

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060523\
 Data File : VL040458.D
 Acq On : 5 Jun 2023 16:05
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 05:58:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 05:55:55 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1042211	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2632641	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2292614	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1922382 10.160 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	117785	0.519	ppbv	97
3) Chlorodifluoromethane	2.664	51	89995	0.527	ppbv	98
4) Chloromethane	2.803	50	35700	0.540	ppbv	93
5) Vinyl Chloride	2.909	62	34956	0.517	ppbv	91
6) Bromomethane	3.111	94	17565	0.509	ppbv	98
7) Chloroethane	3.189	64	13665m	0.552	ppbv	
8) Dichlorotetrafluoroethane	2.841	85	91339	0.510	ppbv	95
9) Propene	2.684	41	29262	0.556	ppbv	95
10) Heptane	7.581	43	52574m	0.441	ppbv	
11) Trichlorofluoromethane	3.555	101	97816	0.530	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	64444	0.499	ppbv	92
13) Ethanol	3.243	45	4983m	0.487	ppbv	
14) Bromoethene	3.359	108	28044	0.520	ppbv #	96
15) Acetone	3.468	43	68101	0.542	ppbv #	89
16) 1,3-Butadiene	2.976	39	32222m	0.523	ppbv	
17) tert-Butyl alcohol	3.883	59	57189m	0.545	ppbv	
18) 1,1-Dichloroethene	3.873	96	27222	0.474	ppbv	85
19) Isopropyl Alcohol	3.581	45	32098	0.530	ppbv #	94
20) Methylene Chloride	3.928	84	30405	0.558	ppbv	97
21) Allyl Chloride	3.992	41	35594	0.501	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	28679	0.486	ppbv	90
23) Vinyl Acetate	4.626	43	56635	0.463	ppbv #	96
24) 1,1-Dichloroethane	4.558	63	62767	0.510	ppbv #	95
25) Ethyl Acetate	5.211	43	112452	0.494	ppbv	98
26) Hexane	5.208	57	53607	0.497	ppbv	92
27) Carbon Disulfide	4.118	76	62010	0.460	ppbv #	87
28) Methyl tert-Butyl Ether	4.590	73	41122	0.486	ppbv	92
29) Chloroform	5.269	83	94951	0.517	ppbv	97
30) Cyclohexane	6.606	84	47032m	0.586	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	48557	0.471	ppbv	90
32) 1,1,1-Trichloroethane	5.999	97	94666	0.517	ppbv	99
34) 2-Butanone	4.793	43	63518	0.500	ppbv	95
35) Carbon Tetrachloride	6.494	117	91528	0.506	ppbv	95
36) Benzene	6.375	78	99583m	0.475	ppbv	
37) 1,2-Dichloroethane	5.806	62	66485	0.487	ppbv	100
38) Trichloroethene	7.288	130	38696m	0.481	ppbv	
39) 1,2-Dichloropropane	7.079	63	42472m	0.520	ppbv	
40) 1,4-Dioxane	7.327	88	11600m	0.519	ppbv	
41) Tetrahydrofuran	5.581	42	32256m	0.468	ppbv	
42) Bromodichloromethane	7.249	83	87333	0.465	ppbv	95
43) Methyl Methacrylate	7.487	69	31287m	0.416	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	152937	0.447	ppbv	93
45) t-1,3-Dichloropropene	8.712	75	21112m	0.379	ppbv	

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Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 05:58:29 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

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

QLast Update : Tue Jun 06 05:55:55 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	26789m	0.398	ppbv	
47) 1,1,2-Trichloroethane	8.899	97	44361m	0.500	ppbv	
48) Dibromochloromethane	9.719	129	60137	0.424	ppbv	98
49) Bromoform	12.416	173	44115m	0.412	ppbv	
50) 4-Methyl-2-Pentanone	8.211	43	74240m	0.439	ppbv	
51) 2-Hexanone	9.584	43	47349m	0.404	ppbv	
52) Tetrachloroethene	10.622	164	31642	0.481	ppbv	92
53) Toluene	9.227	91	88160	0.400	ppbv	96
54) 1,2-Dibromoethane	10.015	107	53357	0.458	ppbv	86
56) 1,1,1,2-Tetrachloroethane	11.510	131	55899m	0.519	ppbv	
57) Chlorobenzene	11.532	112	90715	0.523	ppbv #	93
58) Ethyl Benzene	12.105	91	113927m	0.410	ppbv	
59) m/p-Xylene	12.381	91	225083m	0.884	ppbv	
60) o-Xylene	13.069	91	101351	0.419	ppbv	98
61) Styrene	12.912	104	34218m	0.328	ppbv	
62) Isopropylbenzene	14.050	105	167115m	0.464	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.063	83	78260	0.492	ppbv	96
64) n-propylbenzene	14.931	120	41554m	0.493	ppbv	
65) tert-Butylbenzene	16.108	119	131351	0.422	ppbv	92
66) Benzyl Chloride	16.342	91	10937m	0.473	ppbv	
67) sec-Butylbenzene	16.654	105	201330	0.447	ppbv	98
69) p-Isopropyltoluene	17.014	119	149580m	0.418	ppbv	
70) n-Butylbenzene	17.902	91	169400m	0.424	ppbv	
71) 2-Chlorotoluene	14.809	91	113765	0.426	ppbv	99
72) 4-Ethyltoluene	15.207	105	113786	0.417	ppbv	96
73) 1,3,5-Trimethylbenzene	15.365	105	97847	0.406	ppbv #	83
74) 1,2,4-Trimethylbenzene	16.121	105	127808	0.451	ppbv	94
75) 1,3-Dichlorobenzene	16.346	146	76165m	0.480	ppbv	
76) 1,4-Dichlorobenzene	16.493	146	74258m	0.472	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	74744m	0.491	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	62138m	0.534	ppbv	
79) Naphthalene	21.410	128	60996m	0.375	ppbv	
80) Naphthalene,2-methyl-	24.397	142	12437m	0.272	ppbv	
81) 1,2,4-Trichlorobenzene	21.156	180	45951m	0.408	ppbv	

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

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Instrument :
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Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

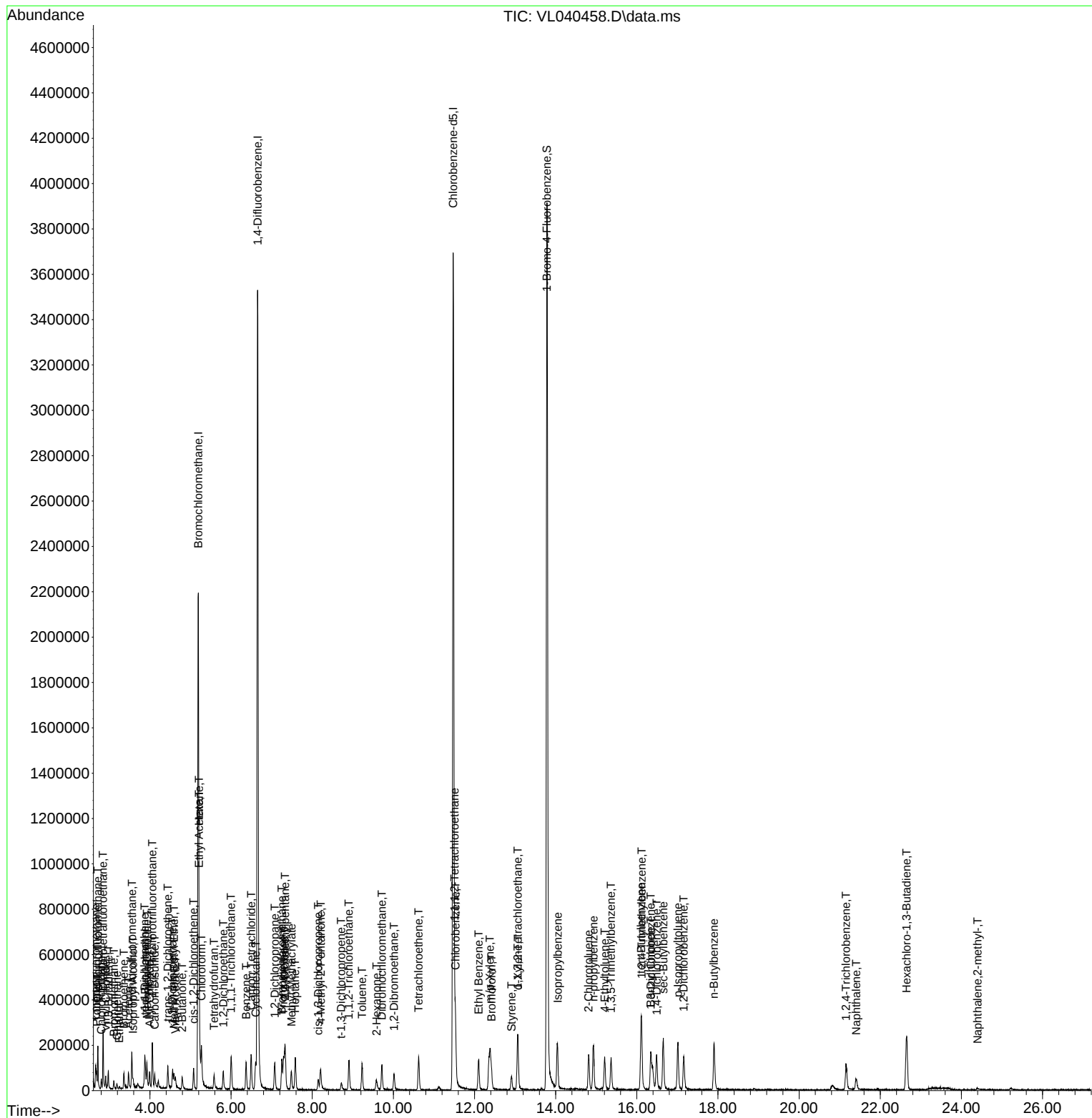
Quant Time: Jun 06 05:58:29 2023

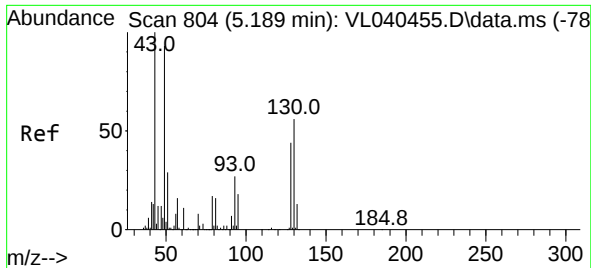
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Tue Jun 06 05:55:55 2023

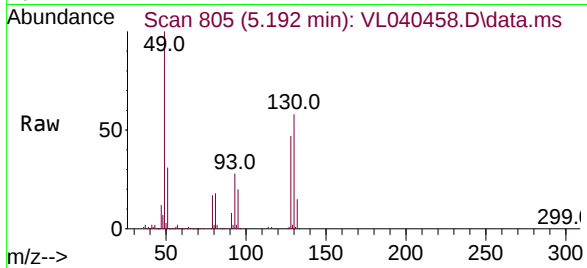
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

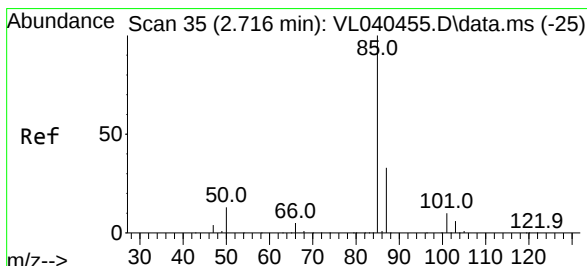
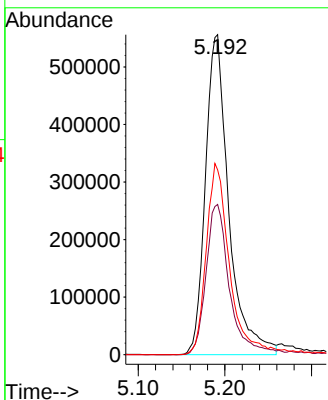
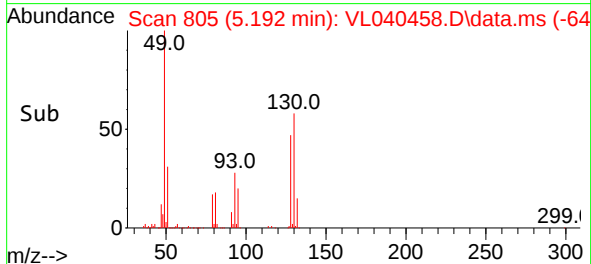
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



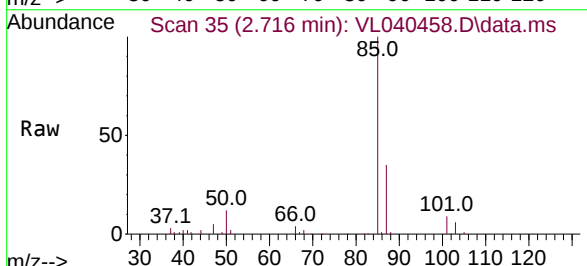
Tgt Ion: 49 Resp: 104221
Ion Ratio Lower Upper
49 100
128 48.5 24.7 74.1
130 61.3 31.4 94.2

Manual Integrations
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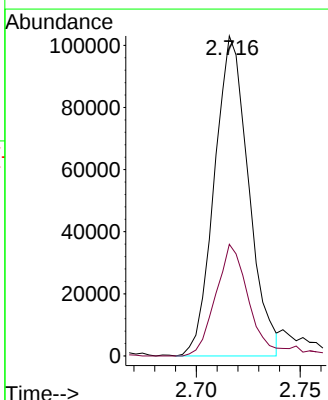
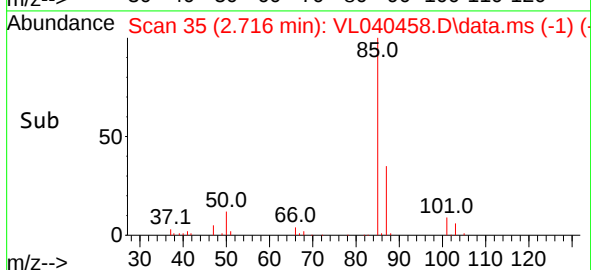
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

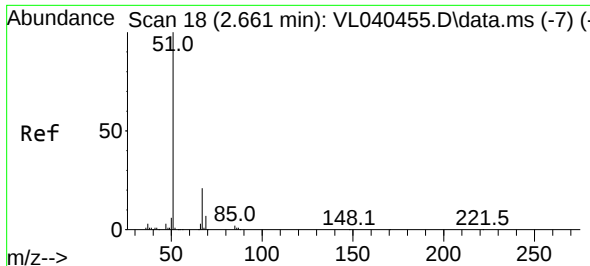


#2
Dichlorodifluoromethane
Concen: 0.519 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



Tgt Ion: 85 Resp: 117785
Ion Ratio Lower Upper
85 100
87 34.9 26.6 39.8





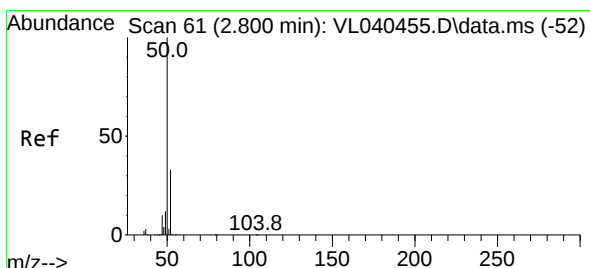
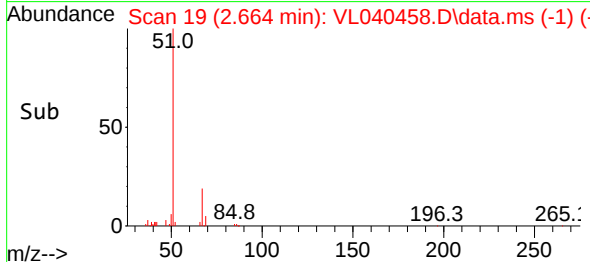
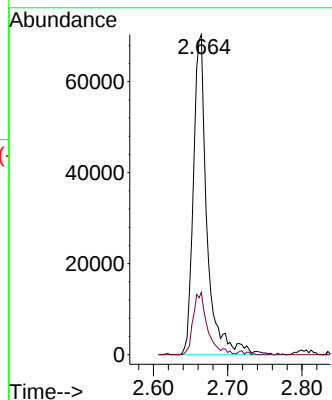
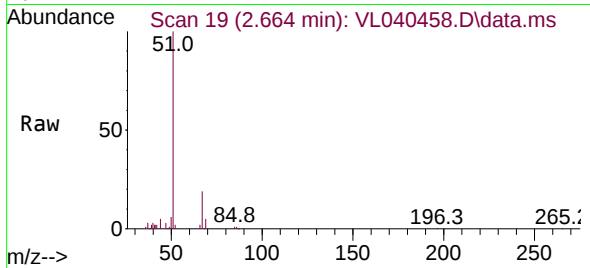
#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.664 min Scan# 19
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 51 Resp: 8999
Ion Ratio Lower Upper
51 100
67 21.2 16.3 24.5

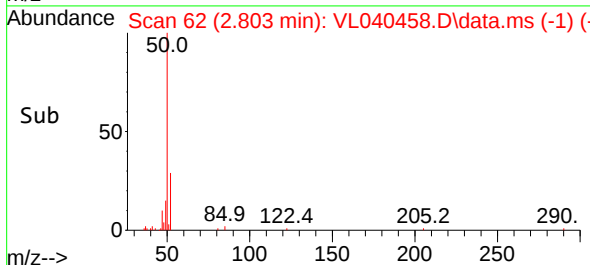
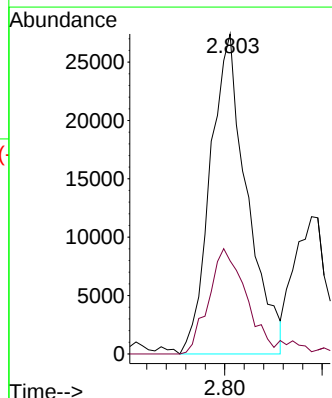
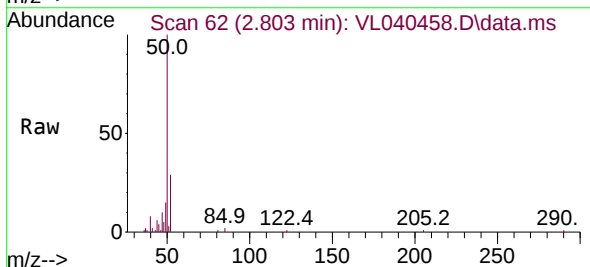
Manual Integrations
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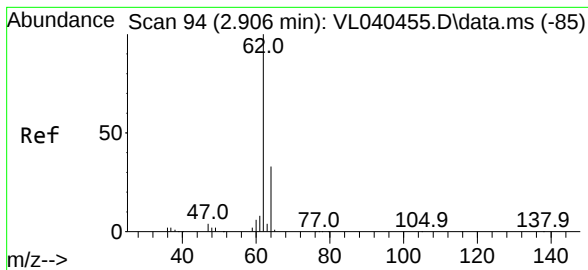
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#4
Chloromethane
Concen: 0.540 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

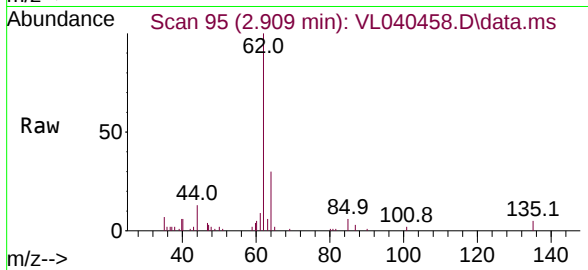
Tgt Ion: 50 Resp: 35700
Ion Ratio Lower Upper
50 100
52 29.1 26.3 39.5





#5
 Vinyl Chloride
 Concen: 0.517 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

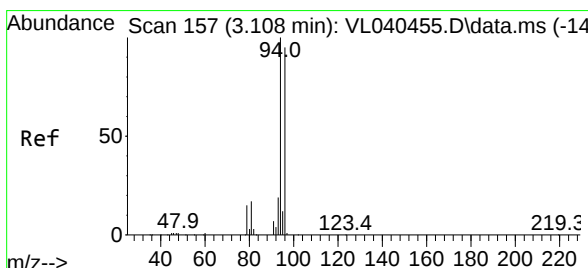
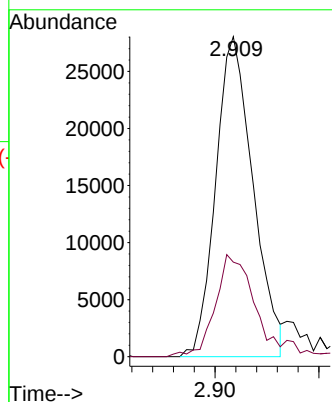
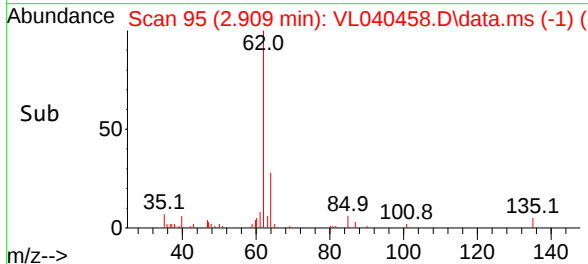
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



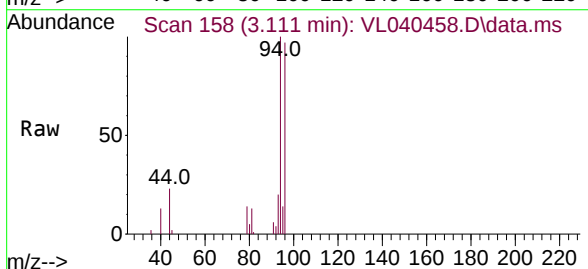
Tgt Ion: 62 Resp: 34950
 Ion Ratio Lower Upper
 62 100
 64 28.1 26.8 40.2

Manual Integrations
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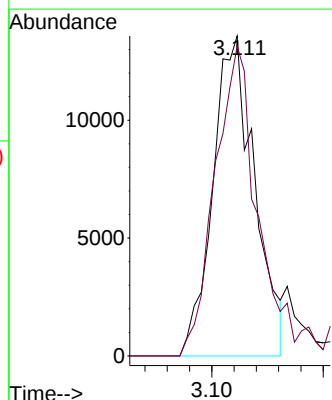
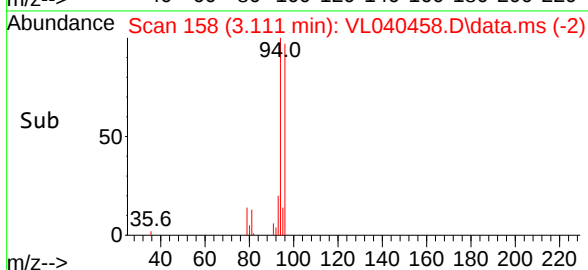
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

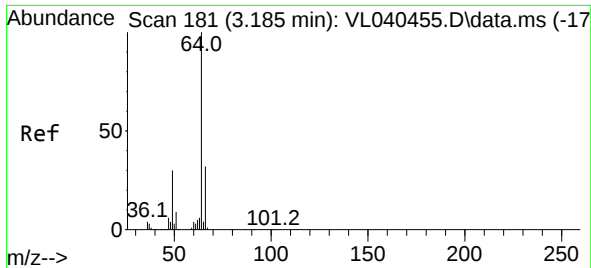


#6
 Bromomethane
 Concen: 0.509 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05



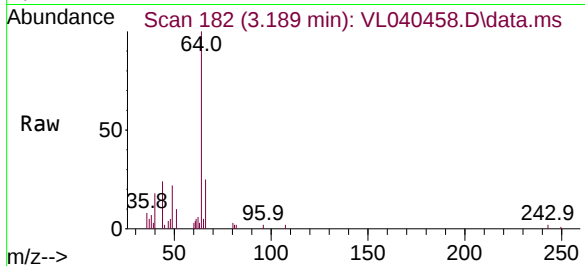
Tgt Ion: 94 Resp: 17565
 Ion Ratio Lower Upper
 94 100
 96 96.8 75.8 113.8





#7
Chloroethane
Concen: 0.552 ppbv m
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

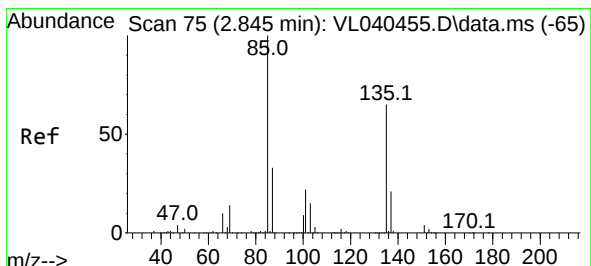
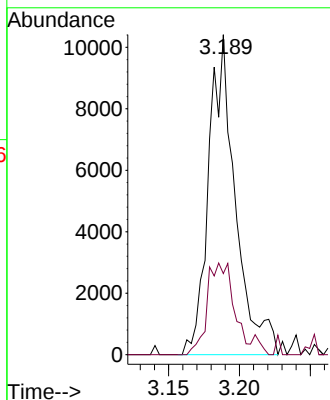
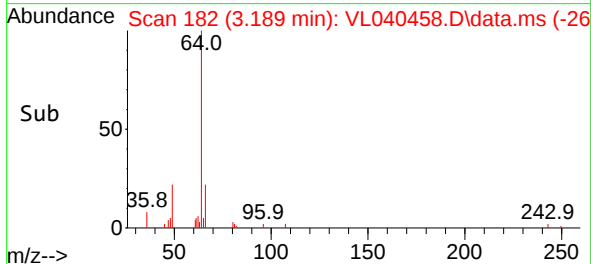
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 64 Resp: 1366
Ion Ratio Lower Upper
64 100
66 25.3 25.6 38.4

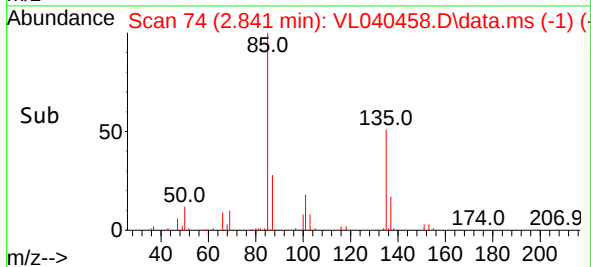
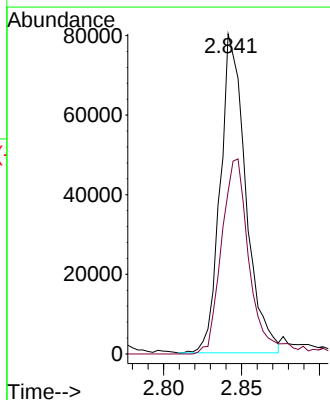
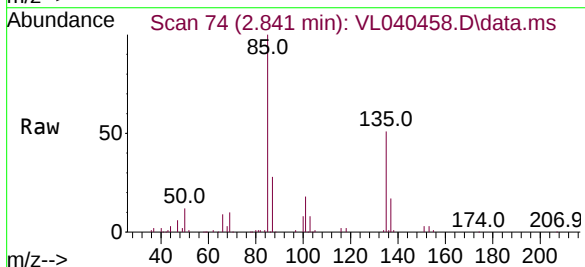
Manual Integrations
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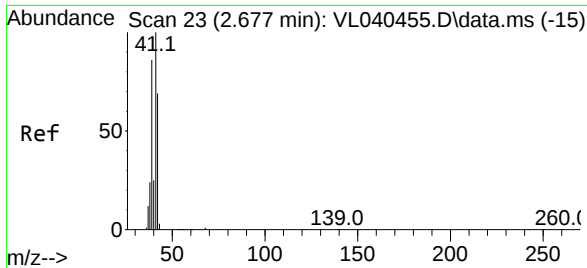
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#8
Dichlorotetrafluoroethane
Concen: 0.510 ppbv
RT: 2.841 min Scan# 74
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

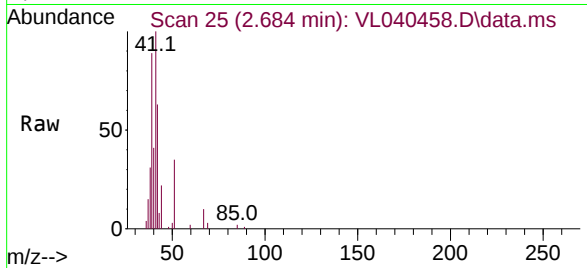
Tgt Ion: 85 Resp: 91339
Ion Ratio Lower Upper
85 100
135 69.2 52.0 78.0





#9
 Propene
 Concen: 0.556 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

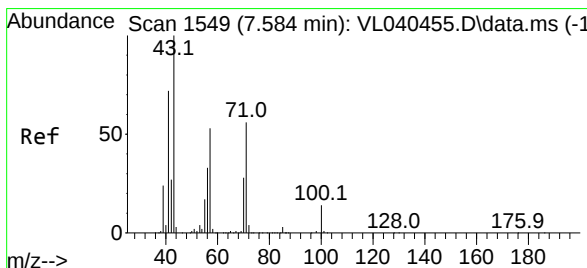
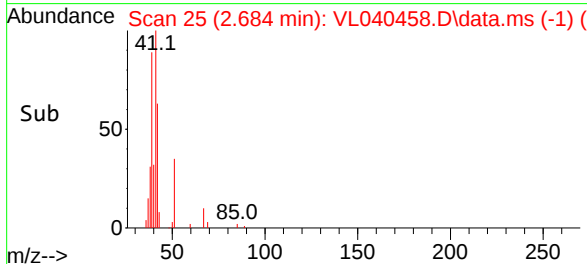
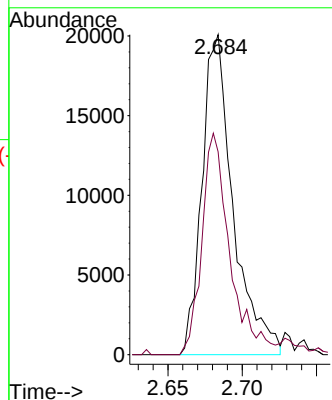
Instrument :
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Tgt Ion: 41 Resp: 2926
 Ion Ratio Lower Upper
 41 100
 42 66.1 56.2 84.2

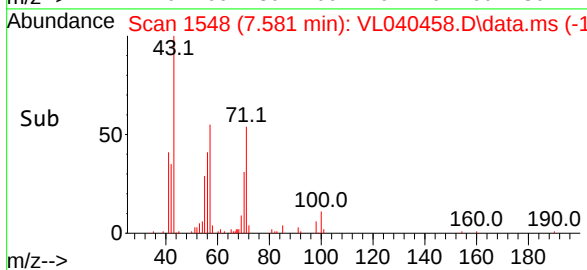
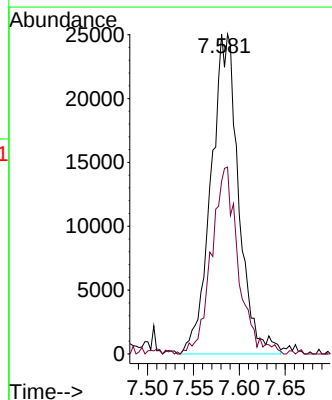
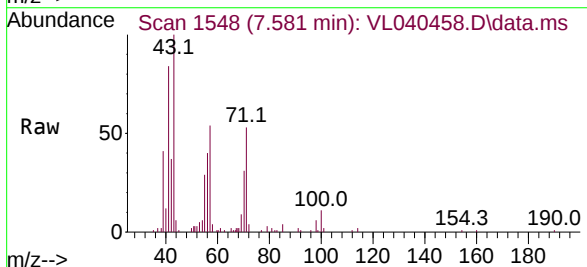
Manual Integrations
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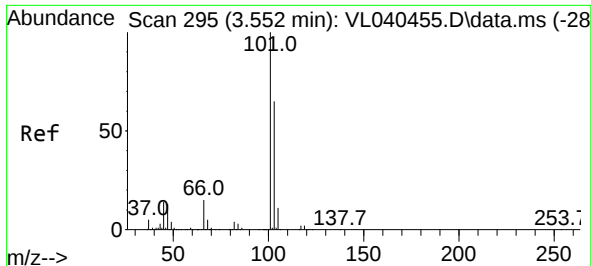
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#10
 Heptane
 Concen: 0.441 ppbv m
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

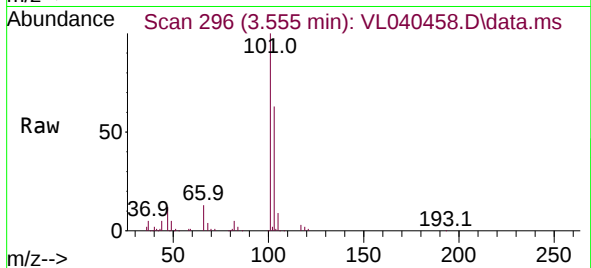
Tgt Ion: 43 Resp: 52574
 Ion Ratio Lower Upper
 43 100
 57 54.6 42.5 63.7





#11
 Trichlorofluoromethane
 Concen: 0.530 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

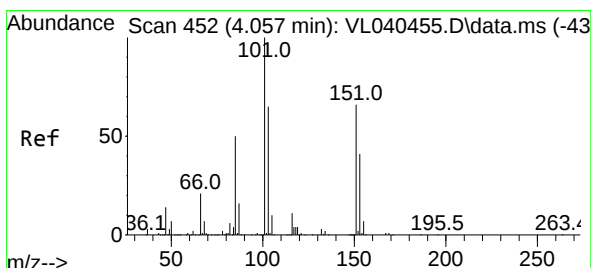
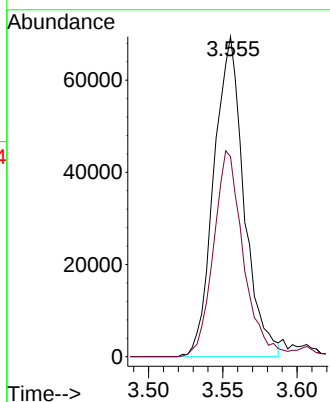
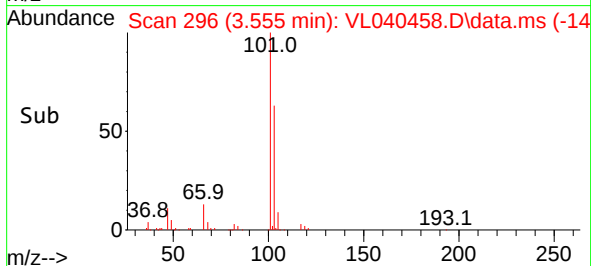
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



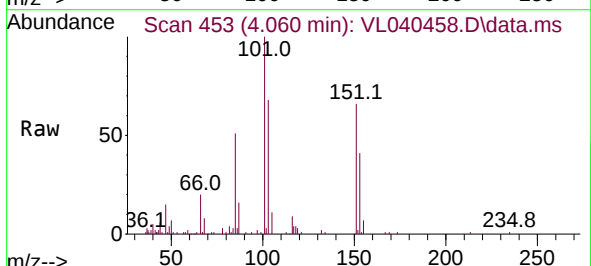
Tgt Ion:101 Resp: 97810
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.7 77.5

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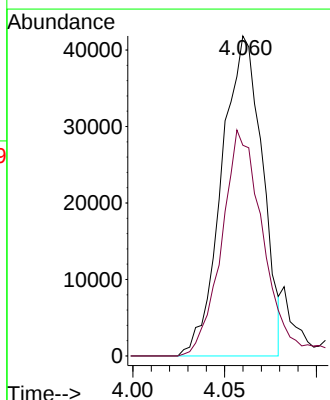
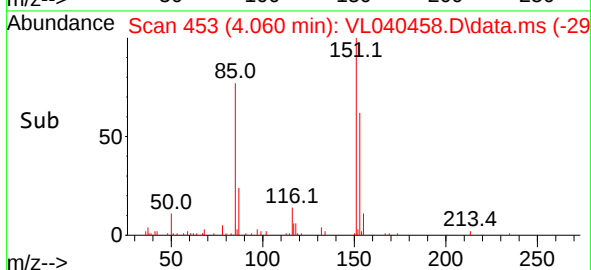
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023

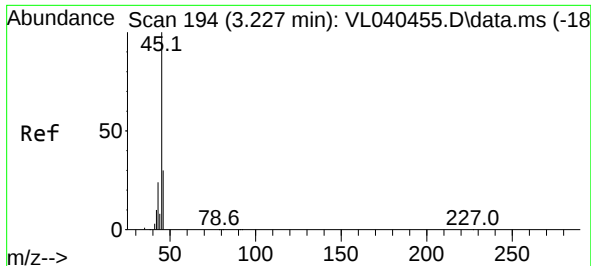


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.499 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05



Tgt Ion:101 Resp: 64444
 Ion Ratio Lower Upper
 101 100
 151 74.2 54.3 81.5





#13

Ethanol

Concen: 0.487 ppbv m

RT: 3.243 min Scan# 194

Delta R.T. 0.016 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 45 Resp: 498

Ion Ratio Lower Upper

45 100

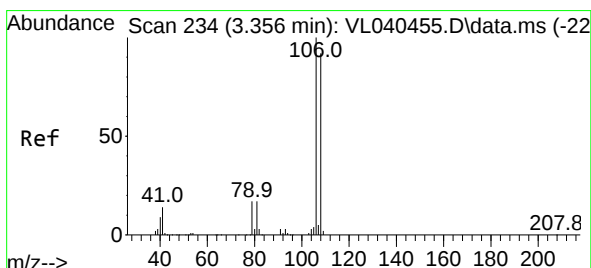
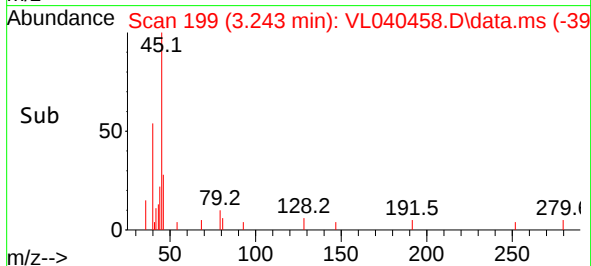
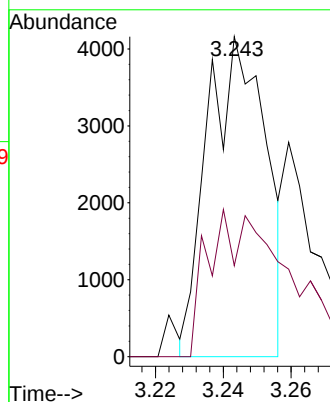
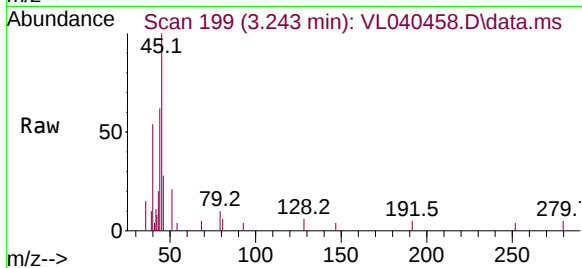
46 2.5 14.5 58.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#14

Bromoethene

Concen: 0.520 ppbv

RT: 3.359 min Scan# 235

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

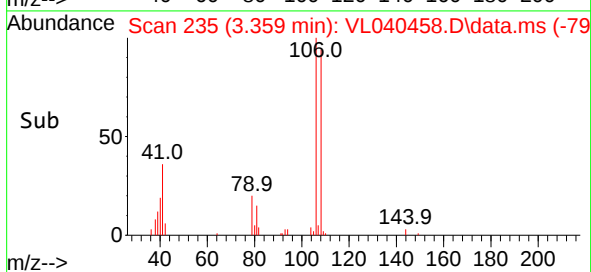
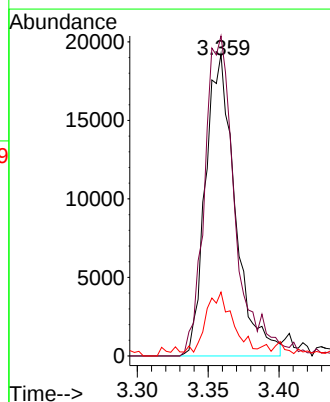
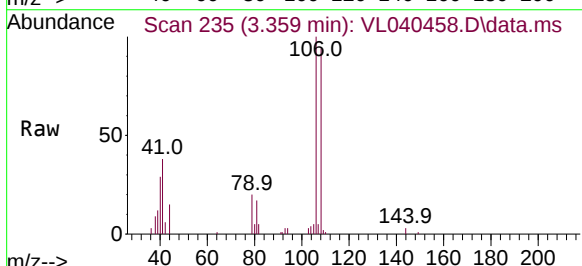
Tgt Ion:108 Resp: 28044

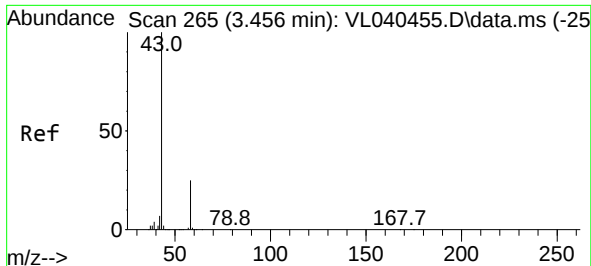
Ion Ratio Lower Upper

108 100

106 111.3 87.4 131.0

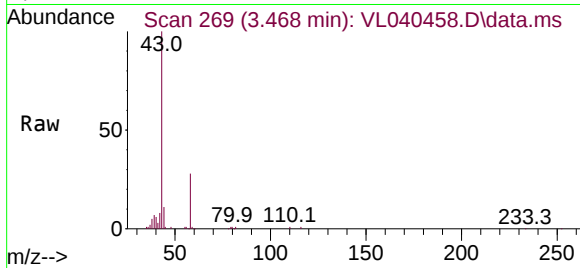
79 25.5 15.9 23.9





#15
Acetone
Concen: 0.542 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.013 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

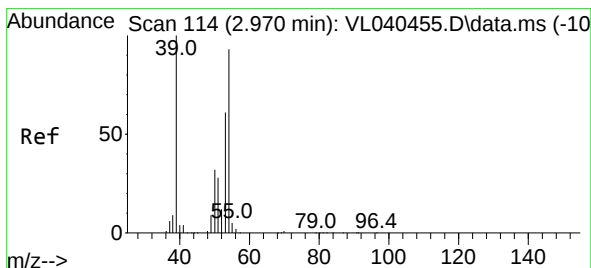
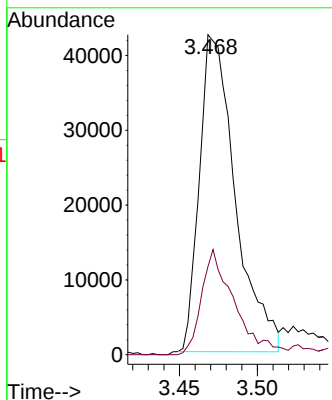
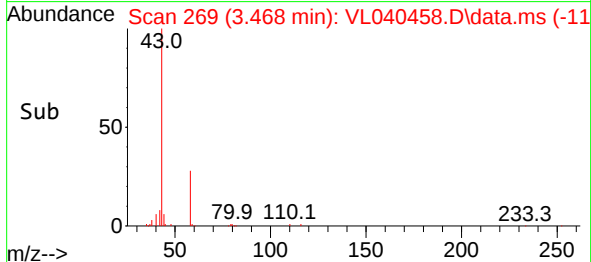
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



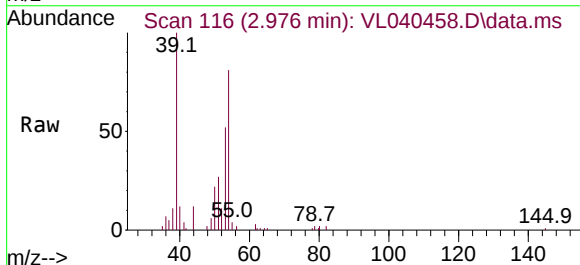
Tgt Ion: 43 Resp: 6810
Ion Ratio Lower Upper
43 100
58 32.9 21.6 32.4

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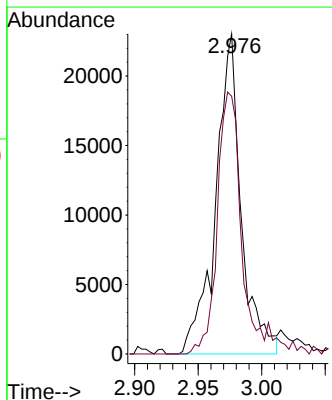
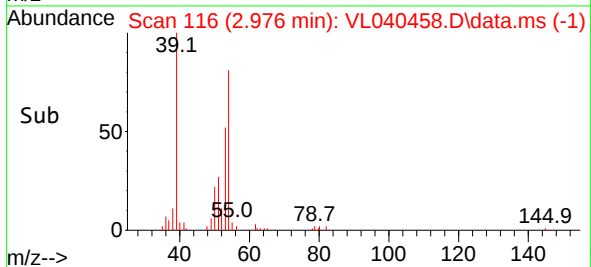
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

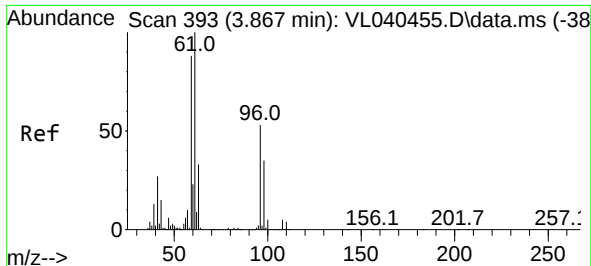


#16
1,3-Butadiene
Concen: 0.523 ppbv m
RT: 2.976 min Scan# 116
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



Tgt Ion: 39 Resp: 32222
Ion Ratio Lower Upper
39 100
54 79.5 66.9 100.3





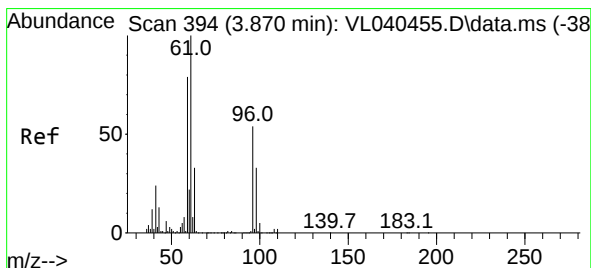
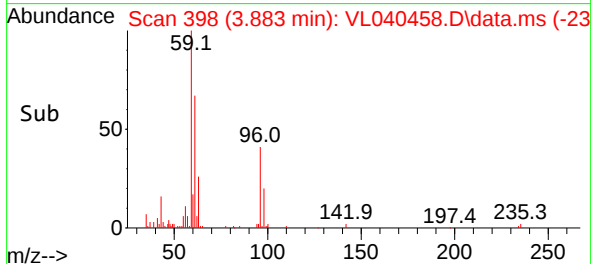
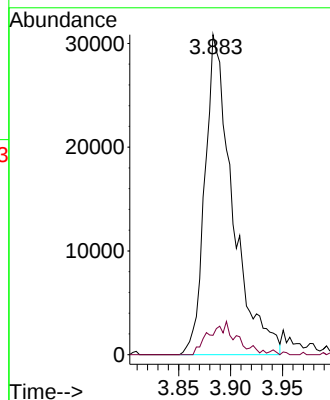
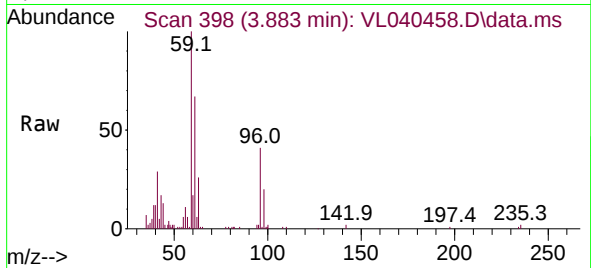
#17
tert-Butyl alcohol
Concen: 0.545 ppbv m
RT: 3.883 min Scan# 398
Delta R.T. 0.016 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 59 Resp: 57189
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2

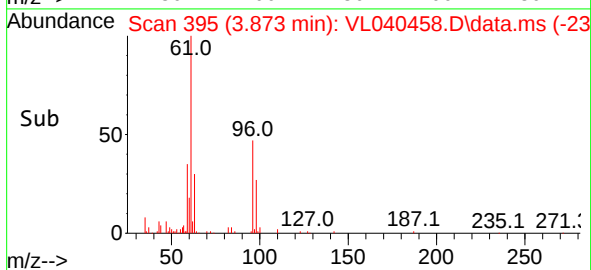
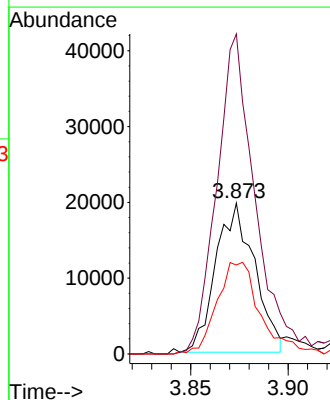
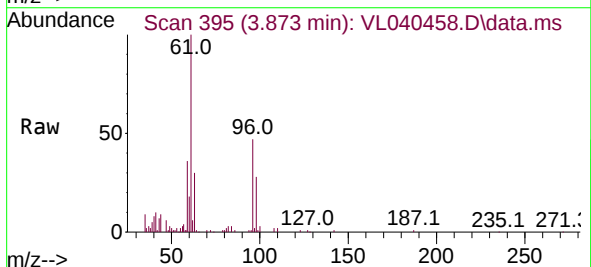
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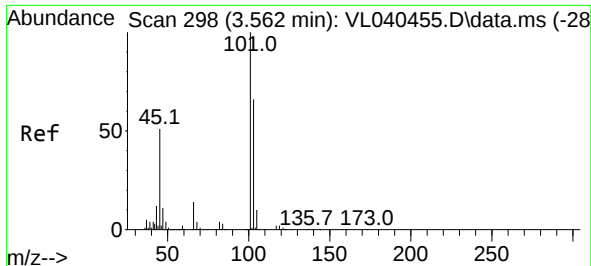
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#18
1,1-Dichloroethene
Concen: 0.474 ppbv
RT: 3.873 min Scan# 395
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 96 Resp: 27222
Ion Ratio Lower Upper
96 100
61 213.5 149.5 224.3
98 58.0 48.7 73.1





#19

Isopropyl Alcohol

Concen: 0.530 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.019 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

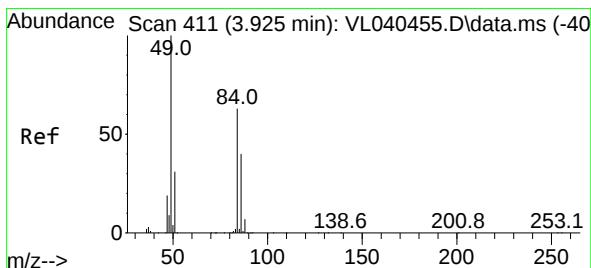
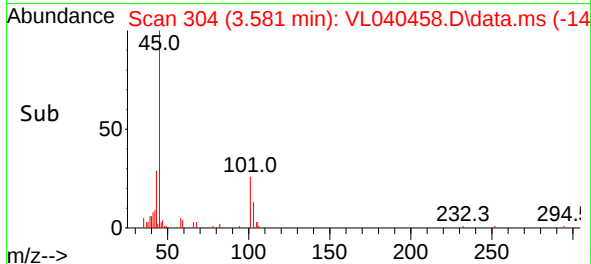
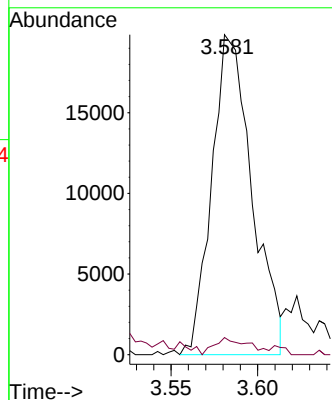
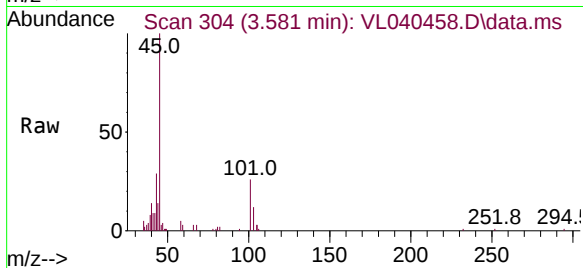
VSTDICC0.5

Tgt Ion: 45 Resp: 32098
 Ion Ratio Lower Upper
 45 100
 58 5.3 2.6 4.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#20

Methylene Chloride

Concen: 0.558 ppbv

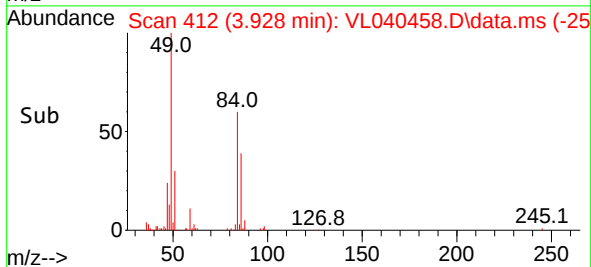
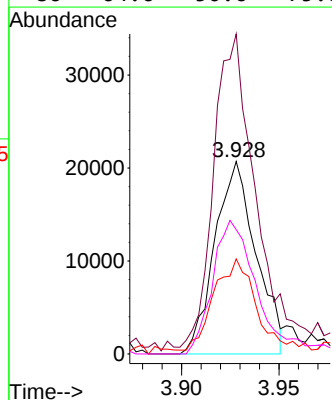
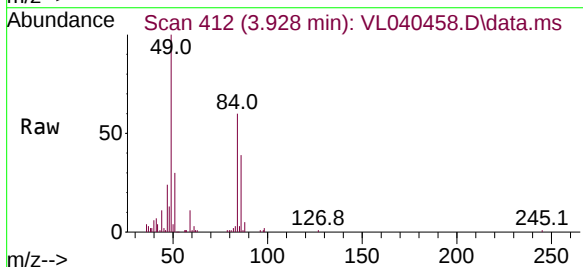
RT: 3.928 min Scan# 412

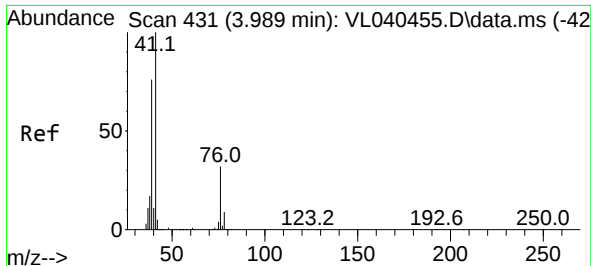
Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion: 84 Resp: 30405
 Ion Ratio Lower Upper
 84 100
 49 162.8 126.2 189.2
 51 47.4 38.7 58.1
 86 64.6 50.6 75.8





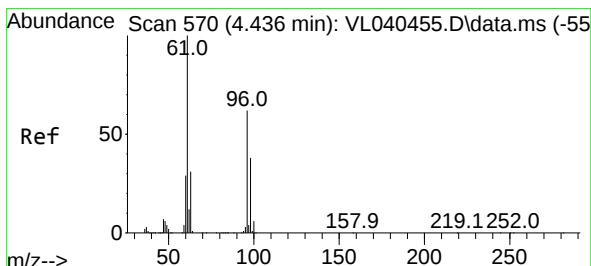
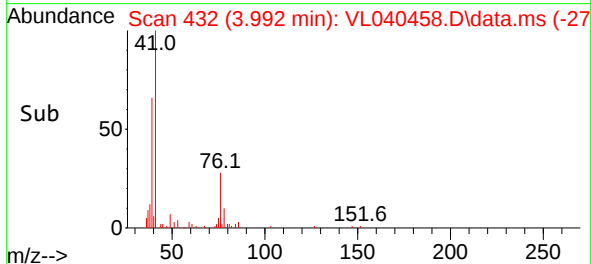
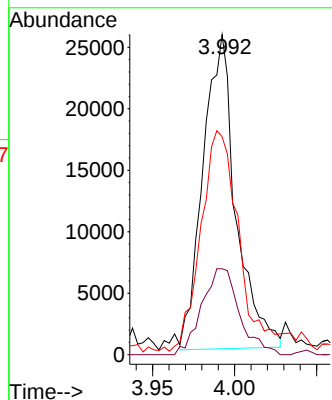
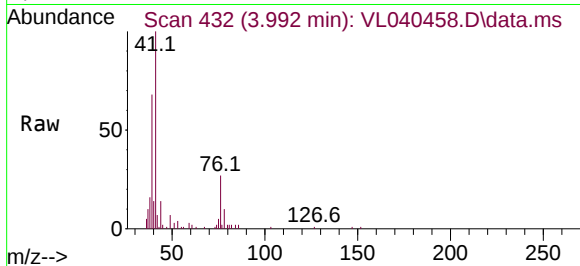
#21
 Allyl Chloride
 Concen: 0.501 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 41 Resp: 35594
 Ion Ratio Lower Upper
 41 100
 76 31.8 26.1 39.1
 39 86.0 63.9 95.9

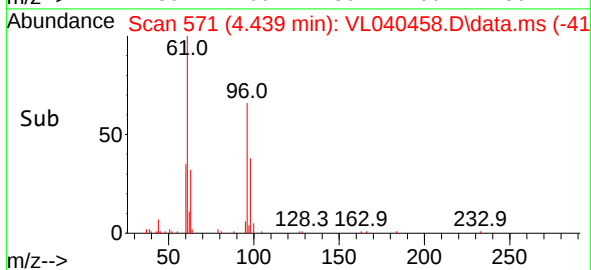
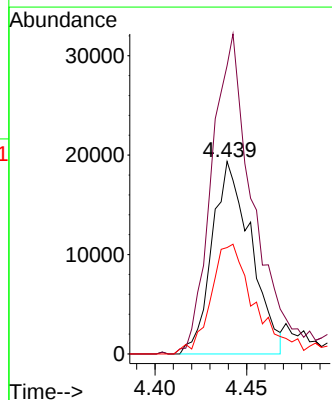
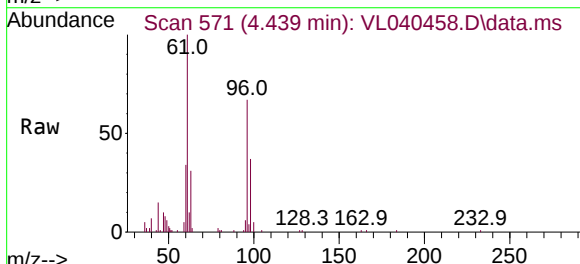
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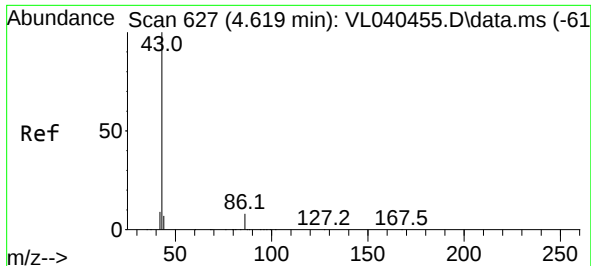
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#22
 trans-1,2-Dichloroethene
 Concen: 0.486 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 96 Resp: 28679
 Ion Ratio Lower Upper
 96 100
 61 147.1 128.1 192.1
 98 52.9 48.2 72.4





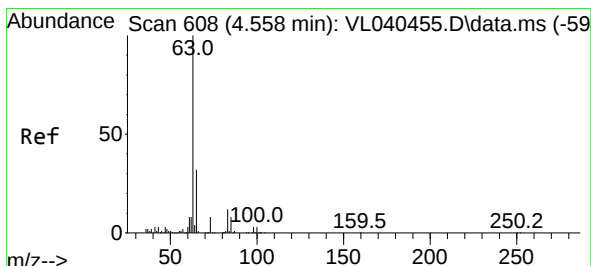
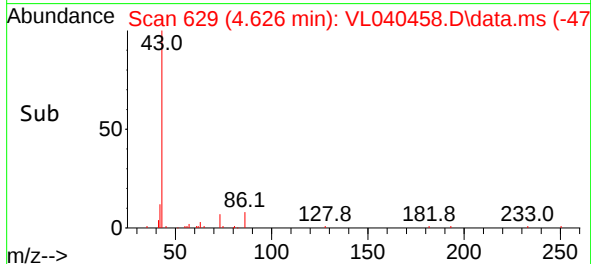
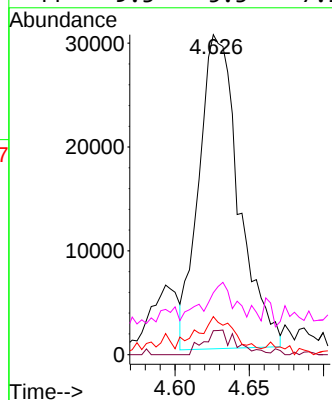
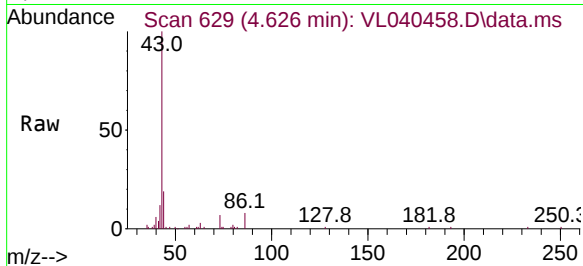
#23
 Vinyl Acetate
 Concen: 0.463 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 5663
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.8 8.6
 42 10.1 7.4 11.2
 44 9.3 5.3 7.9#

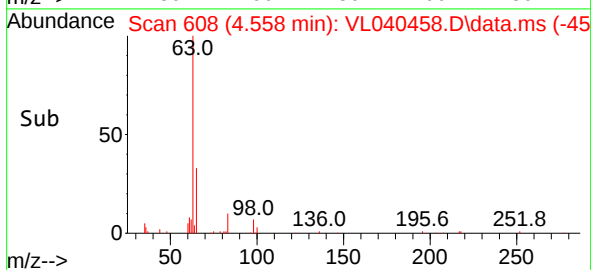
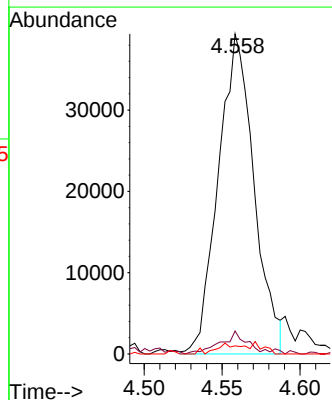
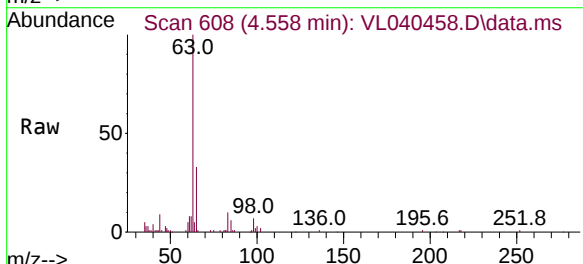
Manual Integrations
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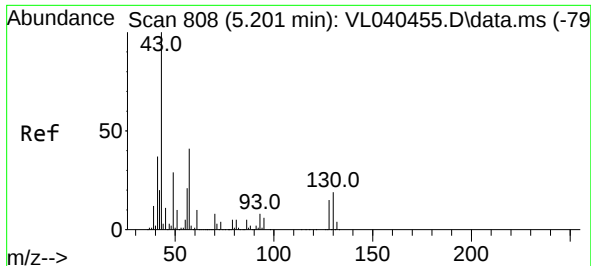
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#24
 1,1-Dichloroethane
 Concen: 0.510 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 63 Resp: 62767
 Ion Ratio Lower Upper
 63 100
 98 6.2 1.8 5.5#
 100 2.5 1.4 4.0





#25

Ethyl Acetate

Concen: 0.494 ppbv

RT: 5.211 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 11245

Ion Ratio Lower Upper

43 100

45 10.8 8.0 12.0

61 11.2 8.1 12.1

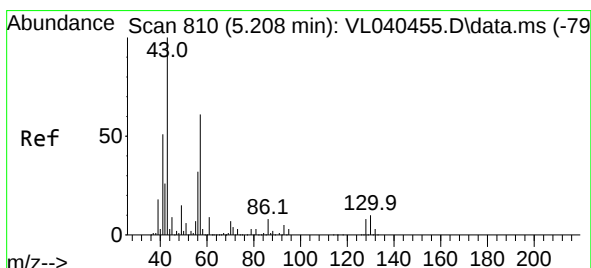
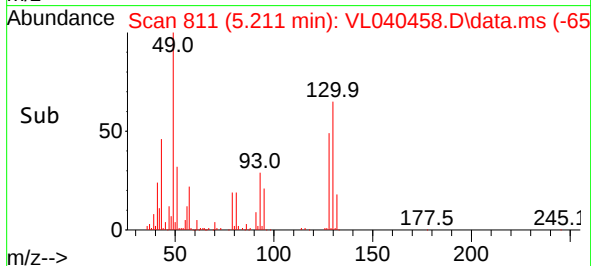
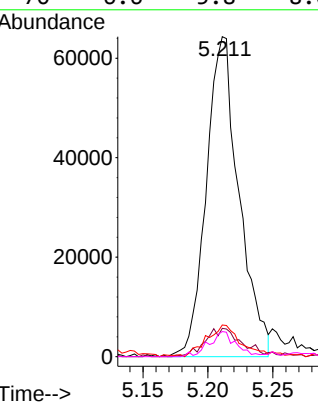
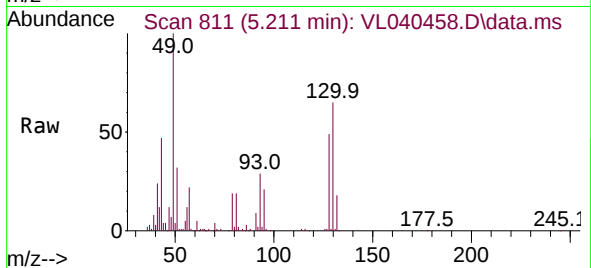
70 6.6 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#26

Hexane

Concen: 0.497 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion: 57 Resp: 53607

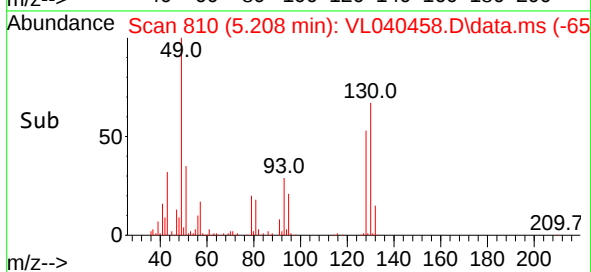
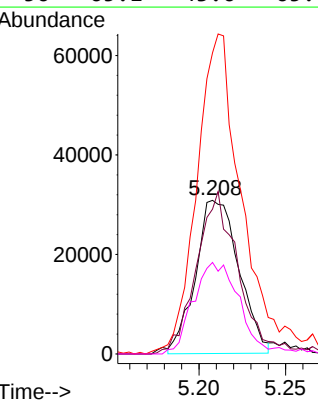
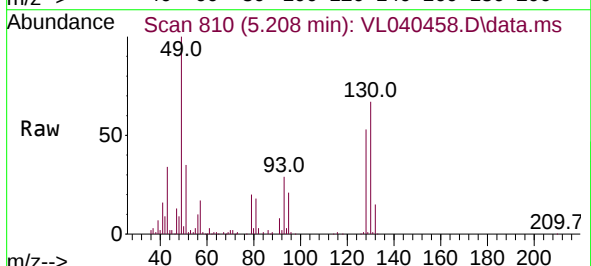
Ion Ratio Lower Upper

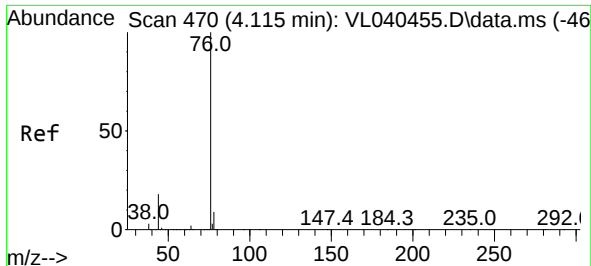
57 100

41 105.6 73.0 109.6

43 228.2 177.5 266.3

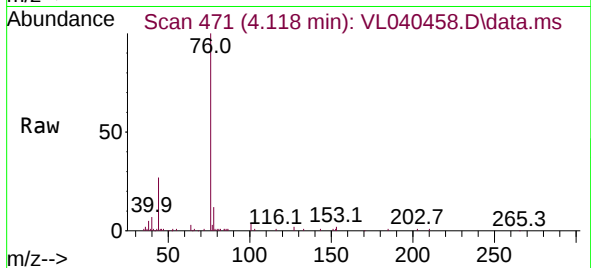
56 65.1 43.6 65.4





#27
Carbon Disulfide
Concen: 0.460 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

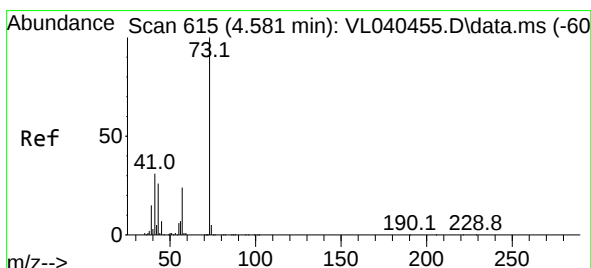
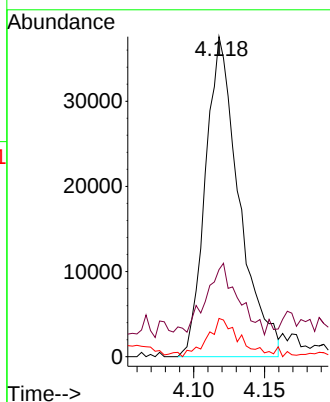
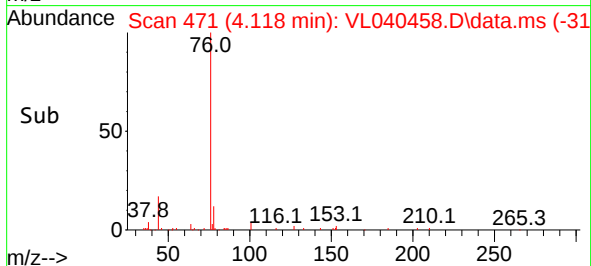
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 76 Resp: 62010
Ion Ratio Lower Upper
76 100
44 24.9 14.6 22.0
78 13.1 7.6 11.4

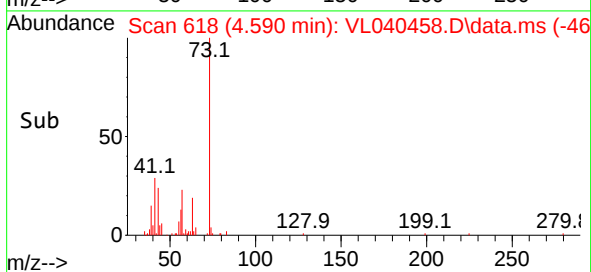
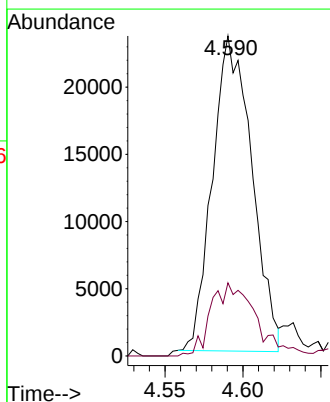
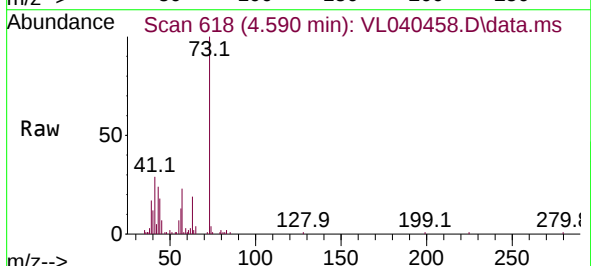
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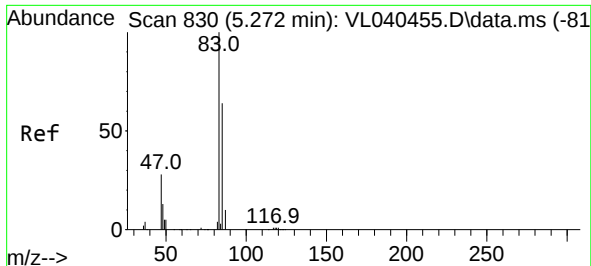
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#28
Methyl tert-Butyl Ether
Concen: 0.486 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 73 Resp: 41122
Ion Ratio Lower Upper
73 100
57 27.7 19.0 28.4





#29

Chloroform

Concen: 0.517 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 83 Resp: 9495

Ion Ratio Lower Upper

83 100

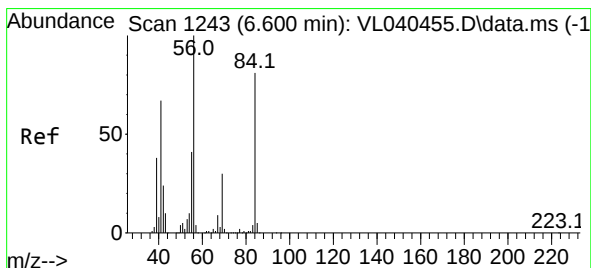
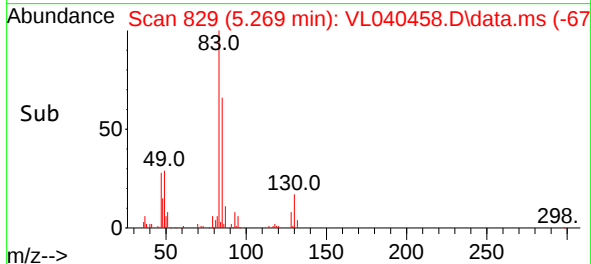
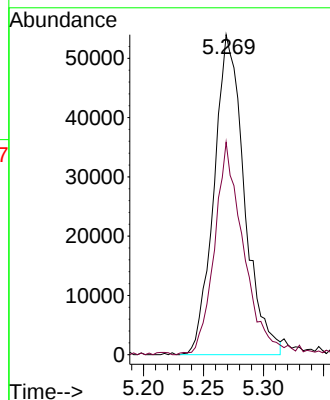
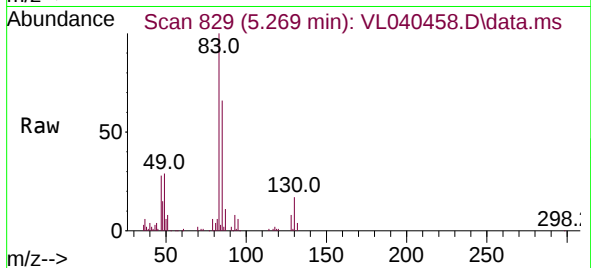
85 65.9 51.1 76.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#30

Cyclohexane

Concen: 0.586 ppbv m

RT: 6.606 min Scan# 1245

Delta R.T. 0.006 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

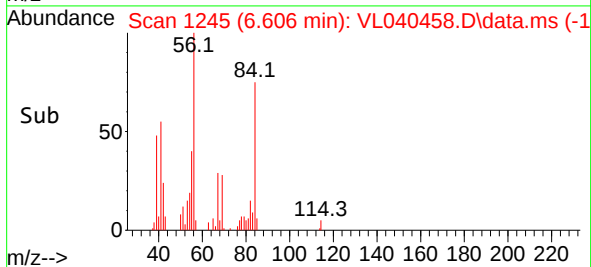
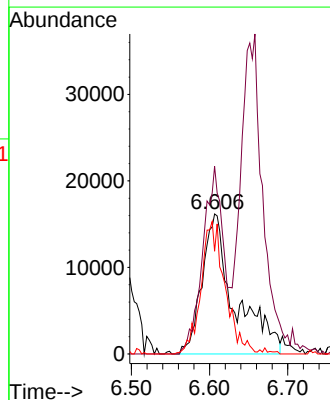
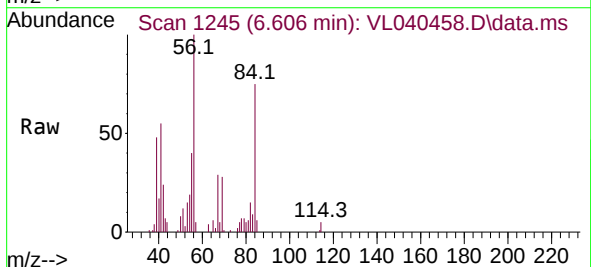
Tgt Ion: 84 Resp: 47032

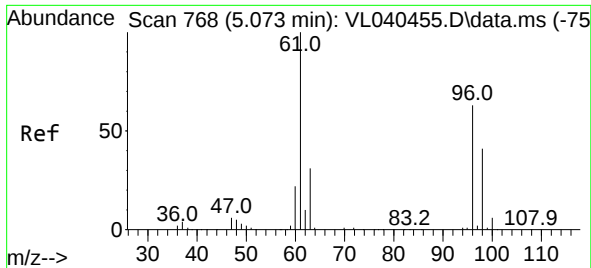
Ion Ratio Lower Upper

84 100

56 84.2 106.0 159.0#

41 70.4 66.8 100.2





#31
 cis-1,2-Dichloroethene
 Concen: 0.471 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. 0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

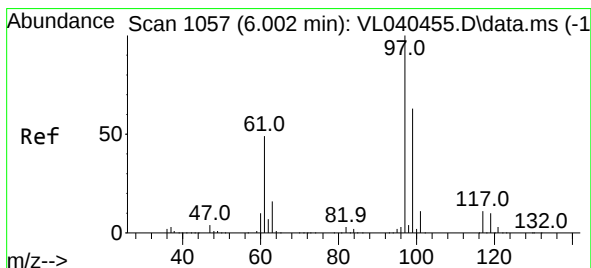
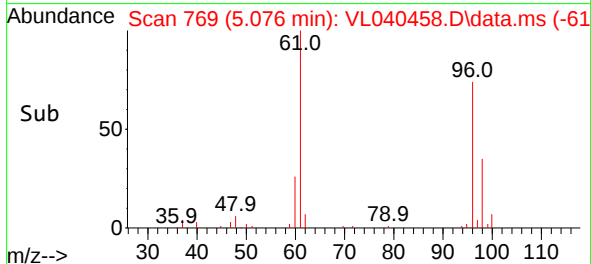
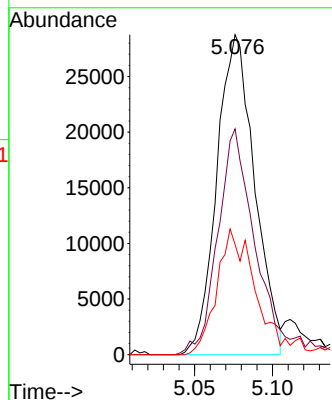
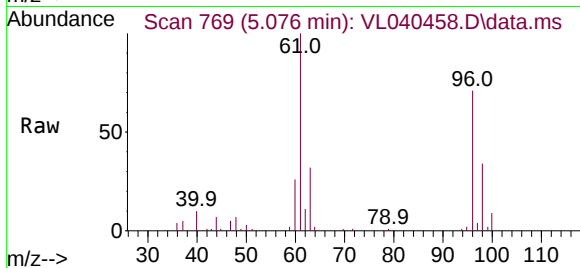
ClientSampleId :

VSTDICC0.5

Tgt Ion: 61 Resp: 4855
 Ion Ratio Lower Upper
 61 100
 96 70.0 50.2 75.4
 98 34.4 32.9 49.3

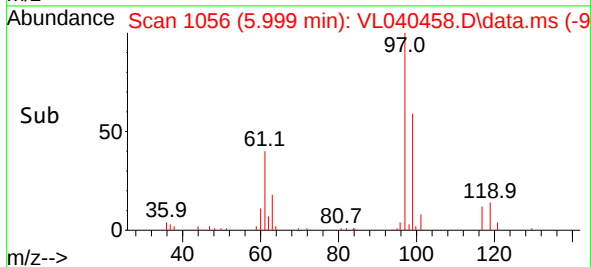
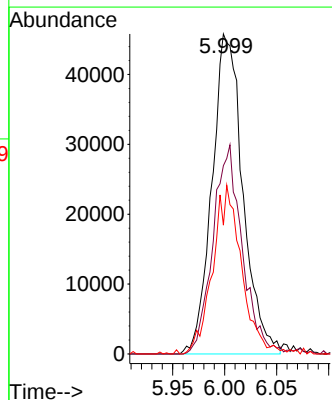
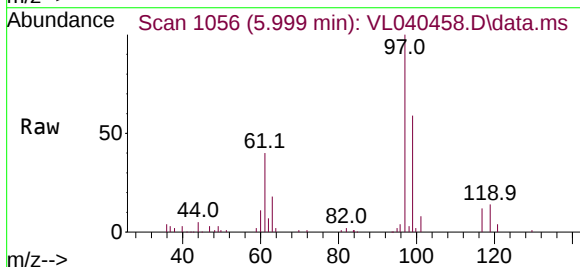
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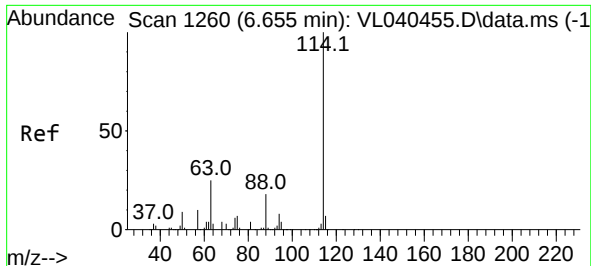
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.517 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

Tgt Ion: 97 Resp: 94666
 Ion Ratio Lower Upper
 97 100
 99 62.7 51.5 77.3
 61 49.7 39.7 59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 263264

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

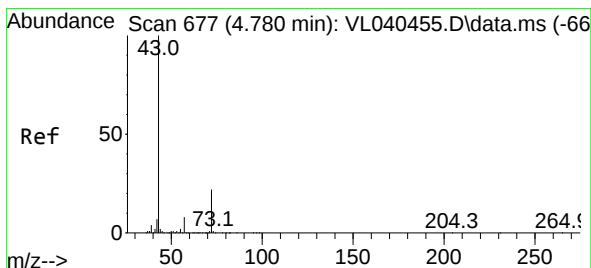
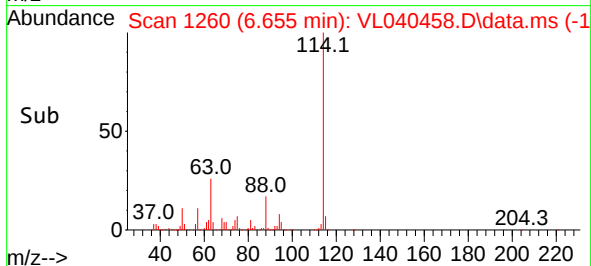
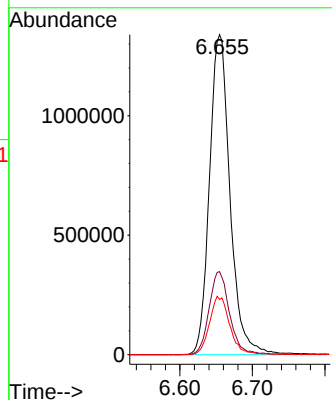
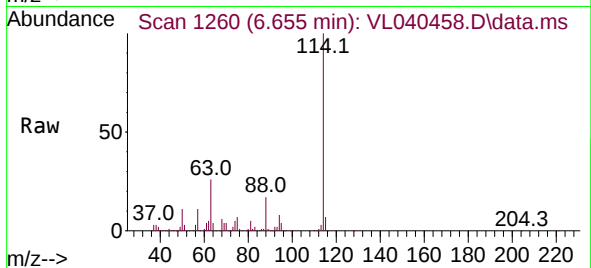
88 18.1 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#34

2-Butanone

Concen: 0.500 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL040458.D

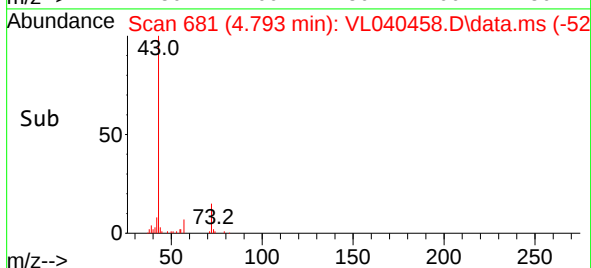
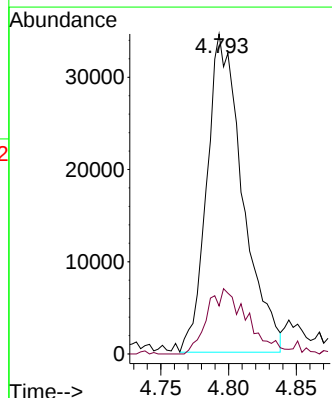
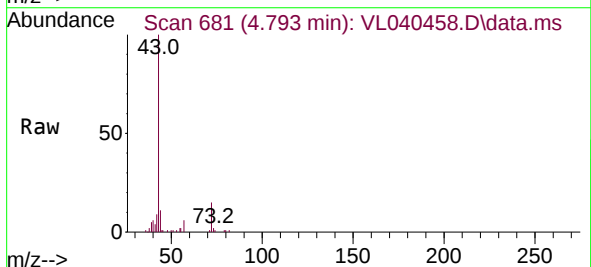
Acq: 5 Jun 2023 16:05

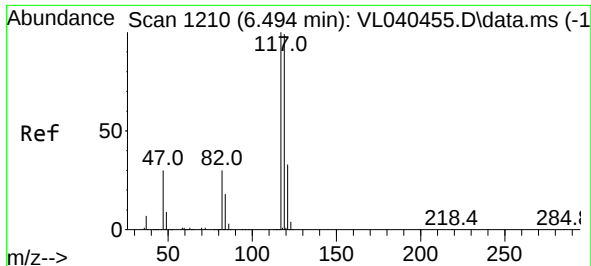
Tgt Ion: 43 Resp: 63518

Ion Ratio Lower Upper

43 100

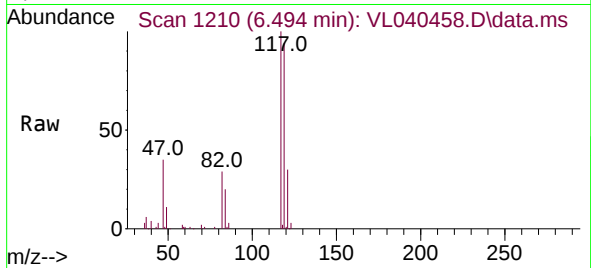
72 24.8 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.506 ppbv
RT: 6.494 min Scan# 1172
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

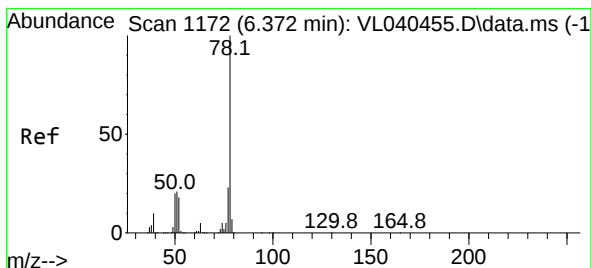
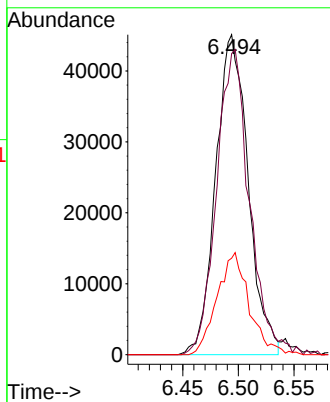
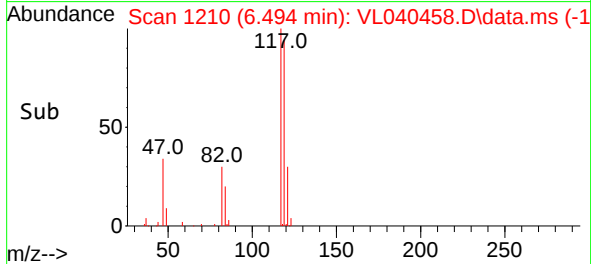
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 117 Resp: 91528
Ion Ratio Lower Upper
117 100
119 94.1 79.1 118.7
121 30.1 26.0 39.0

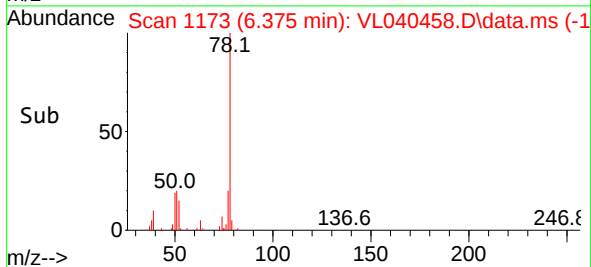
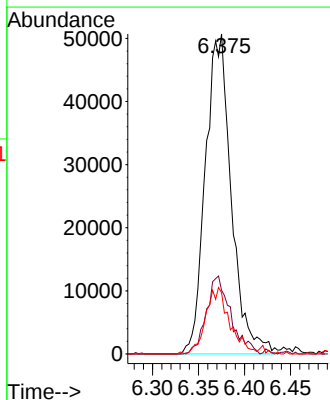
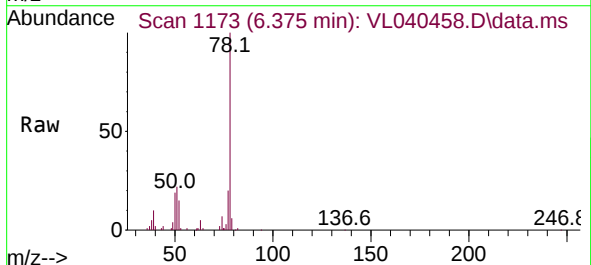
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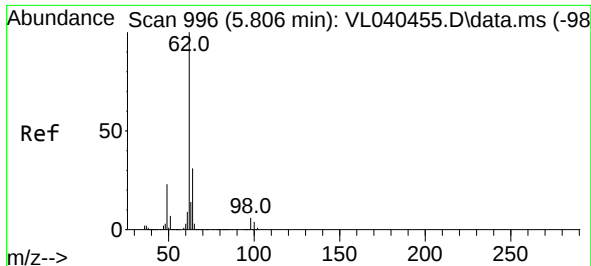
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#36
Benzene
Concen: 0.475 ppbv m
RT: 6.375 min Scan# 1173
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 78 Resp: 99583
Ion Ratio Lower Upper
78 100
77 19.9 18.5 27.7
50 19.2 16.1 24.1





#37

1,2-Dichloroethane

Concen: 0.487 ppbv

RT: 5.806 min Scan# 996

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 62 Resp: 6648

Ion Ratio Lower Upper

62 100

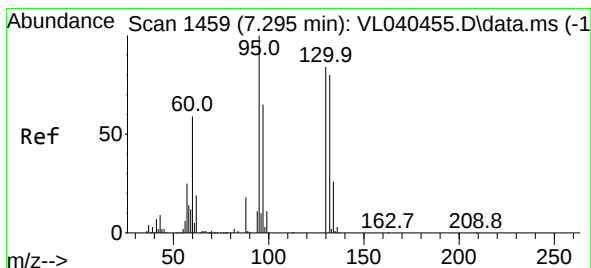
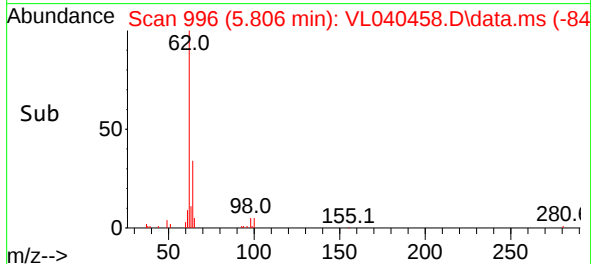
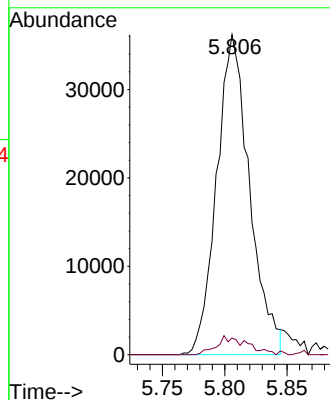
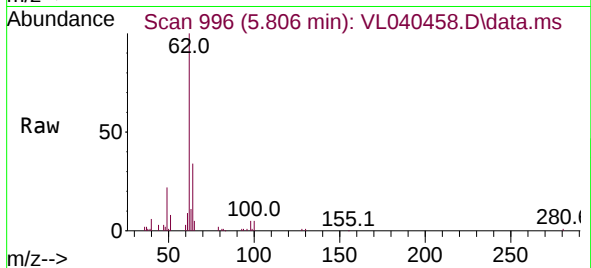
98 5.8 4.6 6.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#38

Trichloroethene

Concen: 0.481 ppbv m

RT: 7.288 min Scan# 1457

Delta R.T. -0.007 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion:130 Resp: 38696

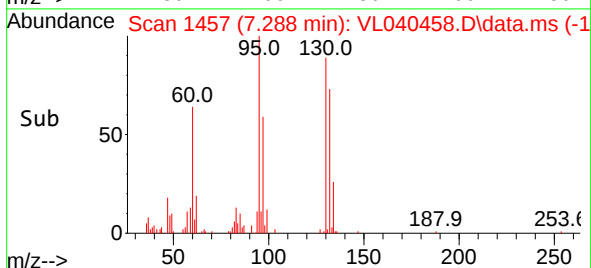
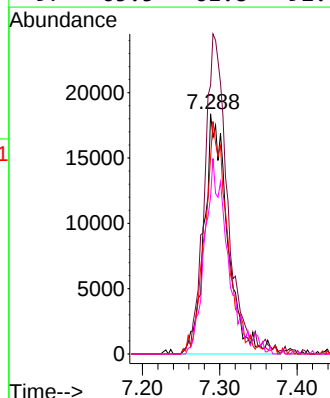
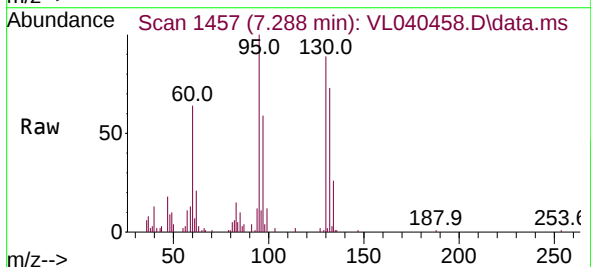
Ion Ratio Lower Upper

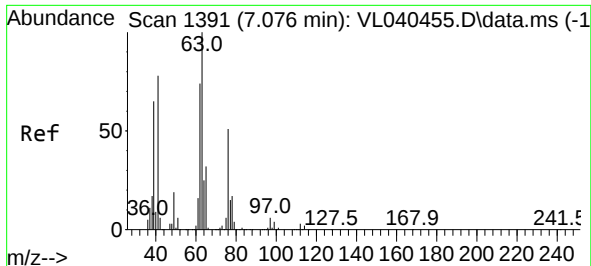
130 100

95 111.9 95.4 143.0

132 82.1 76.3 114.5

97 65.5 61.8 92.6





#39

1,2-Dichloropropane

Concen: 0.520 ppbv m

RT: 7.079 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

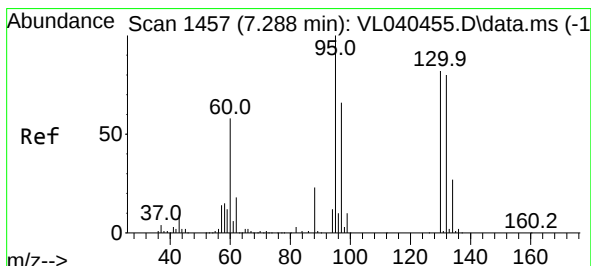
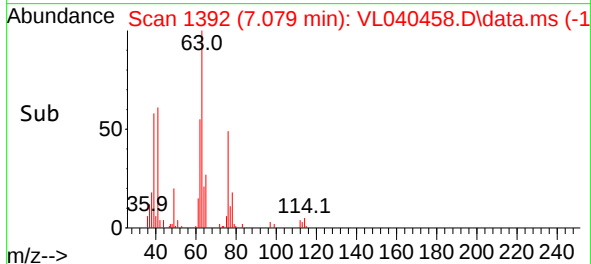
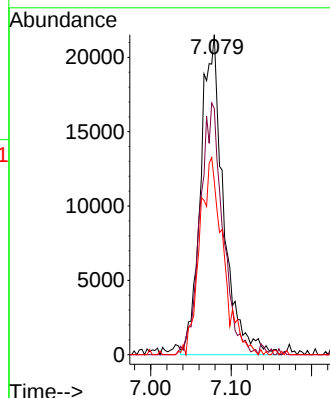
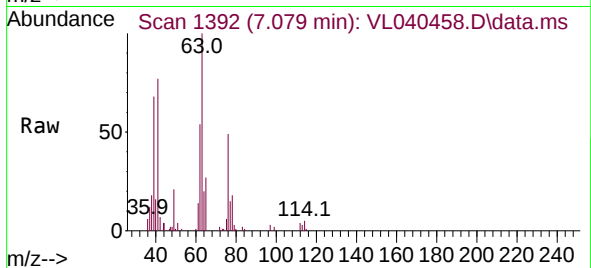
Tgt Ion: 63 Resp: 4247

Ion	Ratio	Lower	Upper
63	100		
41	77.0	62.2	93.2
62	54.1	59.0	88.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#40

1,4-Dioxane

Concen: 0.519 ppbv m

RT: 7.327 min Scan# 1469

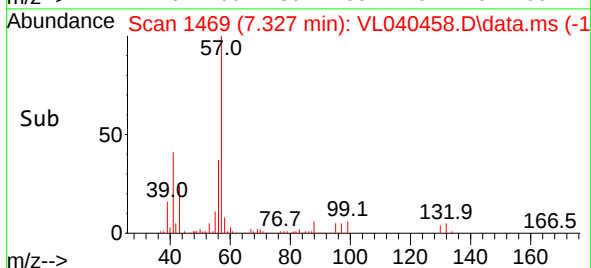
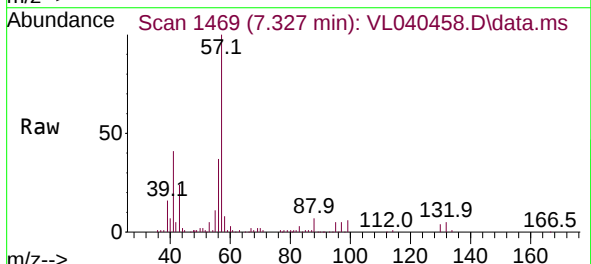
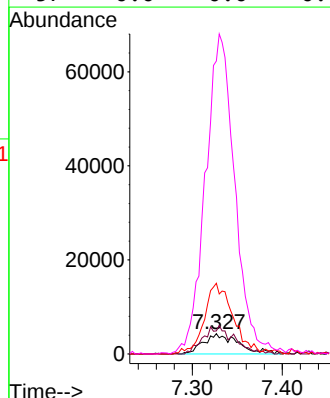
Delta R.T. 0.038 min

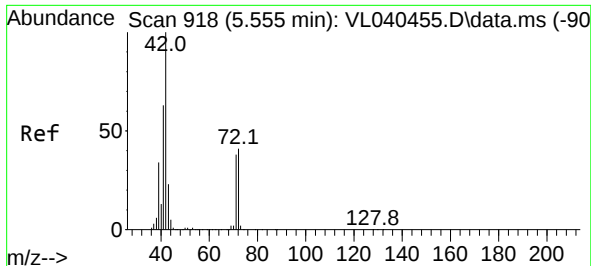
Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion: 88 Resp: 11600

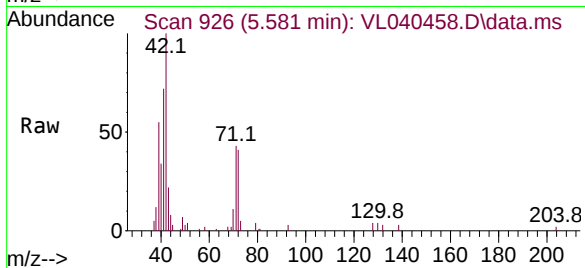
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.468 ppbv m
RT: 5.581 min Scan# 918
Delta R.T. 0.026 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

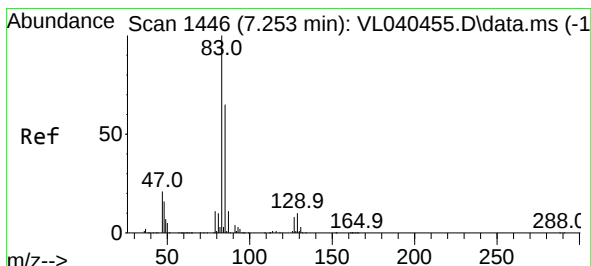
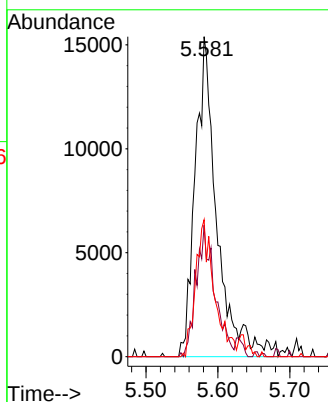
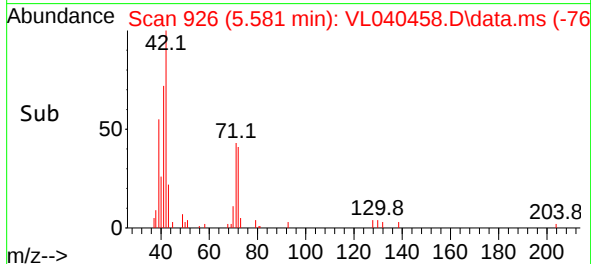
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



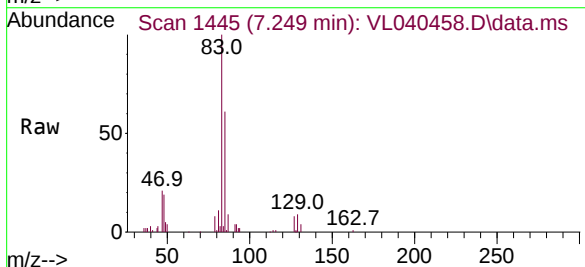
Tgt Ion: 42 Resp: 32250
Ion Ratio Lower Upper
42 100
72 0.0 33.8 50.8
71 0.0 32.3 48.5

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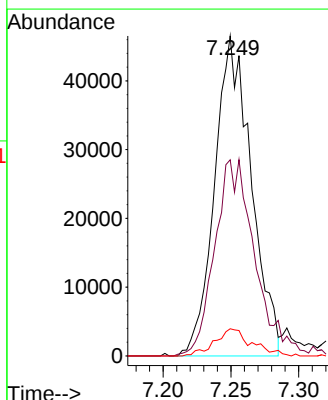
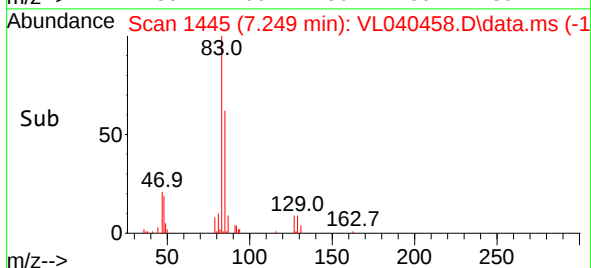
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

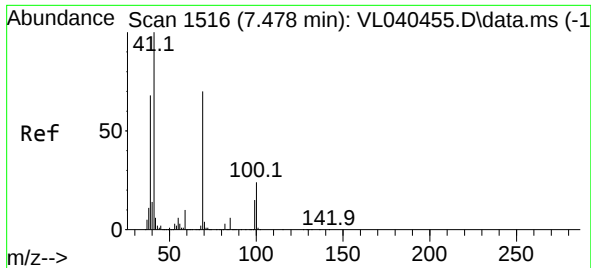


#42
Bromodichloromethane
Concen: 0.465 ppbv
RT: 7.249 min Scan# 1445
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



Tgt Ion: 83 Resp: 87333
Ion Ratio Lower Upper
83 100
85 60.8 51.8 77.6
127 8.5 6.1 9.1





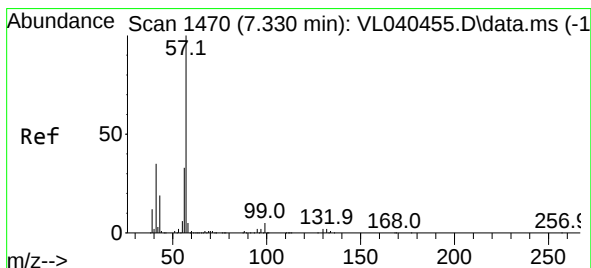
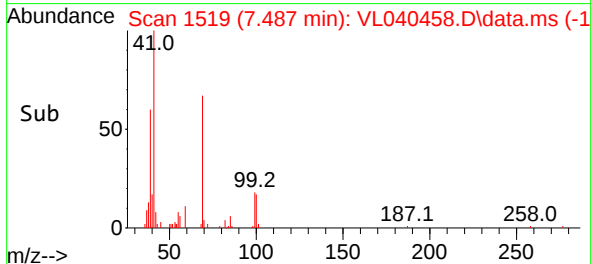
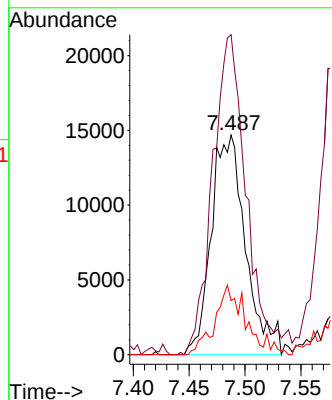
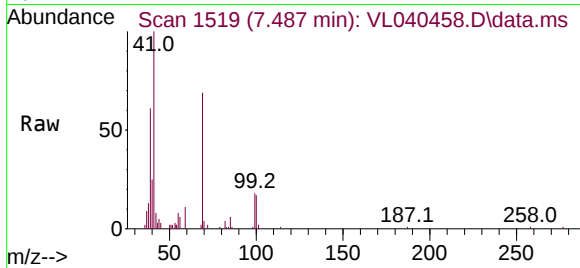
#43
Methyl Methacrylate
Concen: 0.416 ppbv
RT: 7.487 min Scan# 1519
Delta R.T. 0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 3128
Ion Ratio Lower Upper
69 100
41 0.0 114.3 171.5
100 0.0 25.4 38.2

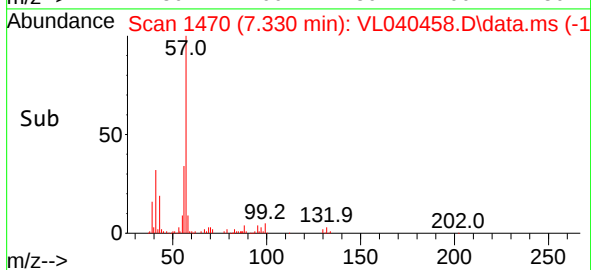
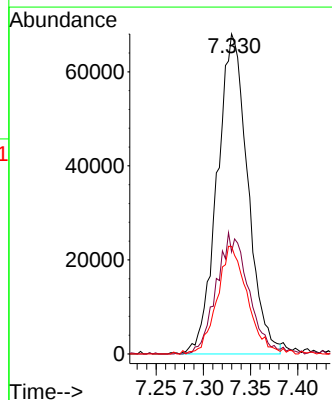
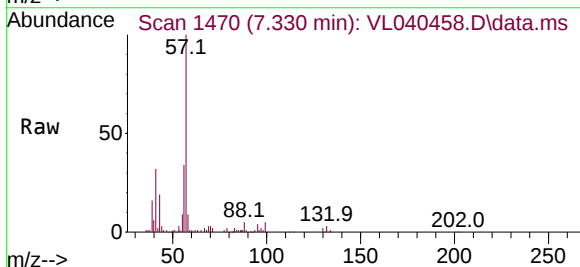
Manual Integrations
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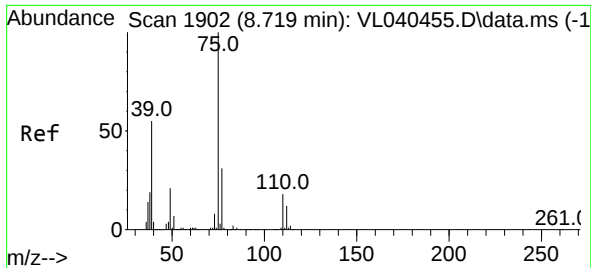
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#44
2,2,4-Trimethylpentane
Concen: 0.447 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 57 Resp: 152937
Ion Ratio Lower Upper
57 100
41 40.2 27.8 41.8
56 33.6 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.379 ppbv m

RT: 8.712 min Scan# 1902

Delta R.T. -0.007 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 75 Resp: 2111

Ion Ratio Lower Upper

75 100

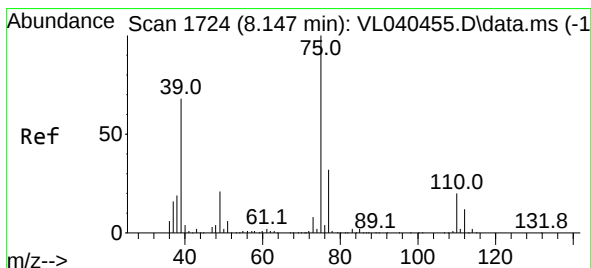
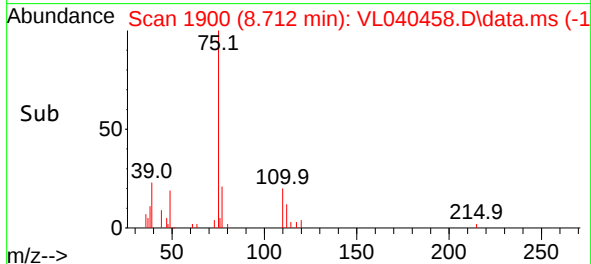
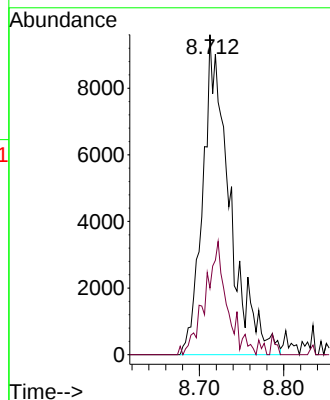
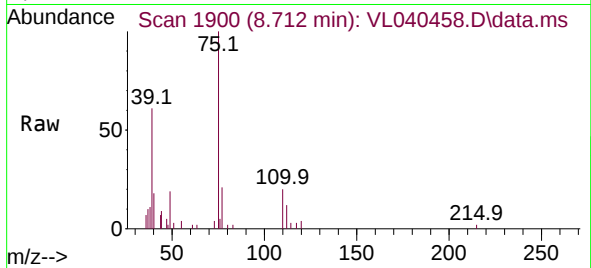
77 20.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#46

cis-1,3-Dichloropropene

Concen: 0.398 ppbv m

RT: 8.150 min Scan# 1725

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

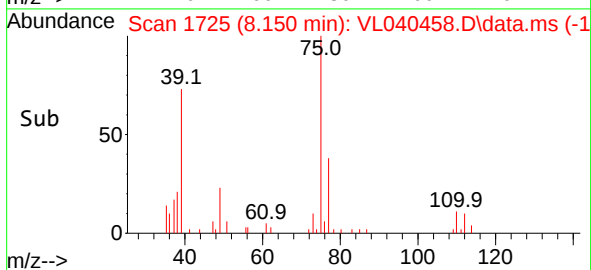
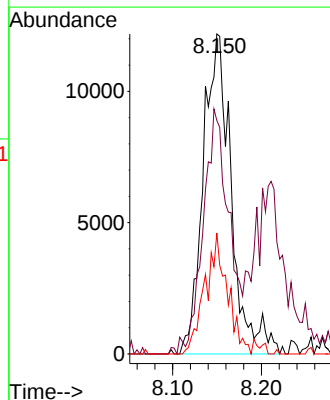
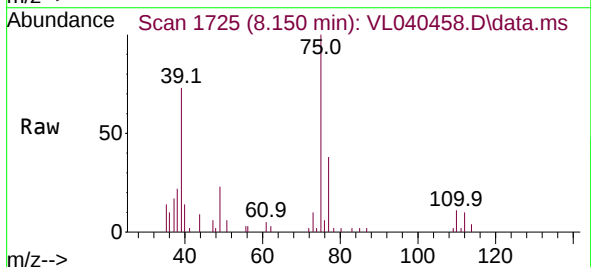
Tgt Ion: 75 Resp: 26789

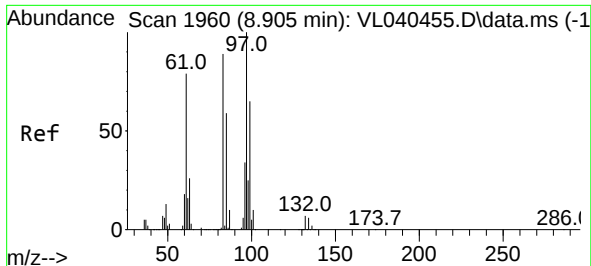
Ion Ratio Lower Upper

75 100

39 73.0 54.2 81.4

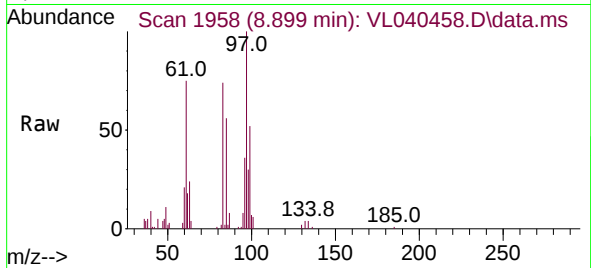
77 37.8 25.5 38.3





#47
1,1,2-Trichloroethane
Concen: 0.500 ppbv m
RT: 8.899 min Scan# 1960
Delta R.T. -0.007 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

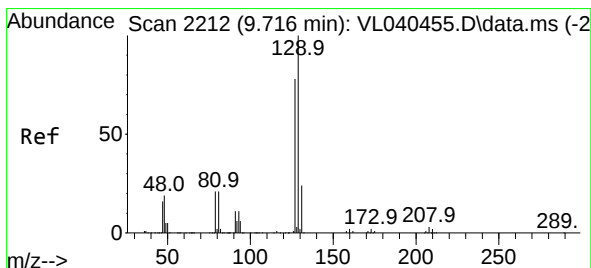
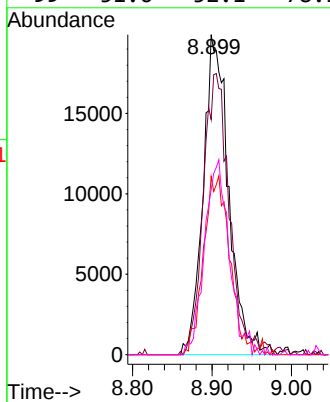
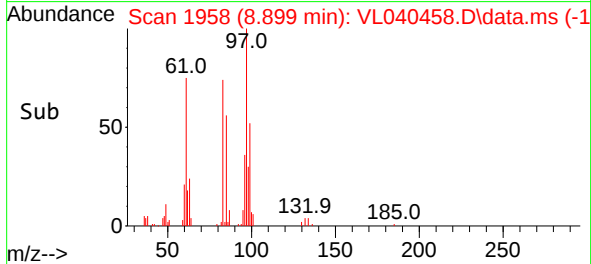
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 97 Resp: 4436
Ion Ratio Lower Upper
97 100
83 73.5 71.4 107.2
85 55.7 47.2 70.8
99 51.6 52.1 78.1#

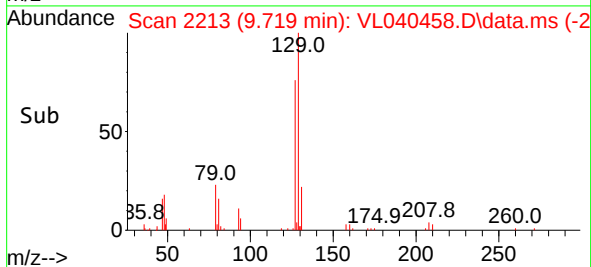
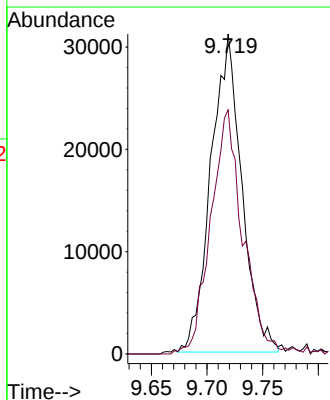
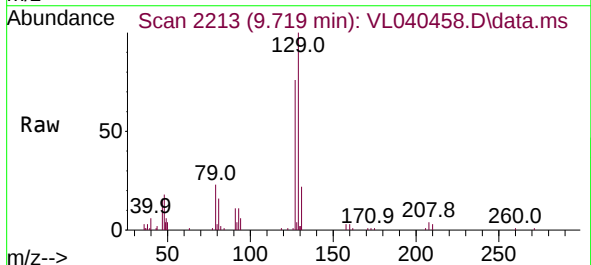
Manual Integrations
APPROVED

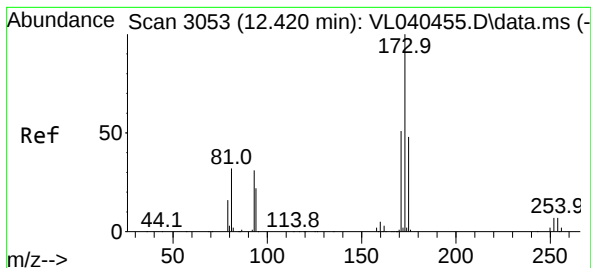
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#48
Dibromochloromethane
Concen: 0.424 ppbv
RT: 9.719 min Scan# 2213
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:129 Resp: 60137
Ion Ratio Lower Upper
129 100
127 80.1 39.4 118.1





#49

Bromoform

Concen: 0.412 ppbv m

RT: 12.416 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

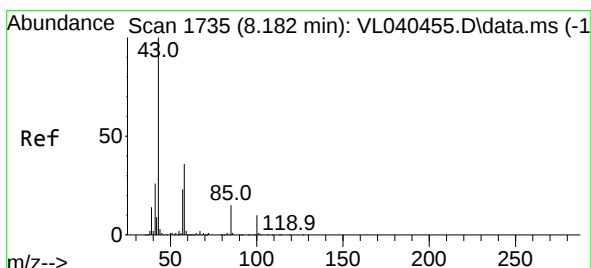
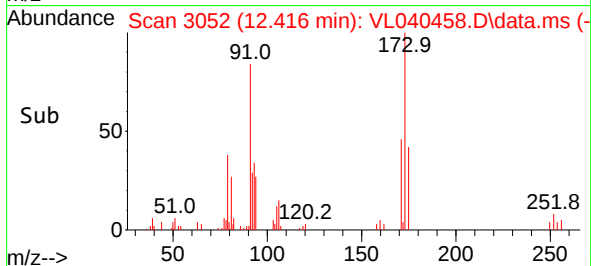
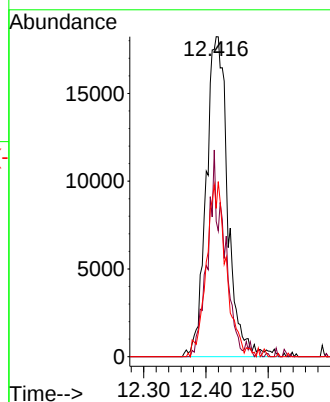
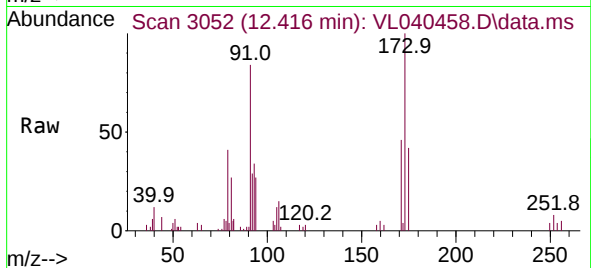
VSTDIC0.5

Tgt Ion:	173	Resp:	4411
Ion Ratio	Lower	Upper	
173	100		
175	50.2	39.2	58.8
171	50.4	42.2	63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#50

4-Methyl-2-Pentanone

Concen: 0.439 ppbv m

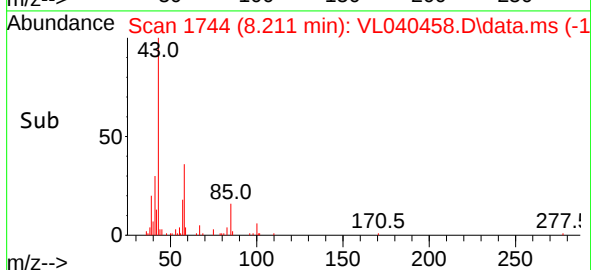
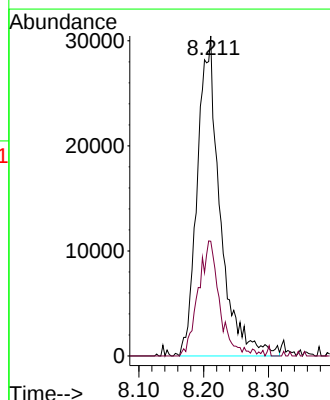
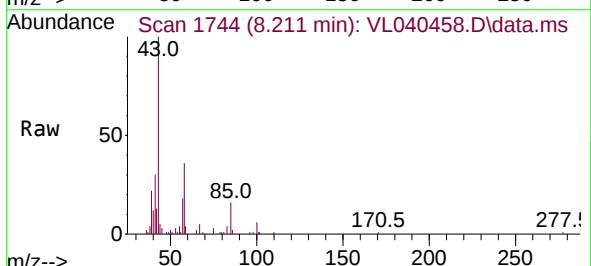
RT: 8.211 min Scan# 1744

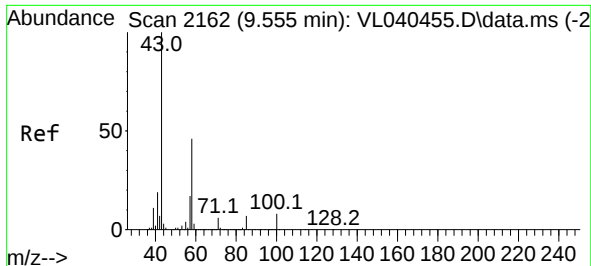
Delta R.T. 0.029 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

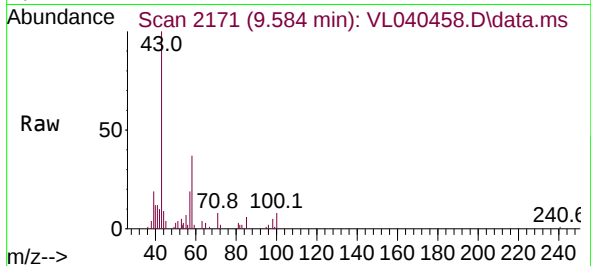
Tgt Ion:	43	Resp:	74240
Ion Ratio	Lower	Upper	
43	100		
58	0.0	28.2	42.4





#51
2-Hexanone
Concen: 0.404 ppbv m
RT: 9.584 min Scan# 2162
Delta R.T. 0.029 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

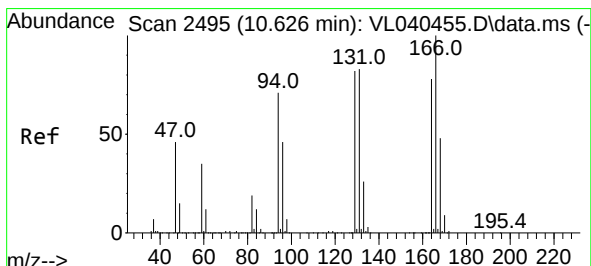
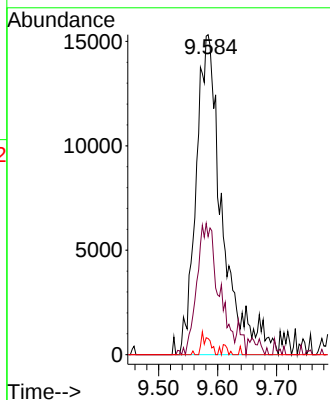
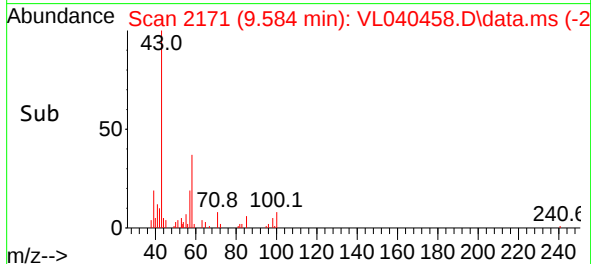
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion: 43 Resp: 47349
Ion Ratio Lower Upper
43 100
58 0.0 37.1 55.7
98 0.0 0.5 0.7

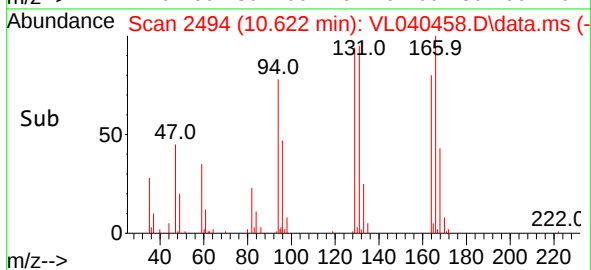
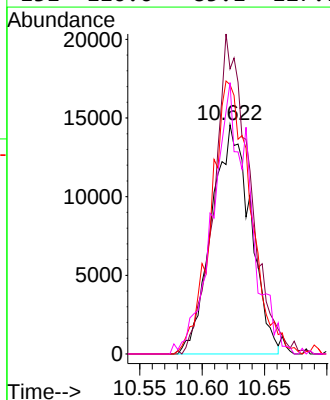
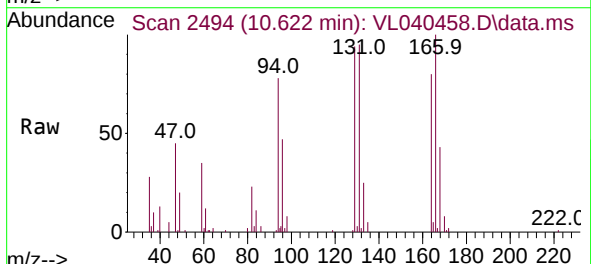
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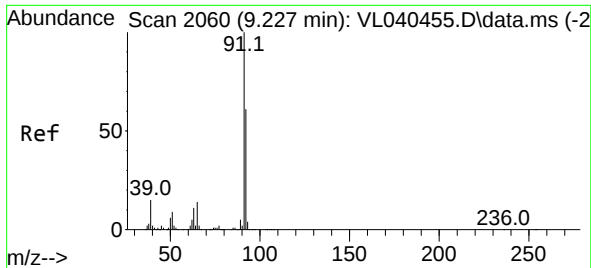
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#52
Tetrachloroethene
Concen: 0.481 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:164 Resp: 31642
Ion Ratio Lower Upper
164 100
166 123.0 102.7 154.1
129 116.4 84.6 126.8
131 116.6 85.1 127.7





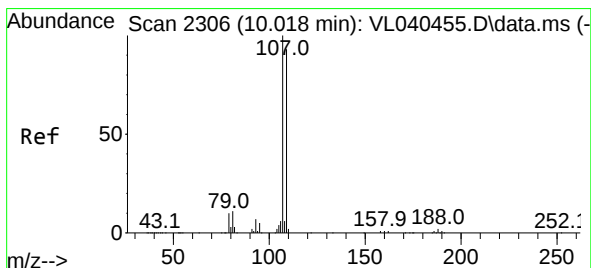
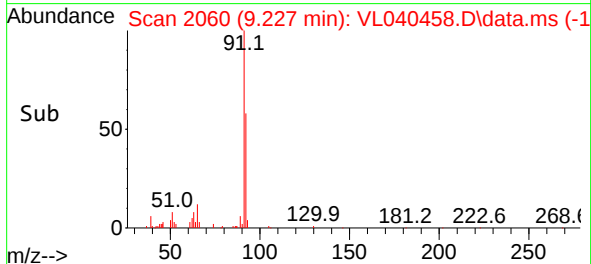
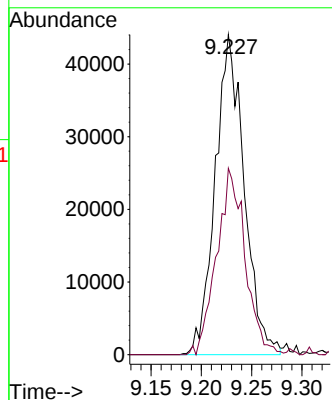
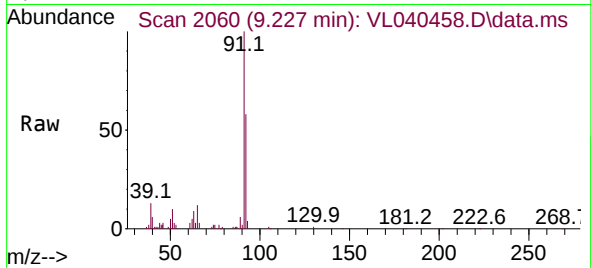
#53
Toluene
Concen: 0.400 ppbv
RT: 9.227 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 88160
Ion Ratio Lower Upper
91 100
92 58.4 49.1 73.7

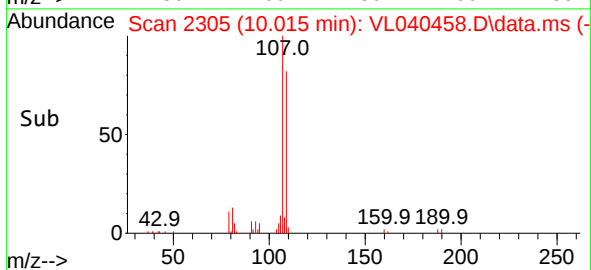
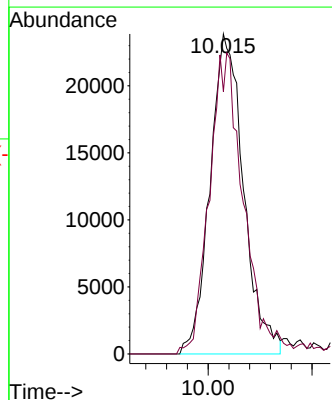
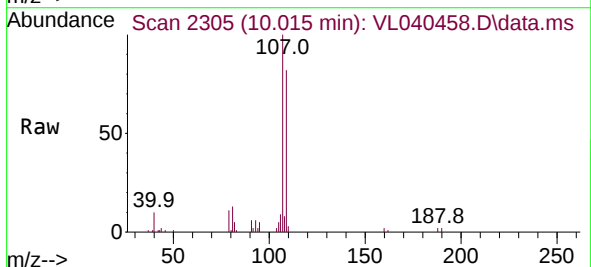
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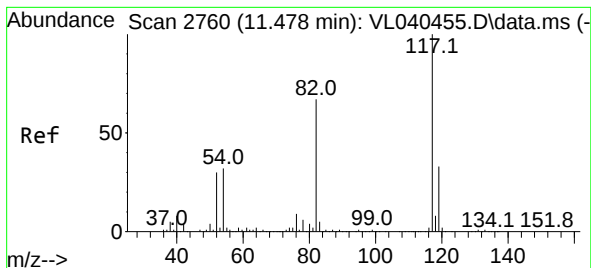
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#54
1,2-Dibromoethane
Concen: 0.458 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:107 Resp: 53357
Ion Ratio Lower Upper
107 100
109 80.0 74.5 111.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:117 Resp: 2292614

Ion Ratio Lower Upper

117 100

82 68.3 53.0 79.4

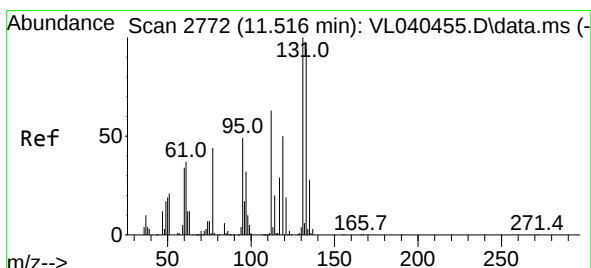
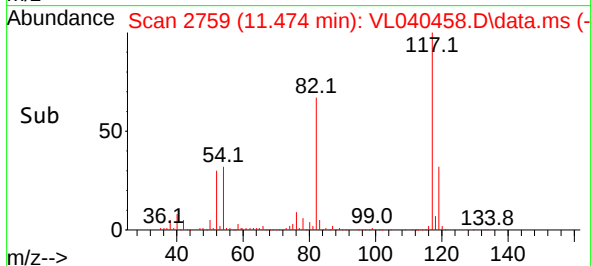
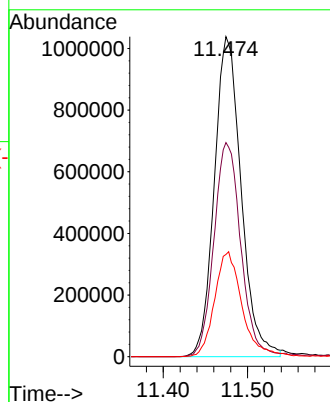
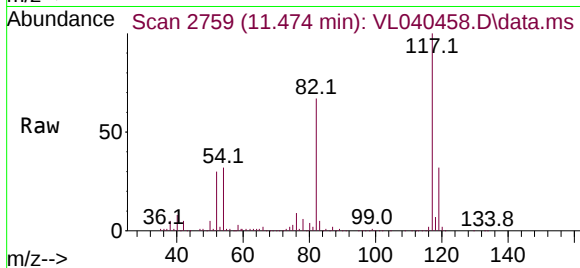
119 33.6 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#56

1,1,1,2-Tetrachloroethane

Concen: 0.519 ppbv m

RT: 11.510 min Scan# 2770

Delta R.T. -0.007 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

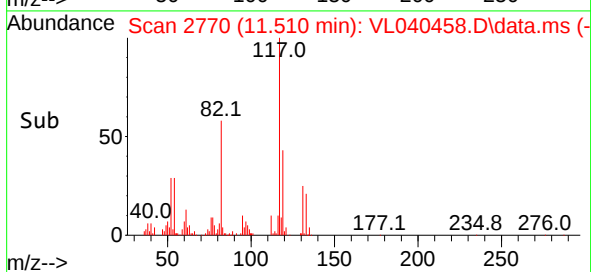
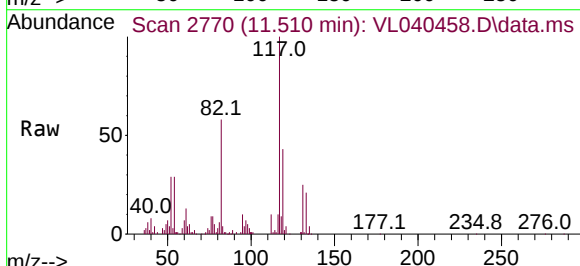
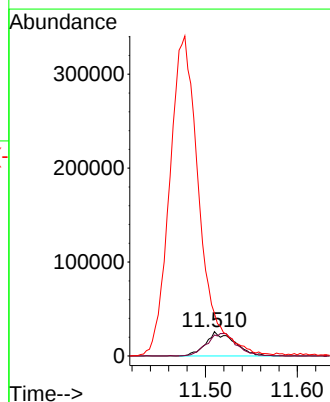
Tgt Ion:131 Resp: 55899

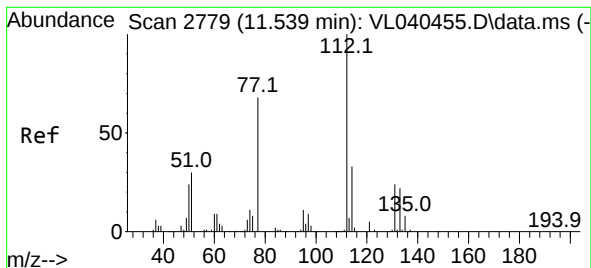
Ion Ratio Lower Upper

131 100

133 0.0 75.7 113.5#

119 0.0 51.4 77.2#





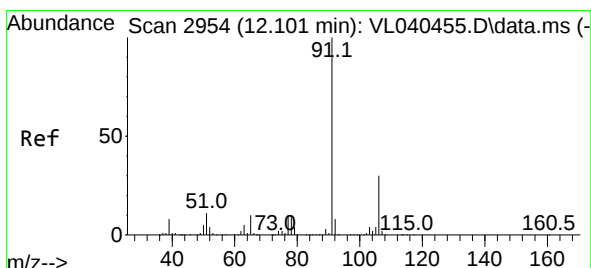
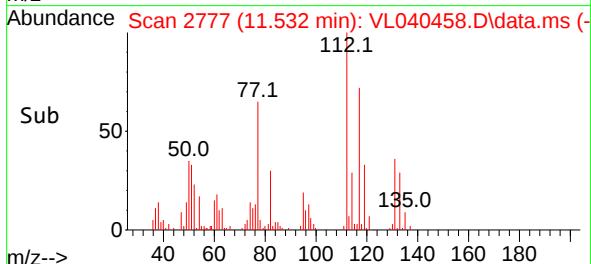
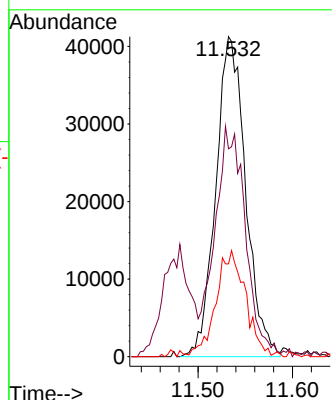
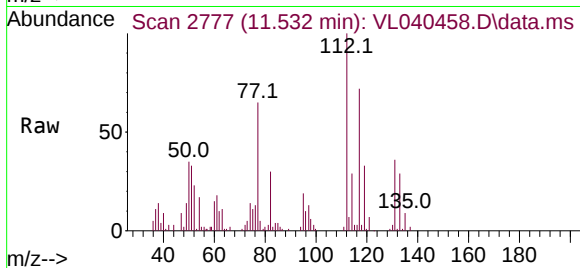
#57
Chlorobenzene
Concen: 0.523 ppbv
RT: 11.532 min Scan# 2777
Delta R.T. -0.007 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 112 Resp: 9071
Ion Ratio Lower Upper
112 100
77 64.1 55.4 83.2
114 28.0 30.0 36.6

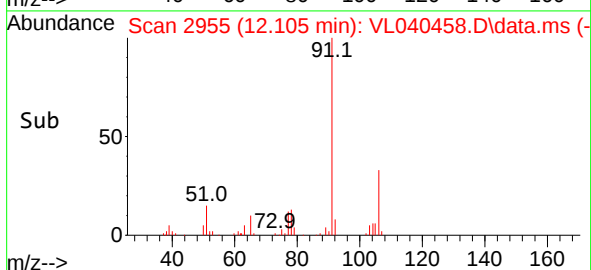
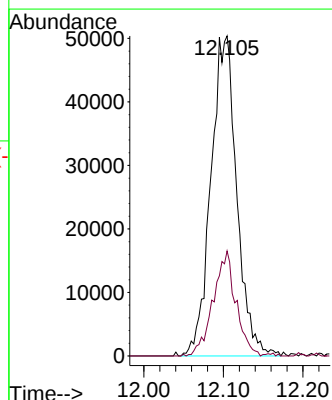
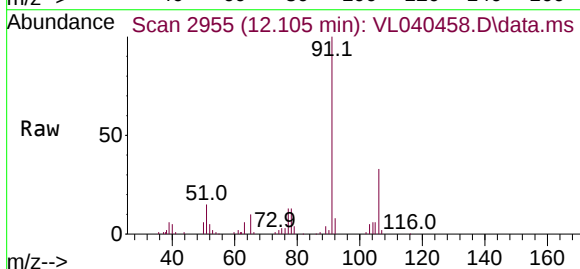
Manual Integrations
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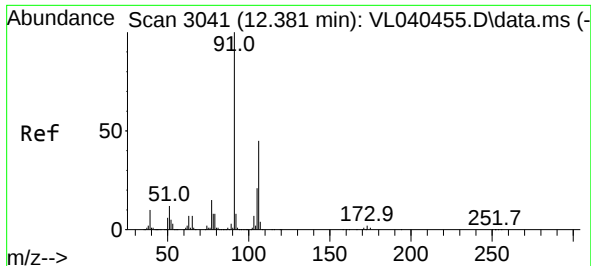
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#58
Ethyl Benzene
Concen: 0.410 ppbv m
RT: 12.105 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion: 91 Resp: 113927
Ion Ratio Lower Upper
91 100
106 32.8 23.7 35.5





#59

m/p-Xylene

Concen: 0.884 ppbv m

RT: 12.381 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 91 Resp: 22508

Ion Ratio Lower Upper

91 100

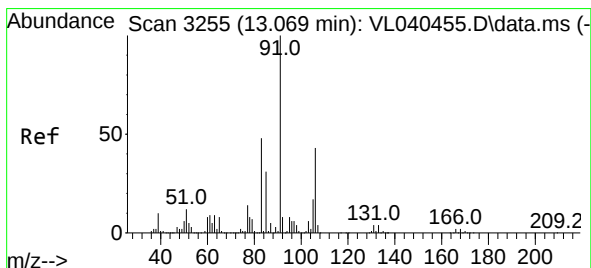
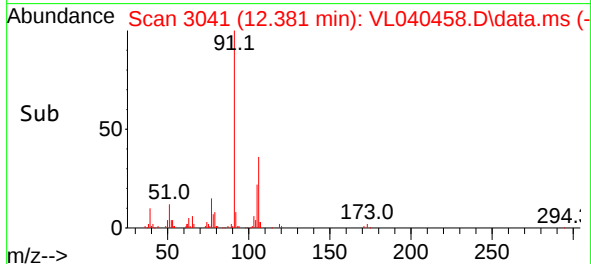
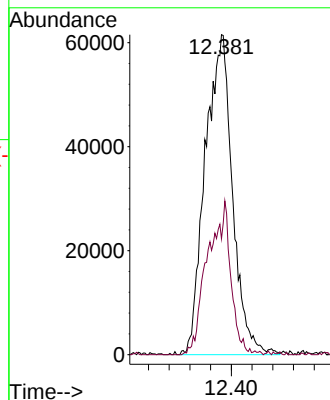
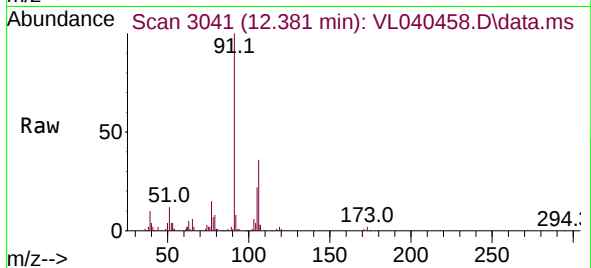
106 41.2 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#60

o-Xylene

Concen: 0.419 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040458.D

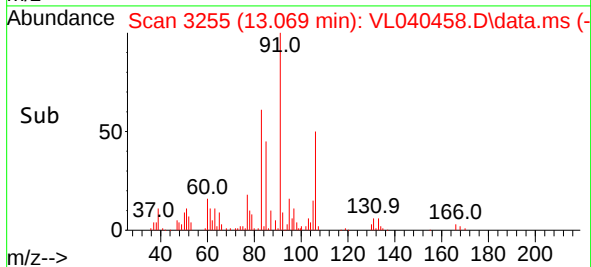
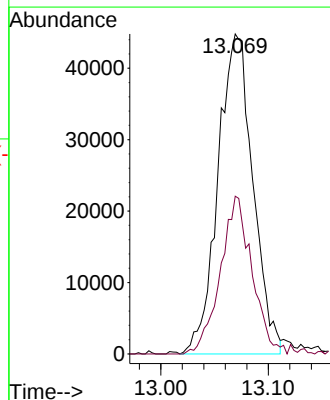
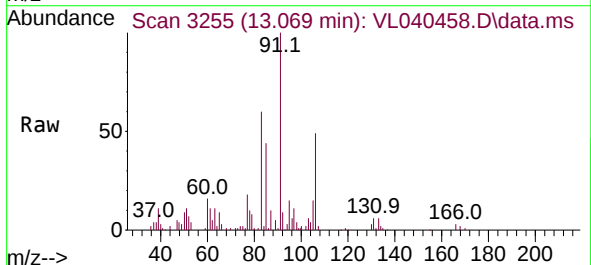
Acq: 5 Jun 2023 16:05

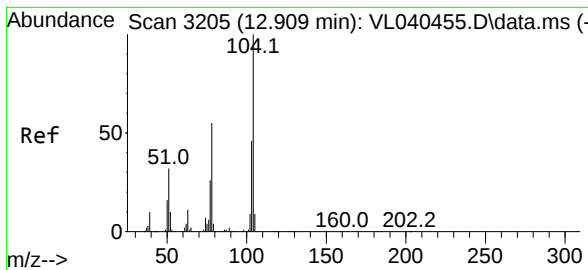
Tgt Ion: 91 Resp: 101351

Ion Ratio Lower Upper

91 100

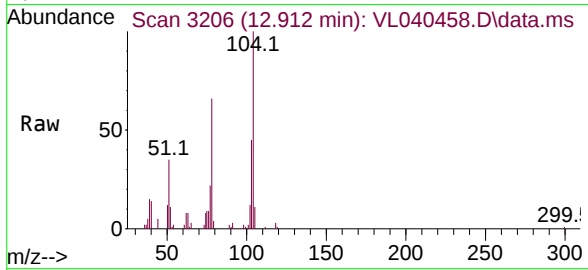
106 45.4 22.1 66.1





#61
Styrene
Concen: 0.328 ppbv m
RT: 12.912 min Scan# 3205
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

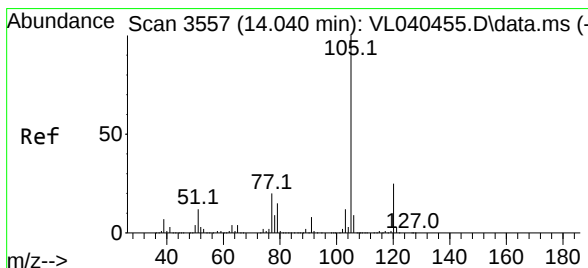
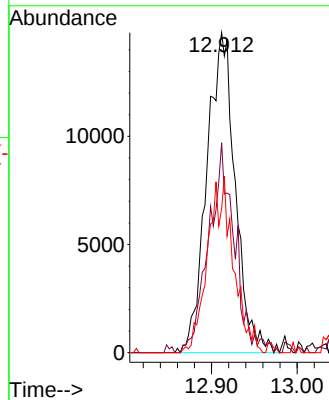
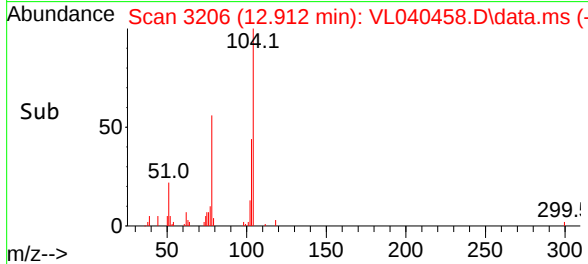
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



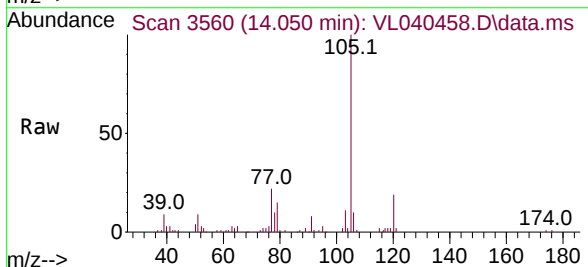
Tgt Ion:104 Resp: 34218
Ion Ratio Lower Upper
104 100
78 0.0 43.1 64.7
103 0.0 37.1 55.7

Manual Integrations
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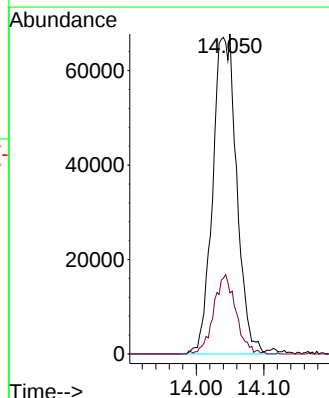
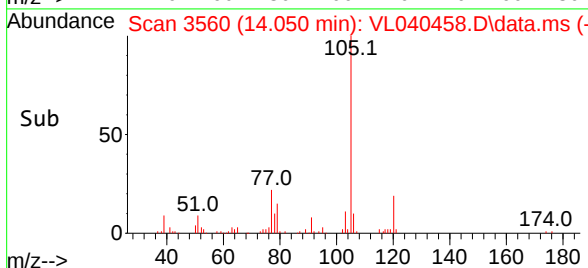
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

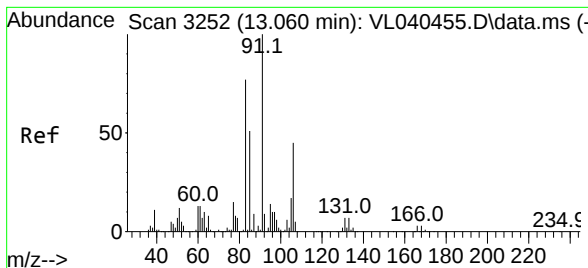


#62
Isopropylbenzene
Concen: 0.464 ppbv m
RT: 14.050 min Scan# 3560
Delta R.T. 0.010 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



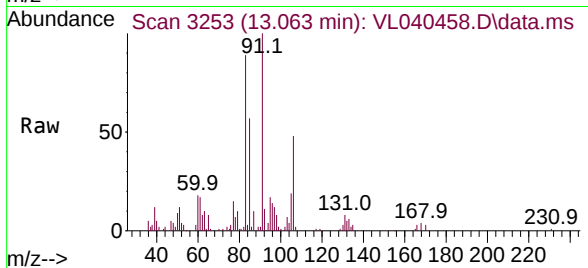
Tgt Ion:105 Resp: 167115
Ion Ratio Lower Upper
105 100
120 23.0 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 0.492 ppbv
RT: 13.063 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

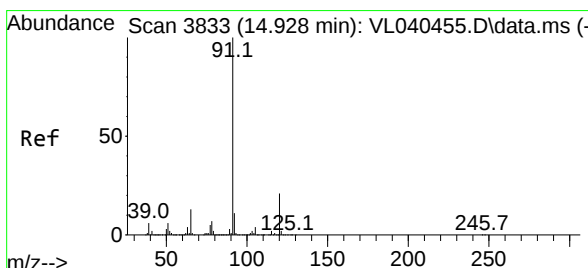
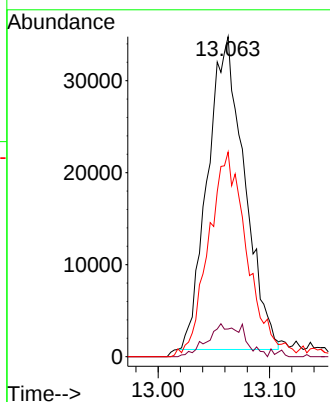
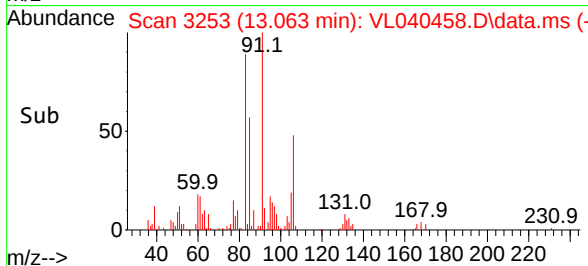
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 83 Resp: 78260
Ion Ratio Lower Upper
83 100
131 10.9 4.5 13.7
85 69.2 33.0 99.0

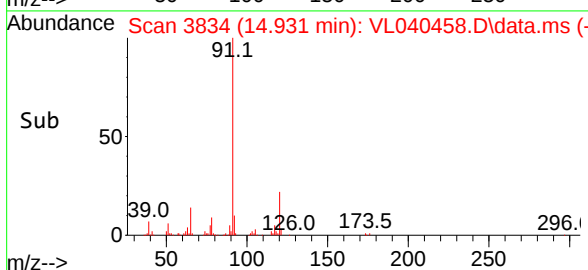
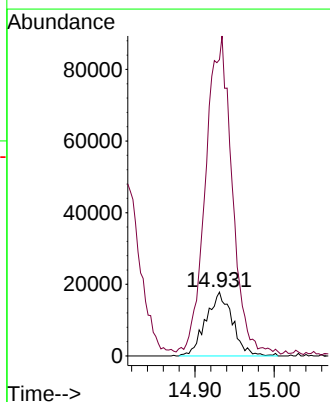
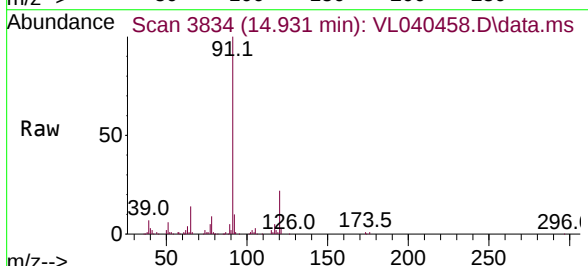
Manual Integrations
APPROVED

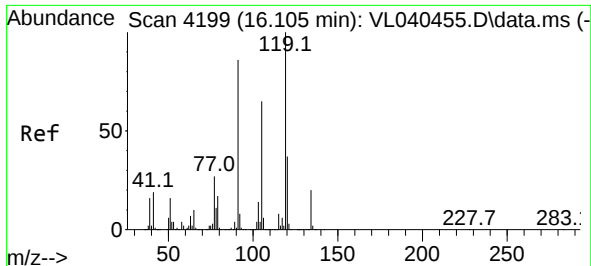
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#64
n-propylbenzene
Concen: 0.493 ppbv m
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

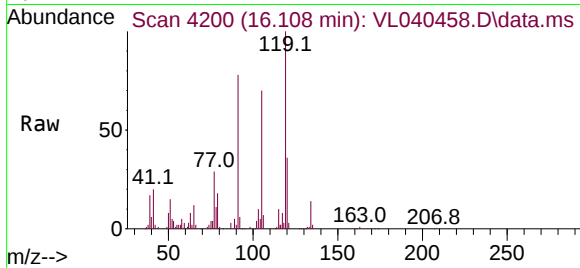
Tgt Ion:120 Resp: 41554
Ion Ratio Lower Upper
120 100
91 0.0 388.5 582.7#





#65
tert-Butylbenzene
Concen: 0.422 ppbv
RT: 16.108 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

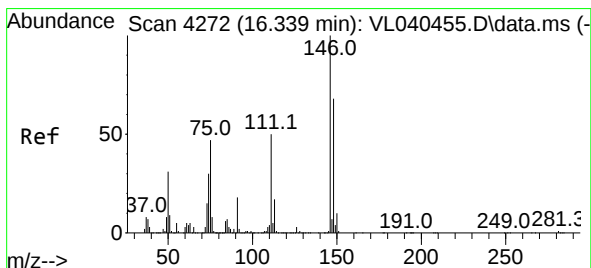
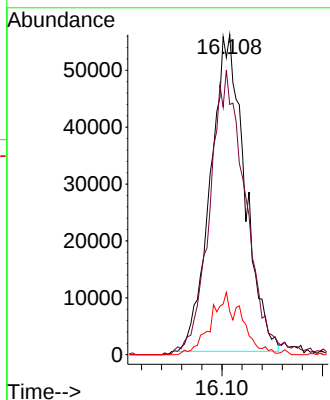
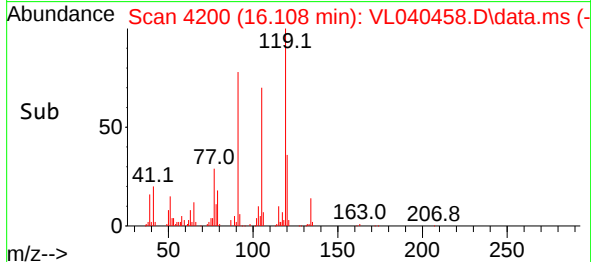
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



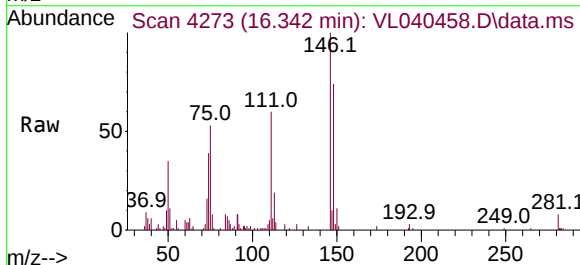
Tgt Ion: 119 Resp: 13135
Ion Ratio Lower Upper
119 100
91 96.1 70.5 105.7
134 18.1 15.6 23.4

Manual Integrations
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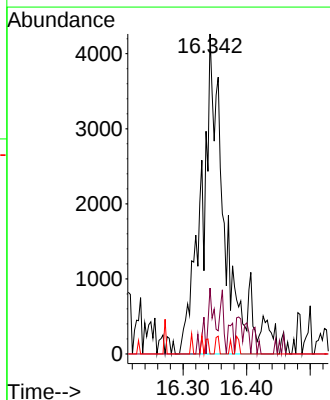
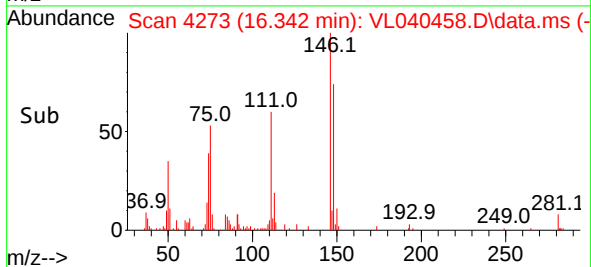
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

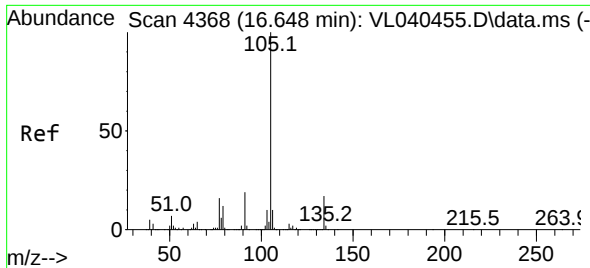


#66
Benzyl Chloride
Concen: 0.473 ppbv m
RT: 16.342 min Scan# 4273
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



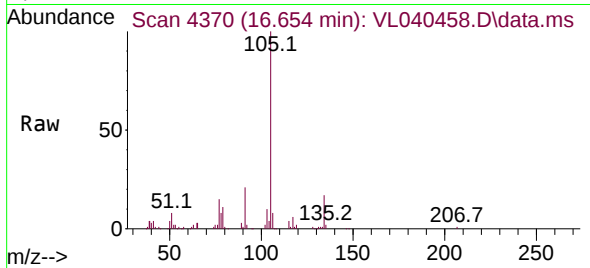
Tgt Ion: 91 Resp: 10937
Ion Ratio Lower Upper
91 100
126 9.6 13.2 19.8#
128 1.1 4.6 6.8#





#67
 sec-Butylbenzene
 Concen: 0.447 ppbv
 RT: 16.654 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

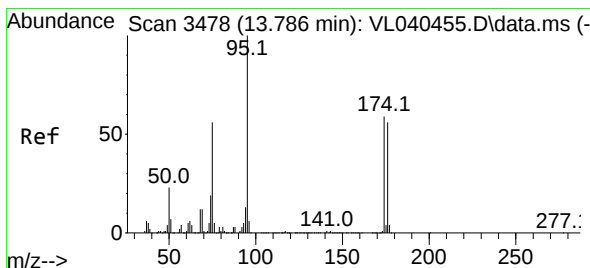
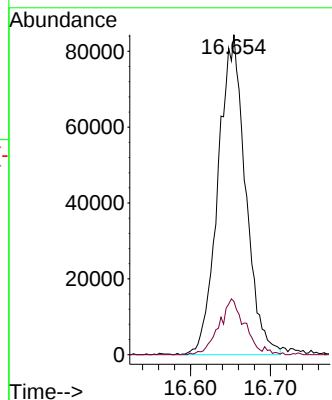
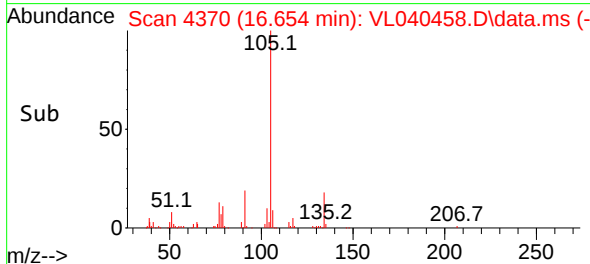
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:105 Resp: 201330
 Ion Ratio Lower Upper
 105 100
 134 16.7 14.0 21.0

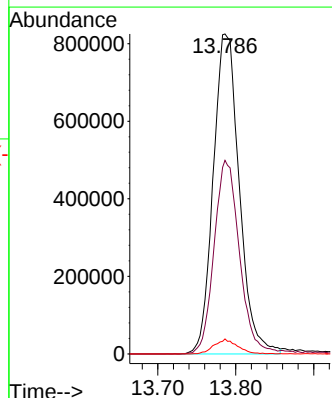
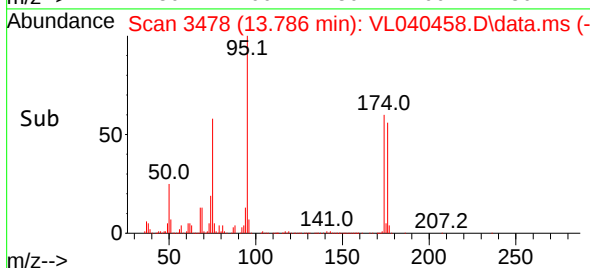
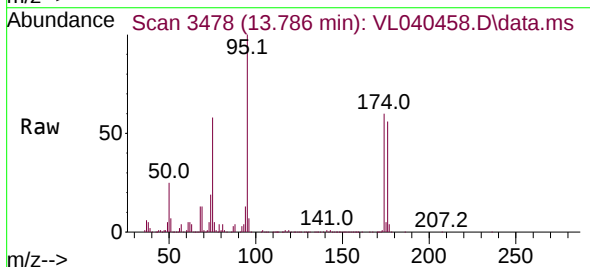
Manual Integrations
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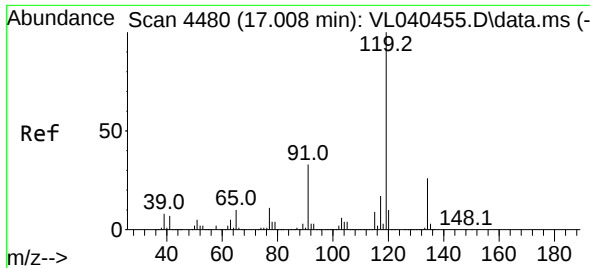
Reviewed By :Semsettin Yesilyurt 06/06/2023
 Supervised By :Mahesh Dadoda 06/06/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.160 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. -0.000 min
 Lab File: VL040458.D
 Acq: 5 Jun 2023 16:05

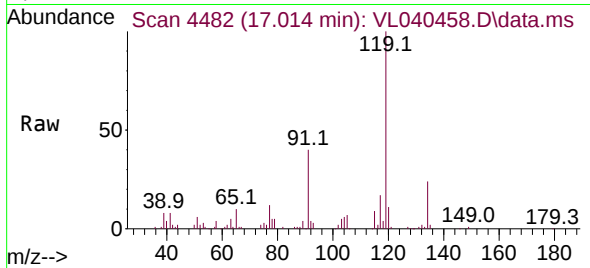
Tgt Ion: 95 Resp: 1922382
 Ion Ratio Lower Upper
 95 100
 174 60.4 47.7 71.5
 175 4.2 3.5 5.3





#69
p-Isopropyltoluene
Concen: 0.418 ppbv m
RT: 17.014 min Scan# 4480
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

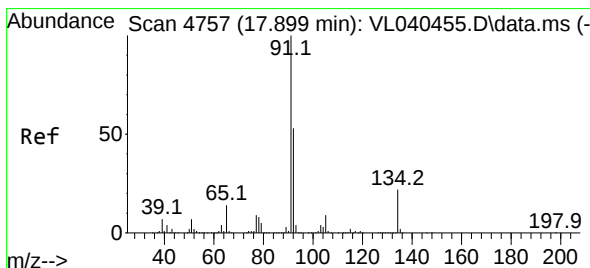
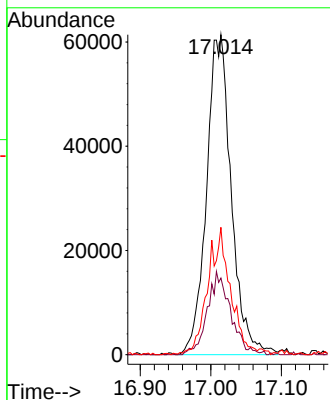
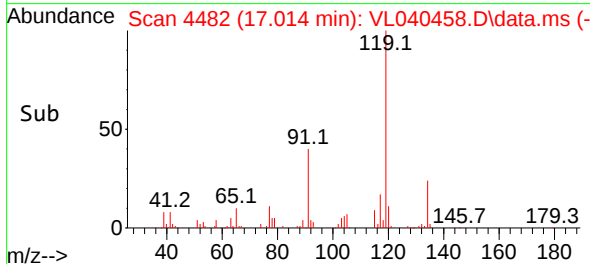
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



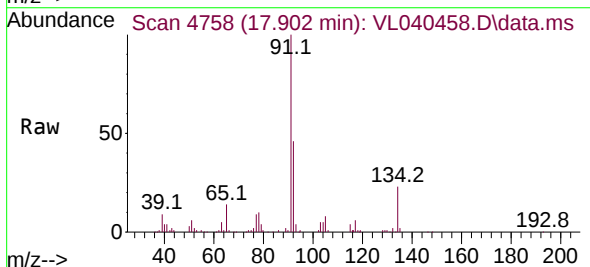
Tgt Ion:119 Resp: 149580
Ion Ratio Lower Upper
119 100
134 24.5 20.3 30.5
91 0.0 25.5 38.3

Manual Integrations
APPROVED

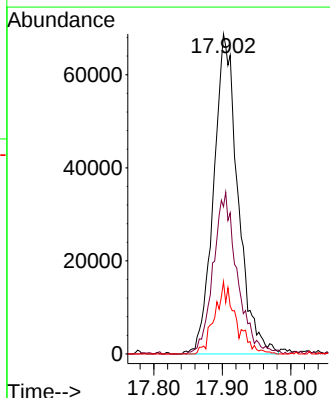
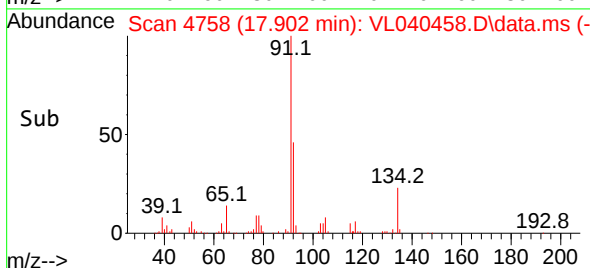
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

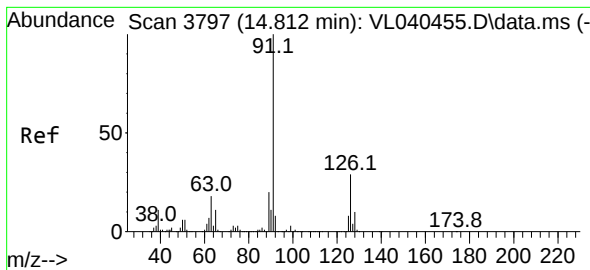


#70
n-Butylbenzene
Concen: 0.424 ppbv m
RT: 17.902 min Scan# 4758
Delta R.T. 0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



Tgt Ion: 91 Resp: 169400
Ion Ratio Lower Upper
91 100
92 50.6 42.7 64.1
134 19.8 16.9 25.3





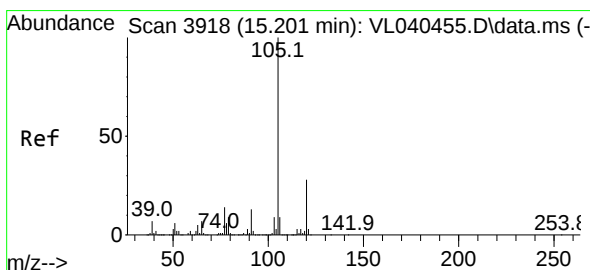
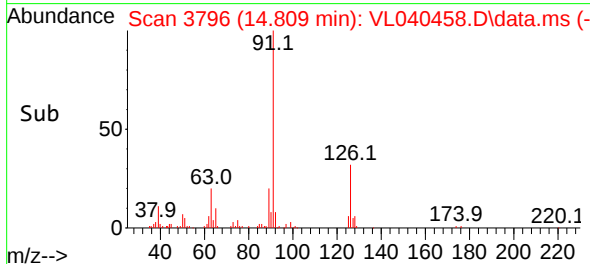
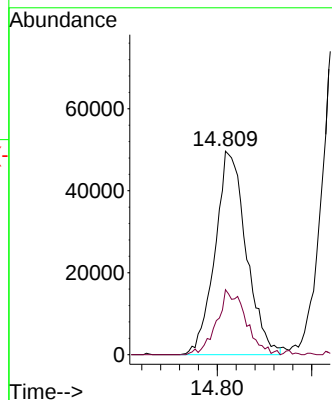
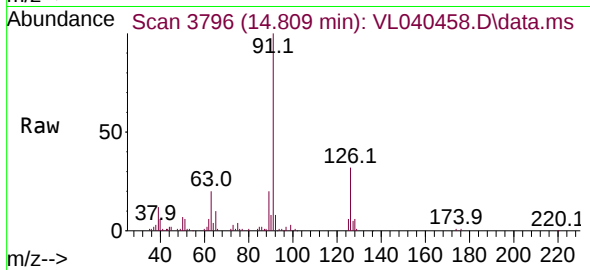
#71
2-Chlorotoluene
Concen: 0.426 ppbv
RT: 14.809 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 11376
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.2

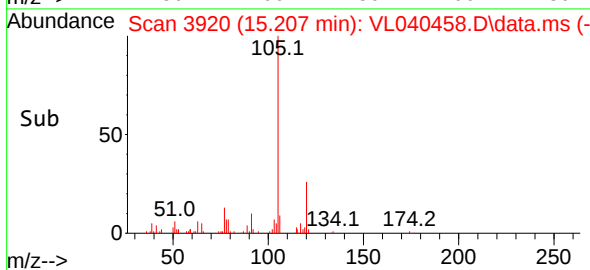
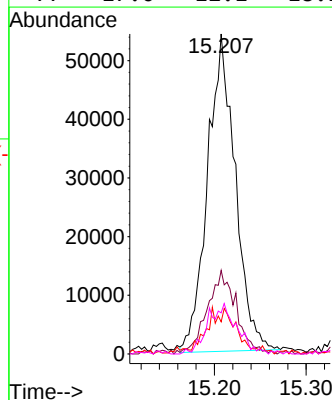
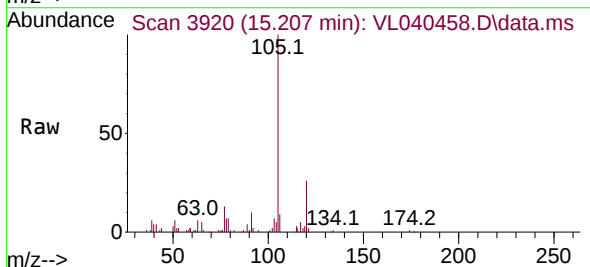
Manual Integrations
APPROVED

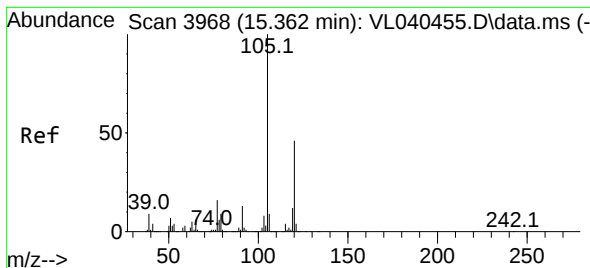
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#72
4-Ethyltoluene
Concen: 0.417 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.006 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

Tgt Ion:105 Resp: 113786
Ion Ratio Lower Upper
105 100
120 27.9 23.4 35.0
91 16.3 11.1 16.7
77 17.0 12.1 18.1





#73

1,3,5-Trimethylbenzene

Concen: 0.406 ppbv

RT: 15.365 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 9784

Ion Ratio Lower Upper

105 100

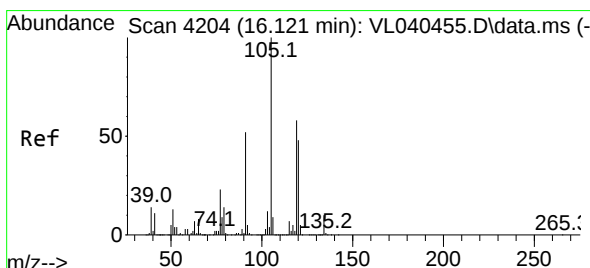
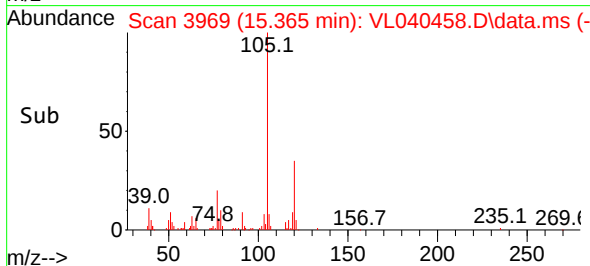
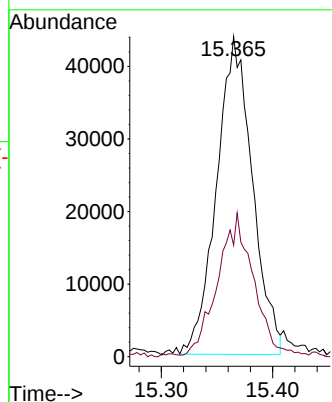
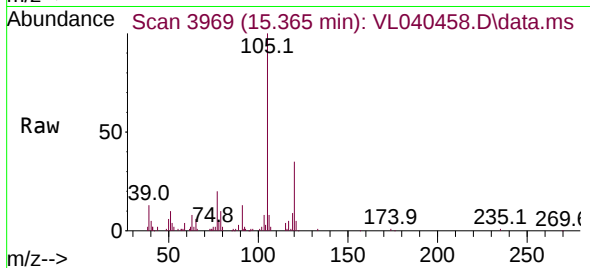
120 34.6 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.451 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion:105 Resp: 127808

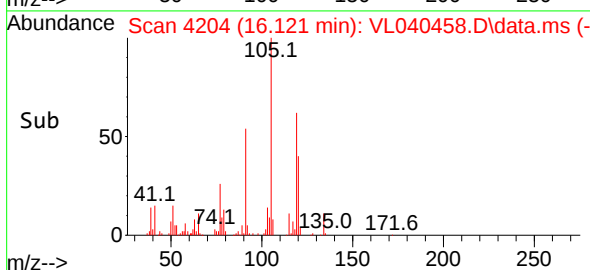
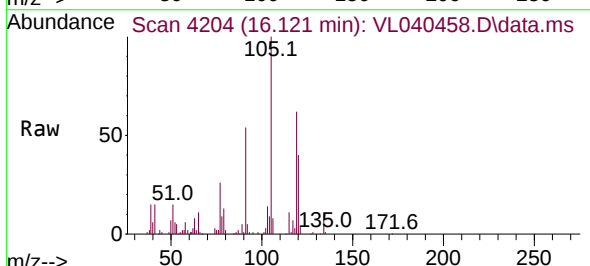
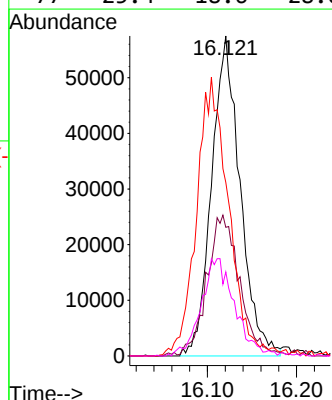
Ion Ratio Lower Upper

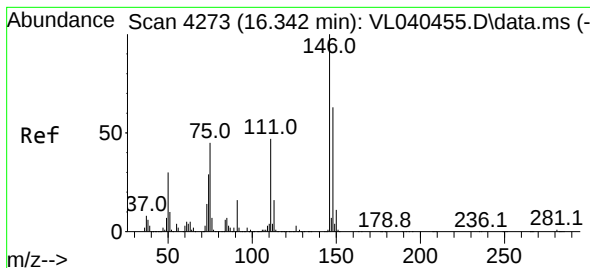
105 100

120 39.7 38.4 57.6

91 53.0 41.3 61.9

77 25.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 0.480 ppbv m

RT: 16.346 min Scan# 4318

Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

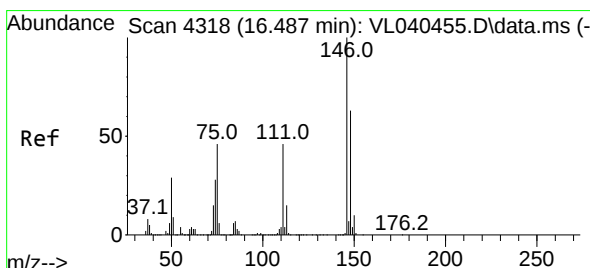
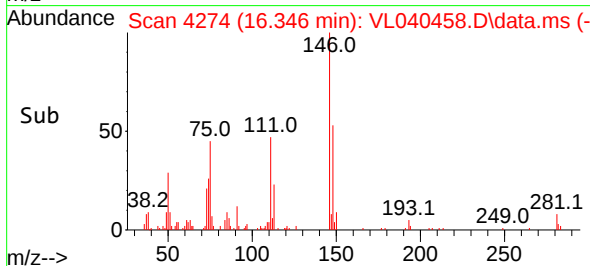
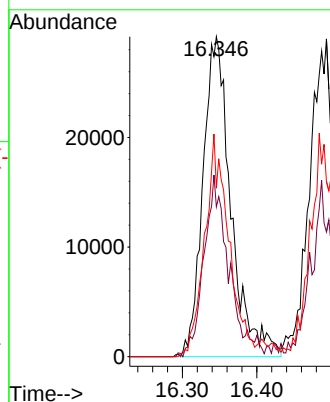
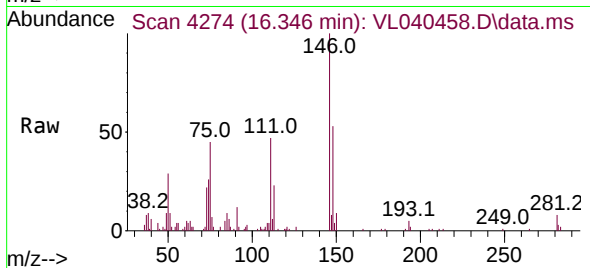
Tgt Ion:146	Resp:	7616
Ion Ratio	Lower	Upper
146	100	
111	52.1	24.6 73.8
148	62.0	32.4 97.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023



#76

1,4-Dichlorobenzene

Concen: 0.472 ppbv m

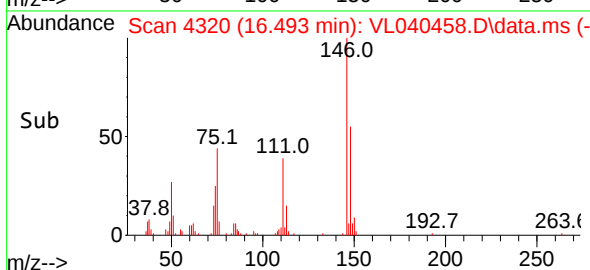
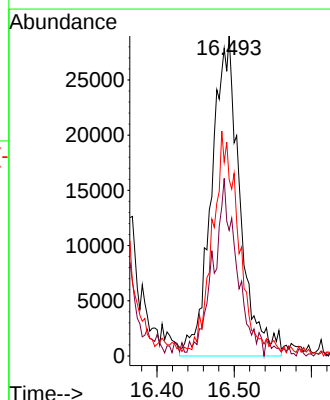
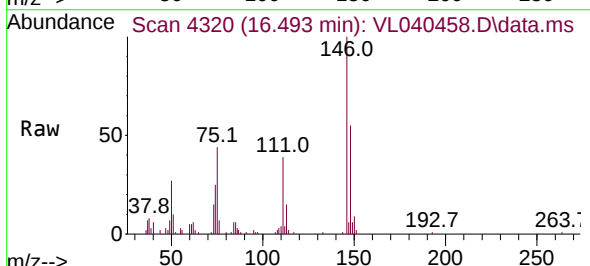
RT: 16.493 min Scan# 4320

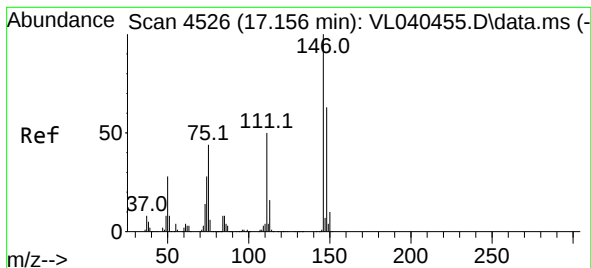
Delta R.T. 0.006 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Tgt Ion:146	Resp:	74258
Ion Ratio	Lower	Upper
146	100	
111	49.3	23.8 71.5
148	65.8	32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 0.491 ppbv m

RT: 17.156 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

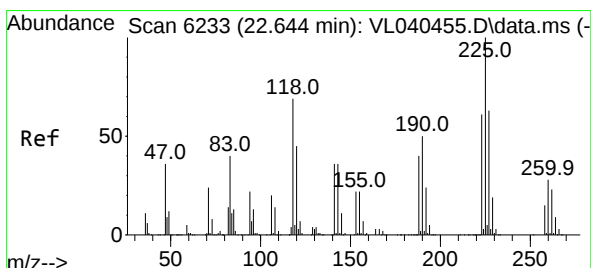
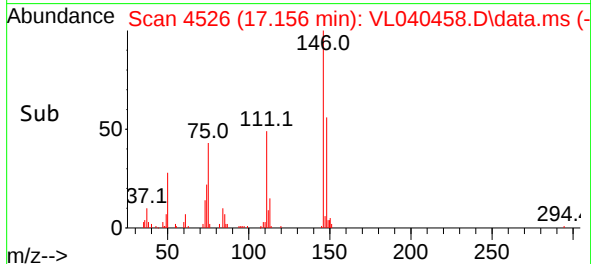
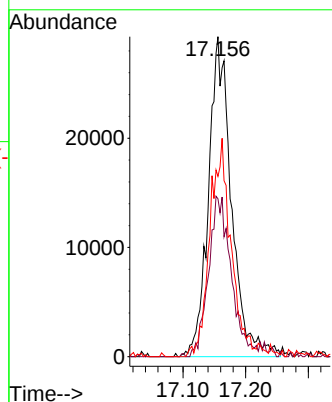
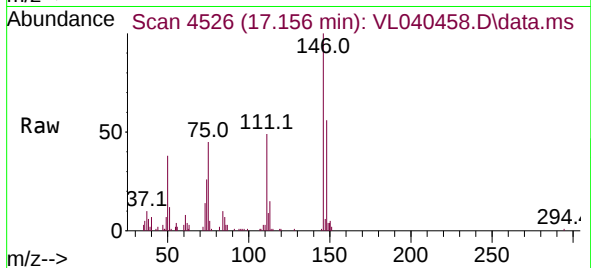
VSTDIC0.5

Tgt Ion:	146	Resp:	7474
Ion Ratio	Lower	Upper	
146	100		
111	49.7	25.1	75.3
148	0.0	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023



#78

Hexachloro-1,3-Butadiene

Concen: 0.534 ppbv m

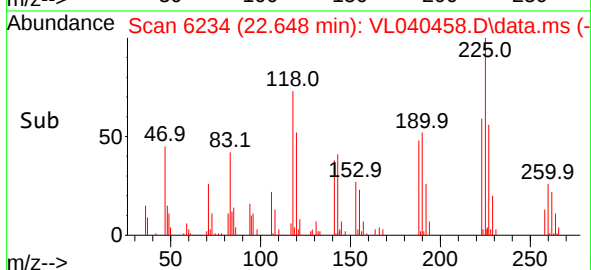
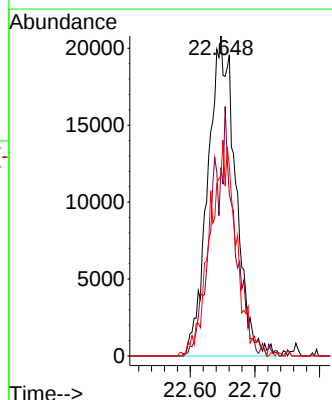
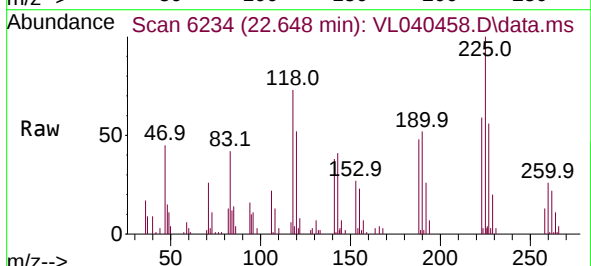
RT: 22.648 min Scan# 6234

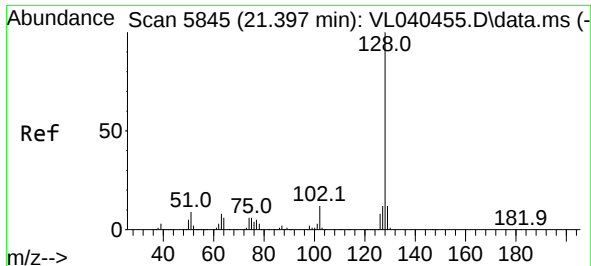
Delta R.T. 0.003 min

Lab File: VL040458.D

Acq: 5 Jun 2023 16:05

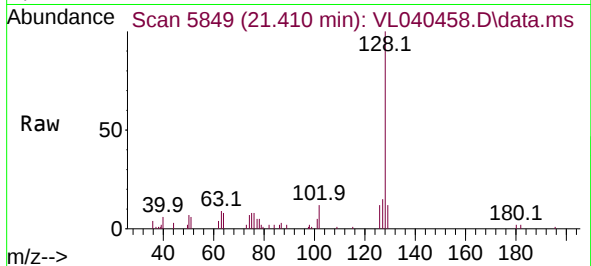
Tgt Ion:	225	Resp:	62138
Ion Ratio	Lower	Upper	
225	100		
223	64.7	50.0	75.0
227	64.0	50.9	76.3





#79
Naphthalene
Concen: 0.375 ppbv m
RT: 21.410 min Scan# 5849
Delta R.T. 0.013 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05

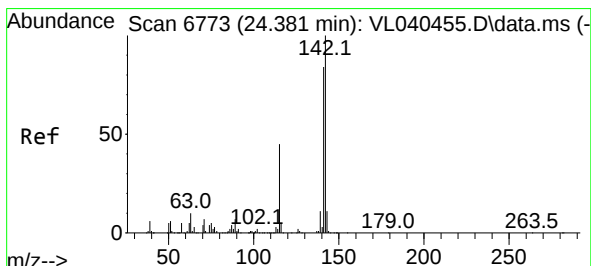
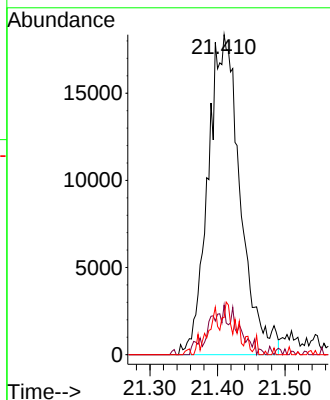
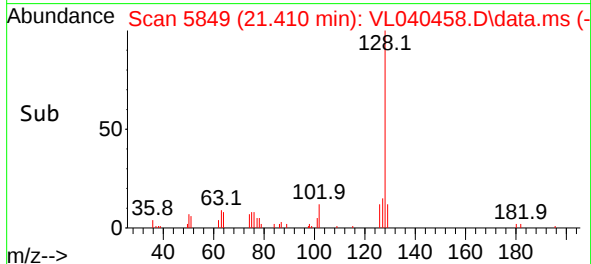
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



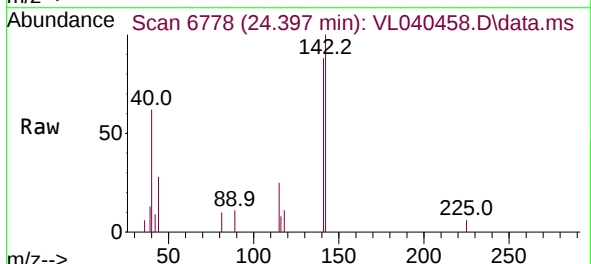
Tgt Ion:128 Resp: 60990
Ion Ratio Lower Upper
128 100
127 15.5 9.9 14.9
129 11.6 9.2 13.8

Manual Integrations
APPROVED

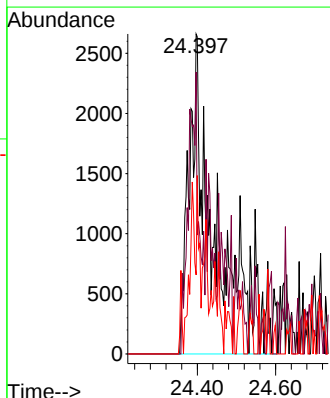
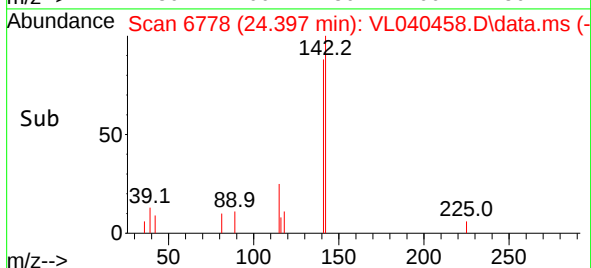
Reviewed By :Semsettin Yesilyurt 06/06/2023
Supervised By :Mahesh Dadoda 06/06/2023

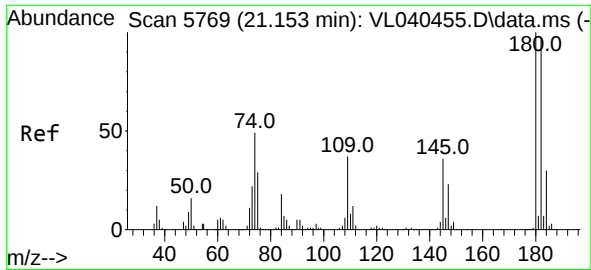


#80
Naphthalene,2-methyl-
Concen: 0.272 ppbv m
RT: 24.397 min Scan# 6778
Delta R.T. 0.016 min
Lab File: VL040458.D
Acq: 5 Jun 2023 16:05



Tgt Ion:142 Resp: 12437
Ion Ratio Lower Upper
142 100
141 33.0 65.4 98.0#
115 32.6 36.6 55.0#





#81

1,2,4-Trichlorobenzene

Concen: 0.408 ppbv m

RT: 21.156 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040458.D

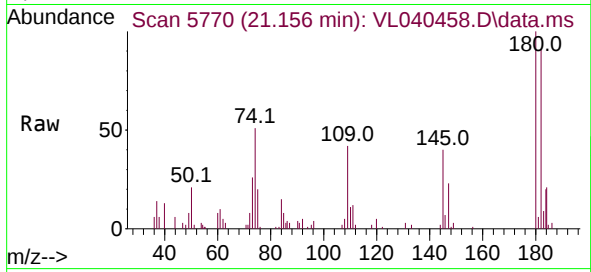
Acq: 5 Jun 2023 16:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 4595

Ion Ratio Lower Upper

180 100

182 96.9 77.2 115.8

184 32.2 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/06/2023

Supervised By :Mahesh Dadoda 06/06/2023

