

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040802.D
 Acq On : 25 Oct 2023 16:15
 Operator : SY/MD
 Sample : 04699-15 0.40 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 03:52:57 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	947881	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2537041	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2358666	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1837292 10.586 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	83786	0.502	ppbv	98
3) Chlorodifluoromethane	2.694	51	69244	0.497	ppbv	92
4) Chloromethane	2.829	50	24184	0.440	ppbv	96
5) Vinyl Chloride	2.938	62	23810	0.419	ppbv	100
6) Bromomethane	3.131	94	9702	0.413	ppbv #	80
7) Chloroethane	3.214	64	8093m	0.437	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	59953	0.474	ppbv	96
9) Propene	2.706	41	23717	0.458	ppbv	100
10) Heptane	7.574	43	51551m	0.397	ppbv	
11) Trichlorofluoromethane	3.568	101	61858	0.480	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	42883m	0.467	ppbv	
13) Ethanol	3.269	45	6988m	0.598	ppbv	
14) Bromoethene	3.378	108	17570m	0.446	ppbv	
15) Acetone	3.491	43	63723	0.650	ppbv	94
16) 1,3-Butadiene	2.999	39	22400	0.436	ppbv	93
17) tert-Butyl alcohol	3.899	59	37632	0.375	ppbv	98
18) 1,1-Dichloroethene	3.890	96	18219	0.442	ppbv #	90
19) Isopropyl Alcohol	3.603	45	25599	0.406	ppbv #	42
20) Methylene Chloride	3.941	84	24784	0.607	ppbv	90
21) Allyl Chloride	4.005	41	24101	0.373	ppbv #	72
22) trans-1,2-Dichloroethene	4.452	96	19389m	0.442	ppbv	
23) Vinyl Acetate	4.632	43	36738	0.294	ppbv #	94
24) 1,1-Dichloroethane	4.562	63	41380m	0.439	ppbv	
25) Ethyl Acetate	5.211	43	91057	0.424	ppbv	97
26) Hexane	5.211	57	46642m	0.475	ppbv	
27) Carbon Disulfide	4.131	76	43314	0.400	ppbv #	89
28) Methyl tert-Butyl Ether	4.603	73	27433	0.360	ppbv	97
29) Chloroform	5.269	83	69696	0.491	ppbv	91
30) Cyclohexane	6.597	84	33480m	0.401	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	38482	0.426	ppbv	96
32) 1,1,1-Trichloroethane	5.999	97	63531	0.420	ppbv	96
34) 2-Butanone	4.800	43	48646	0.424	ppbv #	83
35) Carbon Tetrachloride	6.488	117	62866m	0.441	ppbv	
36) Benzene	6.359	78	85839m	0.440	ppbv	
37) 1,2-Dichloroethane	5.800	62	48408	0.484	ppbv	99
38) Trichloroethene	7.285	130	32623	0.378	ppbv	93
39) 1,2-Dichloropropane	7.060	63	33991m	0.446	ppbv	
40) 1,4-Dioxane	7.311	88	15526m	0.538	ppbv	
41) Tetrahydrofuran	5.581	42	33428m	0.420	ppbv	
42) Bromodichloromethane	7.240	83	68951m	0.461	ppbv	
43) Methyl Methacrylate	7.475	69	30952m	0.396	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	147268	0.446	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	17901m	0.287	ppbv	

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 Supervised By :Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:52:57 2023

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	26983m	0.355	ppbv	
47) 1,1,2-Trichloroethane	8.883	97	34543	0.431	ppbv	96
48) Dibromochloromethane	9.693	129	51731	0.385	ppbv	100
49) Bromoform	12.391	173	36188m	0.332	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	74411	0.379	ppbv	96
51) 2-Hexanone	9.565	43	55997m	0.375	ppbv	
52) Tetrachloroethene	10.600	164	30740	0.388	ppbv	94
53) Toluene	9.205	91	86148	0.371	ppbv	98
54) 1,2-Dibromoethane	9.996	107	47292	0.421	ppbv	84
56) 1,1,1,2-Tetrachloroethane	11.494	131	41614	0.432	ppbv #	1
57) Chlorobenzene	11.510	112	79794m	0.472	ppbv	
58) Ethyl Benzene	12.076	91	124805m	0.420	ppbv	
59) m/p-Xylene	12.356	91	213082m	0.872	ppbv	
60) o-Xylene	13.040	91	102313	0.439	ppbv	99
61) Styrene	12.886	104	45285m	0.351	ppbv	
62) Isopropylbenzene	14.018	105	161196m	0.450	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.034	83	78513	0.450	ppbv	96
64) n-propylbenzene	14.905	120	39553m	0.411	ppbv	
65) tert-Butylbenzene	16.072	119	136020	0.421	ppbv	92
66) Benzyl Chloride	16.314	91	7483m	0.230	ppbv	
67) sec-Butylbenzene	16.625	105	196855	0.445	ppbv	97
69) p-Isopropyltoluene	16.982	119	152525m	0.411	ppbv	
70) n-Butylbenzene	17.876	91	145682	0.400	ppbv	99
71) 2-Chlorotoluene	14.786	91	116986	0.435	ppbv	93
72) 4-Ethyltoluene	15.179	105	109686	0.402	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.333	105	100208	0.417	ppbv	97
74) 1,2,4-Trimethylbenzene	16.089	105	114035m	0.435	ppbv	
75) 1,3-Dichlorobenzene	16.320	146	66599m	0.408	ppbv	
76) 1,4-Dichlorobenzene	16.462	146	67246m	0.416	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	61946	0.387	ppbv	92
78) Hexachloro-1,3-Butadiene	22.612	225	50628m	0.442	ppbv	
79) Naphthalene	21.378	128	47772m	0.224	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	33274m	0.287	ppbv	

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

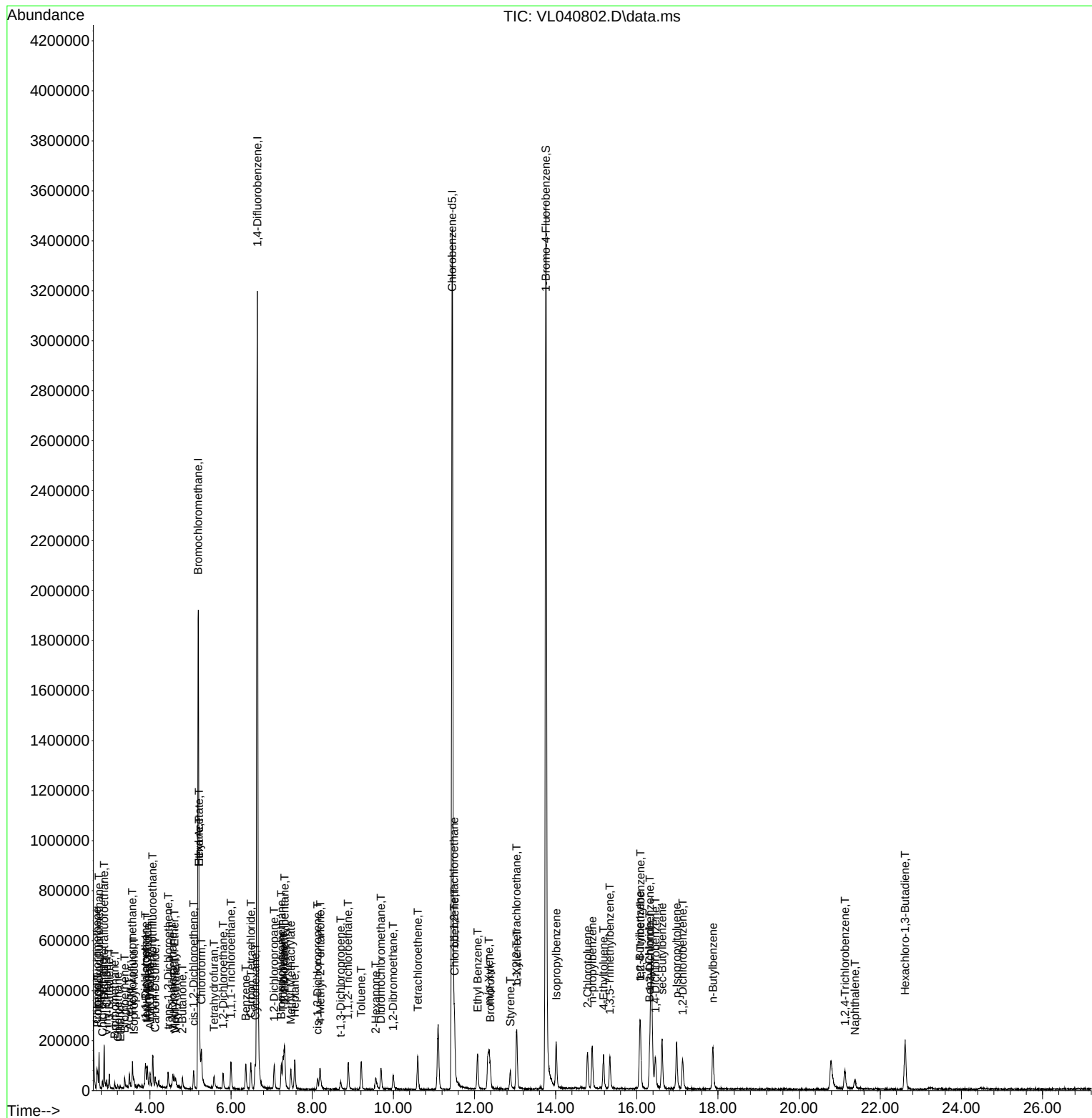
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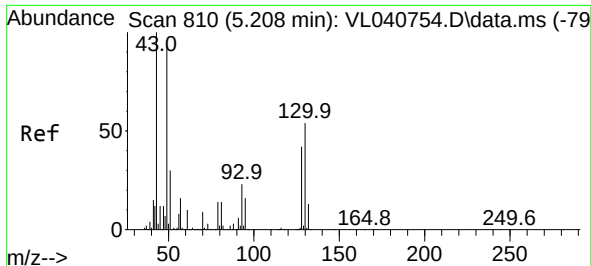
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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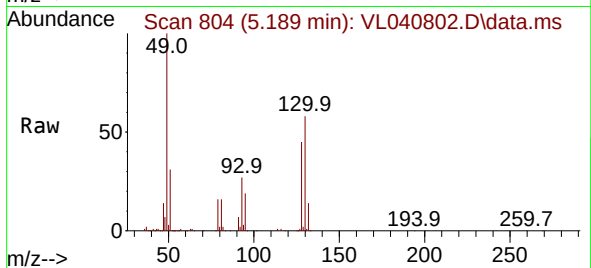
Reviewed By : Semsettin Yesilyurt 10/26/2023
Supervised By : Mahesh Dadoda 10/26/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

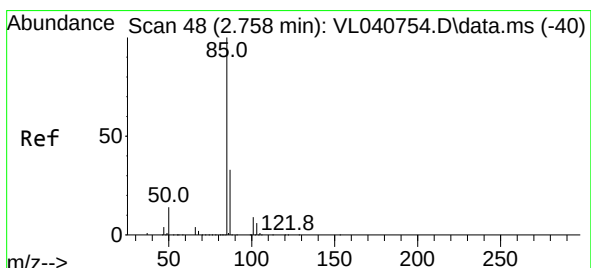
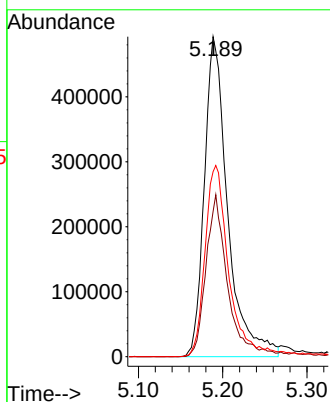
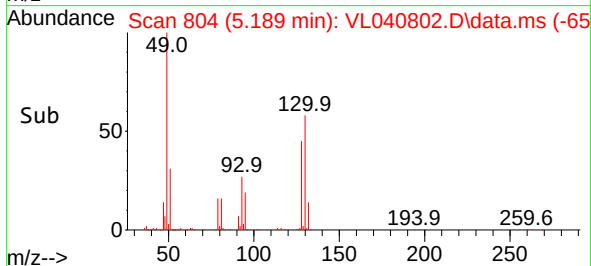
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 94788
Ion Ratio Lower Upper
49 100
128 48.6 23.9 71.7
130 62.7 30.7 92.1

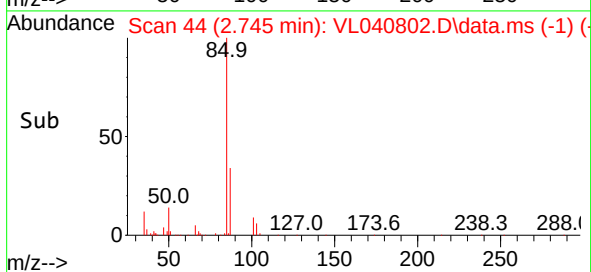
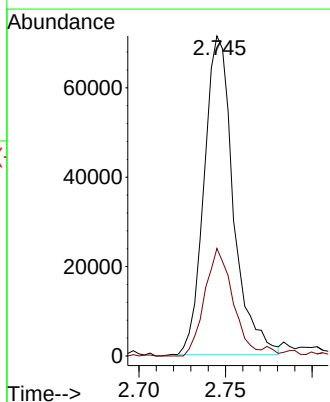
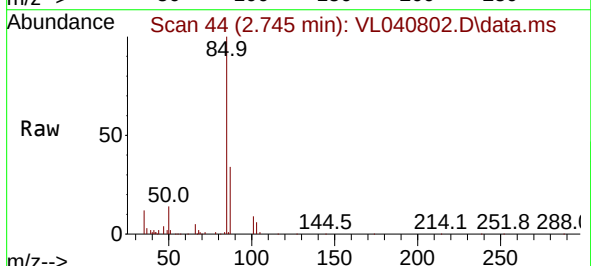
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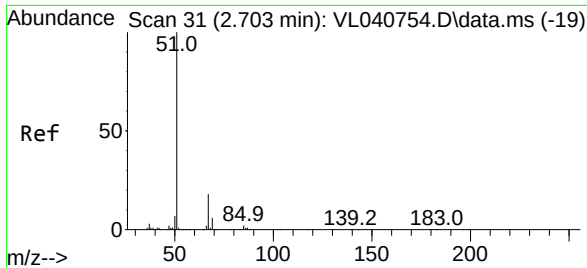
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#2
Dichlorodifluoromethane
Concen: 0.502 ppbv
RT: 2.745 min Scan# 44
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 85 Resp: 83786
Ion Ratio Lower Upper
85 100
87 33.7 26.0 39.0





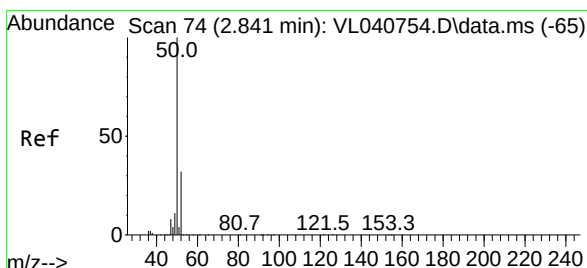
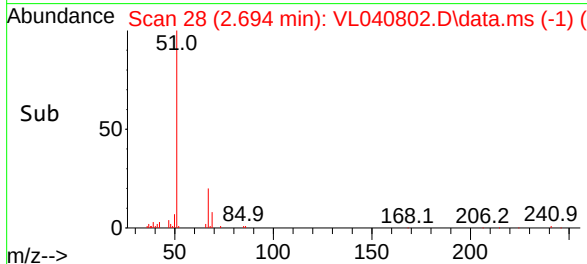
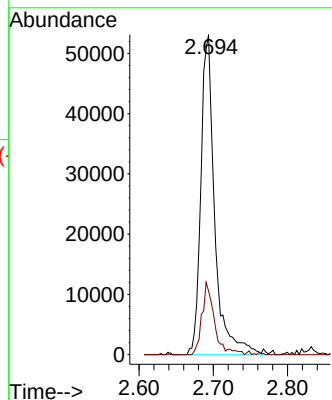
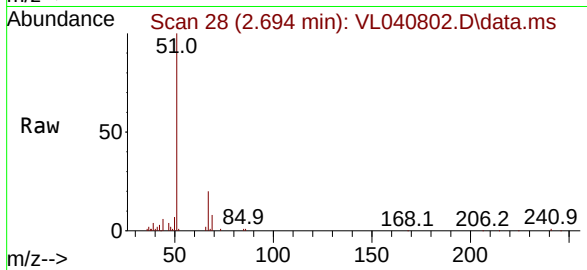
#3
Chlorodifluoromethane
Concen: 0.497 ppbv
RT: 2.694 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 51 Resp: 69244
Ion Ratio Lower Upper
51 100
67 20.5 13.8 20.6

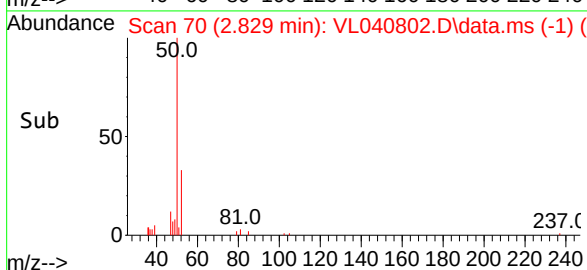
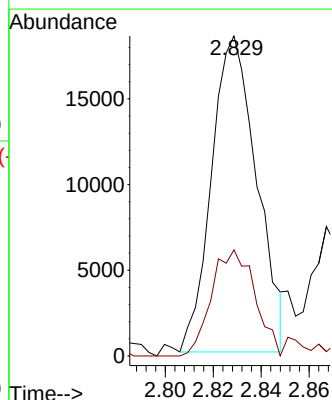
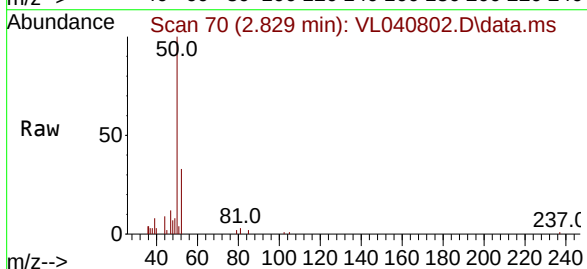
Manual Integrations
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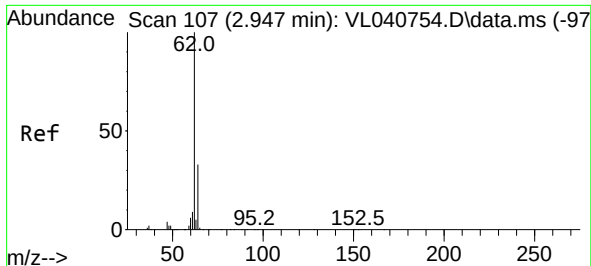
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#4
Chloromethane
Concen: 0.440 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 50 Resp: 24184
Ion Ratio Lower Upper
50 100
52 33.6 25.3 37.9





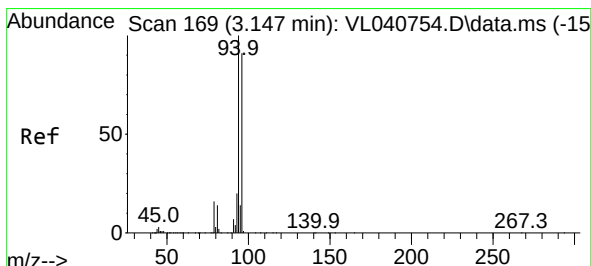
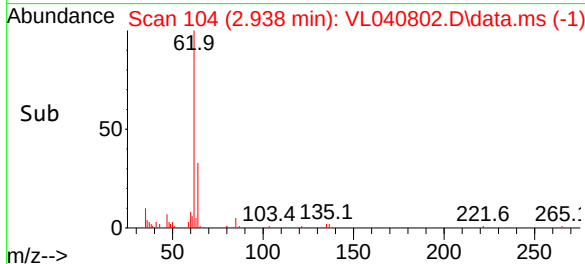
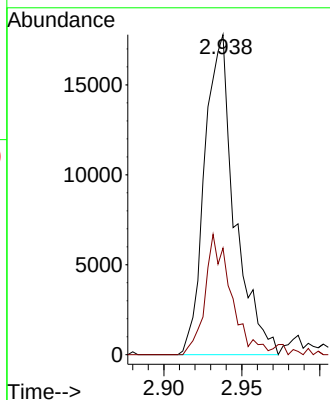
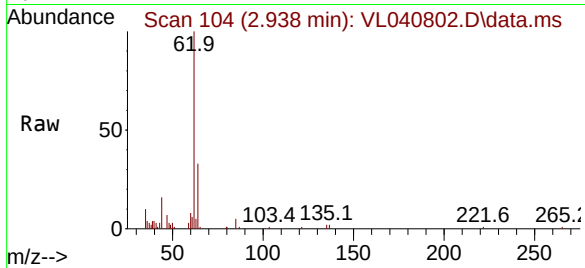
#5
 Vinyl Chloride
 Concen: 0.419 ppbv
 RT: 2.938 min Scan# 104
 Delta R.T. -0.009 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

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

Tgt Ion: 62 Resp: 23810
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.6 39.8

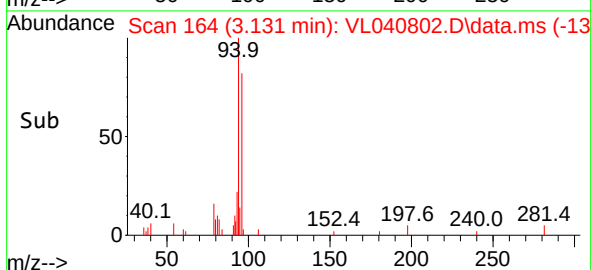
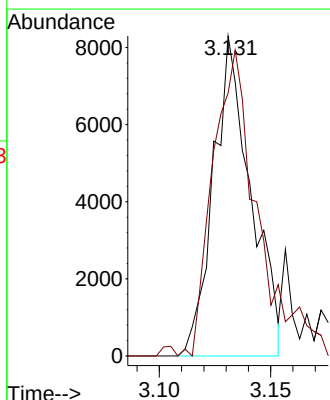
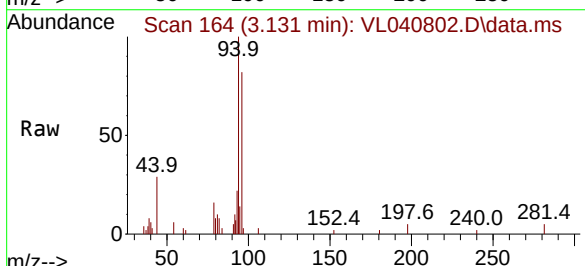
Manual Integrations
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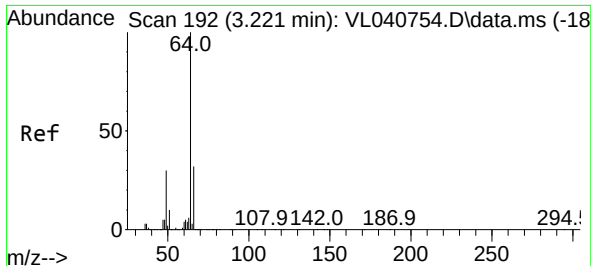
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#6
 Bromomethane
 Concen: 0.413 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

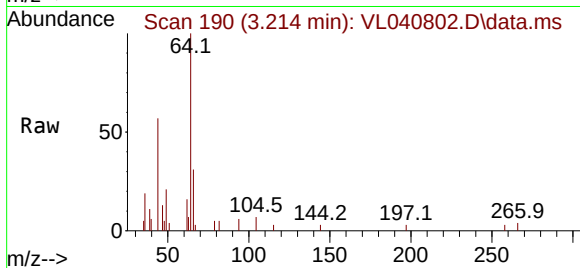
Tgt Ion: 94 Resp: 9702
 Ion Ratio Lower Upper
 94 100
 96 71.8 72.6 109.0#





#7
Chloroethane
Concen: 0.437 ppbv m
RT: 3.214 min Scan# 192
Delta R.T. -0.006 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

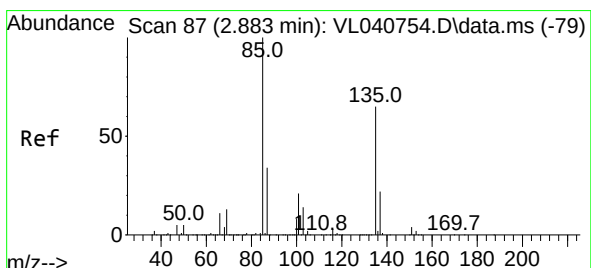
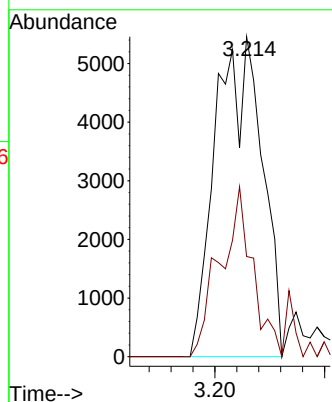
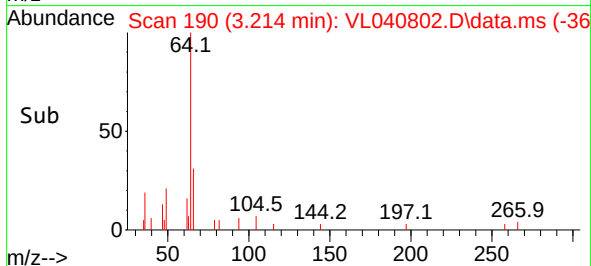
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 64 Resp: 809
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2

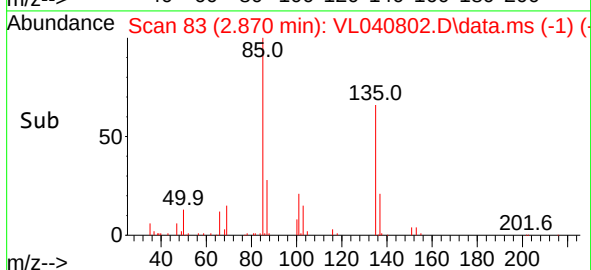
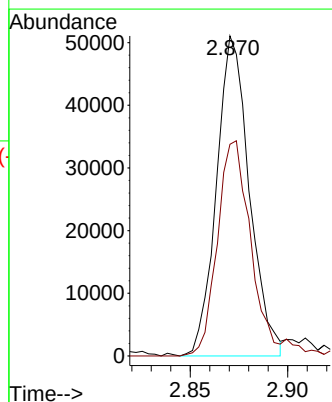
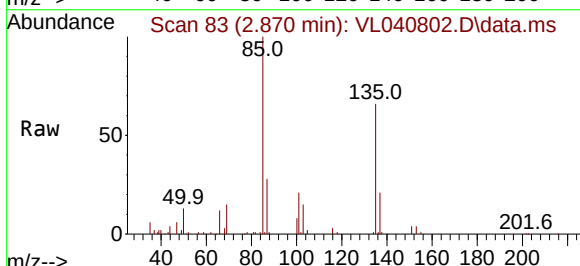
Manual Integrations
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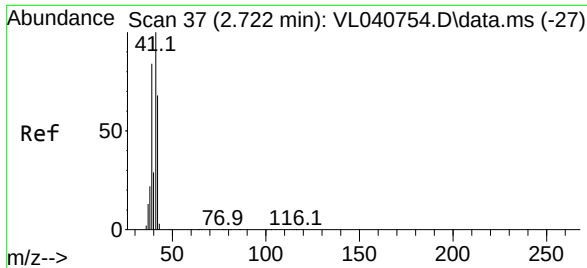
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#8
Dichlorotetrafluoroethane
Concen: 0.474 ppbv
RT: 2.870 min Scan# 83
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

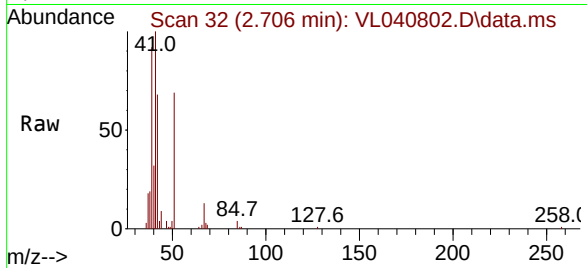
Tgt Ion: 85 Resp: 59953
Ion Ratio Lower Upper
85 100
135 72.3 55.4 83.2





#9
 Propene
 Concen: 0.458 ppbv
 RT: 2.706 min Scan# 31
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

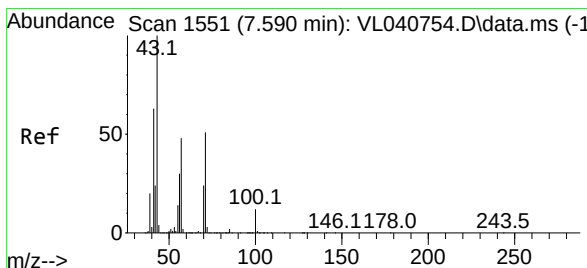
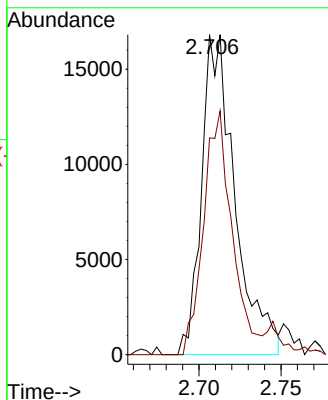
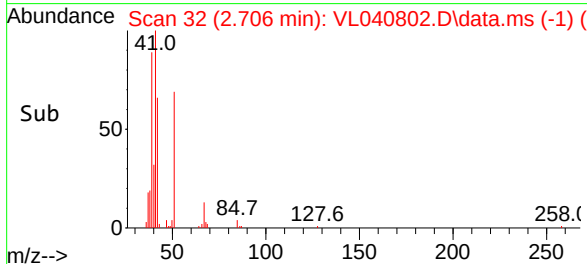
Instrument :
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 MDL-AIR-03-QT4-2023DL



Tgt Ion: 41 Resp: 2371
 Ion Ratio Lower Upper
 41 100
 42 71.2 57.1 85.7

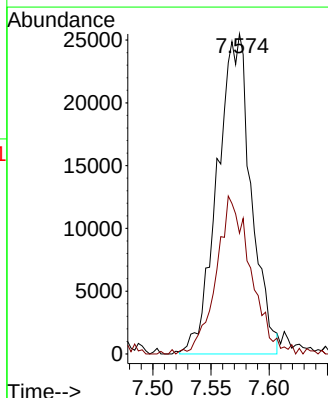
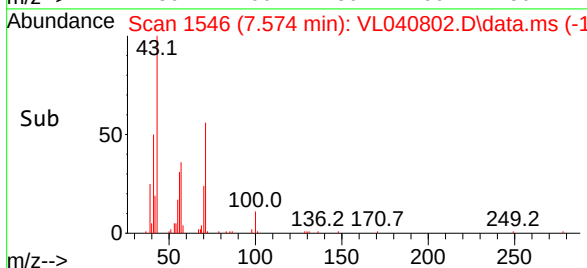
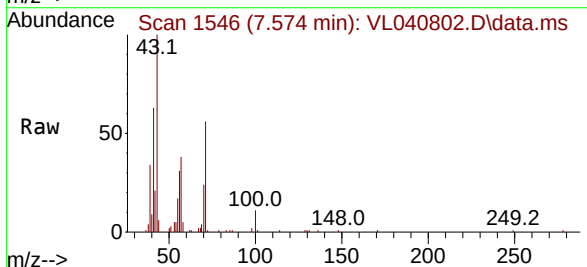
Manual Integrations
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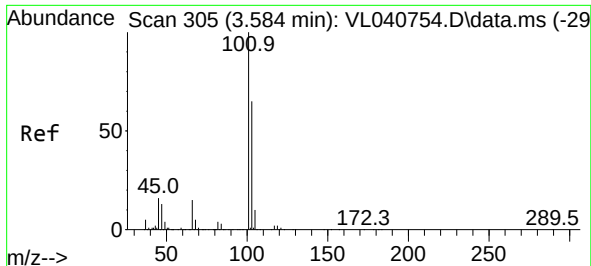
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#10
 Heptane
 Concen: 0.397 ppbv m
 RT: 7.574 min Scan# 1546
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

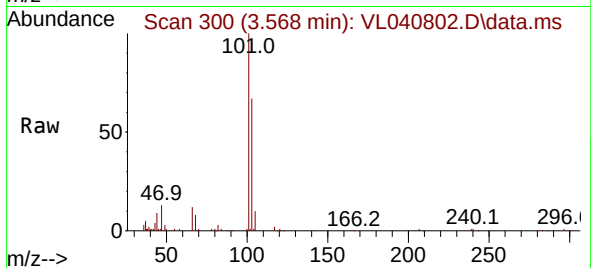
Tgt Ion: 43 Resp: 51551
 Ion Ratio Lower Upper
 43 100
 57 51.1 40.0 60.0





#11
 Trichlorofluoromethane
 Concen: 0.480 ppbv
 RT: 3.568 min Scan# 305
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

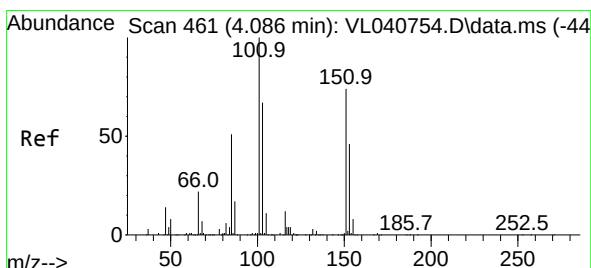
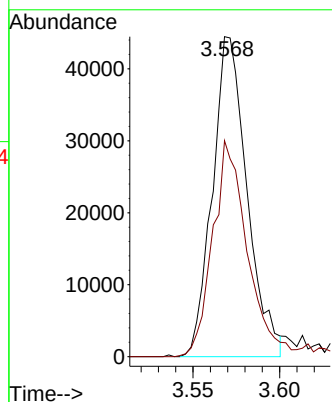
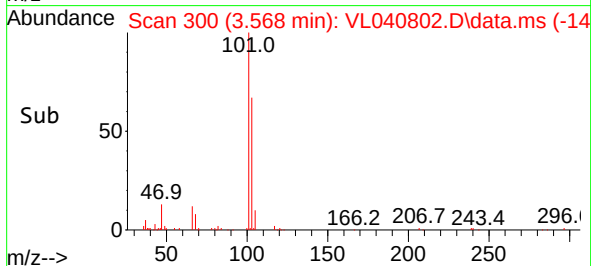
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:101 Resp: 61858
 Ion Ratio Lower Upper
 101 100
 103 67.1 52.2 78.2

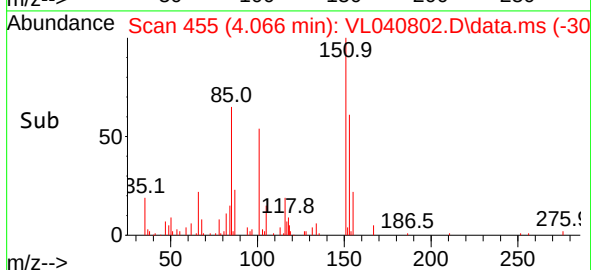
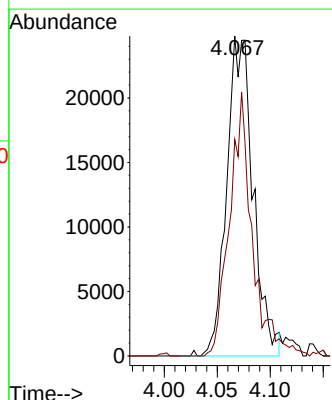
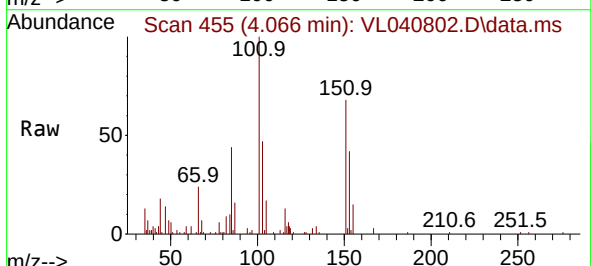
Manual Integrations
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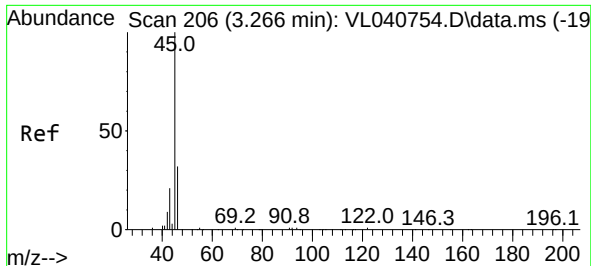
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.467 ppbv m
 RT: 4.066 min Scan# 455
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

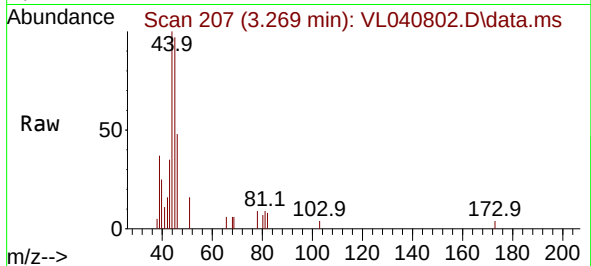
Tgt Ion:101 Resp: 42883
 Ion Ratio Lower Upper
 101 100
 151 0.0 58.1 87.1#





#13
Ethanol
Concen: 0.598 ppbv m
RT: 3.269 min Scan# 206
Delta R.T. 0.003 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

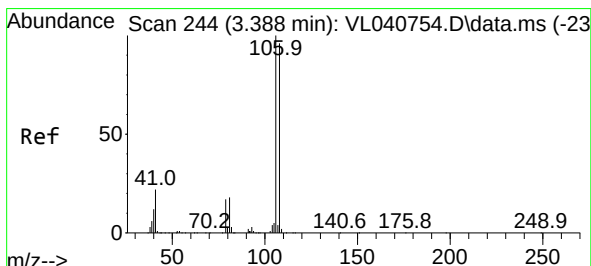
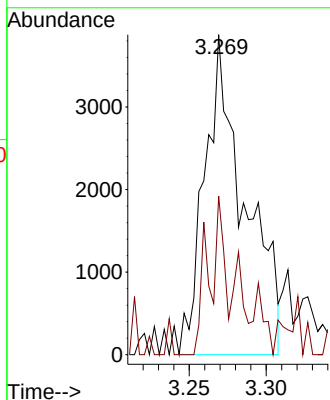
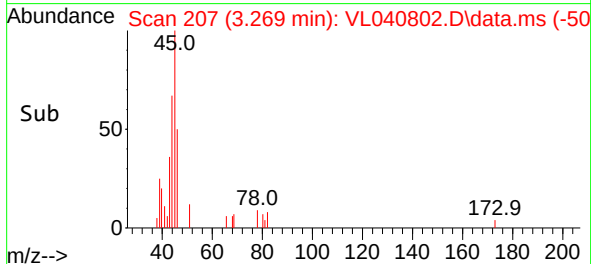
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 45 Resp: 6988
Ion Ratio Lower Upper
45 100
46 41.9 14.6 58.2

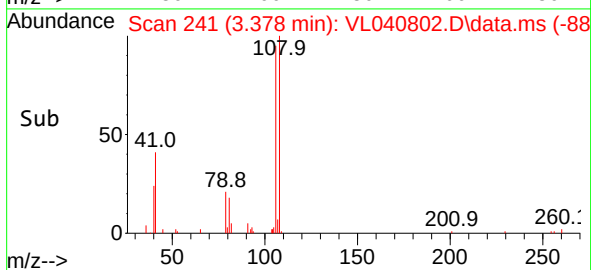
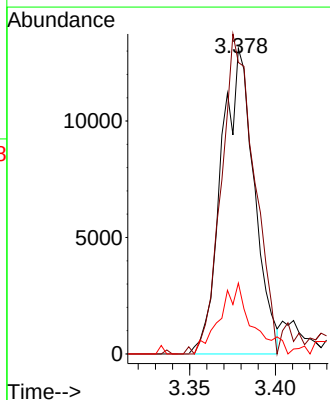
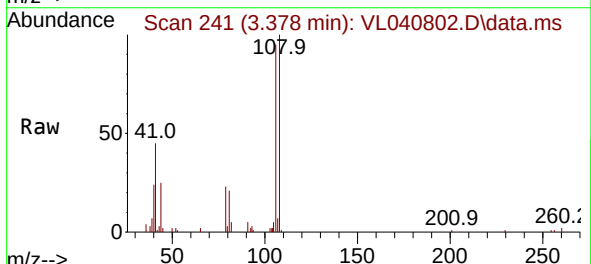
Manual Integrations
APPROVED

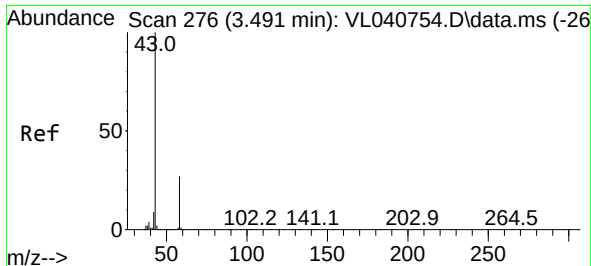
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#14
Bromoethene
Concen: 0.446 ppbv m
RT: 3.378 min Scan# 241
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:108 Resp: 17570
Ion Ratio Lower Upper
108 100
106 114.8 85.2 127.8
79 22.6 15.7 23.5





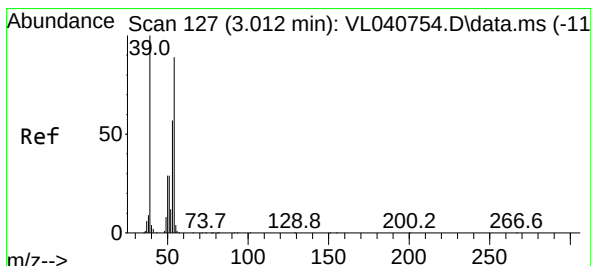
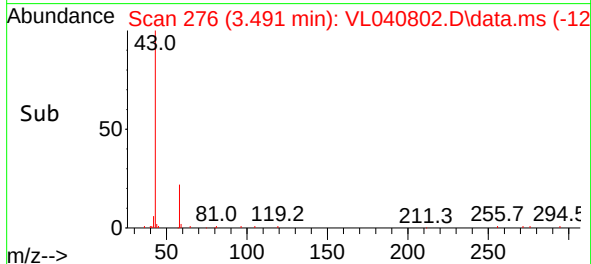
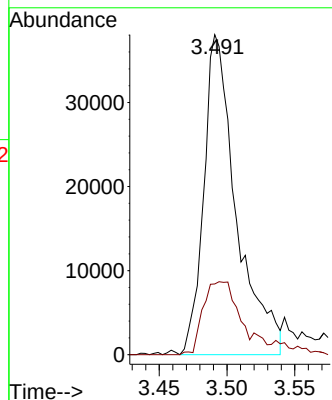
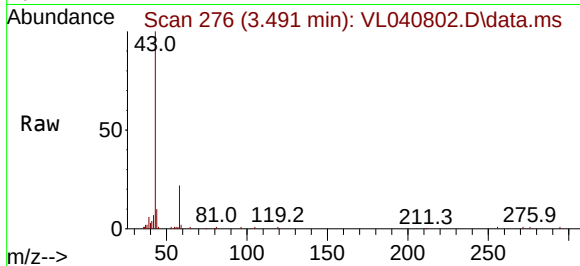
#15
Acetone
Concen: 0.650 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 43 Resp: 6372
Ion Ratio Lower Upper
43 100
58 30.3 21.6 32.4

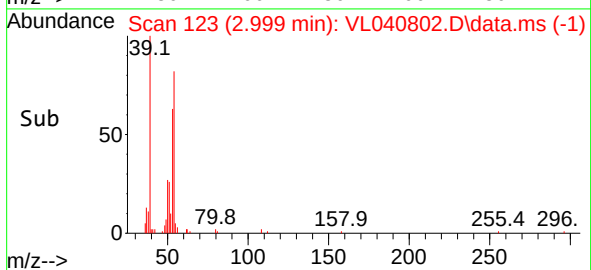
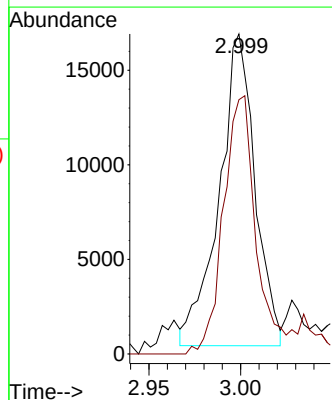
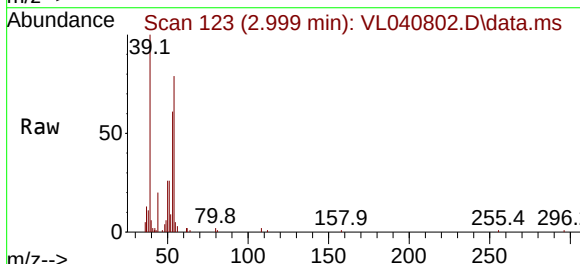
Manual Integrations
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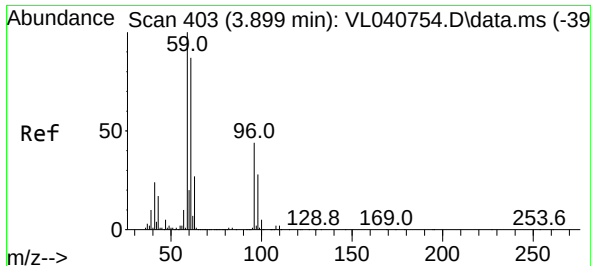
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#16
1,3-Butadiene
Concen: 0.436 ppbv
RT: 2.999 min Scan# 123
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 39 Resp: 22400
Ion Ratio Lower Upper
39 100
54 84.7 63.0 94.6





#17

tert-Butyl alcohol

Concen: 0.375 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.000 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 59 Resp: 3763

Ion Ratio Lower Upper

59 100

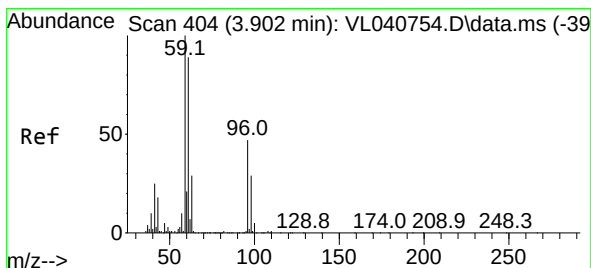
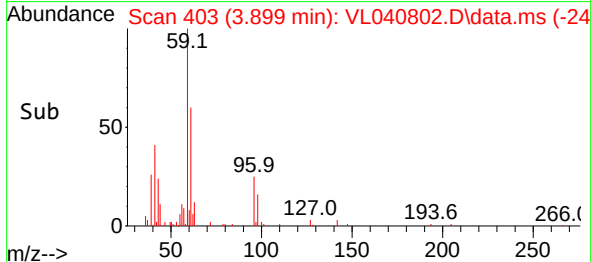
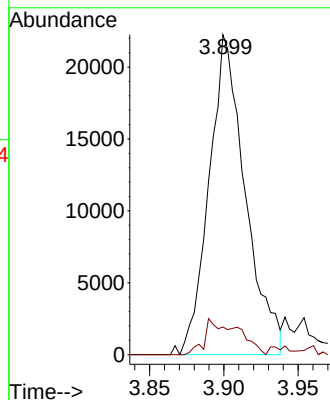
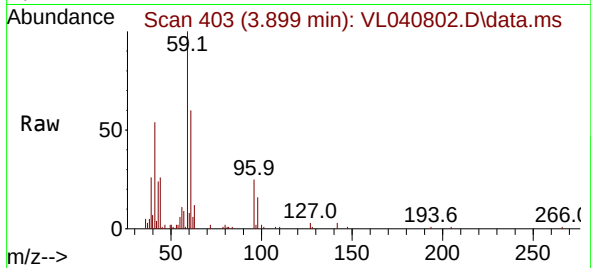
57 11.7 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#18

1,1-Dichloroethene

Concen: 0.442 ppbv

RT: 3.890 min Scan# 400

Delta R.T. -0.013 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

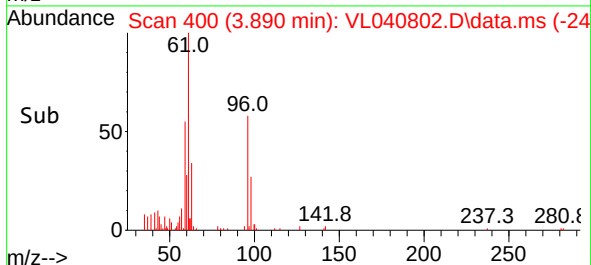
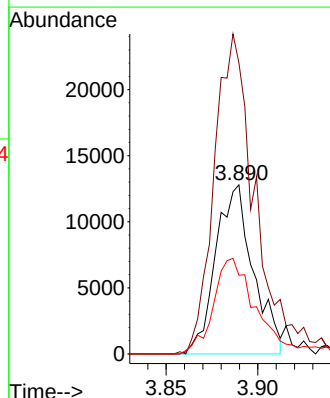
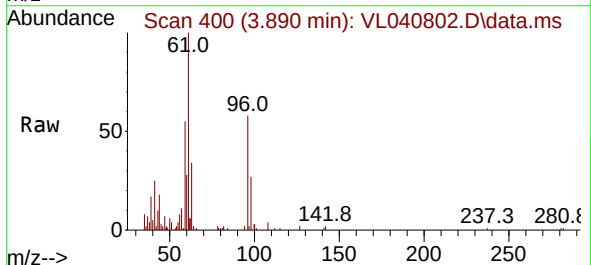
Tgt Ion: 96 Resp: 18219

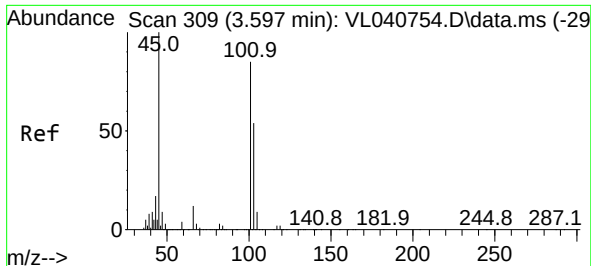
Ion Ratio Lower Upper

96 100

61 180.9 152.5 228.7

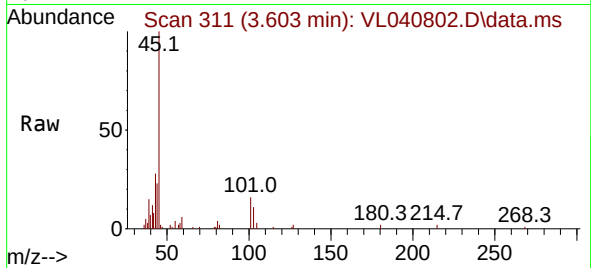
98 46.5 49.6 74.4





#19
Isopropyl Alcohol
Concen: 0.406 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.007 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

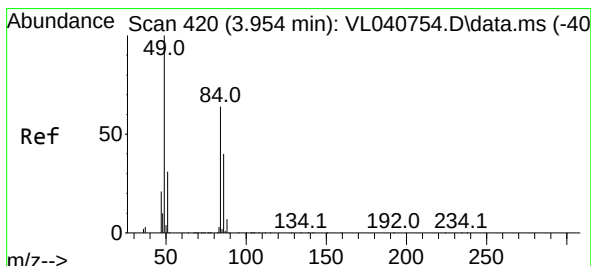
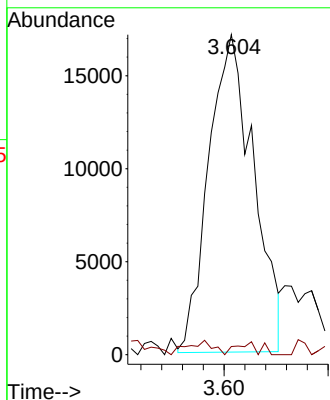
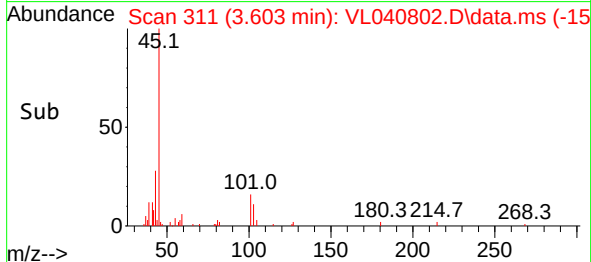
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 45 Resp: 2559
Ion Ratio Lower Upper
45 100
58 2.7 30.3 45.5

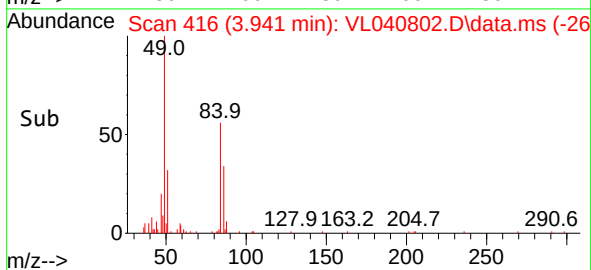
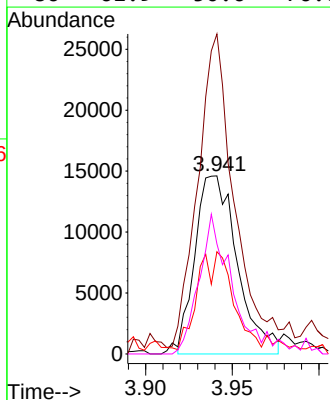
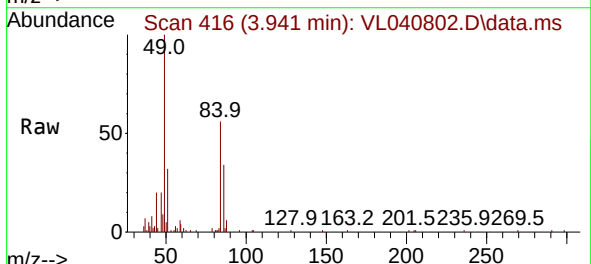
Manual Integrations
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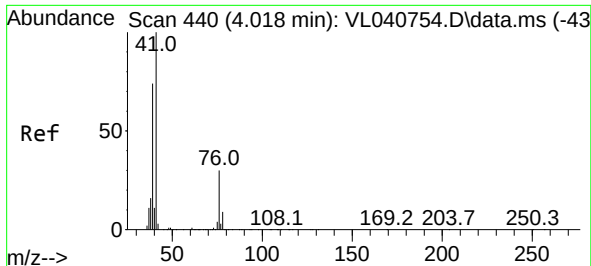
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#20
Methylene Chloride
Concen: 0.607 ppbv
RT: 3.941 min Scan# 416
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 84 Resp: 24784
Ion Ratio Lower Upper
84 100
49 172.9 125.6 188.4
51 57.2 38.9 58.3
86 61.9 50.6 76.0





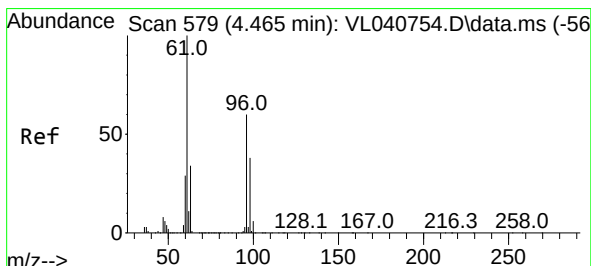
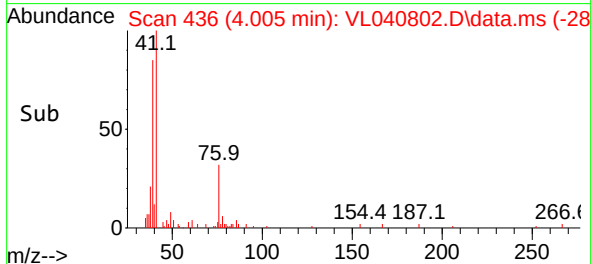
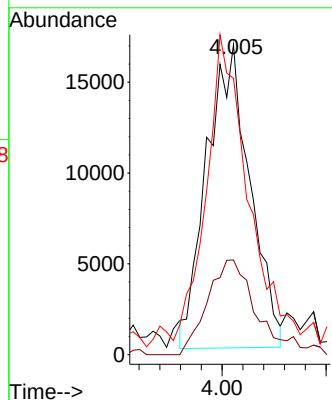
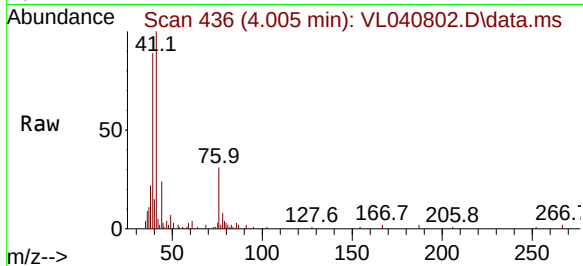
#21
 Allyl Chloride
 Concen: 0.373 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

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

Tgt Ion: 41 Resp: 2410
 Ion Ratio Lower Upper
 41 100
 76 39.1 24.1 36.1
 39 108.7 63.8 95.6

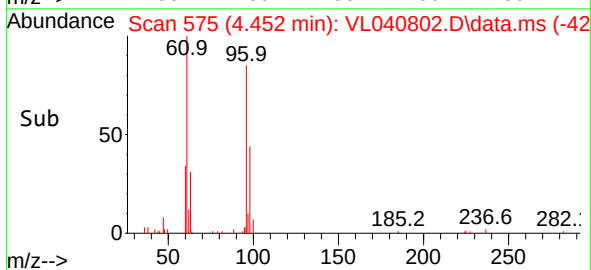
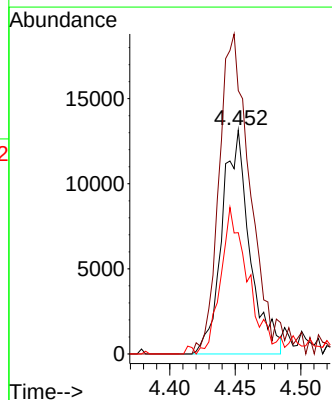
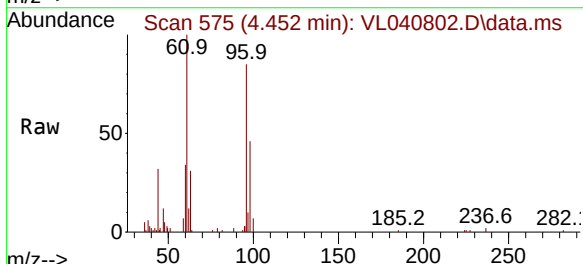
Manual Integrations
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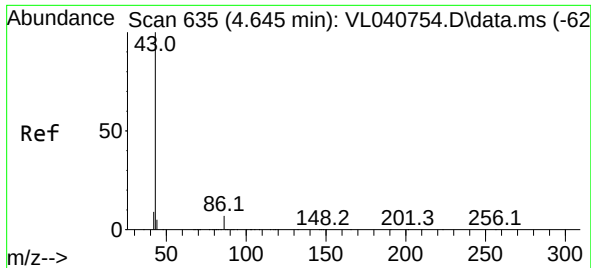
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.442 ppbv m
 RT: 4.452 min Scan# 575
 Delta R.T. -0.013 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

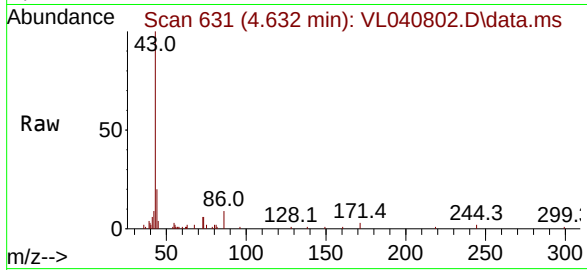
Tgt Ion: 96 Resp: 19389
 Ion Ratio Lower Upper
 96 100
 61 117.6 134.0 201.0
 98 54.2 51.0 76.4





#23
 Vinyl Acetate
 Concen: 0.294 ppbv
 RT: 4.632 min Scan# 609
 Delta R.T. -0.013 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

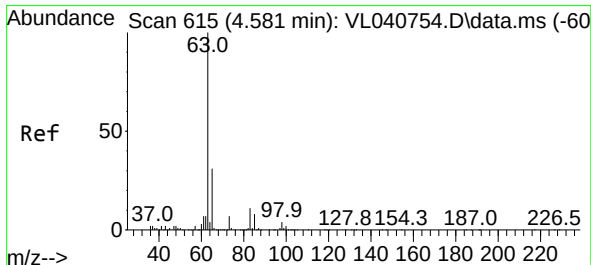
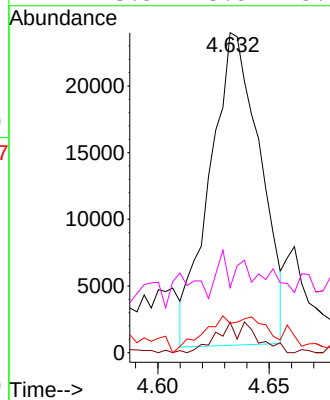
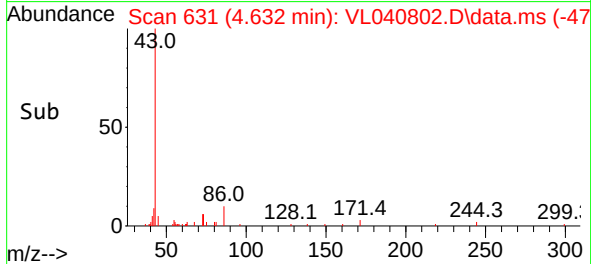
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 36738
 Ion Ratio Lower Upper
 43 100
 86 10.5 4.9 7.3#
 42 8.7 7.8 11.6#
 44 3.5 3.8 5.6#

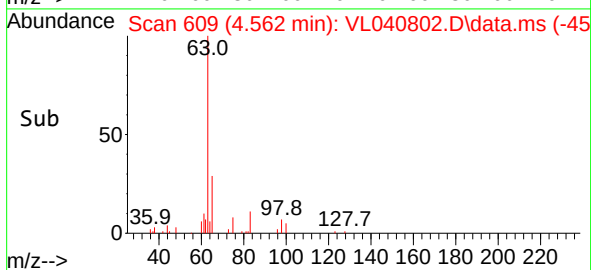
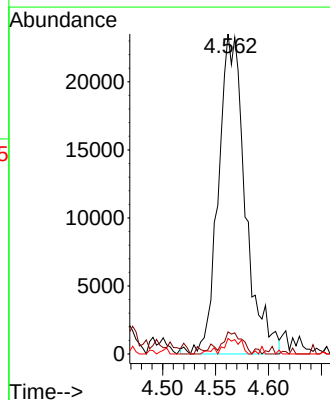
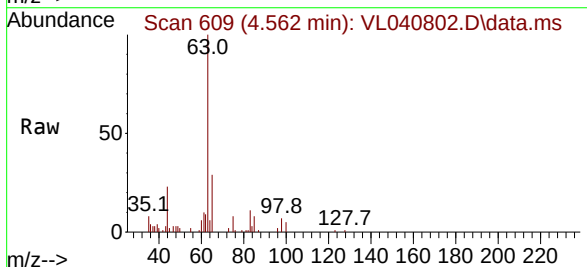
Manual Integrations
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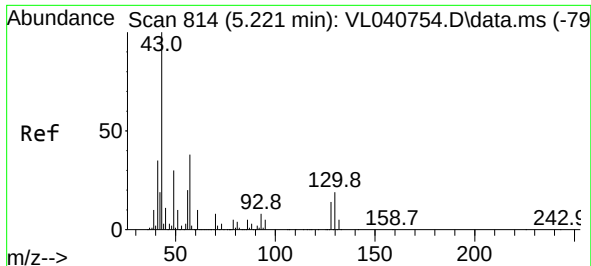
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#24
 1,1-Dichloroethane
 Concen: 0.439 ppbv m
 RT: 4.562 min Scan# 609
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

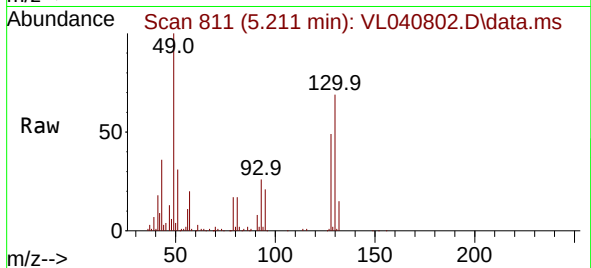
Tgt Ion: 63 Resp: 41380
 Ion Ratio Lower Upper
 63 100
 98 6.9 2.0 5.8#
 100 4.8 1.3 3.8#





#25
Ethyl Acetate
Concen: 0.424 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

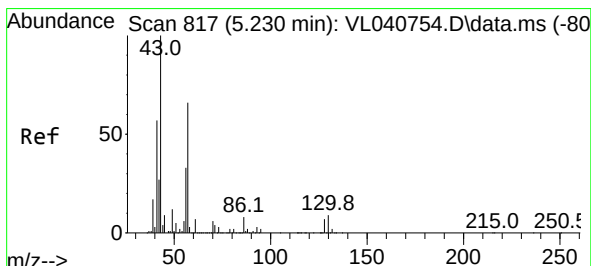
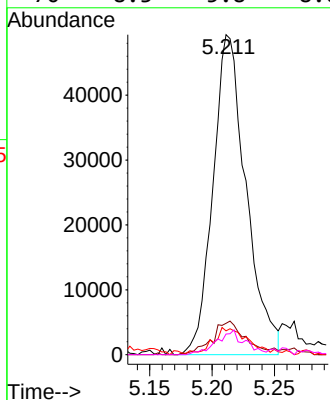
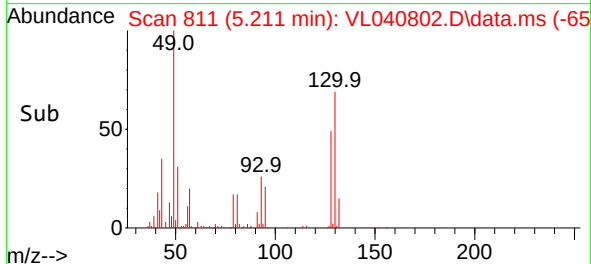
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43	Resp: 9105
Ion Ratio	Lower Upper
43 100	
45 12.0	8.2 12.4
61 10.1	8.2 12.2
70 8.3	5.8 8.6

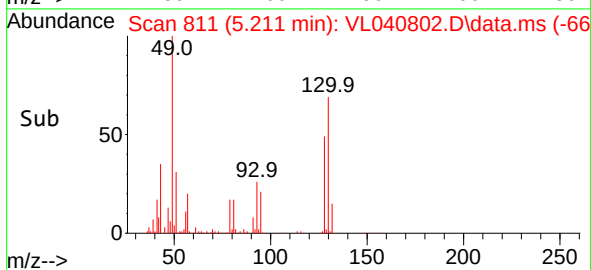
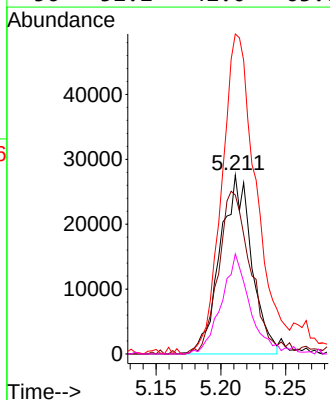
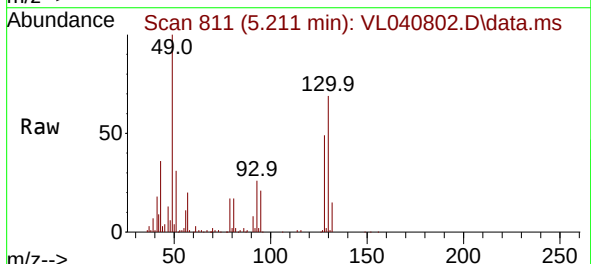
Manual Integrations
APPROVED

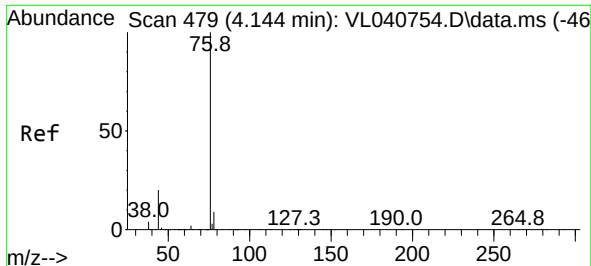
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#26
Hexane
Concen: 0.475 ppbv m
RT: 5.211 min Scan# 811
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

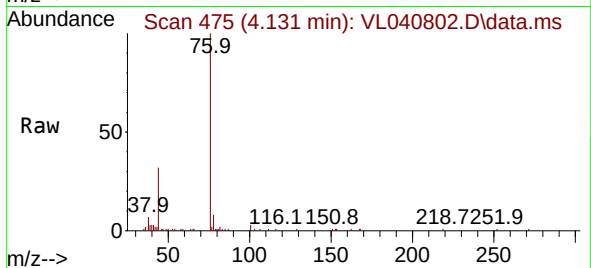
Tgt Ion: 57	Resp: 46642
Ion Ratio	Lower Upper
57 100	
41 98.6	71.4 107.2
43 216.9	182.3 273.5
56 52.2	42.0 63.0





#27
Carbon Disulfide
Concen: 0.400 ppbv
RT: 4.131 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

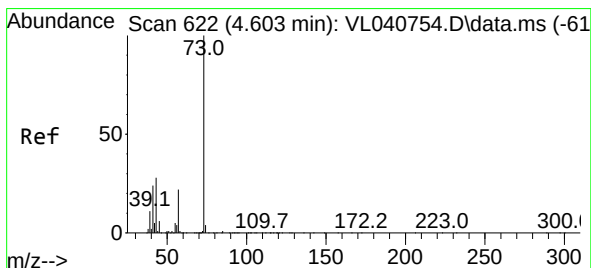
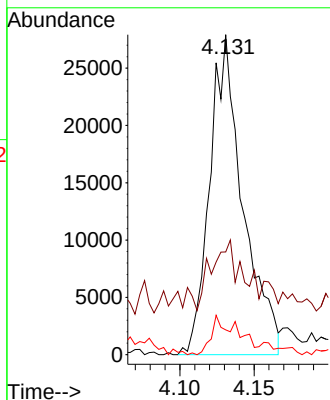
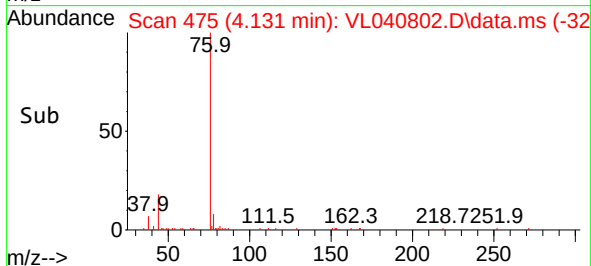
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 76 Resp: 43314
Ion Ratio Lower Upper
76 100
44 26.4 16.6 25.0
78 12.6 7.8 11.6

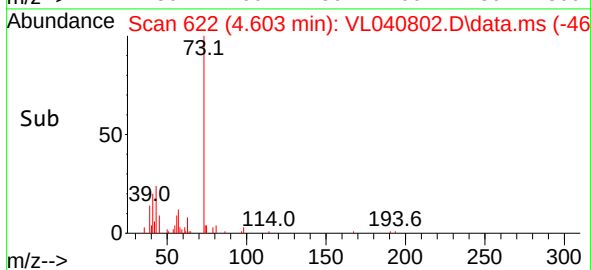
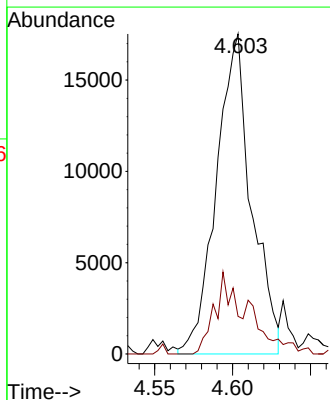
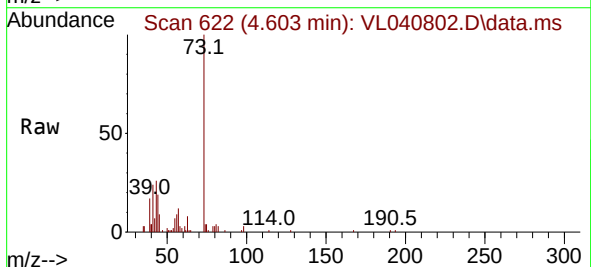
Manual Integrations
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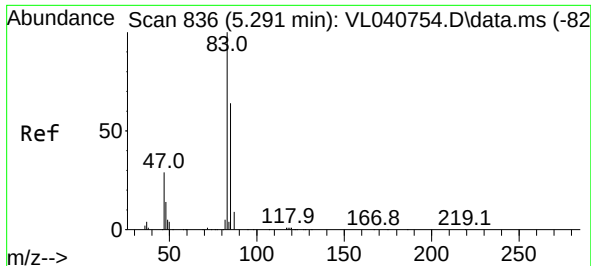
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#28
Methyl tert-Butyl Ether
Concen: 0.360 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.000 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 73 Resp: 27433
Ion Ratio Lower Upper
73 100
57 25.2 18.9 28.3





#29

Chloroform

Concen: 0.491 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 83 Resp: 69690

Ion Ratio Lower Upper

83 100

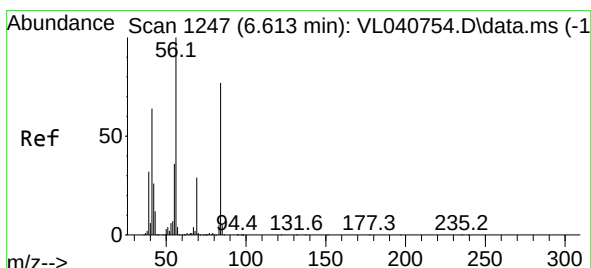
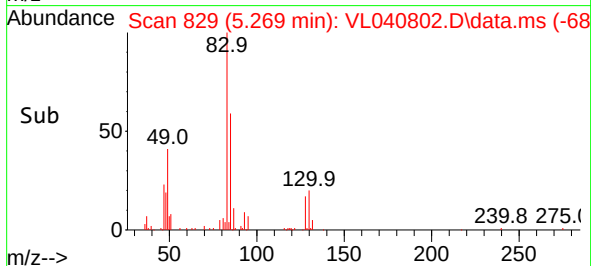
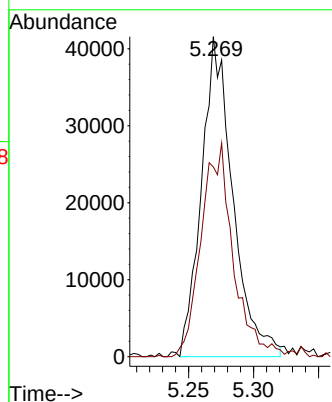
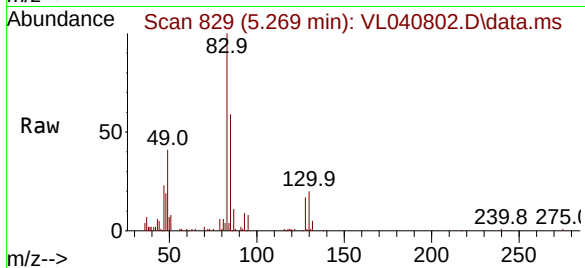
85 57.1 51.3 76.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#30

Cyclohexane

Concen: 0.401 ppbv m

RT: 6.597 min Scan# 1242

Delta R.T. -0.016 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

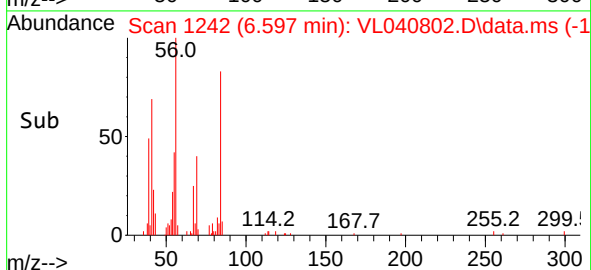
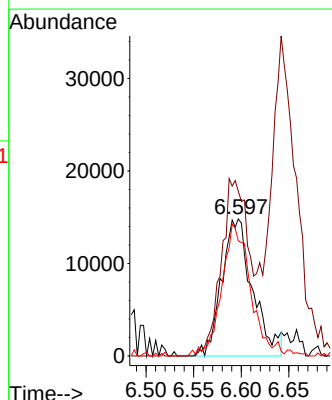
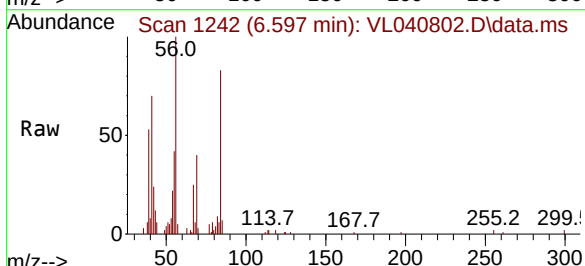
Tgt Ion: 84 Resp: 33480

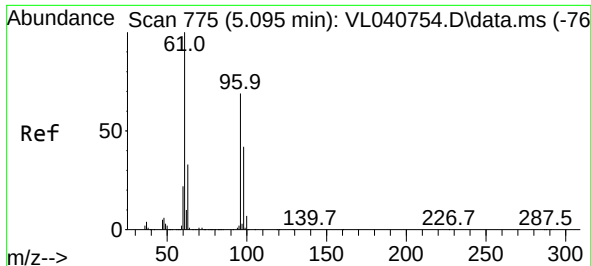
Ion Ratio Lower Upper

84 100

56 121.7 110.3 165.5

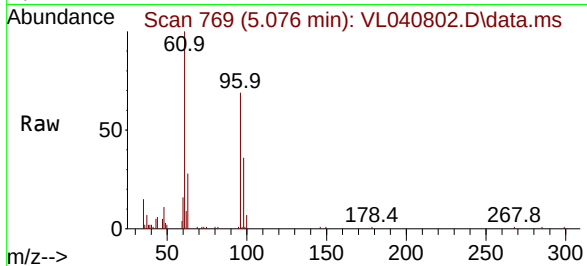
41 91.5 67.4 101.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.426 ppbv
 RT: 5.076 min Scan# 70
 Delta R.T. -0.019 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

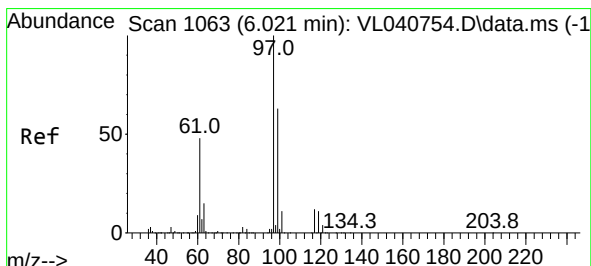
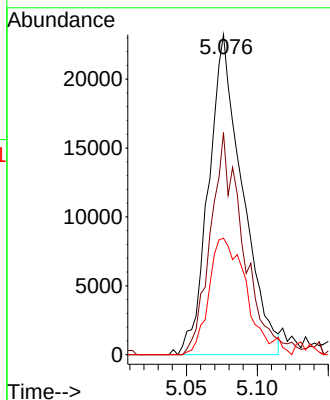
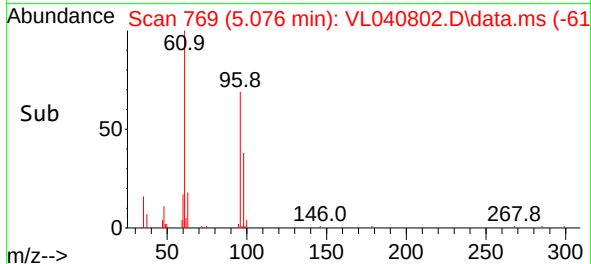
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 61 Resp: 3848
 Ion Ratio Lower Upper
 61 100
 96 69.4 55.1 82.7
 98 36.4 33.5 50.3

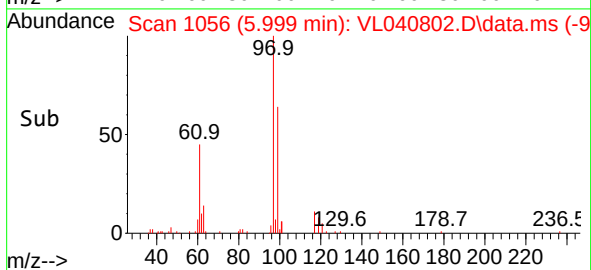
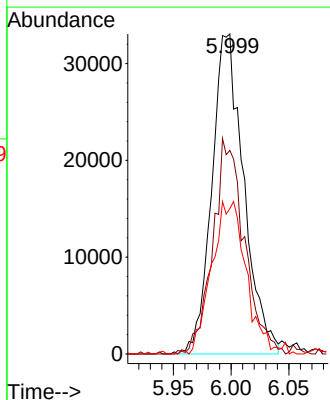
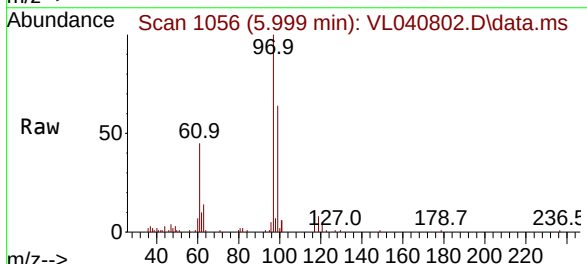
Manual Integrations
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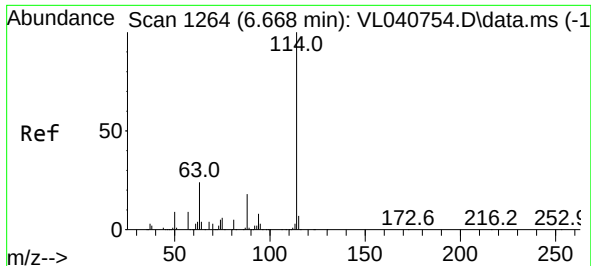
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.420 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.022 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

Tgt Ion: 97 Resp: 63531
 Ion Ratio Lower Upper
 97 100
 99 67.4 51.8 77.6
 61 52.0 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: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:114 Resp: 253704

Ion Ratio Lower Upper

114 100

63 24.8 19.8 29.6

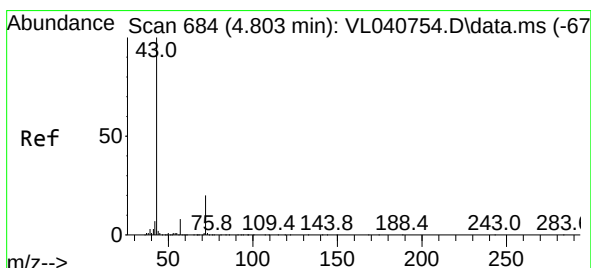
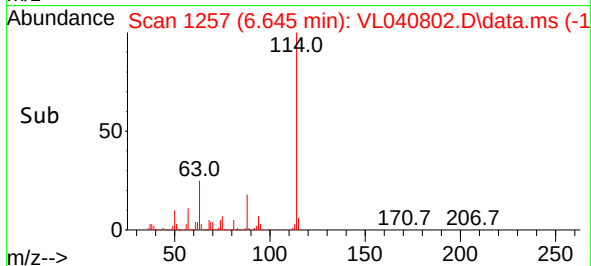
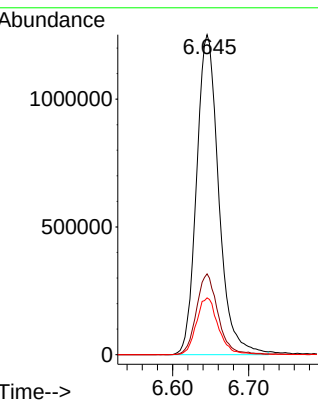
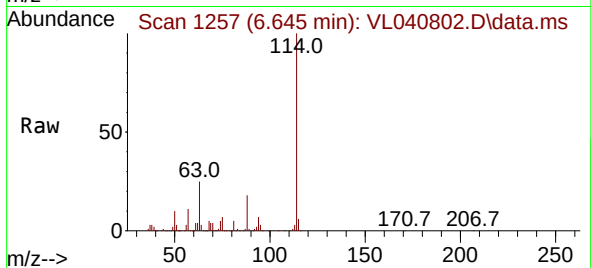
88 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#34

2-Butanone

Concen: 0.424 ppbv

RT: 4.800 min Scan# 683

Delta R.T. -0.003 min

Lab File: VL040802.D

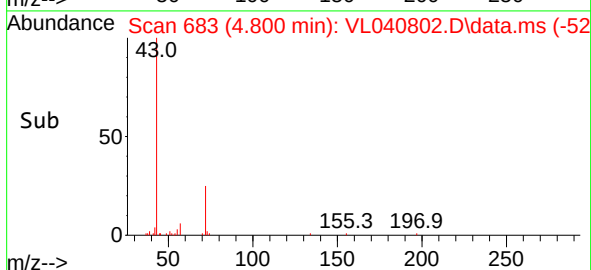
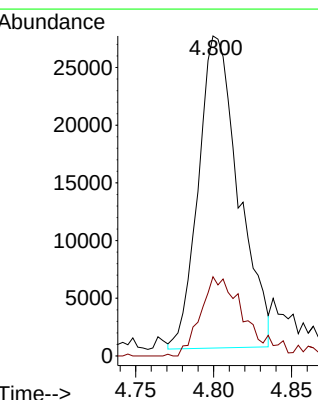
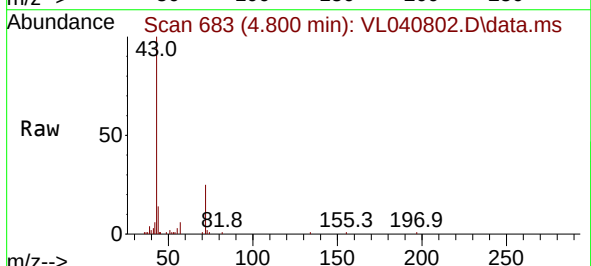
Acq: 25 Oct 2023 16:15

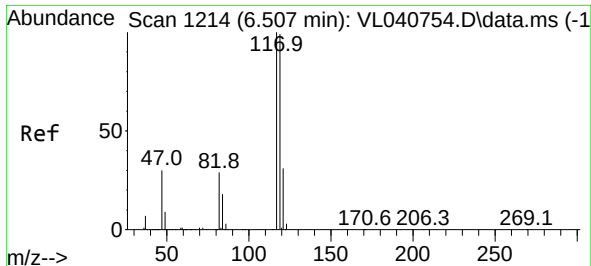
Tgt Ion: 43 Resp: 48646

Ion Ratio Lower Upper

43 100

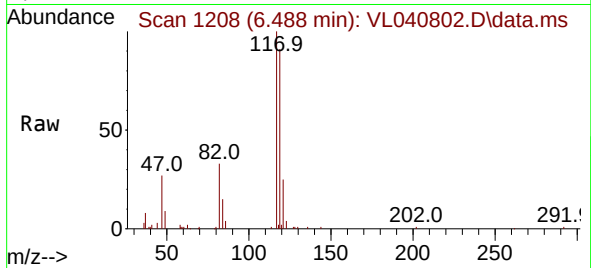
72 29.1 16.8 25.2#





#35
Carbon Tetrachloride
Concen: 0.441 ppbv m
RT: 6.488 min Scan# 117
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

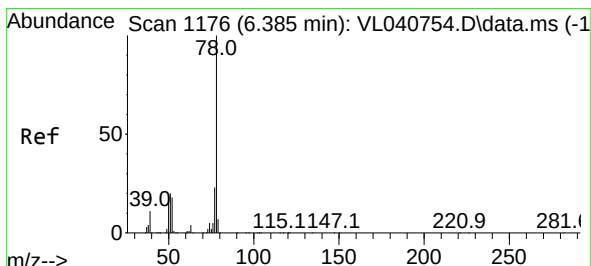
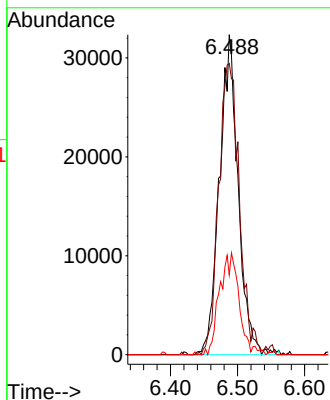
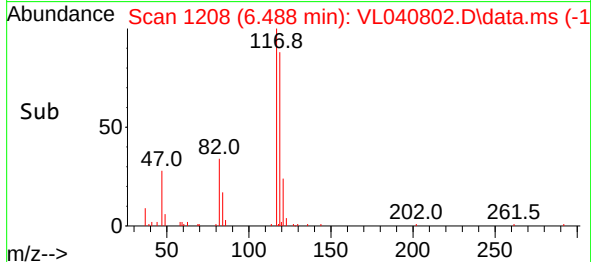
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 117 Resp: 62860
Ion Ratio Lower Upper
117 100
119 91.0 79.4 119.0
121 25.0 25.0 37.4

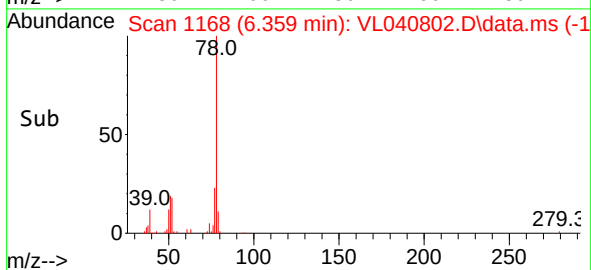
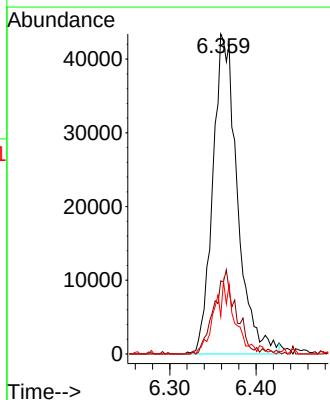
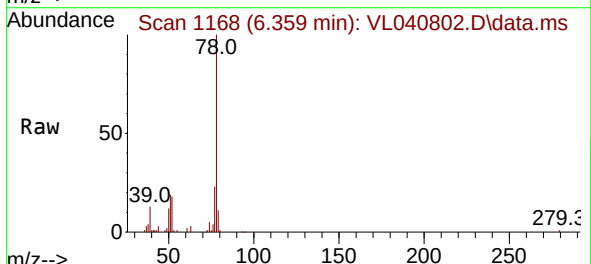
Manual Integrations
APPROVED

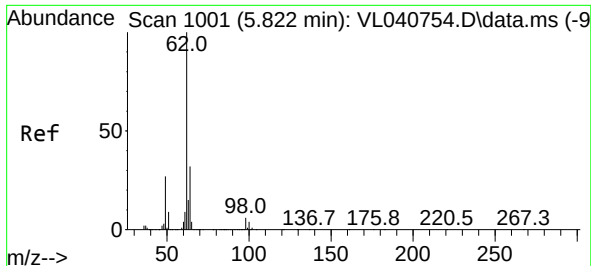
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#36
Benzene
Concen: 0.440 ppbv m
RT: 6.359 min Scan# 1168
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

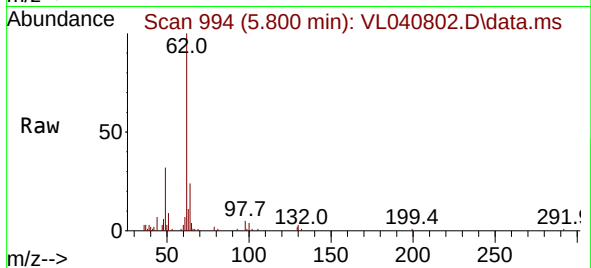
Tgt Ion: 78 Resp: 85839
Ion Ratio Lower Upper
78 100
77 22.9 18.4 27.6
50 11.8 15.0 22.4





#37
1,2-Dichloroethane
Concen: 0.484 ppbv
RT: 5.800 min Scan# 994
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

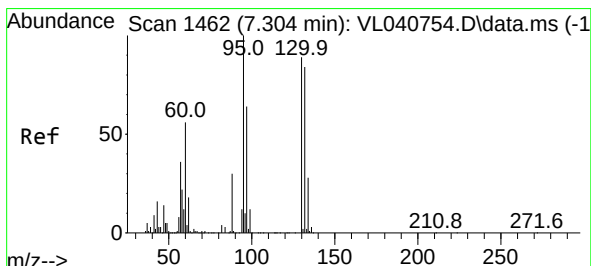
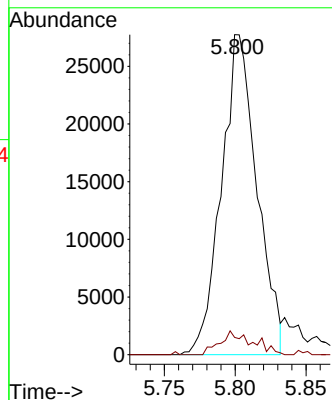
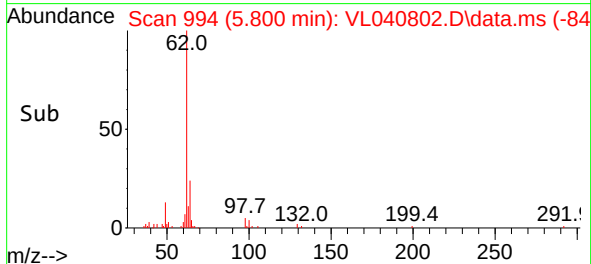
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 62 Resp: 48408
Ion Ratio Lower Upper
62 100
98 7.1 5.4 8.0

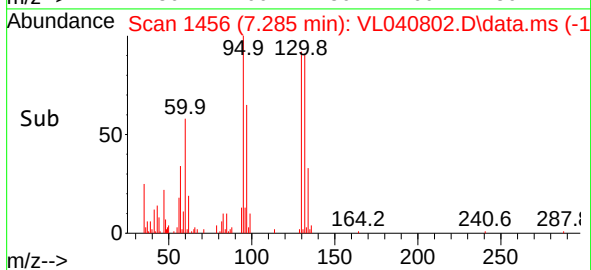
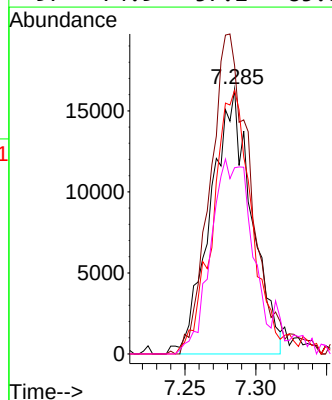
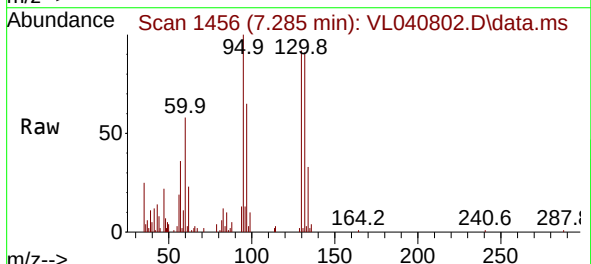
Manual Integrations
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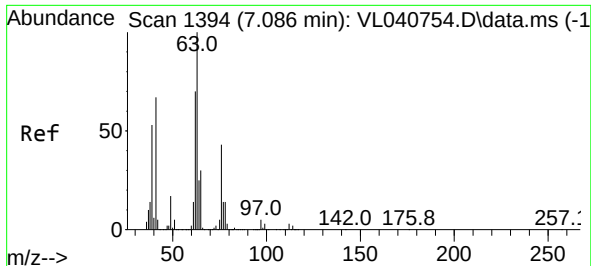
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#38
Trichloroethene
Concen: 0.378 ppbv
RT: 7.285 min Scan# 1456
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:130 Resp: 32623
Ion Ratio Lower Upper
130 100
95 117.1 89.4 134.2
132 105.8 74.8 112.2
97 74.9 57.2 85.8





#39

1,2-Dichloropropane

Concen: 0.446 ppbv m

RT: 7.060 min Scan# 1386

Delta R.T. -0.026 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

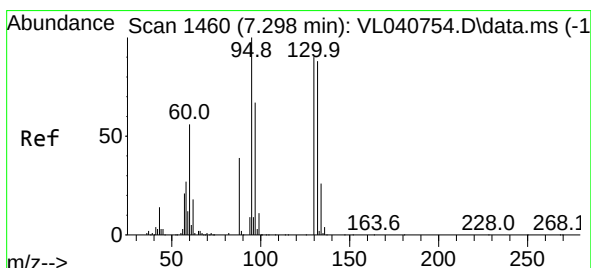
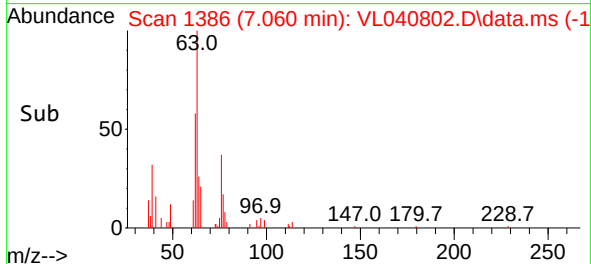
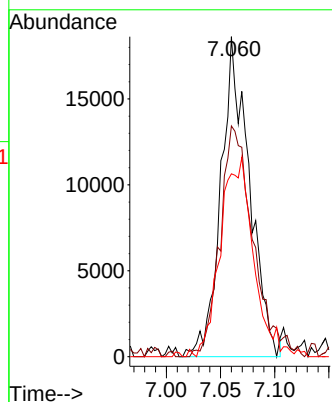
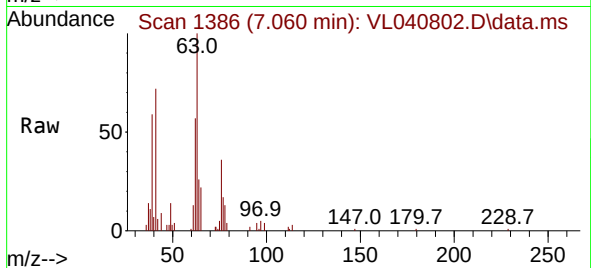
MDL-AIR-03-QT4-2023DL

Tgt Ion: 63	Resp: 3399
Ion Ratio	Lower Upper
63 100	
41 72.1	53.7 80.5
62 57.2	55.7 83.5

Manual Integrations

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



#40

1,4-Dioxane

Concen: 0.538 ppbv m

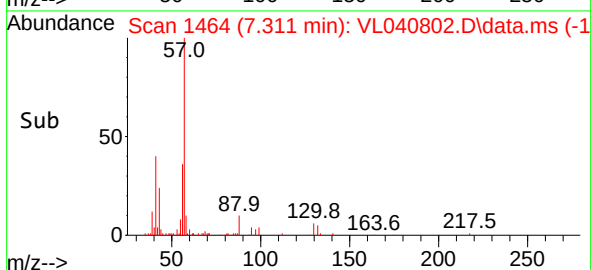
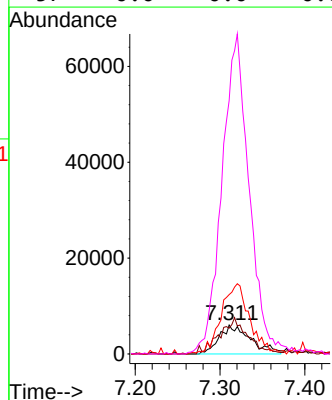
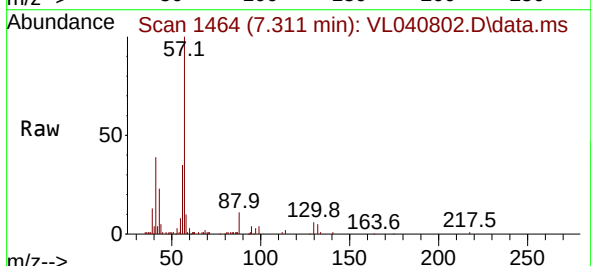
RT: 7.311 min Scan# 1464

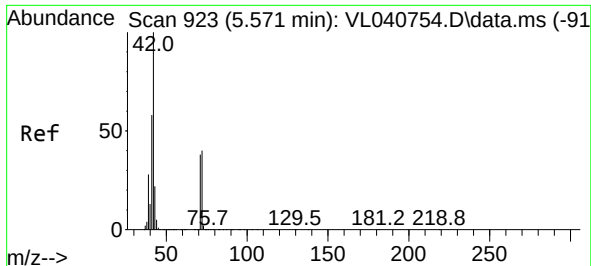
Delta R.T. 0.013 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

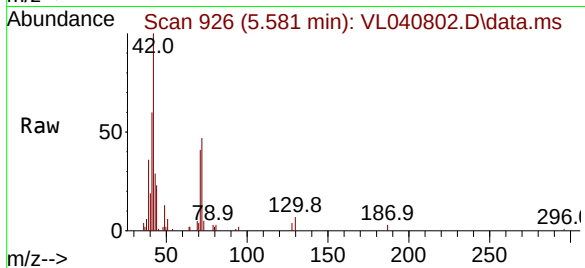
Tgt Ion: 88	Resp: 15526
Ion Ratio	Lower Upper
88 100	
58 0.0	100.0 150.0#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.420 ppbv m
RT: 5.581 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

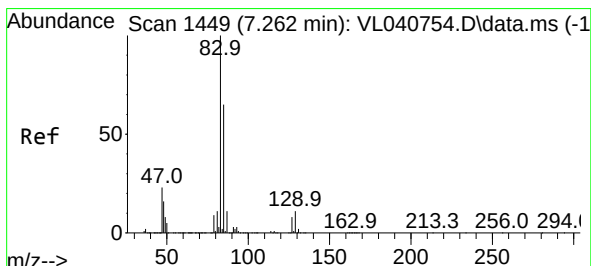
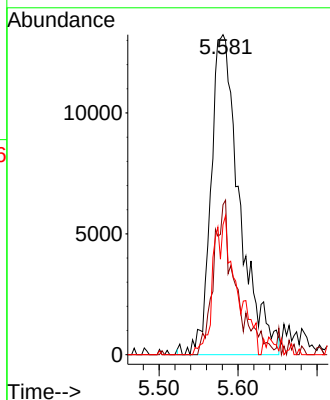
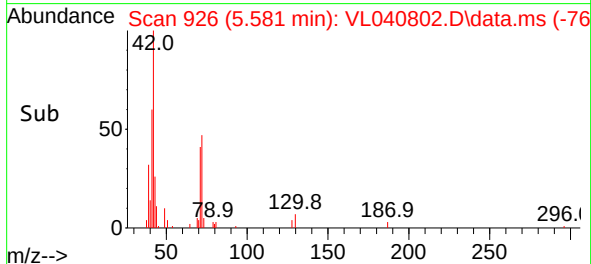
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



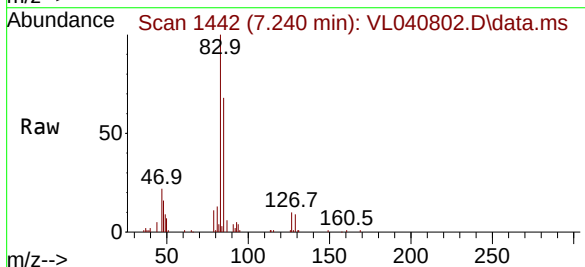
Tgt Ion: 42 Resp: 33428
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7
71 0.0 29.7 44.5

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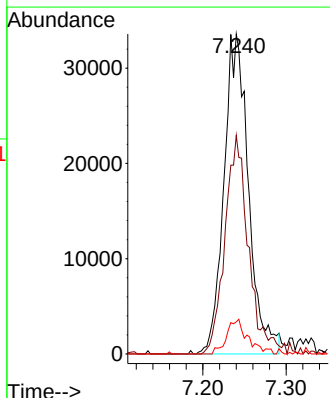
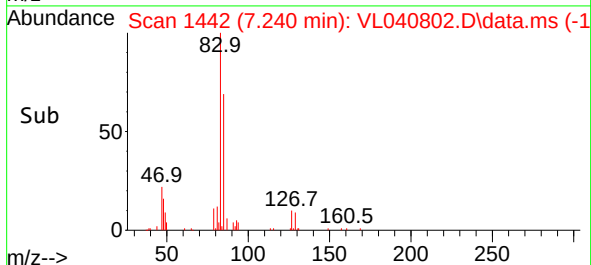
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

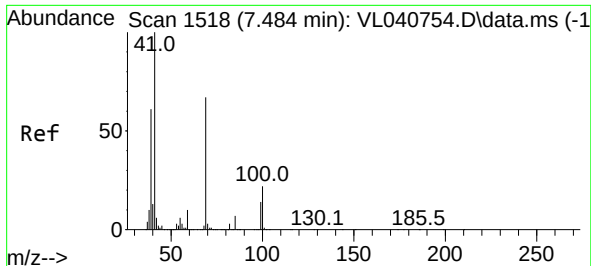


#42
Bromodichloromethane
Concen: 0.461 ppbv m
RT: 7.240 min Scan# 1442
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15



Tgt Ion: 83 Resp: 68951
Ion Ratio Lower Upper
83 100
85 68.3 52.1 78.1
127 10.0 6.7 10.1





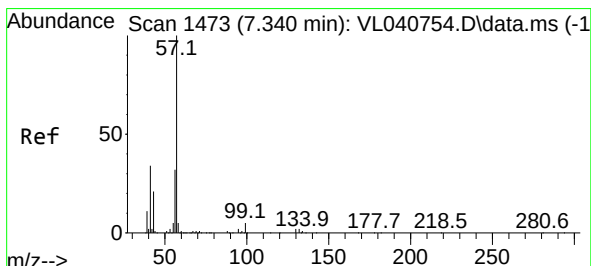
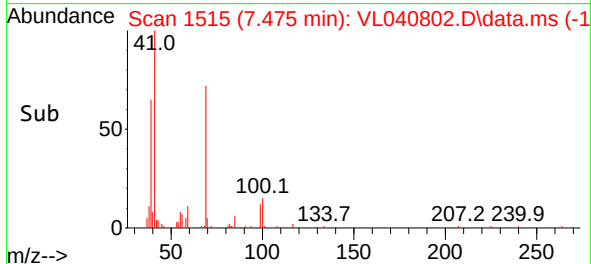
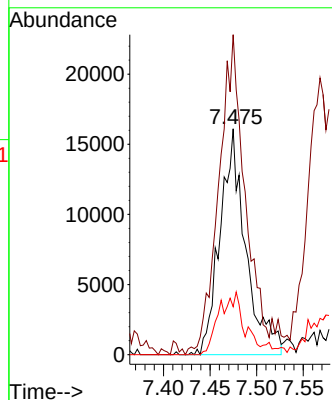
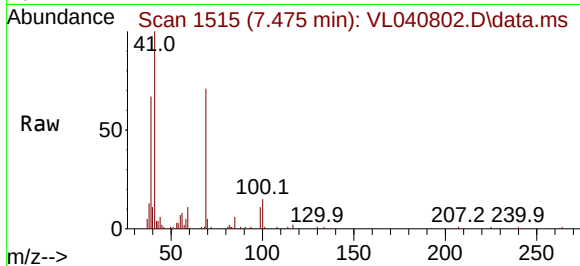
#43
Methyl Methacrylate
Concen: 0.396 ppbv m
RT: 7.475 min Scan# 1
Delta R.T. -0.010 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 69 Resp: 30952
Ion Ratio Lower Upper
69 100
41 0.0 120.6 181.0
100 0.0 27.1 40.7

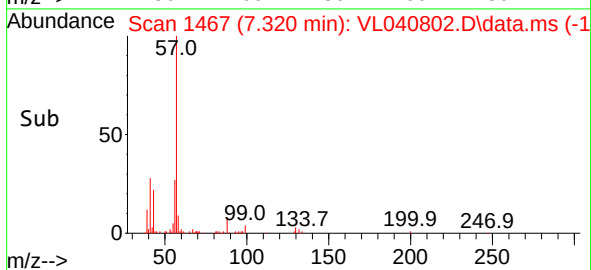
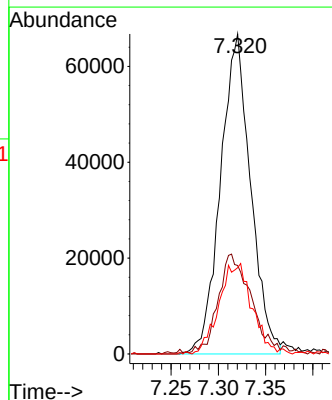
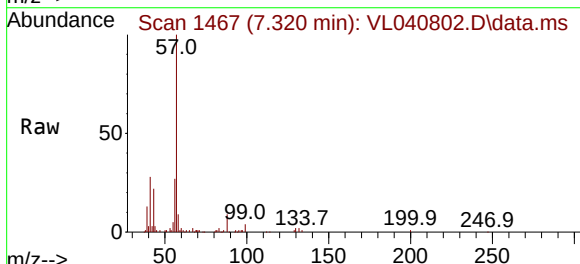
Manual Integrations
APPROVED

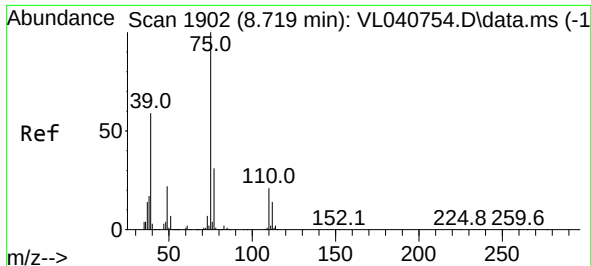
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#44
2,2,4-Trimethylpentane
Concen: 0.446 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 57 Resp: 147268
Ion Ratio Lower Upper
57 100
41 35.4 27.4 41.0
56 31.4 25.0 37.6





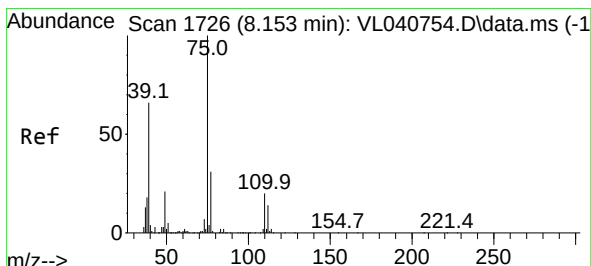
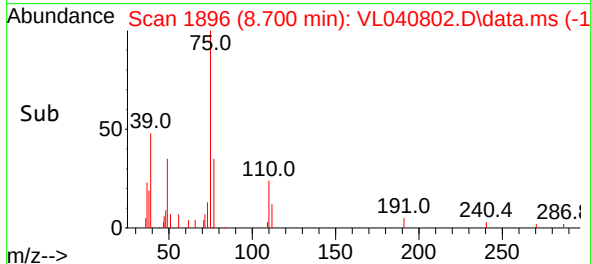
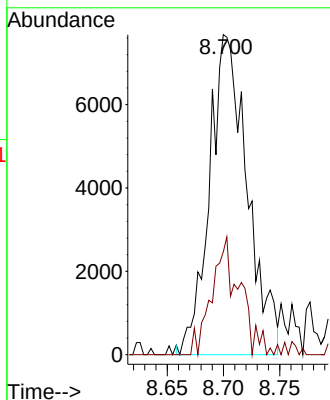
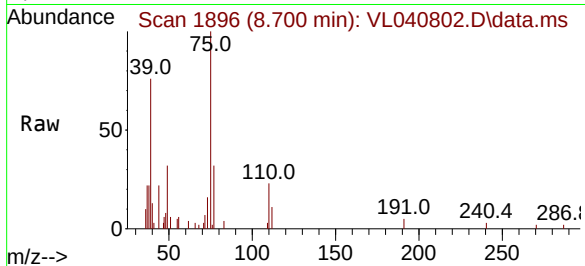
#45
t-1,3-Dichloropropene
Concen: 0.287 ppbv m
RT: 8.700 min Scan# 1790
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 75 Resp: 1790
Ion Ratio Lower Upper
75 100
77 32.2 24.9 37.3

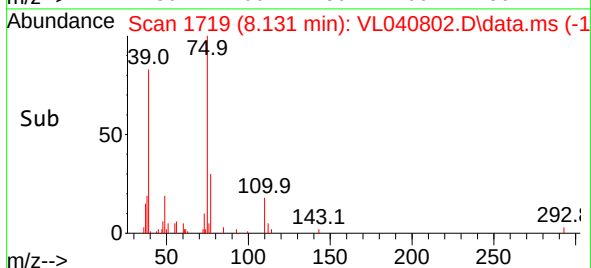
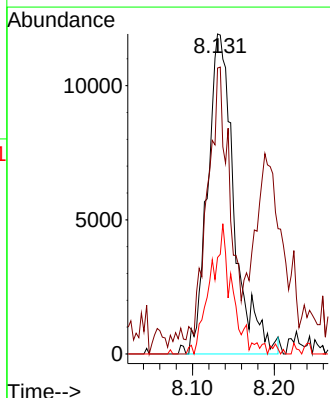
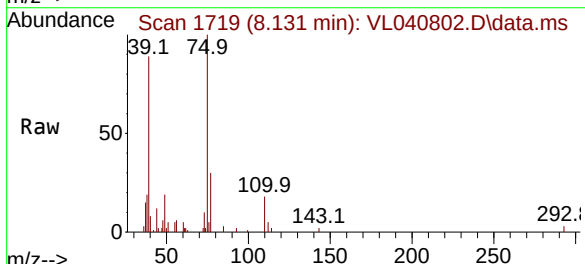
Manual Integrations
APPROVED

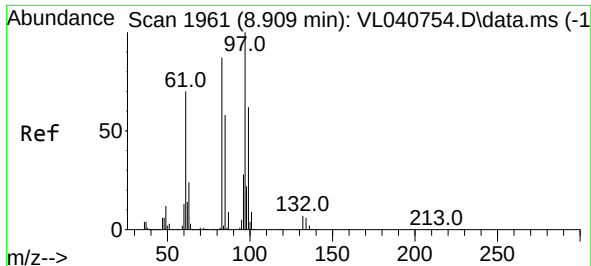
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#46
cis-1,3-Dichloropropene
Concen: 0.355 ppbv m
RT: 8.131 min Scan# 1719
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 75 Resp: 26983
Ion Ratio Lower Upper
75 100
39 89.4 52.4 78.6#
77 30.2 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 0.431 ppbv

RT: 8.883 min Scan# 1961

Delta R.T. -0.026 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

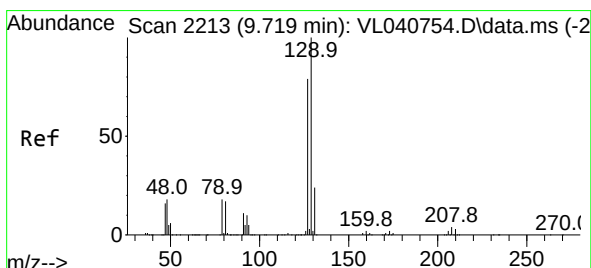
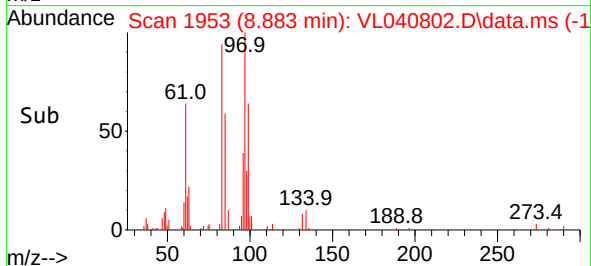
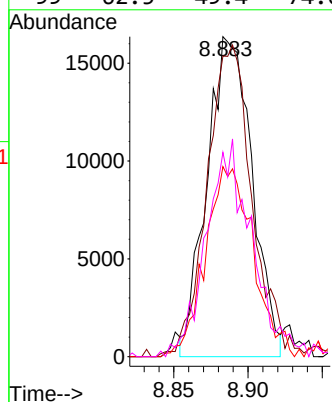
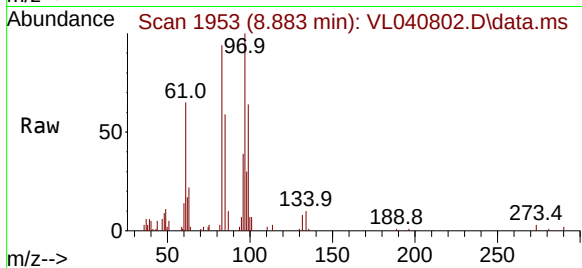
MDL-AIR-03-QT4-2023DL

Tgt Ion: 97	Resp: 3454
Ion Ratio	Lower Upper
97 100	
83 93.8	69.5 104.3
85 60.0	46.6 69.8
99 62.5	49.4 74.0

Manual Integrations

APPROVED

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



#48

Dibromochloromethane

Concen: 0.385 ppbv

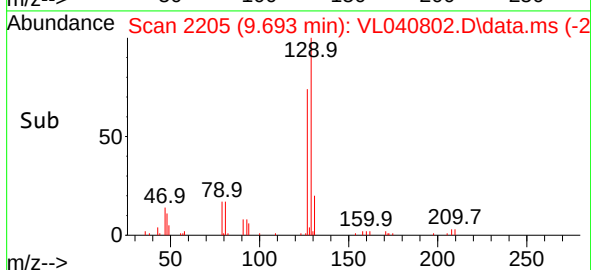
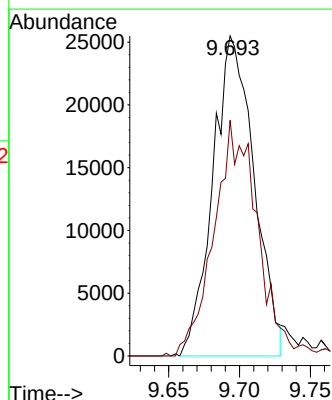
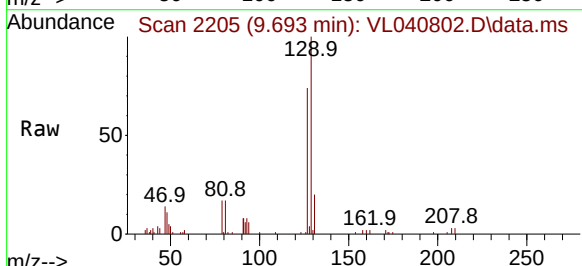
RT: 9.693 min Scan# 2205

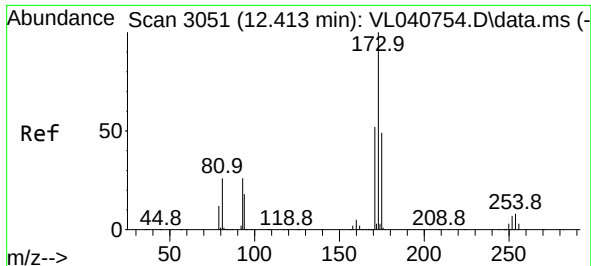
Delta R.T. -0.026 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

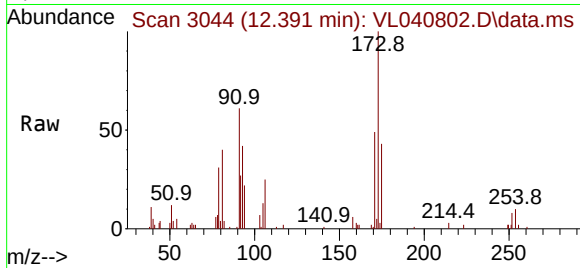
Tgt Ion:129	Resp: 51731
Ion Ratio	Lower Upper
129 100	
127 78.5	39.1 117.3





#49
Bromoform
Concen: 0.332 ppbv m
RT: 12.391 min Scan# 3051
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

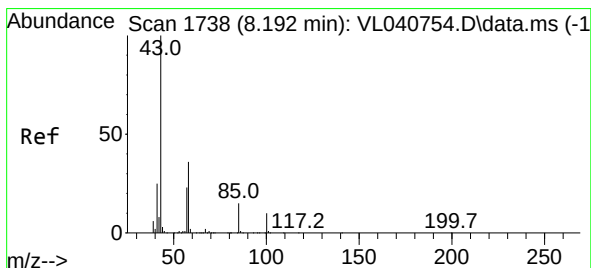
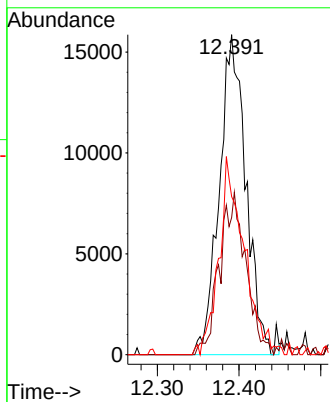
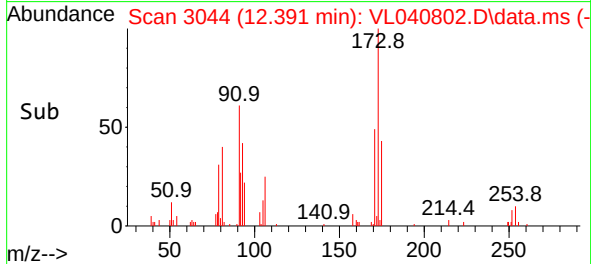
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 173 Resp: 36188
Ion Ratio Lower Upper
173 100
175 50.0 39.2 58.8
171 57.9 42.0 63.0

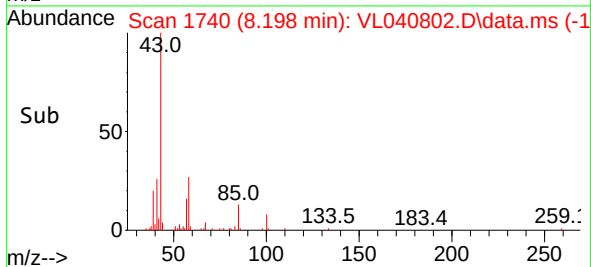
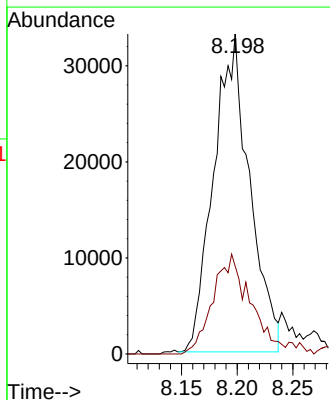
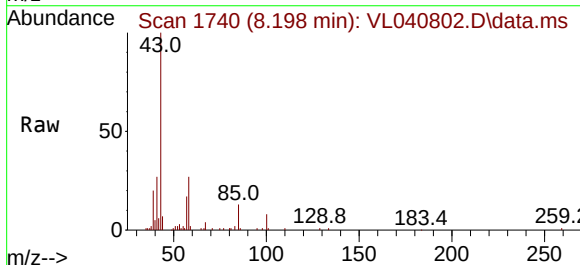
Manual Integrations
APPROVED

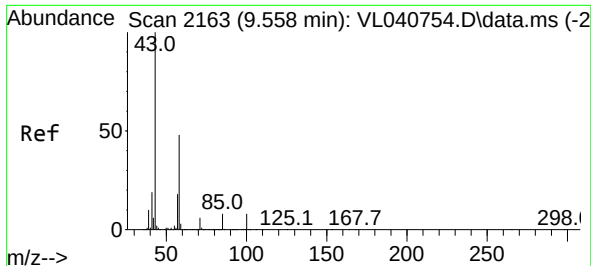
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#50
4-Methyl-2-Pentanone
Concen: 0.379 ppbv
RT: 8.198 min Scan# 1740
Delta R.T. 0.007 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

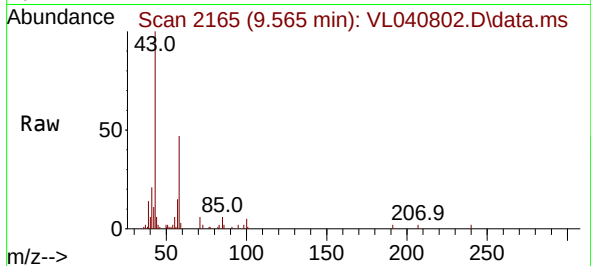
Tgt Ion: 43 Resp: 74411
Ion Ratio Lower Upper
43 100
58 33.9 28.8 43.2





#51
2-Hexanone
Concen: 0.375 ppbv m
RT: 9.565 min Scan# 2163
Delta R.T. 0.007 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

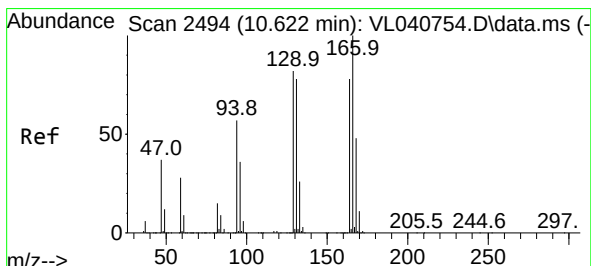
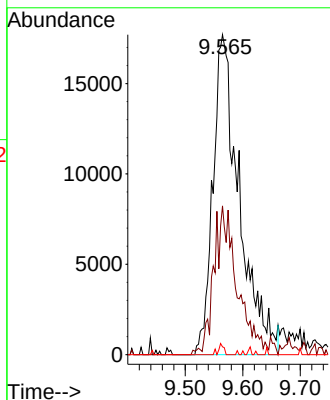
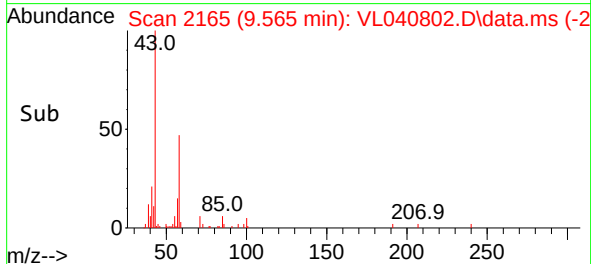
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 43 Resp: 5599
Ion Ratio Lower Upper
43 100
58 41.3 38.6 58.0
98 0.7 0.0 0.0

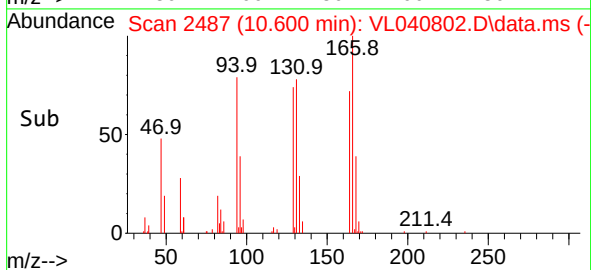
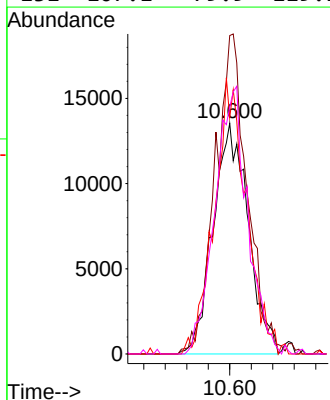
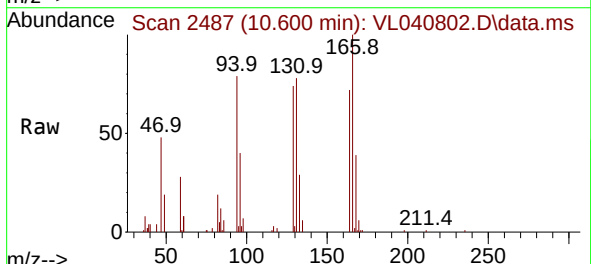
Manual Integrations
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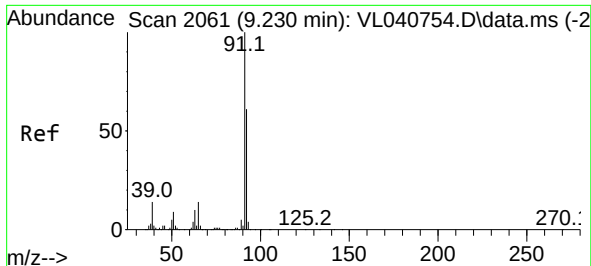
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#52
Tetrachloroethene
Concen: 0.388 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

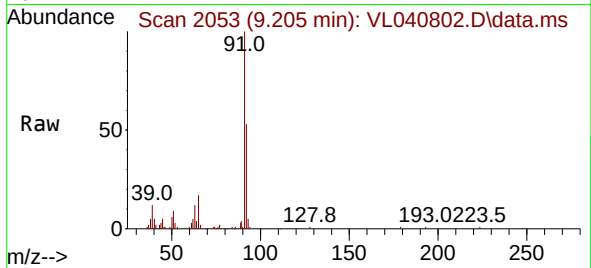
Tgt Ion:164 Resp: 30740
Ion Ratio Lower Upper
164 100
166 138.0 102.4 153.6
129 102.4 84.2 126.4
131 107.1 79.9 119.9





#53
Toluene
Concen: 0.371 ppbv
RT: 9.205 min Scan# 2061
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

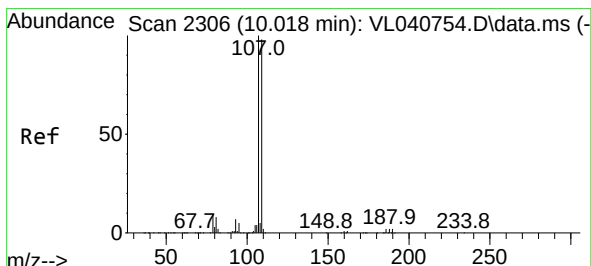
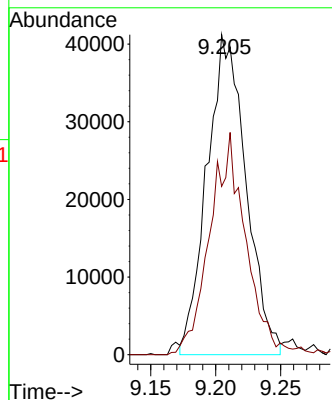
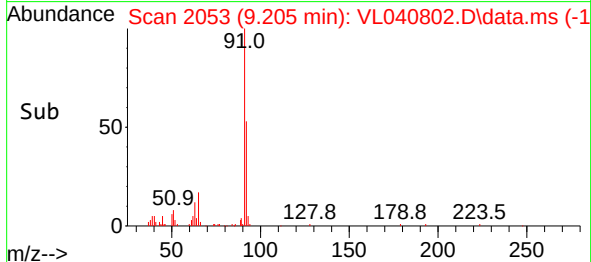
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



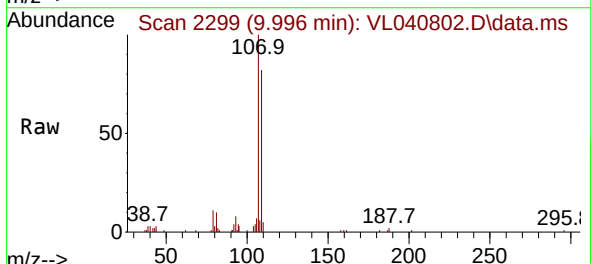
Tgt Ion: 91 Resp: 86148
Ion Ratio Lower Upper
91 100
92 64.4 50.2 75.2

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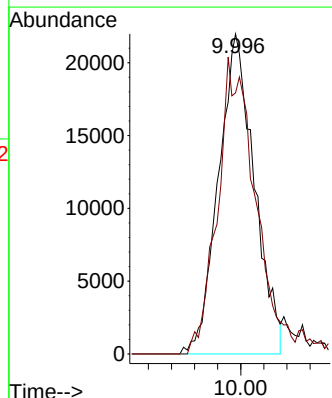
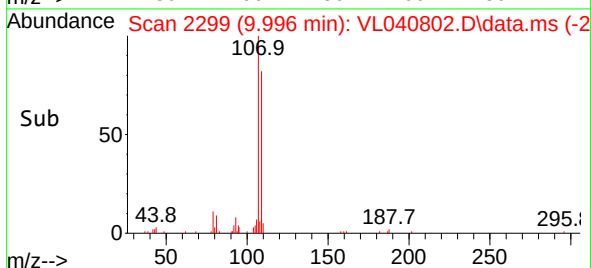
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

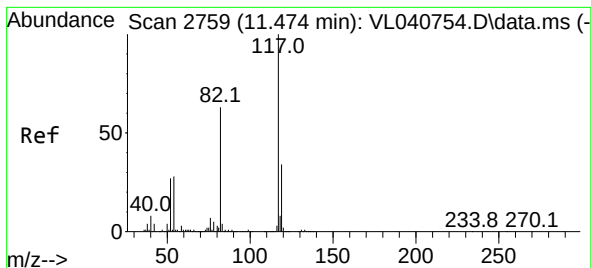


#54
1,2-Dibromoethane
Concen: 0.421 ppbv
RT: 9.996 min Scan# 2299
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15



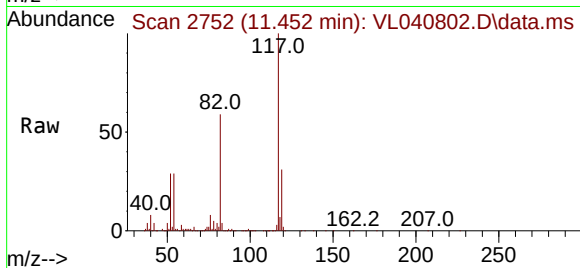
Tgt Ion:107 Resp: 47292
Ion Ratio Lower Upper
107 100
109 81.6 78.2 117.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

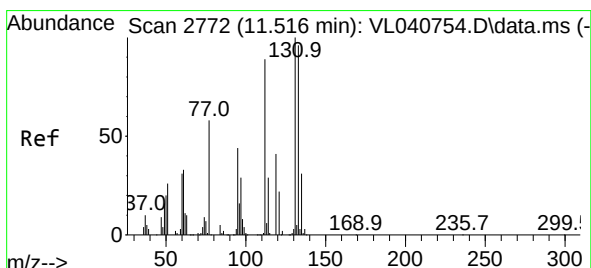
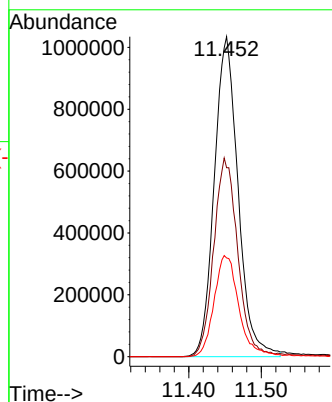
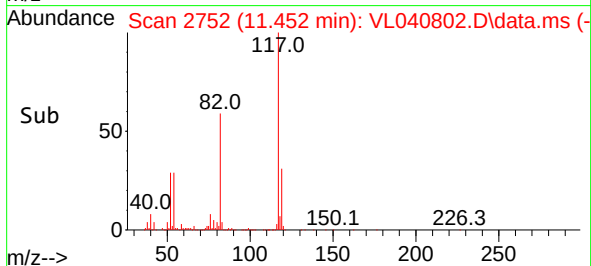
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



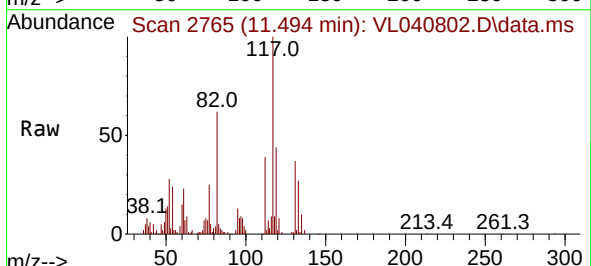
Tgt Ion:117 Resp: 235866
Ion Ratio Lower Upper
117 100
82 63.5 46.6 70.0
119 33.7 26.0 39.0

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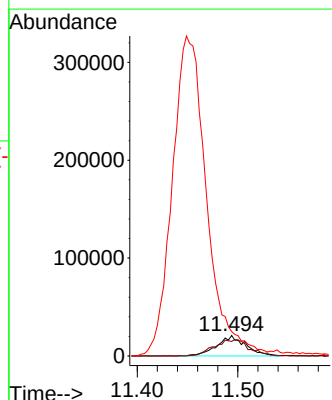
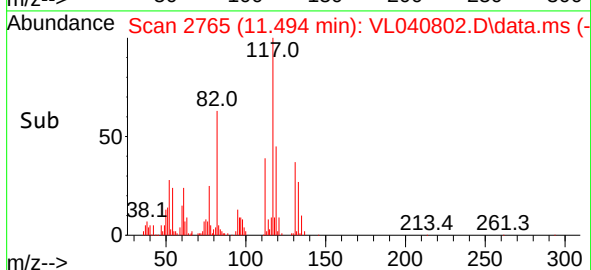
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023

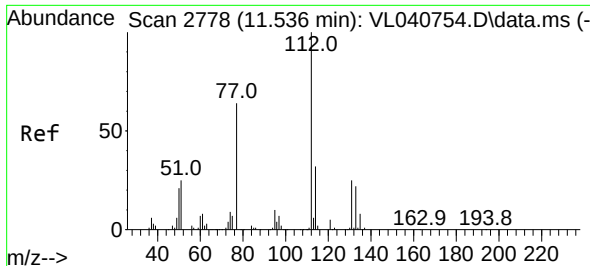


#56
1,1,1,2-Tetrachloroethane
Concen: 0.432 ppbv
RT: 11.494 min Scan# 2765
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15



Tgt Ion:131 Resp: 41614
Ion Ratio Lower Upper
131 100
133 96.6 75.0 112.6
119 1911.3 45.4 68.0#





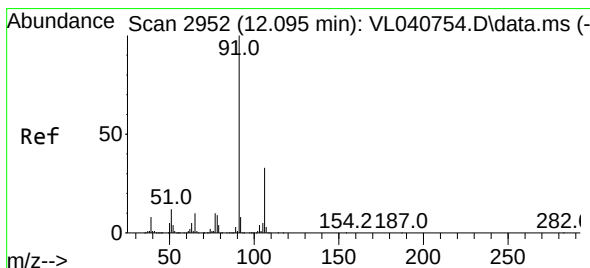
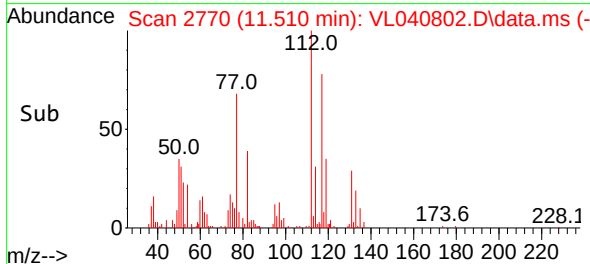
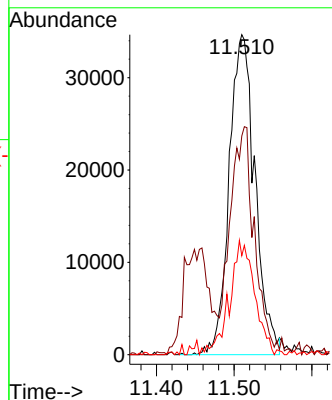
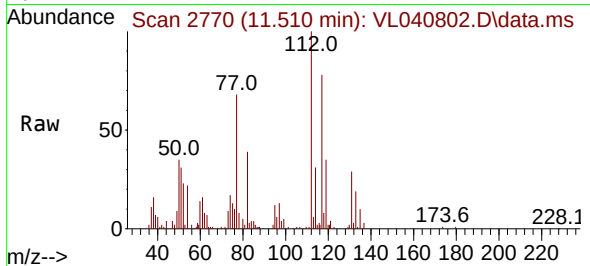
#57
Chlorobenzene
Concen: 0.472 ppbv m
RT: 11.510 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 112 Resp: 79794
Ion Ratio Lower Upper
112 100
77 68.4 51.9 77.9
114 31.0 28.6 35.0

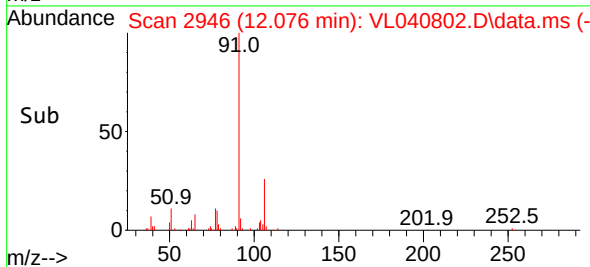
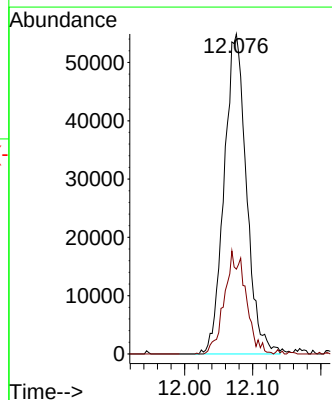
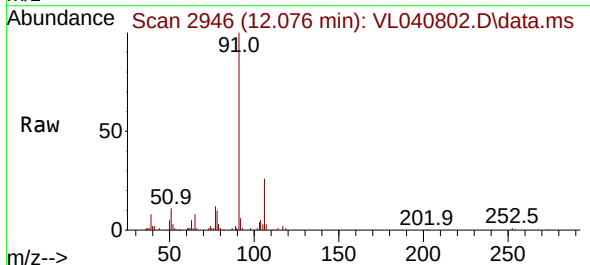
Manual Integrations
APPROVED

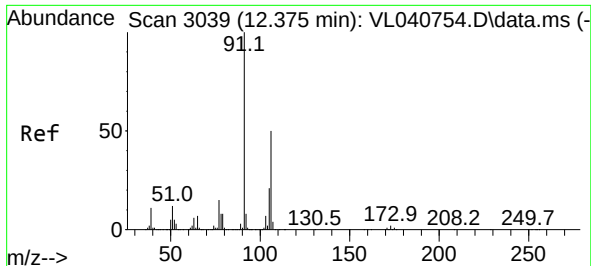
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#58
Ethyl Benzene
Concen: 0.420 ppbv m
RT: 12.076 min Scan# 2946
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 91 Resp: 124805
Ion Ratio Lower Upper
91 100
106 26.5 26.7 40.1#





#59

m/p-Xylene

Concen: 0.872 ppbv m

RT: 12.356 min Scan# 3033

Delta R.T. -0.019 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion: 91 Resp: 21308

Ion Ratio Lower Upper

91 100

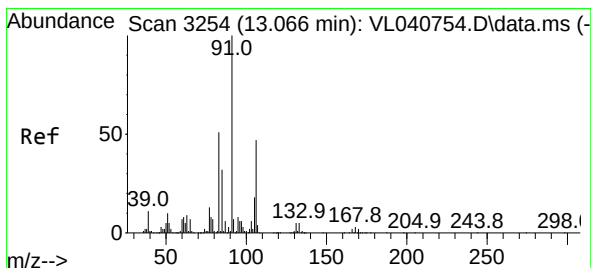
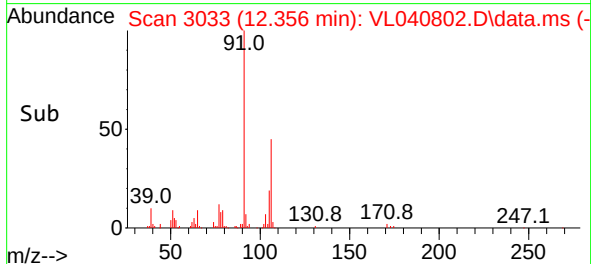
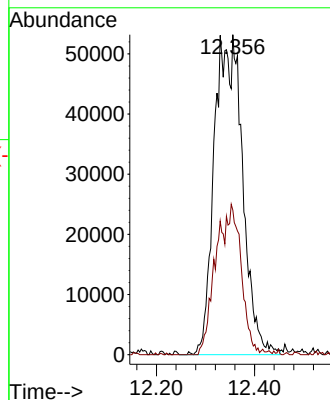
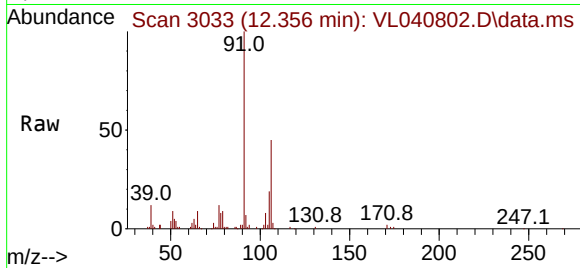
106 42.1 37.7 56.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#60

o-Xylene

Concen: 0.439 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.026 min

Lab File: VL040802.D

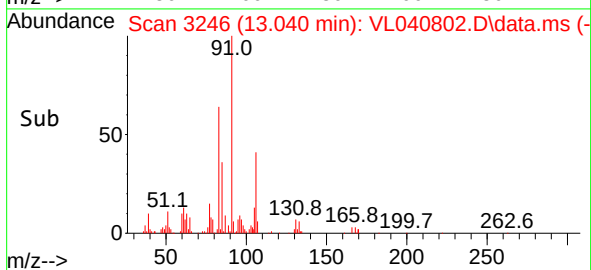
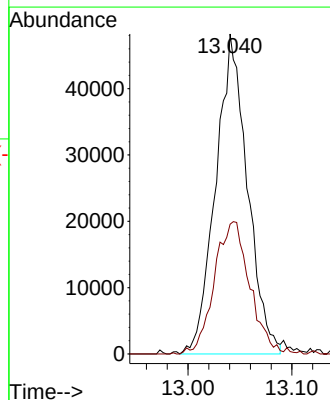
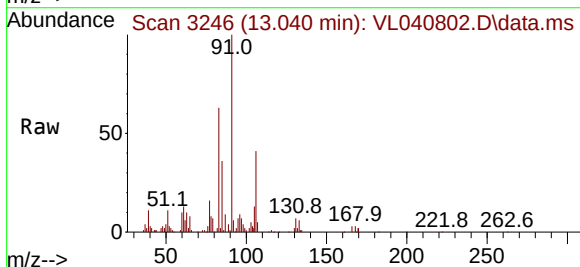
Acq: 25 Oct 2023 16:15

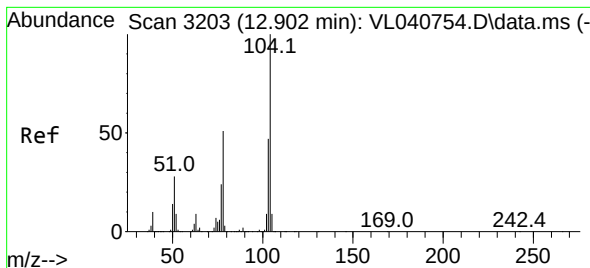
Tgt Ion: 91 Resp: 102313

Ion Ratio Lower Upper

91 100

106 46.3 23.5 70.5





#61

Styrene

Concen: 0.351 ppbv m

RT: 12.886 min Scan# 3198

Delta R.T. -0.016 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

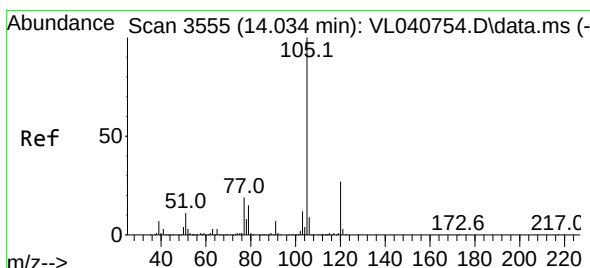
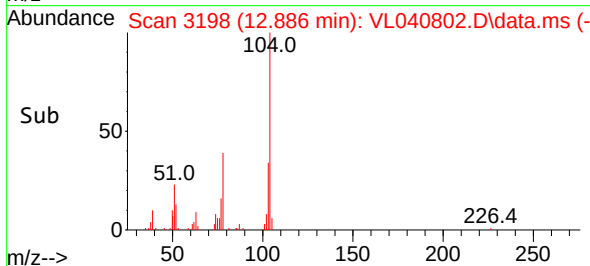
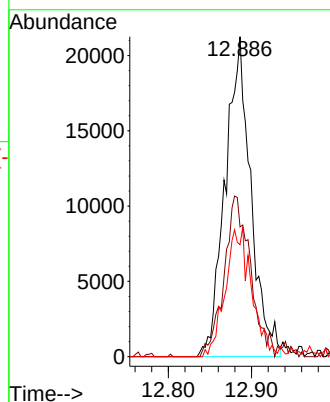
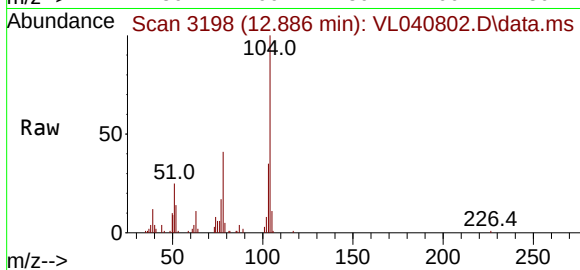
ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:104	Resp:	4528
Ion Ratio	Lower	Upper
104	100	
78	51.5	39.8 59.6
103	41.7	37.5 56.3

Manual Integrations
APPROVED

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



#62

Isopropylbenzene

Concen: 0.450 ppbv m

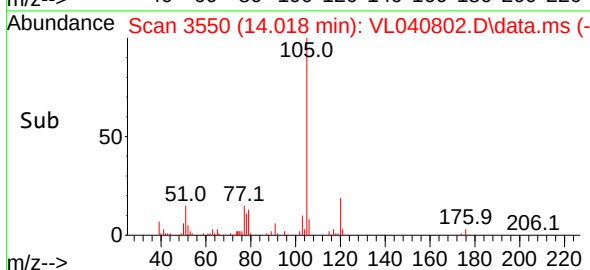
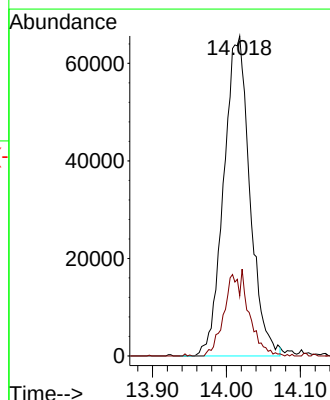
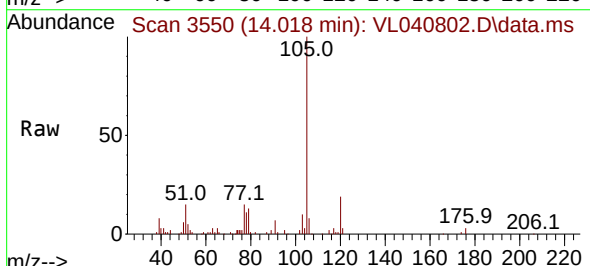
RT: 14.018 min Scan# 3550

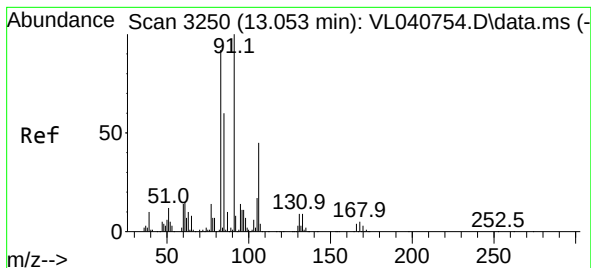
Delta R.T. -0.016 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Tgt Ion:105	Resp:	161196
Ion Ratio	Lower	Upper
105	100	
120	0.0	21.5 32.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.450 ppbv

RT: 13.034 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

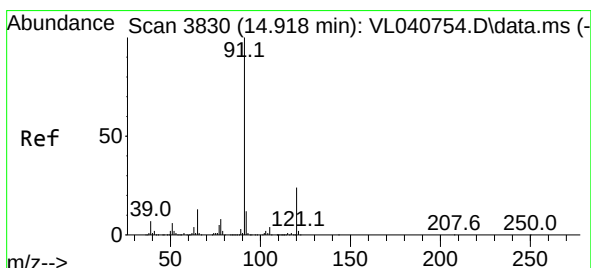
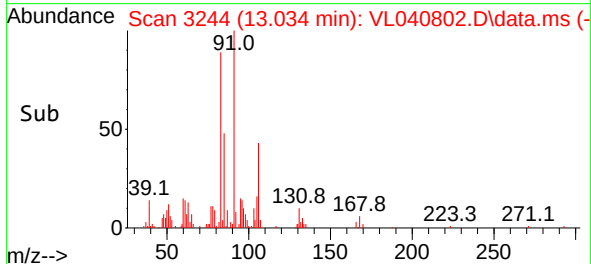
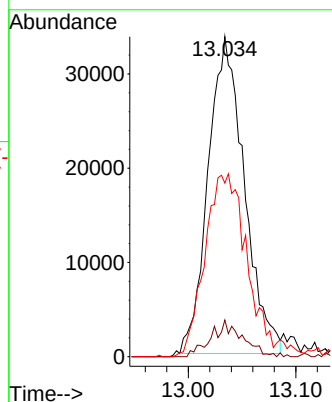
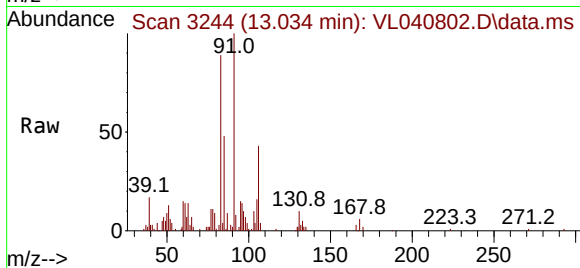
Tgt Ion: 83 Resp: 7851

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	69.2	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: 0.411 ppbv m

RT: 14.905 min Scan# 3826

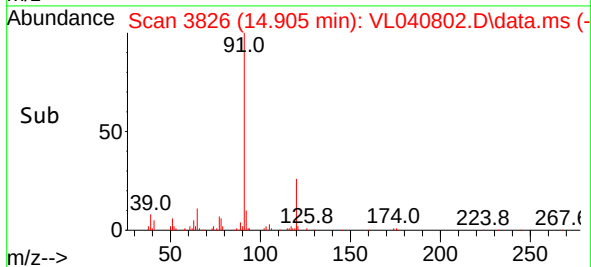
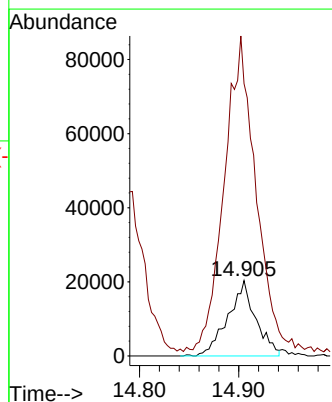
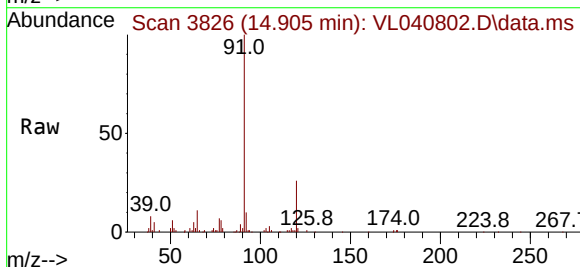
Delta R.T. -0.013 min

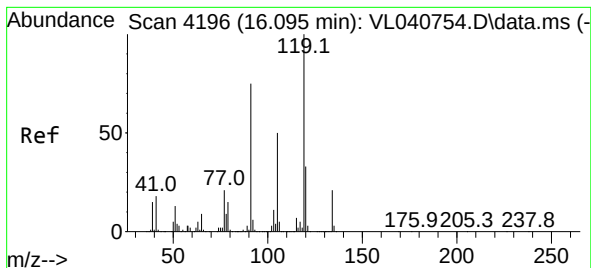
Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Tgt Ion:120 Resp: 39553

Ion	Ratio	Lower	Upper
120	100		
91	507.7	345.9	518.9





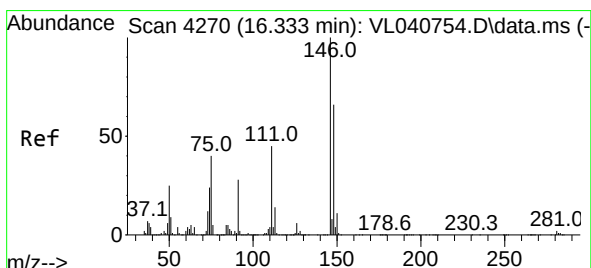
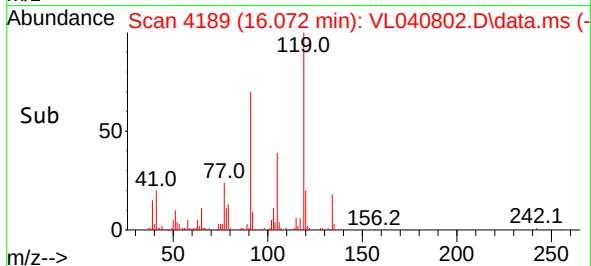
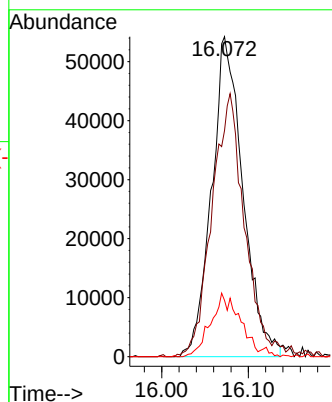
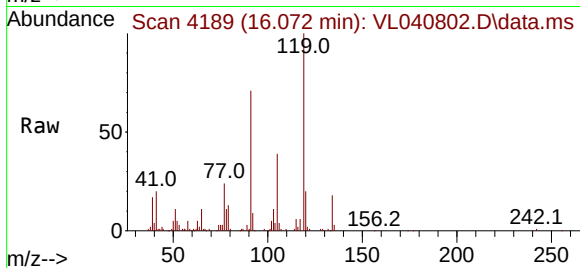
#65
tert-Butylbenzene
Concen: 0.421 ppbv
RT: 16.072 min Scan# 4196
Delta R.T. -0.022 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 119 Resp: 136020
Ion Ratio Lower Upper
119 100
91 86.6 62.2 93.2
134 19.5 16.1 24.1

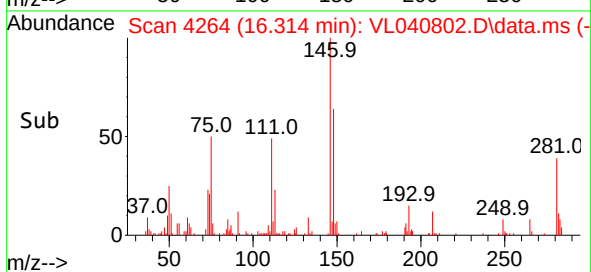
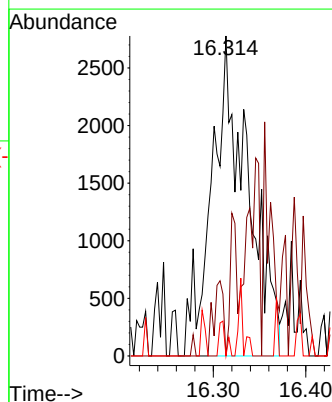
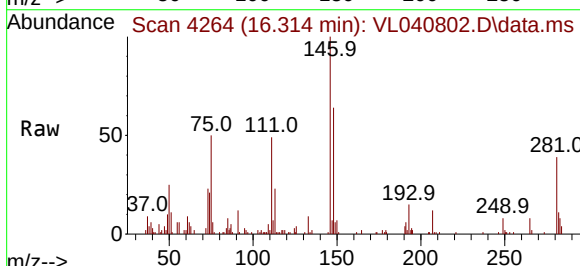
Manual Integrations
APPROVED

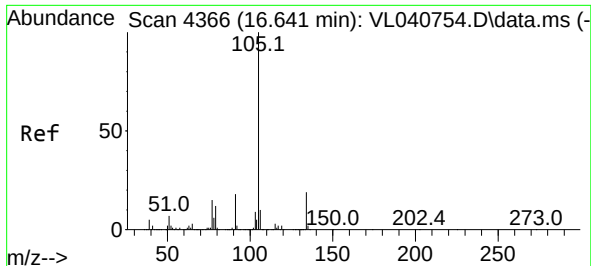
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#66
Benzyl Chloride
Concen: 0.230 ppbv m
RT: 16.314 min Scan# 4264
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

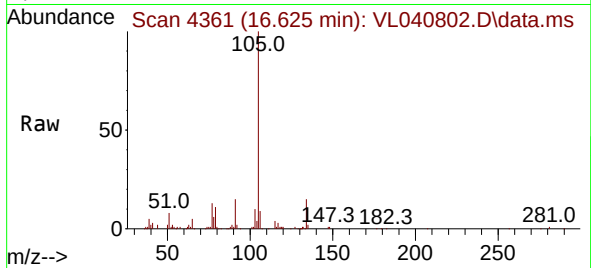
Tgt Ion: 91 Resp: 7483
Ion Ratio Lower Upper
91 100
126 34.8 16.1 24.1#
128 0.0 5.2 7.8#





#67
 sec-Butylbenzene
 Concen: 0.445 ppbv
 RT: 16.625 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

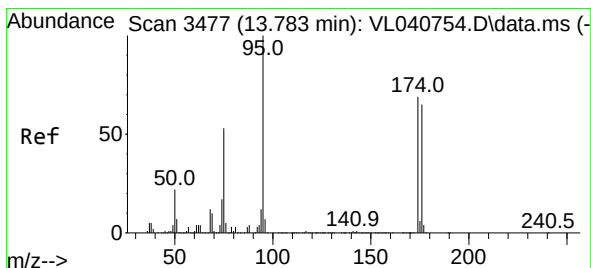
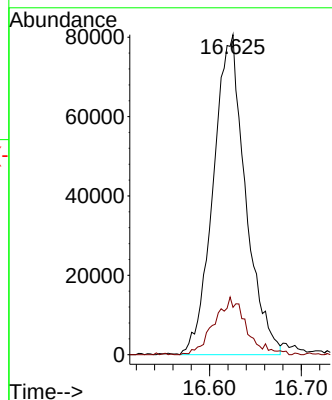
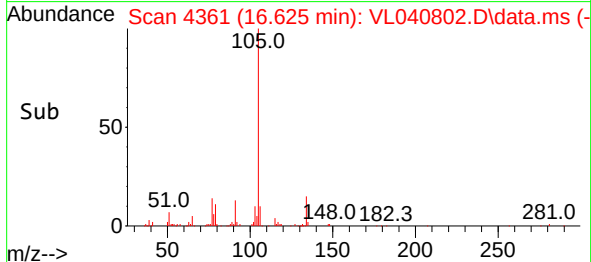
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion:105 Resp: 19685
 Ion Ratio Lower Upper
 105 100
 134 17.9 15.4 23.2

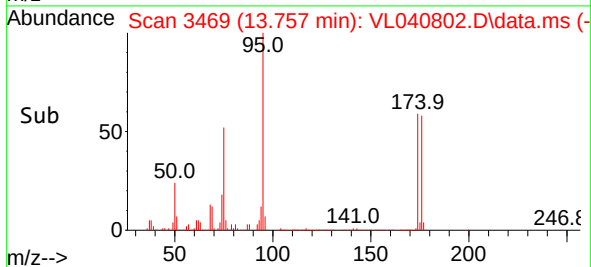
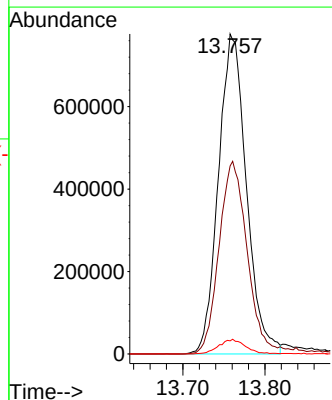
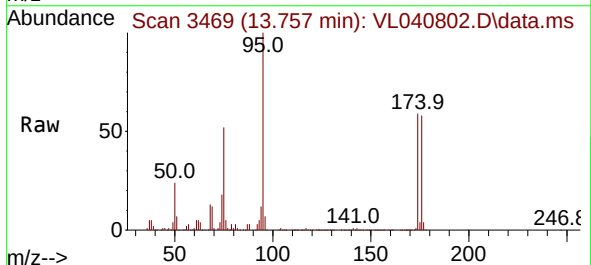
Manual Integrations
 APPROVED

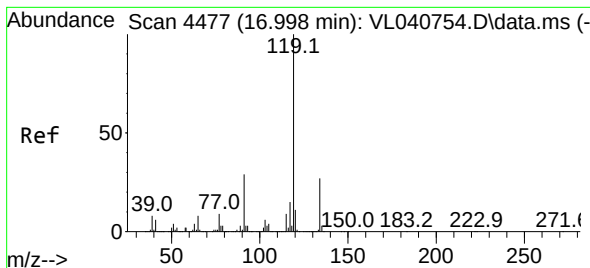
Reviewed By :Semsettin Yesilyurt 10/26/2023
 Supervised By :Mahesh Dadoda 10/26/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.586 ppbv
 RT: 13.757 min Scan# 3469
 Delta R.T. -0.026 min
 Lab File: VL040802.D
 Acq: 25 Oct 2023 16:15

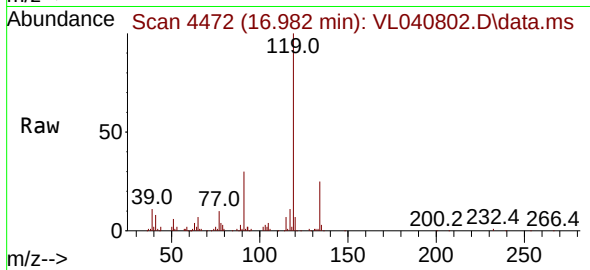
Tgt Ion: 95 Resp: 1837292
 Ion Ratio Lower Upper
 95 100
 174 63.3 54.7 82.1
 175 4.5 4.2 6.4





#69
p-Isopropyltoluene
Concen: 0.411 ppbv
RT: 16.982 min Scan# 4477
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

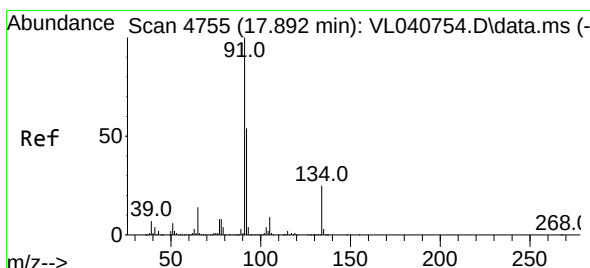
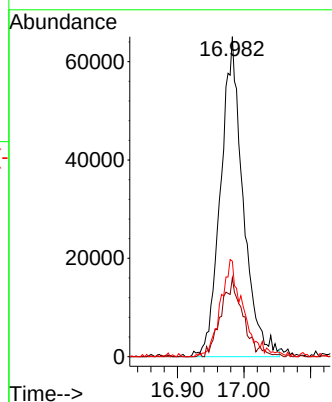
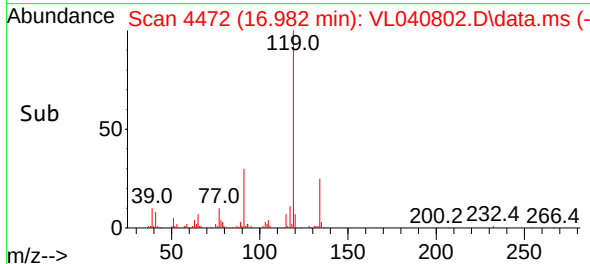
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:119 Resp: 15252
Ion Ratio Lower Upper
119 100
134 0.0 21.0 31.4
91 0.0 22.8 34.2

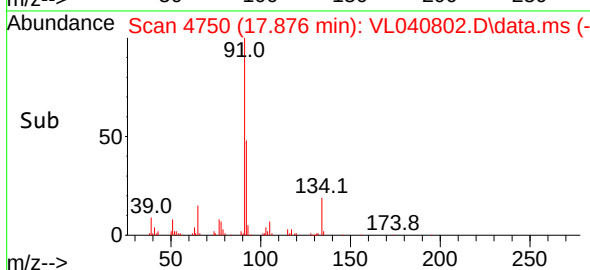
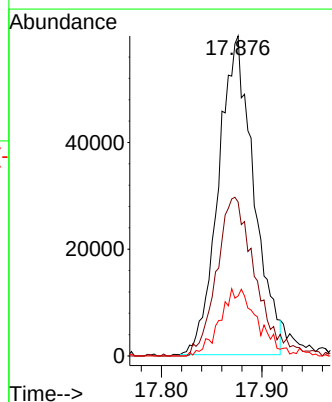
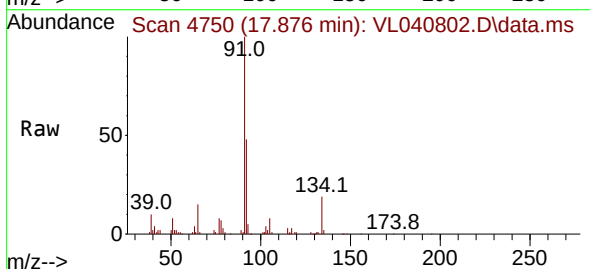
Manual Integrations
APPROVED

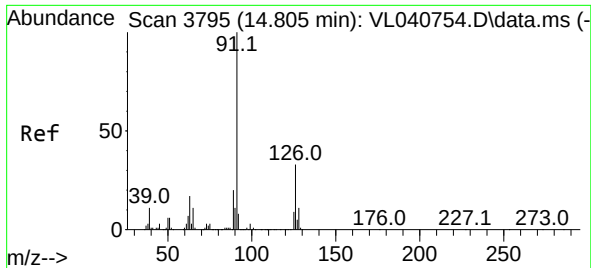
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#70
n-Butylbenzene
Concen: 0.400 ppbv
RT: 17.876 min Scan# 4750
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion: 91 Resp: 145682
Ion Ratio Lower Upper
91 100
92 55.1 44.1 66.1
134 22.4 19.5 29.3





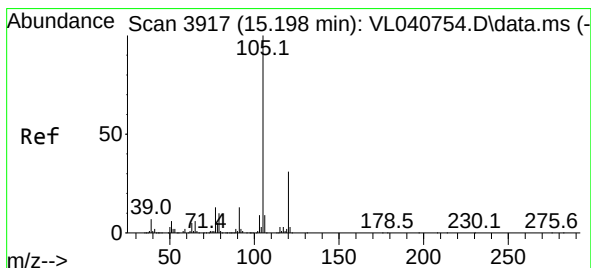
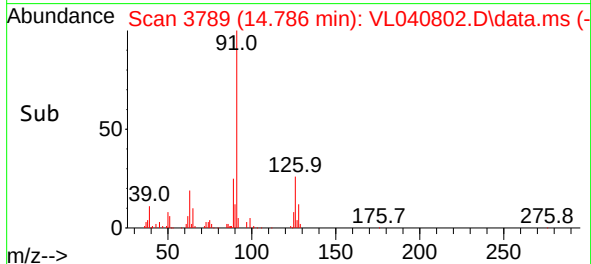
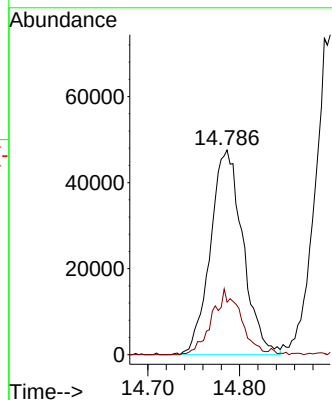
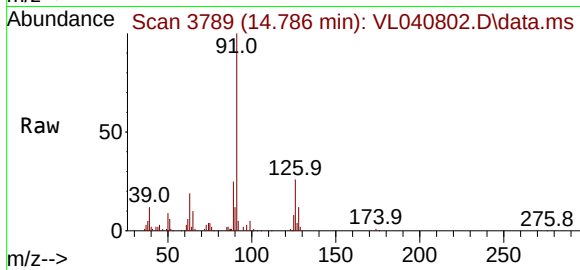
#71
2-Chlorotoluene
Concen: 0.435 ppbv
RT: 14.786 min Scan# 311
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

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

Tgt Ion: 91 Resp: 116986
Ion Ratio Lower Upper
91 100
126 29.3 13.3 53.1

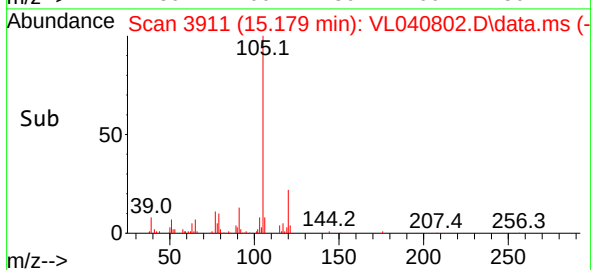
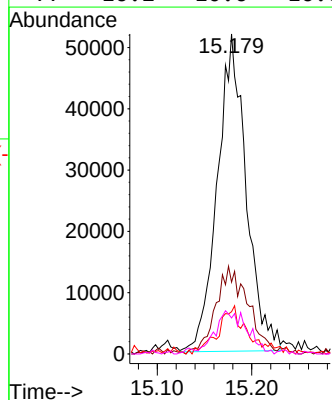
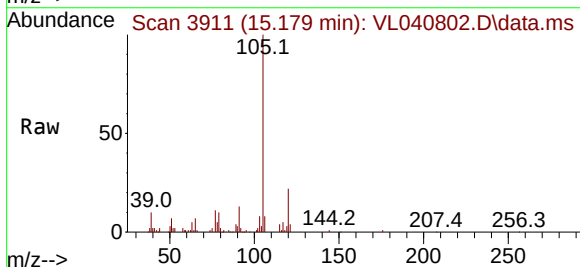
Manual Integrations
APPROVED

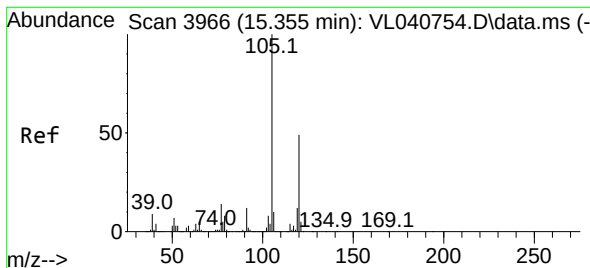
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#72
4-Ethyltoluene
Concen: 0.402 ppbv
RT: 15.179 min Scan# 3911
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

Tgt Ion:105 Resp: 109686
Ion Ratio Lower Upper
105 100
120 31.8 25.0 37.4
91 17.1 9.8 14.8#
77 16.2 10.6 16.0#





#73

1,3,5-Trimethylbenzene

Concen: 0.417 ppbv

RT: 15.333 min Scan# 3966

Delta R.T. -0.022 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL

Tgt Ion:105 Resp: 100208

Ion Ratio Lower Upper

105 100

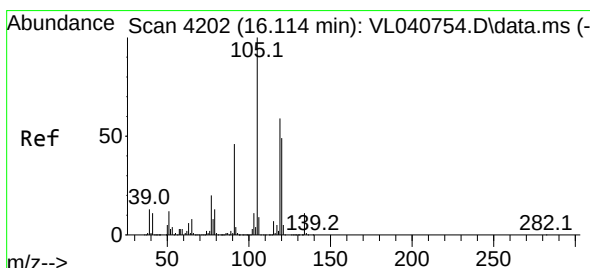
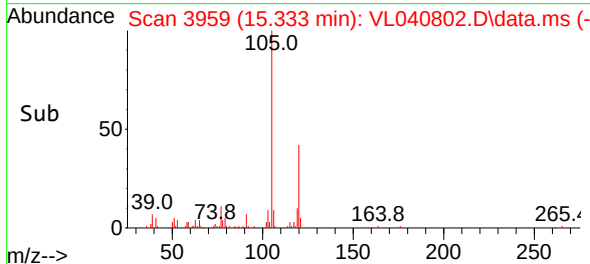
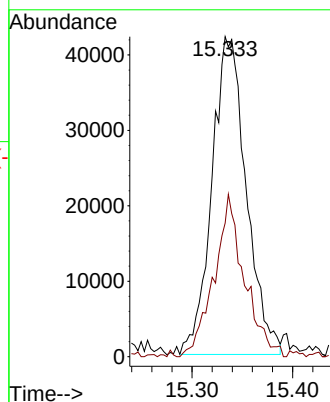
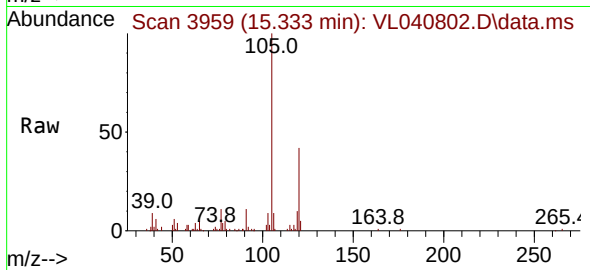
120 47.4 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.435 ppbv m

RT: 16.089 min Scan# 4194

Delta R.T. -0.026 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15

Tgt Ion:105 Resp: 114035

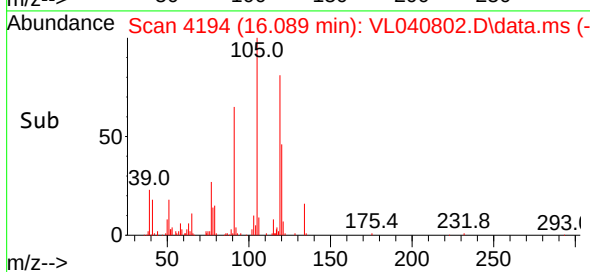
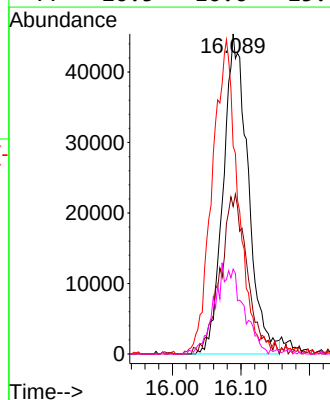
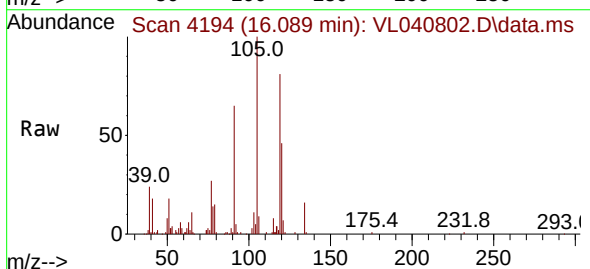
Ion Ratio Lower Upper

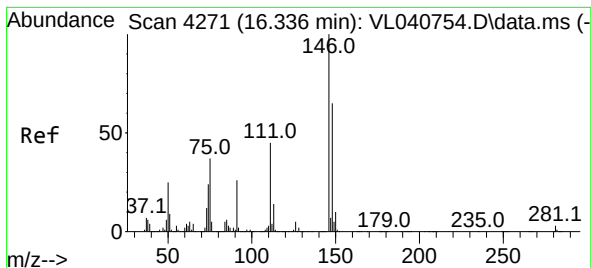
105 100

120 46.1 39.4 59.2

91 64.9 38.6 58.0#

77 26.5 16.6 25.0#





#75

1,3-Dichlorobenzene

Concen: 0.408 ppbv m

RT: 16.320 min Scan# 4310

Delta R.T. -0.016 min

Lab File: VL040802.D

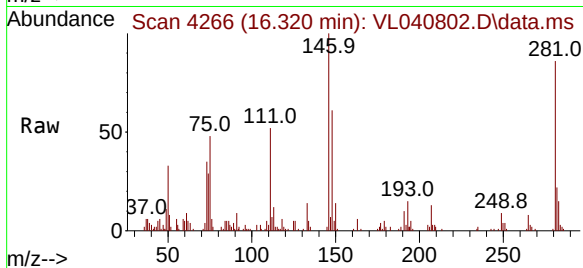
Acq: 25 Oct 2023 16:15

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 6659

Ion Ratio Lower Upper

146 100

111 53.2 22.6 67.7

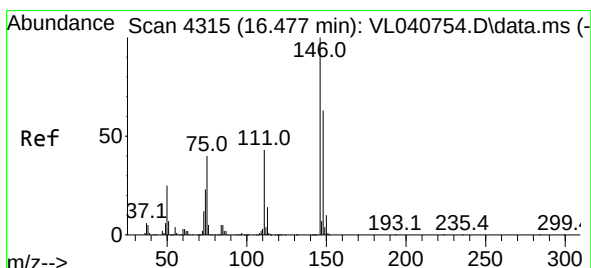
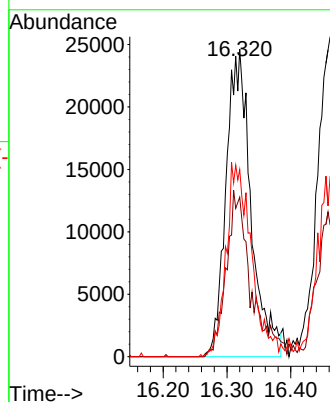
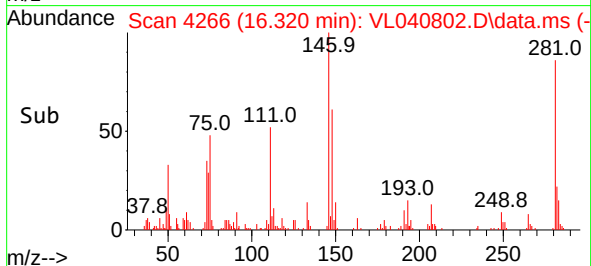
148 64.9 32.4 97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/26/2023

Supervised By :Mahesh Dadoda 10/26/2023



#76

1,4-Dichlorobenzene

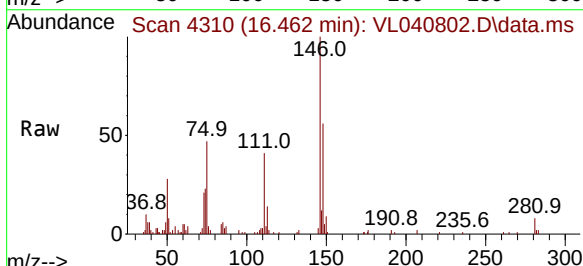
Concen: 0.416 ppbv m

RT: 16.462 min Scan# 4310

Delta R.T. -0.016 min

Lab File: VL040802.D

Acq: 25 Oct 2023 16:15



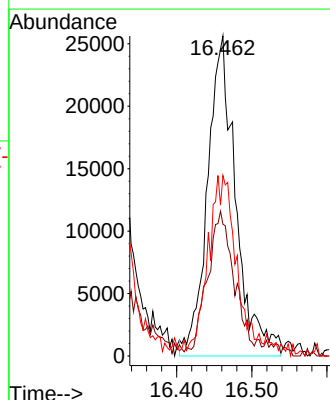
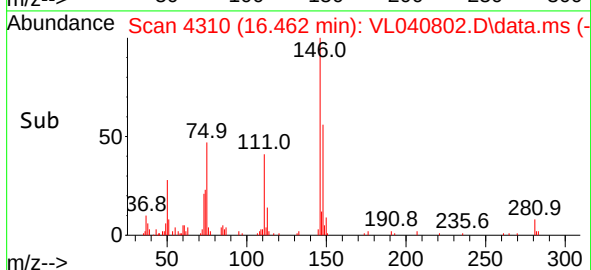
Tgt Ion:146 Resp: 67246

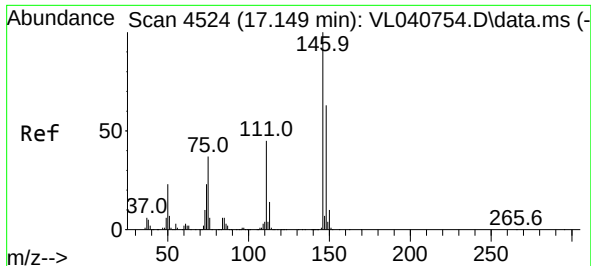
Ion Ratio Lower Upper

146 100

111 46.7 22.0 66.0

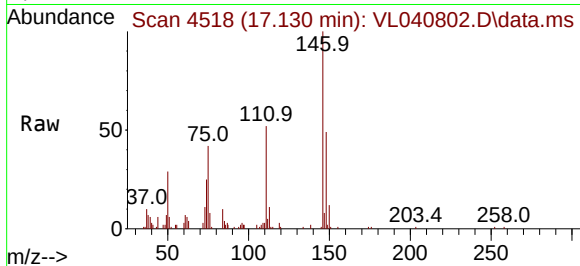
148 61.4 33.4 100.1





#77
1,2-Dichlorobenzene
Concen: 0.387 ppbv
RT: 17.130 min Scan# 41
Delta R.T. -0.019 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

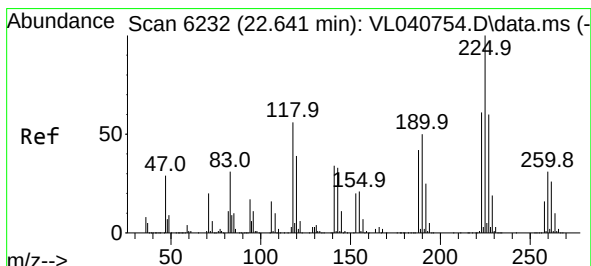
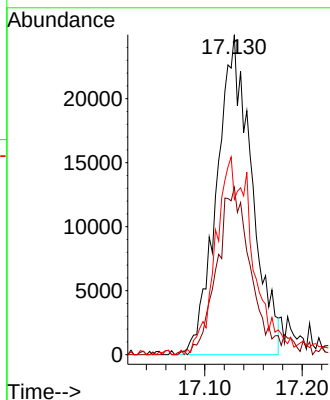
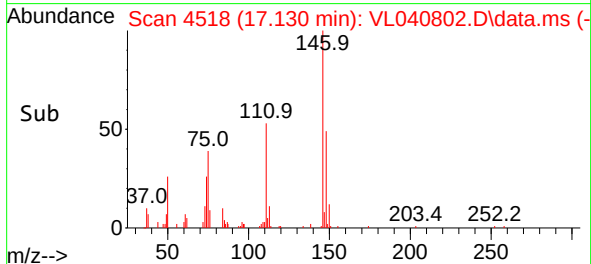
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:146 Resp: 61940
Ion Ratio Lower Upper
146 100
111 54.5 22.9 68.8
148 67.9 32.3 96.8

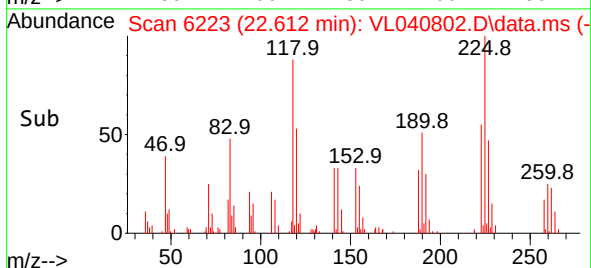
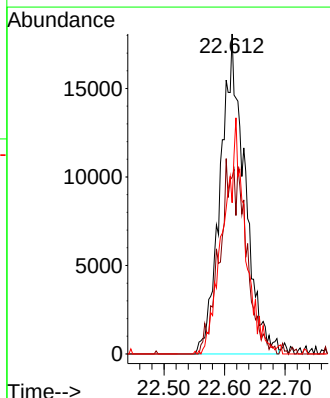
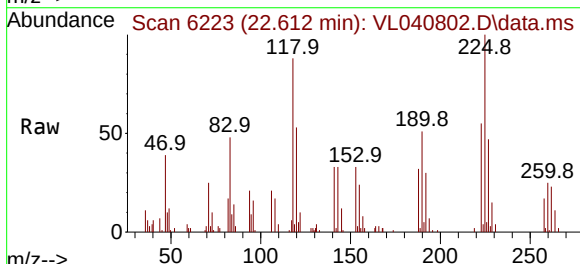
Manual Integrations
APPROVED

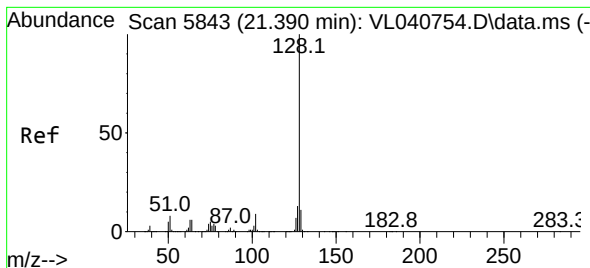
Reviewed By :Semsettin Yesilyurt 10/26/2023
Supervised By :Mahesh Dadoda 10/26/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.442 ppbv m
RT: 22.612 min Scan# 6223
Delta R.T. -0.029 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

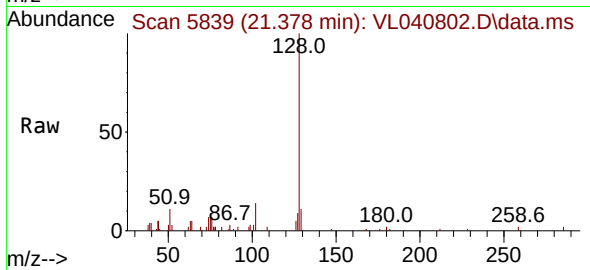
Tgt Ion:225 Resp: 50628
Ion Ratio Lower Upper
225 100
223 65.3 50.7 76.1
227 0.0 51.4 77.0#





#79
Naphthalene
Concen: 0.224 ppbv m
RT: 21.378 min Scan# 5839
Delta R.T. -0.013 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15

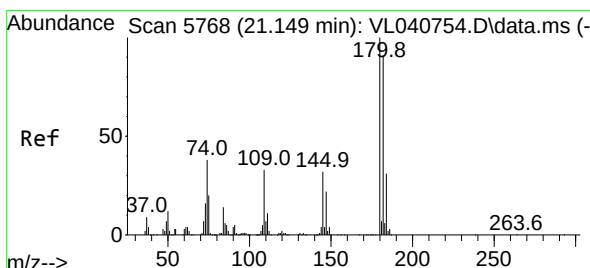
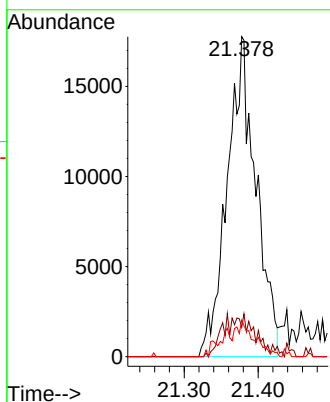
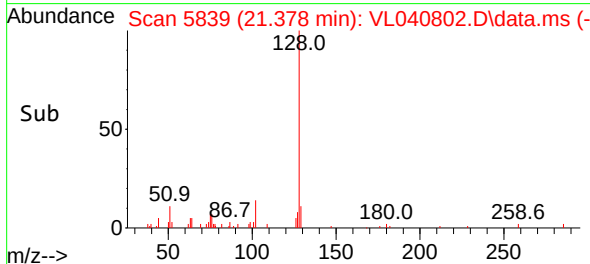
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



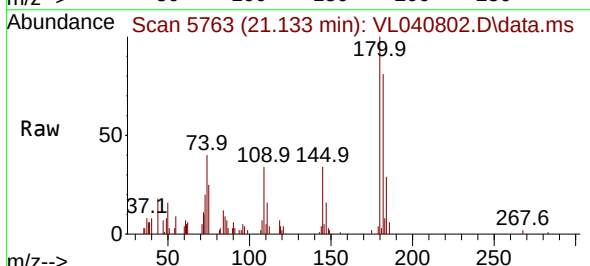
Tgt Ion:128 Resp: 47772
Ion Ratio Lower Upper
128 100
127 9.2 10.6 15.8#
129 11.5 9.0 13.4#

Manual Integrations
APPROVED

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



#81
1,2,4-Trichlorobenzene
Concen: 0.287 ppbv m
RT: 21.133 min Scan# 5763
Delta R.T. -0.016 min
Lab File: VL040802.D
Acq: 25 Oct 2023 16:15



Tgt Ion:180 Resp: 33274
Ion Ratio Lower Upper
180 100
182 0.0 77.9 116.9#
184 0.0 25.0 37.6#

