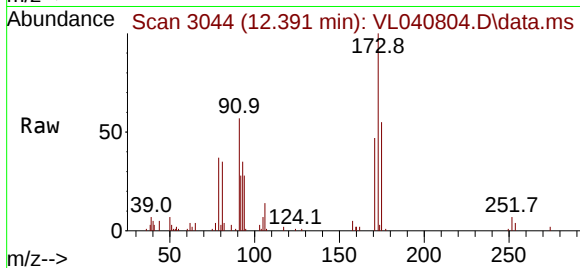
MDL-AIR-03-QT4-2023DL

Tgt Ion:173 Resp: 40329
 Ion Ratio Lower Upper
 173 100
 175 53.4 39.2 58.8
 171 50.4 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: 0.453 ppbv m

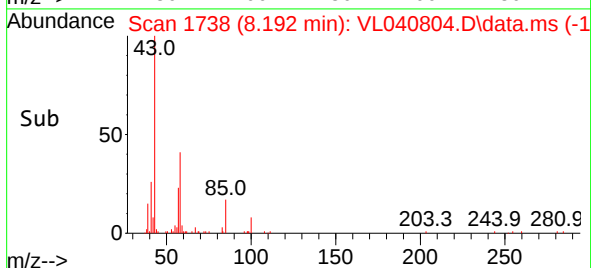
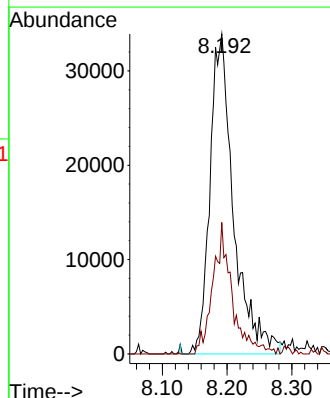
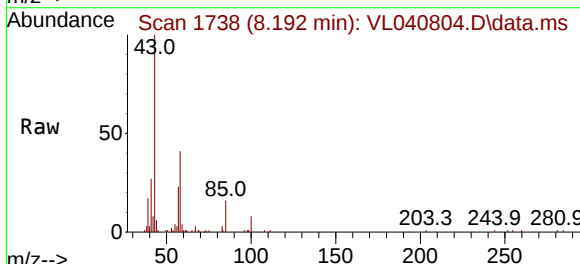
RT: 8.192 min Scan# 1738

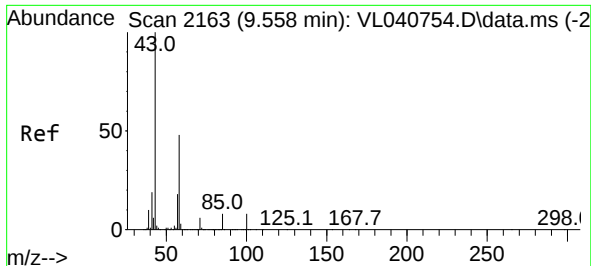
Delta R.T. 0.000 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

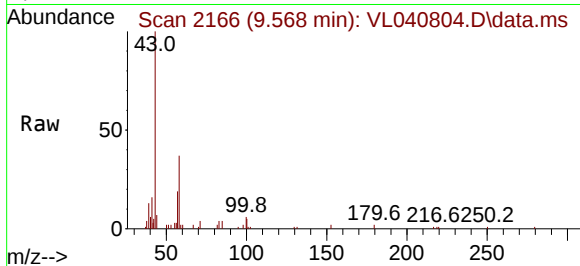
Tgt Ion: 43 Resp: 85958
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 43.2#





#51
2-Hexanone
Concen: 0.386 ppbv m
RT: 9.568 min Scan# 2163
Delta R.T. 0.010 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

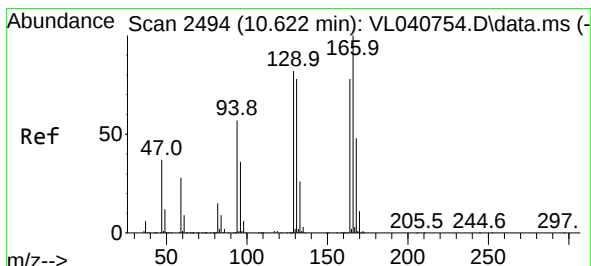
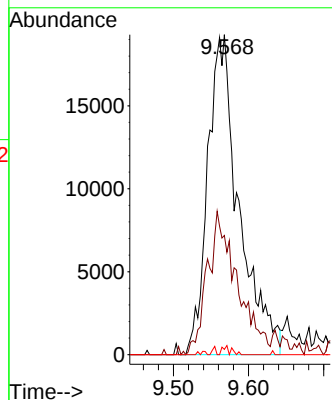
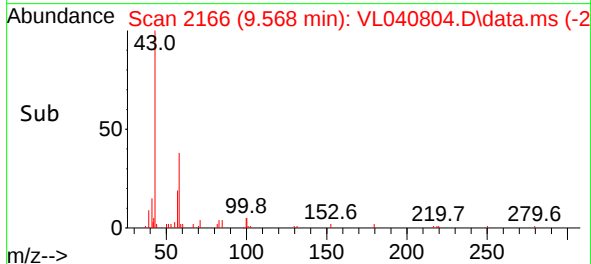
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 55784
Ion Ratio Lower Upper
43 100
58 0.0 38.6 58.0
98 0.0 0.0 0.0

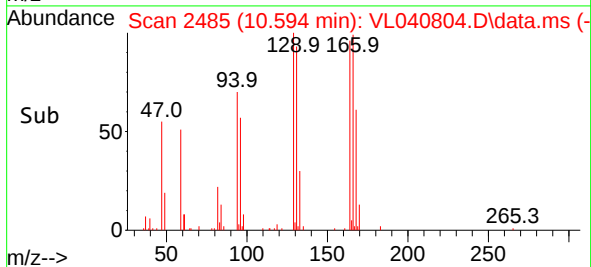
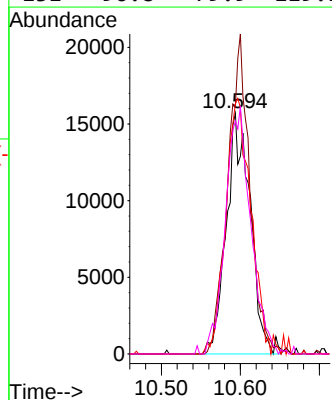
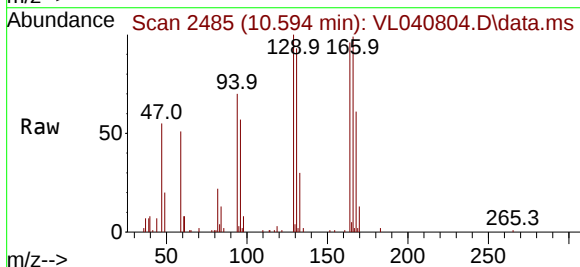
Manual Integrations
APPROVED

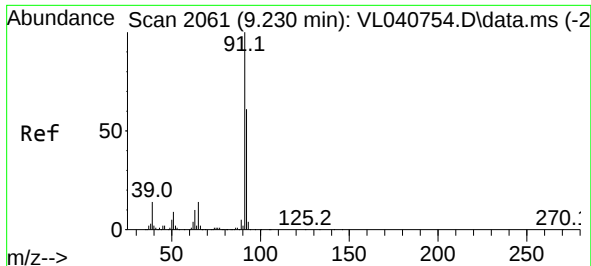
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.433 ppbv m
RT: 10.594 min Scan# 2485
Delta R.T. -0.029 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

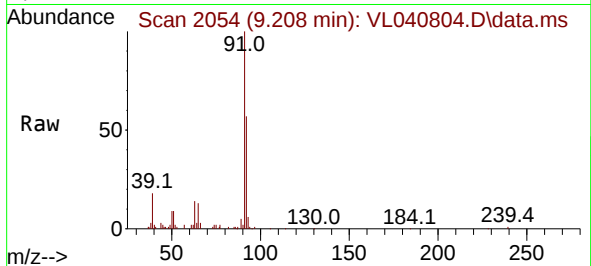
Tgt Ion:164 Resp: 33166
Ion Ratio Lower Upper
164 100
166 103.0 102.4 153.6
129 104.0 84.2 126.4
131 96.8 79.9 119.9





#53
Toluene
Concen: 0.414 ppbv m
RT: 9.208 min Scan# 2061
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

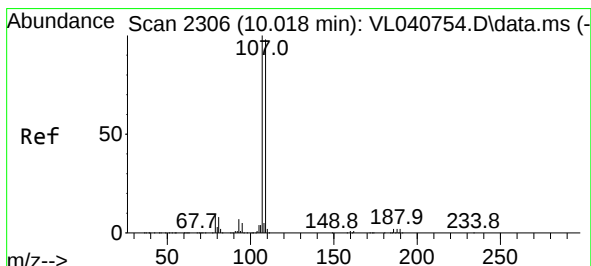
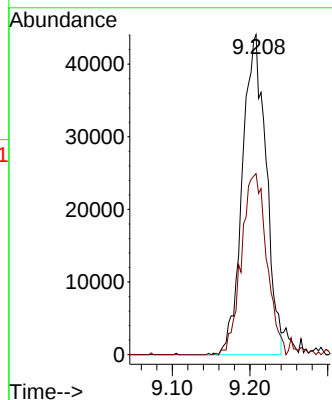
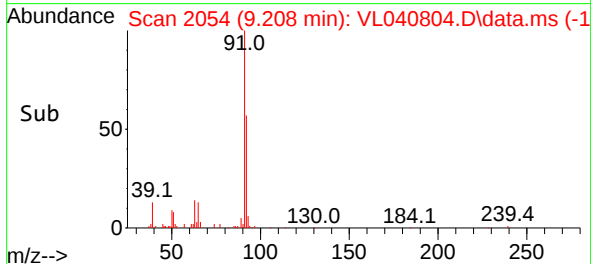
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 91 Resp: 92960
Ion Ratio Lower Upper
91 100
92 62.3 50.2 75.2

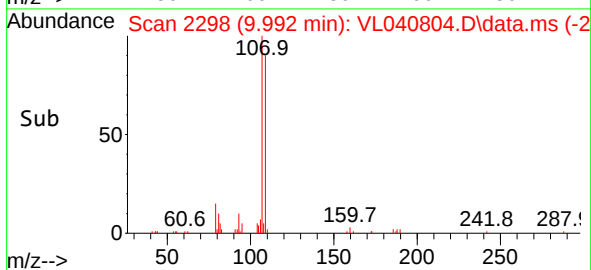
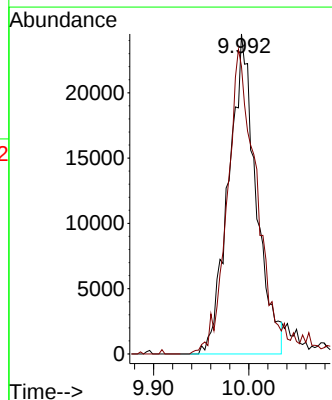
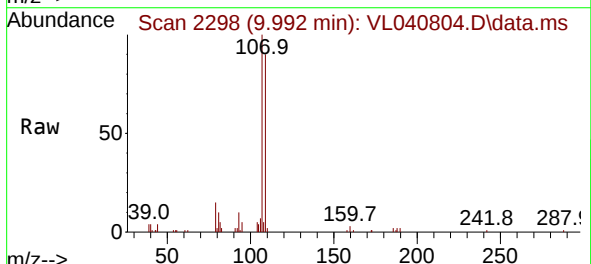
Manual Integrations
APPROVED

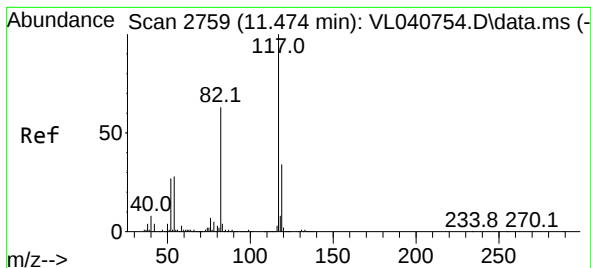
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#54
1,2-Dibromoethane
Concen: 0.453 ppbv m
RT: 9.992 min Scan# 2298
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

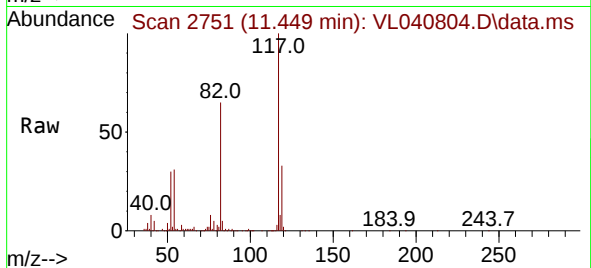
Tgt Ion:107 Resp: 49135
Ion Ratio Lower Upper
107 100
109 89.8 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

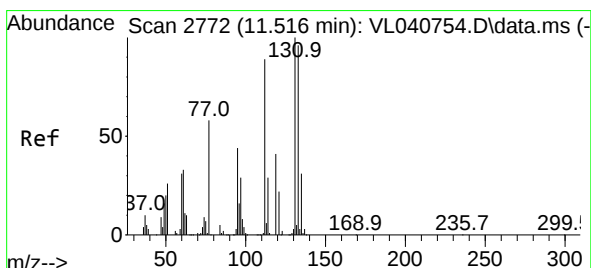
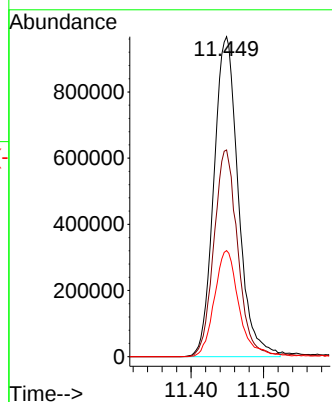
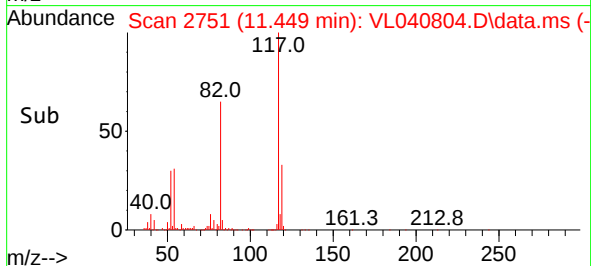
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



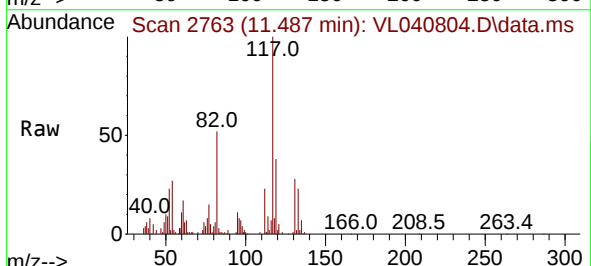
Tgt Ion:117 Resp: 2262749
Ion Ratio Lower Upper
117 100
82 64.6 46.6 70.0
119 33.8 26.0 39.0

Manual Integrations
APPROVED

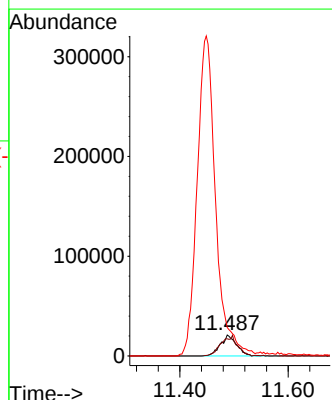
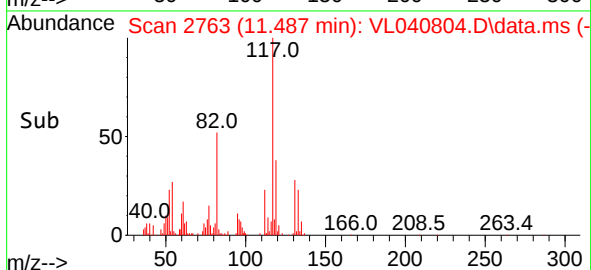
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

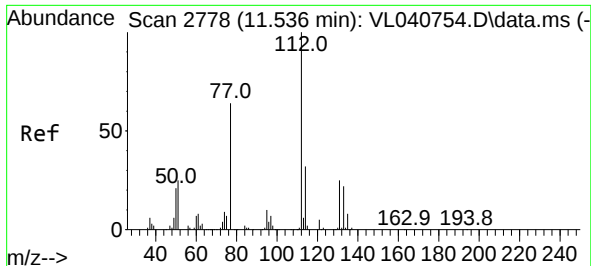


#56
1,1,1,2-Tetrachloroethane
Concen: 0.475 ppbv m
RT: 11.487 min Scan# 2763
Delta R.T. -0.029 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33



Tgt Ion:131 Resp: 43833
Ion Ratio Lower Upper
131 100
133 99.5 75.0 112.6
119 0.0 45.4 68.0#





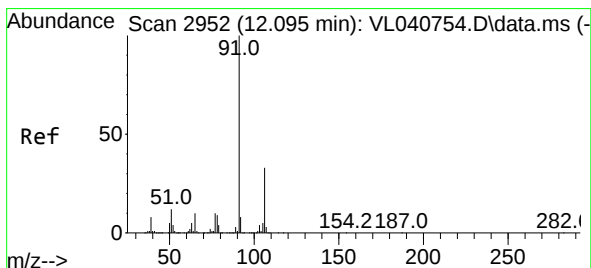
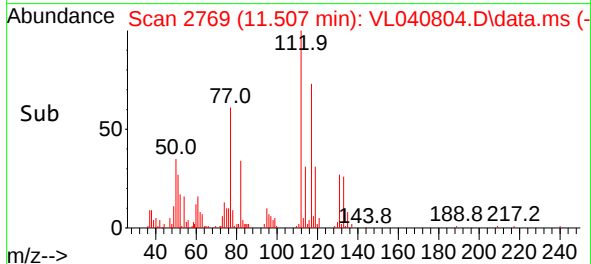
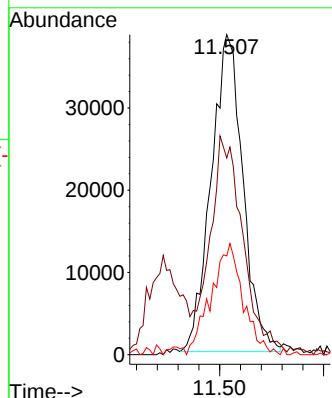
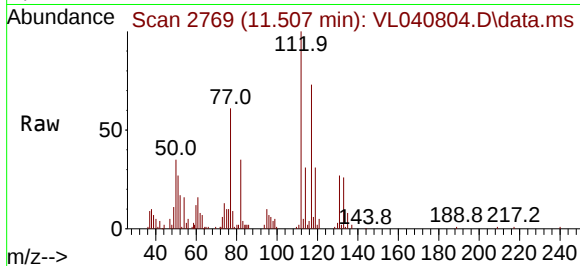
#57
Chlorobenzene
Concen: 0.506 ppbv
RT: 11.507 min Scan# 2111
Delta R.T. -0.029 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 112 Resp: 82059
Ion Ratio Lower Upper
112 100
77 59.4 51.9 77.9
114 31.5 28.6 35.0

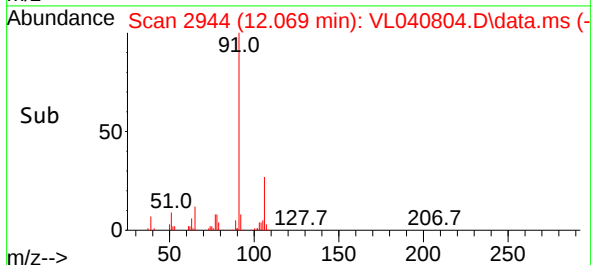
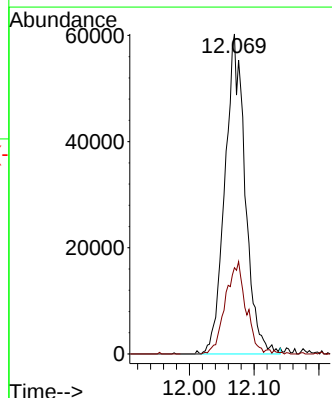
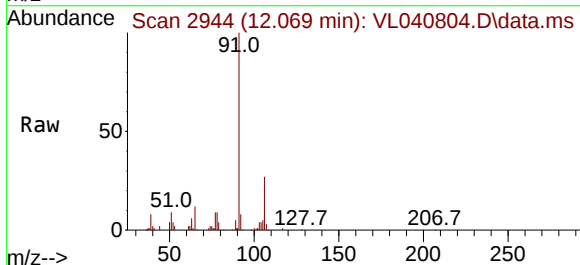
Manual Integrations
APPROVED

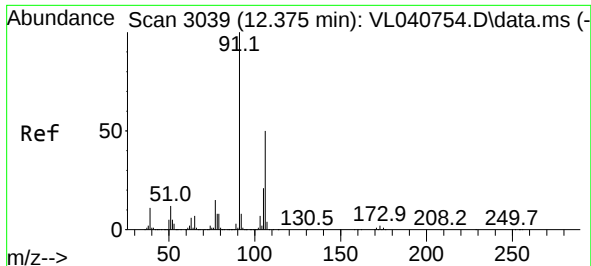
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#58
Ethyl Benzene
Concen: 0.461 ppbv m
RT: 12.069 min Scan# 2944
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 91 Resp: 131466
Ion Ratio Lower Upper
91 100
106 26.9 26.7 40.1





#59

m/p-Xylene

Concen: 0.961 ppbv m

RT: 12.349 min Scan# 3039

Delta R.T. -0.026 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 225389

Ion Ratio Lower Upper

91 100

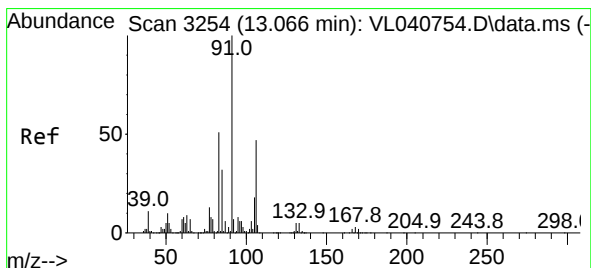
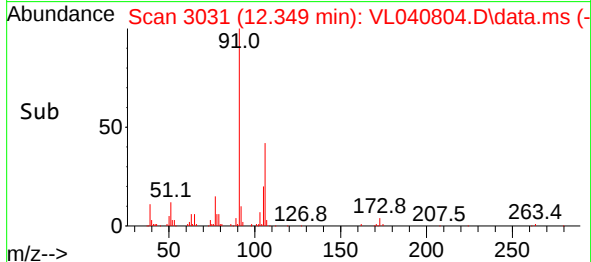
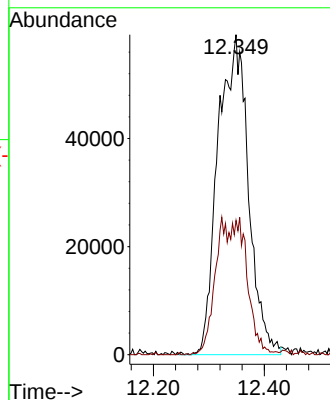
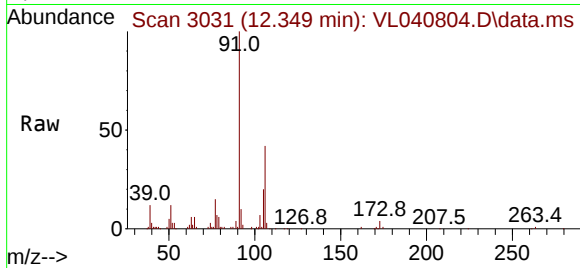
106 0.0 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#60

o-Xylene

Concen: 0.462 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.026 min

Lab File: VL040804.D

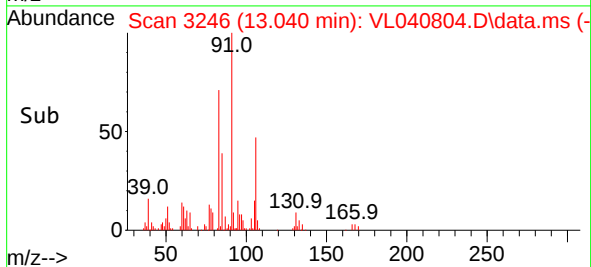
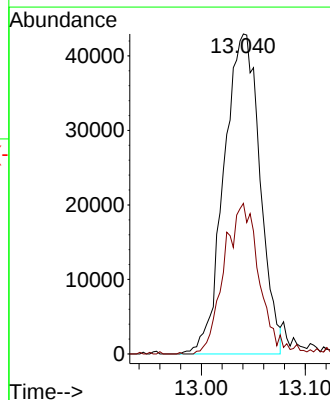
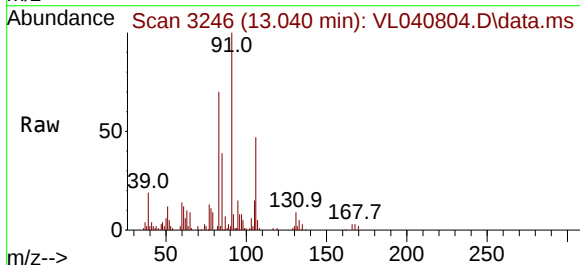
Acq: 25 Oct 2023 17:33

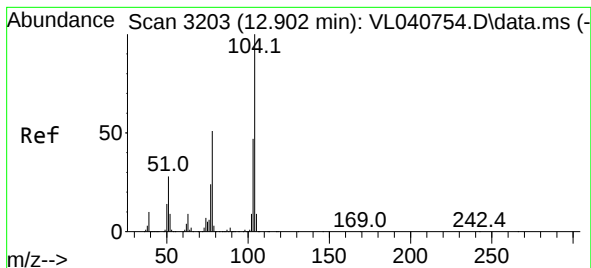
Tgt Ion: 91 Resp: 103152

Ion Ratio Lower Upper

91 100

106 46.7 23.5 70.5





#61

Styrene

Concen: 0.388 ppbv m

RT: 12.876 min Scan# 3195

Delta R.T. -0.026 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

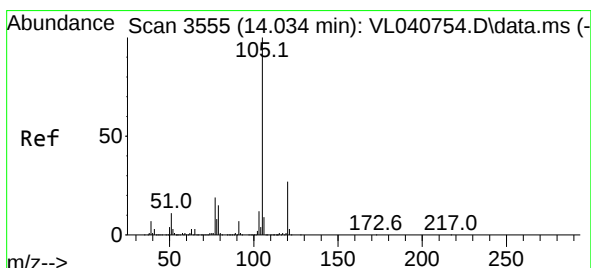
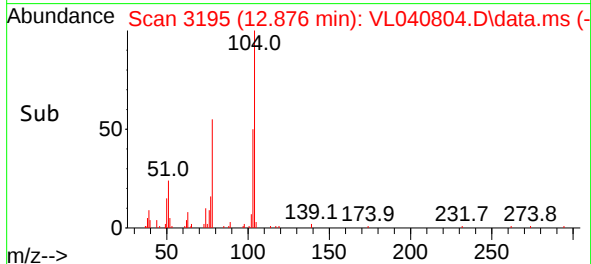
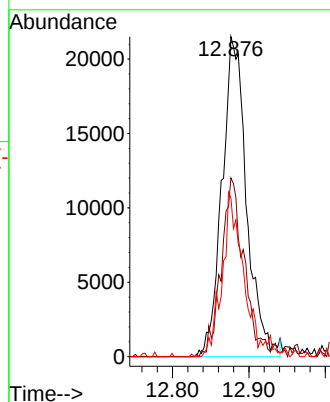
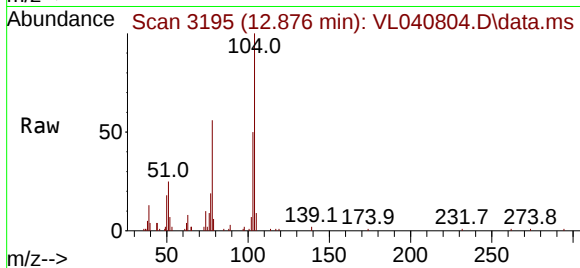
MDL-AIR-03-QT4-2023DL

Tgt Ion:104	Resp:	48014
Ion Ratio	Lower	Upper
104	100	
78	52.3	39.8 59.6
103	45.9	37.5 56.3

Manual Integrations

APPROVED

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



#62

Isopropylbenzene

Concen: 0.478 ppbv

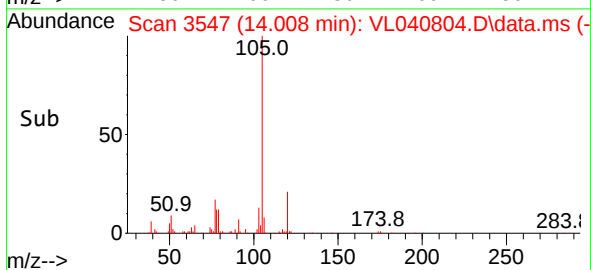
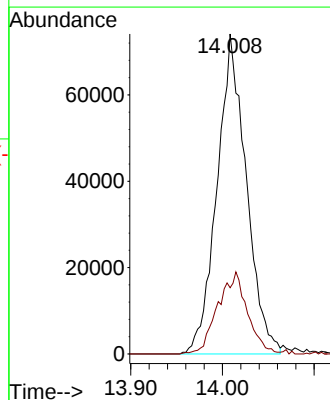
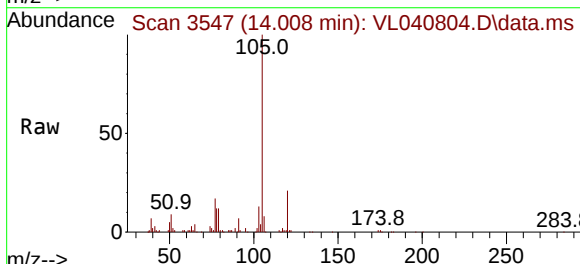
RT: 14.008 min Scan# 3547

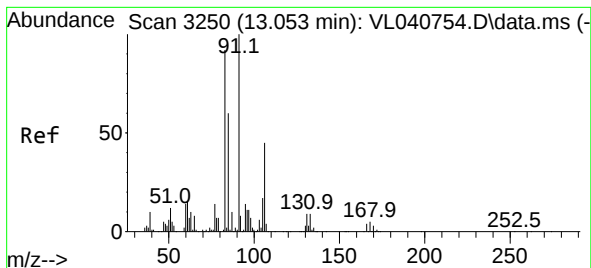
Delta R.T. -0.026 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

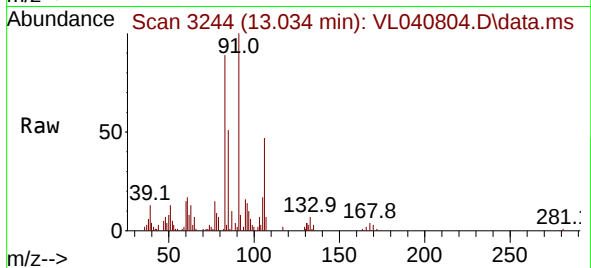
Tgt Ion:105	Resp:	164166
Ion Ratio	Lower	Upper
105	100	
120	26.3	21.5 32.3





#63
1,1,2,2-Tetrachloroethane
Concen: 0.529 ppbv m
RT: 13.034 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

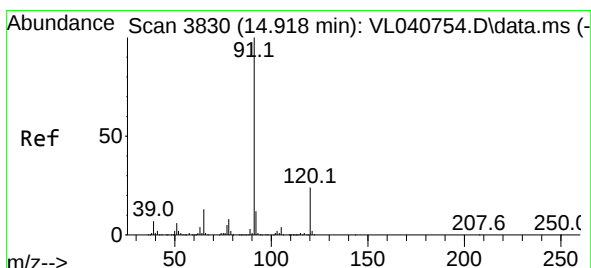
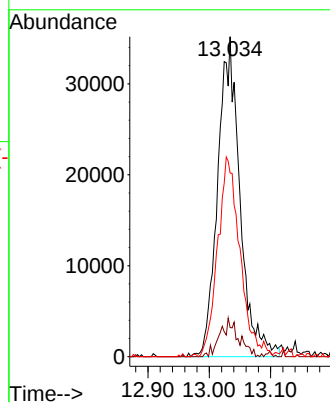
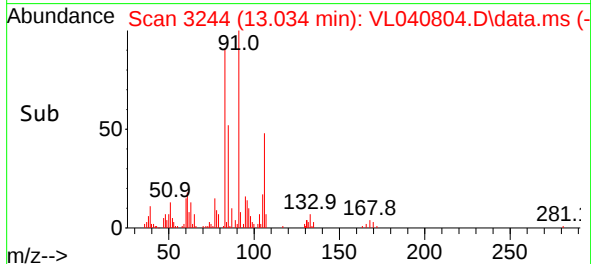
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 83 Resp: 8858
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6
85 0.0 32.9 98.7

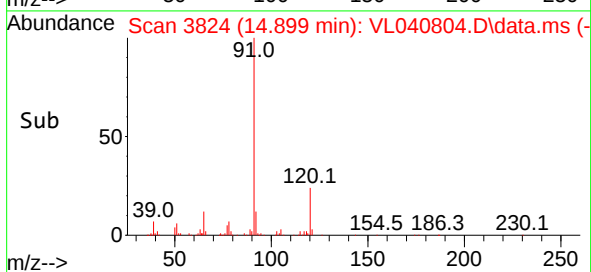
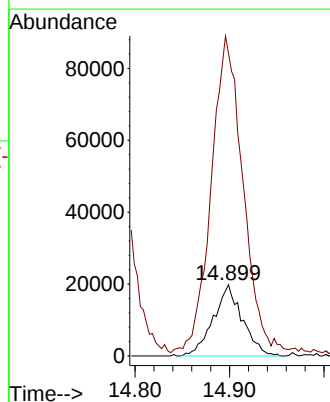
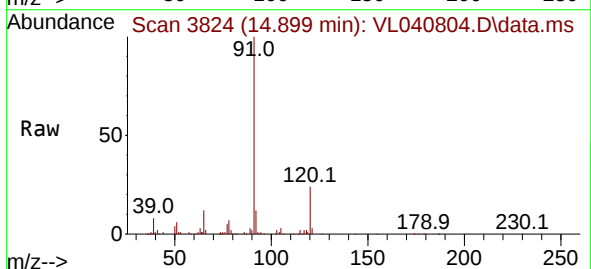
Manual Integrations
APPROVED

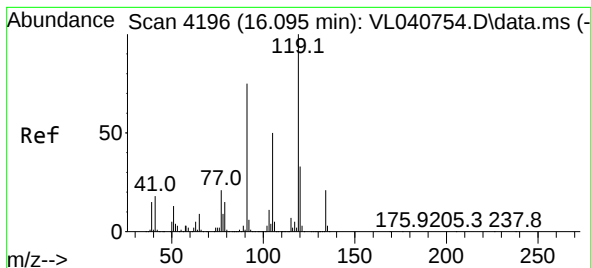
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#64
n-propylbenzene
Concen: 0.458 ppbv
RT: 14.899 min Scan# 3824
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion:120 Resp: 42285
Ion Ratio Lower Upper
120 100
91 513.6 345.9 518.9





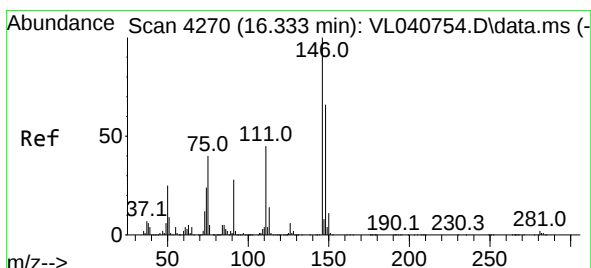
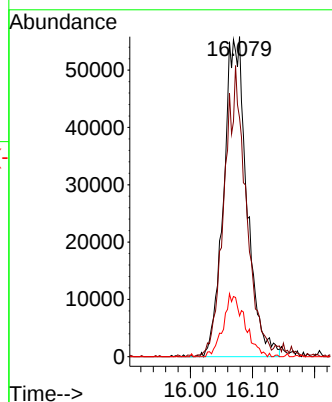
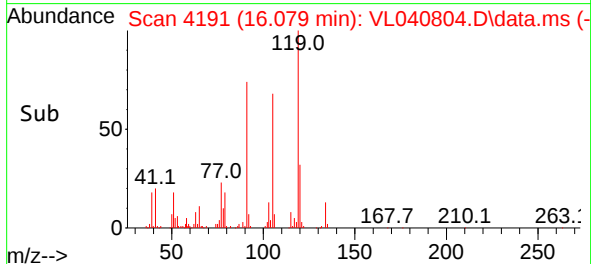
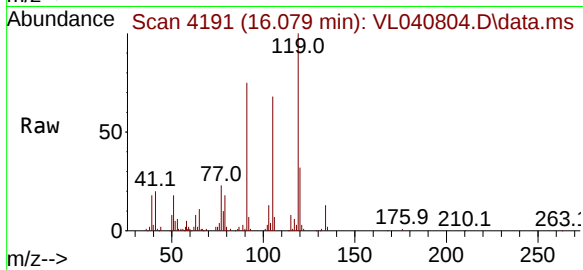
#65
tert-Butylbenzene
Concen: 0.468 ppbv m
RT: 16.079 min Scan# 4196
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 119 Resp: 14506
Ion Ratio Lower Upper
119 100
91 0.0 62.2 93.2
134 18.2 16.1 24.1

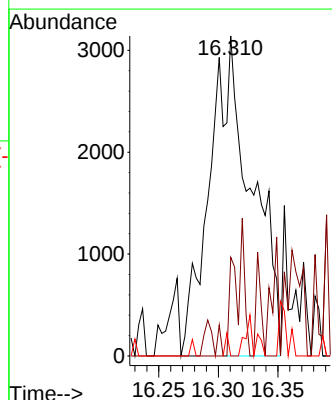
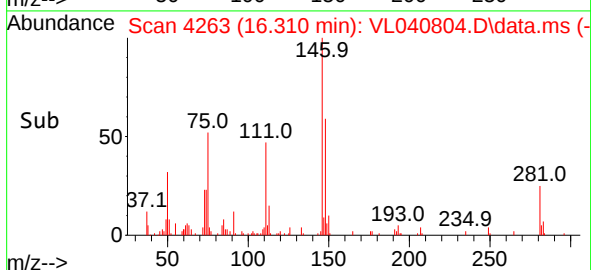
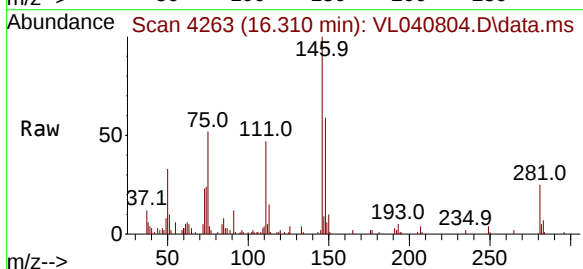
Manual Integrations
APPROVED

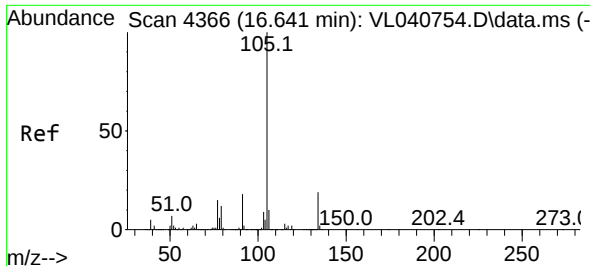
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#66
Benzyl Chloride
Concen: 0.247 ppbv m
RT: 16.310 min Scan# 4263
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 91 Resp: 7705
Ion Ratio Lower Upper
91 100
126 2.0 16.1 24.1#
128 0.4 5.2 7.8#





#67

sec-Butylbenzene

Concen: 0.479 ppbv

RT: 16.616 min Scan# 41

Delta R.T. -0.026 min

Lab File: VL040804.D

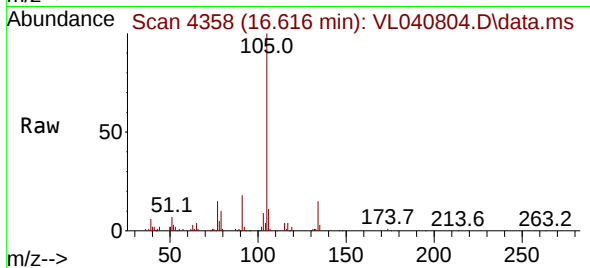
Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 203450

Ion Ratio Lower Upper

105 100

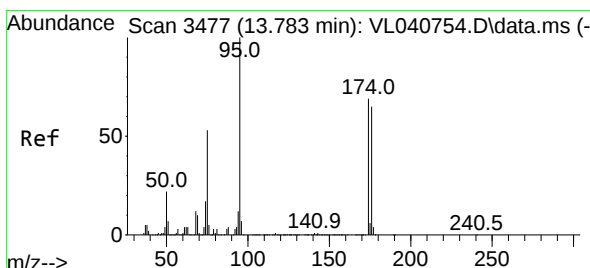
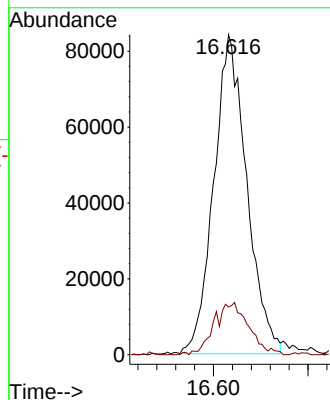
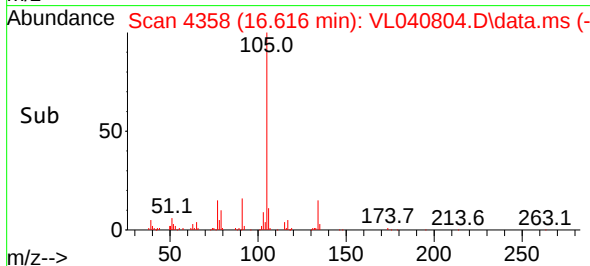
134 17.3 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.902 ppbv

RT: 13.754 min Scan# 3468

Delta R.T. -0.029 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

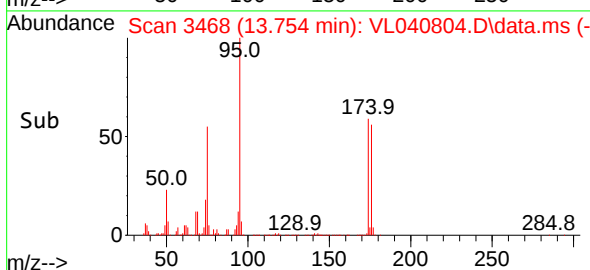
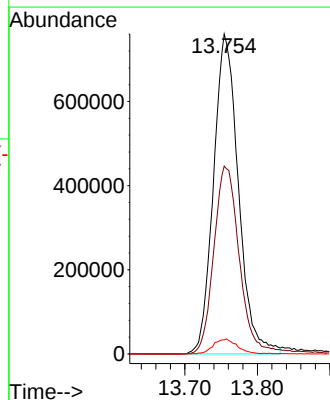
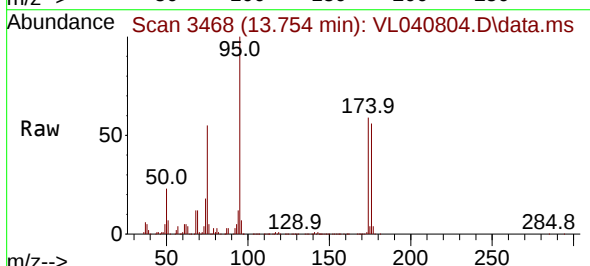
Tgt Ion: 95 Resp: 1815217

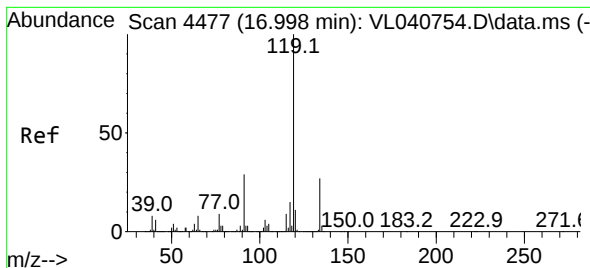
Ion Ratio Lower Upper

95 100

174 61.7 54.7 82.1

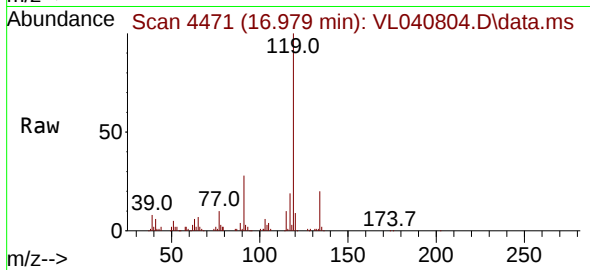
175 4.6 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.444 ppbv m
RT: 16.979 min Scan# 4477
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

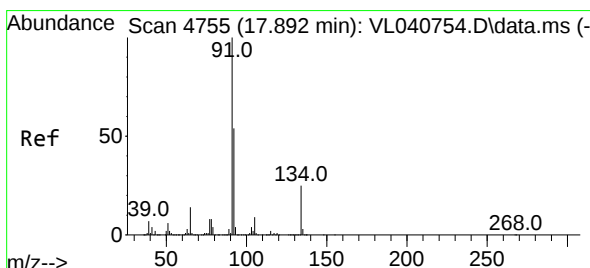
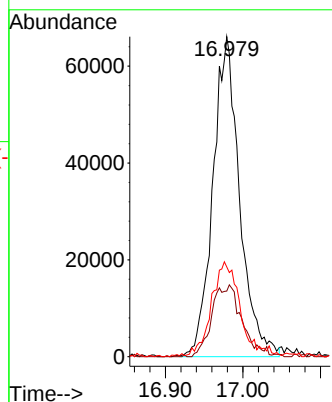
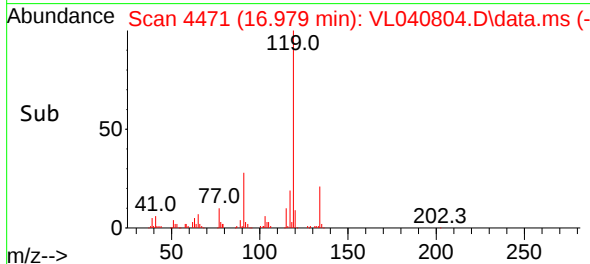
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:119 Resp: 158048
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4
91 0.0 22.8 34.2

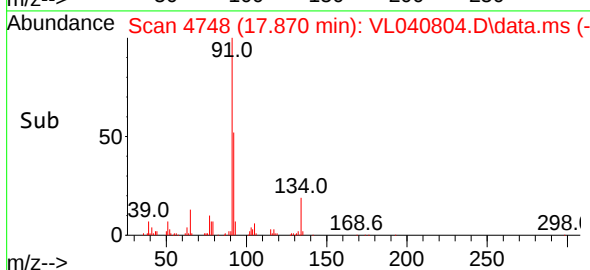
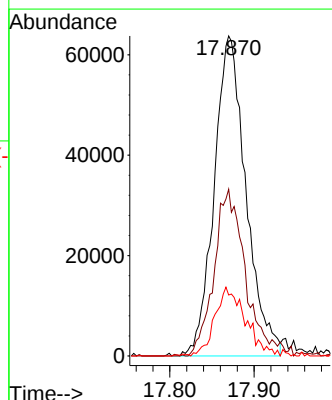
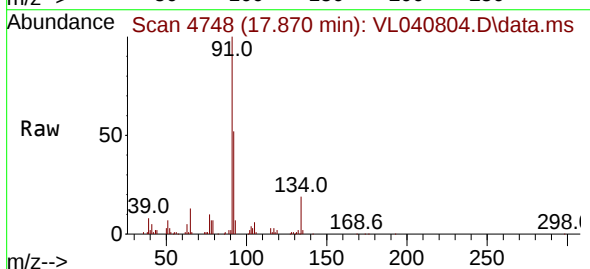
Manual Integrations
APPROVED

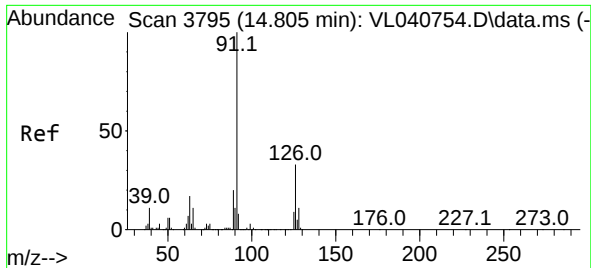
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#70
n-Butylbenzene
Concen: 0.478 ppbv
RT: 17.870 min Scan# 4748
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion: 91 Resp: 166938
Ion Ratio Lower Upper
91 100
92 52.1 44.1 66.1
134 21.2 19.5 29.3





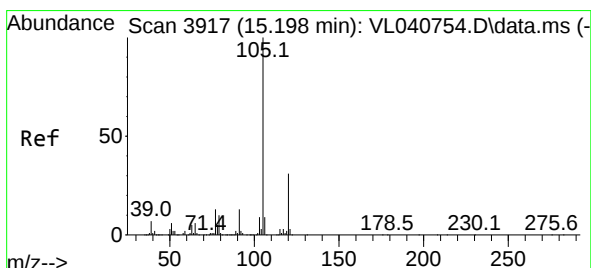
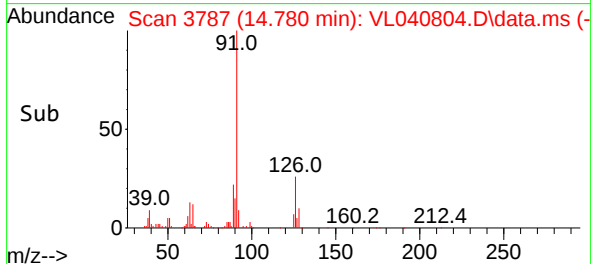
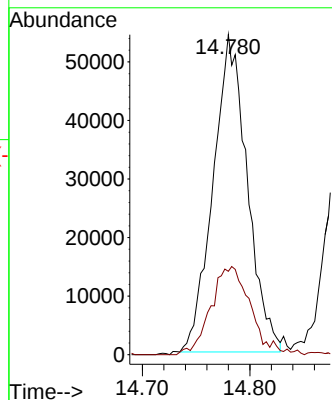
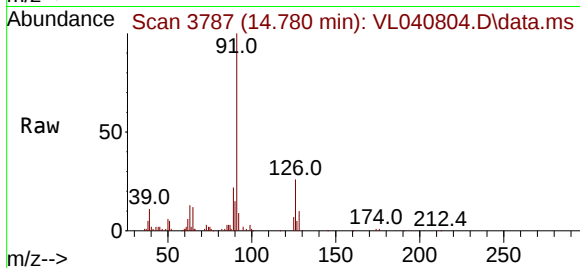
#71
2-Chlorotoluene
Concen: 0.464 ppbv
RT: 14.780 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

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

Tgt Ion: 91 Resp: 119772
Ion Ratio Lower Upper
91 100
126 33.1 13.3 53.1

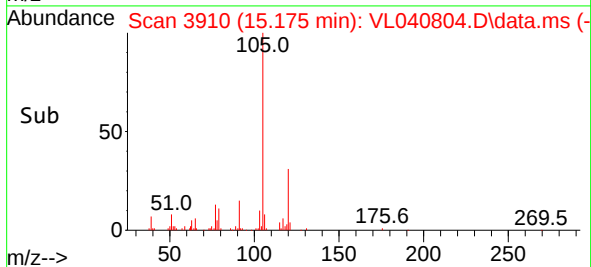
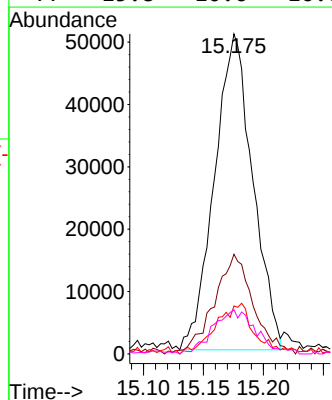
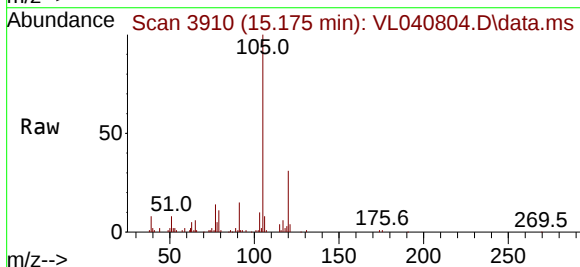
Manual Integrations
APPROVED

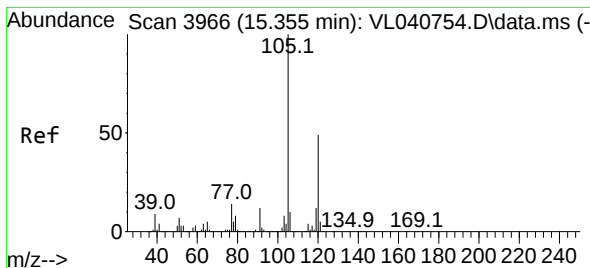
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#72
4-Ethyltoluene
Concen: 0.430 ppbv
RT: 15.175 min Scan# 3910
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

Tgt Ion:105 Resp: 112414
Ion Ratio Lower Upper
105 100
120 33.3 25.0 37.4
91 17.9 9.8 14.8#
77 15.8 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 0.444 ppbv

RT: 15.336 min Scan# 3966

Delta R.T. -0.019 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 102358

Ion Ratio Lower Upper

105 100

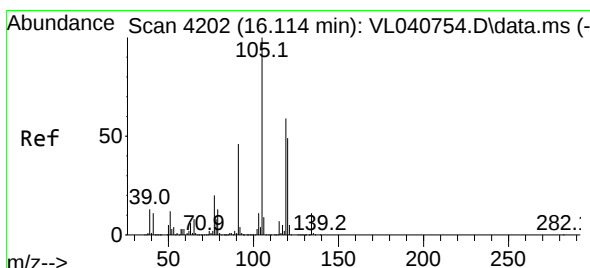
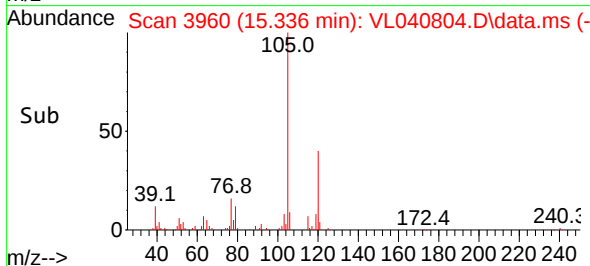
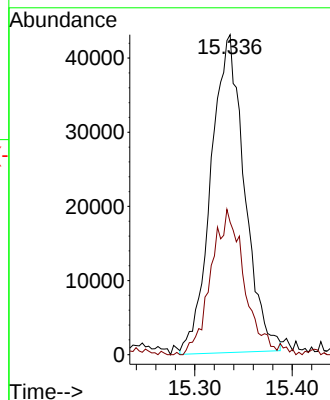
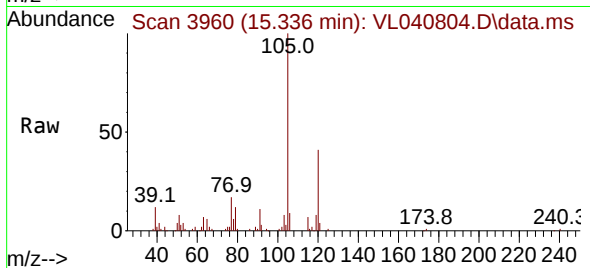
120 45.6 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.466 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. -0.029 min

Lab File: VL040804.D

Acq: 25 Oct 2023 17:33

Tgt Ion:105 Resp: 117157

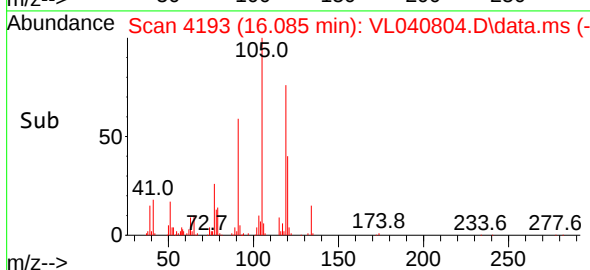
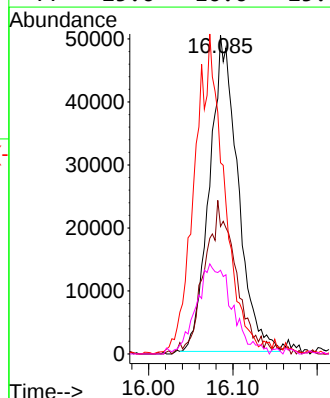
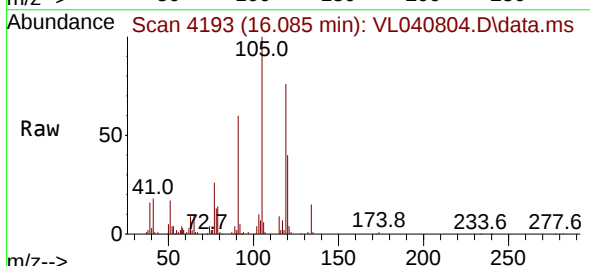
Ion Ratio Lower Upper

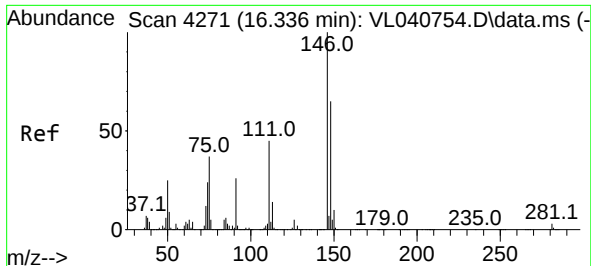
105 100

120 42.9 39.4 59.2

91 58.3 38.6 58.0#

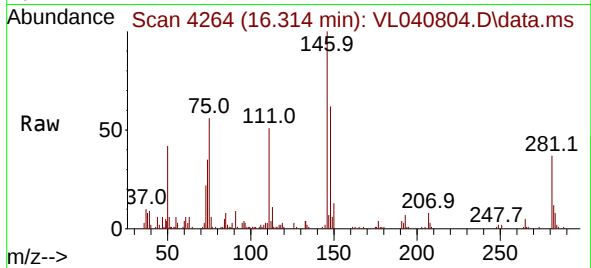
77 25.6 16.6 25.0#





#75
1,3-Dichlorobenzene
Concen: 0.422 ppbv
RT: 16.314 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

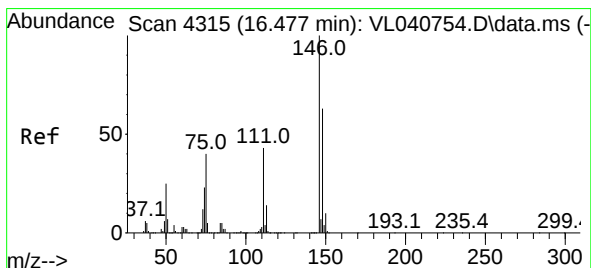
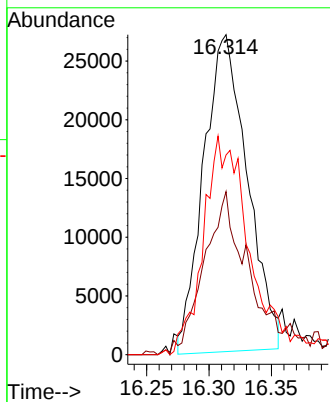
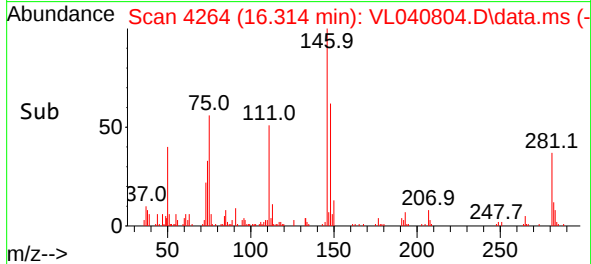
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



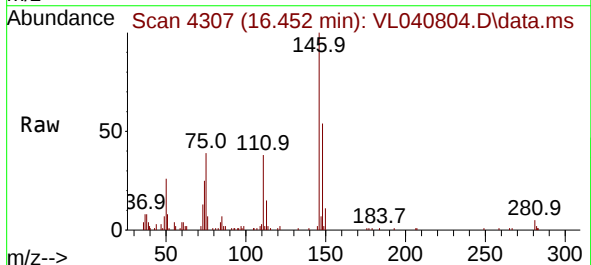
Tgt Ion:146 Resp: 66032
Ion Ratio Lower Upper
146 100
111 56.5 22.6 67.7
148 74.3 32.4 97.0

Manual Integrations
APPROVED

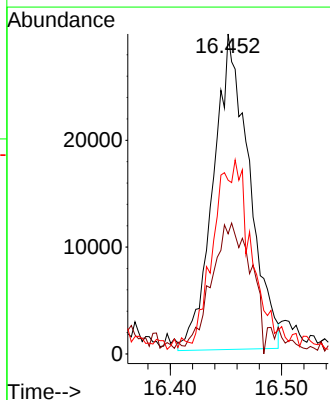
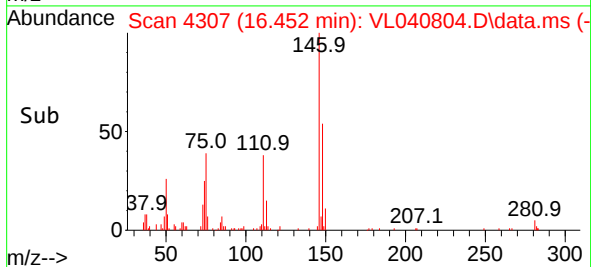
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

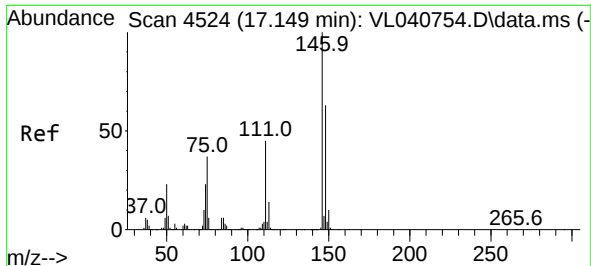


#76
1,4-Dichlorobenzene
Concen: 0.426 ppbv
RT: 16.452 min Scan# 4307
Delta R.T. -0.026 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33



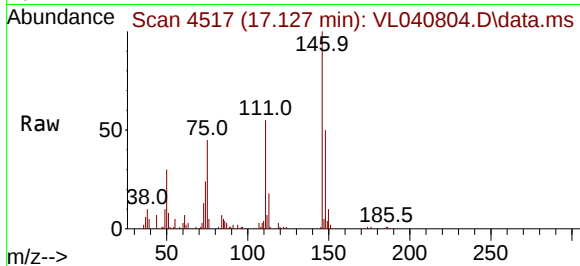
Tgt Ion:146 Resp: 66064
Ion Ratio Lower Upper
146 100
111 53.2 22.0 66.0
148 74.9 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.437 ppbv
RT: 17.127 min Scan# 41
Delta R.T. -0.022 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

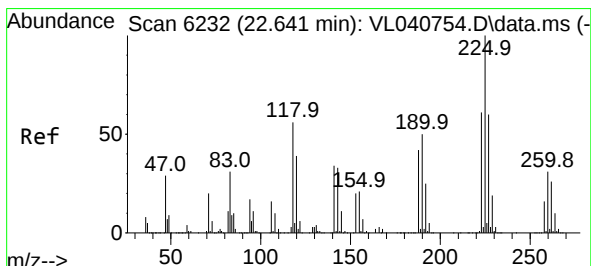
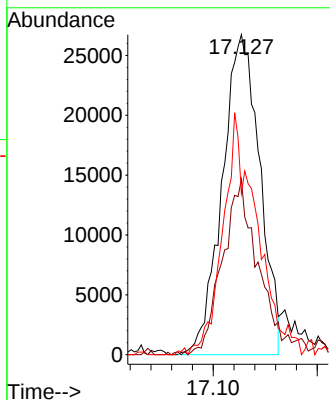
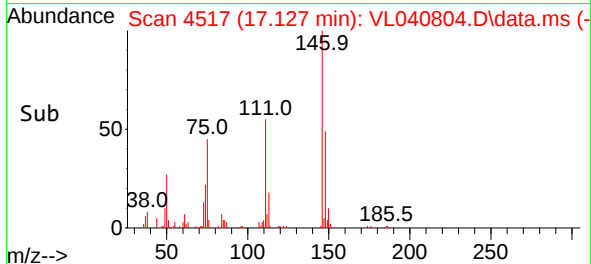
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 67140
Ion Ratio Lower Upper
146 100
111 51.7 22.9 68.8
148 69.6 32.3 96.8

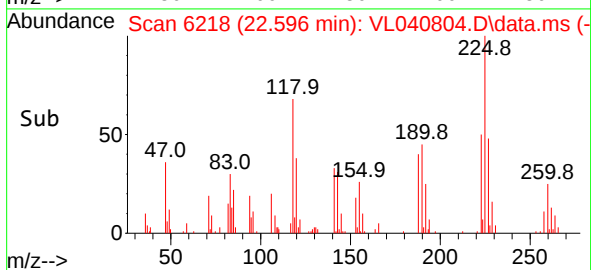
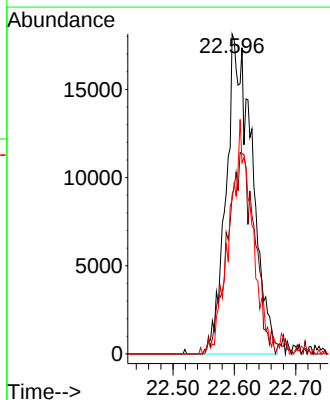
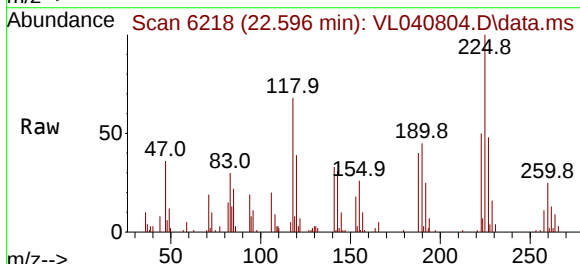
Manual Integrations
APPROVED

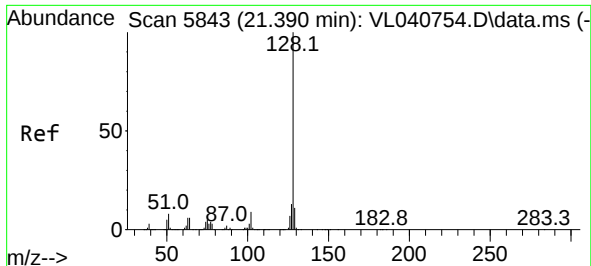
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.488 ppbv m
RT: 22.596 min Scan# 6218
Delta R.T. -0.045 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

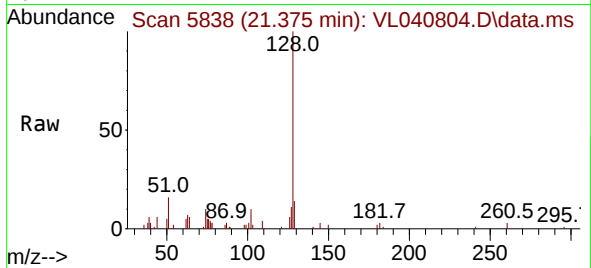
Tgt Ion:225 Resp: 53575
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.4 77.0#





#79
Naphthalene
Concen: 0.230 ppbv m
RT: 21.375 min Scan# 5838
Delta R.T. -0.016 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33

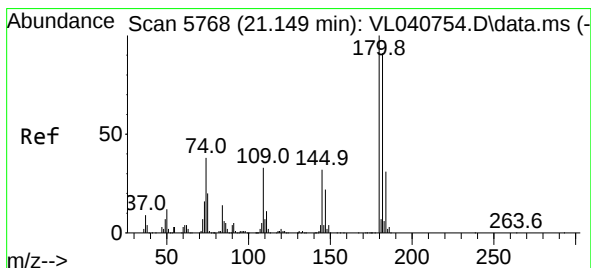
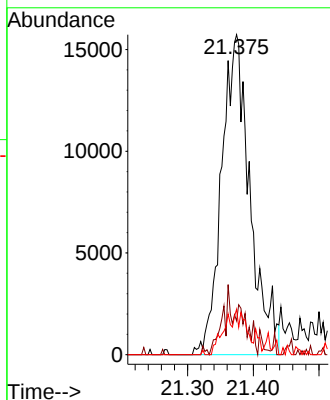
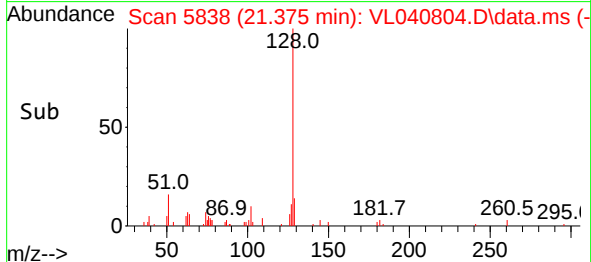
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



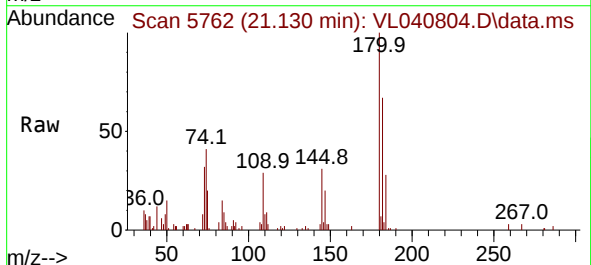
Tgt Ion:128 Resp: 47074
Ion Ratio Lower Upper
128 100
127 10.6 10.6 15.8#
129 14.2 9.0 13.4#

Manual Integrations
APPROVED

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



#81
1,2,4-Trichlorobenzene
Concen: 0.316 ppbv m
RT: 21.130 min Scan# 5762
Delta R.T. -0.019 min
Lab File: VL040804.D
Acq: 25 Oct 2023 17:33



Tgt Ion:180 Resp: 35152
Ion Ratio Lower Upper
180 100
182 0.0 77.9 116.9#
184 0.0 25.0 37.6#

