

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040538.D
 Acq On : 14 Jul 2023 22:40
 Operator : SY/MD
 Sample : 03572-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023

Quant Time: Jul 16 23:34:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	939746	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.648	114	2528986	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.465	117	2213290	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1740214 9.935 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	101334	0.539	ppbv	96
3) Chlorodifluoromethane	2.678	51	79332	0.533	ppbv	98
4) Chloromethane	2.813	50	33079	0.561	ppbv	99
5) Vinyl Chloride	2.915	62	31120m	0.502	ppbv	
6) Bromomethane	3.118	94	13059	0.499	ppbv	97
7) Chloroethane	3.192	64	12021	0.553	ppbv	92
8) Dichlorotetrafluoroethane	2.858	85	79628	0.515	ppbv	95
9) Propene	2.690	41	24266	0.476	ppbv	97
10) Heptane	7.578	43	49918	0.443	ppbv	98
11) Trichlorofluoromethane	3.562	101	80564	0.531	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	55172	0.516	ppbv	99
13) Ethanol	3.253	45	5074m	0.457	ppbv	
14) Bromoethene	3.359	108	22795m	0.496	ppbv	
15) Acetone	3.481	43	61583	0.569	ppbv	94
16) 1,3-Butadiene	2.983	39	27530	0.504	ppbv	96
17) tert-Butyl alcohol	3.890	59	52166	0.466	ppbv	99
18) 1,1-Dichloroethene	3.880	96	25321	0.516	ppbv	90
19) Isopropyl Alcohol	3.591	45	28447	0.458	ppbv #	88
20) Methylene Chloride	3.931	84	26496	0.576	ppbv #	88
21) Allyl Chloride	3.999	41	30148	0.488	ppbv	93
22) trans-1,2-Dichloroethene	4.443	96	23222	0.479	ppbv	90
23) Vinyl Acetate	4.629	43	49685	0.482	ppbv #	97
24) 1,1-Dichloroethane	4.558	63	53816	0.514	ppbv	99
25) Ethyl Acetate	5.208	43	100175	0.486	ppbv	97
26) Hexane	5.208	57	46965	0.491	ppbv	90
27) Carbon Disulfide	4.121	76	42420	0.377	ppbv #	83
28) Methyl tert-Butyl Ether	4.597	73	37956	0.493	ppbv	94
29) Chloroform	5.272	83	83340	0.525	ppbv	97
30) Cyclohexane	6.594	84	40994m	0.515	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	42850	0.453	ppbv	93
32) 1,1,1-Trichloroethane	5.999	97	73747	0.475	ppbv	96
34) 2-Butanone	4.800	43	59131	0.473	ppbv	98
35) Carbon Tetrachloride	6.494	117	71812	0.472	ppbv	92
36) Benzene	6.369	78	95992	0.472	ppbv	99
37) 1,2-Dichloroethane	5.803	62	55893	0.467	ppbv #	96
38) Trichloroethene	7.288	130	37919m	0.493	ppbv	
39) 1,2-Dichloropropane	7.070	63	39271m	0.501	ppbv	
40) 1,4-Dioxane	7.324	88	10385m	0.424	ppbv	
41) Tetrahydrofuran	5.578	42	29849m	0.409	ppbv	
42) Bromodichloromethane	7.246	83	72716	0.437	ppbv #	89
43) Methyl Methacrylate	7.484	69	30177m	0.396	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	143256m	0.438	ppbv	
45) t-1,3-Dichloropropene	8.713	75	15760m	0.323	ppbv	

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Quant Time: Jul 16 23:34:36 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M

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

QLast Update : Mon Jul 10 16:32:00 2023

Response via : Initial Calibration

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	22826m	0.364	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	42520	0.492	ppbv #	86
48) Dibromochloromethane	9.706	129	51412	0.385	ppbv	97
49) Bromoform	12.404	173	37099m	0.350	ppbv	
50) 4-Methyl-2-Pentanone	8.201	43	71168	0.392	ppbv	91
51) 2-Hexanone	9.571	43	41426m	0.323	ppbv	
52) Tetrachloroethene	10.613	164	30541m	0.463	ppbv	
53) Toluene	9.224	91	80905	0.366	ppbv	98
54) 1,2-Dibromoethane	10.005	107	47969	0.447	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.504	131	49736m	0.502	ppbv	
57) Chlorobenzene	11.523	112	90198	0.523	ppbv	91
58) Ethyl Benzene	12.092	91	103391m	0.372	ppbv	
59) m/p-Xylene	12.365	91	210912m	0.851	ppbv	
60) o-Xylene	13.053	91	95464	0.404	ppbv	97
61) Styrene	12.896	104	32908m	0.302	ppbv	
62) Isopropylbenzene	14.028	105	162186	0.458	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.044	83	84905	0.513	ppbv	96
64) n-propylbenzene	14.915	120	40036	0.437	ppbv	80
65) tert-Butylbenzene	16.089	119	137990	0.440	ppbv	93
66) Benzyl Chloride	16.333	91	9494m	0.428	ppbv	
67) sec-Butylbenzene	16.635	105	209640	0.455	ppbv	98
69) p-Isopropyltoluene	16.989	119	161660m	0.425	ppbv	
70) n-Butylbenzene	17.889	91	176610	0.416	ppbv	97
71) 2-Chlorotoluene	14.796	91	115657m	0.424	ppbv	
72) 4-Ethyltoluene	15.191	105	103178	0.373	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.349	105	106228m	0.435	ppbv	
74) 1,2,4-Trimethylbenzene	16.108	105	131373	0.462	ppbv	89
75) 1,3-Dichlorobenzene	16.326	146	82993m	0.481	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	88677m	0.524	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	82608	0.501	ppbv	97
78) Hexachloro-1,3-Butadiene	22.625	225	78713m	0.508	ppbv	
79) Naphthalene	21.391	128	83964m	0.349	ppbv	
80) Naphthalene,2-methyl-	24.368	142	12522m	0.126	ppbv	
81) 1,2,4-Trichlorobenzene	21.140	180	63769m	0.384	ppbv	

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

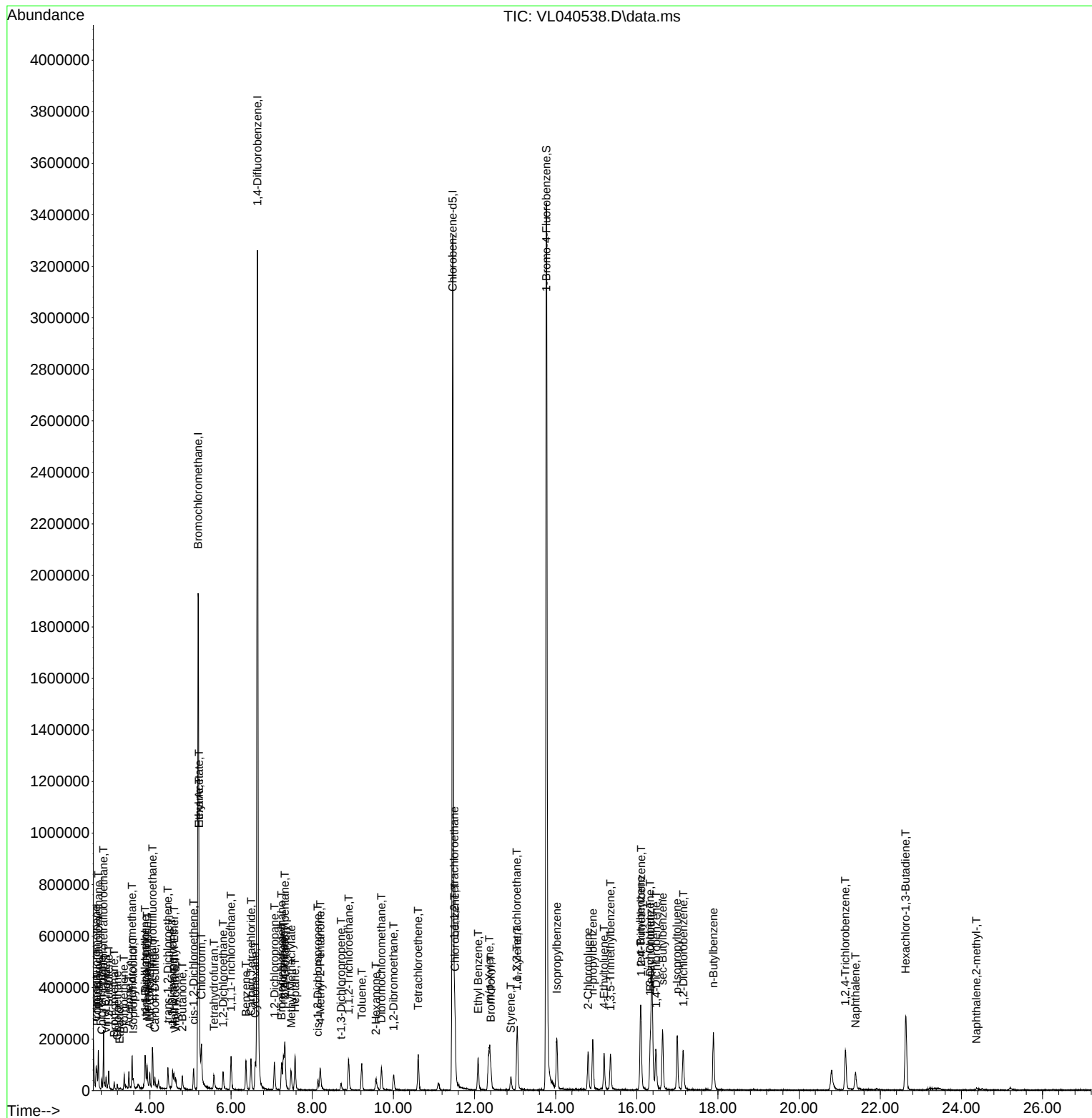
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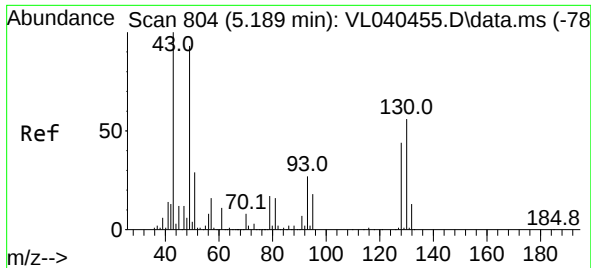
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

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QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

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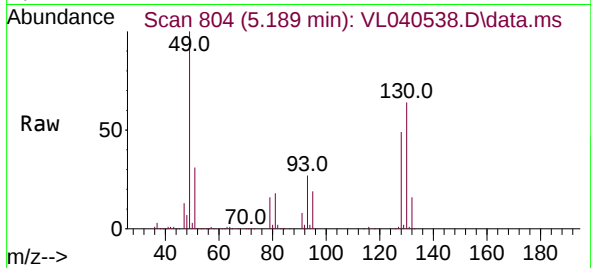
Reviewed By : Semsettin Yesilyurt 07/17/2023
Supervised By : Mahesh Dadoda 07/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

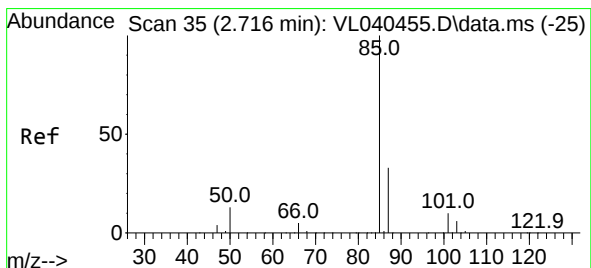
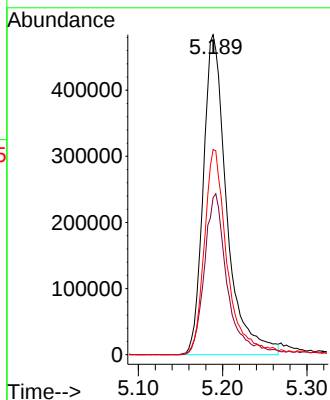
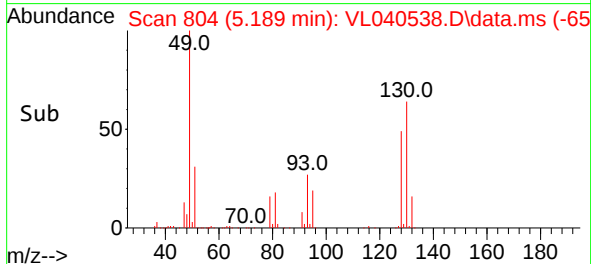
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



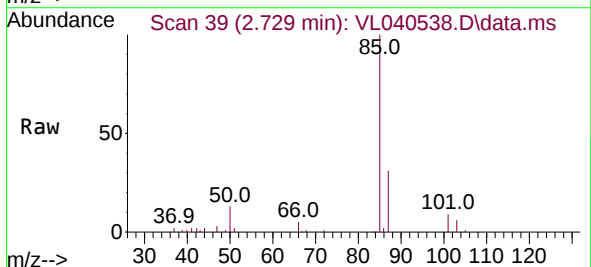
Tgt Ion: 49 Resp: 939740
Ion Ratio Lower Upper
49 100
128 49.5 25.1 75.4
130 64.5 31.6 94.7

Manual Integrations
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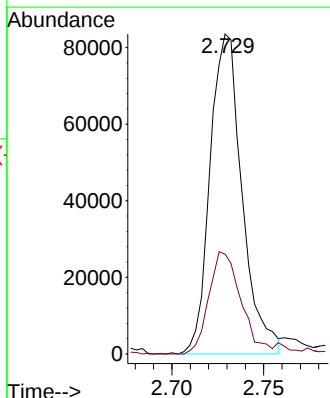
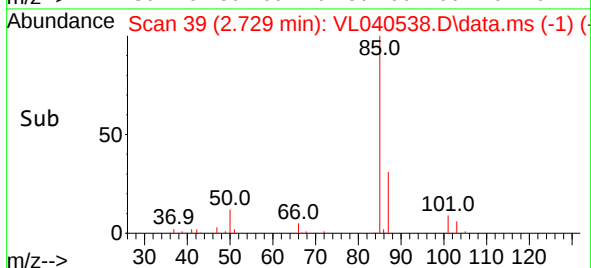
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

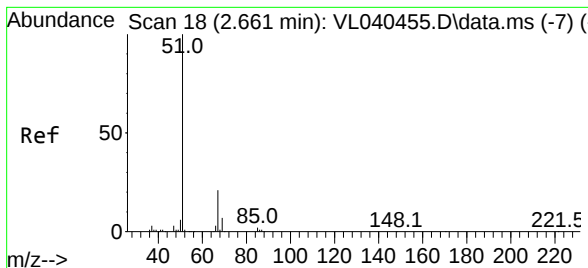


#2
Dichlorodifluoromethane
Concen: 0.539 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



Tgt Ion: 85 Resp: 101334
Ion Ratio Lower Upper
85 100
87 31.2 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.533 ppbv

RT: 2.678 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 51 Resp: 7933

Ion Ratio Lower Upper

51 100

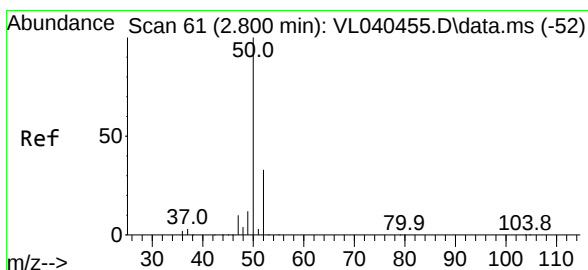
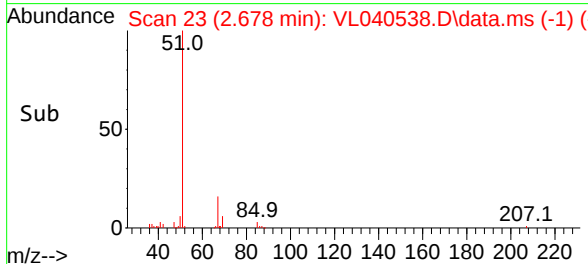
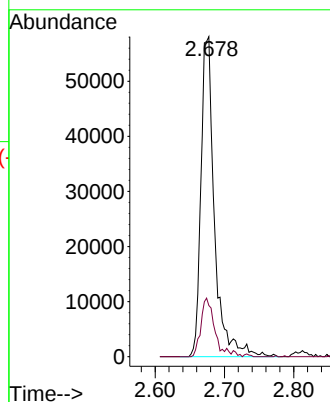
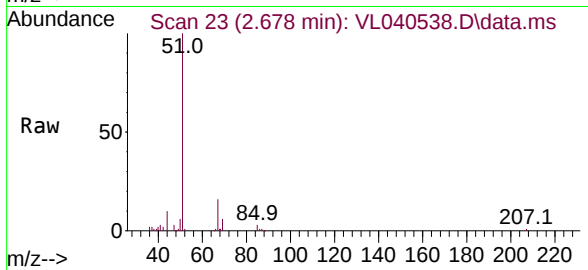
67 19.1 14.6 21.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#4

Chloromethane

Concen: 0.561 ppbv

RT: 2.813 min Scan# 65

Delta R.T. -0.010 min

Lab File: VL040538.D

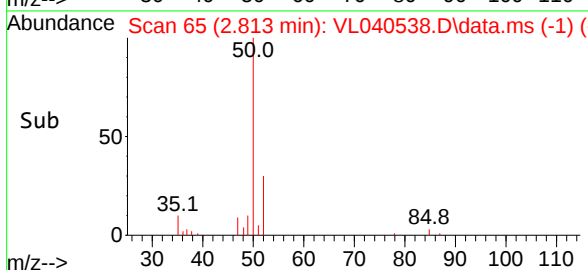
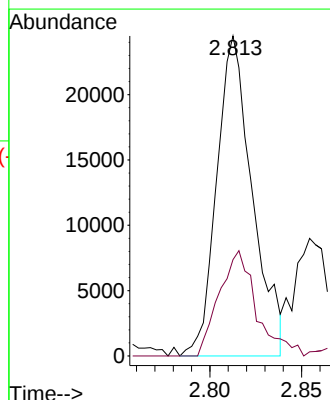
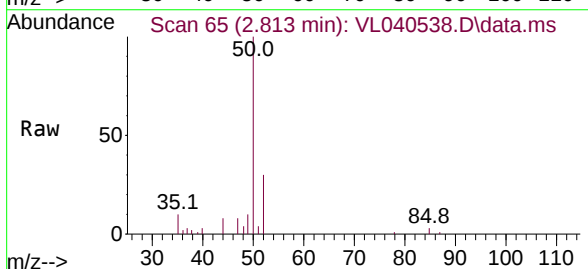
Acq: 14 Jul 2023 22:40

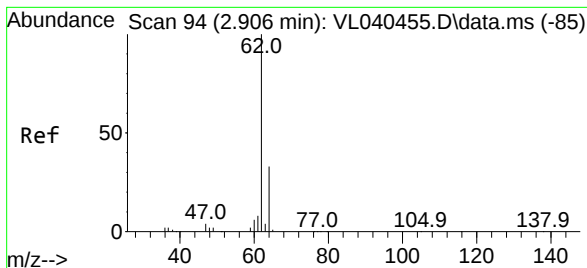
Tgt Ion: 50 Resp: 33079

Ion Ratio Lower Upper

50 100

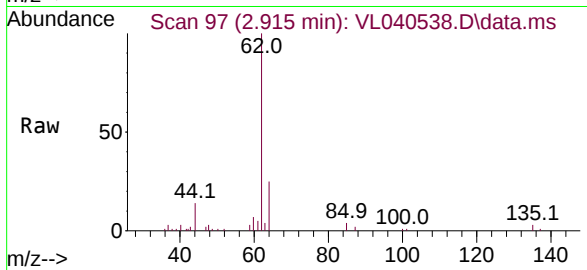
52 30.1 24.4 36.6





#5
 Vinyl Chloride
 Concen: 0.502 ppbv m
 RT: 2.915 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

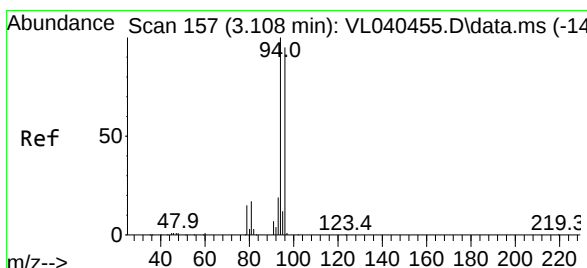
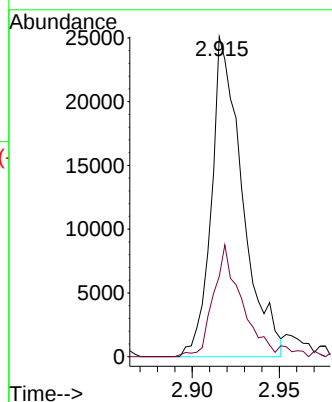
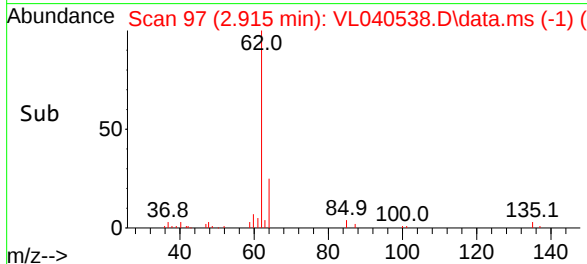
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



Tgt Ion: 62 Resp: 31120
 Ion Ratio Lower Upper
 62 100
 64 25.1 26.4 39.6

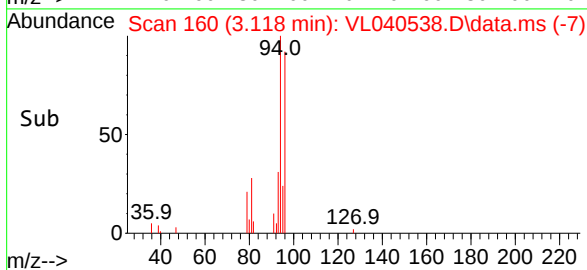
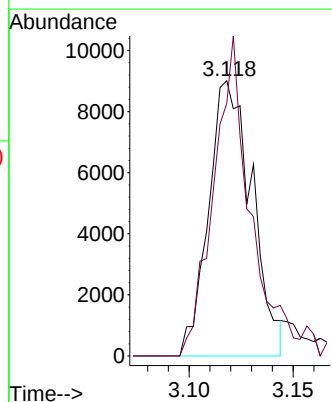
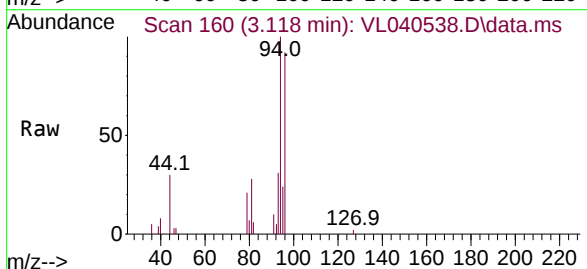
Manual Integrations
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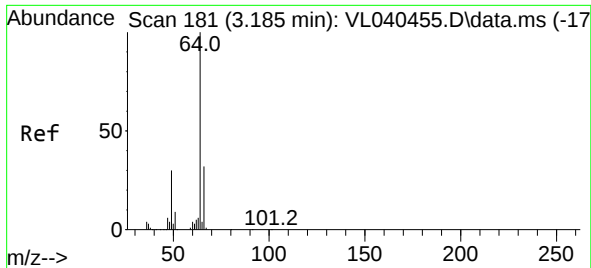
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#6
 Bromomethane
 Concen: 0.499 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. -0.010 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

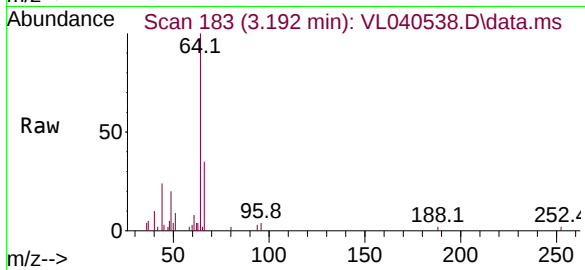
Tgt Ion: 94 Resp: 13059
 Ion Ratio Lower Upper
 94 100
 96 91.8 75.7 113.5





#7
Chloroethane
Concen: 0.553 ppbv
RT: 3.192 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

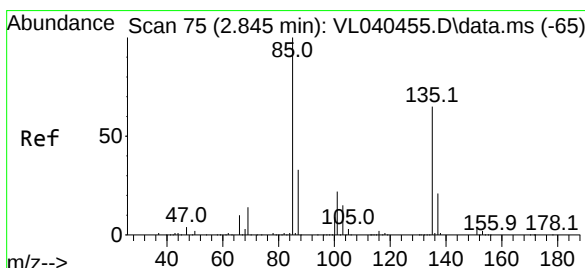
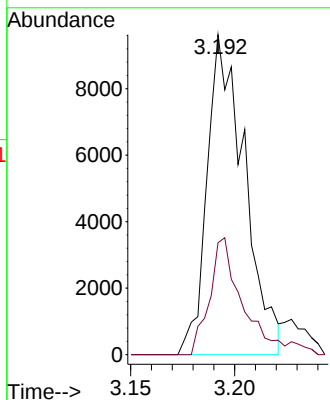
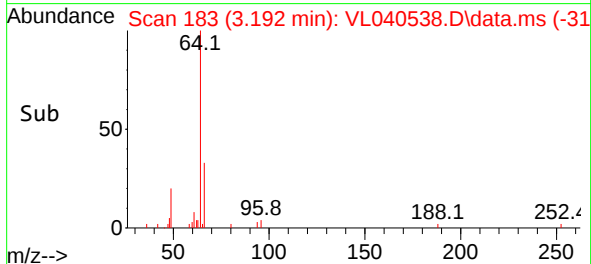
Instrument :
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LOQ-AIR-02-QT3-2023



Tgt Ion: 64 Resp: 1202
Ion Ratio Lower Upper
64 100
66 35.0 24.4 36.6

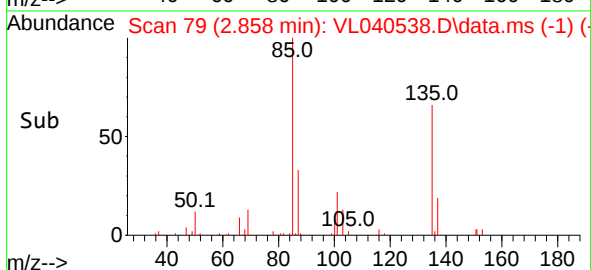
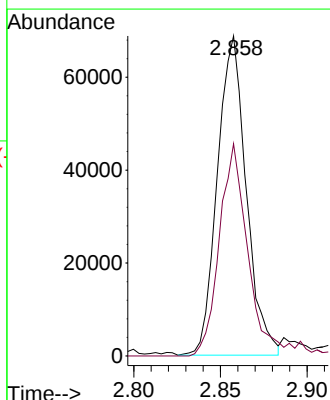
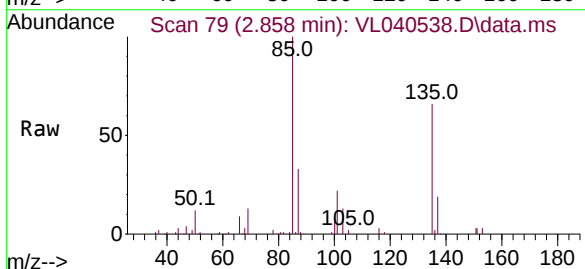
Manual Integrations
APPROVED

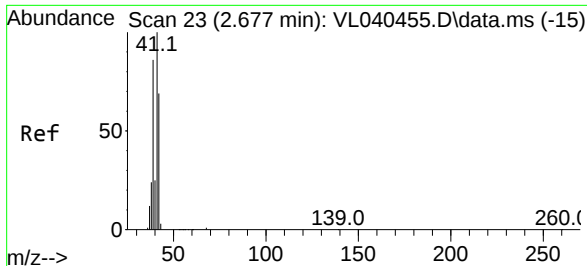
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#8
Dichlorotetrafluoroethane
Concen: 0.515 ppbv
RT: 2.858 min Scan# 79
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

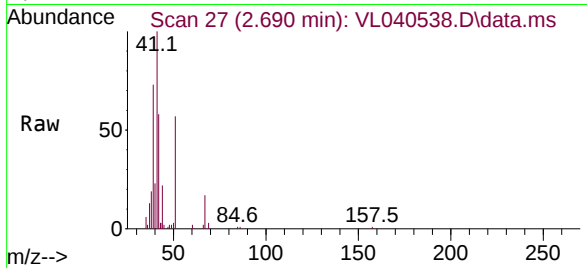
Tgt Ion: 85 Resp: 79628
Ion Ratio Lower Upper
85 100
135 69.4 52.4 78.6





#9
 Propene
 Concen: 0.476 ppbv
 RT: 2.690 min Scan# 21
 Delta R.T. -0.013 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

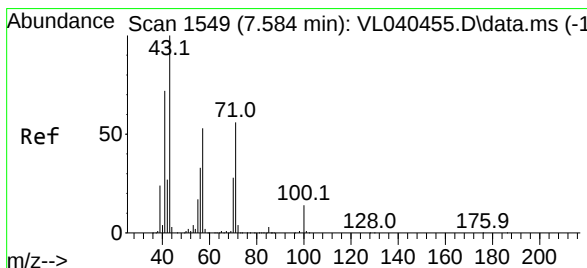
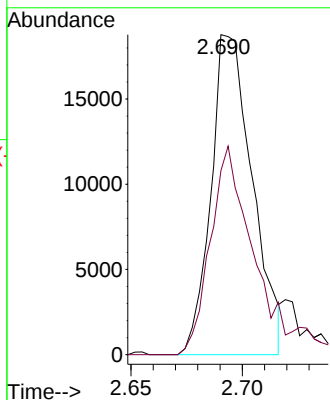
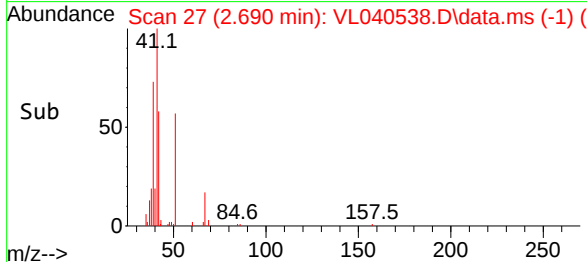
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Tgt Ion: 41 Resp: 24260
 Ion Ratio Lower Upper
 41 100
 42 71.5 55.0 82.6

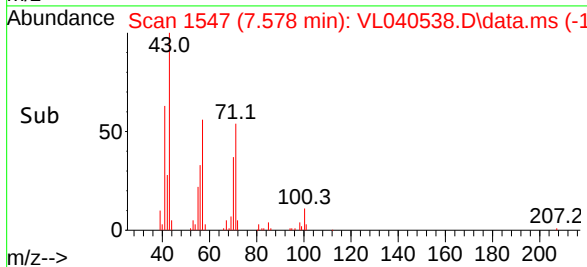
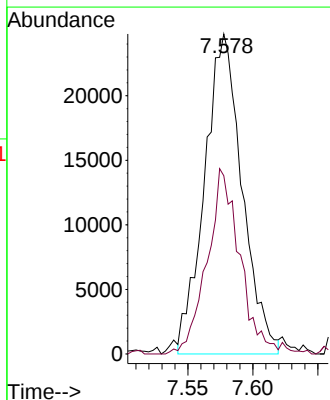
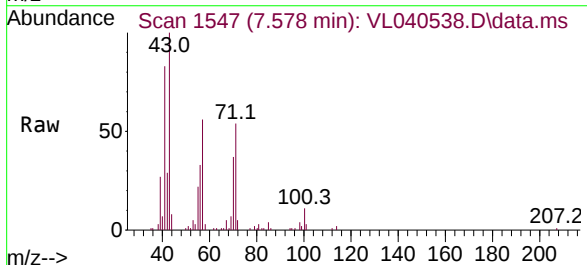
Manual Integrations
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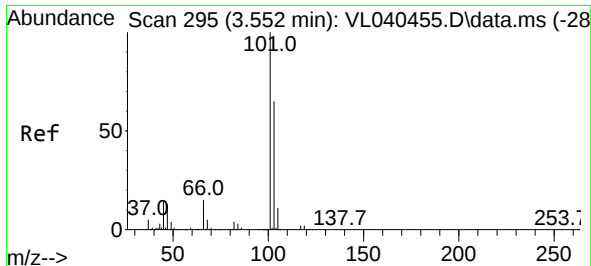
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#10
 Heptane
 Concen: 0.443 ppbv
 RT: 7.578 min Scan# 1547
 Delta R.T. -0.013 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

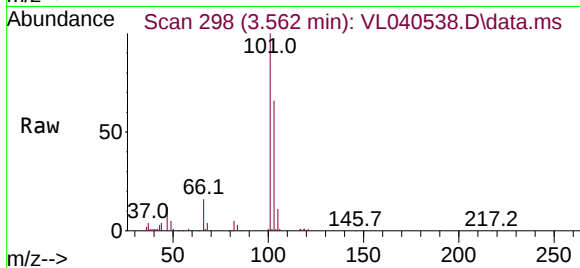
Tgt Ion: 43 Resp: 49918
 Ion Ratio Lower Upper
 43 100
 57 52.0 42.5 63.7





#11
 Trichlorofluoromethane
 Concen: 0.531 ppbv
 RT: 3.562 min Scan# 295
 Delta R.T. -0.010 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

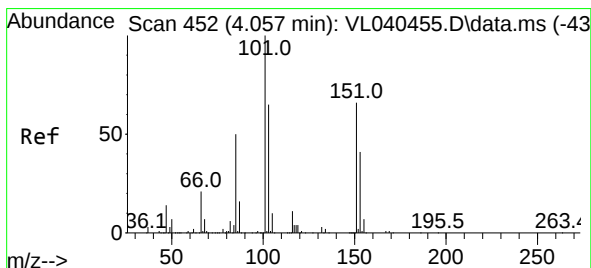
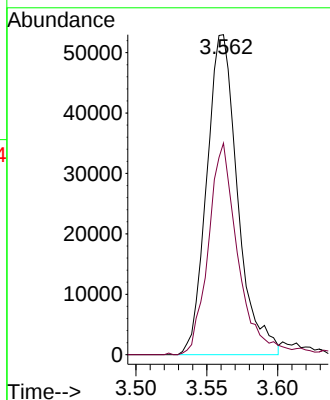
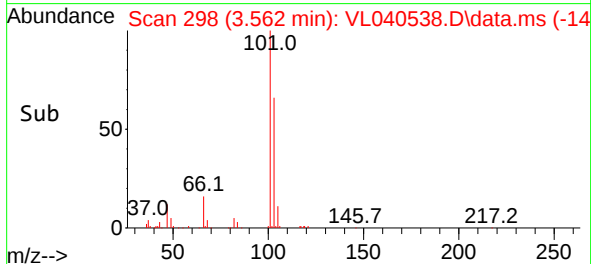
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



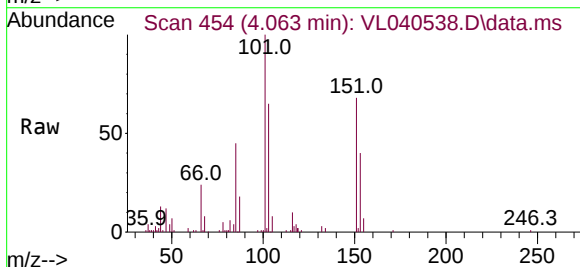
Tgt Ion:101 Resp: 80564
 Ion Ratio Lower Upper
 101 100
 103 66.1 53.4 80.0

Manual Integrations
 APPROVED

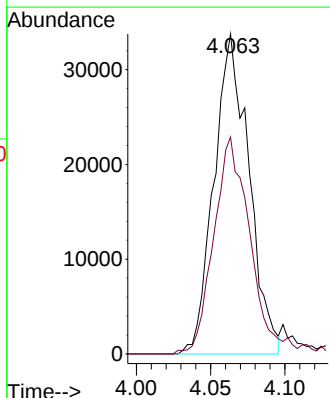
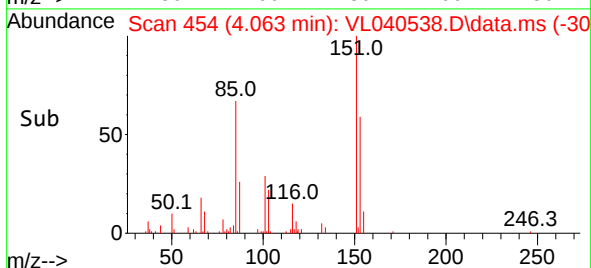
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023

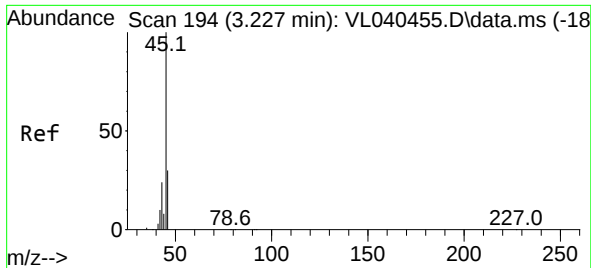


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.516 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.010 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40



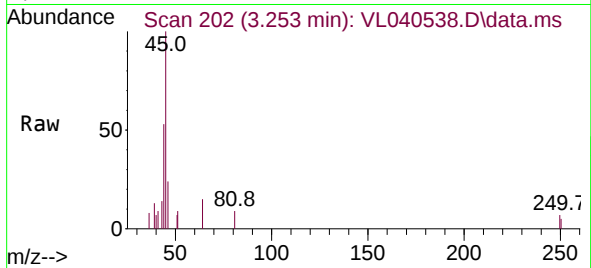
Tgt Ion:101 Resp: 55172
 Ion Ratio Lower Upper
 101 100
 151 71.9 58.2 87.4





#13
Ethanol
Concen: 0.457 ppbv m
RT: 3.253 min Scan# 202
Delta R.T. 0.006 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

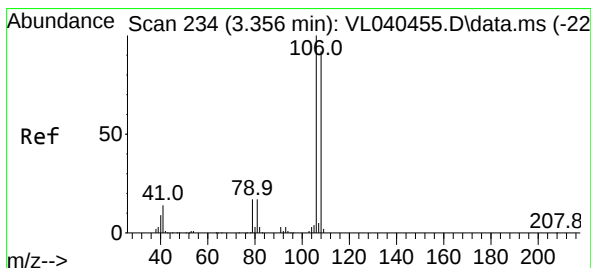
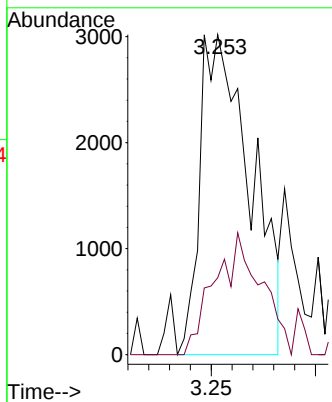
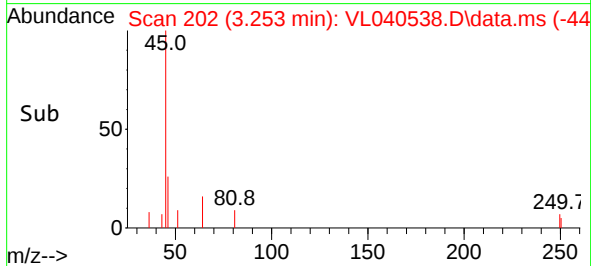
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



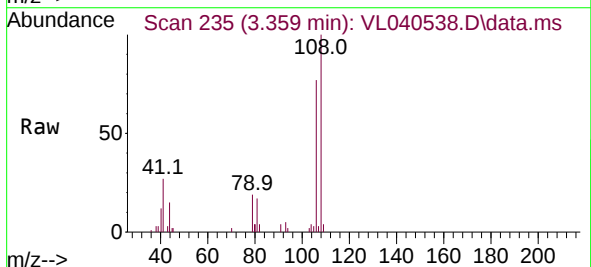
Tgt Ion: 45 Resp: 5074
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1

Manual Integrations
APPROVED

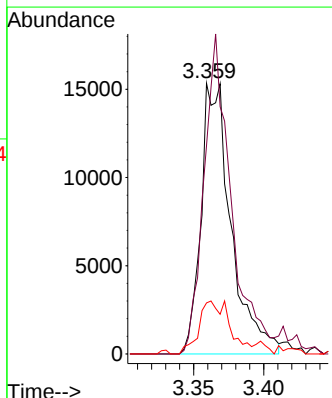
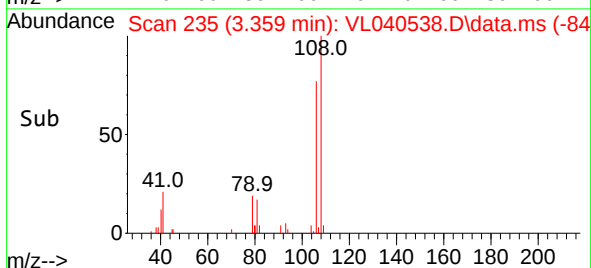
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

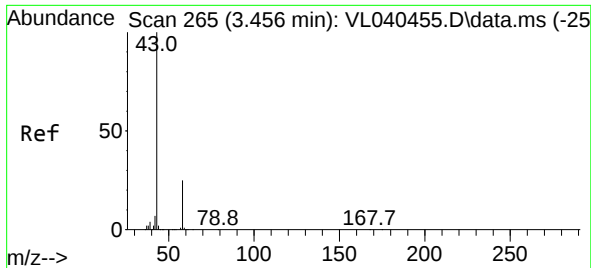


#14
Bromoethene
Concen: 0.496 ppbv m
RT: 3.359 min Scan# 235
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



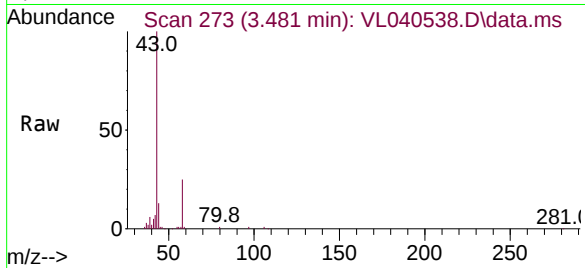
Tgt Ion:108 Resp: 22795
Ion Ratio Lower Upper
108 100
106 115.0 87.2 130.8
79 24.4 15.3 22.9





#15
Acetone
Concen: 0.569 ppbv
RT: 3.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

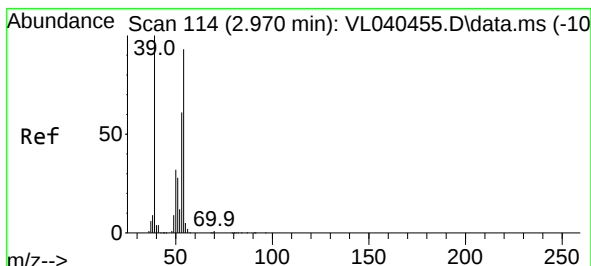
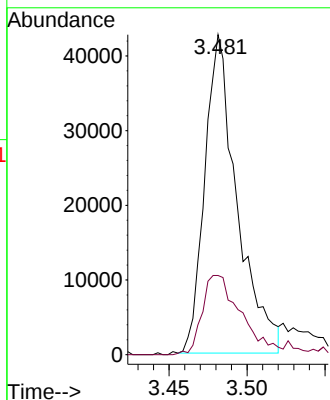
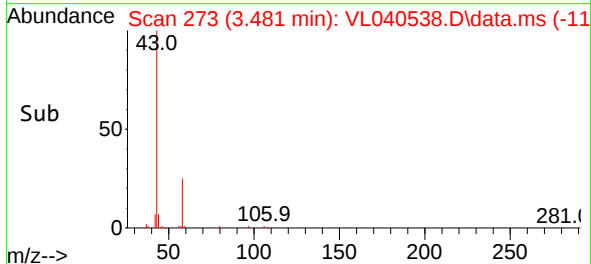
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



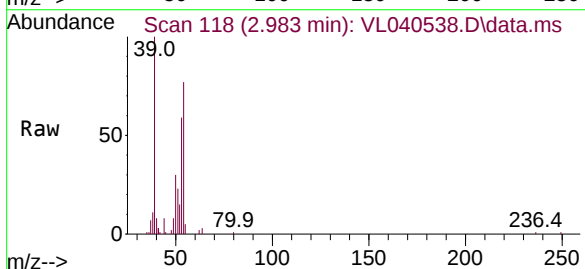
Tgt Ion: 43 Resp: 6158
Ion Ratio Lower Upper
43 100
58 31.6 22.9 34.3

Manual Integrations
APPROVED

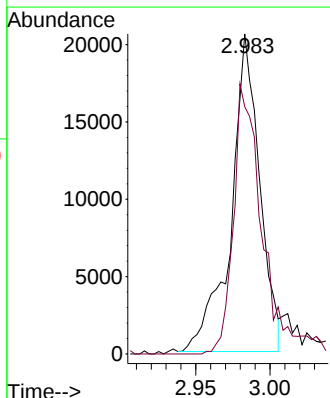
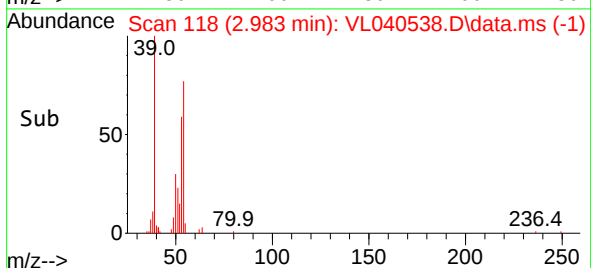
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

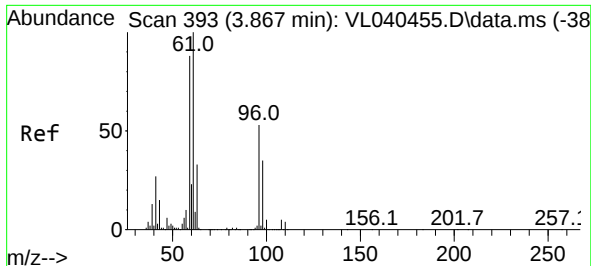


#16
1,3-Butadiene
Concen: 0.504 ppbv
RT: 2.983 min Scan# 118
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



Tgt Ion: 39 Resp: 27530
Ion Ratio Lower Upper
39 100
54 86.5 66.6 100.0





#17

tert-Butyl alcohol

Concen: 0.466 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.006 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion: 59 Resp: 5216

Ion Ratio Lower Upper

59 100

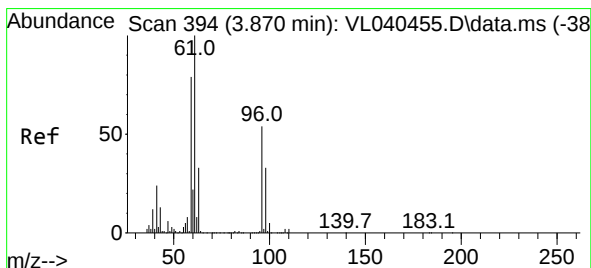
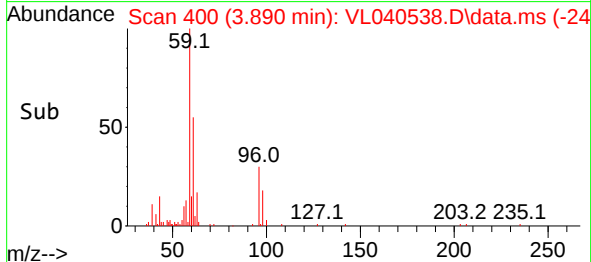
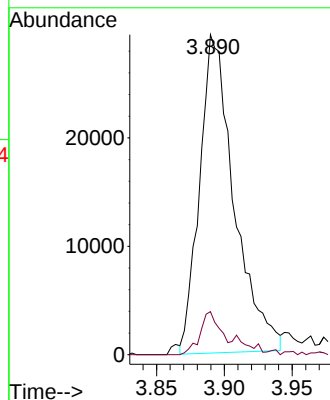
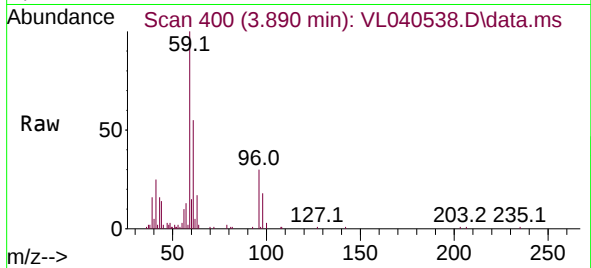
57 11.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#18

1,1-Dichloroethene

Concen: 0.516 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.010 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

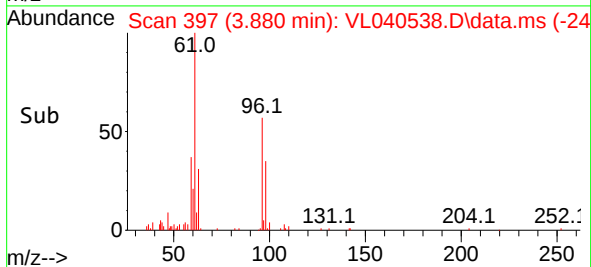
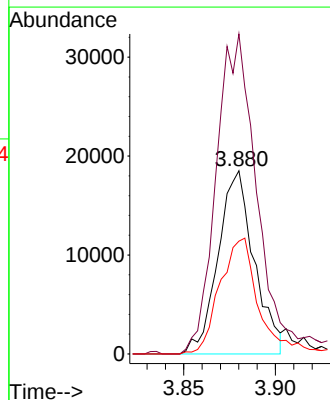
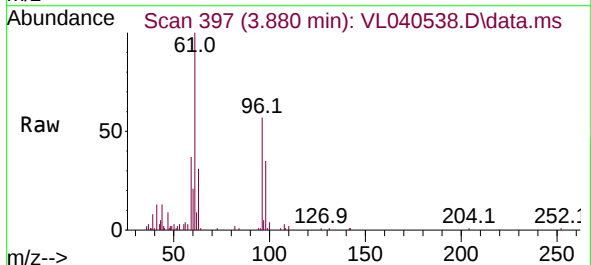
Tgt Ion: 96 Resp: 25321

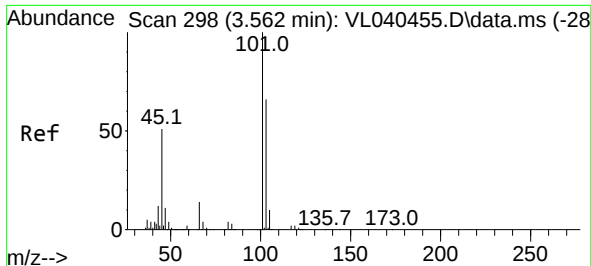
Ion Ratio Lower Upper

96 100

61 174.6 154.4 231.6

98 61.6 50.0 75.0





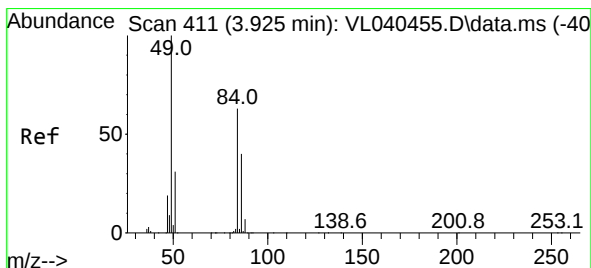
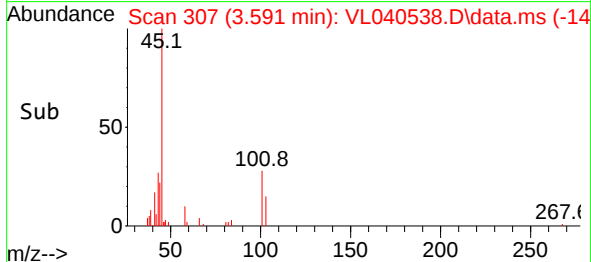
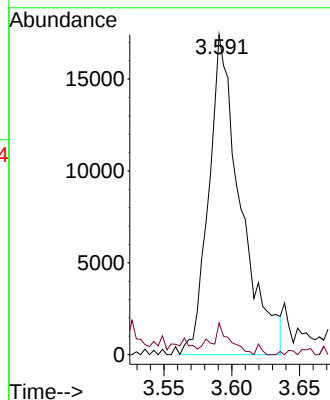
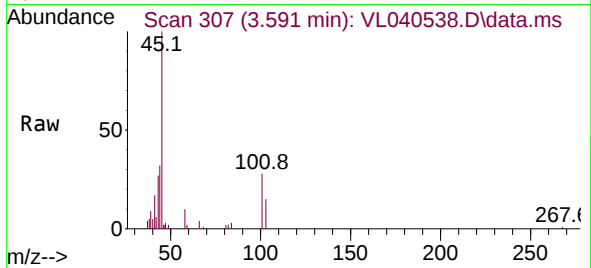
#19
Isopropyl Alcohol
Concen: 0.458 ppbv
RT: 3.591 min Scan# 307
Delta R.T. 0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 45 Resp: 2844
Ion Ratio Lower Upper
45 100
58 6.1 1.1 1.7

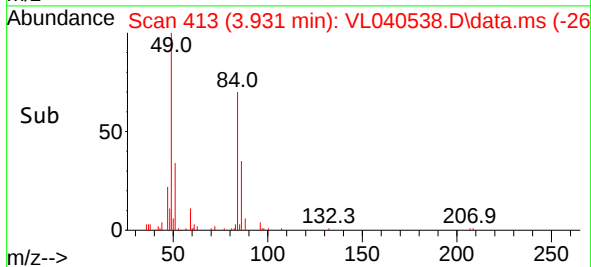
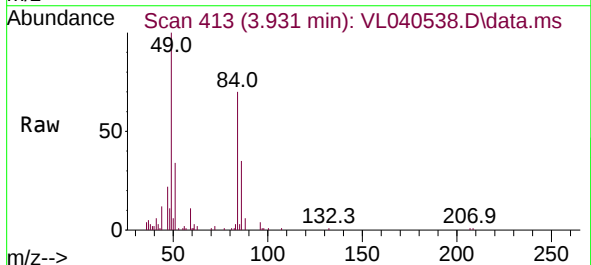
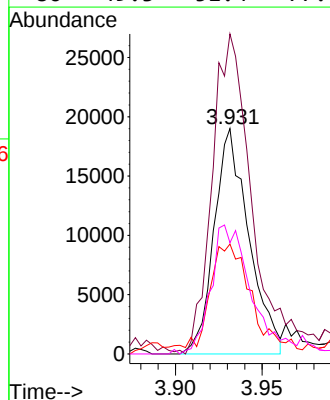
Manual Integrations
APPROVED

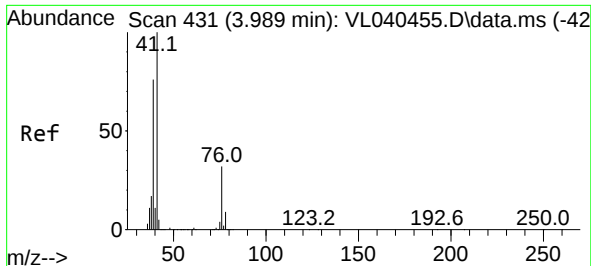
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#20
Methylene Chloride
Concen: 0.576 ppbv
RT: 3.931 min Scan# 413
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 84 Resp: 26496
Ion Ratio Lower Upper
84 100
49 140.2 123.4 185.2
51 44.9 38.3 57.5
86 49.3 51.4 77.0





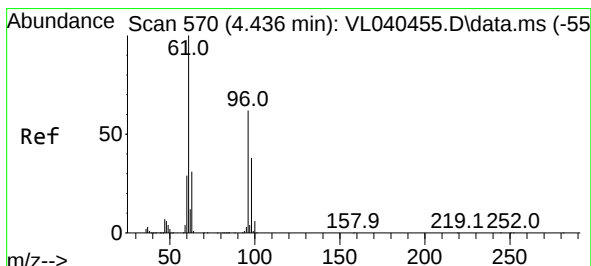
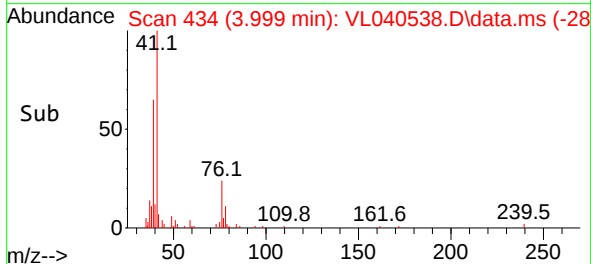
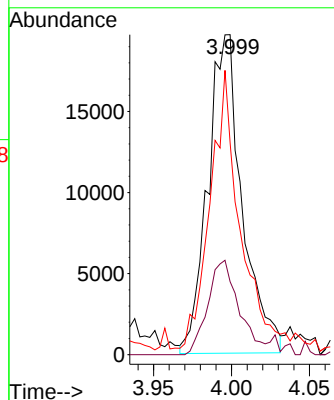
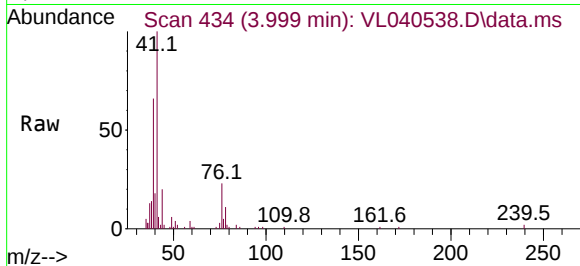
#21
 Allyl Chloride
 Concen: 0.488 ppbv
 RT: 3.999 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023

Tgt Ion: 41 Resp: 3014
 Ion Ratio Lower Upper
 41 100
 76 29.9 24.8 37.2
 39 84.1 60.6 91.0

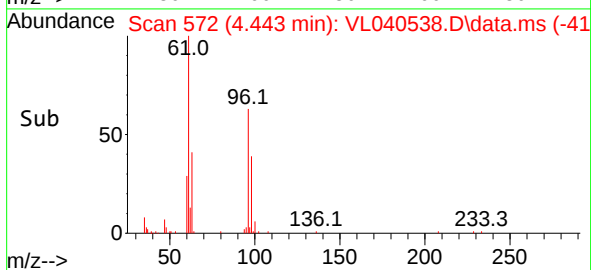
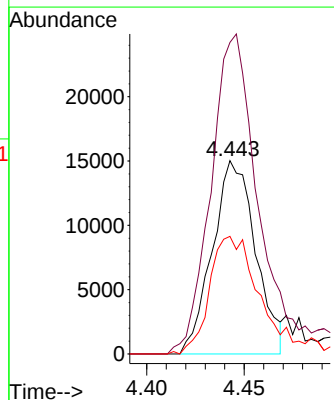
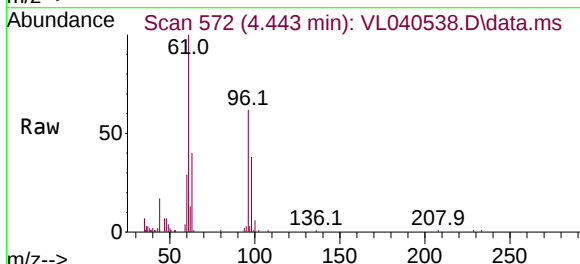
Manual Integrations
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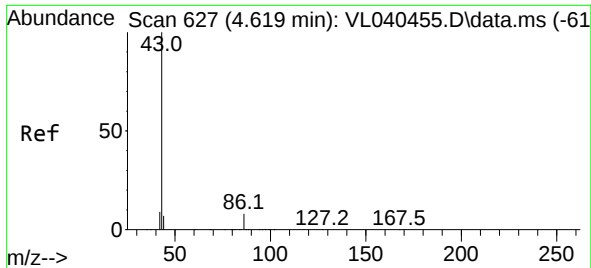
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.479 ppbv
 RT: 4.443 min Scan# 572
 Delta R.T. -0.010 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

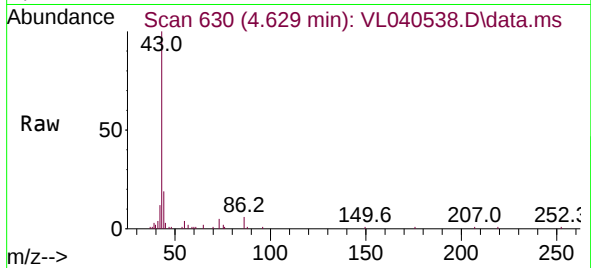
Tgt Ion: 96 Resp: 23222
 Ion Ratio Lower Upper
 96 100
 61 155.8 137.7 206.5
 98 60.8 52.9 79.3





#23
 Vinyl Acetate
 Concen: 0.482 ppbv
 RT: 4.629 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

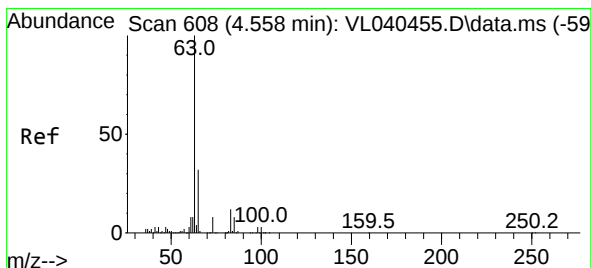
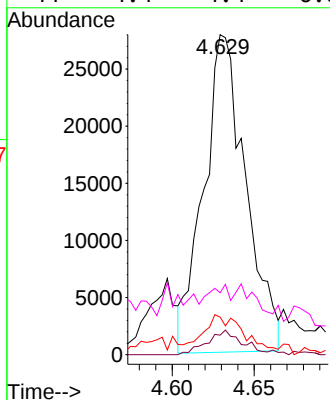
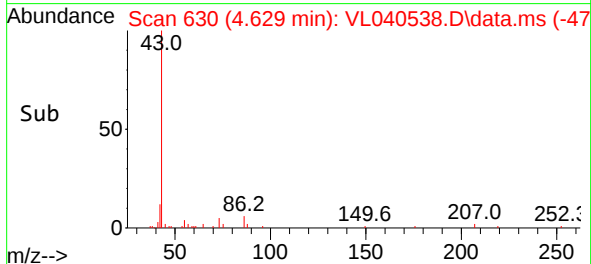
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



Tgt Ion: 43 Resp: 4968
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.6 8.4
 42 11.3 7.4 11.2
 44 4.4 4.4 6.6

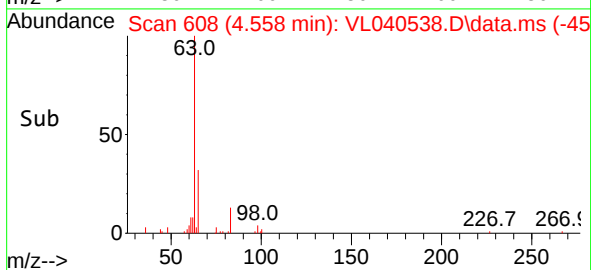
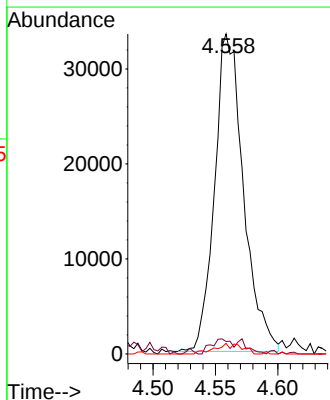
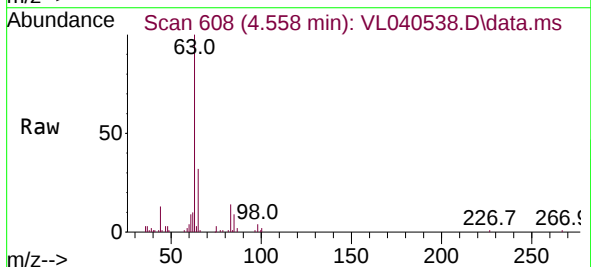
Manual Integrations
 APPROVED

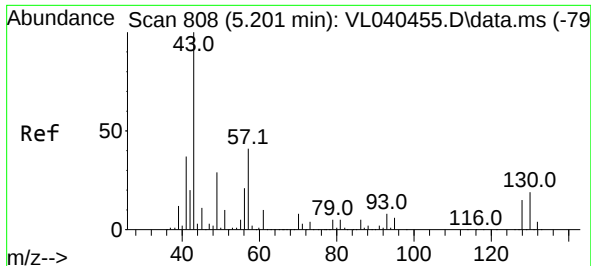
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#24
 1,1-Dichloroethane
 Concen: 0.514 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.013 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

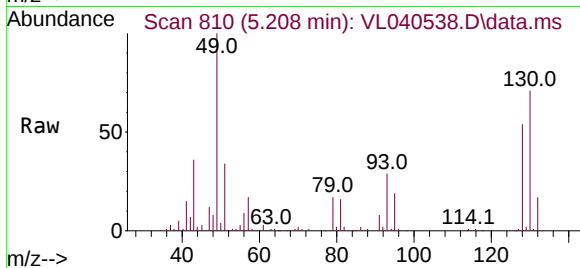
Tgt Ion: 63 Resp: 53816
 Ion Ratio Lower Upper
 63 100
 98 3.9 1.8 5.5
 100 3.3 1.4 4.0





#25
Ethyl Acetate
Concen: 0.486 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.003 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

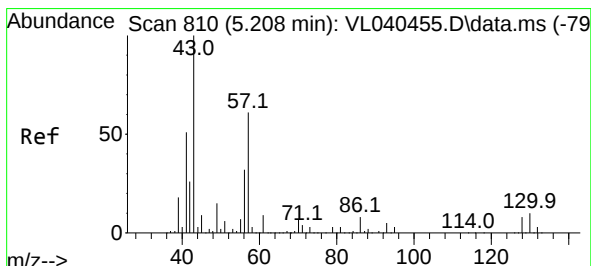
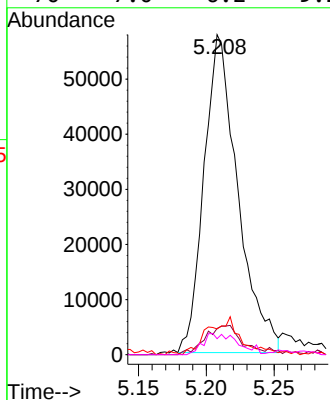
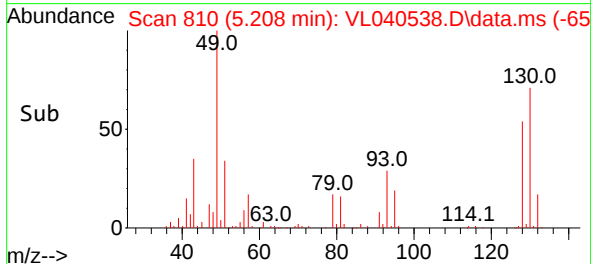
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 43 Resp: 100175
Ion Ratio Lower Upper
43 100
45 11.3 8.2 12.4
61 12.1 8.3 12.5
70 7.0 6.2 9.2

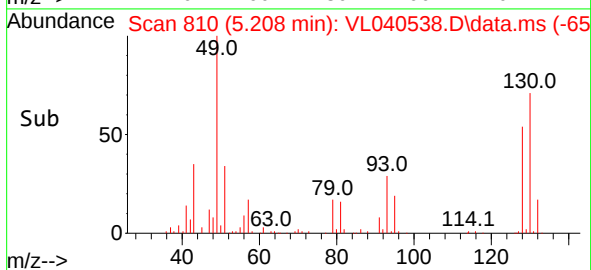
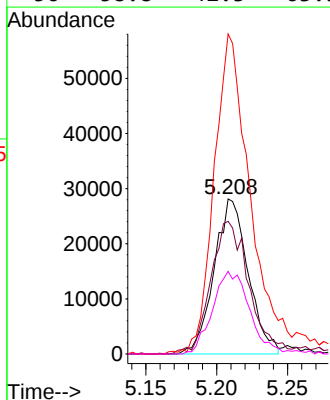
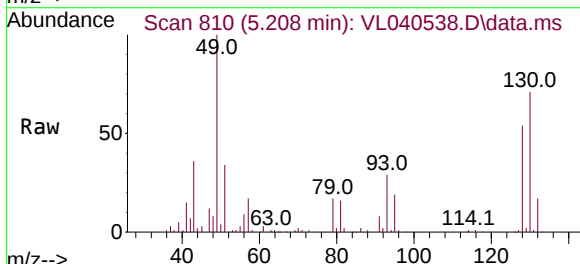
Manual Integrations
APPROVED

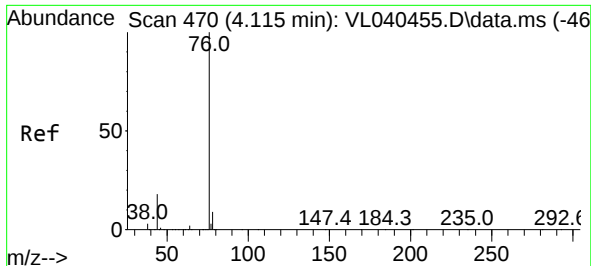
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#26
Hexane
Concen: 0.491 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

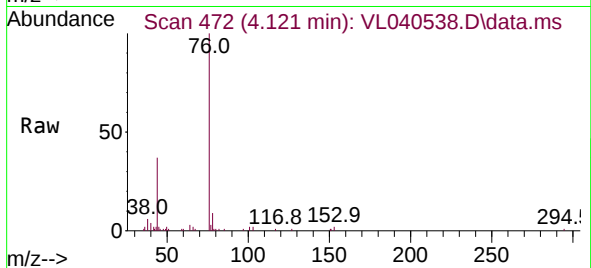
Tgt Ion: 57 Resp: 46965
Ion Ratio Lower Upper
57 100
41 100.7 69.5 104.3
43 234.4 177.1 265.7
56 58.8 42.3 63.5





#27
Carbon Disulfide
Concen: 0.377 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

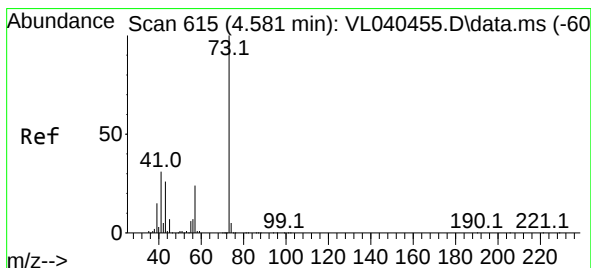
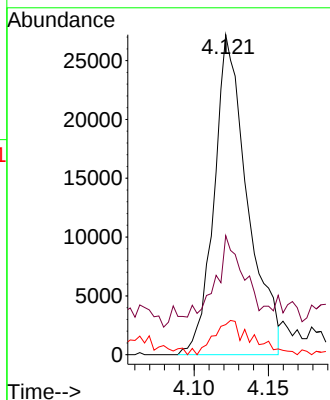
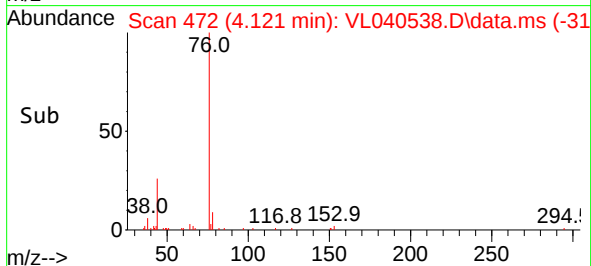
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



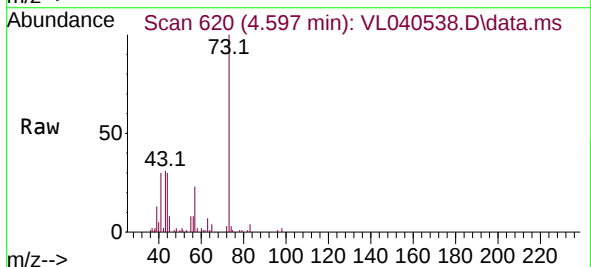
Tgt Ion: 76 Resp: 42420
Ion Ratio Lower Upper
76 100
44 28.5 15.1 22.7
78 12.8 7.5 11.3

Manual Integrations
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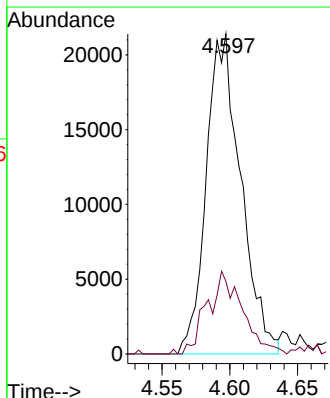
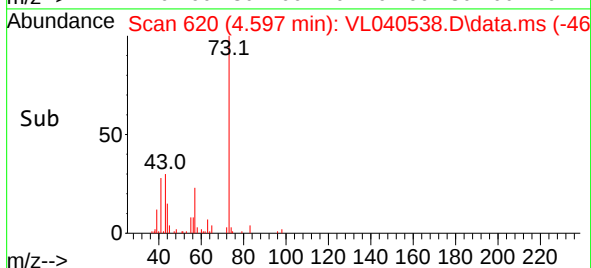
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

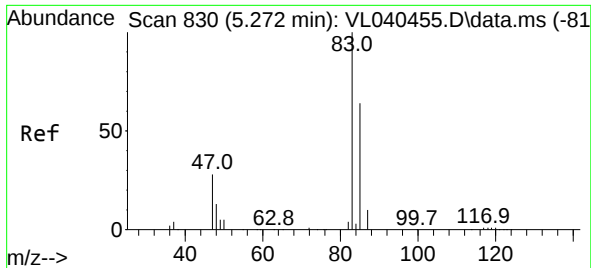


#28
Methyl tert-Butyl Ether
Concen: 0.493 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.003 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



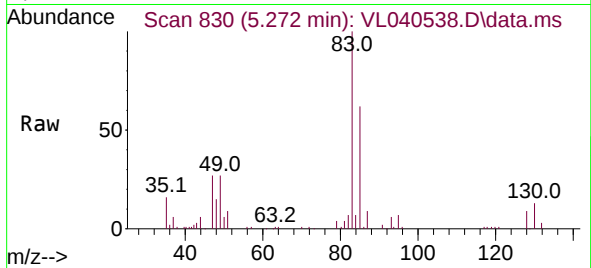
Tgt Ion: 73 Resp: 37956
Ion Ratio Lower Upper
73 100
57 26.3 18.8 28.2





#29
Chloroform
Concen: 0.525 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

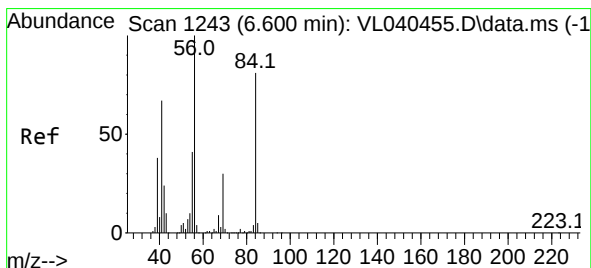
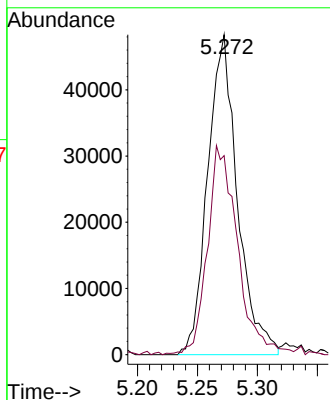
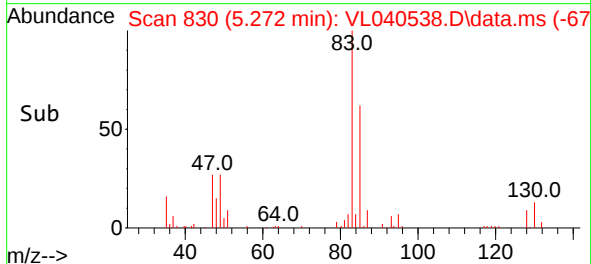
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 83 Resp: 83340
Ion Ratio Lower Upper
83 100
85 61.4 51.1 76.7

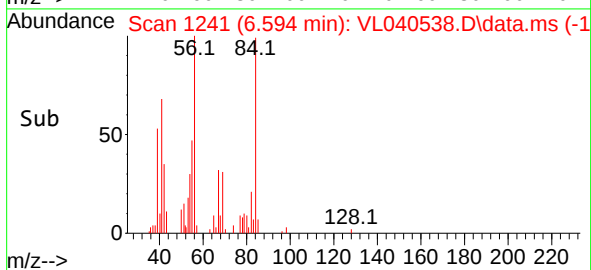
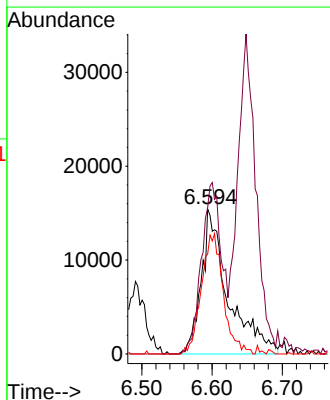
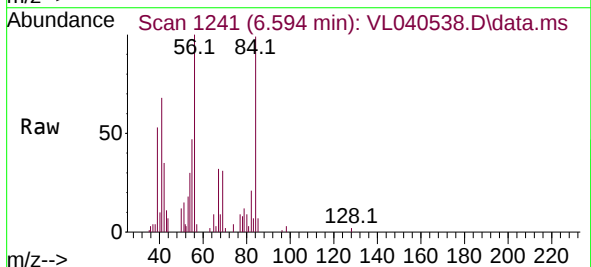
Manual Integrations
APPROVED

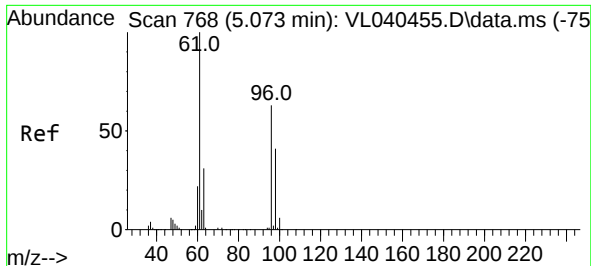
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#30
Cyclohexane
Concen: 0.515 ppbv m
RT: 6.594 min Scan# 1241
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

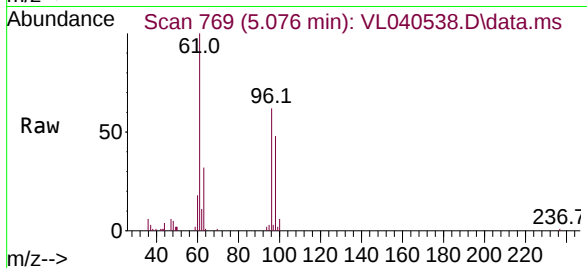
Tgt Ion: 84 Resp: 40994
Ion Ratio Lower Upper
84 100
56 0.0 108.7 163.1#
41 0.0 64.5 96.7#





#31
 cis-1,2-Dichloroethene
 Concen: 0.453 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. -0.010 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

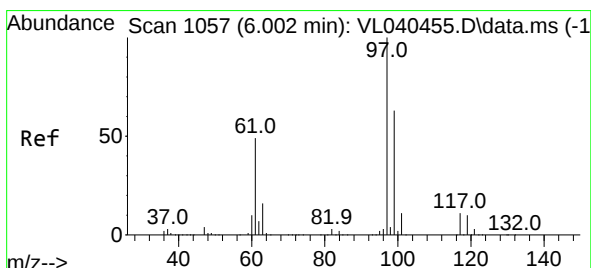
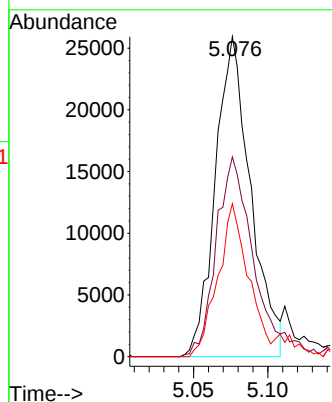
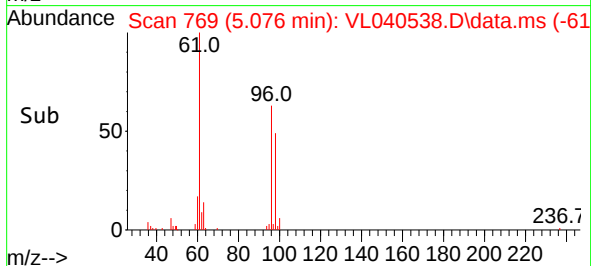
Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2023



Tgt Ion: 61 Resp: 42850
 Ion Ratio Lower Upper
 61 100
 96 62.4 54.7 82.1
 98 47.8 34.6 52.0

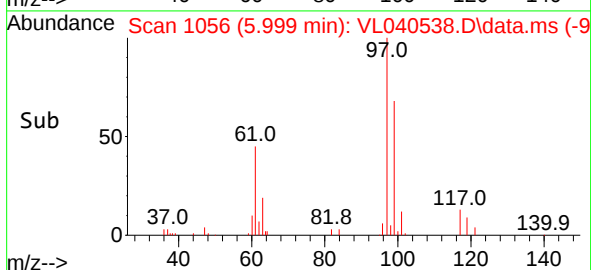
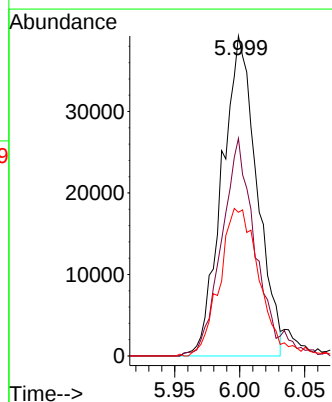
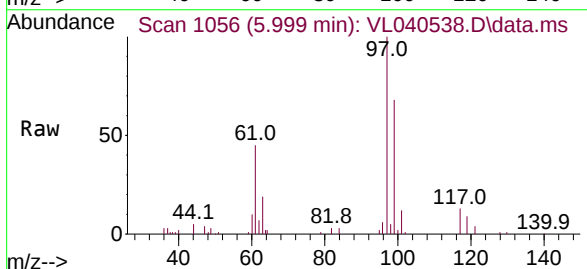
Manual Integrations
 APPROVED

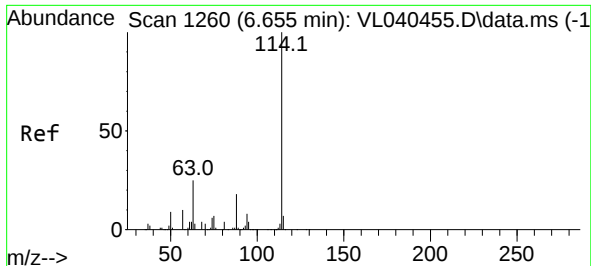
Reviewed By :Semsettin Yesilyurt 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.475 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.013 min
 Lab File: VL040538.D
 Acq: 14 Jul 2023 22:40

Tgt Ion: 97 Resp: 73747
 Ion Ratio Lower Upper
 97 100
 99 67.0 52.0 78.0
 61 53.3 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion:114 Resp: 252898

Ion Ratio Lower Upper

114 100

63 24.3 19.6 29.4

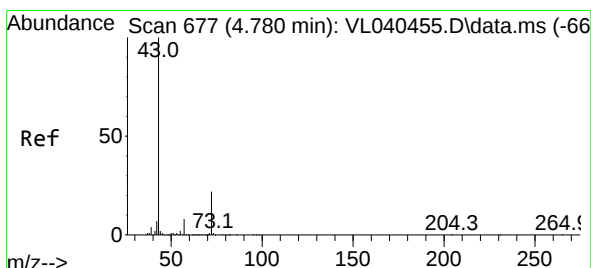
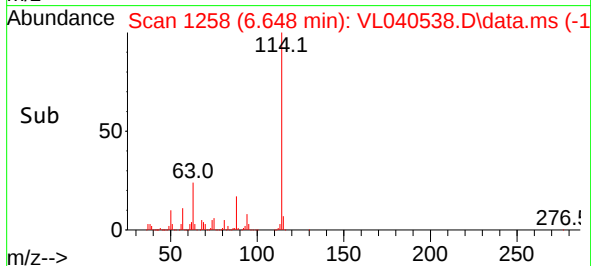
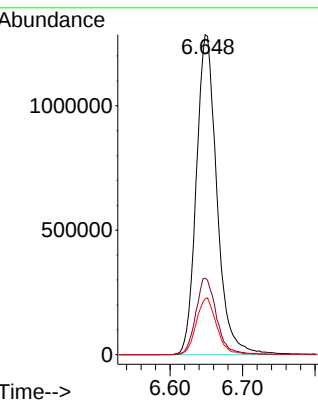
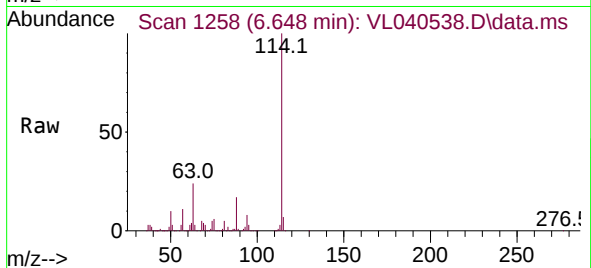
88 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#34

2-Butanone

Concen: 0.473 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.006 min

Lab File: VL040538.D

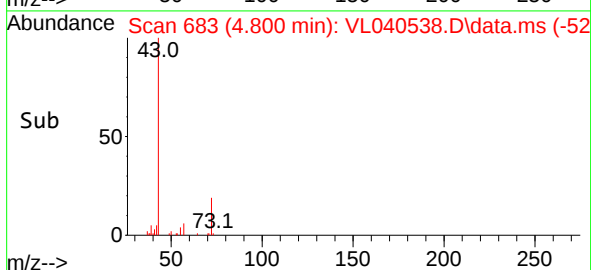
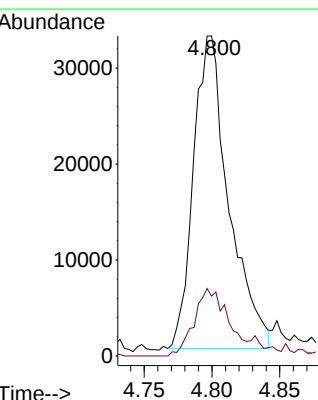
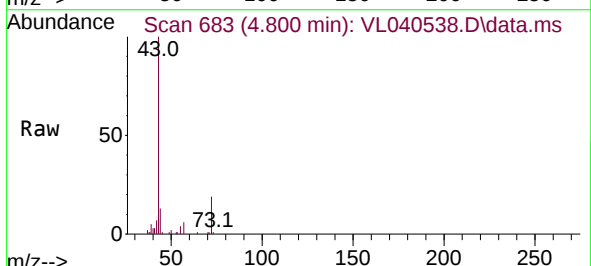
Acq: 14 Jul 2023 22:40

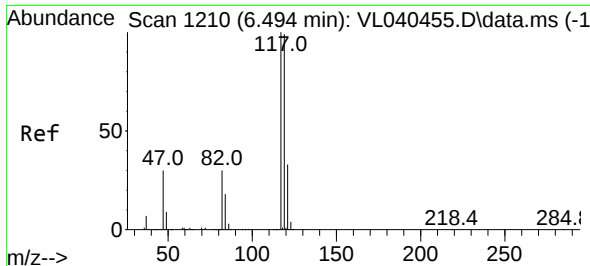
Tgt Ion: 43 Resp: 59131

Ion Ratio Lower Upper

43 100

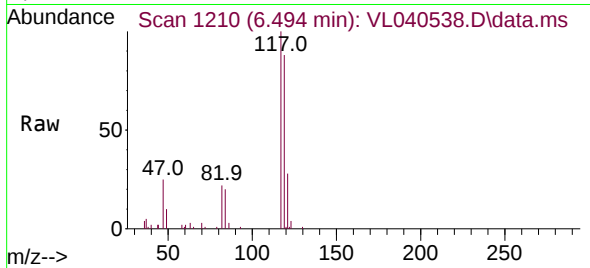
72 25.1 19.1 28.7





#35
Carbon Tetrachloride
Concen: 0.472 ppbv
RT: 6.494 min Scan# 1171
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

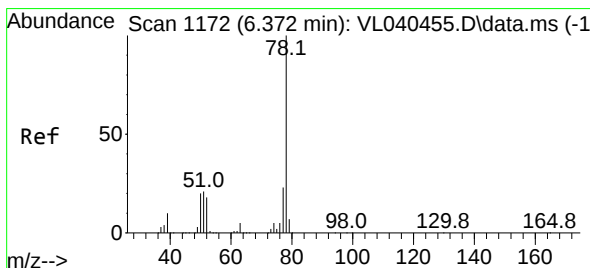
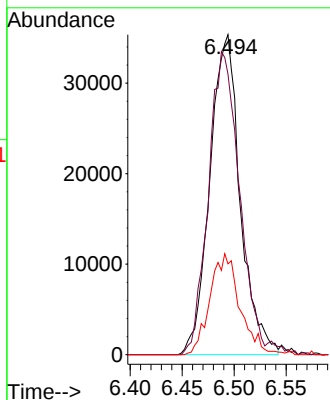
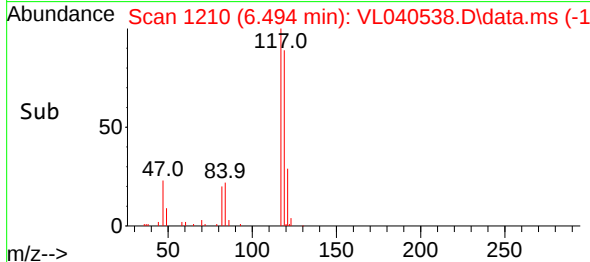
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 117 Resp: 71812
Ion Ratio Lower Upper
117 100
119 87.7 77.8 116.6
121 28.4 24.8 37.2

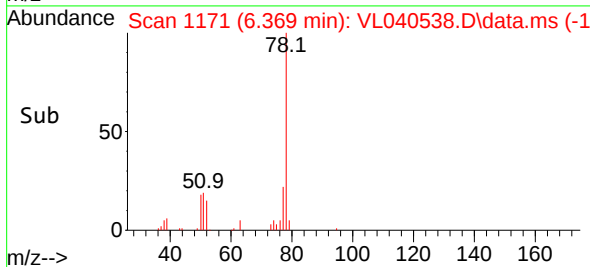
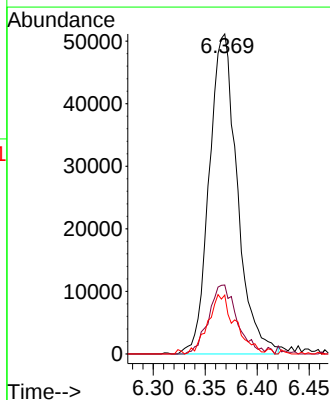
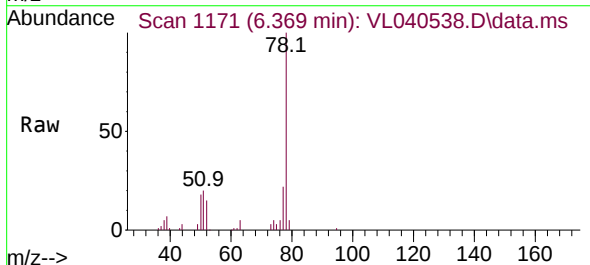
Manual Integrations
APPROVED

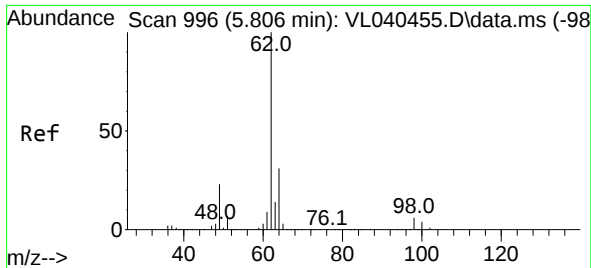
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#36
Benzene
Concen: 0.472 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 78 Resp: 95992
Ion Ratio Lower Upper
78 100
77 21.6 17.4 26.0
50 18.4 14.4 21.6





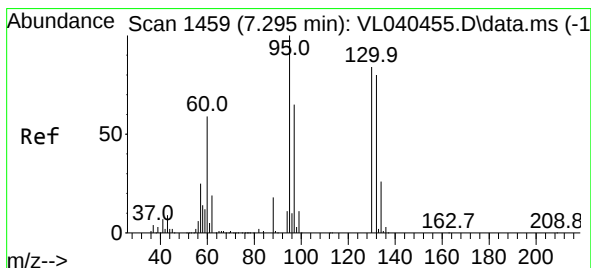
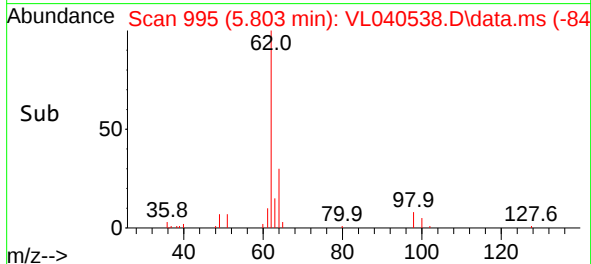
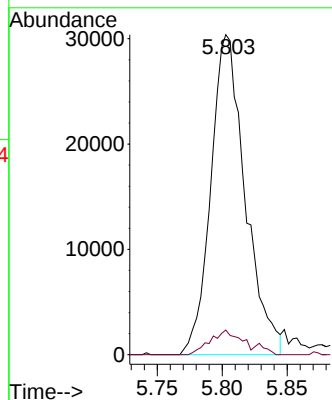
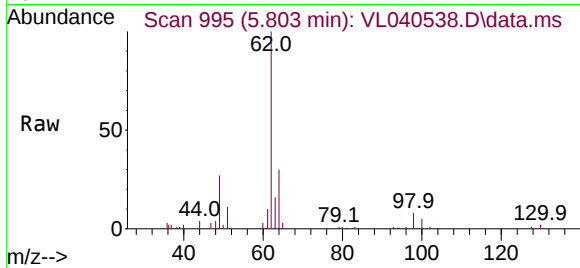
#37
1,2-Dichloroethane
Concen: 0.467 ppbv
RT: 5.803 min Scan# 995
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 62 Resp: 5589
Ion Ratio Lower Upper
62 100
98 7.9 5.1 7.7

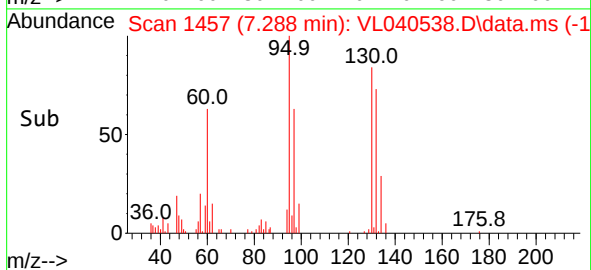
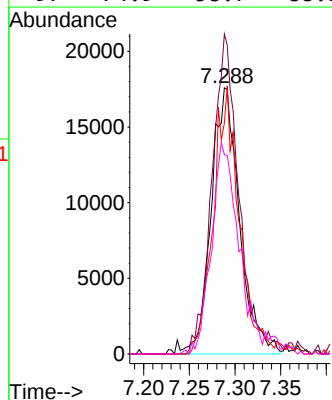
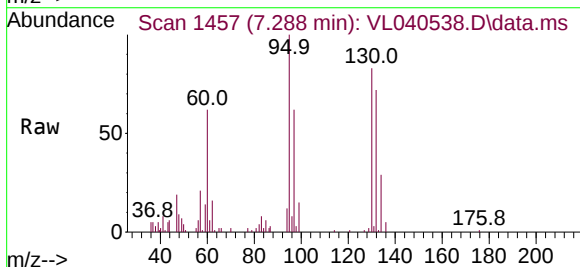
Manual Integrations
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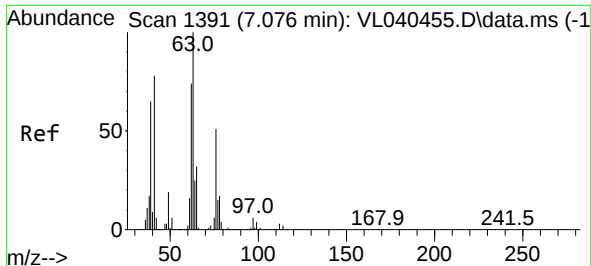
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#38
Trichloroethene
Concen: 0.493 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion:130 Resp: 37919
Ion Ratio Lower Upper
130 100
95 120.2 90.2 135.2
132 86.7 76.3 114.5
97 74.9 58.7 88.1





#39

1,2-Dichloropropane

Concen: 0.501 ppbv m

RT: 7.070 min Scan# 1391

Delta R.T. -0.013 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

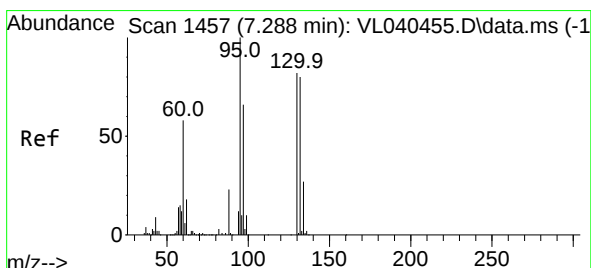
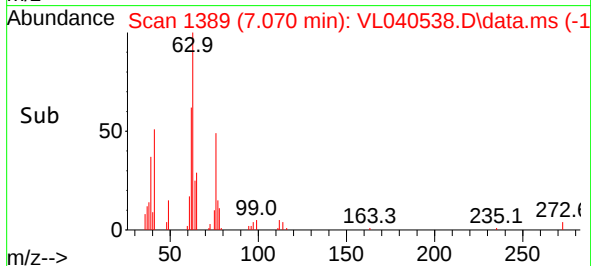
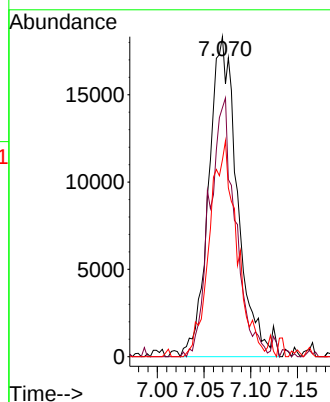
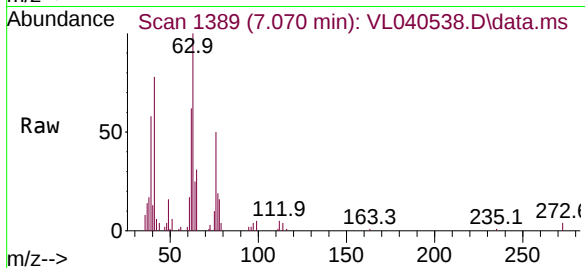
LOQ-AIR-02-QT3-2023

Tgt Ion: 63	Resp: 3927
Ion Ratio	Lower Upper
63 100	
41 77.8	54.3 81.5
62 61.5	55.6 83.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#40

1,4-Dioxane

Concen: 0.424 ppbv m

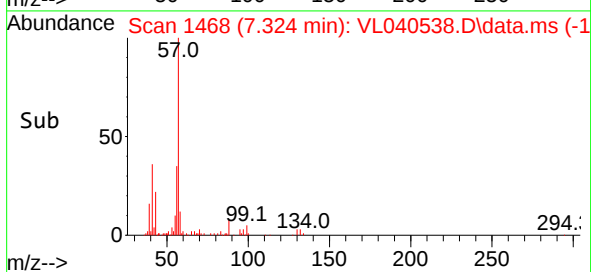
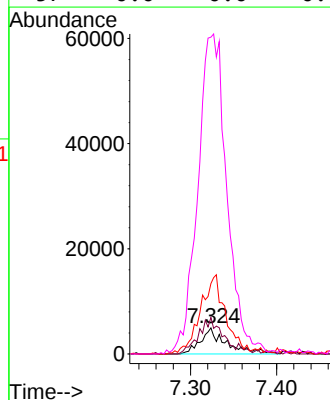
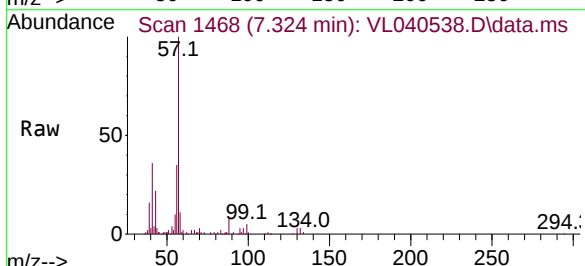
RT: 7.324 min Scan# 1468

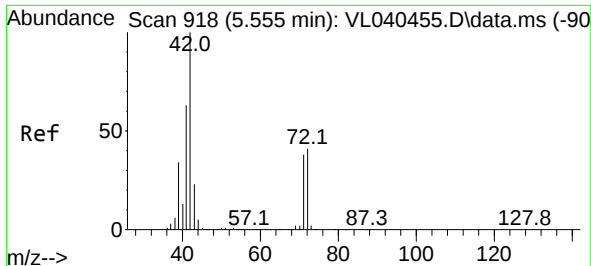
Delta R.T. 0.026 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

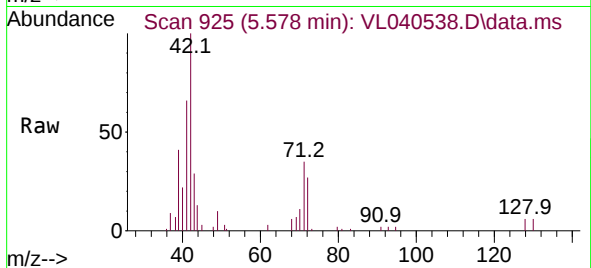
Tgt Ion: 88	Resp: 10385
Ion Ratio	Lower Upper
88 100	
58 141.3	58.6 88.0#
43 0.0	0.0 0.0
57 0.0	0.0 0.0





#41
Tetrahydrofuran
Concen: 0.409 ppbv m
RT: 5.578 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

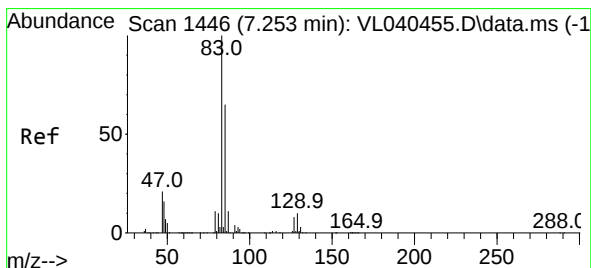
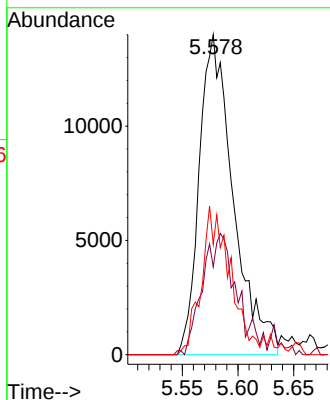
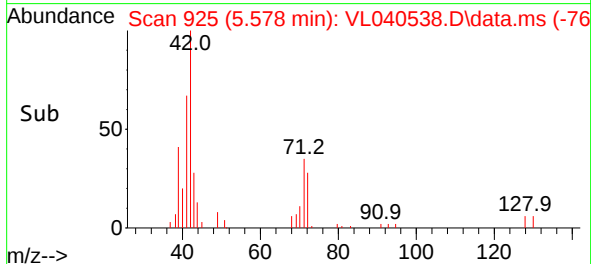
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 42 Resp: 29849
Ion Ratio Lower Upper
42 100
72 41.0 33.8 50.8
71 42.4 33.0 49.6

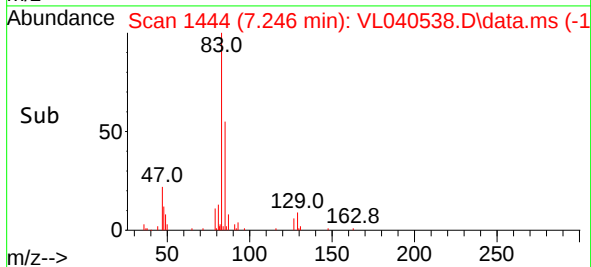
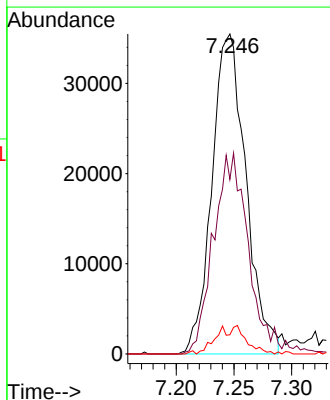
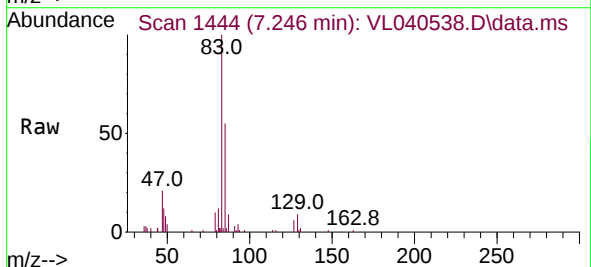
Manual Integrations
APPROVED

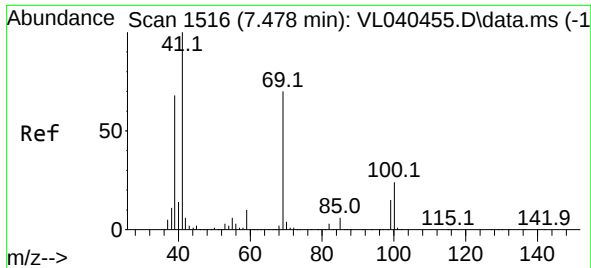
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#42
Bromodichloromethane
Concen: 0.437 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 83 Resp: 72716
Ion Ratio Lower Upper
83 100
85 54.6 51.1 76.7
127 6.0 6.5 9.7#





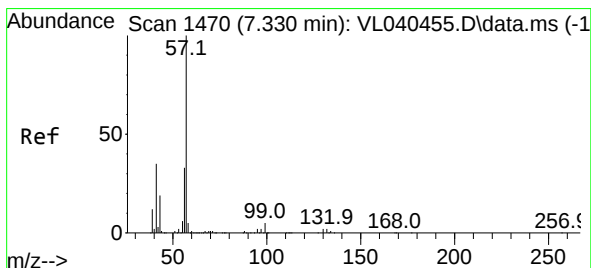
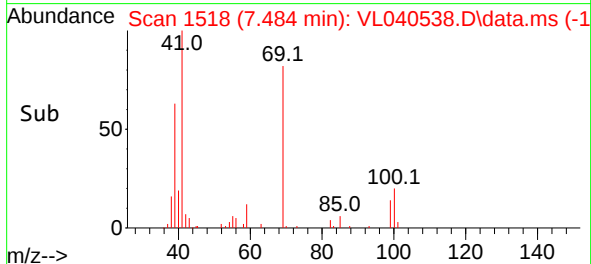
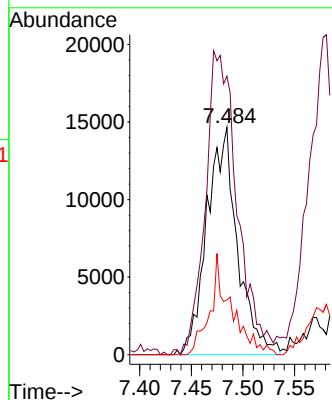
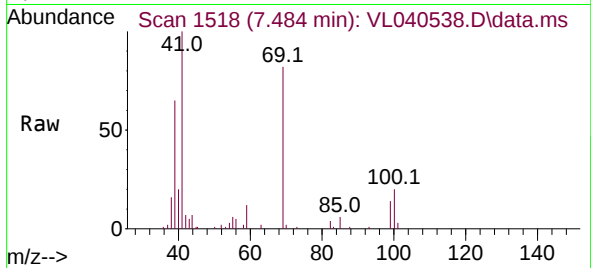
#43
Methyl Methacrylate
Concen: 0.396 ppbv m
RT: 7.484 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 69 Resp: 3017
Ion Ratio Lower Upper
69 100
41 141.2 111.7 167.5
100 30.9 26.9 40.3

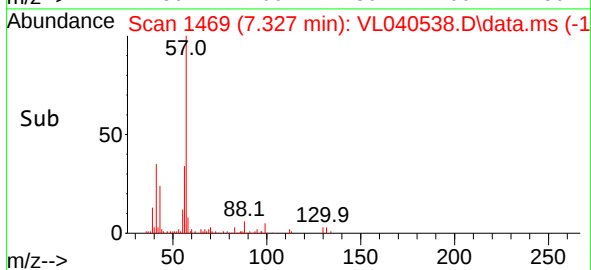
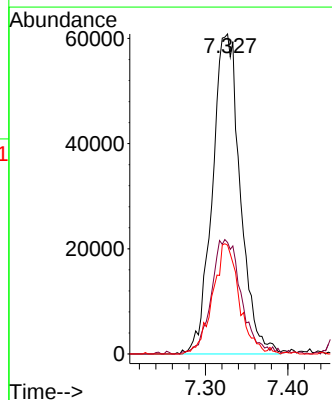
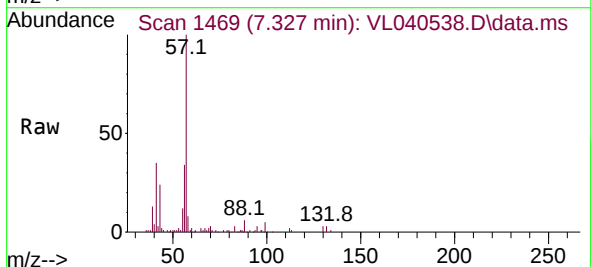
Manual Integrations
APPROVED

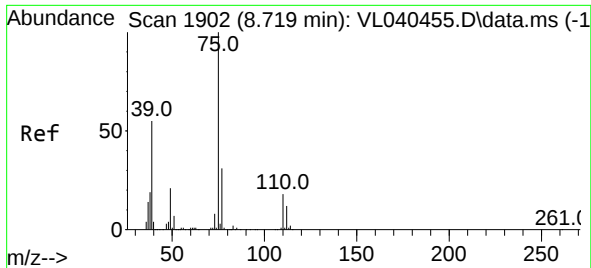
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#44
2,2,4-Trimethylpentane
Concen: 0.438 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 57 Resp: 143256
Ion Ratio Lower Upper
57 100
41 38.7 25.5 38.3#
56 33.3 25.1 37.7





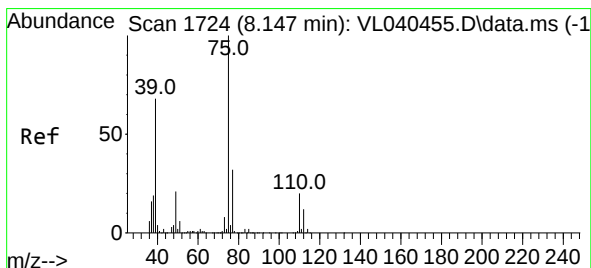
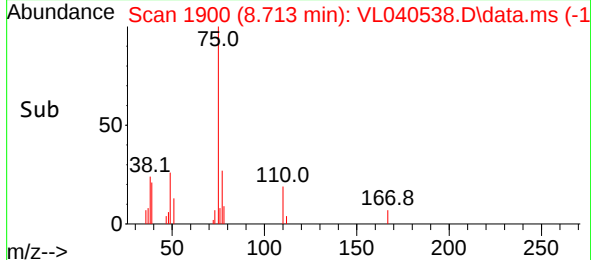
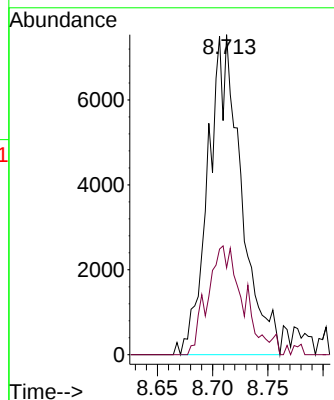
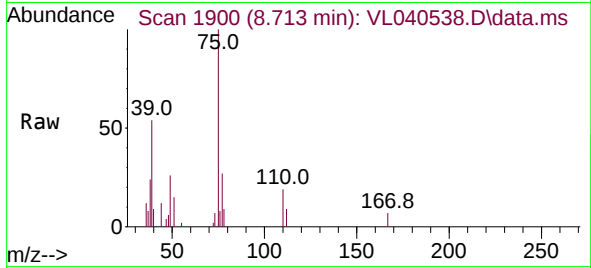
#45
t-1,3-Dichloropropene
Concen: 0.323 ppbv m
RT: 8.713 min Scan# 1902
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 75 Resp: 15760
Ion Ratio Lower Upper
75 100
77 27.1 26.0 39.0

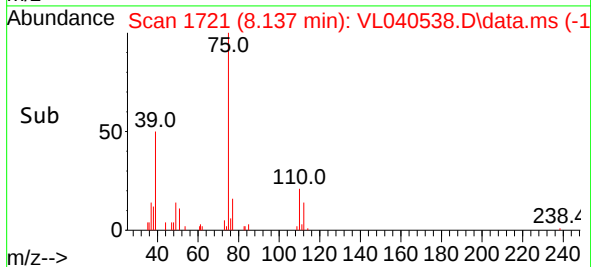
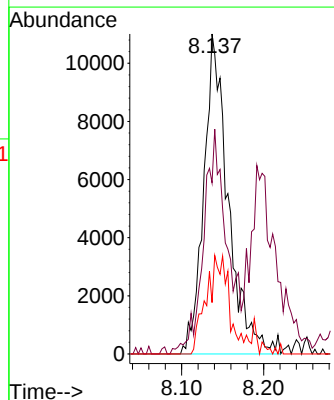
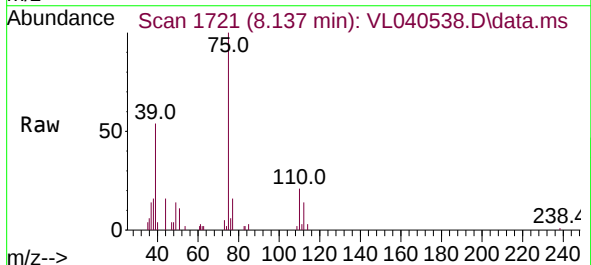
Manual Integrations
APPROVED

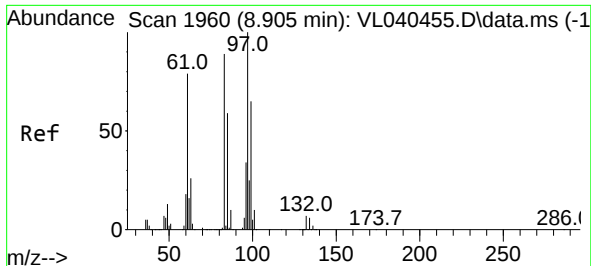
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#46
cis-1,3-Dichloropropene
Concen: 0.364 ppbv m
RT: 8.137 min Scan# 1721
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 75 Resp: 22826
Ion Ratio Lower Upper
75 100
39 53.5 48.0 72.0
77 16.1 24.0 36.0





#47

1,1,2-Trichloroethane

Concen: 0.492 ppbv

RT: 8.899 min Scan# 1960

Delta R.T. -0.010 min

Lab File: VL040538.D

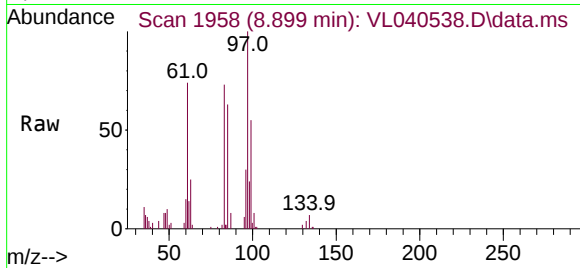
Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023



Tgt Ion: 97 Resp: 42520

Ion Ratio Lower Upper

97 100

83 72.3 73.4 110.0

85 62.7 46.6 70.0

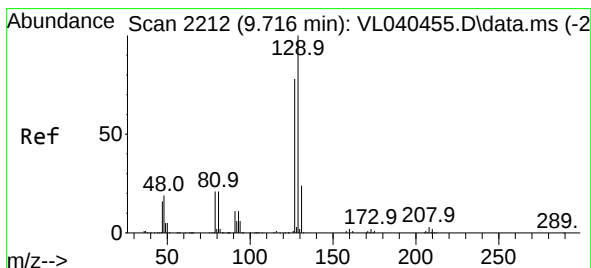
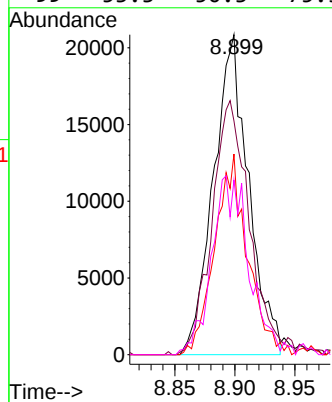
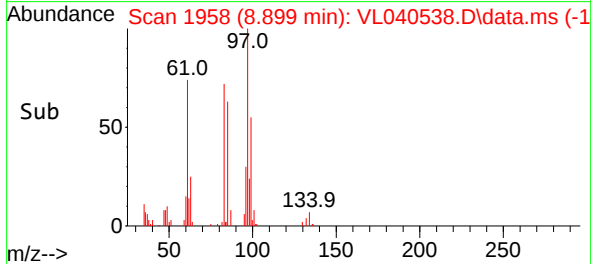
99 53.3 50.3 75.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#48

Dibromochloromethane

Concen: 0.385 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. -0.016 min

Lab File: VL040538.D

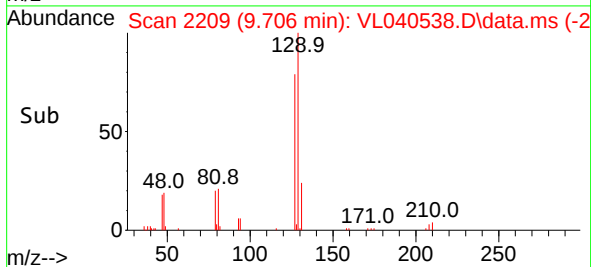
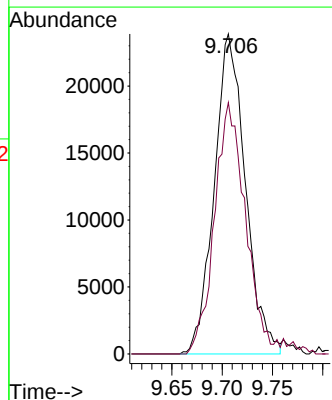
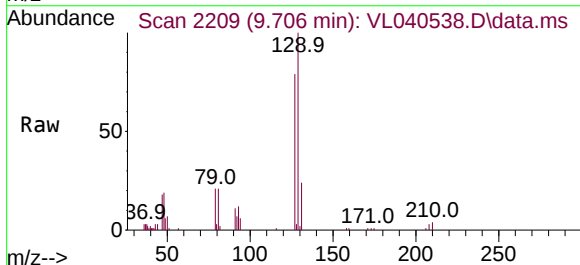
Acq: 14 Jul 2023 22:40

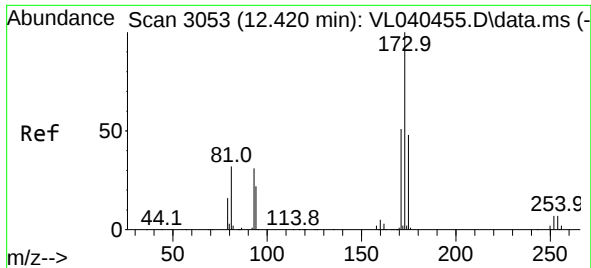
Tgt Ion:129 Resp: 51412

Ion Ratio Lower Upper

129 100

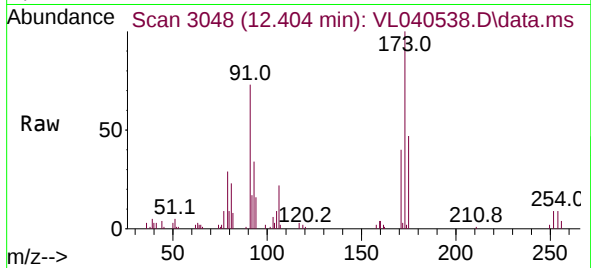
127 80.6 39.1 117.3





#49
Bromoform
Concen: 0.350 ppbv m
RT: 12.404 min Scan# 3053
Delta R.T. -0.019 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

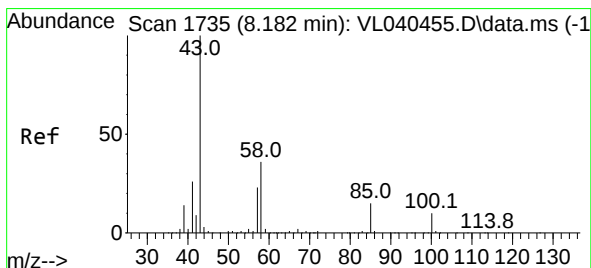
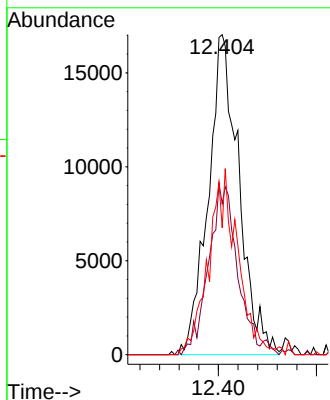
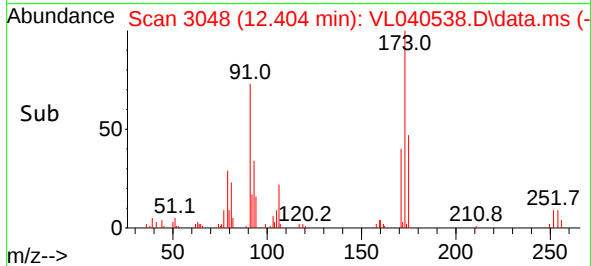
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion:173 Resp: 37099
Ion Ratio Lower Upper
173 100
175 51.6 39.5 59.3
171 55.3 42.2 63.4

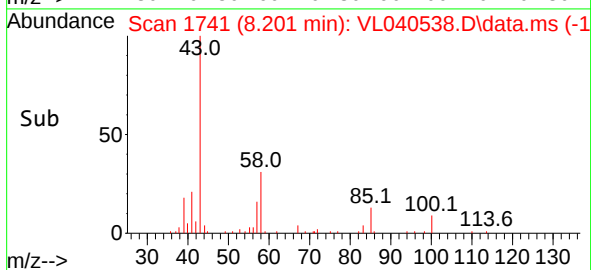
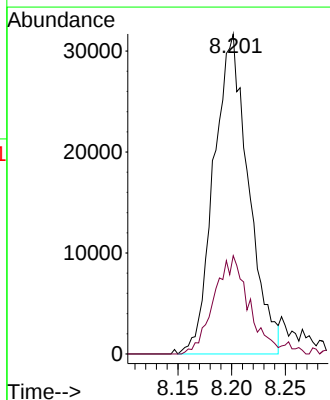
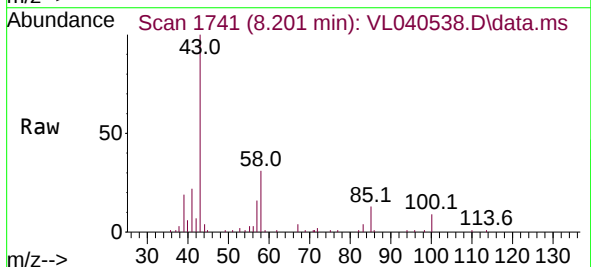
Manual Integrations
APPROVED

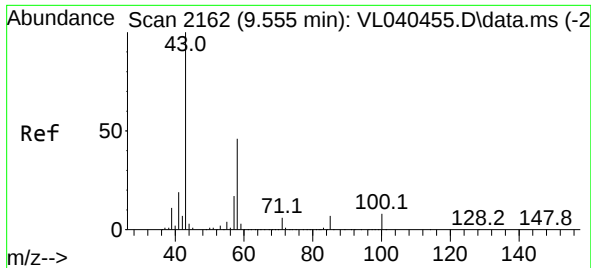
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#50
4-Methyl-2-Pentanone
Concen: 0.392 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

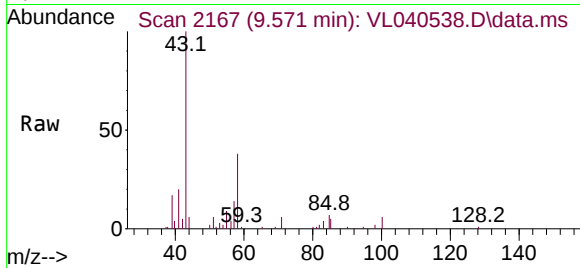
Tgt Ion: 43 Resp: 71168
Ion Ratio Lower Upper
43 100
58 32.3 30.2 45.2





#51
2-Hexanone
Concen: 0.323 ppbv m
RT: 9.571 min Scan# 2162
Delta R.T. 0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

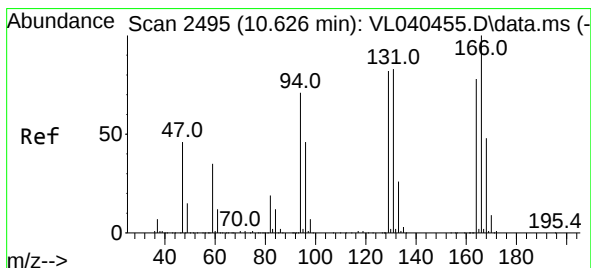
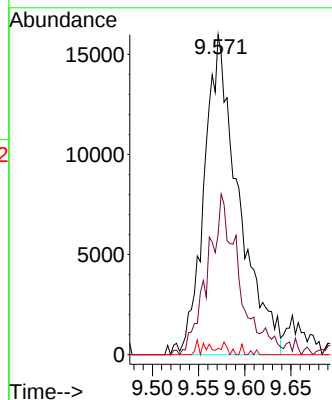
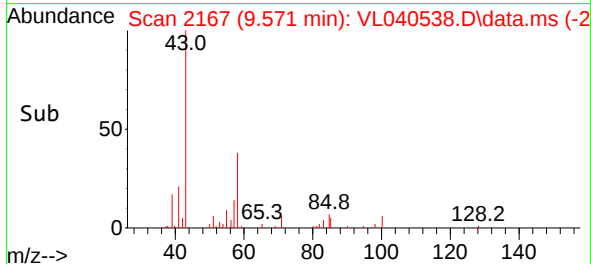
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 43 Resp: 41420
Ion Ratio Lower Upper
43 100
58 0.0 39.7 59.5
98 2.4 0.3 0.5

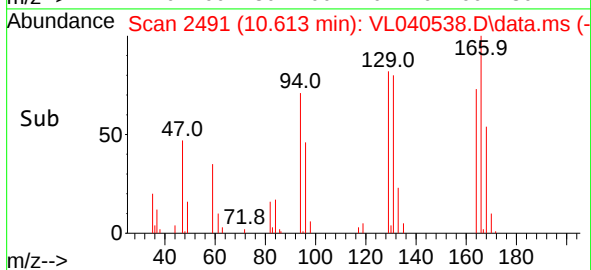
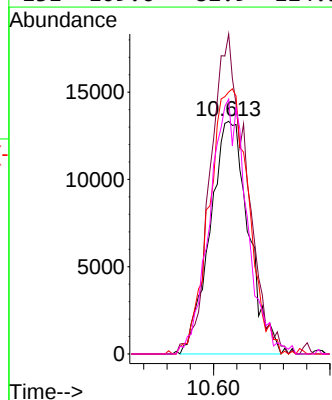
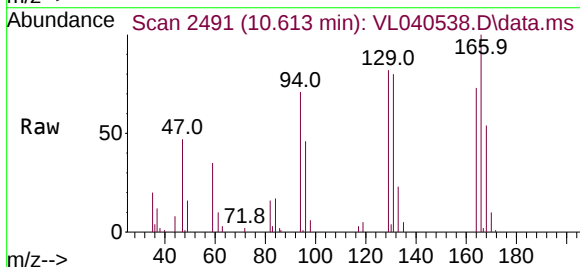
Manual Integrations
APPROVED

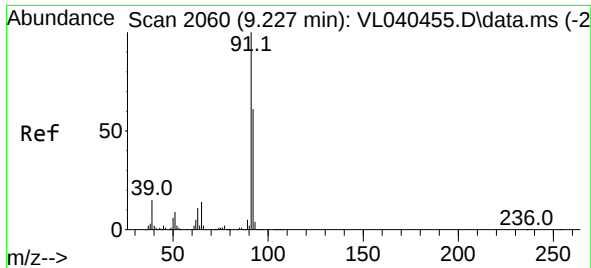
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#52
Tetrachloroethene
Concen: 0.463 ppbv m
RT: 10.613 min Scan# 2491
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion:164 Resp: 30541
Ion Ratio Lower Upper
164 100
166 137.5 103.9 155.9
129 112.5 84.6 126.8
131 109.6 82.9 124.3





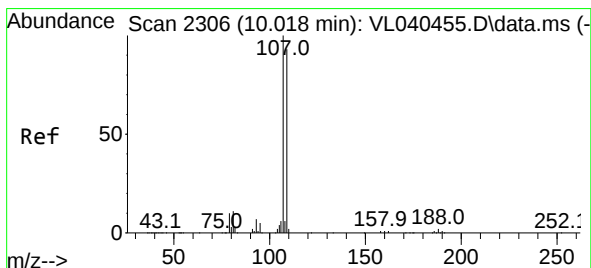
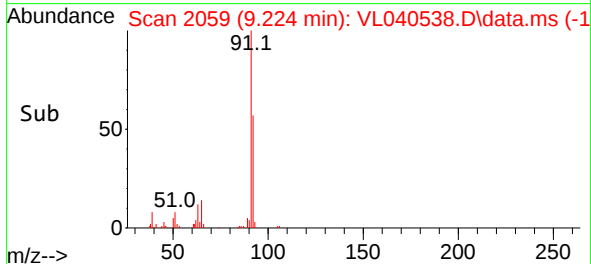
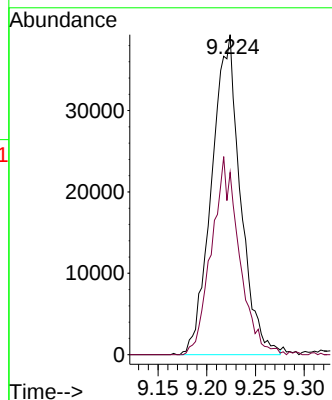
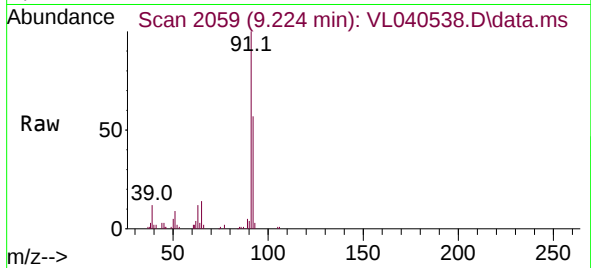
#53
Toluene
Concen: 0.366 ppbv
RT: 9.224 min Scan# 2060
Delta R.T. -0.006 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 91 Resp: 8090
Ion Ratio Lower Upper
91 100
92 59.7 49.1 73.7

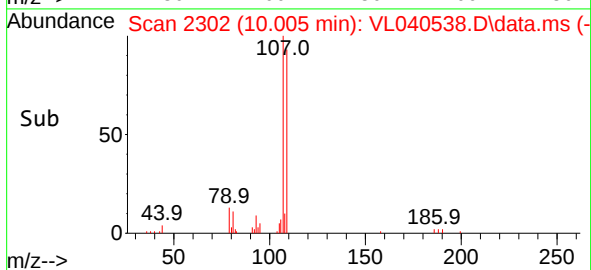
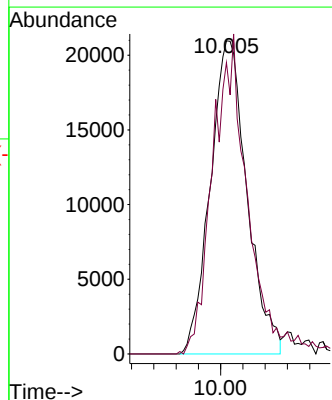
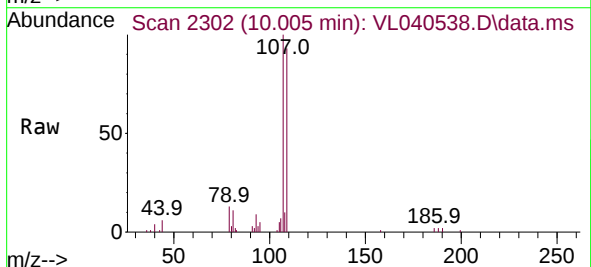
Manual Integrations
APPROVED

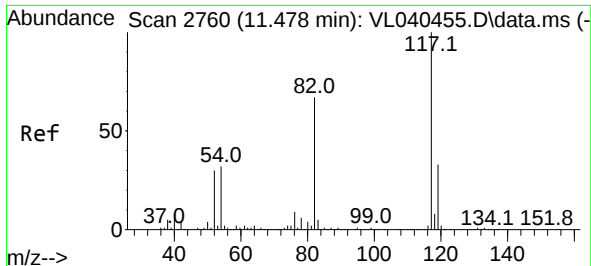
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#54
1,2-Dibromoethane
Concen: 0.447 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

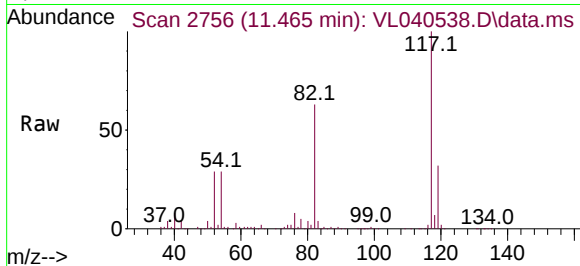
Tgt Ion:107 Resp: 47969
Ion Ratio Lower Upper
107 100
109 92.3 75.4 113.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2760
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

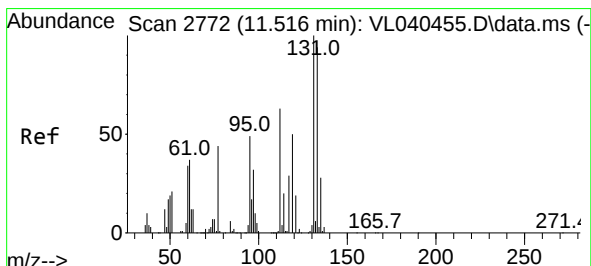
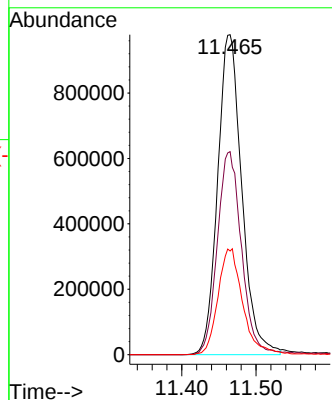
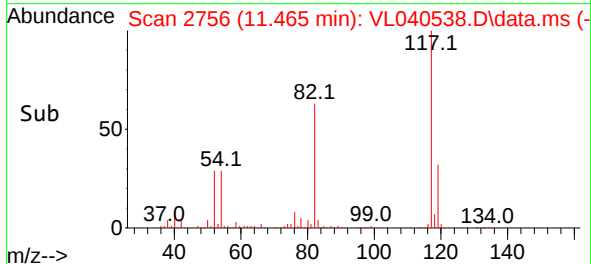
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



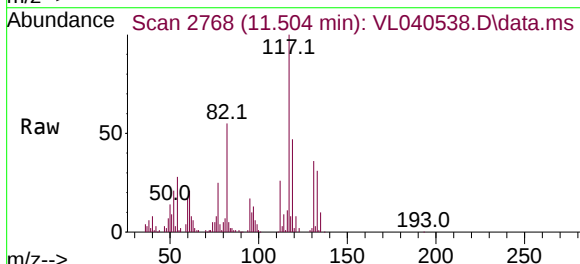
Tgt Ion:117 Resp: 2213290
Ion Ratio Lower Upper
117 100
82 63.7 50.2 75.4
119 34.1 26.9 40.3

Manual Integrations
APPROVED

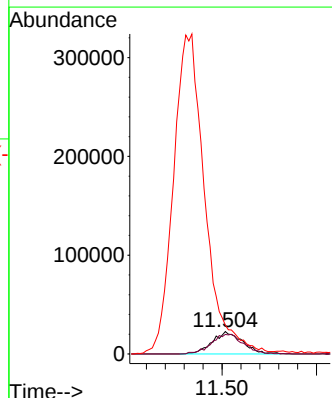
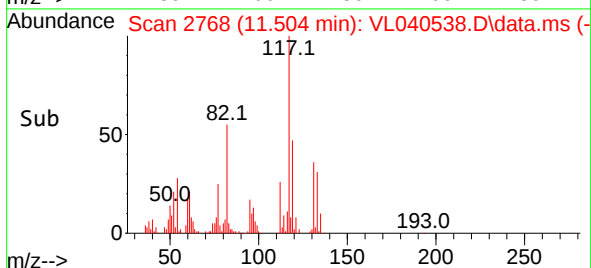
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

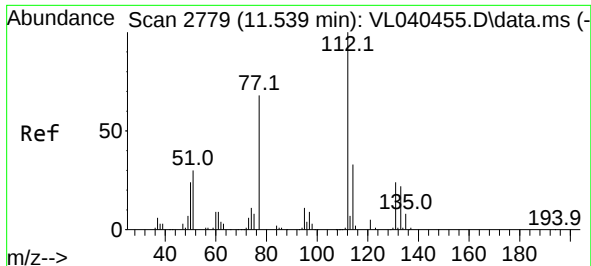


#56
1,1,1,2-Tetrachloroethane
Concen: 0.502 ppbv m
RT: 11.504 min Scan# 2768
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



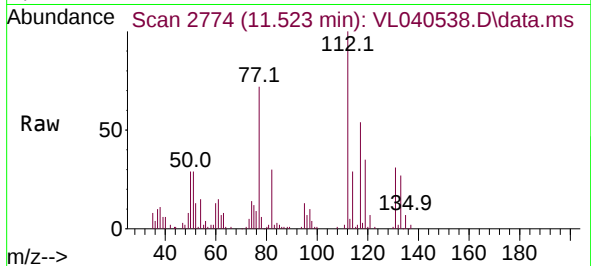
Tgt Ion:131 Resp: 49736
Ion Ratio Lower Upper
131 100
133 94.6 76.3 114.5
119 0.0 51.1 76.7#





#57
Chlorobenzene
Concen: 0.523 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

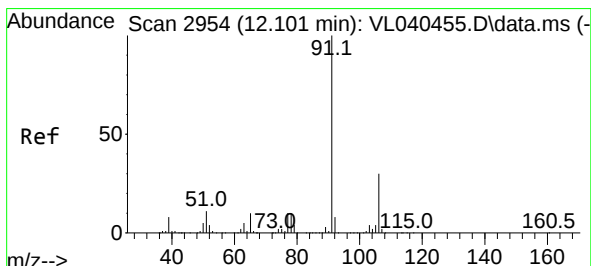
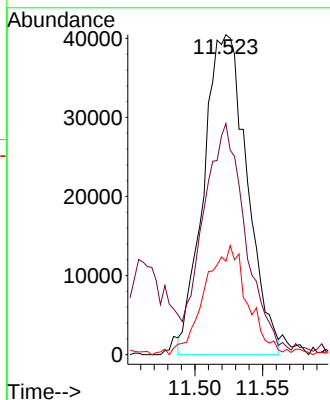
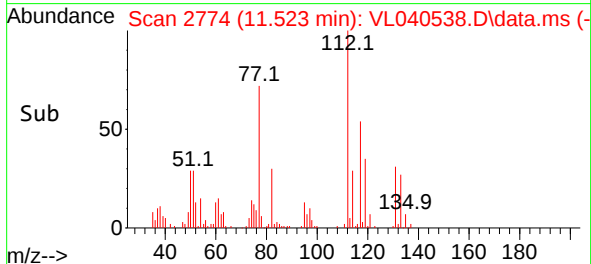
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion:112 Resp: 90198
Ion Ratio Lower Upper
112 100
77 72.8 51.0 76.6
114 29.0 28.3 34.5

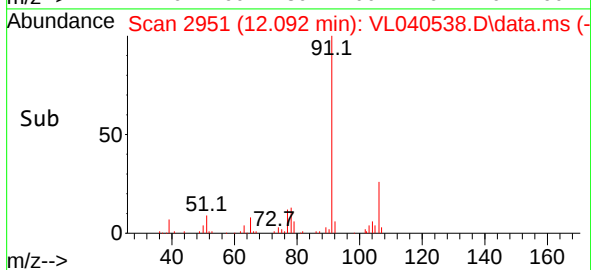
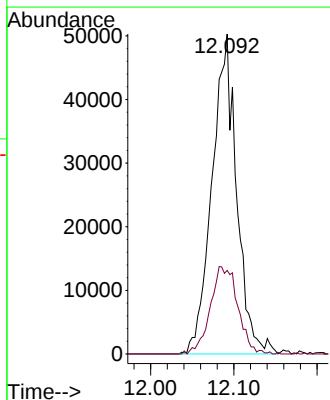
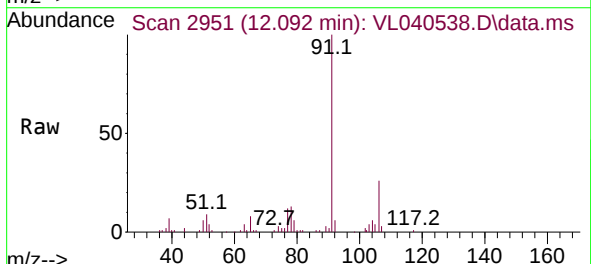
Manual Integrations
APPROVED

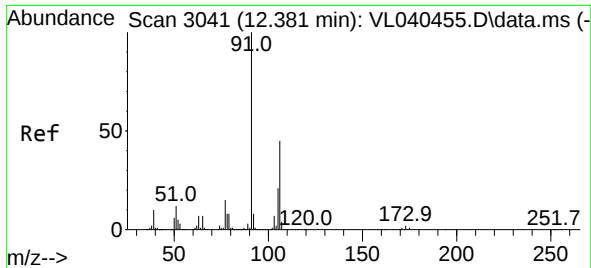
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#58
Ethyl Benzene
Concen: 0.372 ppbv m
RT: 12.092 min Scan# 2951
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 91 Resp: 103391
Ion Ratio Lower Upper
91 100
106 26.1 25.4 38.0





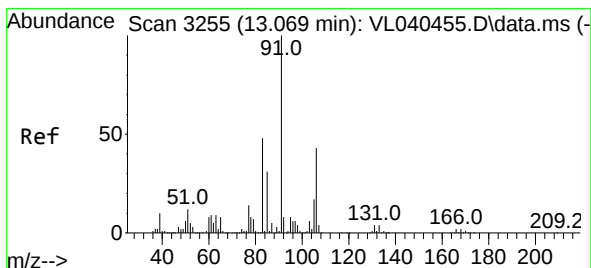
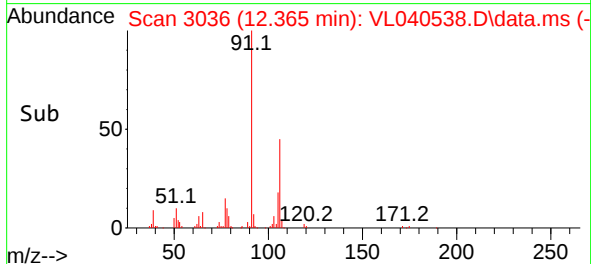
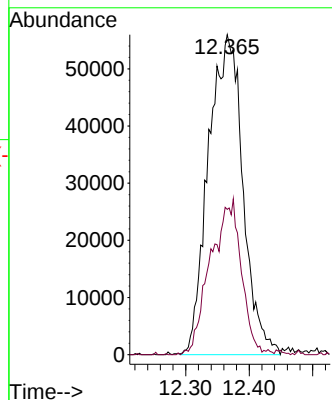
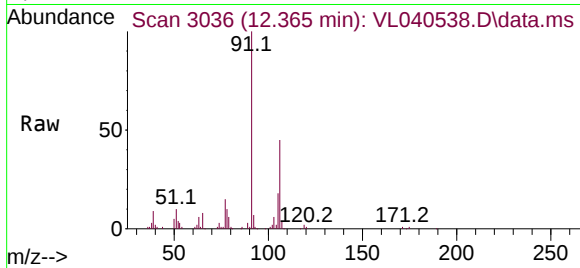
#59
m/p-Xylene
Concen: 0.851 ppbv m
RT: 12.365 min Scan# 3041
Delta R.T. -0.019 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion: 91 Resp: 21091
Ion Ratio Lower Upper
91 100
106 43.9 35.9 53.9

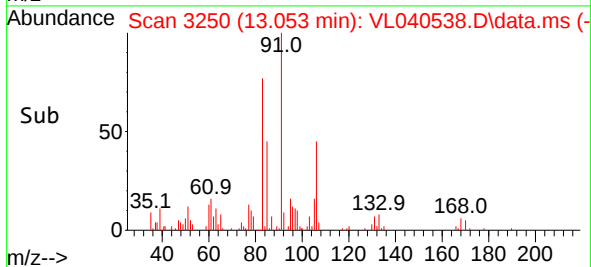
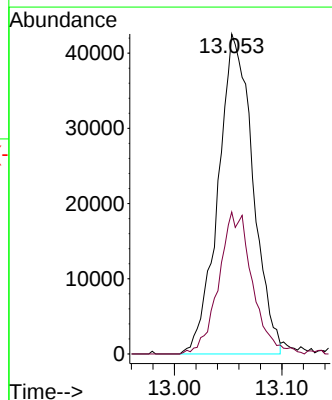
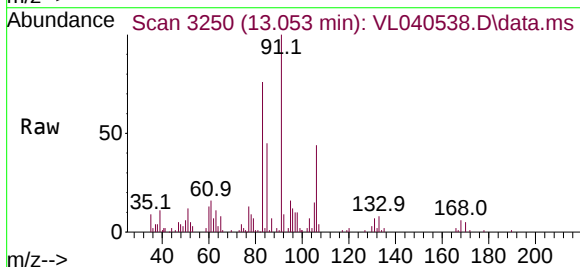
Manual Integrations
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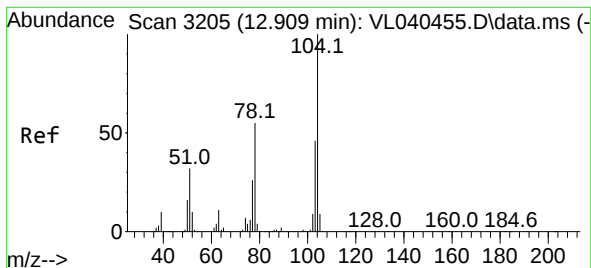
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#60
o-Xylene
Concen: 0.404 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 91 Resp: 95464
Ion Ratio Lower Upper
91 100
106 43.6 22.7 68.0





#61

Styrene

Concen: 0.302 ppbv m

RT: 12.896 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

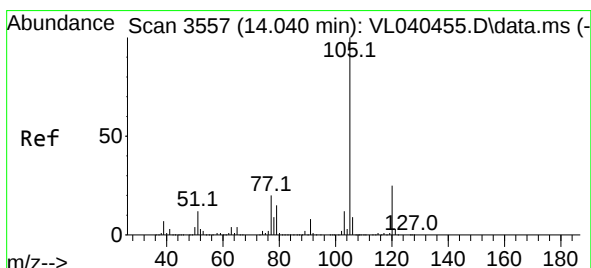
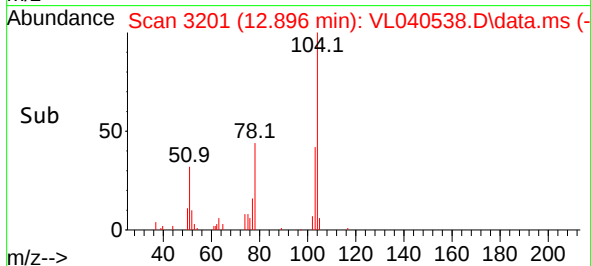
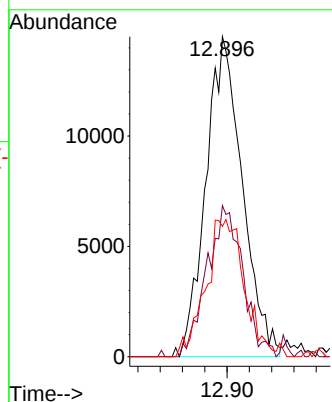
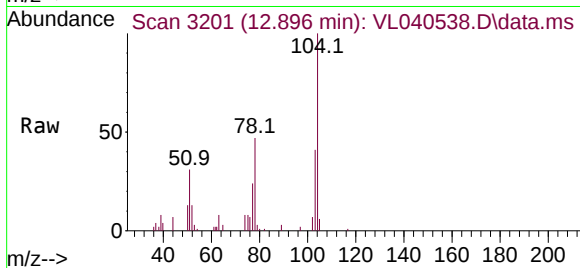
LOQ-AIR-02-QT3-2023

Tgt Ion:	104	Resp:	32908
Ion Ratio	Lower	Upper	
104	100		
78	47.5	40.1	60.1
103	45.8	37.0	55.4

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Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#62

Isopropylbenzene

Concen: 0.458 ppbv

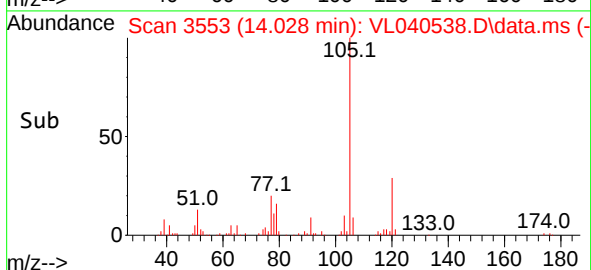
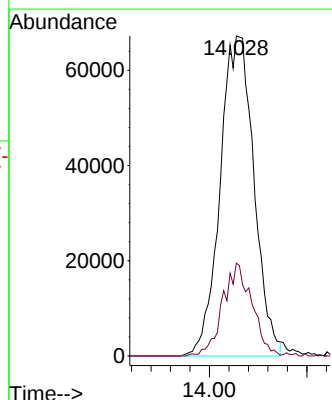
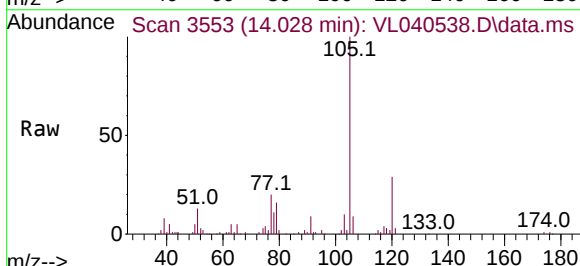
RT: 14.028 min Scan# 3553

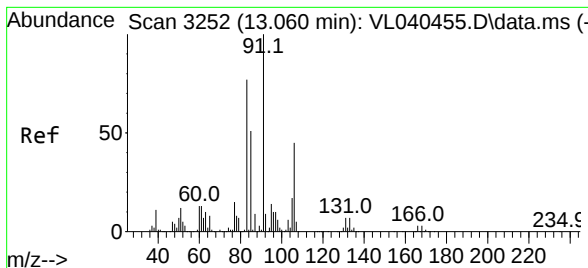
Delta R.T. -0.013 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

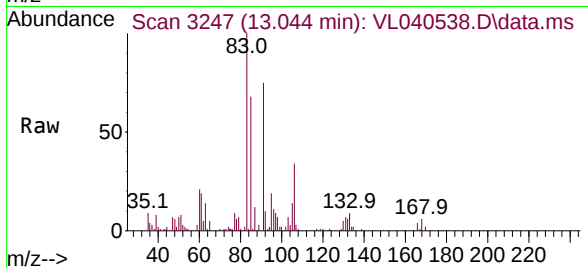
Tgt Ion:	105	Resp:	162186
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.8	31.2





#63
1,1,2,2-Tetrachloroethane
Concen: 0.513 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

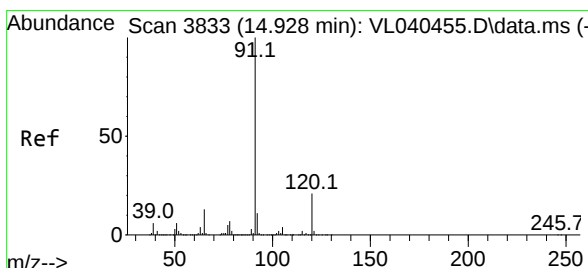
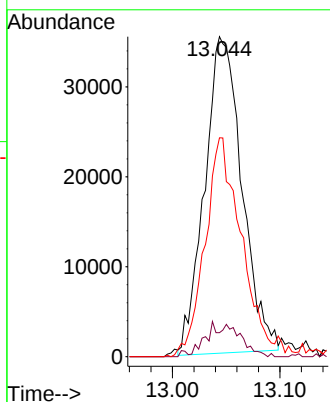
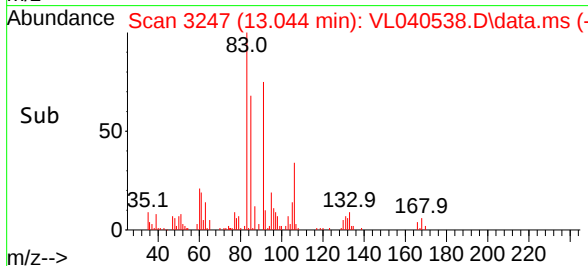
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 83 Resp: 8490
Ion Ratio Lower Upper
83 100
131 9.9 4.6 13.8
85 68.6 32.8 98.3

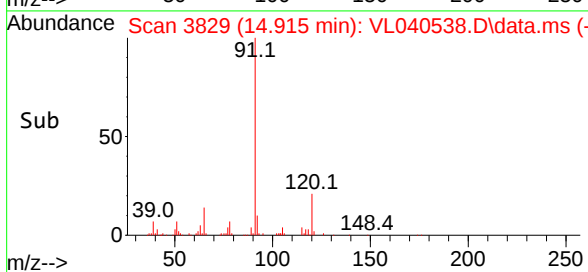
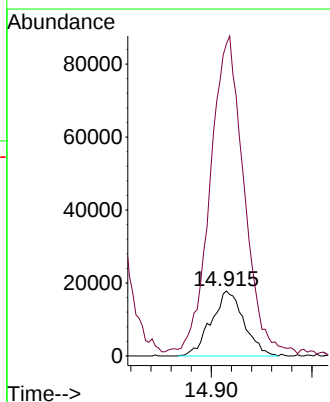
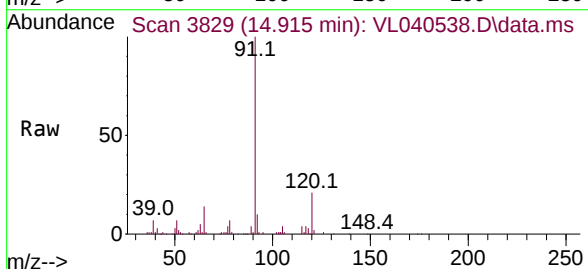
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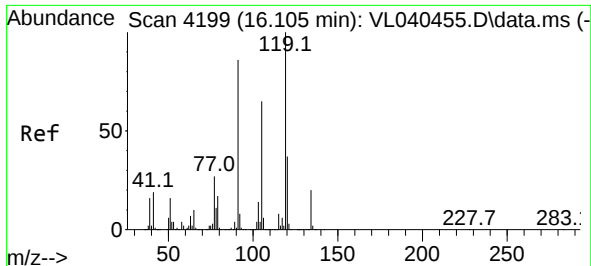
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#64
n-propylbenzene
Concen: 0.437 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

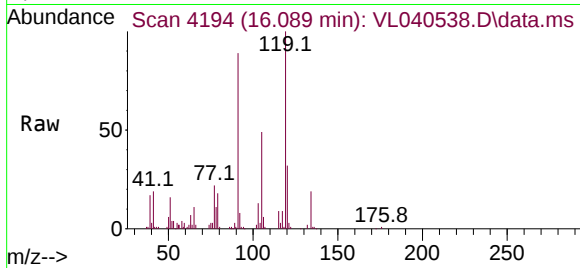
Tgt Ion:120 Resp: 40036
Ion Ratio Lower Upper
120 100
91 519.6 374.3 561.5





#65
tert-Butylbenzene
Concen: 0.440 ppbv
RT: 16.089 min Scan# 4199
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

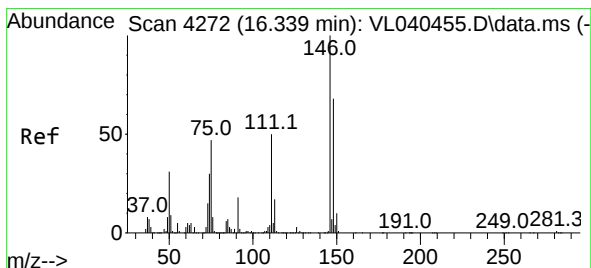
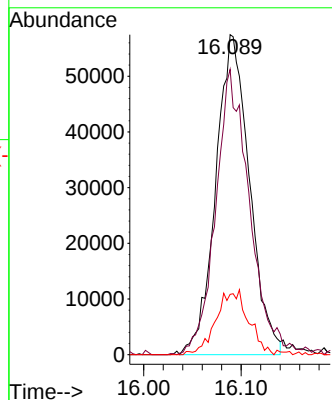
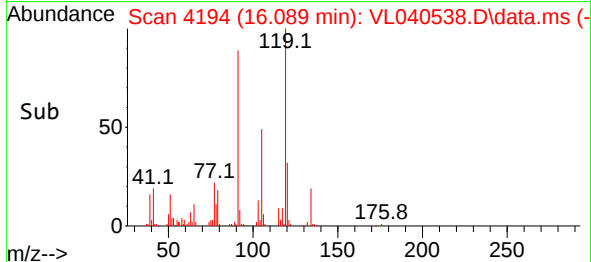
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion: 119 Resp: 137990
Ion Ratio Lower Upper
119 100
91 89.7 66.1 99.1
134 19.8 15.7 23.5

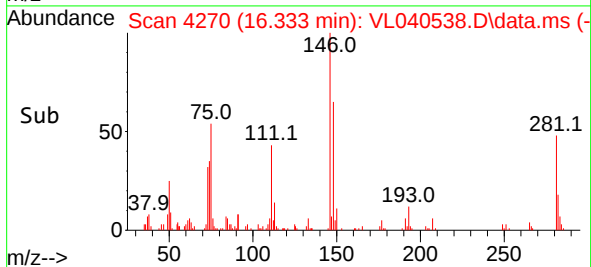
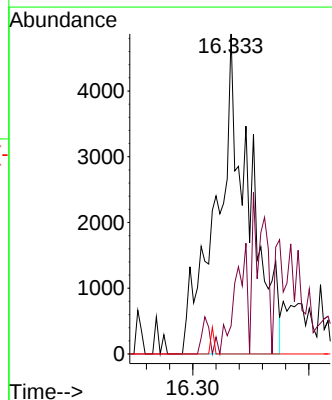
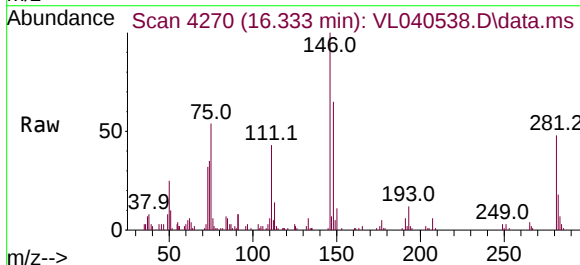
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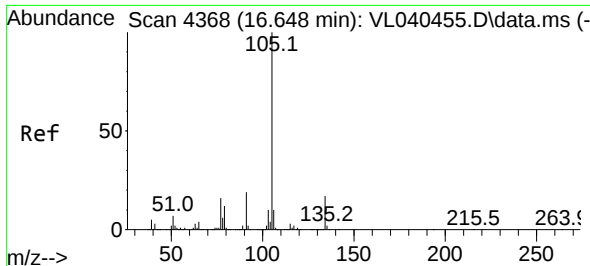
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#66
Benzyl Chloride
Concen: 0.428 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. -0.003 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion: 91 Resp: 9494
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.2#
128 0.0 4.5 6.7#





#67

sec-Butylbenzene

Concen: 0.455 ppbv

RT: 16.635 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion:105 Resp: 209640

Ion Ratio Lower Upper

105 100

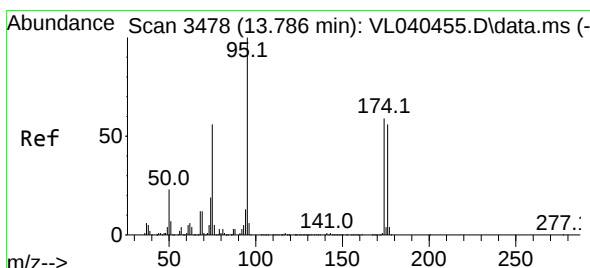
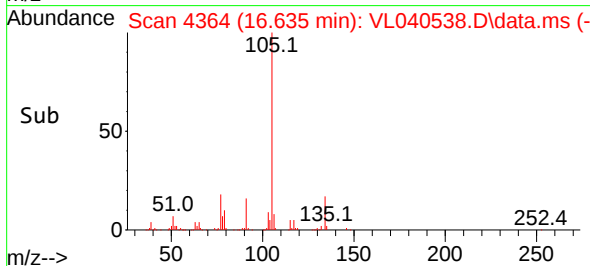
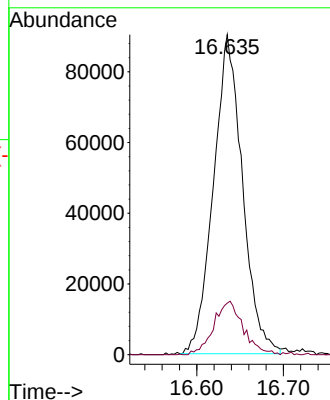
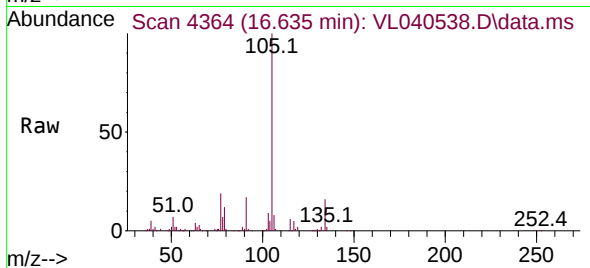
134 17.3 14.4 21.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.935 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. -0.013 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

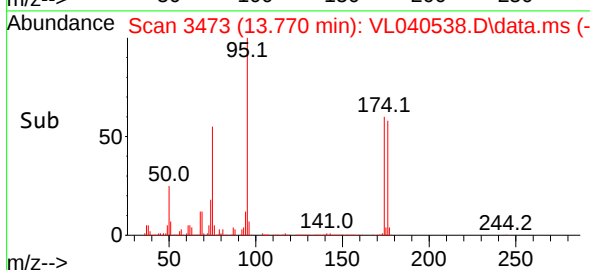
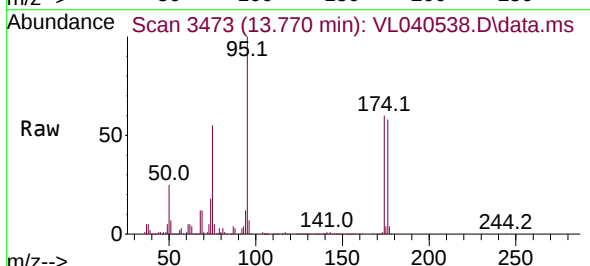
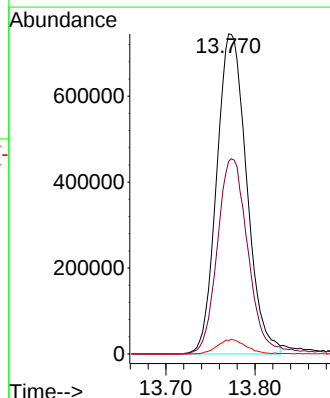
Tgt Ion: 95 Resp: 1740214

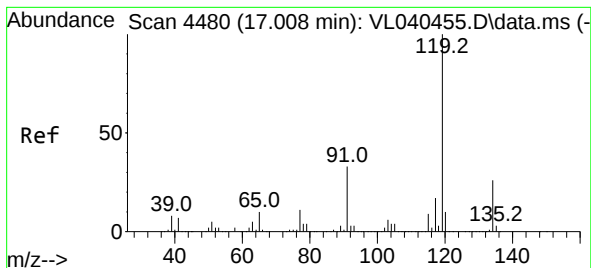
Ion Ratio Lower Upper

95 100

174 63.0 50.6 75.8

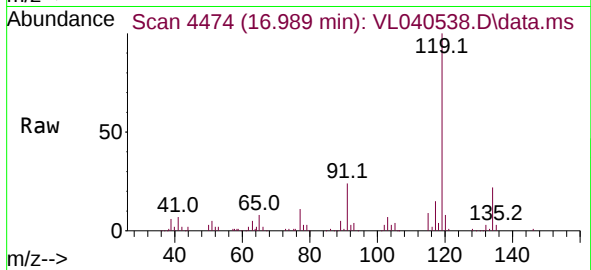
175 4.4 3.7 5.5





#69
p-Isopropyltoluene
Concen: 0.425 ppbv m
RT: 16.989 min Scan# 4480
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

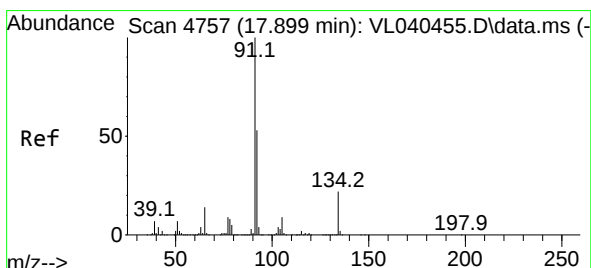
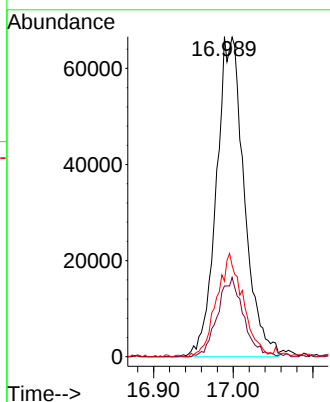
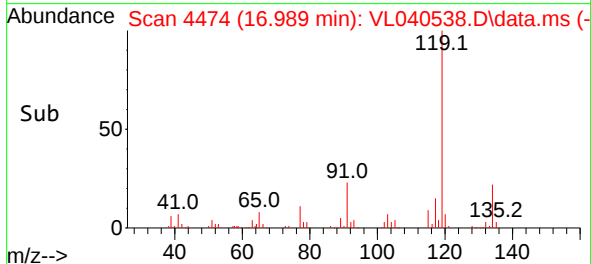
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion:119 Resp: 161660
Ion Ratio Lower Upper
119 100
134 0.0 20.5 30.7
91 0.0 23.8 35.8

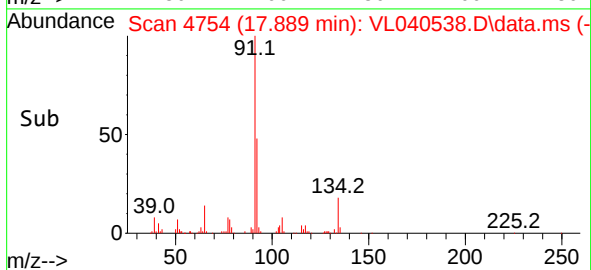
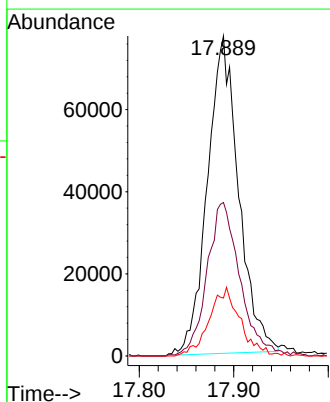
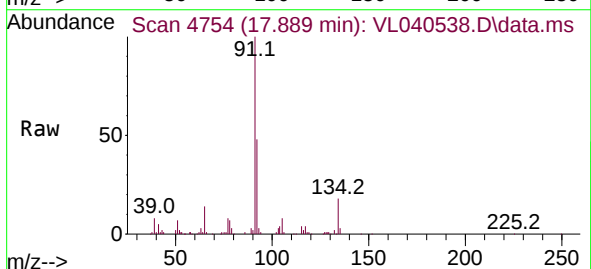
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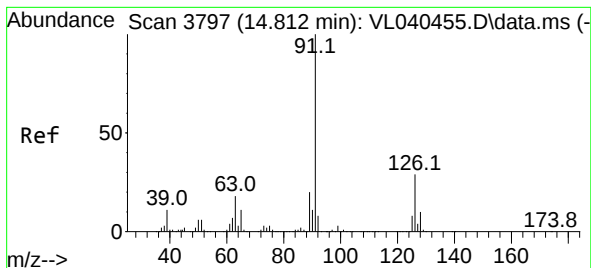
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#70
n-Butylbenzene
Concen: 0.416 ppbv
RT: 17.889 min Scan# 4754
Delta R.T. -0.006 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

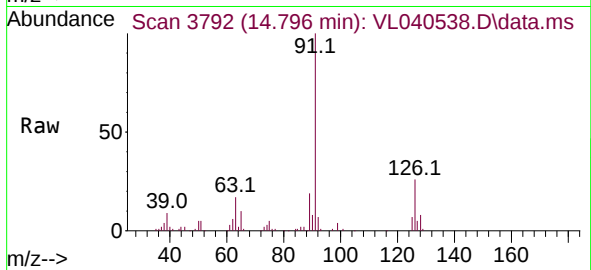
Tgt Ion: 91 Resp: 176610
Ion Ratio Lower Upper
91 100
92 51.6 43.4 65.0
134 21.7 18.1 27.1





#71
2-Chlorotoluene
Concen: 0.424 ppbv m
RT: 14.796 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

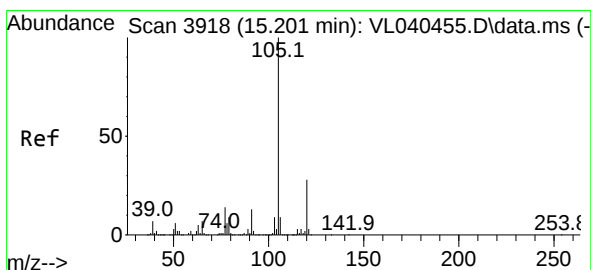
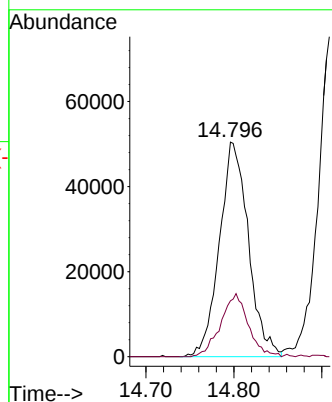
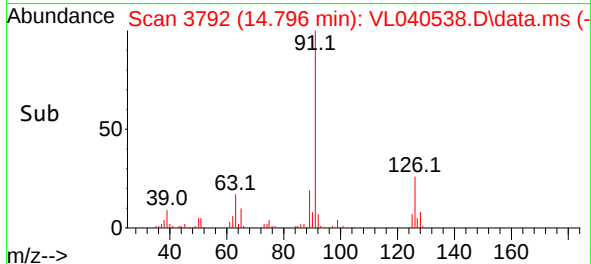
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



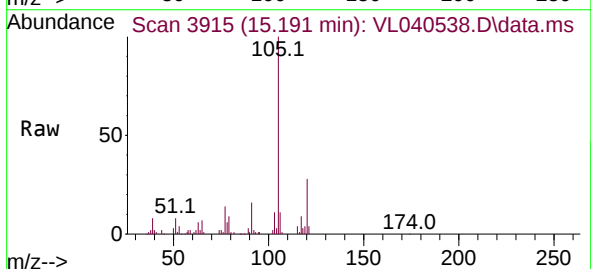
Tgt Ion: 91 Resp: 11565
Ion Ratio Lower Upper
91 100
126 28.1 12.4 49.8

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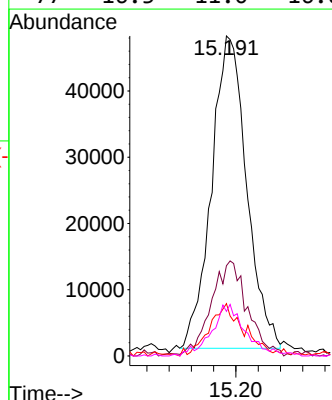
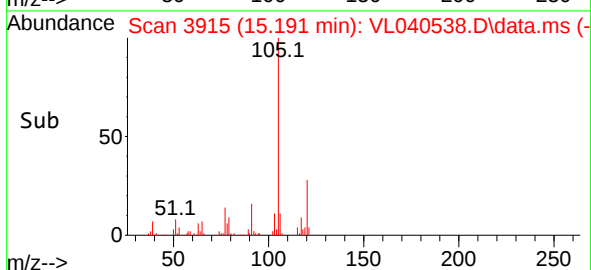
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

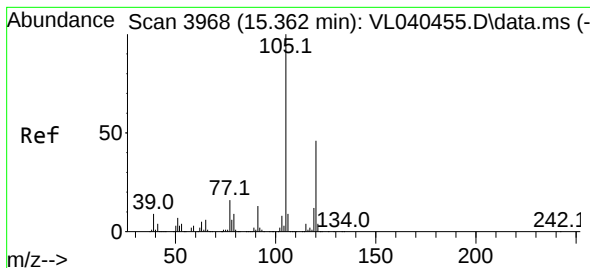


#72
4-Ethyltoluene
Concen: 0.373 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.013 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



Tgt Ion:105 Resp: 103178
Ion Ratio Lower Upper
105 100
120 32.3 24.6 37.0
91 17.7 10.7 16.1#
77 16.3 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 0.435 ppbv m

RT: 15.349 min Scan# 3964

Delta R.T. -0.013 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023

Tgt Ion:105 Resp: 106228

Ion Ratio Lower Upper

105 100

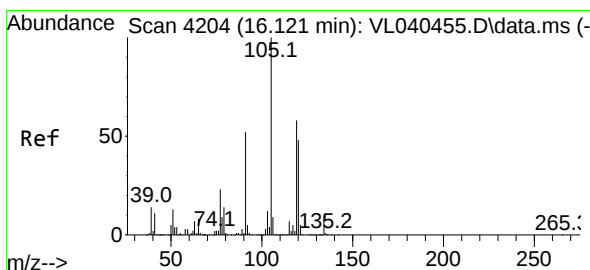
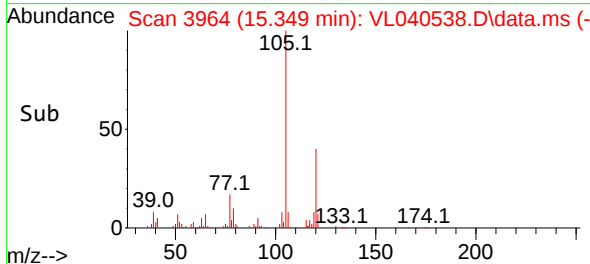
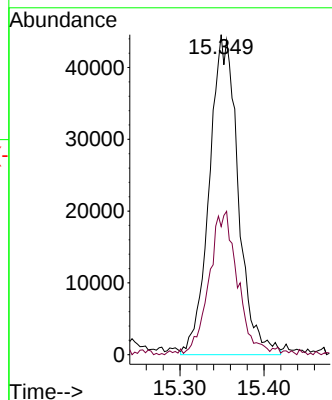
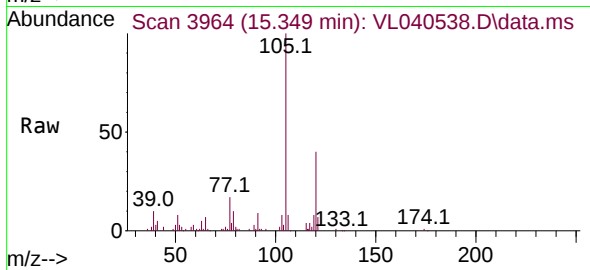
120 40.1 38.2 57.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.462 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.010 min

Lab File: VL040538.D

Acq: 14 Jul 2023 22:40

Tgt Ion:105 Resp: 131373

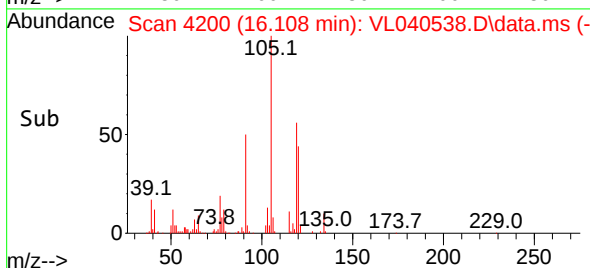
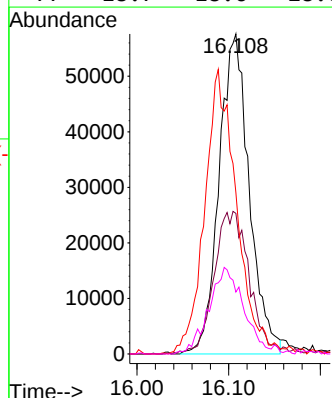
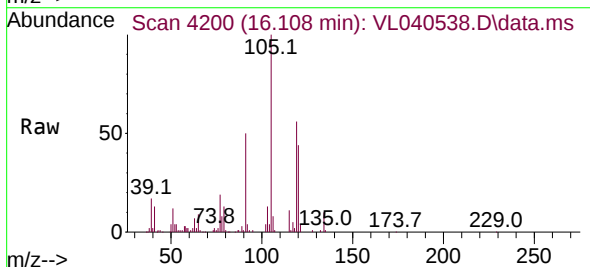
Ion Ratio Lower Upper

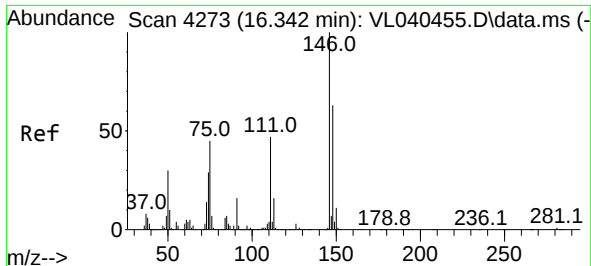
105 100

120 43.0 40.3 60.5

91 48.9 46.8 70.2

77 18.7 18.6 28.0





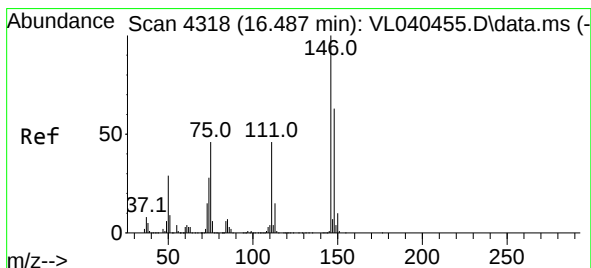
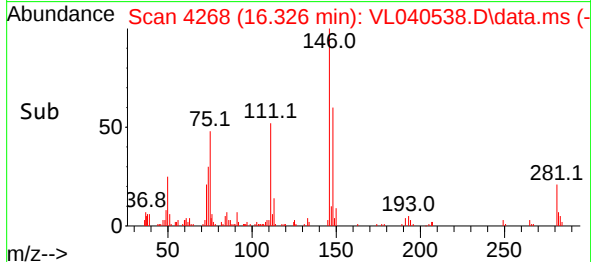
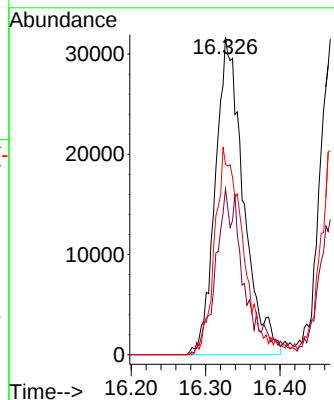
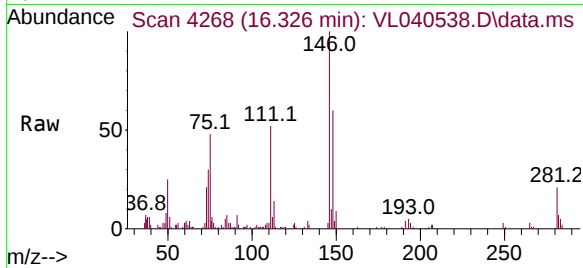
#75
1,3-Dichlorobenzene
Concen: 0.481 ppbv m
RT: 16.326 min Scan# 4315
Delta R.T. -0.016 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023

Tgt Ion:146 Resp: 8299
Ion Ratio Lower Upper
146 100
111 52.8 23.6 71.0
148 66.1 32.2 96.6

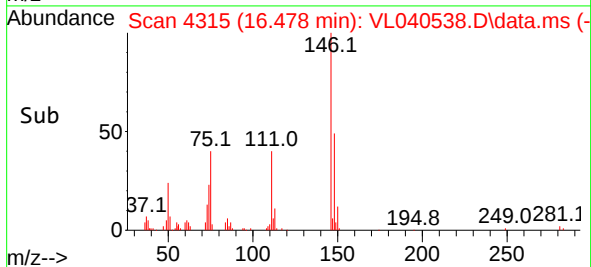
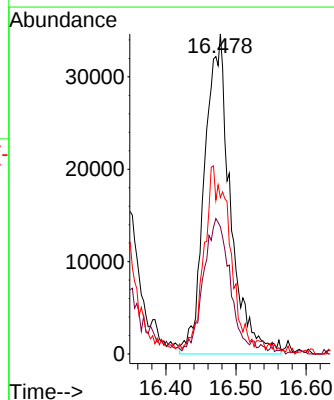
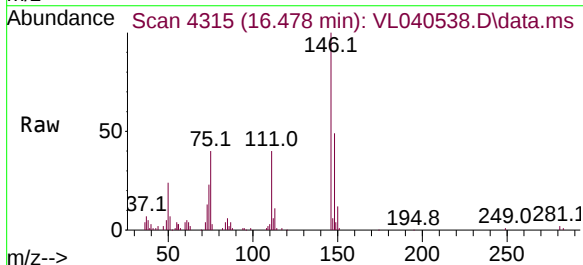
Manual Integrations
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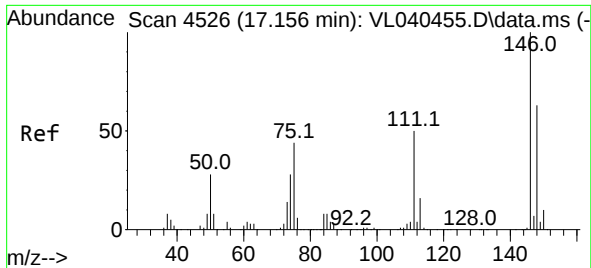
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#76
1,4-Dichlorobenzene
Concen: 0.524 ppbv m
RT: 16.478 min Scan# 4315
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

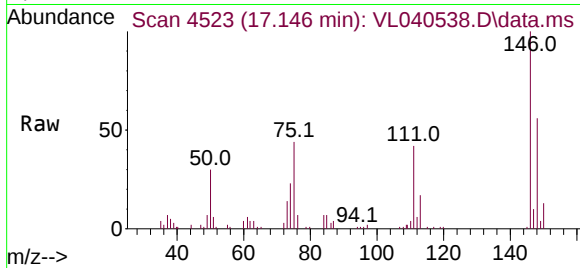
Tgt Ion:146 Resp: 88677
Ion Ratio Lower Upper
146 100
111 45.8 22.8 68.3
148 61.3 32.6 97.8





#77
1,2-Dichlorobenzene
Concen: 0.501 ppbv
RT: 17.146 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

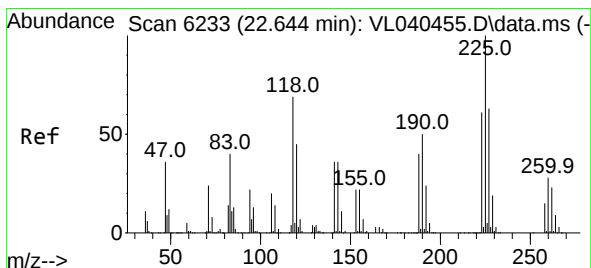
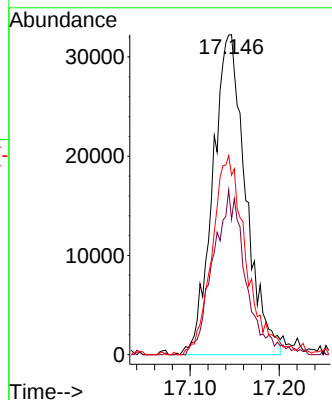
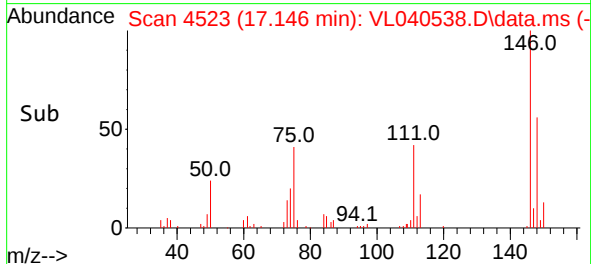
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



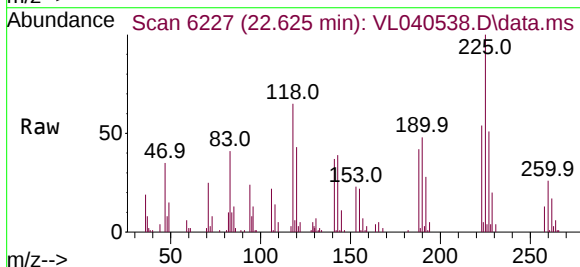
Tgt Ion:146 Resp: 82608
Ion Ratio Lower Upper
146 100
111 51.3 24.3 72.8
148 65.3 32.1 96.3

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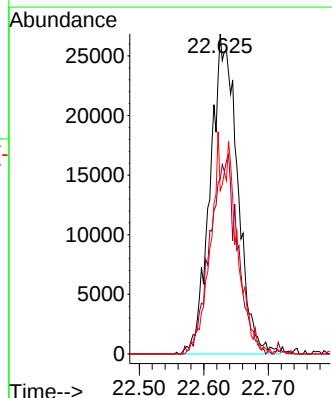
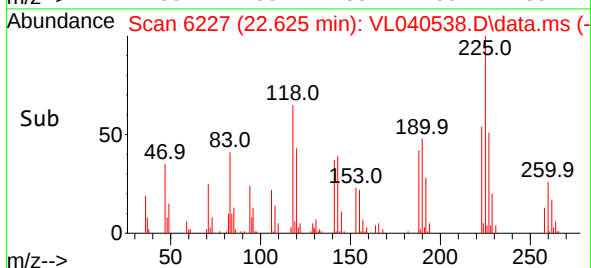
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

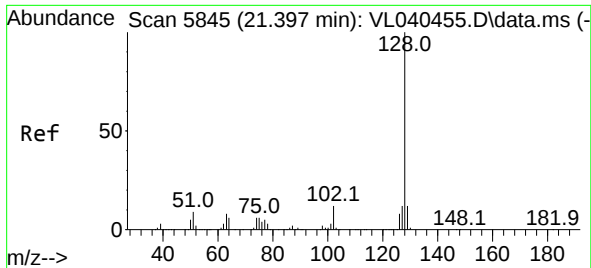


#78
Hexachloro-1,3-Butadiene
Concen: 0.508 ppbv m
RT: 22.625 min Scan# 6227
Delta R.T. -0.022 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40



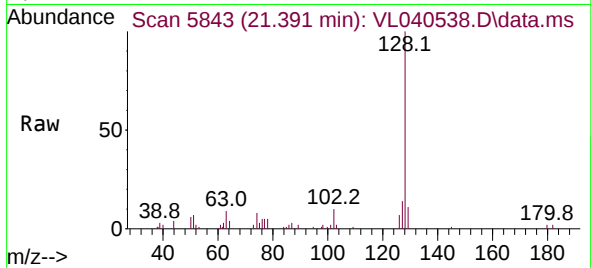
Tgt Ion:225 Resp: 78713
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 63.1 51.0 76.6





#79
Naphthalene
Concen: 0.349 ppbv m
RT: 21.391 min Scan# 5843
Delta R.T. -0.003 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

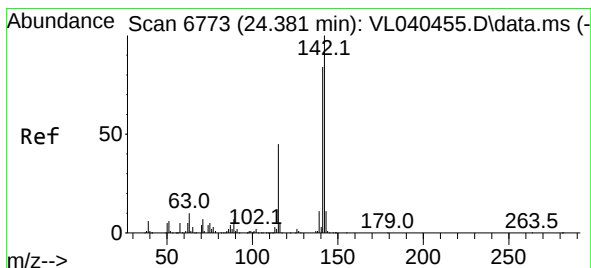
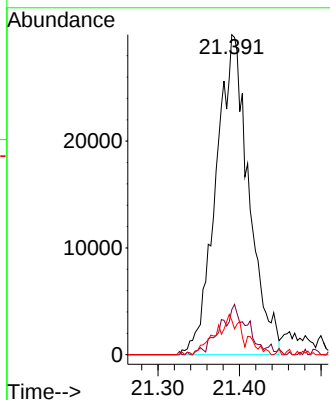
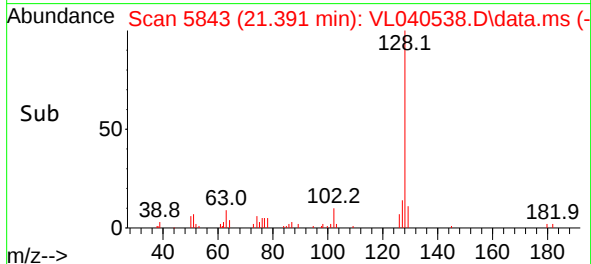
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2023



Tgt Ion:128 Resp: 83964
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 10.7 9.2 13.8

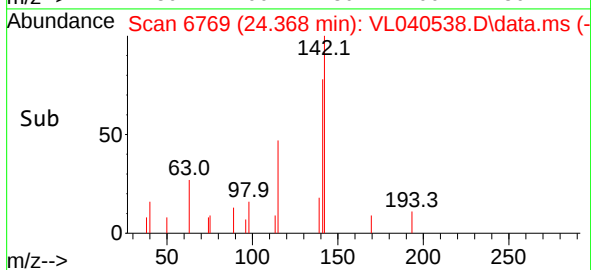
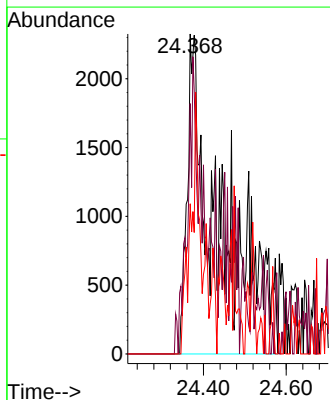
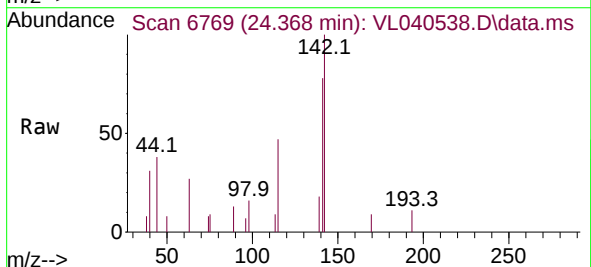
Manual Integrations
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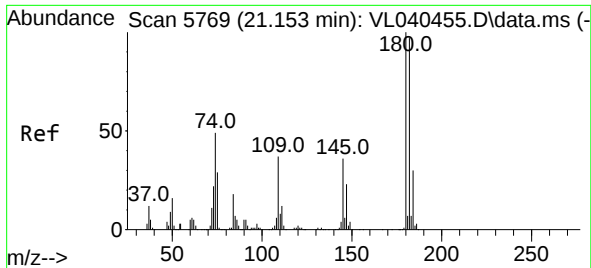
Reviewed By :Semsettin Yesilyurt 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#80
Naphthalene,2-methyl-
Concen: 0.126 ppbv m
RT: 24.368 min Scan# 6769
Delta R.T. -0.010 min
Lab File: VL040538.D
Acq: 14 Jul 2023 22:40

Tgt Ion:142 Resp: 12522
Ion Ratio Lower Upper
142 100
141 36.7 66.7 100.1#
115 30.0 33.0 49.6#





#81

1,2,4-Trichlorobenzene

Concen: 0.384 ppbv m

RT: 21.140 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040538.D

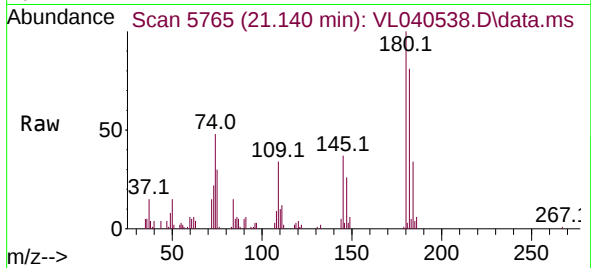
Acq: 14 Jul 2023 22:40

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2023



Tgt Ion:180 Resp: 63769

Ion Ratio Lower Upper

180 100

182 0.0 77.5 116.3

184 0.0 24.5 36.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023

