

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040746.D
 Acq On : 4 Oct 2023 18:53
 Operator : SY/MD
 Sample : 04699-13 LOD 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 05 04:28:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

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

Internal Standards						
1) Bromochloromethane	5.188	49	833755	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2266385	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1881357	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1469473	10.109	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 101.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	118696	0.646	ppbv	96
3) Chlorodifluoromethane	2.690	51	81680	0.601	ppbv	100
4) Chloromethane	2.828	50	30108	0.579	ppbv	95
5) Vinyl Chloride	2.931	62	27730	0.451	ppbv #	83
6) Bromomethane	3.131	94	15708	0.530	ppbv	96
7) Chloroethane	3.208	64	12199	0.578	ppbv	92
8) Dichlorotetrafluoroethane	2.867	85	94361	0.622	ppbv	97
9) Propene	2.713	41	20238	0.517	ppbv	99
10) Heptane	7.571	43	37139	0.421	ppbv	95
11) Trichlorofluoromethane	3.568	101	94201	0.583	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	67963	0.588	ppbv	100
13) Ethanol	3.269	45	6993m	0.604	ppbv	
14) Bromoethene	3.378	108	26439	0.546	ppbv #	96
15) Acetone	3.491	43	71733	0.652	ppbv #	88
16) 1,3-Butadiene	2.996	39	24722m	0.516	ppbv	
17) tert-Butyl alcohol	3.902	59	47284	0.420	ppbv #	93
18) 1,1-Dichloroethene	3.883	96	28006	0.545	ppbv	85
19) Isopropyl Alcohol	3.603	45	31651m	0.478	ppbv	
20) Methylene Chloride	3.934	84	38609	0.652	ppbv	92
21) Allyl Chloride	4.002	41	32367	0.480	ppbv	85
22) trans-1,2-Dichloroethene	4.442	96	29078m	0.573	ppbv	
23) Vinyl Acetate	4.635	43	62479	0.549	ppbv #	92
24) 1,1-Dichloroethane	4.565	63	60639	0.570	ppbv	100
25) Ethyl Acetate	5.208	43	86123	0.486	ppbv	97
26) Hexane	5.208	57	43591m	0.520	ppbv	
27) Carbon Disulfide	4.127	76	53933	0.461	ppbv #	79
28) Methyl tert-Butyl Ether	4.597	73	40106	0.556	ppbv	98
29) Chloroform	5.272	83	79519	0.549	ppbv	87
30) Cyclohexane	6.590	84	23600m	0.374	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	36500	0.469	ppbv	94
32) 1,1,1-Trichloroethane	5.995	97	75199	0.508	ppbv	94
34) 2-Butanone	4.803	43	57162m	0.502	ppbv	
35) Carbon Tetrachloride	6.481	117	81459m	0.523	ppbv	
36) Benzene	6.359	78	68275	0.407	ppbv	97
37) 1,2-Dichloroethane	5.803	62	55792	0.486	ppbv	100
38) Trichloroethene	7.278	130	29750m	0.465	ppbv	
39) 1,2-Dichloropropane	7.063	63	30716m	0.475	ppbv	
40) 1,4-Dioxane	7.323	88	9103m	0.373	ppbv	
41) Tetrahydrofuran	5.581	42	24420m	0.418	ppbv	
42) Bromodichloromethane	7.240	83	69874	0.446	ppbv	93
43) Methyl Methacrylate	7.471	69	23233m	0.372	ppbv	
44) 2,2,4-Trimethylpentane	7.317	57	109994	0.412	ppbv #	88
45) t-1,3-Dichloropropene	8.703	75	16800m	0.347	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:28:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

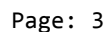
Response via : Initial Calibration

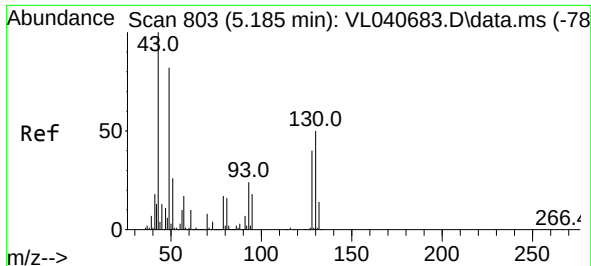
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	23067m	0.390	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	34344	0.463	ppbv #	87
48) Dibromochloromethane	9.693	129	52525m	0.429	ppbv	
49) Bromoform	12.391	173	39354	0.392	ppbv	92
50) 4-Methyl-2-Pentanone	8.195	43	52528	0.341	ppbv	96
51) 2-Hexanone	9.561	43	35624m	0.335	ppbv	
52) Tetrachloroethene	10.600	164	26390m	0.482	ppbv	
53) Toluene	9.208	91	63602m	0.359	ppbv	
54) 1,2-Dibromoethane	9.995	107	42437	0.448	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.490	131	48853	0.545	ppbv #	1
57) Chlorobenzene	11.510	112	77865m	0.547	ppbv	
58) Ethyl Benzene	12.076	91	76585	0.357	ppbv	97
59) m/p-Xylene	12.359	91	170118m	0.845	ppbv	
60) o-Xylene	13.043	91	73535	0.383	ppbv	96
61) Styrene	12.883	104	24379m	0.303	ppbv	
62) Isopropylbenzene	14.011	105	125358	0.432	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	76472	0.508	ppbv	92
64) n-propylbenzene	14.902	120	29190m	0.403	ppbv	
65) tert-Butylbenzene	16.079	119	118289m	0.454	ppbv	
66) Benzyl Chloride	16.317	91	14496m	0.477	ppbv	
67) sec-Butylbenzene	16.622	105	147959	0.397	ppbv	97
69) p-Isopropyltoluene	16.985	119	114937	0.392	ppbv	95
70) n-Butylbenzene	17.876	91	128946m	0.400	ppbv	
71) 2-Chlorotoluene	14.786	91	84539m	0.394	ppbv	
72) 4-Ethyltoluene	15.178	105	80341m	0.373	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	74051	0.382	ppbv	90
74) 1,2,4-Trimethylbenzene	16.092	105	100977	0.427	ppbv #	85
75) 1,3-Dichlorobenzene	16.320	146	63703m	0.473	ppbv	
76) 1,4-Dichlorobenzene	16.452	146	63313m	0.478	ppbv	
77) 1,2-Dichlorobenzene	17.130	146	67171m	0.501	ppbv	
78) Hexachloro-1,3-Butadiene	22.615	225	56030m	0.552	ppbv	
79) Naphthalene	21.374	128	46355m	0.315	ppbv	
80) Naphthalene,2-methyl-	24.381	142	5153m	0.143	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	36230m	0.377	ppbv	

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration





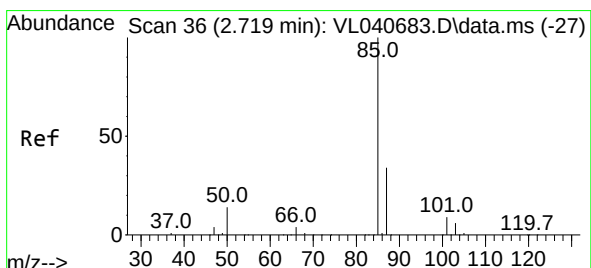
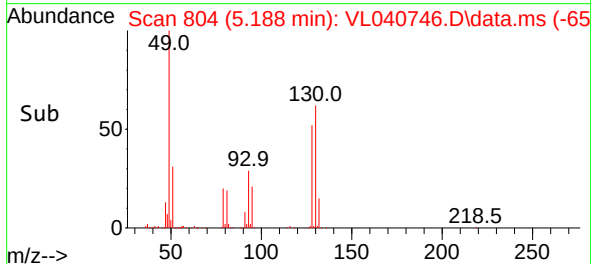
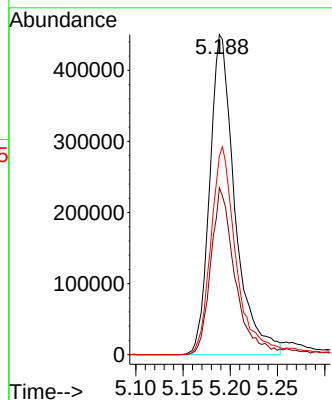
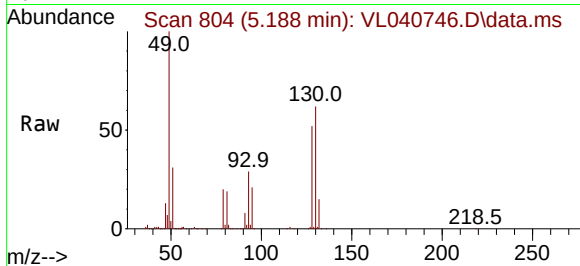
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 49 Resp: 83375
Ion Ratio Lower Upper
49 100
128 52.2 25.4 76.0
130 68.3 32.3 96.8

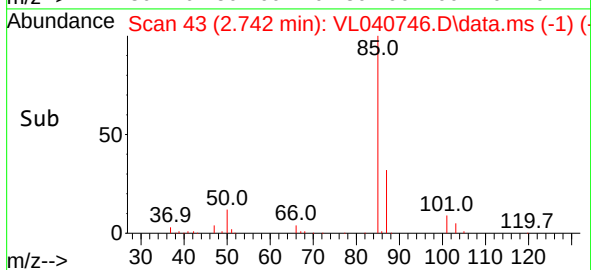
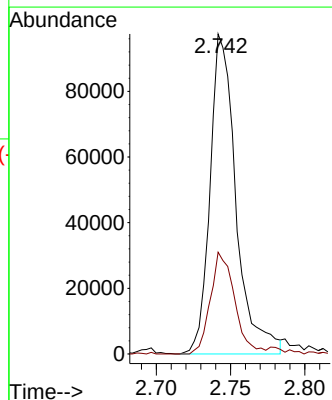
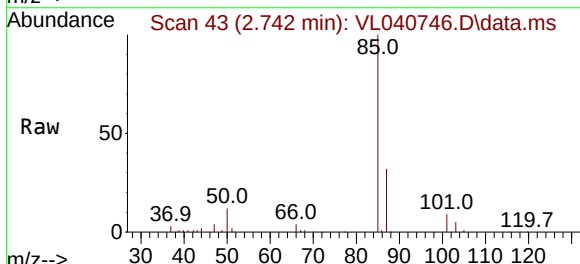
Manual Integrations
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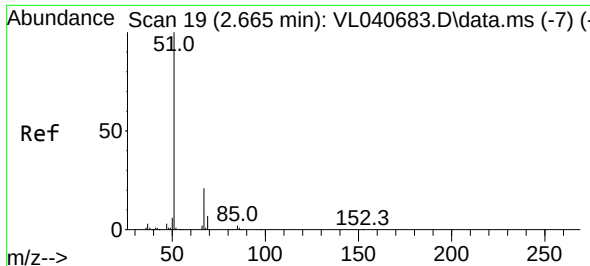
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#2
Dichlorodifluoromethane
Concen: 0.646 ppbv
RT: 2.742 min Scan# 43
Delta R.T. 0.010 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

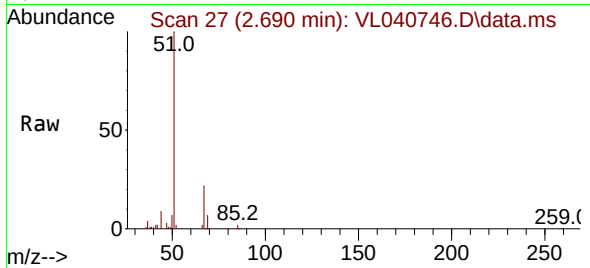
Tgt Ion: 85 Resp: 118696
Ion Ratio Lower Upper
85 100
87 31.8 27.2 40.8





#3
Chlorodifluoromethane
Concen: 0.601 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

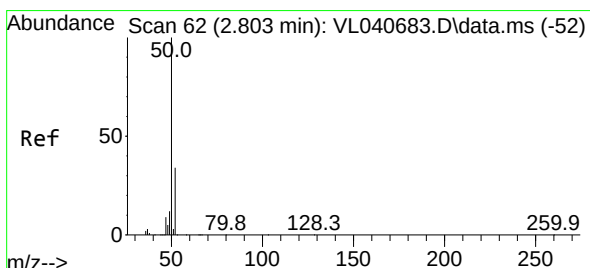
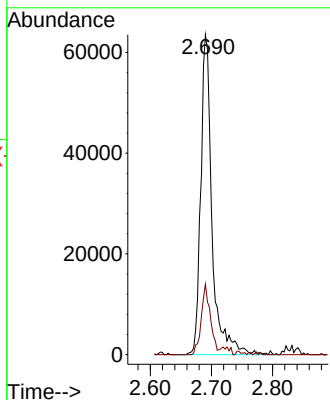
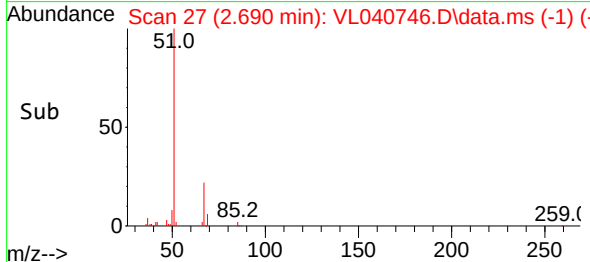
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



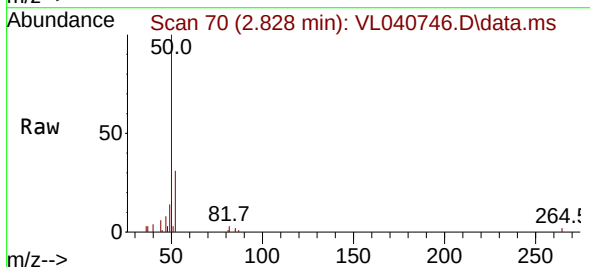
Tgt Ion: 51 Resp: 81680
Ion Ratio Lower Upper
51 100
67 20.7 16.7 25.1

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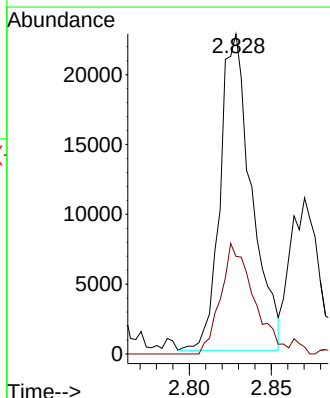
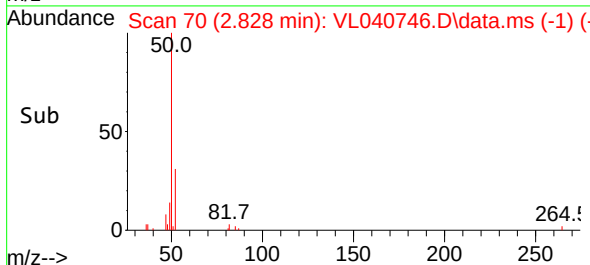
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

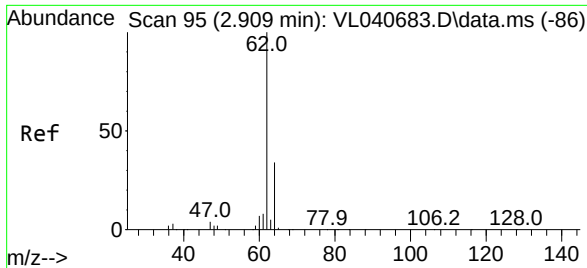


#4
Chloromethane
Concen: 0.579 ppbv
RT: 2.828 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53



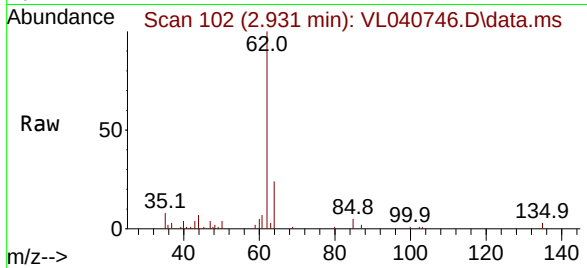
Tgt Ion: 50 Resp: 30108
Ion Ratio Lower Upper
50 100
52 30.9 27.1 40.7





#5
 Vinyl Chloride
 Concen: 0.451 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. 0.006 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

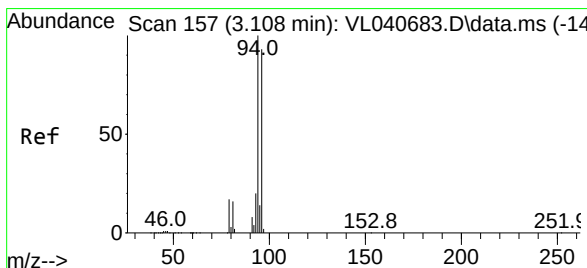
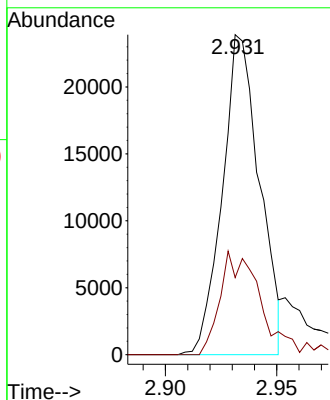
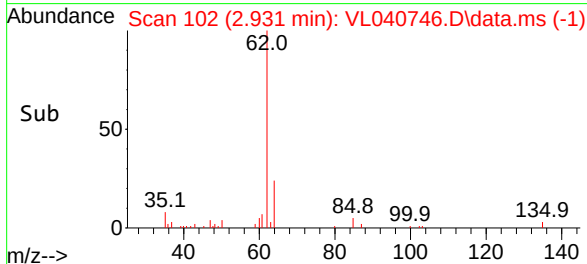
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 62 Resp: 27730
 Ion Ratio Lower Upper
 62 100
 64 24.1 27.2 40.8

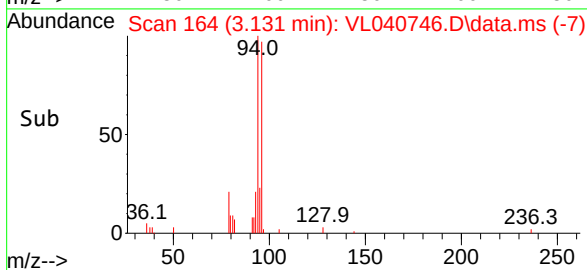
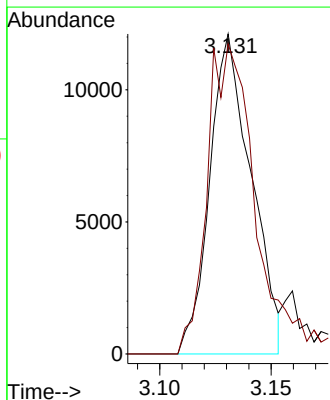
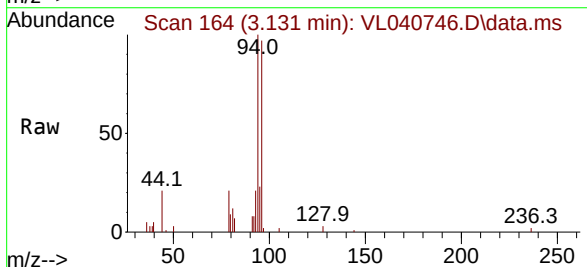
Manual Integrations
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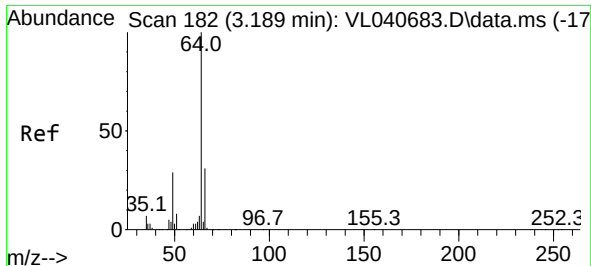
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#6
 Bromomethane
 Concen: 0.530 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.006 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

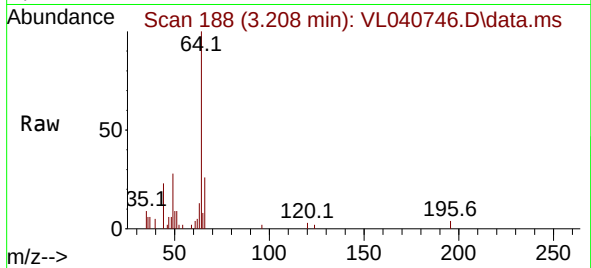
Tgt Ion: 94 Resp: 15708
 Ion Ratio Lower Upper
 94 100
 96 96.9 74.4 111.6





#7
Chloroethane
Concen: 0.578 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

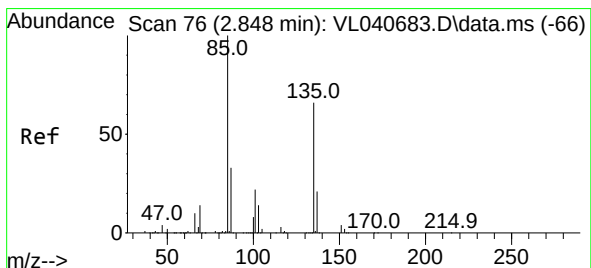
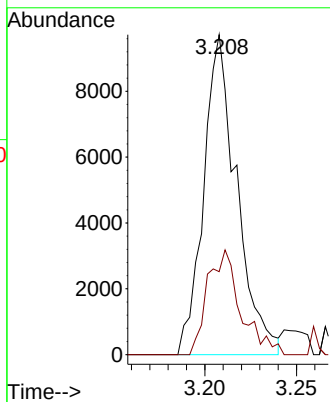
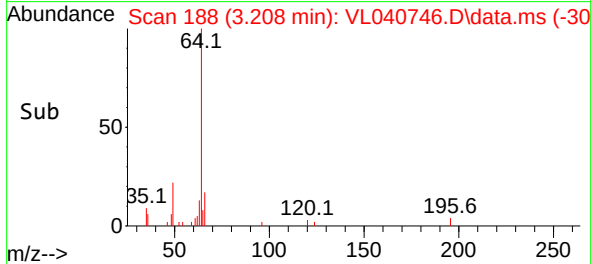
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 64 Resp: 12199
Ion Ratio Lower Upper
64 100
66 26.0 24.5 36.7

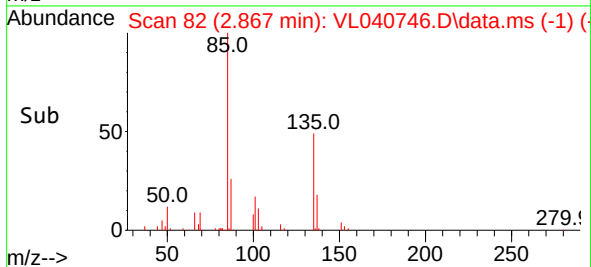
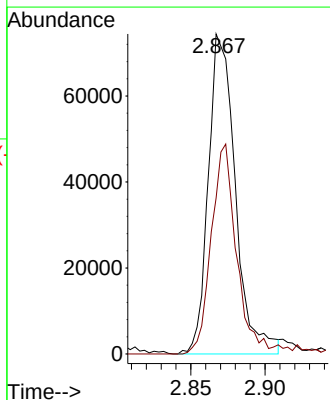
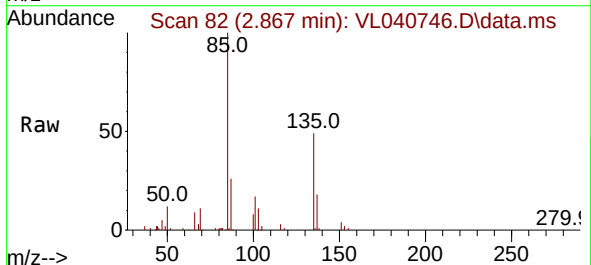
Manual Integrations
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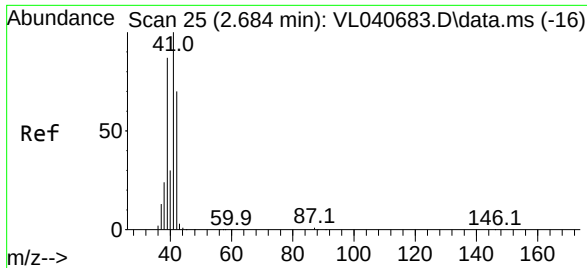
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#8
Dichlorotetrafluoroethane
Concen: 0.622 ppbv
RT: 2.867 min Scan# 82
Delta R.T. 0.006 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

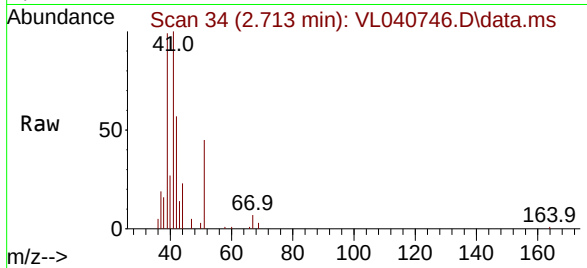
Tgt Ion: 85 Resp: 94361
Ion Ratio Lower Upper
85 100
135 64.1 53.4 80.2





#9
 Propene
 Concen: 0.517 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.016 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

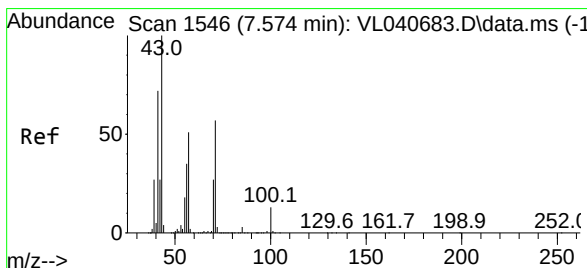
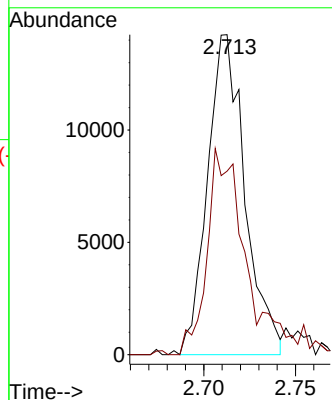
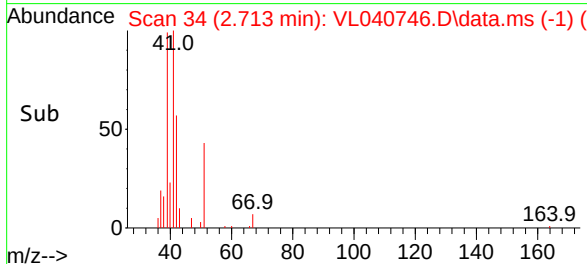
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 41 Resp: 20238
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.7 85.1

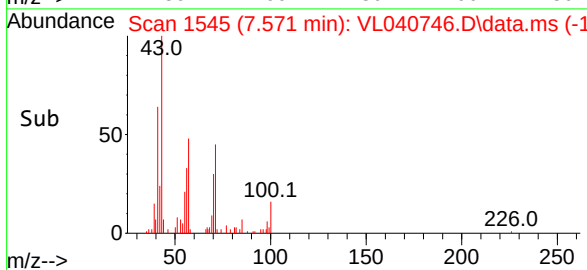
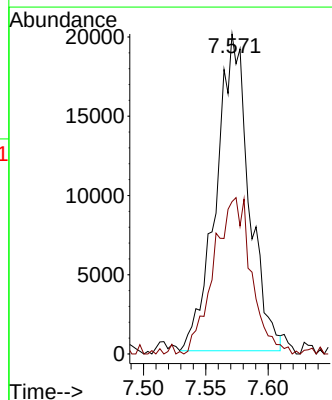
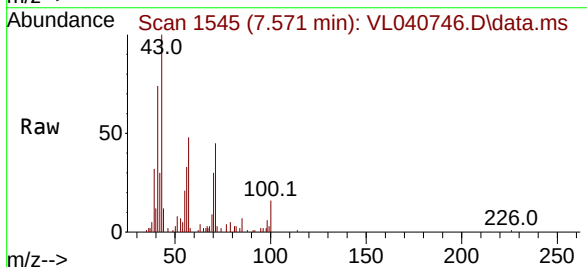
Manual Integrations
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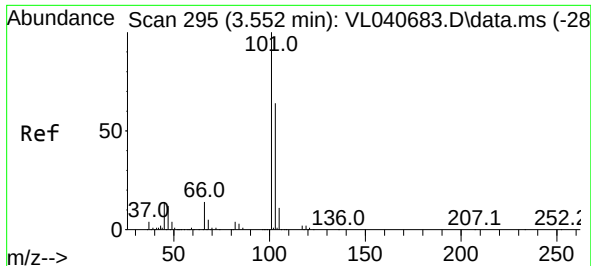
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#10
 Heptane
 Concen: 0.421 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.016 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

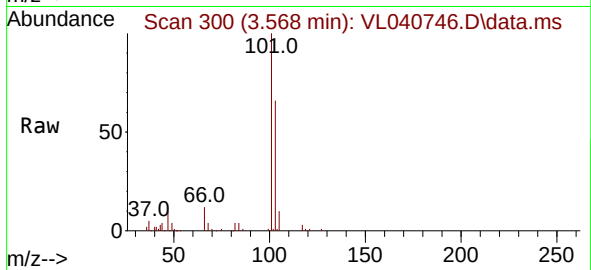
Tgt Ion: 43 Resp: 37139
 Ion Ratio Lower Upper
 43 100
 57 55.8 41.8 62.6





#11
 Trichlorofluoromethane
 Concen: 0.583 ppbv
 RT: 3.568 min Scan# 30
 Delta R.T. -0.000 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

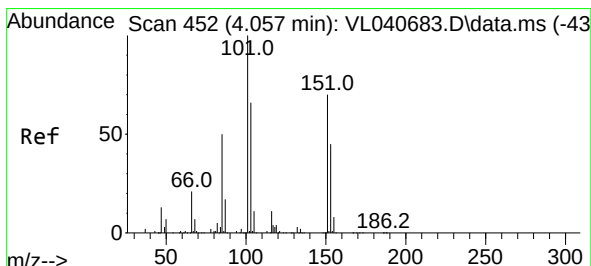
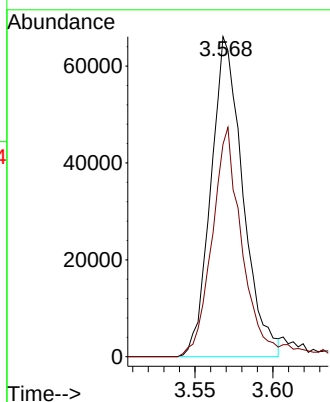
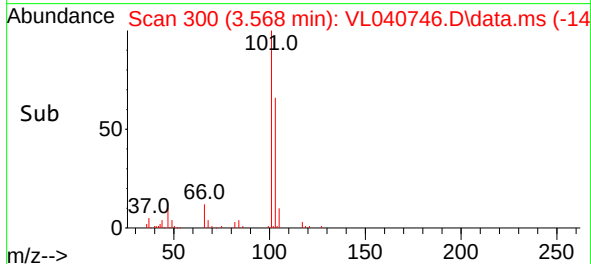
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



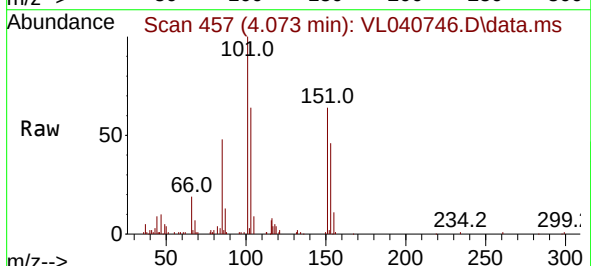
Tgt Ion:101 Resp: 9420
 Ion Ratio Lower Upper
 101 100
 103 66.4 51.3 76.9

Manual Integrations
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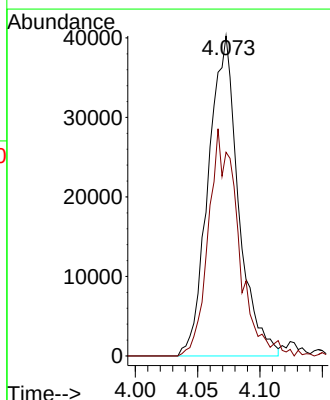
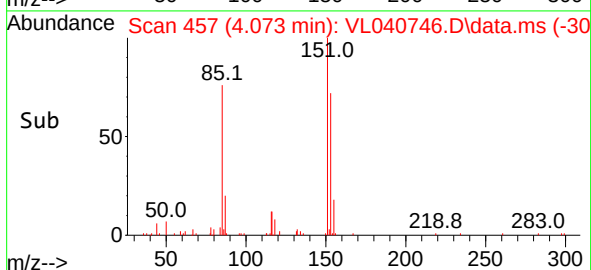
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

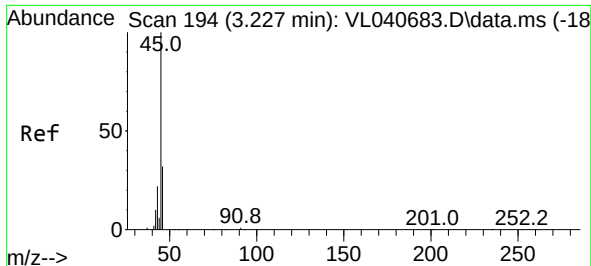


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.588 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. -0.000 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53



Tgt Ion:101 Resp: 67963
 Ion Ratio Lower Upper
 101 100
 151 70.8 56.8 85.2





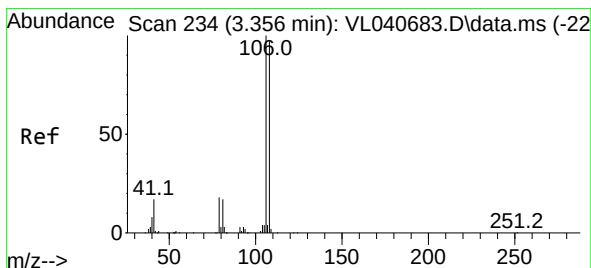
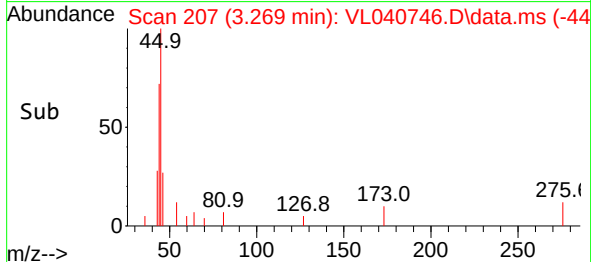
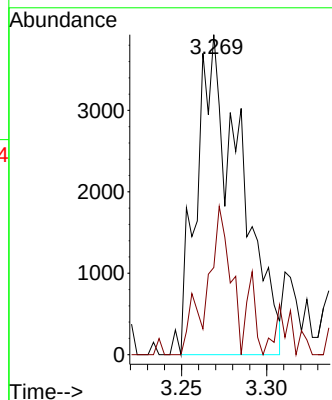
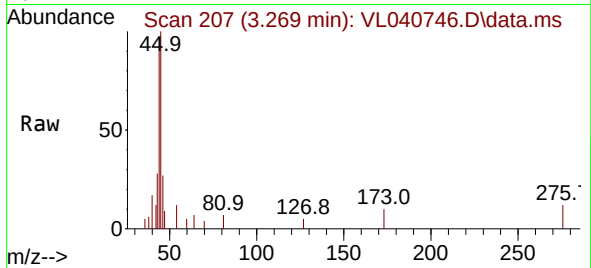
#13
Ethanol
Concen: 0.604 ppbv m
RT: 3.269 min Scan# 207
Delta R.T. 0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 45 Resp: 699
Ion Ratio Lower Upper
45 100
46 3.9 15.2 61.0

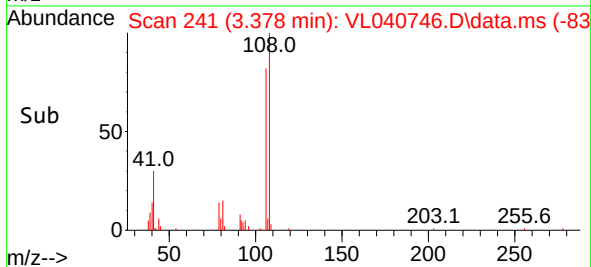
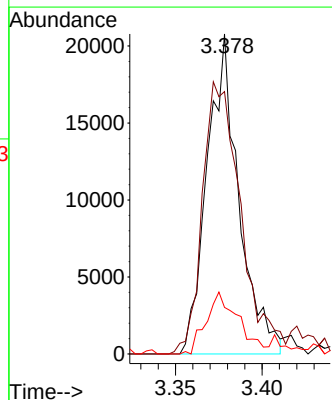
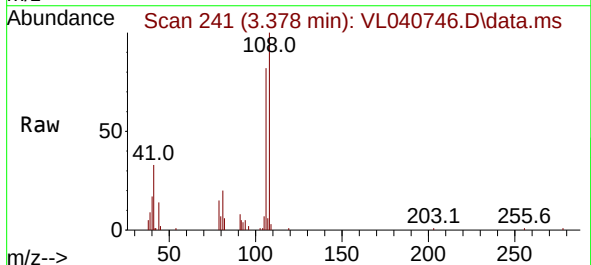
Manual Integrations
APPROVED

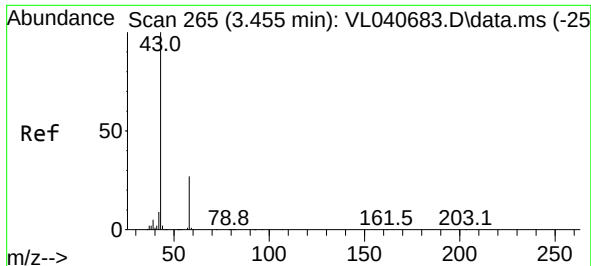
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#14
Bromoethene
Concen: 0.546 ppbv
RT: 3.378 min Scan# 241
Delta R.T. 0.010 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

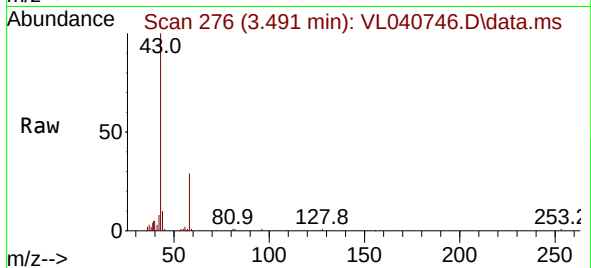
Tgt Ion:108 Resp: 26439
Ion Ratio Lower Upper
108 100
106 110.1 86.0 129.0
79 24.6 15.6 23.4





#15
Acetone
Concen: 0.652 ppbv
RT: 3.491 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

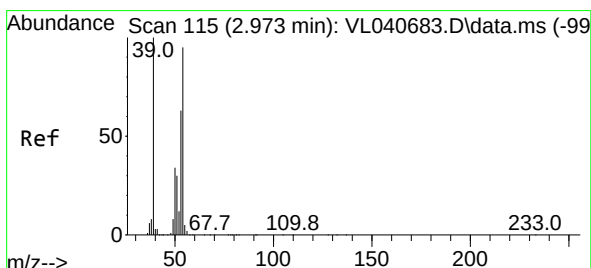
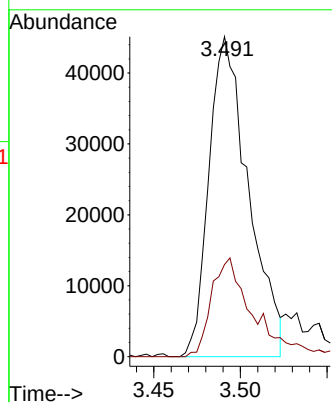
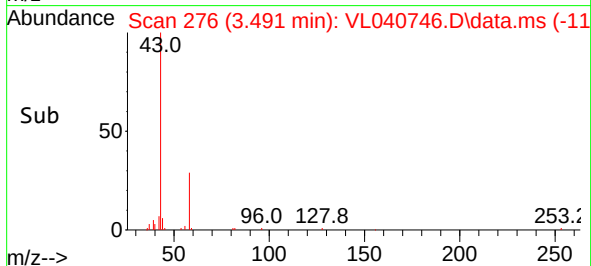
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
58 34.4 22.6 34.0

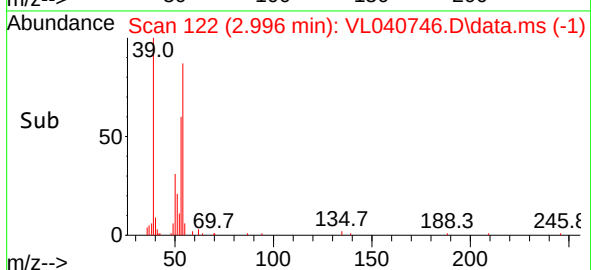
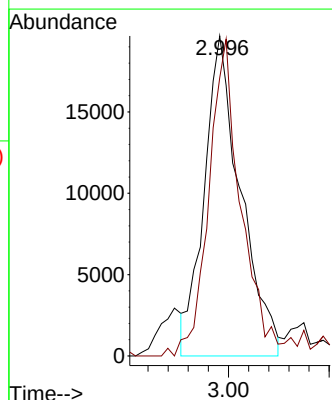
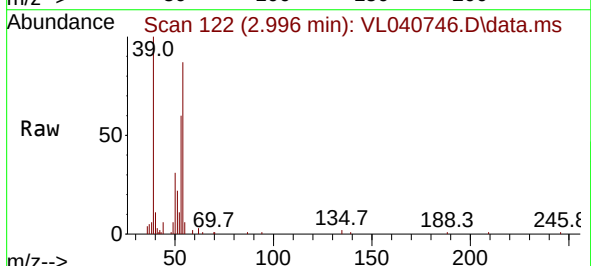
Manual Integrations
APPROVED

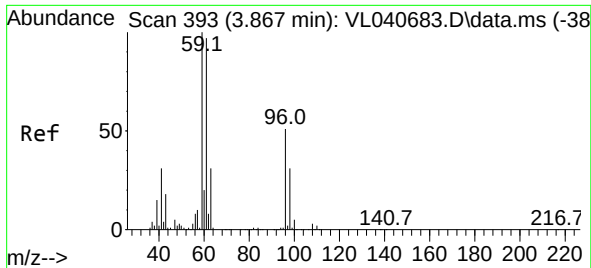
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#16
1,3-Butadiene
Concen: 0.516 ppbv m
RT: 2.996 min Scan# 122
Delta R.T. 0.006 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

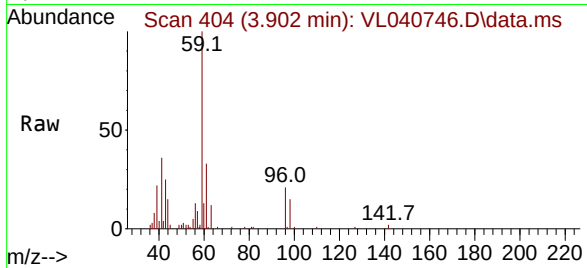
Tgt Ion: 39 Resp: 24722
Ion Ratio Lower Upper
39 100
54 0.0 64.8 97.2





#17
tert-Butyl alcohol
Concen: 0.420 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

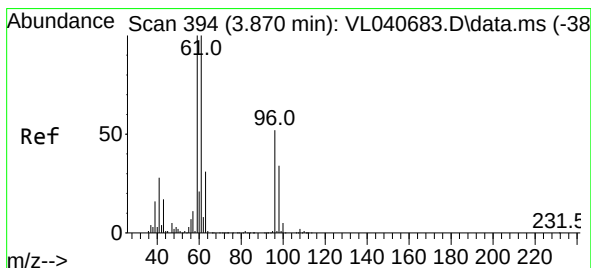
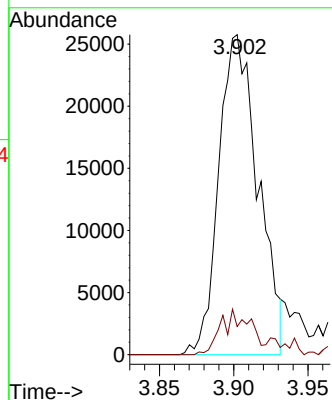
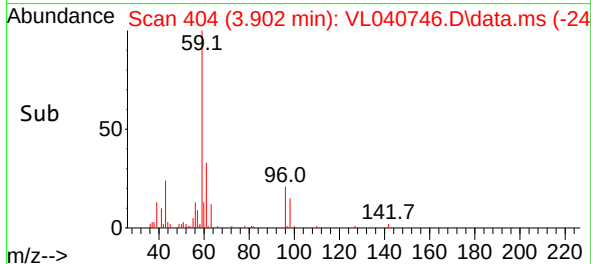
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



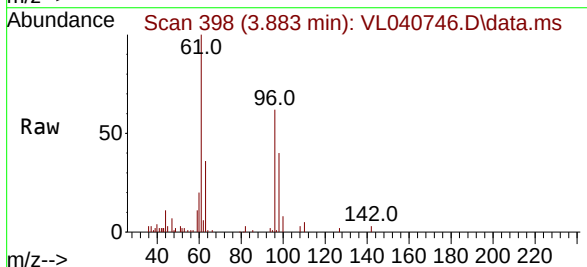
Tgt Ion: 59 Resp: 47284
Ion Ratio Lower Upper
59 100
57 13.5 8.7 13.1

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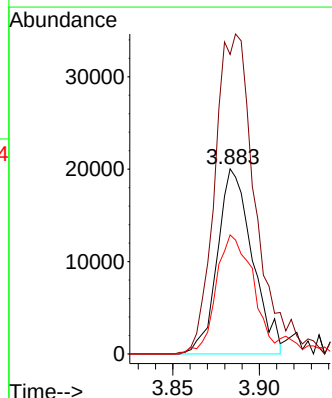
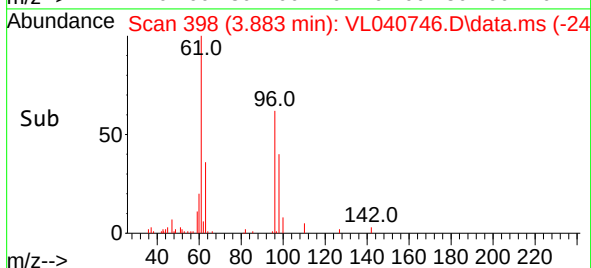
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

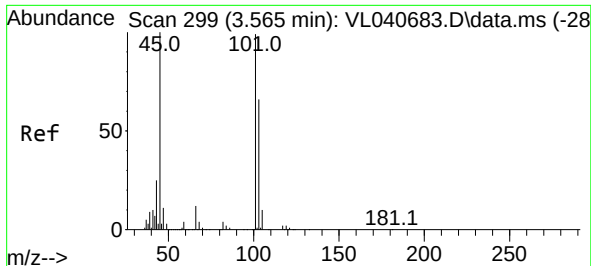


#18
1,1-Dichloroethene
Concen: 0.545 ppbv
RT: 3.883 min Scan# 398
Delta R.T. -0.000 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53



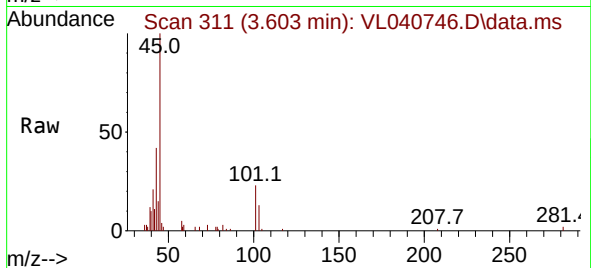
Tgt Ion: 96 Resp: 28006
Ion Ratio Lower Upper
96 100
61 162.4 153.6 230.4
98 64.9 51.9 77.9





#19
Isopropyl Alcohol
Concen: 0.478 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

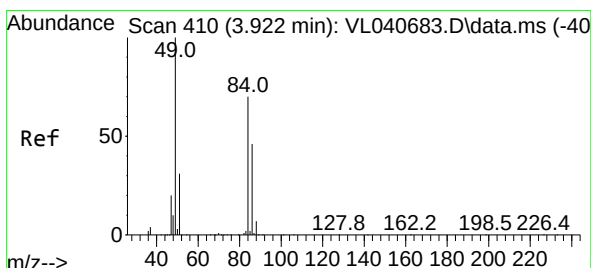
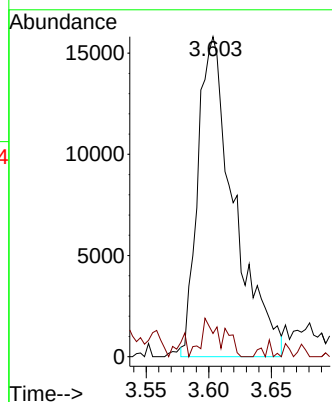
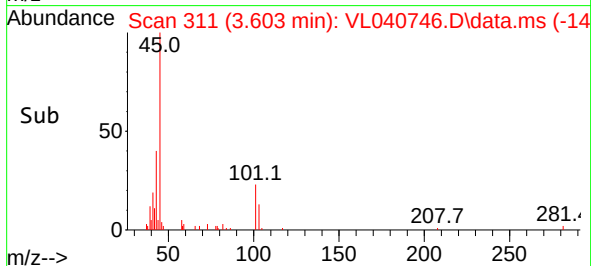
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



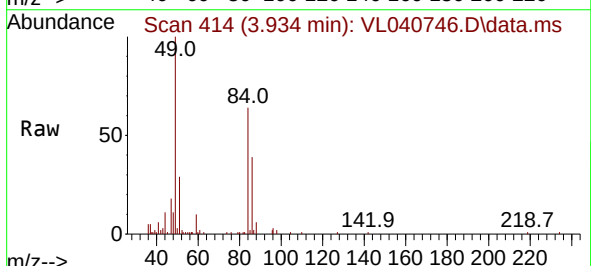
Tgt Ion: 45 Resp: 3165
Ion Ratio Lower Upper
45 100
58 7.1 1.9 2.9

Manual Integrations
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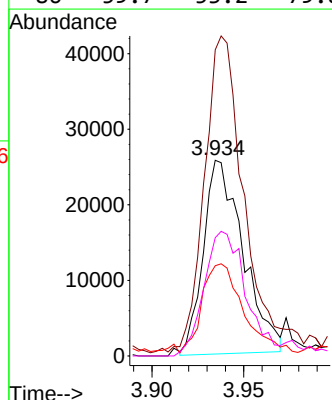
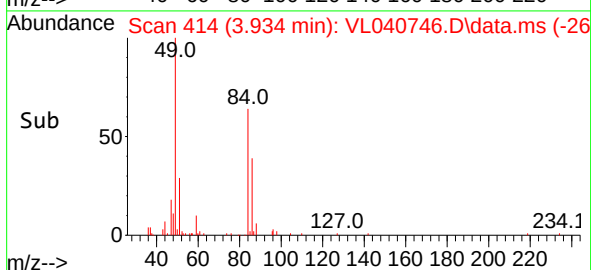
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

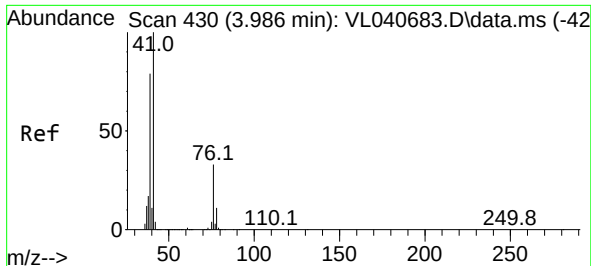


#20
Methylene Chloride
Concen: 0.652 ppbv
RT: 3.934 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53



Tgt Ion: 84 Resp: 38609
Ion Ratio Lower Upper
84 100
49 155.1 114.4 171.6
51 45.5 35.5 53.3
86 59.7 53.2 79.8





#21

Allyl Chloride

Concen: 0.480 ppbv

RT: 4.002 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

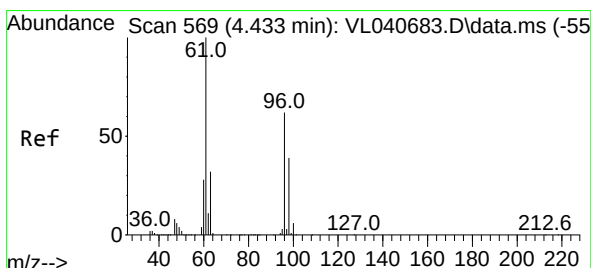
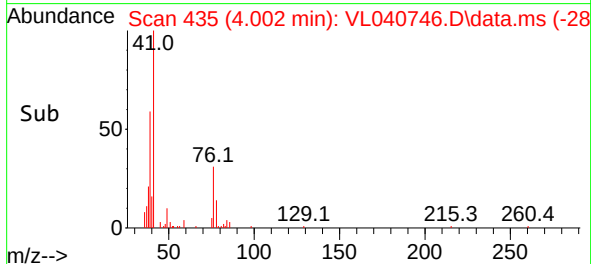
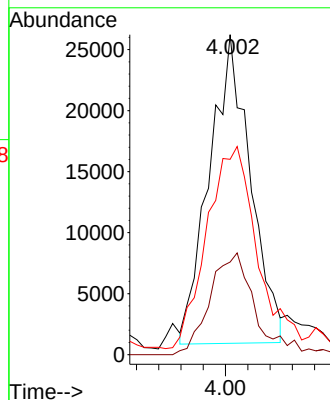
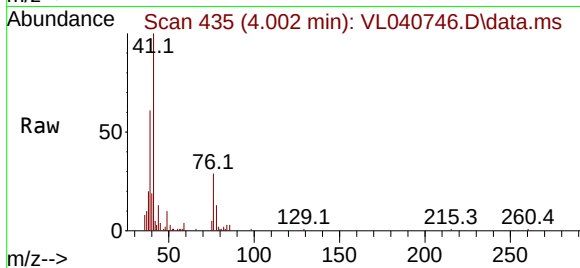
LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 41	Resp: 3236
Ion Ratio	Lower Upper
41	100
76	38.2 26.6 40.0
39	96.4 65.0 97.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#22

trans-1,2-Dichloroethene

Concen: 0.573 ppbv m

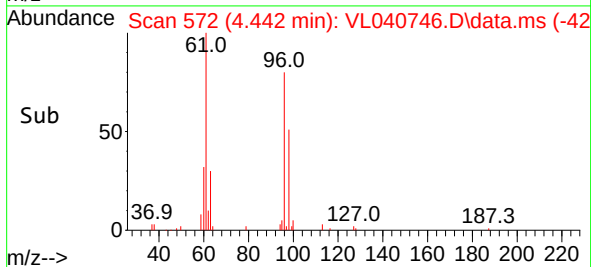
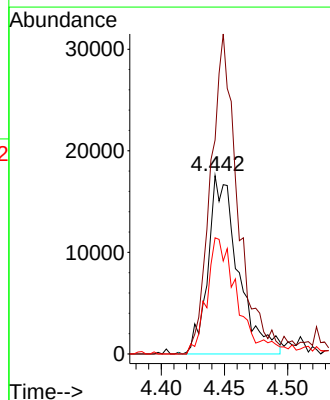
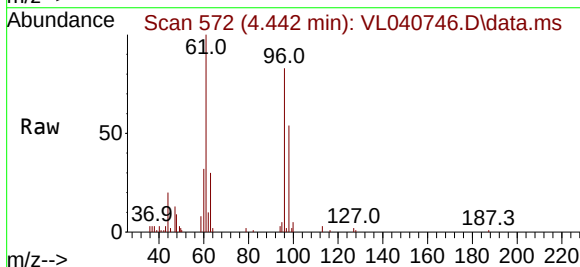
RT: 4.442 min Scan# 572

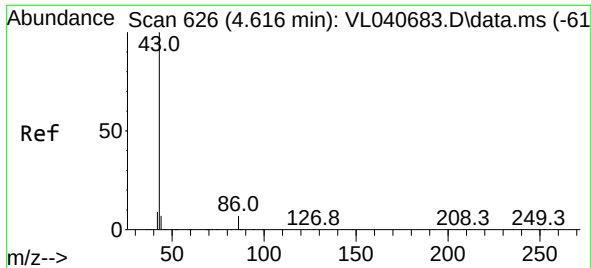
Delta R.T. -0.010 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

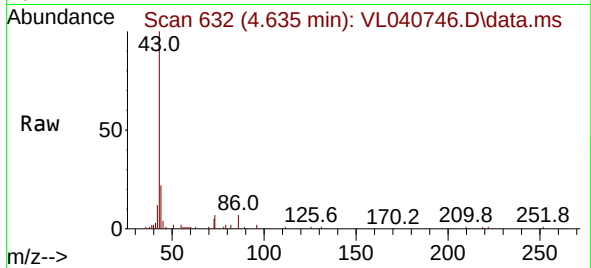
Tgt Ion: 96	Resp: 29078
Ion Ratio	Lower Upper
96	100
61	120.0 129.9 194.9#
98	65.2 50.2 75.4





#23
 Vinyl Acetate
 Concen: 0.549 ppbv
 RT: 4.635 min Scan# 610
 Delta R.T. 0.003 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

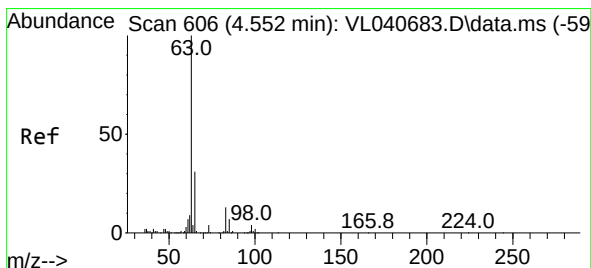
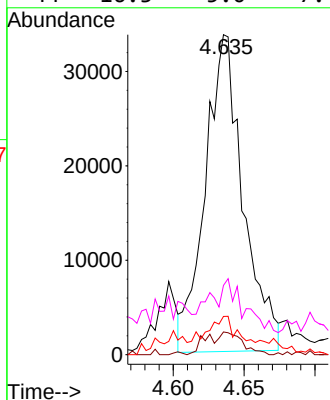
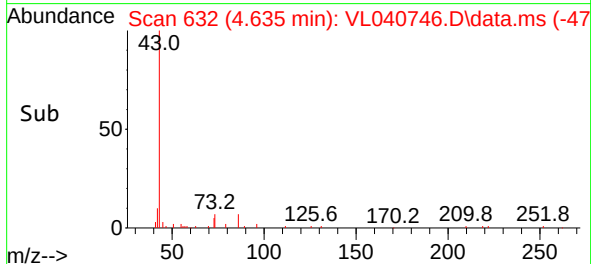
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



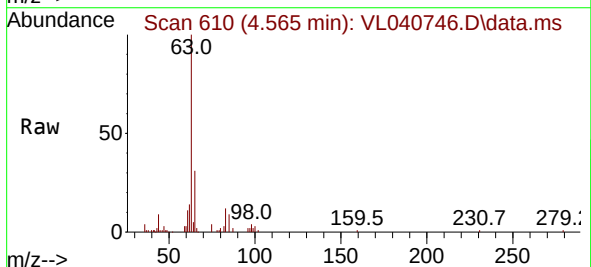
Tgt Ion: 43 Resp: 62479
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.6 8.4
 42 9.4 7.6 11.4
 44 16.3 5.0 7.4#

Manual Integrations
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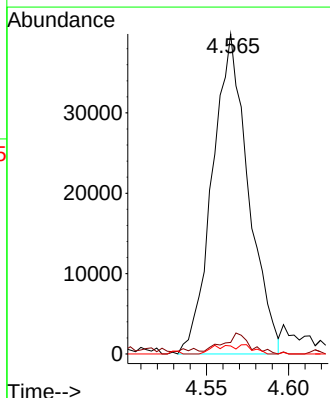
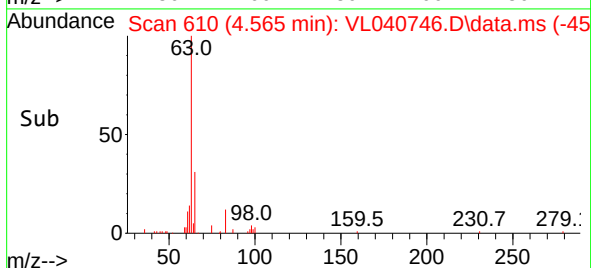
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

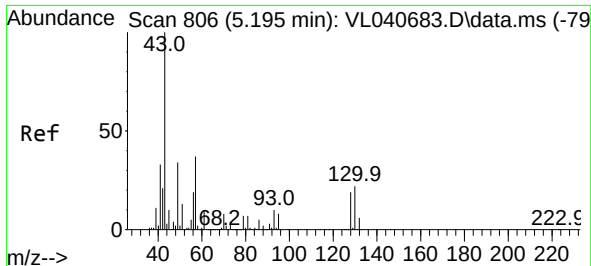


#24
 1,1-Dichloroethane
 Concen: 0.570 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.003 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53



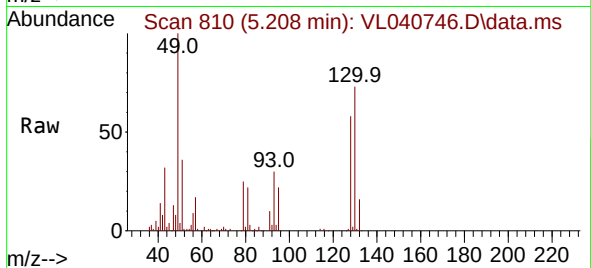
Tgt Ion: 63 Resp: 60639
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.5
 100 2.5 1.2 3.6





#25
Ethyl Acetate
Concen: 0.486 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

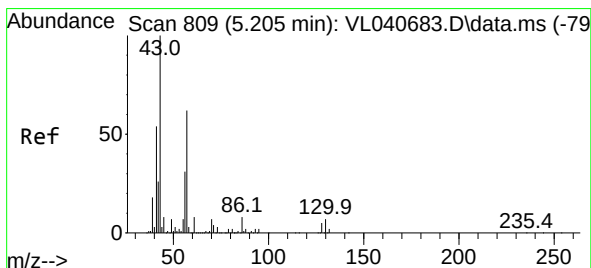
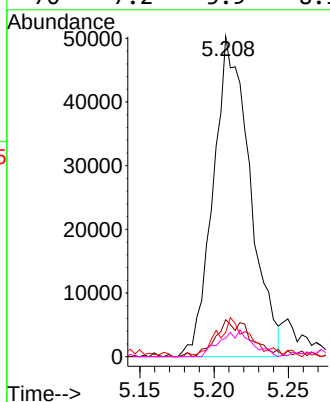
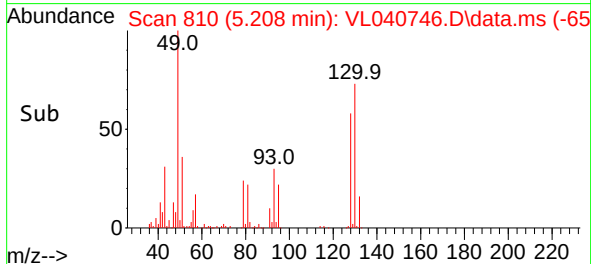
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 43 Resp: 8612
Ion Ratio Lower Upper
43 100
45 12.1 8.2 12.4
61 11.7 8.2 12.4
70 7.2 5.9 8.9

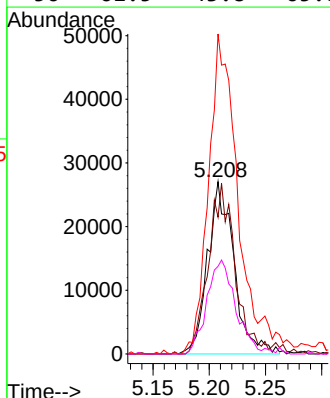
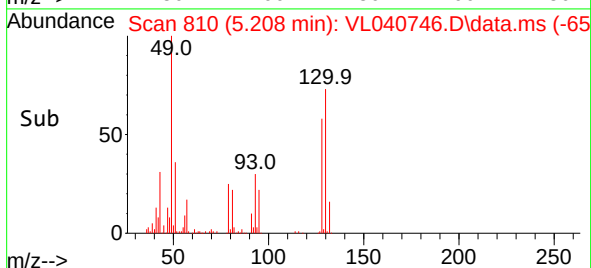
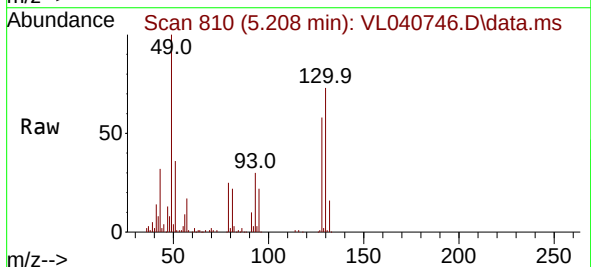
Manual Integrations
APPROVED

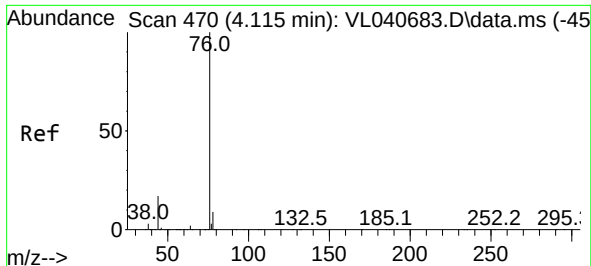
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#26
Hexane
Concen: 0.520 ppbv m
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

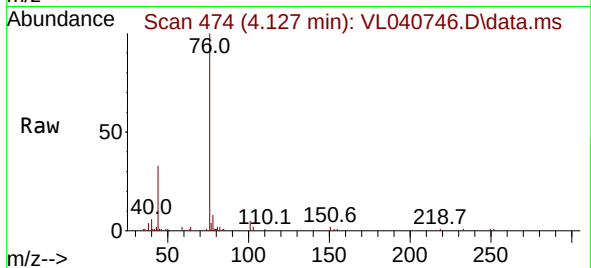
Tgt Ion: 57 Resp: 43591
Ion Ratio Lower Upper
57 100
41 104.8 75.2 112.8
43 214.7 185.6 278.4
56 61.5 43.8 65.8





#27
Carbon Disulfide
Concen: 0.461 ppbv
RT: 4.127 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

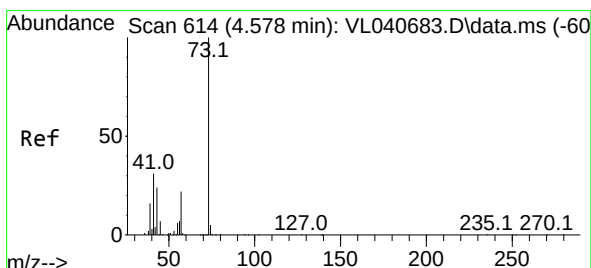
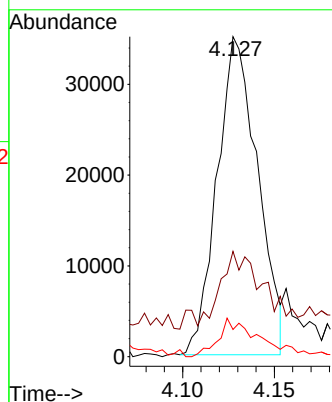
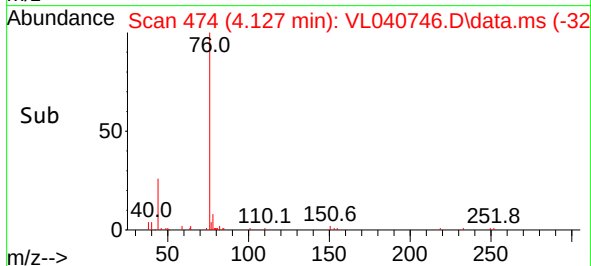
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 76 Resp: 5393
Ion Ratio Lower Upper
76 100
44 30.3 14.5 21.7
78 12.6 7.7 11.5

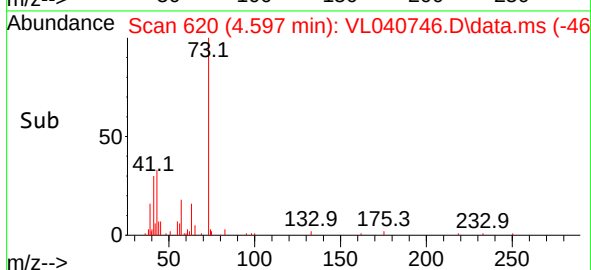
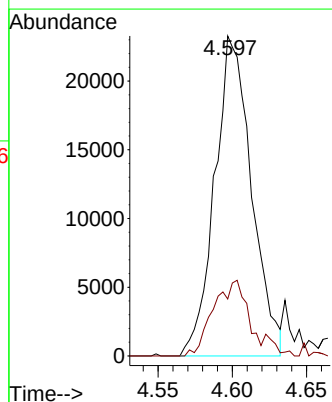
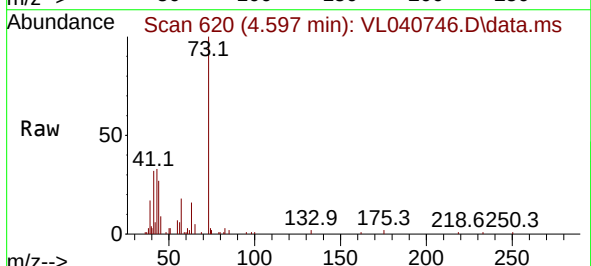
Manual Integrations
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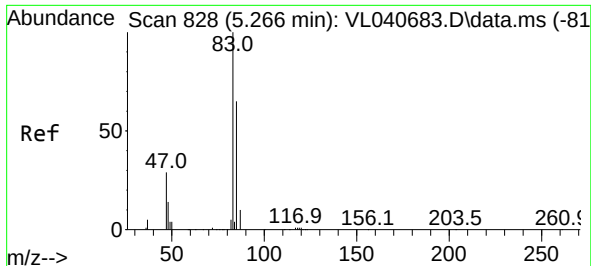
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#28
Methyl tert-Butyl Ether
Concen: 0.556 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.006 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion: 73 Resp: 40106
Ion Ratio Lower Upper
73 100
57 24.6 18.8 28.2





#29

Chloroform

Concen: 0.549 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL040746.D

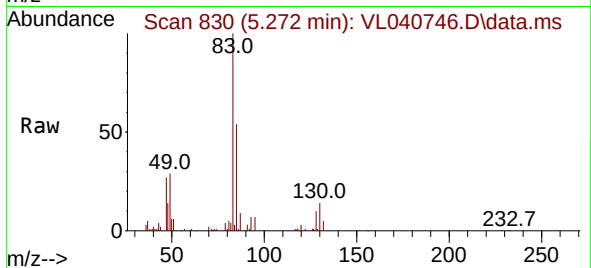
Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

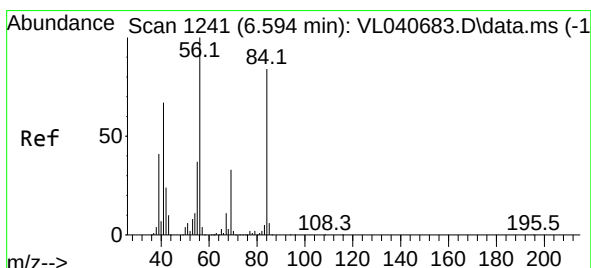
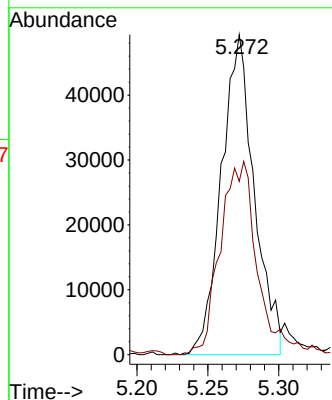
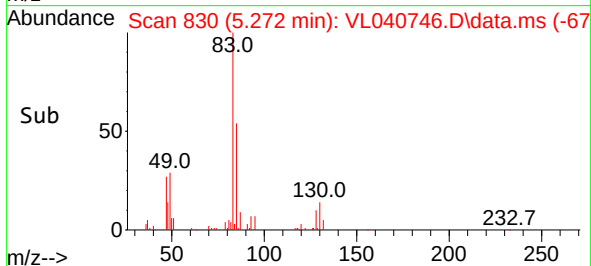


Tgt Ion: 83	Resp: 79519
Ion Ratio	Lower Upper
83	100
85	54.2 51.8 77.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#30

Cyclohexane

Concen: 0.374 ppbv m

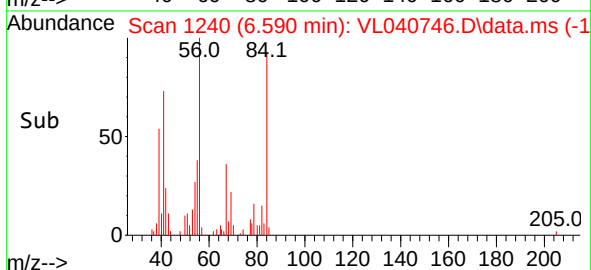
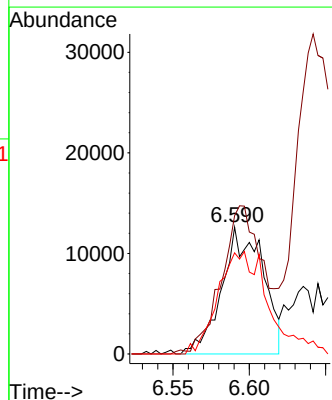
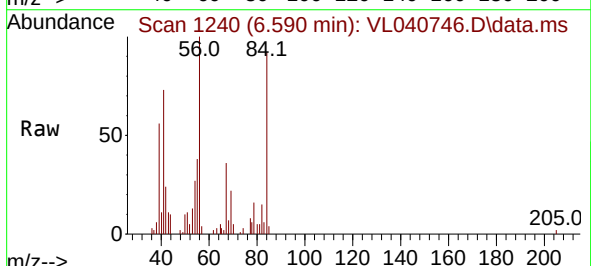
RT: 6.590 min Scan# 1240

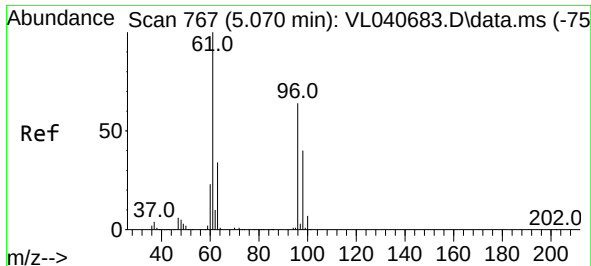
Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

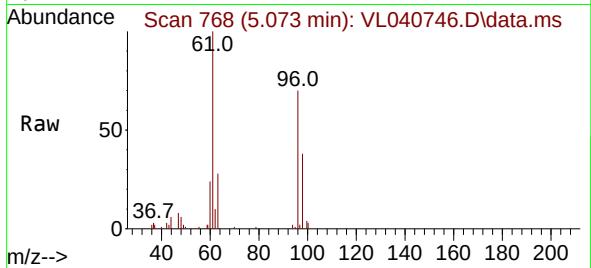
Tgt Ion: 84	Resp: 23600
Ion Ratio	Lower Upper
84	100
56	120.7 103.2 154.8
41	101.6 65.5 98.3





#31
 cis-1,2-Dichloroethene
 Concen: 0.469 ppbv
 RT: 5.073 min Scan# 767
 Delta R.T. -0.013 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

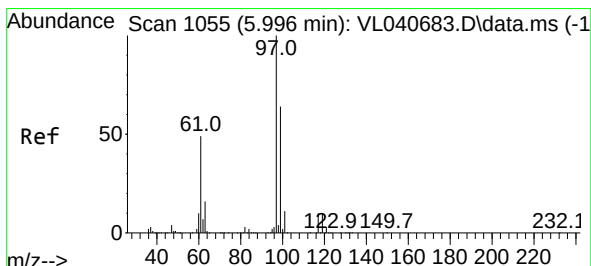
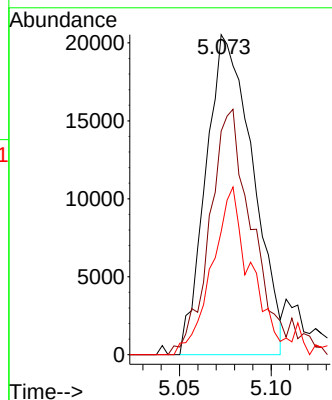
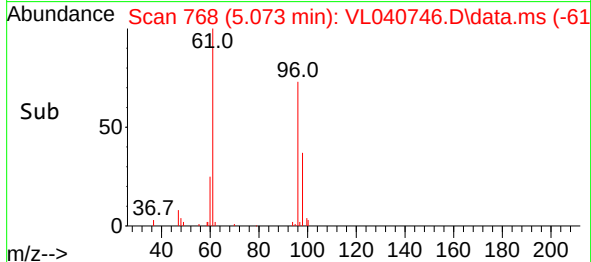
Instrument : MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 61 Resp: 36500
 Ion Ratio Lower Upper
 61 100
 96 67.4 51.2 76.8
 98 34.9 32.3 48.5

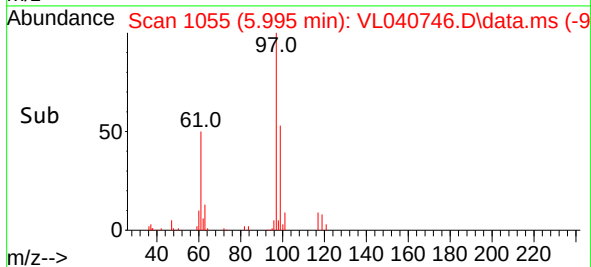
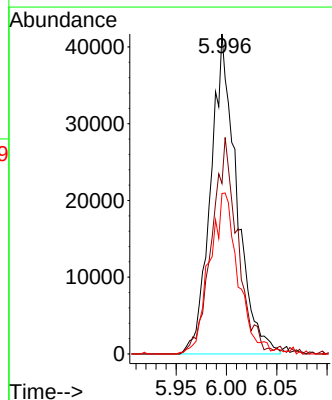
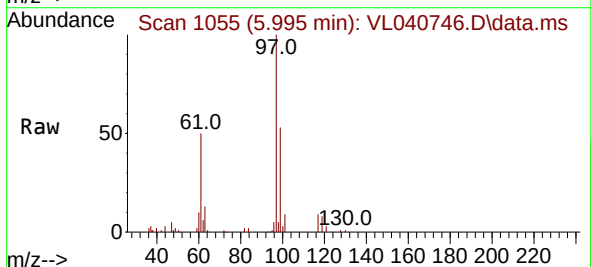
Manual Integrations
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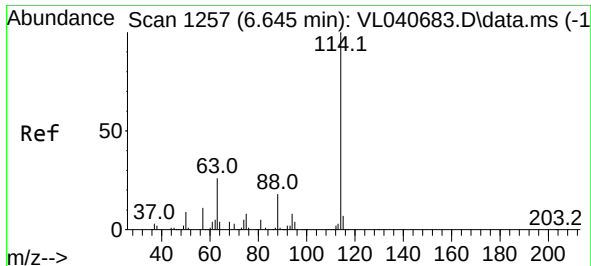
Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.508 ppbv
 RT: 5.995 min Scan# 1055
 Delta R.T. -0.016 min
 Lab File: VL040746.D
 Acq: 4 Oct 2023 18:53

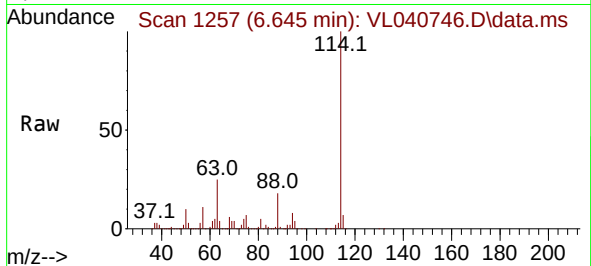
Tgt Ion: 97 Resp: 75199
 Ion Ratio Lower Upper
 97 100
 99 68.2 52.4 78.6
 61 56.0 40.2 60.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

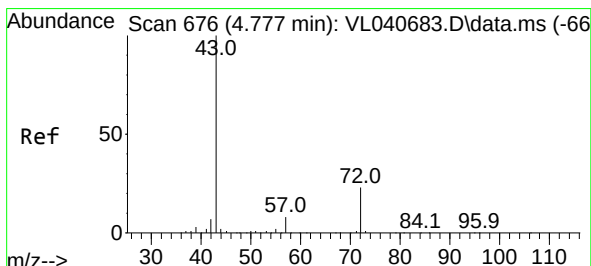
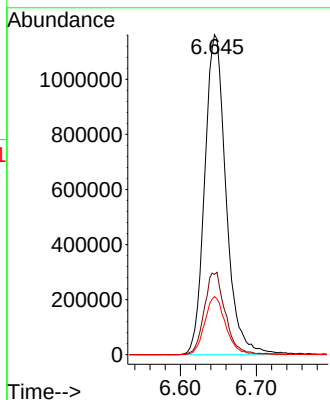
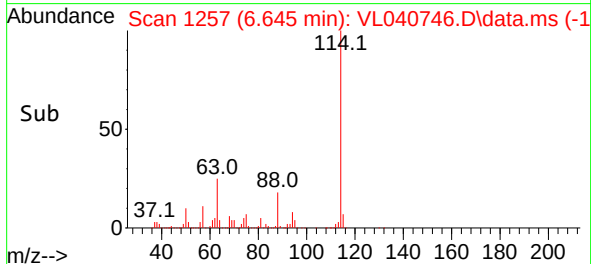
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:114 Resp: 226638
Ion Ratio Lower Upper
114 100
63 25.8 21.1 31.7
88 18.0 14.5 21.7

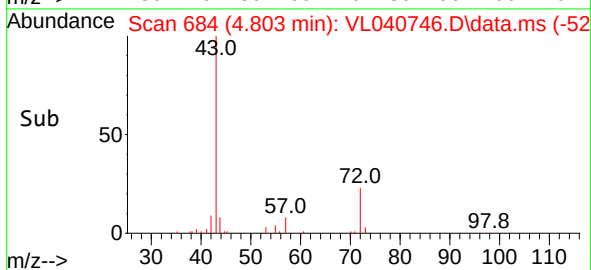
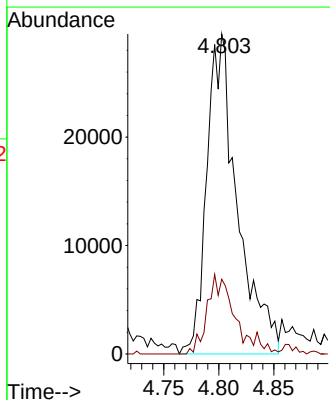
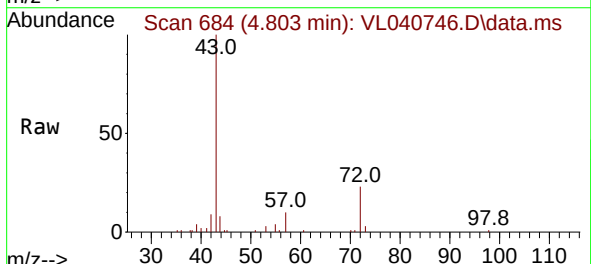
Manual Integrations
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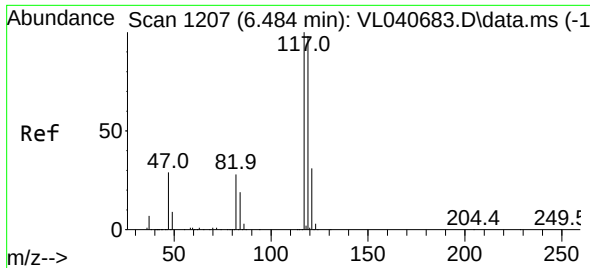
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#34
2-Butanone
Concen: 0.502 ppbv m
RT: 4.803 min Scan# 684
Delta R.T. 0.013 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

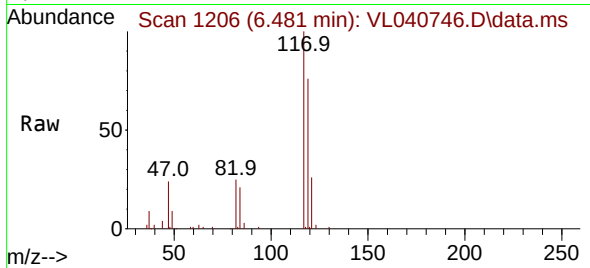
Tgt Ion: 43 Resp: 57162
Ion Ratio Lower Upper
43 100
72 24.0 18.6 27.8





#35
Carbon Tetrachloride
Concen: 0.523 ppbv m
RT: 6.481 min Scan# 1168
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

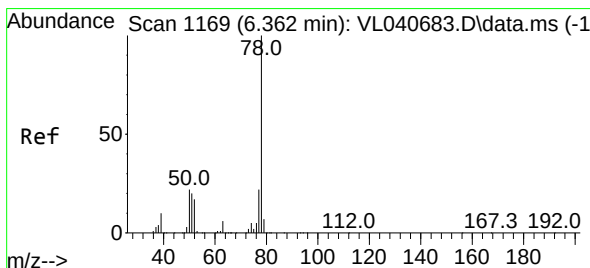
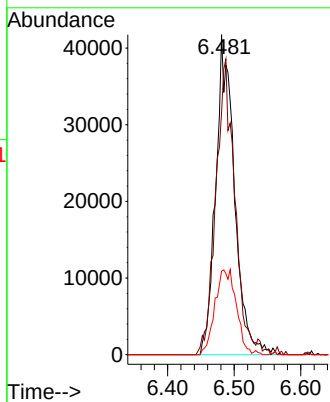
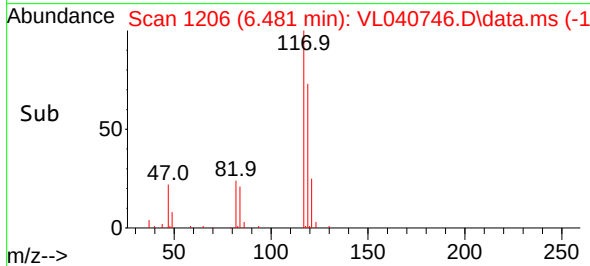
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 117 Resp: 81459
Ion Ratio Lower Upper
117 100
119 75.8 78.6 117.8
121 26.1 24.7 37.1

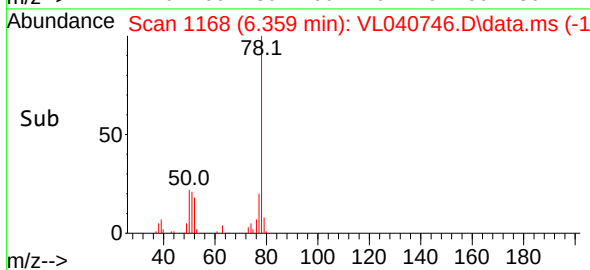
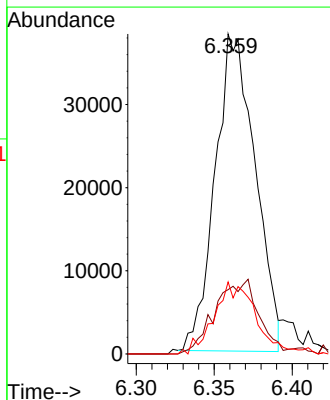
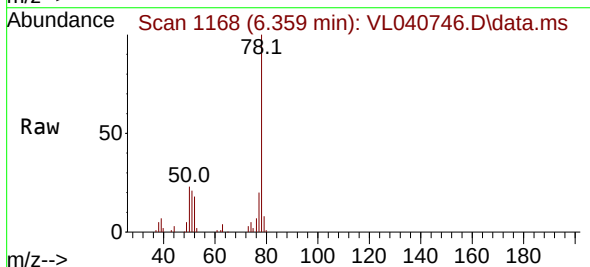
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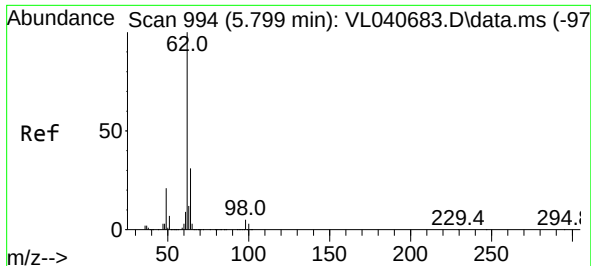
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#36
Benzene
Concen: 0.407 ppbv
RT: 6.359 min Scan# 1168
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

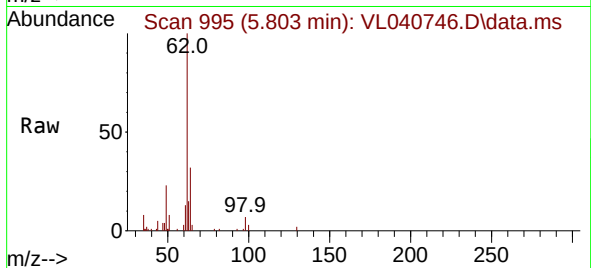
Tgt Ion: 78 Resp: 68275
Ion Ratio Lower Upper
78 100
77 20.3 17.9 26.9
50 22.8 17.3 25.9





#37
1,2-Dichloroethane
Concen: 0.486 ppbv
RT: 5.803 min Scan# 994
Delta R.T. -0.013 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

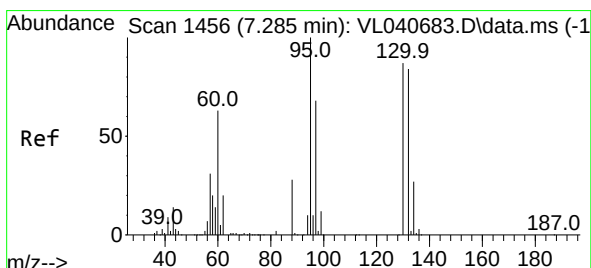
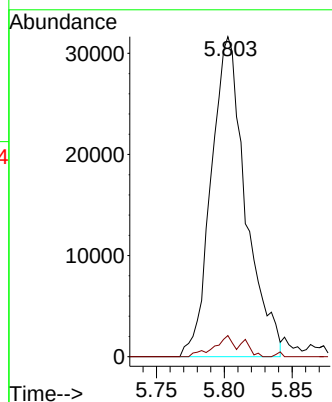
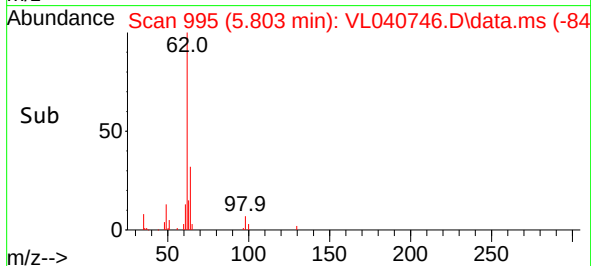
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 62 Resp: 55792
Ion Ratio Lower Upper
62 100
98 5.4 4.2 6.4

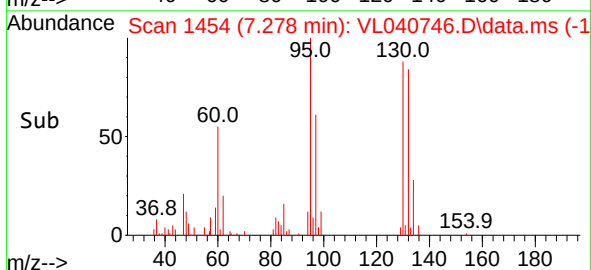
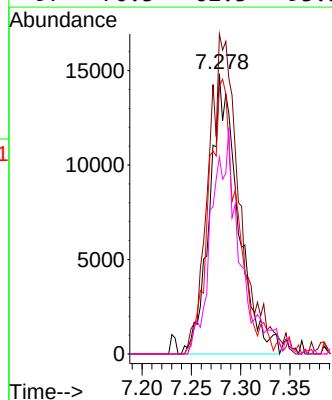
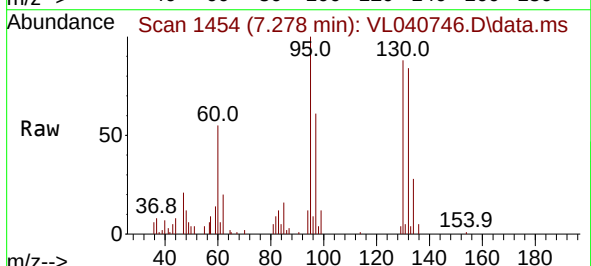
Manual Integrations
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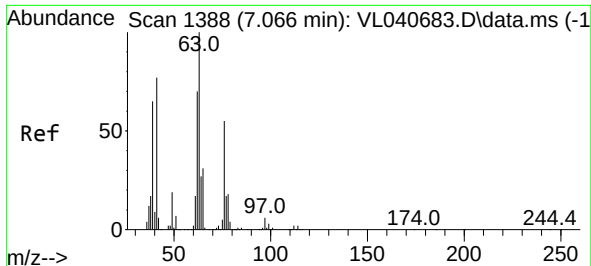
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Trichloroethene
Concen: 0.465 ppbv m
RT: 7.278 min Scan# 1454
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion:130 Resp: 29750
Ion Ratio Lower Upper
130 100
95 114.2 91.9 137.9
132 95.4 77.3 115.9
97 70.3 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.475 ppbv m

RT: 7.063 min Scan# 1387

Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 63 Resp: 30710

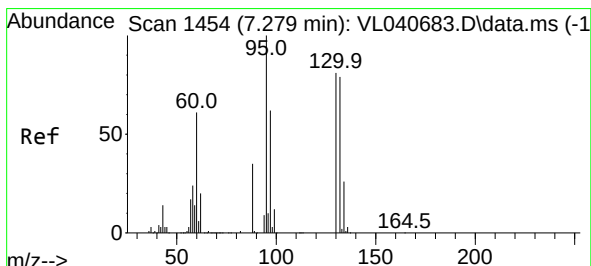
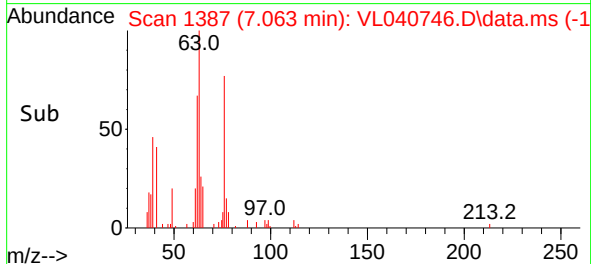
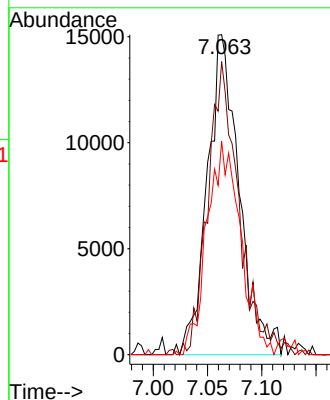
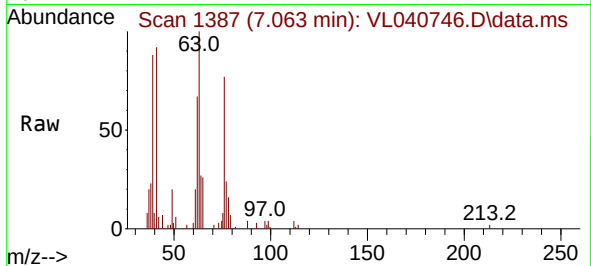
Ion	Ratio	Lower	Upper
63	100		
41	91.6	61.6	92.4
62	66.7	55.8	83.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#40

1,4-Dioxane

Concen: 0.373 ppbv m

RT: 7.323 min Scan# 1468

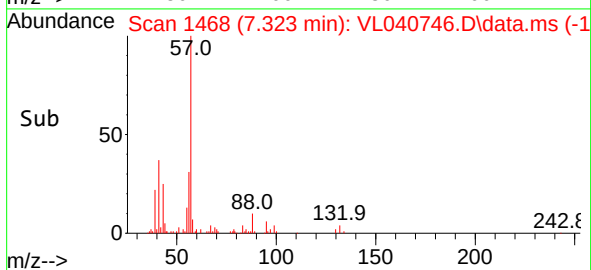
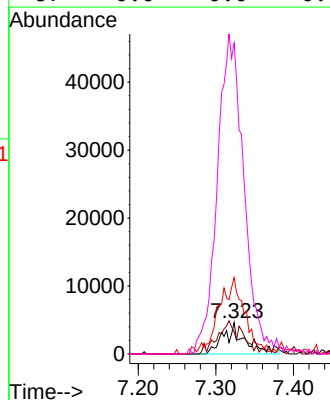
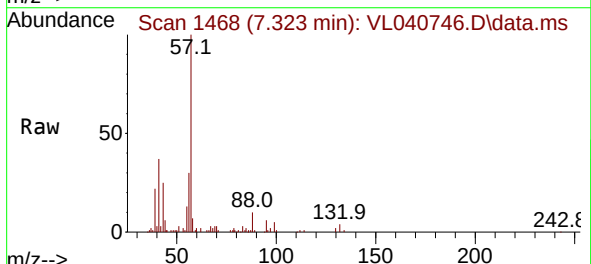
Delta R.T. 0.029 min

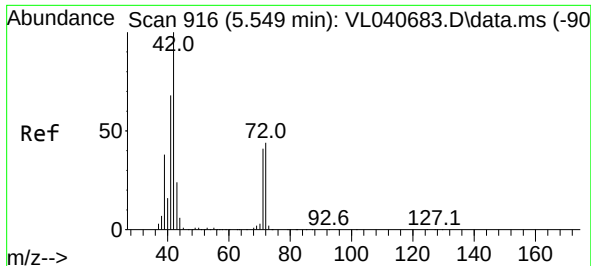
Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion: 88 Resp: 9103

Ion	Ratio	Lower	Upper
88	100		
58	0.0	92.7	139.1#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.418 ppbv m

RT: 5.581 min Scan# 916

Delta R.T. 0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

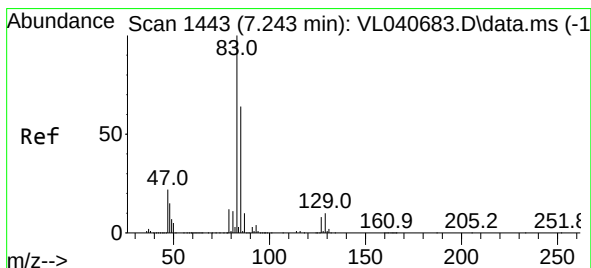
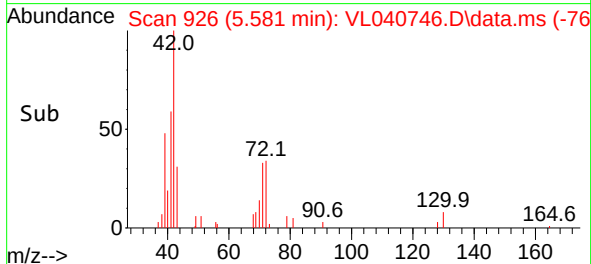
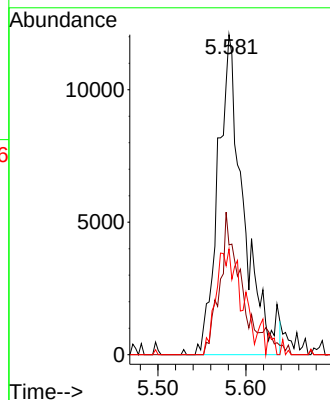
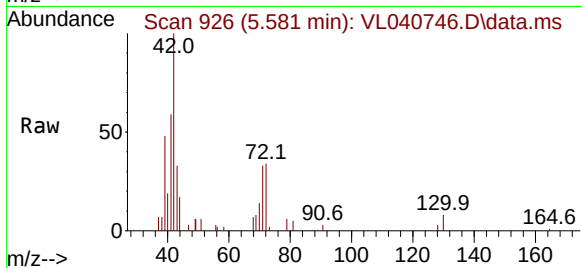
Tgt Ion:	42	Resp:	24420
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.9	52.3
71	0.0	33.8	50.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#42

Bromodichloromethane

Concen: 0.446 ppbv

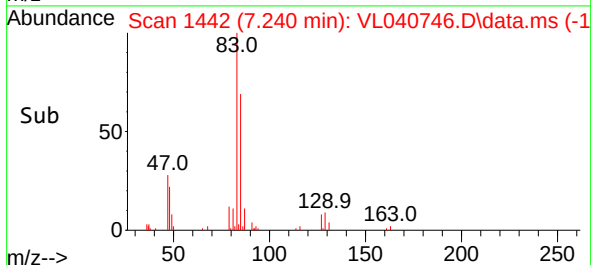
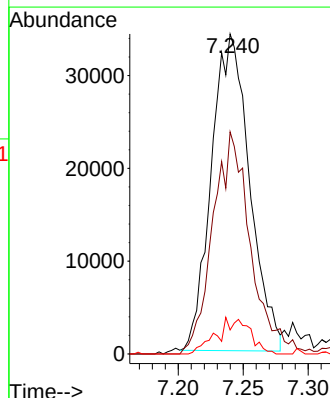
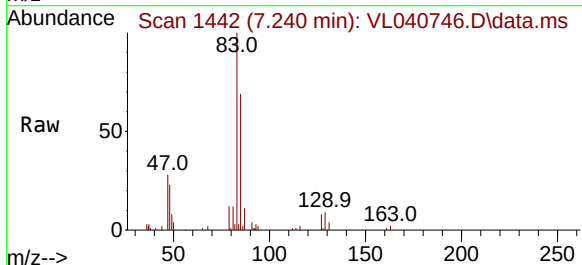
RT: 7.240 min Scan# 1442

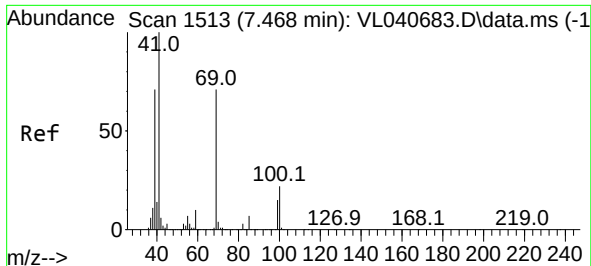
Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

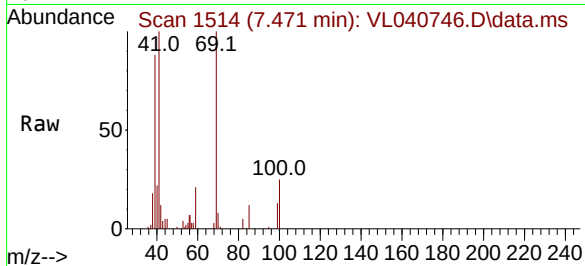
Tgt Ion:	83	Resp:	69874
Ion Ratio	Lower	Upper	
83	100		
85	70.2	51.2	76.8
127	7.6	6.2	9.4





#43
Methyl Methacrylate
Concen: 0.372 ppbv m
RT: 7.471 min Scan# 1513
Delta R.T. -0.010 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

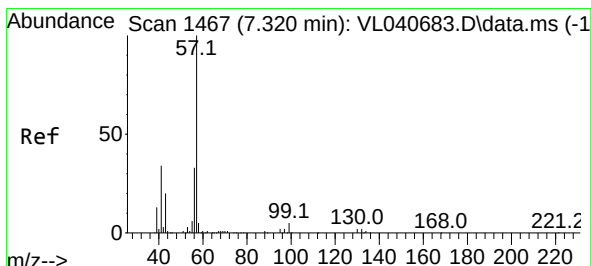
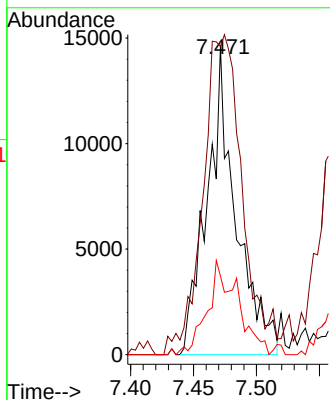
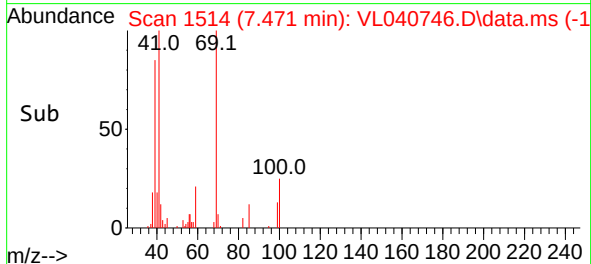
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 69 Resp: 2323
Ion Ratio Lower Upper
69 100
41 0.0 113.8 170.8
100 33.4 25.4 38.0

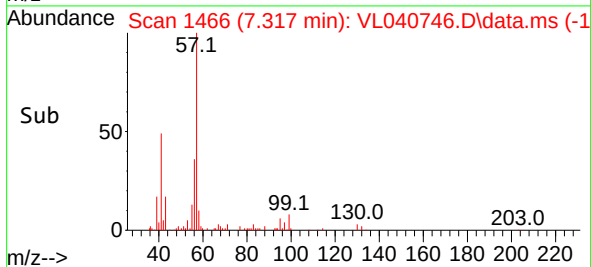
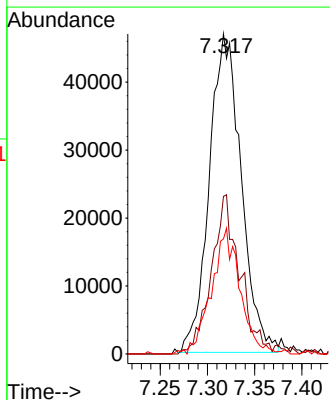
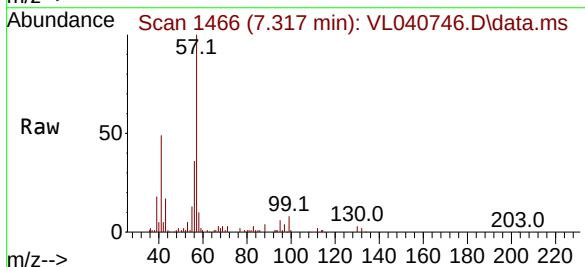
Manual Integrations
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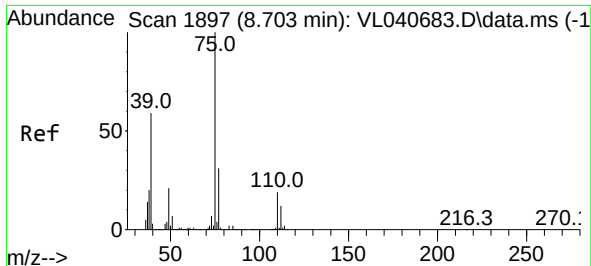
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#44
2,2,4-Trimethylpentane
Concen: 0.412 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion: 57 Resp: 109994
Ion Ratio Lower Upper
57 100
41 45.6 28.5 42.7#
56 35.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.347 ppbv m

RT: 8.703 min Scan# 1897

Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

Tgt Ion: 75 Resp: 16800

Ion Ratio Lower Upper

75 100

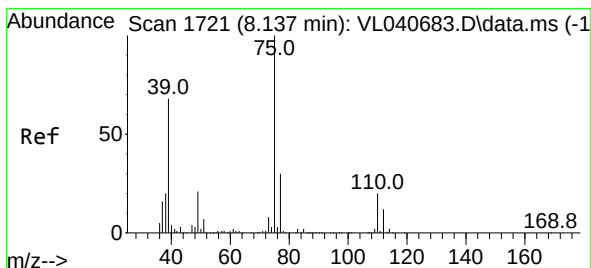
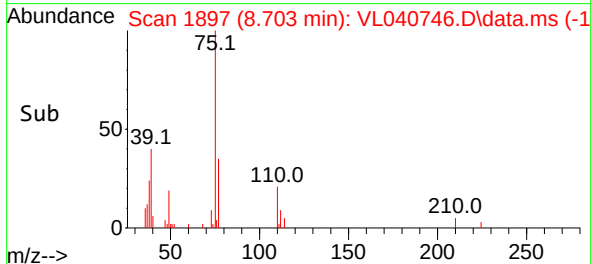
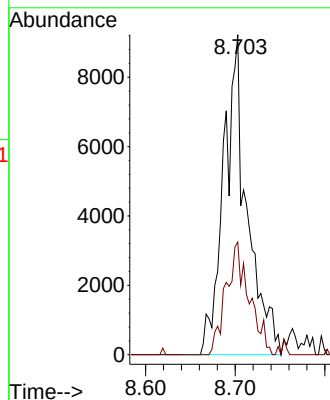
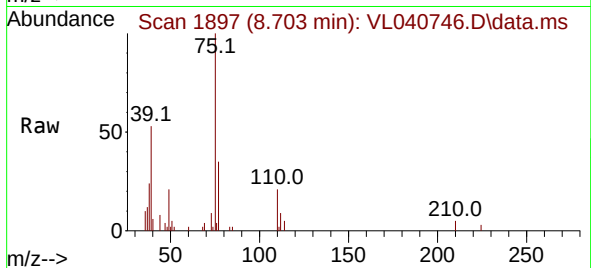
77 35.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#46

cis-1,3-Dichloropropene

Concen: 0.390 ppbv m

RT: 8.137 min Scan# 1721

Delta R.T. -0.013 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

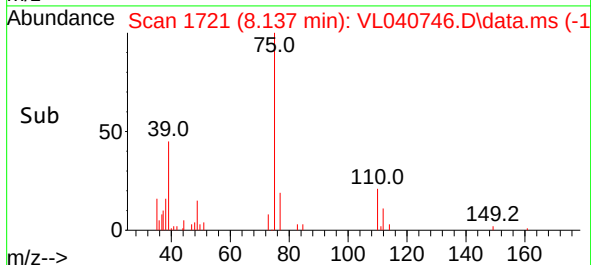
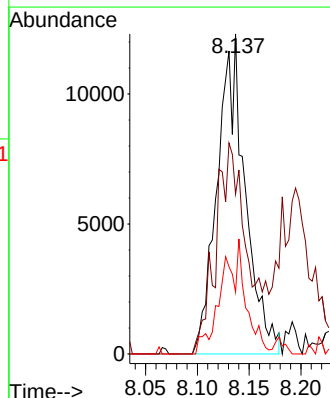
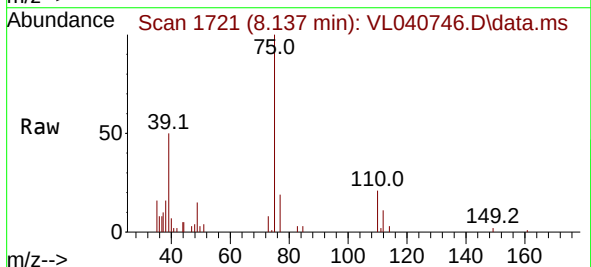
Tgt Ion: 75 Resp: 23067

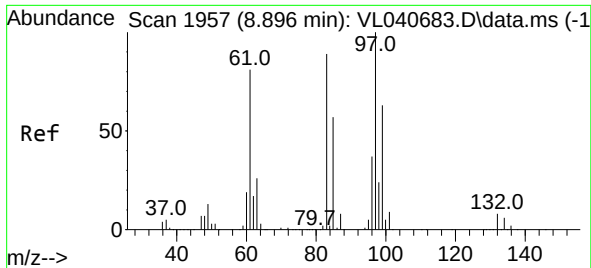
Ion Ratio Lower Upper

75 100

39 50.0 54.0 81.0#

77 19.4 23.6 35.4#





#47

1,1,2-Trichloroethane

Concen: 0.463 ppbv

RT: 8.889 min Scan# 1955

Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

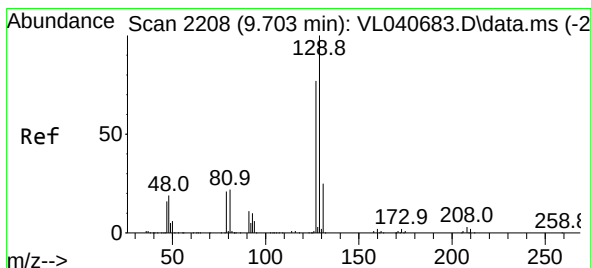
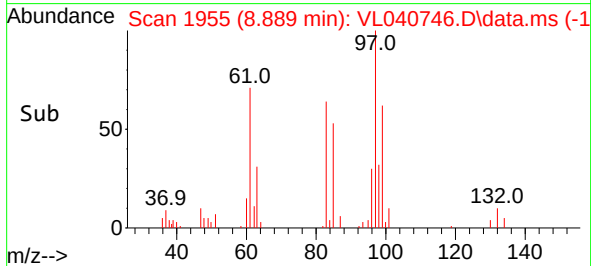
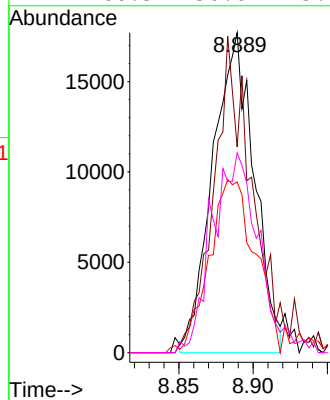
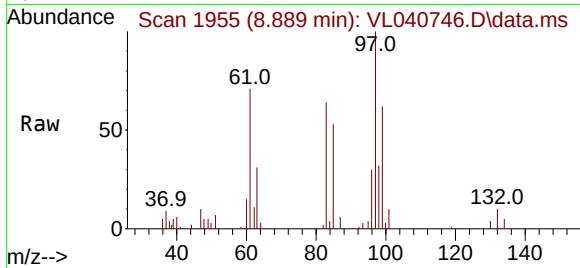
Tgt Ion: 97 Resp: 3434

Ion	Ratio	Lower	Upper
97	100		
83	63.3	70.8	106.2
85	54.7	45.7	68.5
99	60.5	50.6	75.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#48

Dibromochloromethane

Concen: 0.429 ppbv m

RT: 9.693 min Scan# 2205

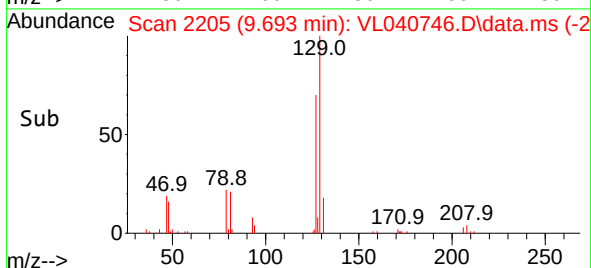
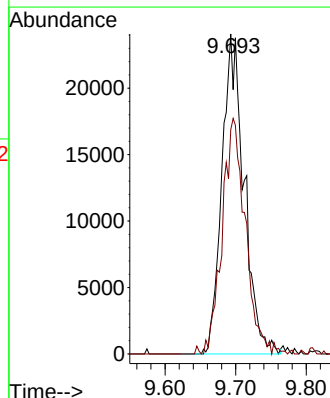
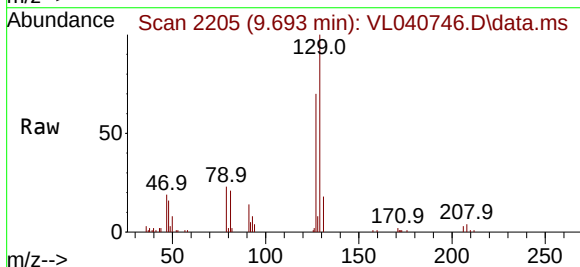
Delta R.T. -0.029 min

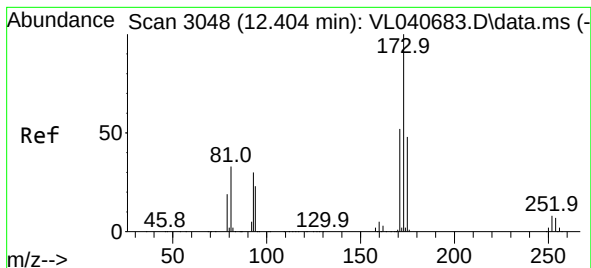
Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:129 Resp: 52525

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.4	118.2





#49

Bromoform

Concen: 0.392 ppbv

RT: 12.391 min Scan# 3044

Delta R.T. -0.029 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

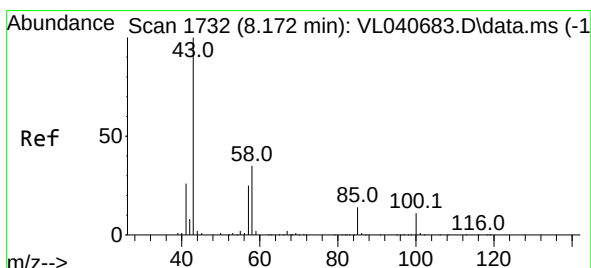
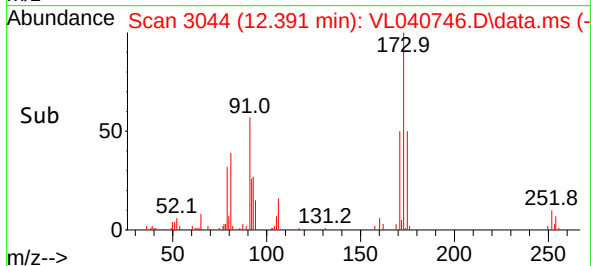
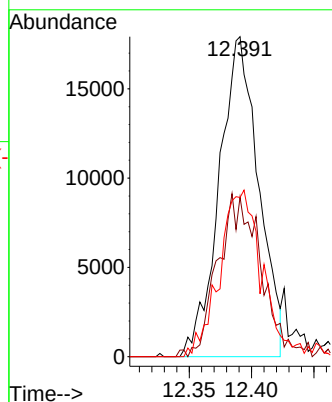
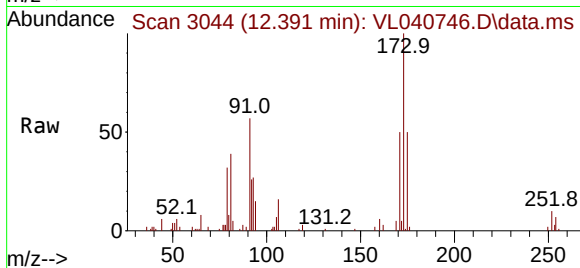
LOD-MDL-AIR-01-QT4-2023

Tgt Ion:	173	Resp:	3935
Ion Ratio	Lower	Upper	
173	100		
175	56.5	38.8	58.2
171	55.7	42.2	63.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#50

4-Methyl-2-Pentanone

Concen: 0.341 ppbv

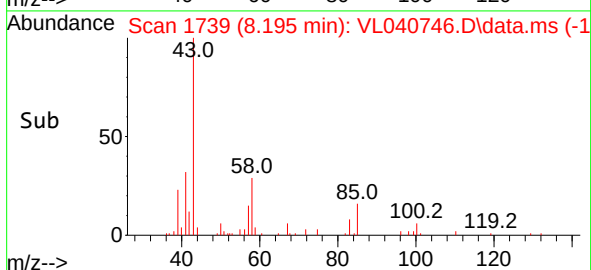
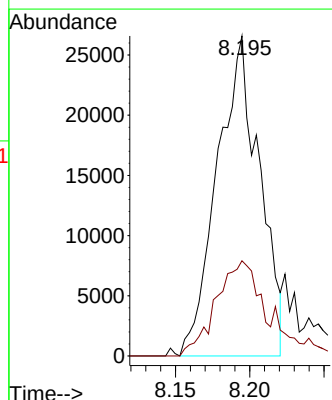
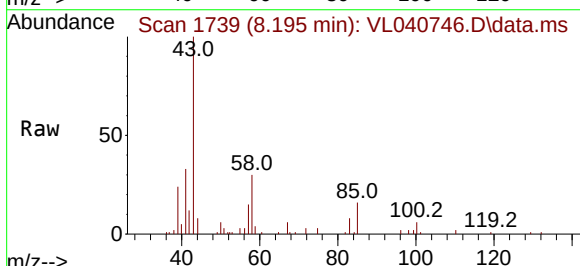
RT: 8.195 min Scan# 1739

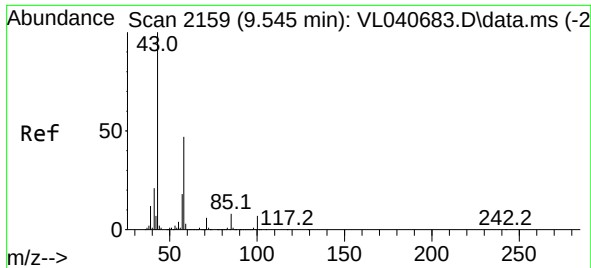
Delta R.T. 0.003 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:	43	Resp:	52528
Ion Ratio	Lower	Upper	
43	100		
58	37.9	28.2	42.4





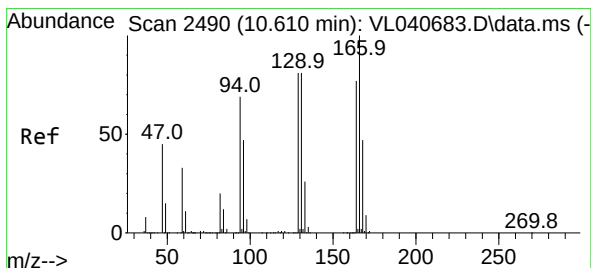
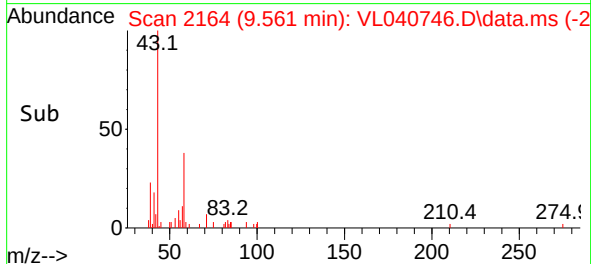
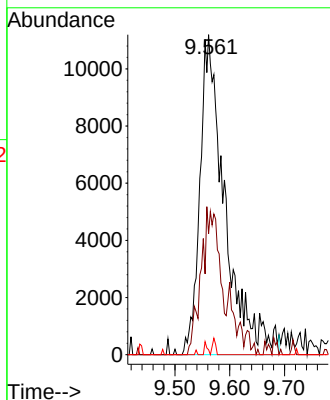
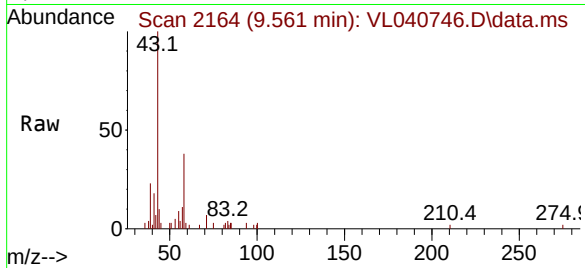
#51
2-Hexanone
Concen: 0.335 ppbv m
RT: 9.561 min Scan# 2159
Delta R.T. 0.006 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 43 Resp: 35624
Ion Ratio Lower Upper
43 100
58 0.0 37.6 56.4
98 0.1 0.6 1.0

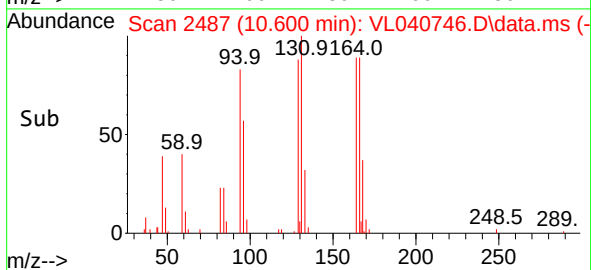
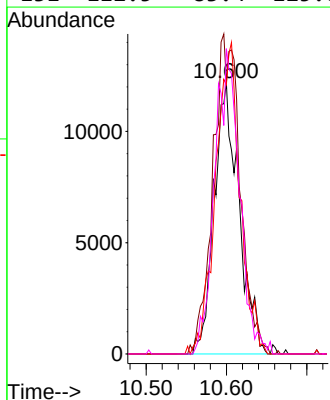
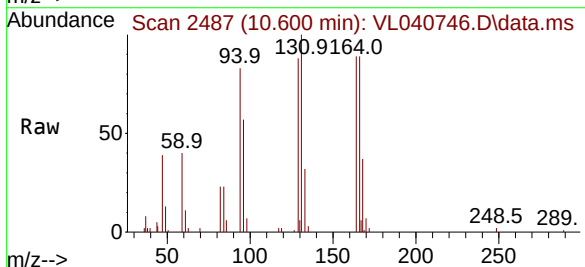
Manual Integrations
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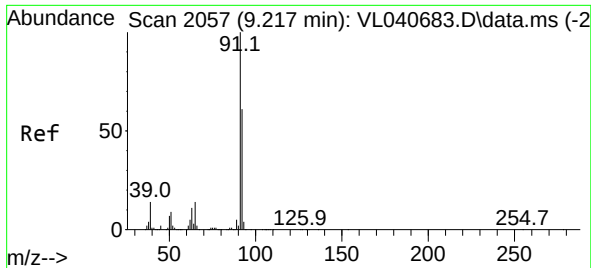
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#52
Tetrachloroethene
Concen: 0.482 ppbv m
RT: 10.600 min Scan# 2487
Delta R.T. -0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion:164 Resp: 26390
Ion Ratio Lower Upper
164 100
166 99.9 103.4 155.2
129 99.2 83.5 125.3
131 112.5 83.4 125.0





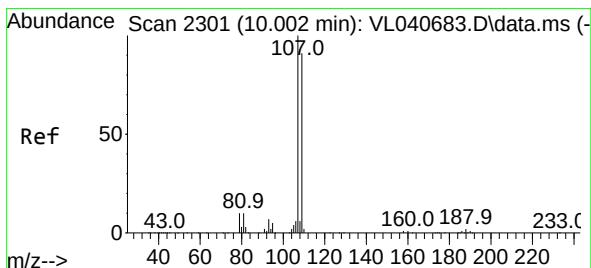
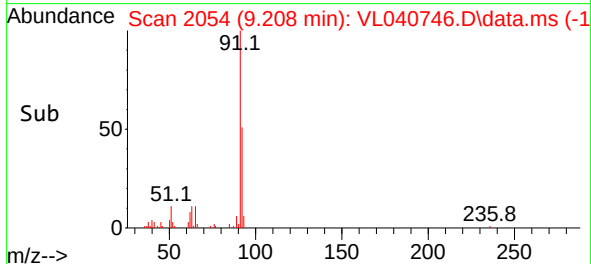
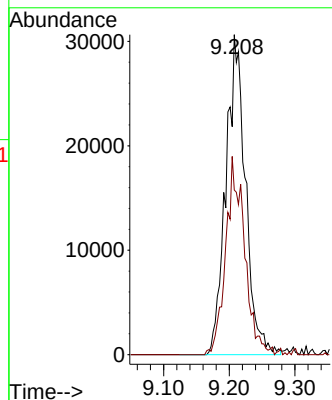
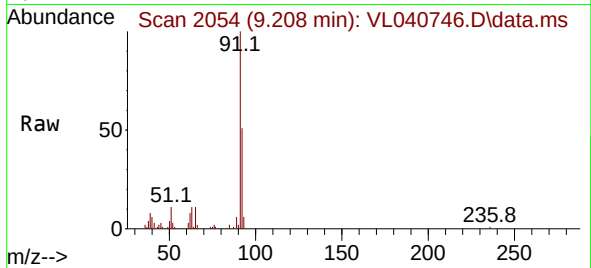
#53
Toluene
Concen: 0.359 ppbv m
RT: 9.208 min Scan# 2057
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 91 Resp: 63602
Ion Ratio Lower Upper
91 100
92 59.2 48.5 72.7

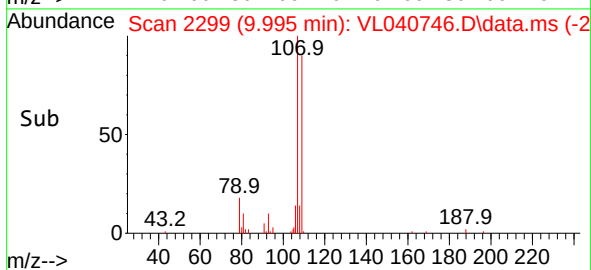
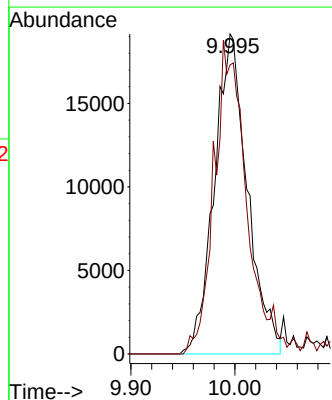
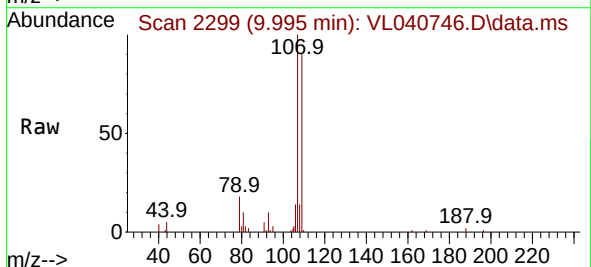
Manual Integrations
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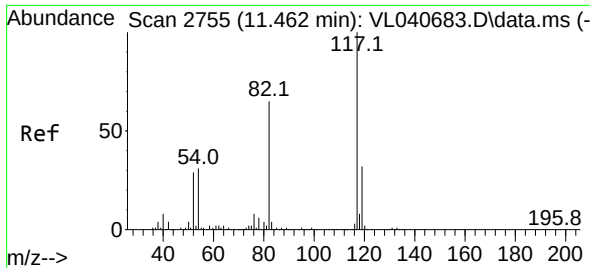
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#54
1,2-Dibromoethane
Concen: 0.448 ppbv
RT: 9.995 min Scan# 2299
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

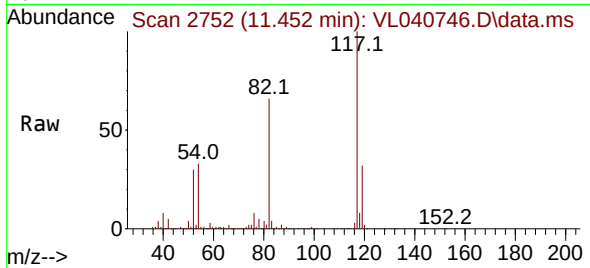
Tgt Ion:107 Resp: 42437
Ion Ratio Lower Upper
107 100
109 90.4 72.4 108.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2755
Delta R.T. -0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

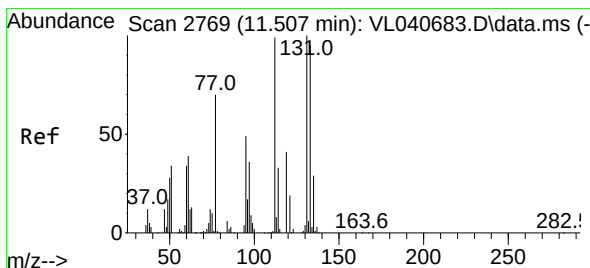
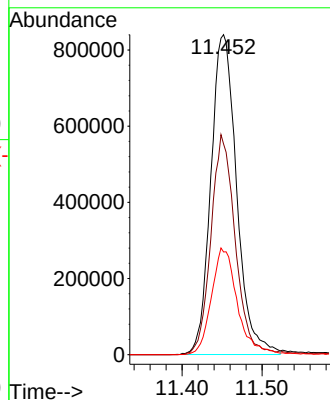
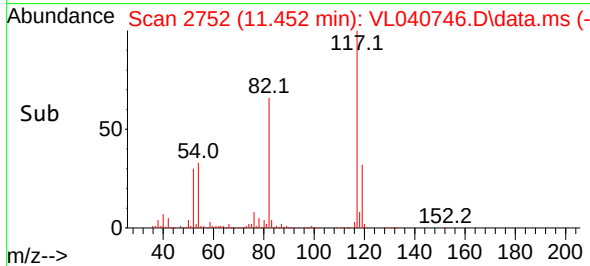
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:117 Resp: 188135
Ion Ratio Lower Upper
117 100
82 65.5 51.4 77.0
119 33.9 24.7 37.1

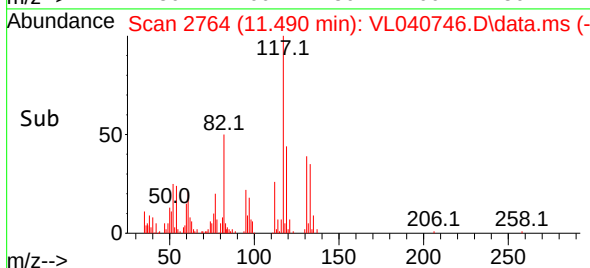
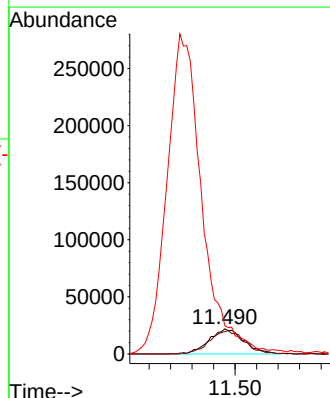
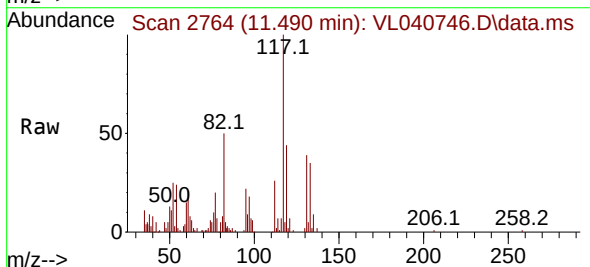
Manual Integrations
APPROVED

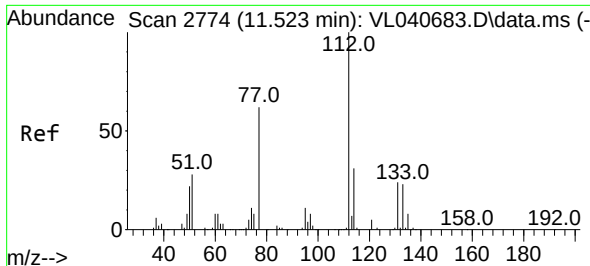
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.545 ppbv
RT: 11.490 min Scan# 2764
Delta R.T. -0.029 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

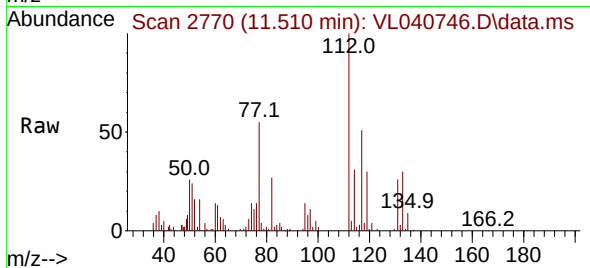
Tgt Ion:131 Resp: 48853
Ion Ratio Lower Upper
131 100
133 94.7 76.2 114.2
119 1302.3 45.5 68.3#





#57
Chlorobenzene
Concen: 0.547 ppbv m
RT: 11.510 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

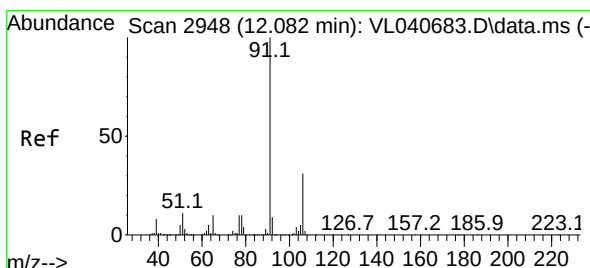
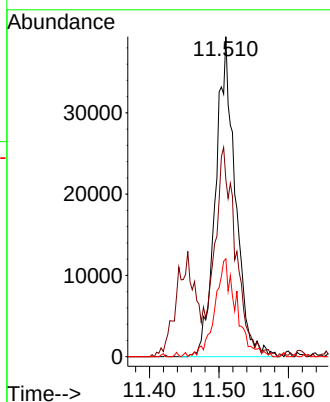
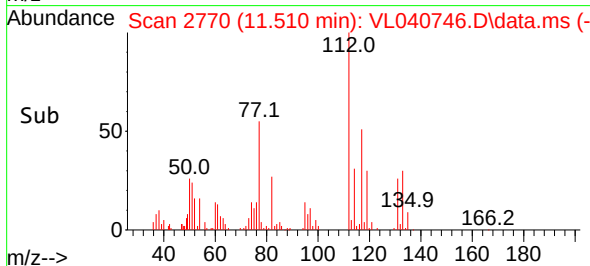
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:112 Resp: 7786
Ion Ratio Lower Upper
112 100
77 55.3 50.8 76.2
114 30.6 28.2 34.4

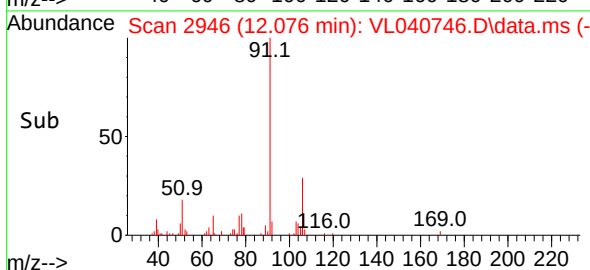
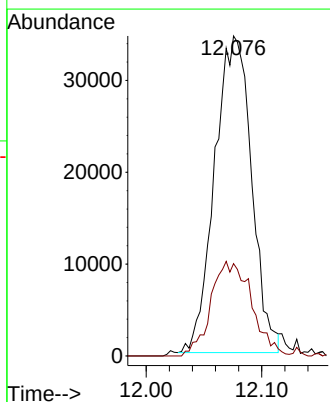
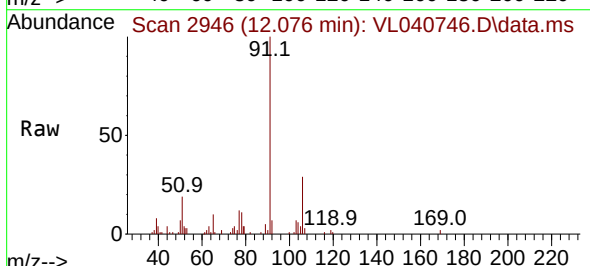
Manual Integrations
APPROVED

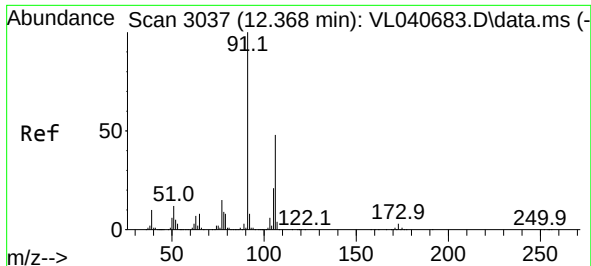
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#58
Ethyl Benzene
Concen: 0.357 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

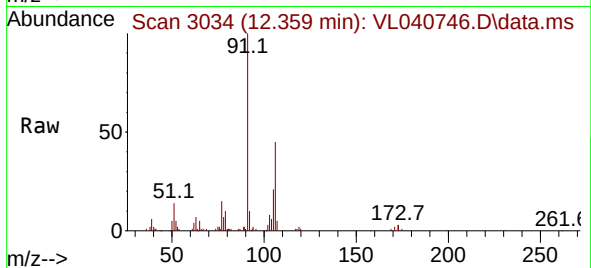
Tgt Ion: 91 Resp: 76585
Ion Ratio Lower Upper
91 100
106 29.2 24.7 37.1





#59
m/p-Xylene
Concen: 0.845 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

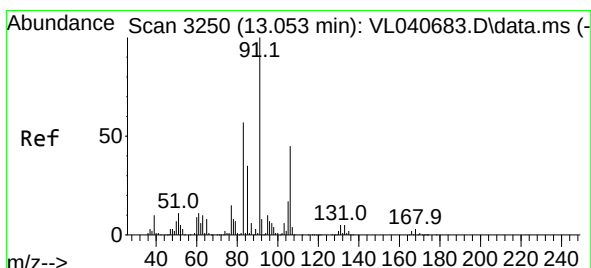
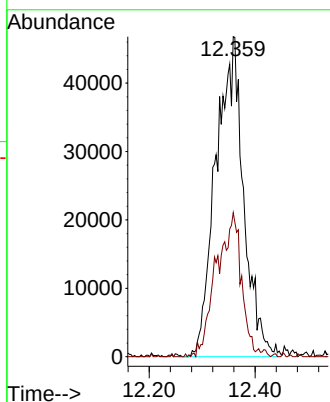
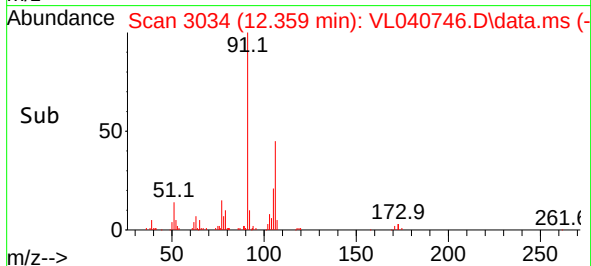
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 91 Resp: 170118
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2

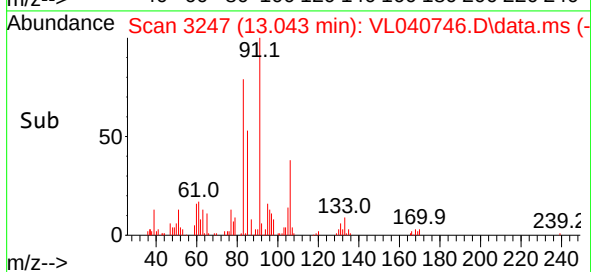
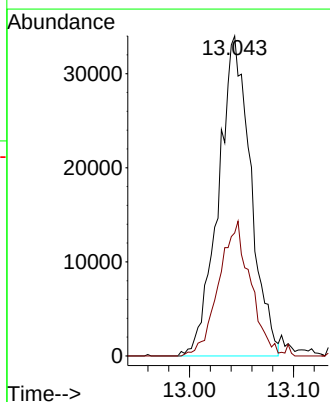
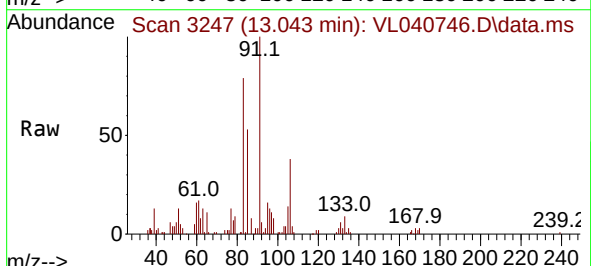
Manual Integrations
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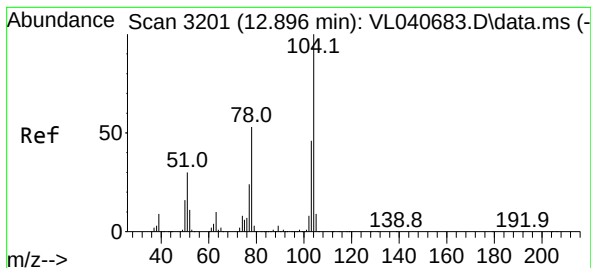
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#60
o-Xylene
Concen: 0.383 ppbv
RT: 13.043 min Scan# 3247
Delta R.T. -0.026 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion: 91 Resp: 73535
Ion Ratio Lower Upper
91 100
106 41.8 22.3 66.9





#61

Styrene

Concen: 0.303 ppbv m

RT: 12.883 min Scan# 3197

Delta R.T. -0.023 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

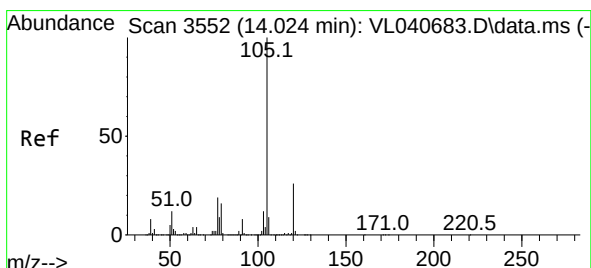
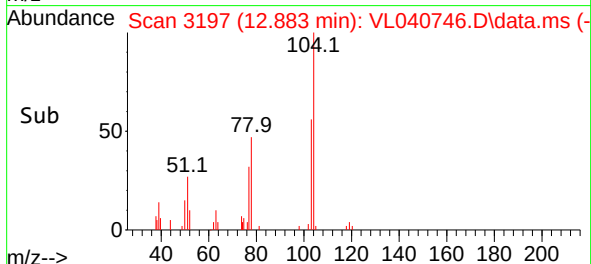
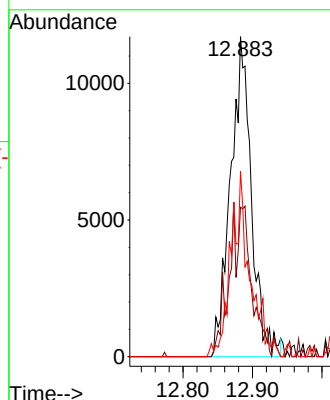
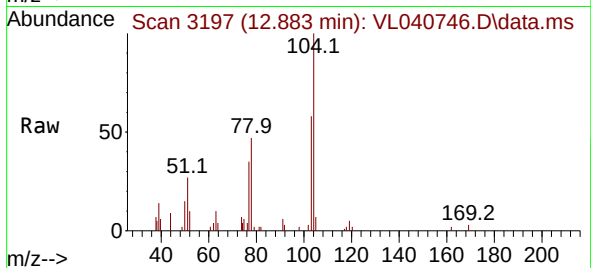
LOD-MDL-AIR-01-QT4-2023

Tgt Ion:	104	Resp:	24379
Ion Ratio	Lower	Upper	
104	100		
78	50.7	43.4	65.0
103	52.9	37.2	55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#62

Isopropylbenzene

Concen: 0.432 ppbv

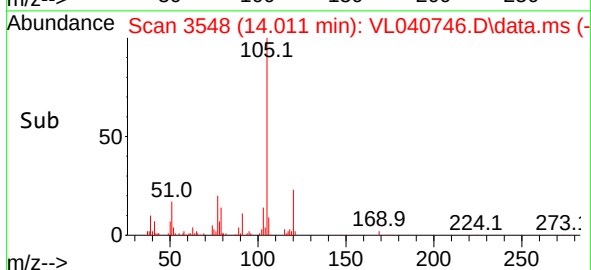
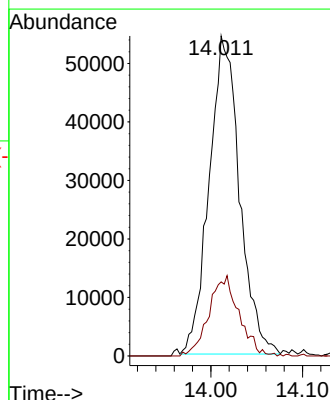
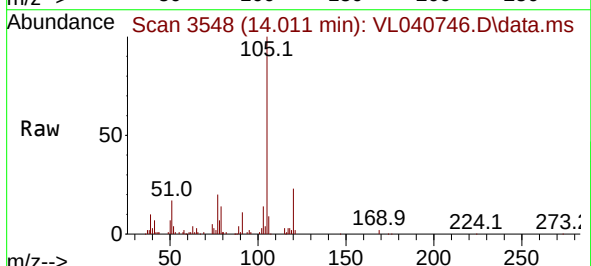
RT: 14.011 min Scan# 3548

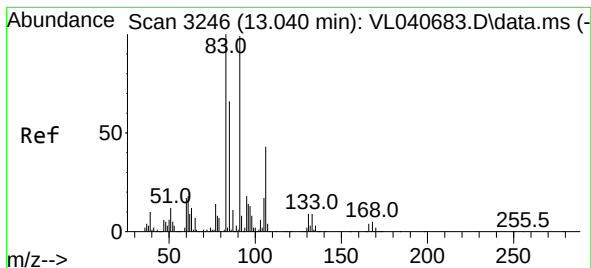
Delta R.T. -0.026 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:	105	Resp:	125358
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.2	30.4





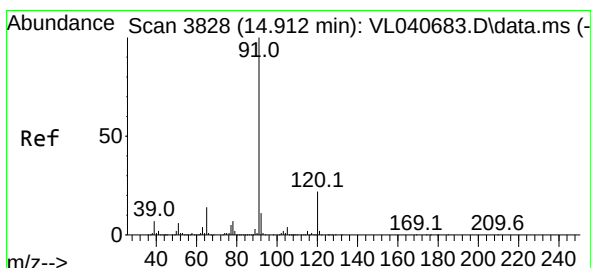
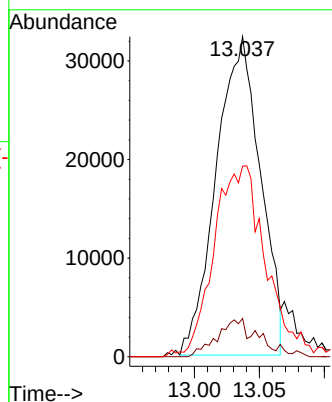
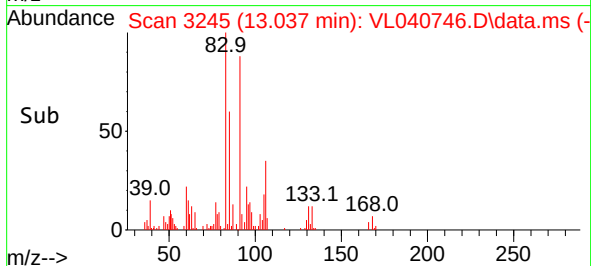
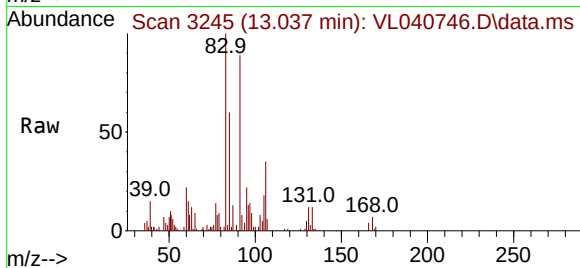
#63
1,1,2,2-Tetrachloroethane
Concen: 0.508 ppbv
RT: 13.037 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 83 Resp: 76472
Ion Ratio Lower Upper
83 100
131 11.3 4.7 14.1
85 72.9 33.1 99.3

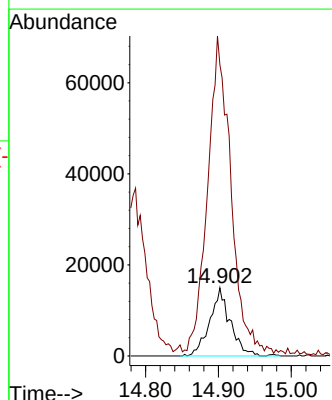
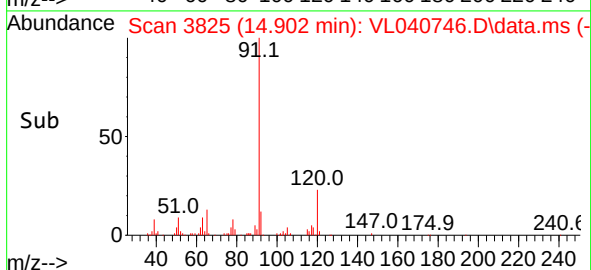
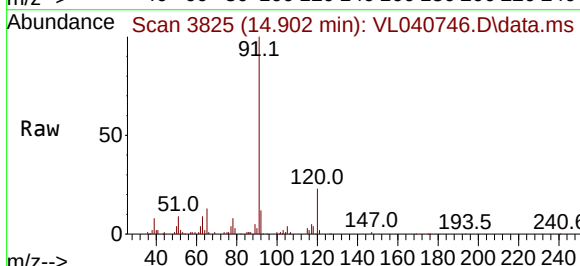
Manual Integrations
APPROVED

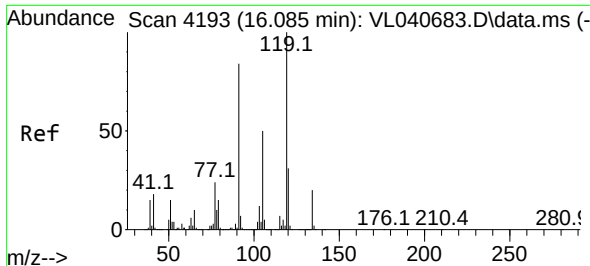
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#64
n-propylbenzene
Concen: 0.403 ppbv m
RT: 14.902 min Scan# 3825
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

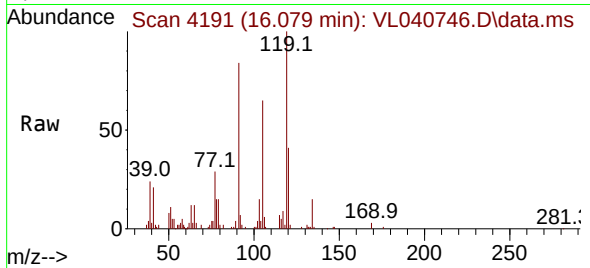
Tgt Ion:120 Resp: 29190
Ion Ratio Lower Upper
120 100
91 535.3 386.9 580.3





#65
tert-Butylbenzene
Concen: 0.454 ppbv m
RT: 16.079 min Scan# 4193
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

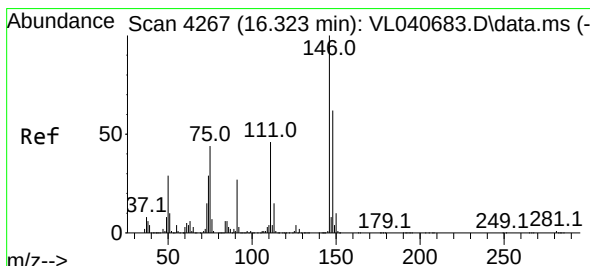
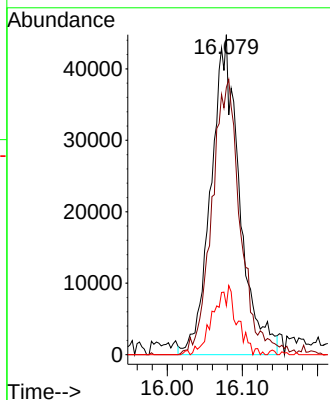
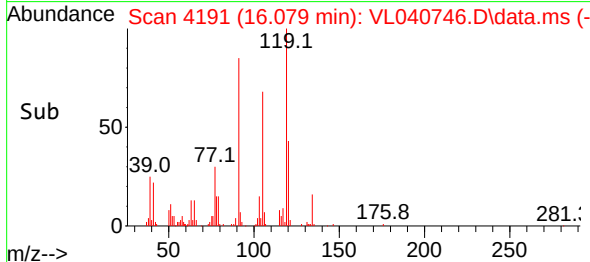
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



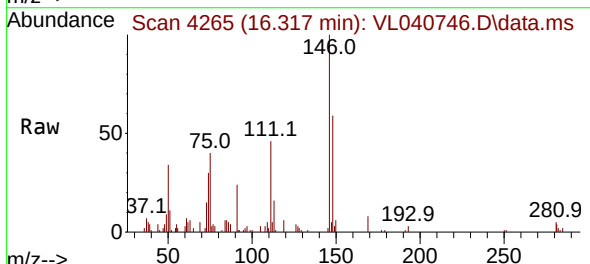
Tgt Ion: 119 Resp: 11828
Ion Ratio Lower Upper
119 100
91 0.0 69.8 104.8
134 0.0 15.4 23.2

Manual Integrations
APPROVED

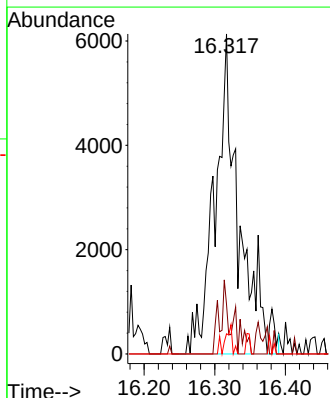
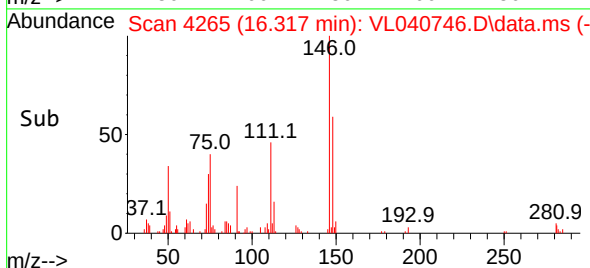
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

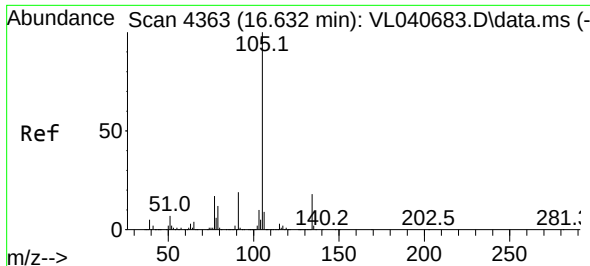


#66
Benzyl Chloride
Concen: 0.477 ppbv m
RT: 16.317 min Scan# 4265
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53



Tgt Ion: 91 Resp: 14496
Ion Ratio Lower Upper
91 100
126 0.0 13.6 20.4#
128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.397 ppbv

RT: 16.622 min Scan# 41

Delta R.T. -0.023 min

Lab File: VL040746.D

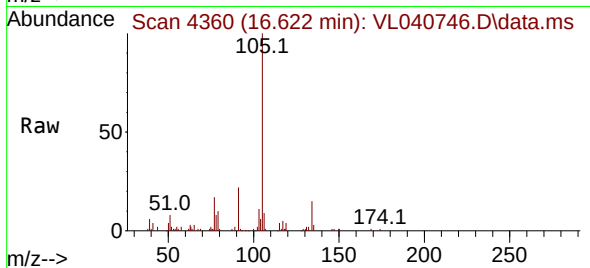
Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023



Tgt Ion:105 Resp: 147959

Ion Ratio Lower Upper

105 100

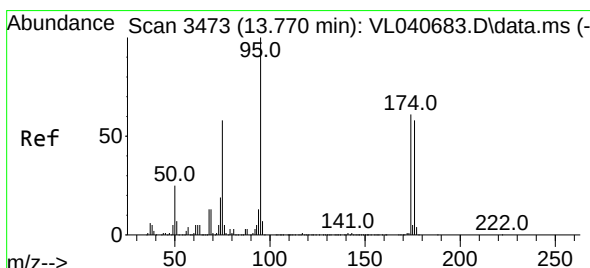
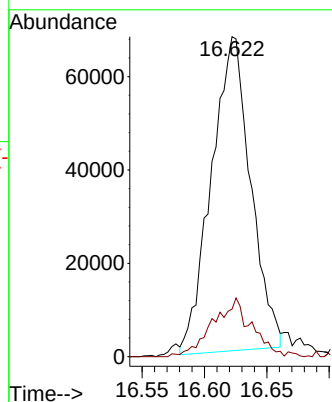
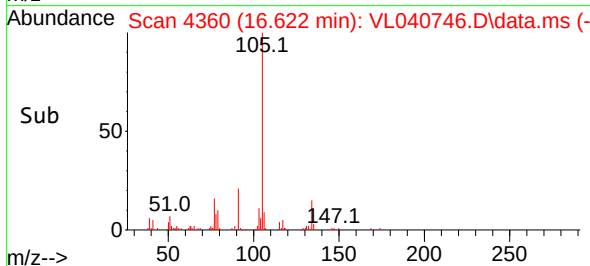
134 18.8 14.1 21.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 10.109 ppbv

RT: 13.760 min Scan# 3470

Delta R.T. -0.026 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

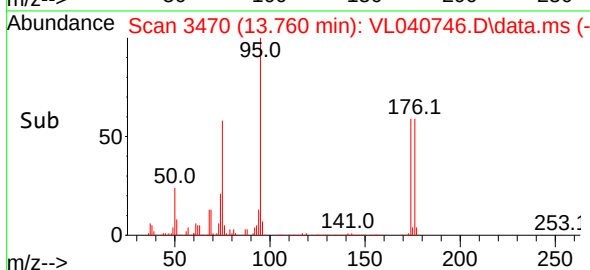
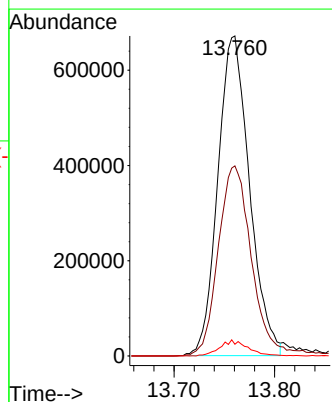
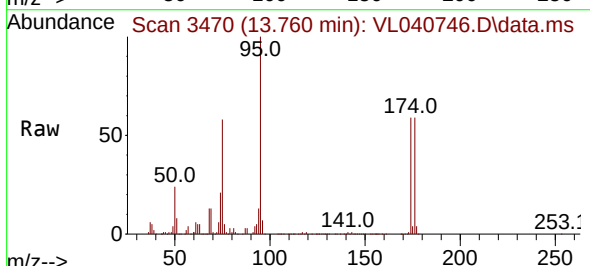
Tgt Ion: 95 Resp: 1469473

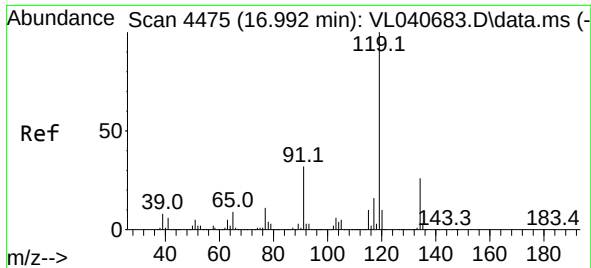
Ion Ratio Lower Upper

95 100

174 63.1 48.9 73.3

175 4.5 3.5 5.3





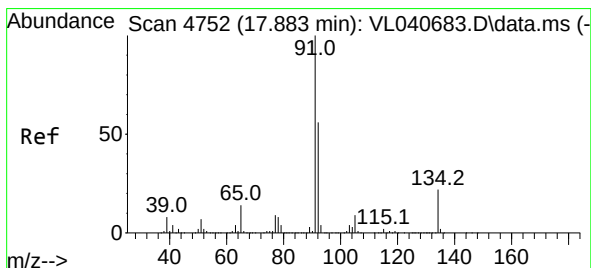
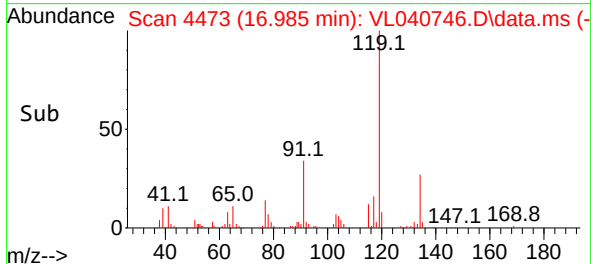
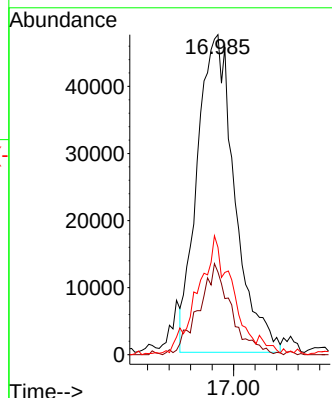
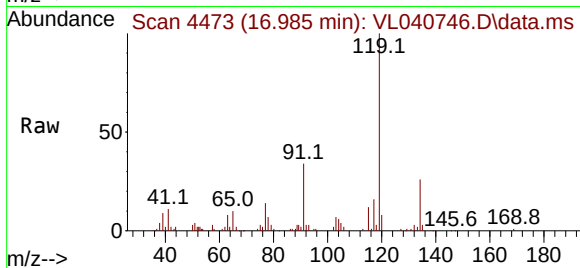
#69
p-Isopropyltoluene
Concen: 0.392 ppbv
RT: 16.985 min Scan# 4473
Delta R.T. -0.016 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion:119 Resp: 11493
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.2
91 36.3 25.0 37.6

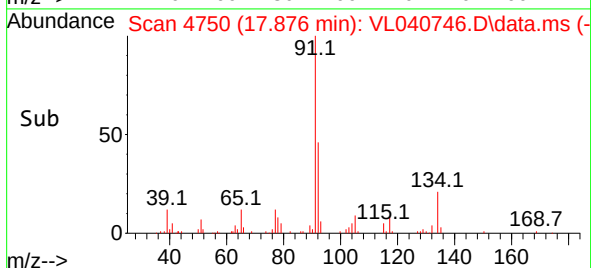
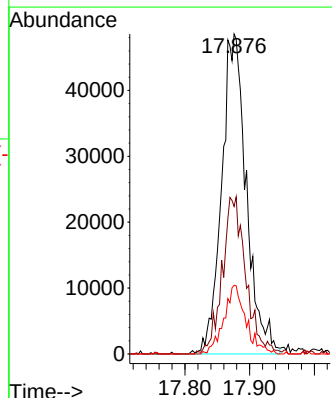
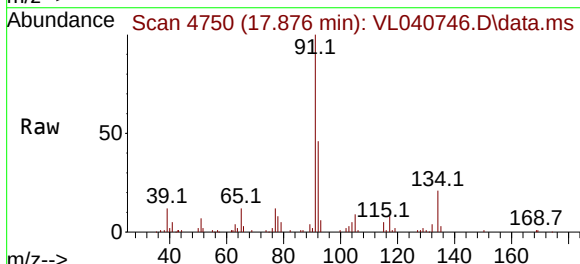
Manual Integrations
APPROVED

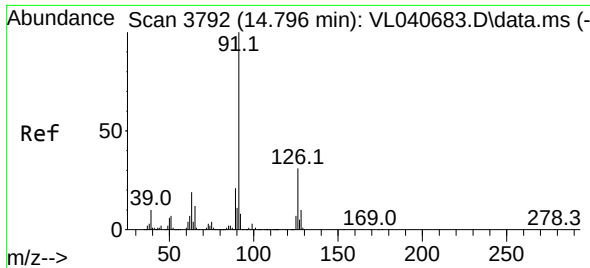
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#70
n-Butylbenzene
Concen: 0.400 ppbv m
RT: 17.876 min Scan# 4750
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion: 91 Resp: 128946
Ion Ratio Lower Upper
91 100
92 0.0 42.7 64.1#
134 0.0 17.0 25.4#





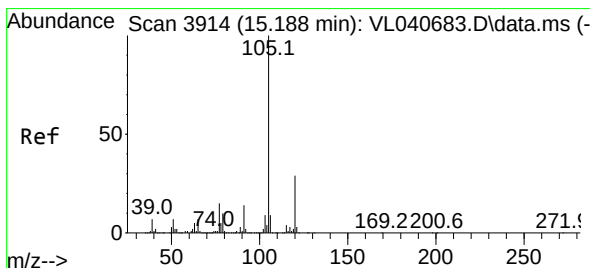
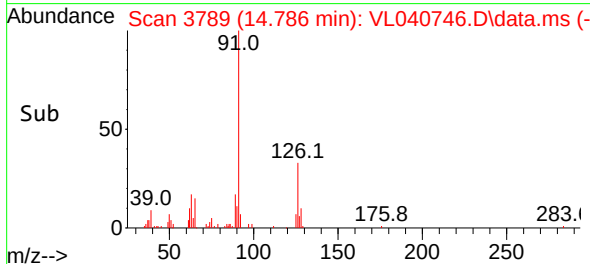
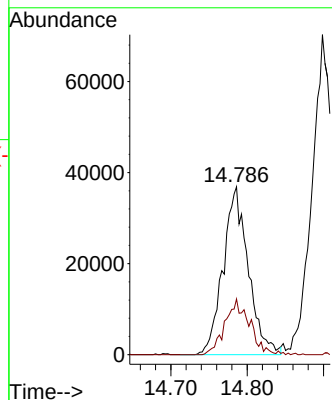
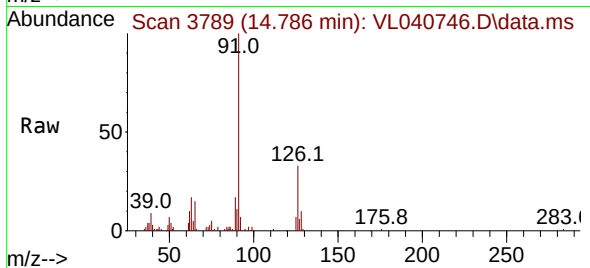
#71
2-Chlorotoluene
Concen: 0.394 ppbv m
RT: 14.786 min Scan# 3792
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion: 91 Resp: 84539
Ion Ratio Lower Upper
91 100
126 32.5 12.0 47.8

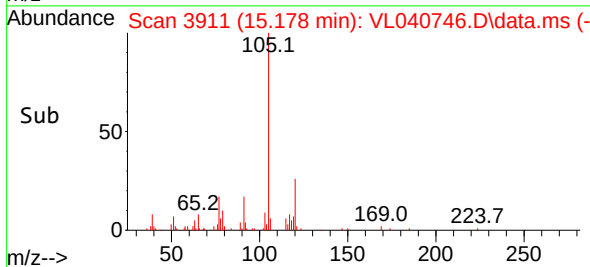
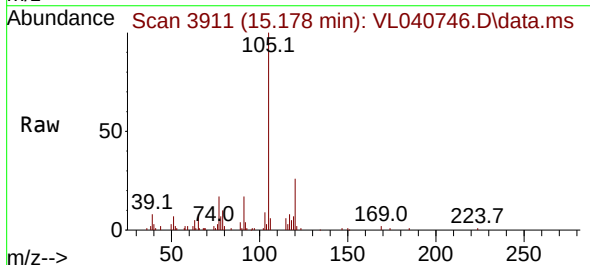
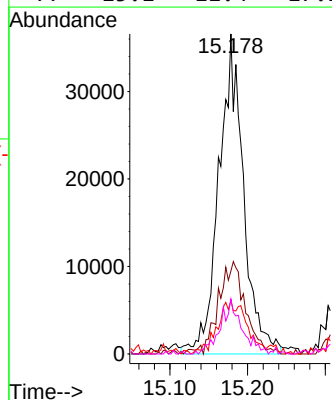
Manual Integrations
APPROVED

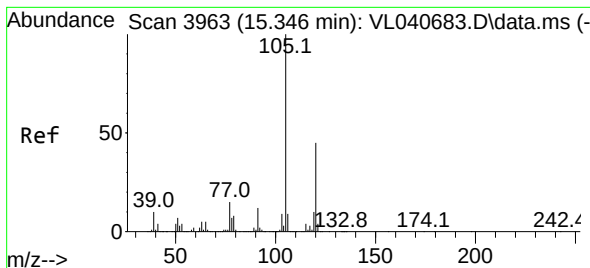
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#72
4-Ethyltoluene
Concen: 0.373 ppbv m
RT: 15.178 min Scan# 3911
Delta R.T. -0.023 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion:105 Resp: 80341
Ion Ratio Lower Upper
105 100
120 32.3 23.9 35.9
91 20.9 11.0 16.4#
77 15.1 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 0.382 ppbv

RT: 15.336 min Scan# 3963

Delta R.T. -0.026 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023

Tgt Ion:105 Resp: 7405

Ion Ratio Lower Upper

105 100

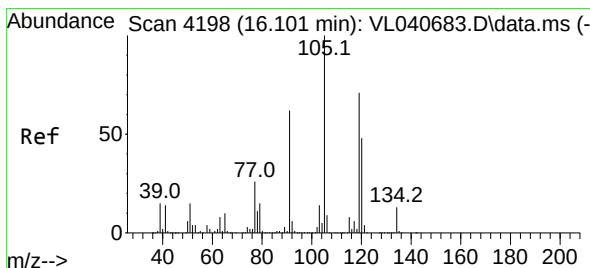
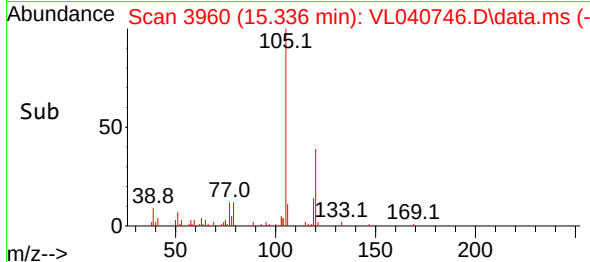
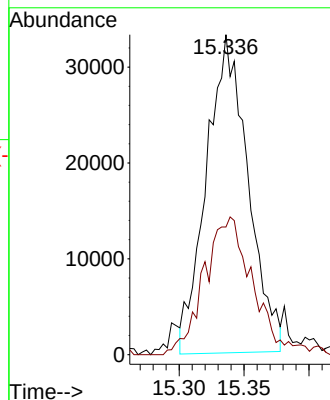
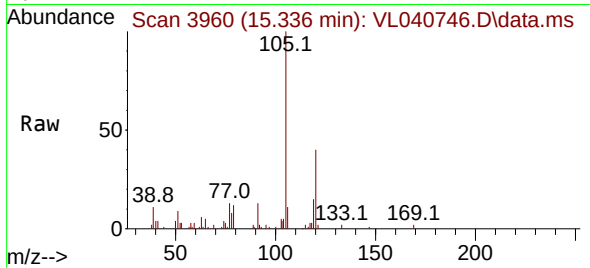
120 38.5 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.427 ppbv

RT: 16.092 min Scan# 4195

Delta R.T. -0.026 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:105 Resp: 100977

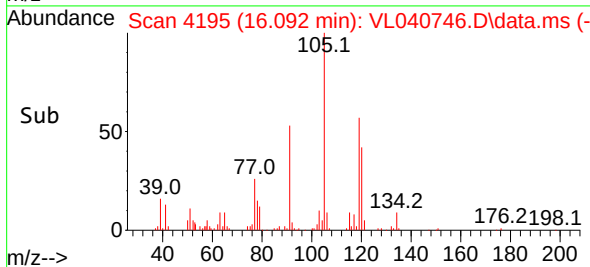
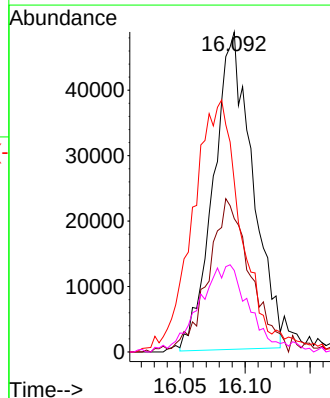
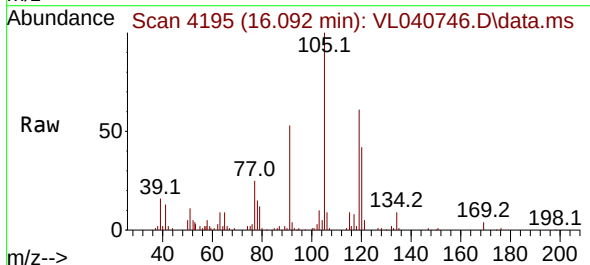
Ion Ratio Lower Upper

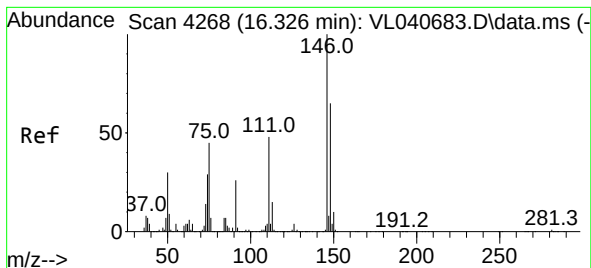
105 100

120 38.3 38.6 57.8#

91 47.6 50.0 75.0#

77 23.1 20.6 31.0





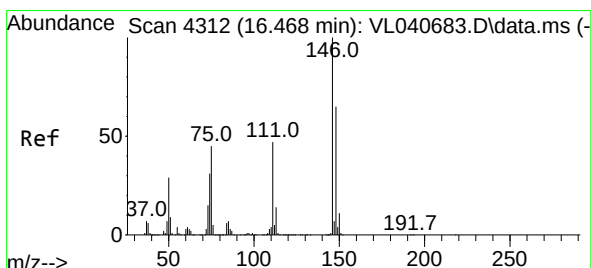
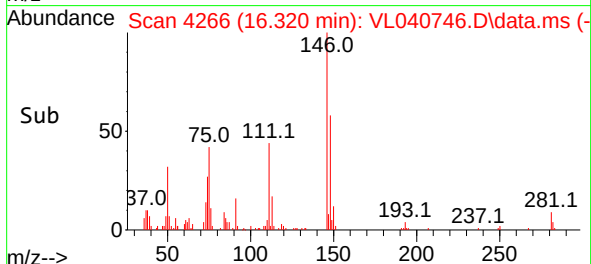
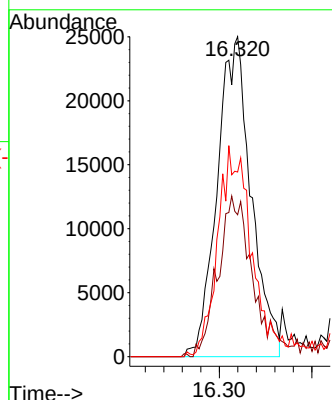
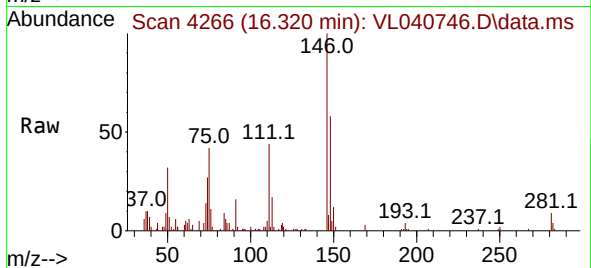
#75
1,3-Dichlorobenzene
Concen: 0.473 ppbv m
RT: 16.320 min Scan# 4307
Delta R.T. -0.019 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

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

Tgt Ion:146 Resp: 6370
Ion Ratio Lower Upper
146 100
111 53.0 23.9 71.7
148 66.7 31.8 95.4

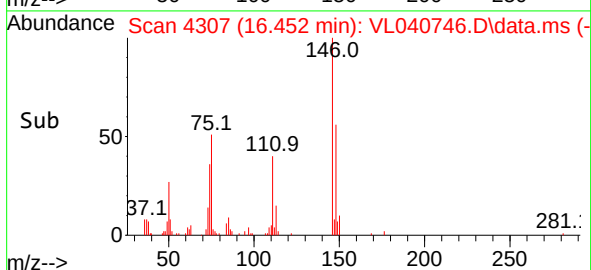
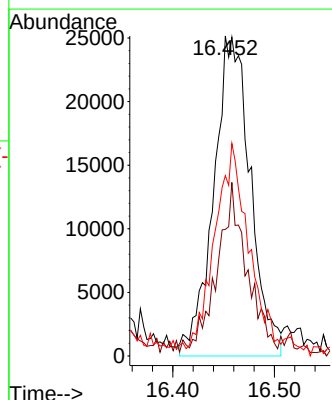
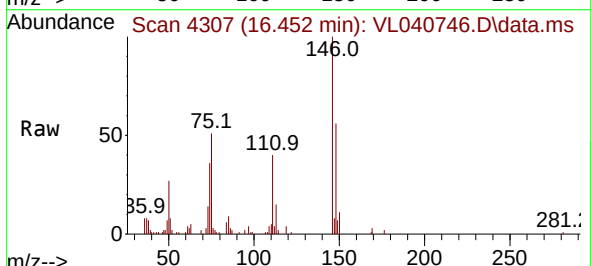
Manual Integrations
APPROVED

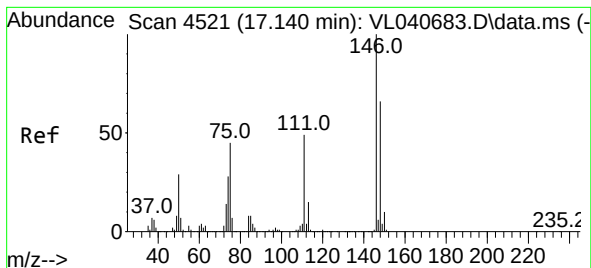
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#76
1,4-Dichlorobenzene
Concen: 0.478 ppbv m
RT: 16.452 min Scan# 4307
Delta R.T. -0.029 min
Lab File: VL040746.D
Acq: 4 Oct 2023 18:53

Tgt Ion:146 Resp: 63313
Ion Ratio Lower Upper
146 100
111 0.0 23.8 71.2#
148 0.0 32.6 97.7#





#77

1,2-Dichlorobenzene

Concen: 0.501 ppbv m

RT: 17.130 min Scan# 4518

Delta R.T. -0.023 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

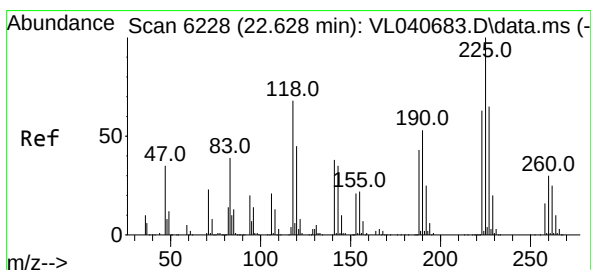
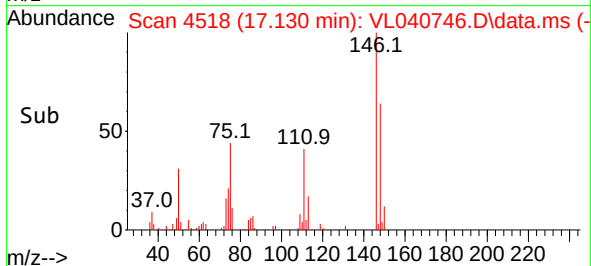
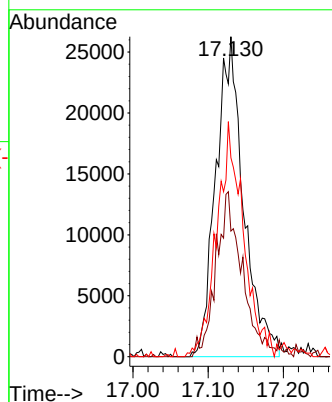
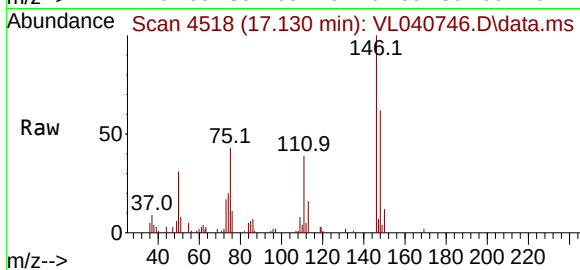
LOD-MDL-AIR-01-QT4-2023

Tgt Ion:	146	Resp:	6717
Ion Ratio	Lower	Upper	
146	100		
111	0.0	25.0	75.0
148	0.0	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.552 ppbv m

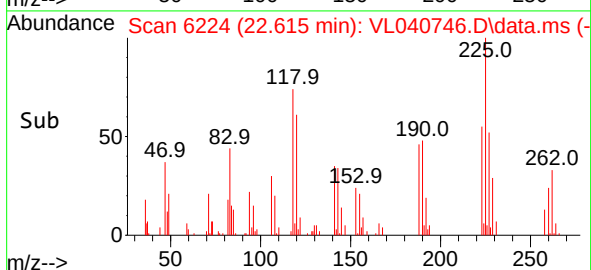
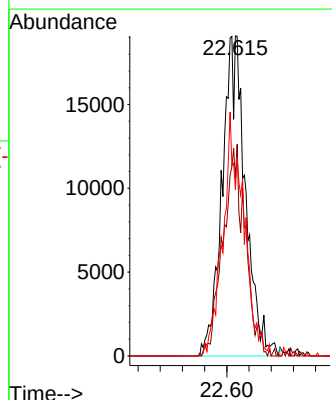
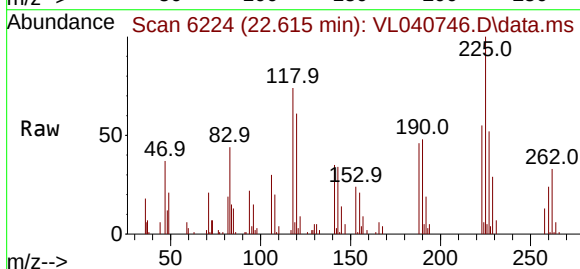
RT: 22.615 min Scan# 6224

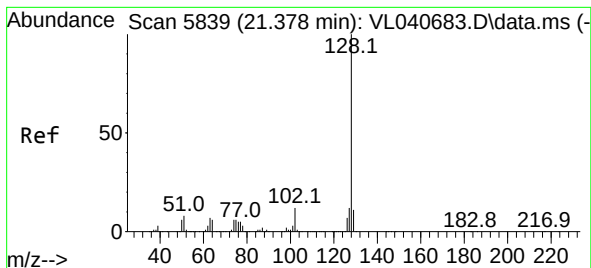
Delta R.T. -0.023 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:	225	Resp:	56030
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.2	76.8
227	0.0	50.7	76.1





#79

Naphthalene

Concen: 0.315 ppbv m

RT: 21.374 min Scan# 5839

Delta R.T. -0.019 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

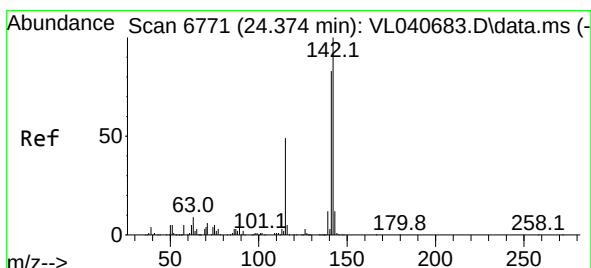
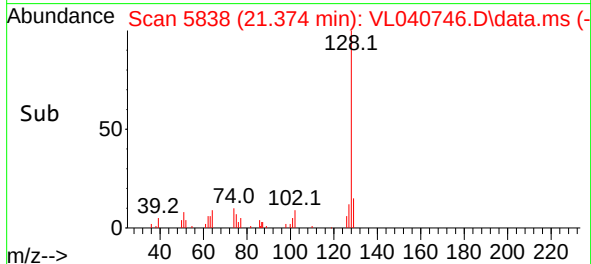
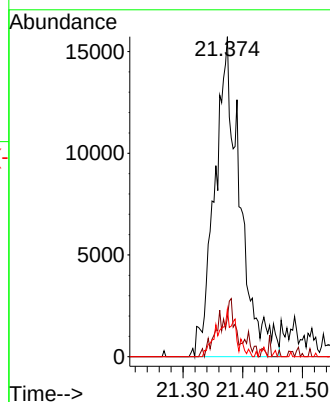
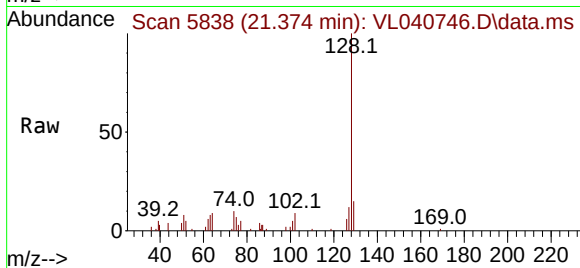
LOD-MDL-AIR-01-QT4-2023

Tgt Ion:	128	Resp:	4635
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.8	14.6
129	14.9	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#80

Naphthalene,2-methyl-

Concen: 0.143 ppbv m

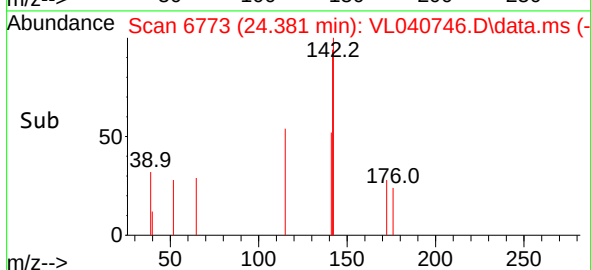
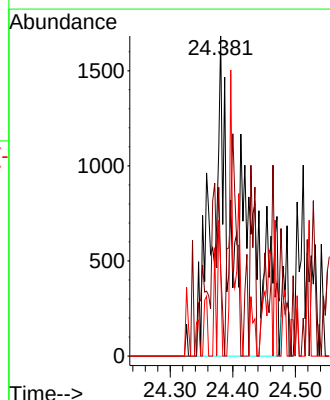
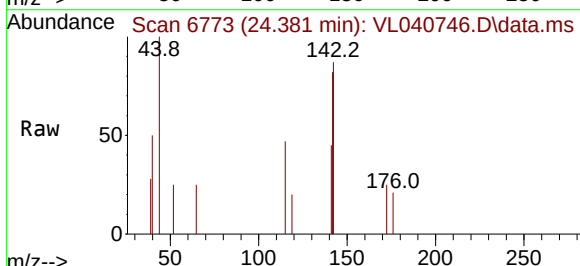
RT: 24.381 min Scan# 6773

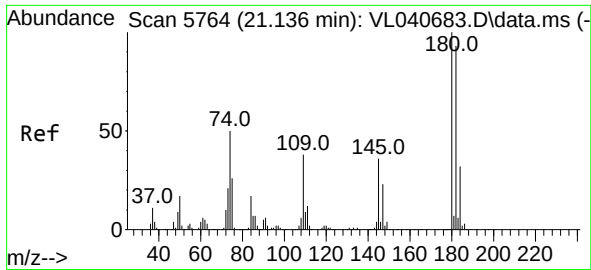
Delta R.T. -0.000 min

Lab File: VL040746.D

Acq: 4 Oct 2023 18:53

Tgt Ion:	142	Resp:	5153
Ion Ratio	Lower	Upper	
142	100		
141	24.9	67.0	100.6#
115	1.9	37.4	56.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.377 ppbv m

RT: 21.127 min Scan# 51

Delta R.T. -0.023 min

Lab File: VL040746.D

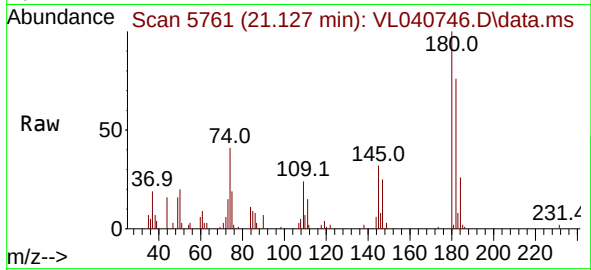
Acq: 4 Oct 2023 18:53

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2023



Tgt Ion:180	Resp:	36230
Ion Ratio	Lower	Upper
180	100	
182	0.0	77.9 116.9
184	0.0	24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

