

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040434.D
 Acq On : 16 May 2023 11:34
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: May 16 12:49:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 16 11:16:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Bromochloromethane	5.198	49	1040426	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2687738	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2362583	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1911589	9.784	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	123126	0.656	ppbv	97
3) Chlorodifluoromethane	2.674	51	69099	0.508	ppbv	100
4) Chloromethane	2.812	50	42107	0.490	ppbv	99
5) Vinyl Chloride	2.922	62	36611	0.516	ppbv	99
6) Bromomethane	3.118	94	11755m	0.503	ppbv	
7) Chloroethane	3.201	64	13598	0.507	ppbv #	84
8) Dichlorotetrafluoroethane	2.857	85	98466	0.537	ppbv	100
9) Propene	2.697	41	27844	0.518	ppbv	99
10) Heptane	7.587	43	51470	0.422	ppbv	94
11) Trichlorofluoromethane	3.562	101	97942	0.516	ppbv	85
12) 1,1,2-Trichlorotrifluo...	4.070	101	71707	0.540	ppbv	100
13) Ethanol	3.262	45	2131m	0.475	ppbv	
14) Bromoethene	3.369	108	26745	0.492	ppbv #	97
15) Acetone	3.481	43	74334	0.504	ppbv	95
16) 1,3-Butadiene	2.983	39	30222m	0.496	ppbv	
17) tert-Butyl alcohol	3.899	59	64358	0.476	ppbv	96
18) 1,1-Dichloroethene	3.883	96	30923	0.516	ppbv	86
19) Isopropyl Alcohol	3.600	45	29931	0.445	ppbv #	91
20) Methylene Chloride	3.934	84	33213	0.565	ppbv	95
21) Allyl Chloride	4.005	41	43396m	0.518	ppbv	
22) trans-1,2-Dichloroethene	4.452	96	30330	0.506	ppbv	91
23) Vinyl Acetate	4.632	43	16755m	0.447	ppbv	
24) 1,1-Dichloroethane	4.568	63	64093	0.513	ppbv #	96
25) Ethyl Acetate	5.221	43	126283	0.509	ppbv	99
26) Hexane	5.221	57	49382	0.472	ppbv	85
27) Carbon Disulfide	4.131	76	61344	0.453	ppbv #	88
28) Methyl tert-Butyl Ether	4.603	73	51966	0.482	ppbv	93
29) Chloroform	5.278	83	99321	0.533	ppbv	94
30) Cyclohexane	6.610	84	44794m	0.553	ppbv	
31) cis-1,2-Dichloroethene	5.086	61	45931	0.443	ppbv #	85
32) 1,1,1-Trichloroethane	6.012	97	89011	0.492	ppbv	98
34) 2-Butanone	4.809	43	71016	0.490	ppbv	99
35) Carbon Tetrachloride	6.497	117	90151m	0.476	ppbv	
36) Benzene	6.378	78	102715	0.468	ppbv	96
37) 1,2-Dichloroethane	5.815	62	68393	0.475	ppbv	99
38) Trichloroethene	7.301	130	57226	0.459	ppbv	96
39) 1,2-Dichloropropane	7.079	63	40741m	0.472	ppbv	
40) 1,4-Dioxane	7.339	88	16015m	0.485	ppbv	
41) Tetrahydrofuran	5.590	42	33774m	0.426	ppbv	
42) Bromodichloromethane	7.256	83	87346m	0.444	ppbv	
43) Methyl Methacrylate	7.494	69	31872	0.391	ppbv	94
44) 2,2,4-Trimethylpentane	7.339	57	159287	0.435	ppbv	92
45) t-1,3-Dichloropropene	8.719	75	25366m	0.349	ppbv	

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Instrument :
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 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 16 12:49:02 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Tue May 16 11:16:05 2023

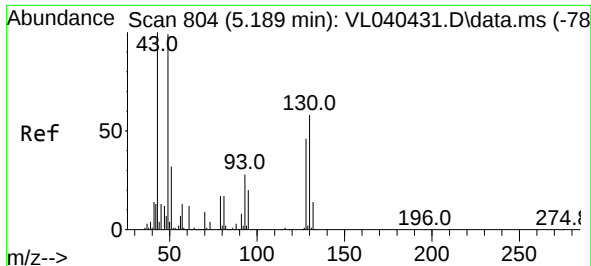
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	38957m	0.385	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	45015	0.476	ppbv	88
48) Dibromochloromethane	9.719	129	60286m	0.396	ppbv	
49) Bromoform	12.416	173	46129m	0.388	ppbv	
50) 4-Methyl-2-Pentanone	8.208	43	97186m	0.442	ppbv	
51) 2-Hexanone	9.581	43	62530m	0.385	ppbv	
52) Tetrachloroethene	10.626	164	34105m	0.497	ppbv	
53) Toluene	9.227	91	90549	0.389	ppbv	99
54) 1,2-Dibromoethane	10.021	107	44085m	0.460	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.519	131	53323m	0.494	ppbv	
57) Chlorobenzene	11.532	112	97236m	0.526	ppbv	
58) Ethyl Benzene	12.101	91	118831	0.409	ppbv	95
59) m/p-Xylene	12.381	91	232424m	0.870	ppbv	
60) o-Xylene	13.072	91	106656	0.416	ppbv	100
61) Styrene	12.912	104	42672m	0.332	ppbv	
62) Isopropylbenzene	14.043	105	171074m	0.463	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.066	83	45796m	0.488	ppbv	
64) n-propylbenzene	14.931	120	40526	0.446	ppbv	86
65) tert-Butylbenzene	16.108	119	146063m	0.449	ppbv	
66) Benzyl Chloride	16.349	91	8076m	0.401	ppbv	
67) sec-Butylbenzene	16.648	105	208971	0.448	ppbv	99
69) p-Isopropyltoluene	17.008	119	155314m	0.426	ppbv	
70) n-Butylbenzene	17.905	91	175648m	0.435	ppbv	
71) 2-Chlorotoluene	14.821	91	121671m	0.429	ppbv	
72) 4-Ethyltoluene	15.207	105	122468m	0.432	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	116292m	0.445	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	140820m	0.471	ppbv	
75) 1,3-Dichlorobenzene	16.342	146	79616m	0.486	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	78340m	0.484	ppbv	
77) 1,2-Dichlorobenzene	17.165	146	76267m	0.471	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	64845m	0.500	ppbv	
79) Naphthalene	21.406	128	66916m	0.332	ppbv	
80) Naphthalene,2-methyl-	24.400	142	9967m	0.166	ppbv	
81) 1,2,4-Trichlorobenzene	21.162	180	46327m	0.374	ppbv	

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

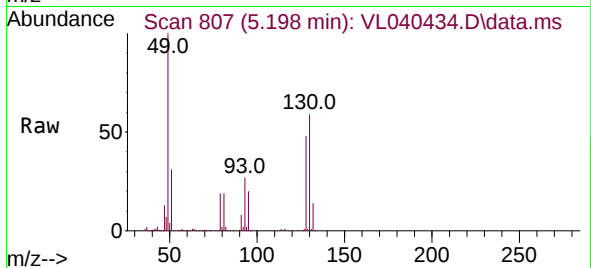
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

[illegible]



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.009 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

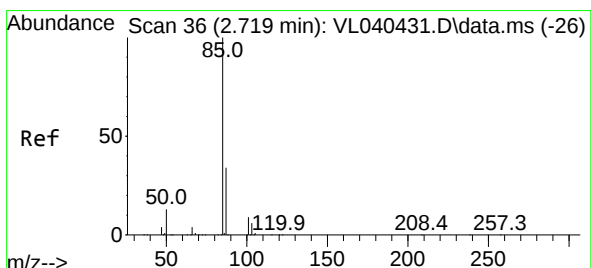
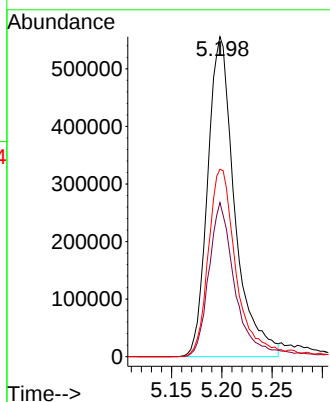
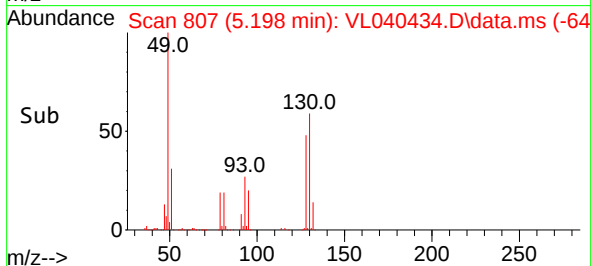
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 49 Resp: 1040420
Ion Ratio Lower Upper
49 100
128 48.2 23.7 71.1
130 63.5 29.9 89.8

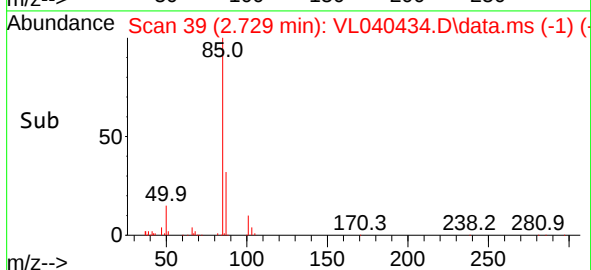
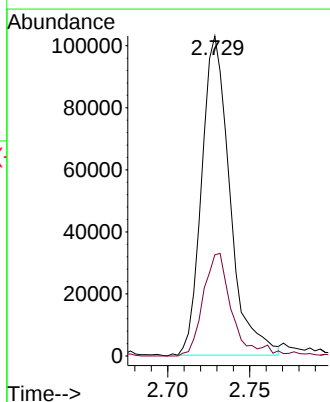
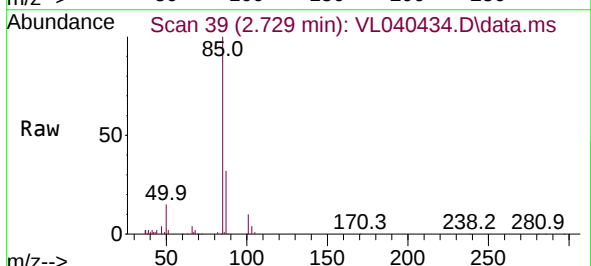
Manual Integrations
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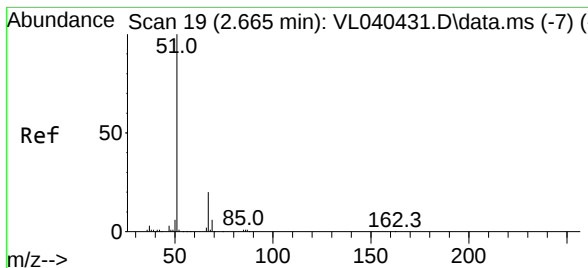
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#2
Dichlorodifluoromethane
Concen: 0.656 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.013 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion: 85 Resp: 123126
Ion Ratio Lower Upper
85 100
87 31.7 26.6 40.0





#3

Chlorodifluoromethane

Concen: 0.508 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 51 Resp: 6909

Ion Ratio Lower Upper

51 100

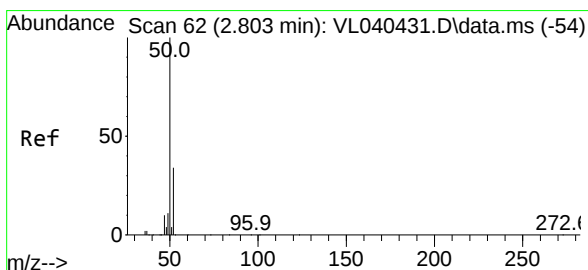
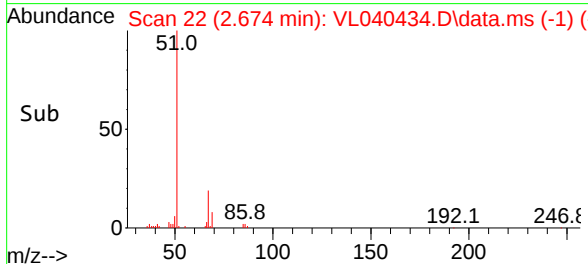
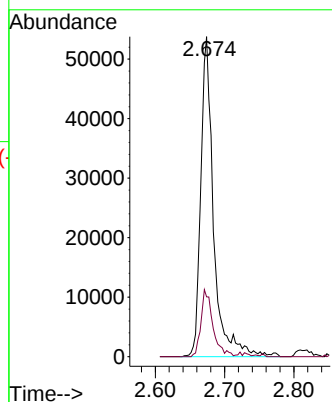
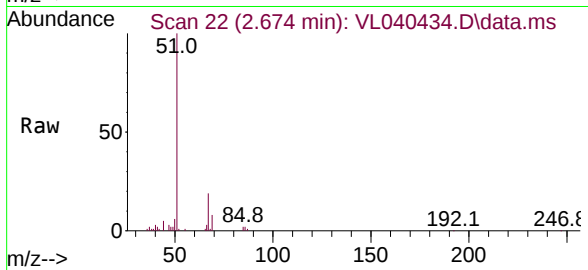
67 19.6 15.5 23.3

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Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#4

Chloromethane

Concen: 0.490 ppbv

RT: 2.812 min Scan# 65

Delta R.T. 0.012 min

Lab File: VL040434.D

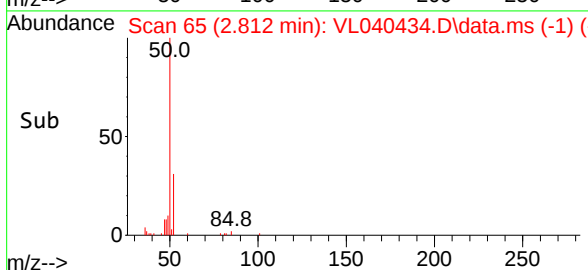
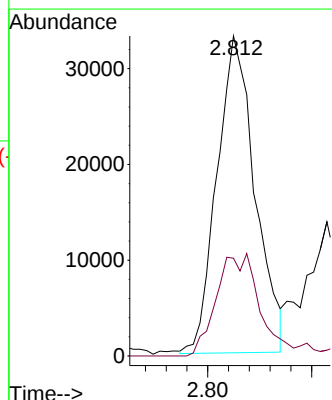
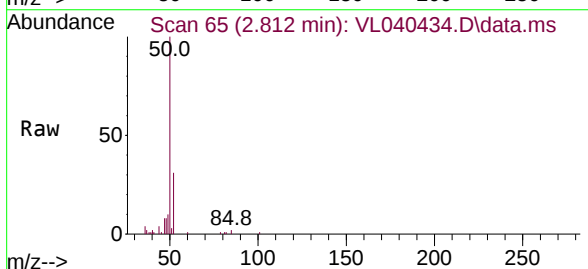
Acq: 16 May 2023 11:34

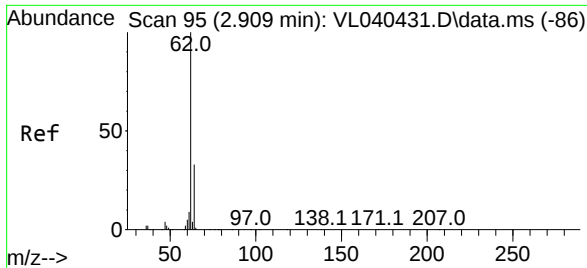
Tgt Ion: 50 Resp: 42107

Ion Ratio Lower Upper

50 100

52 31.0 25.3 37.9





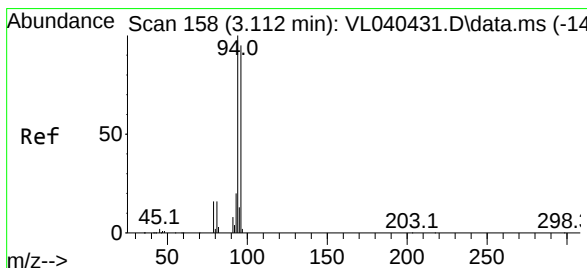
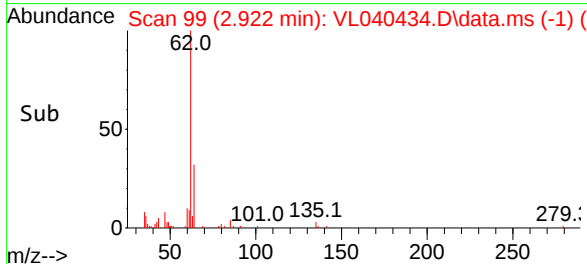
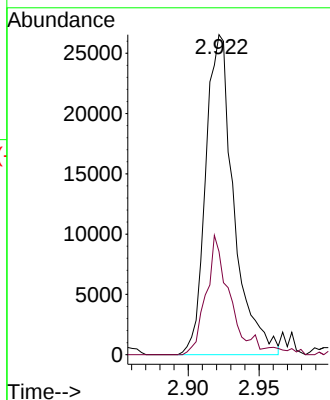
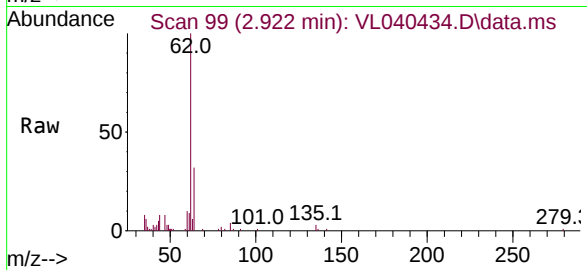
#5
 Vinyl Chloride
 Concen: 0.516 ppbv
 RT: 2.922 min Scan# 95
 Delta R.T. 0.013 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 62 Resp: 3661
 Ion Ratio Lower Upper
 62 100
 64 32.2 26.3 39.5

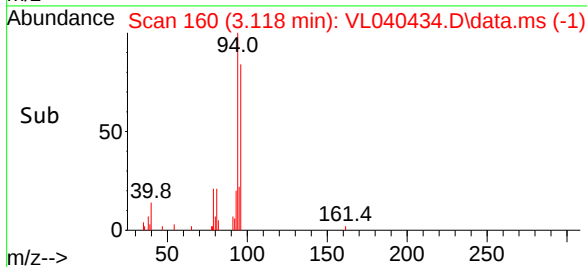
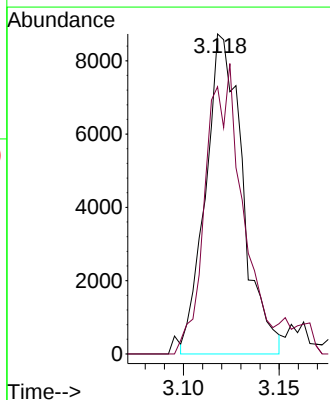
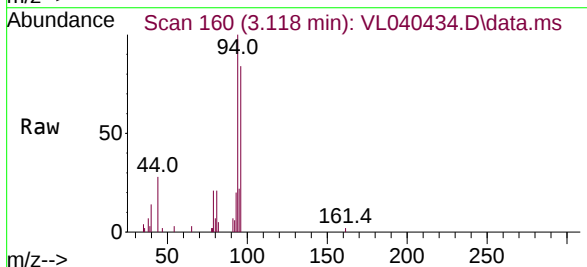
Manual Integrations
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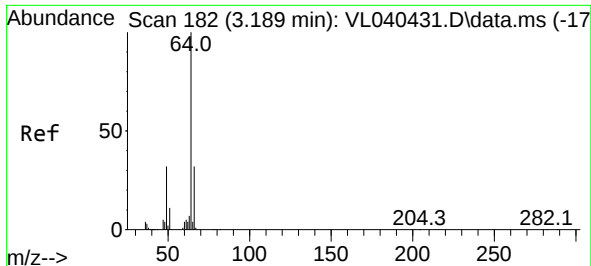
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#6
 Bromomethane
 Concen: 0.503 ppbv m
 RT: 3.118 min Scan# 160
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

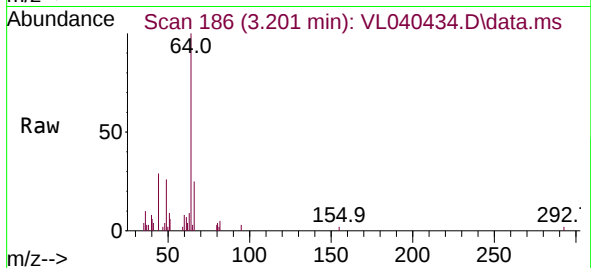
Tgt Ion: 94 Resp: 11755
 Ion Ratio Lower Upper
 94 100
 96 83.5 72.6 108.8





#7
Chloroethane
Concen: 0.507 ppbv
RT: 3.201 min Scan# 11
Delta R.T. 0.016 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

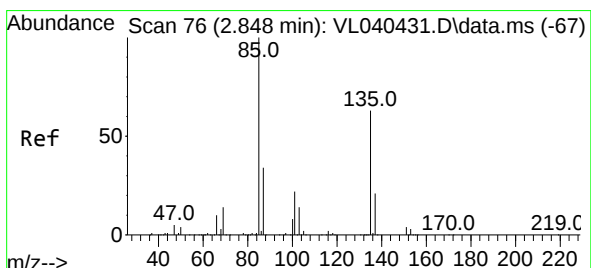
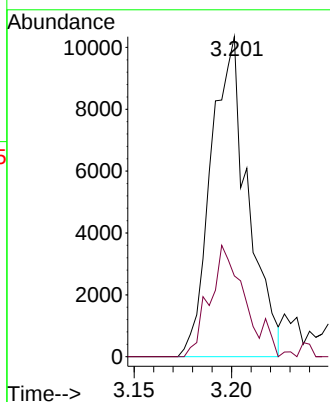
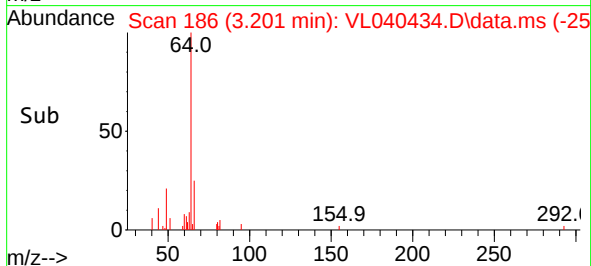
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 64 Resp: 13598
Ion Ratio Lower Upper
64 100
66 25.2 27.5 41.3

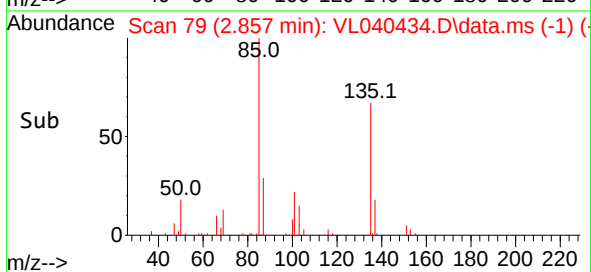
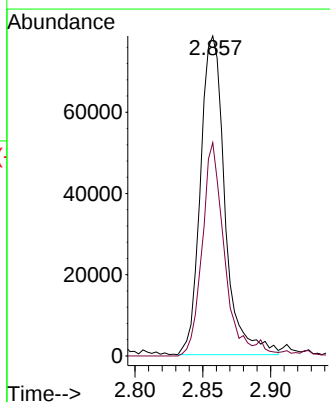
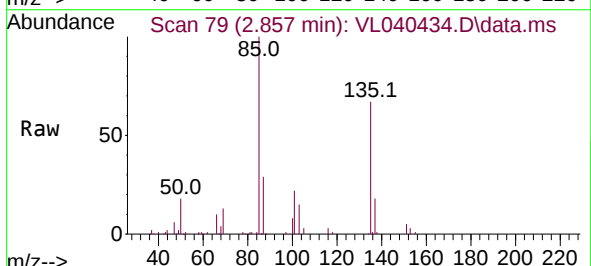
Manual Integrations
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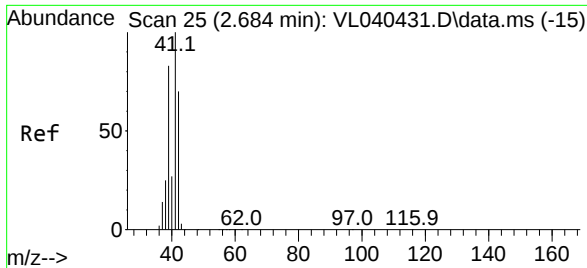
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.012 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

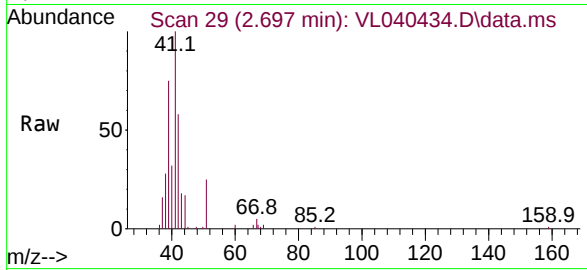
Tgt Ion: 85 Resp: 98466
Ion Ratio Lower Upper
85 100
135 63.5 50.7 76.1





#9
 Propene
 Concen: 0.518 ppbv
 RT: 2.697 min Scan# 29
 Delta R.T. 0.016 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

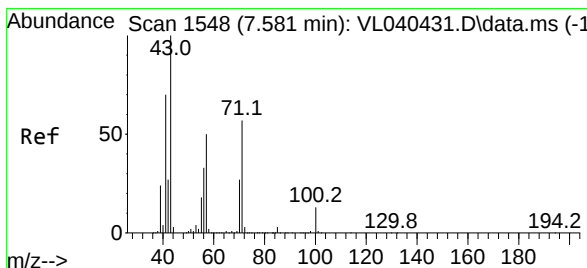
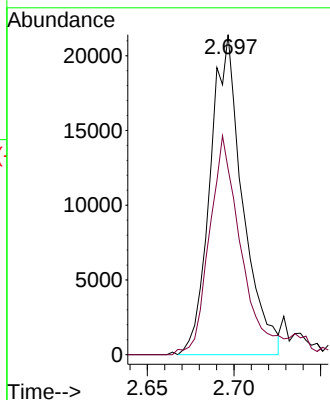
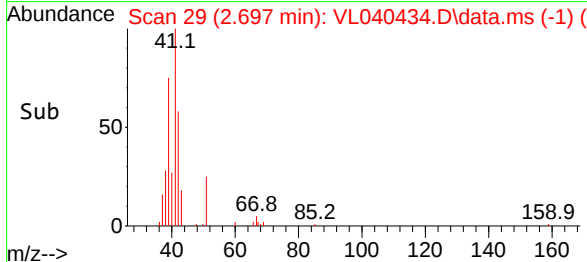
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5



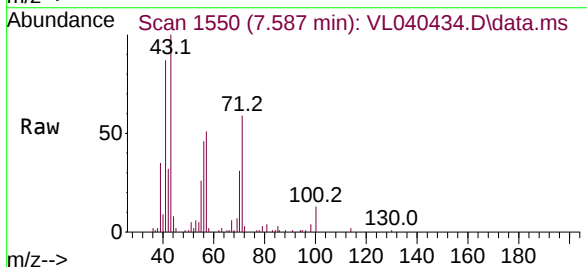
Tgt Ion: 41 Resp: 2784
 Ion Ratio Lower Upper
 41 100
 42 71.8 56.5 84.7

Manual Integrations
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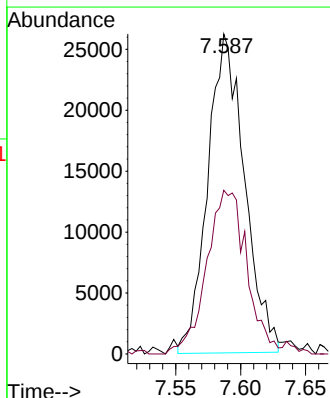
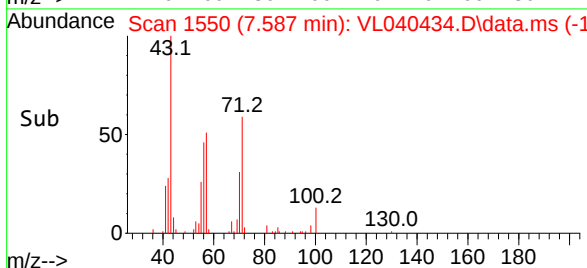
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

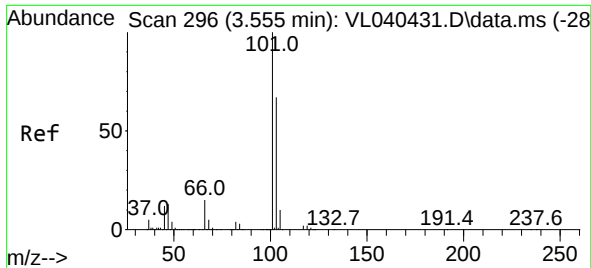


#10
 Heptane
 Concen: 0.422 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. 0.006 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34



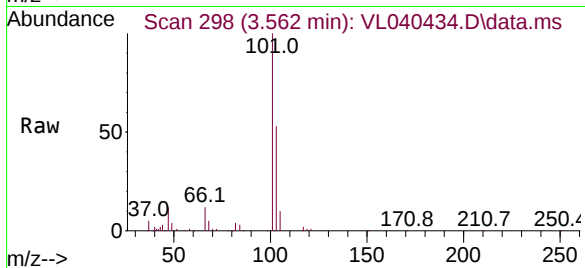
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 Ion Ratio Lower Upper
 43 100
 57 57.0 42.2 63.4





#11
 Trichlorofluoromethane
 Concen: 0.516 ppbv
 RT: 3.562 min Scan# 296
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

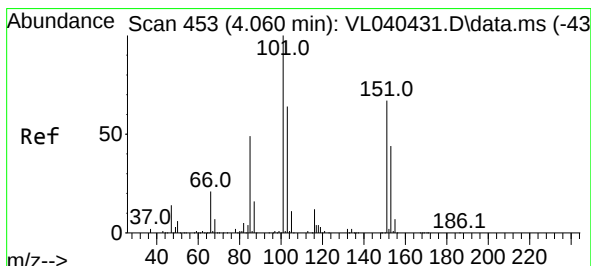
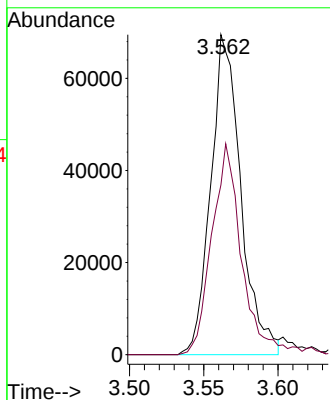
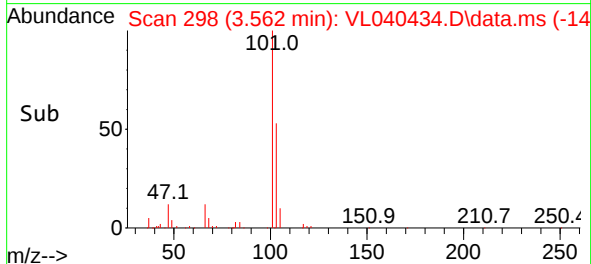
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



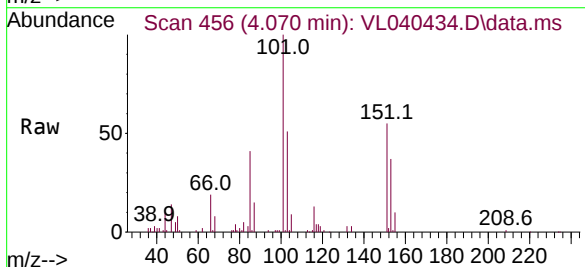
Tgt Ion:101 Resp: 9794
 Ion Ratio Lower Upper
 101 100
 103 53.1 52.2 78.4

Manual Integrations
 APPROVED

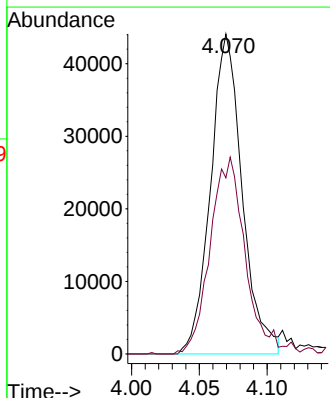
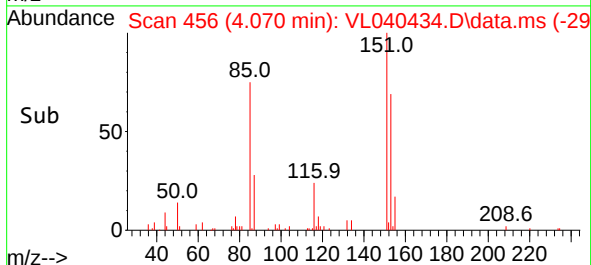
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

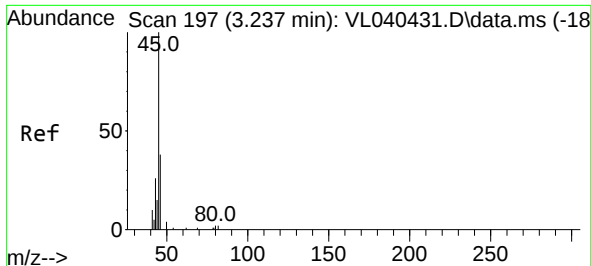


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.540 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34



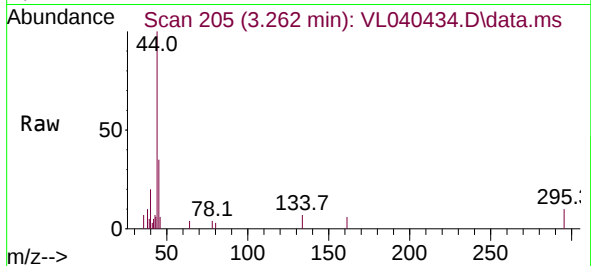
Tgt Ion:101 Resp: 71707
 Ion Ratio Lower Upper
 101 100
 151 68.4 54.7 82.1





#13
Ethanol
Concen: 0.475 ppbv m
RT: 3.262 min Scan# 205
Delta R.T. 0.032 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

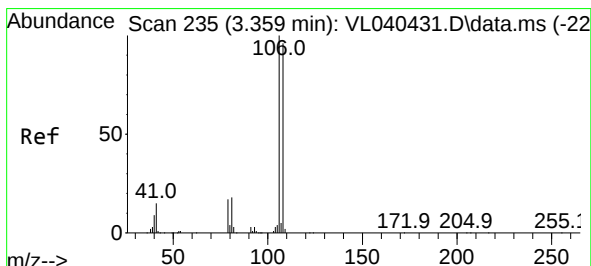
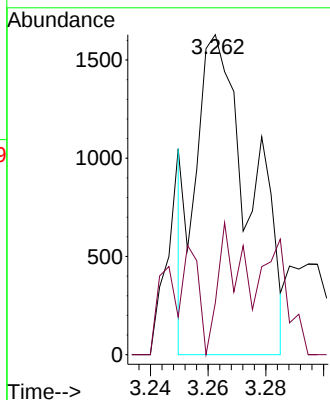
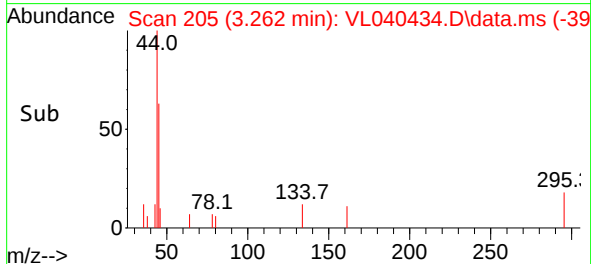
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



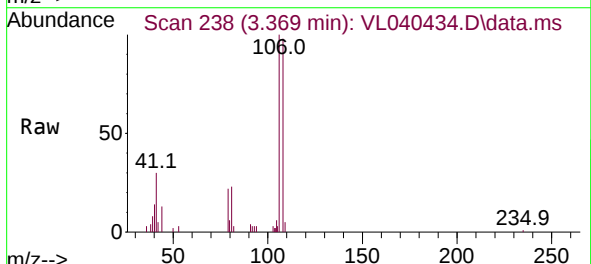
Tgt Ion: 45 Resp: 213
Ion Ratio Lower Upper
45 100
46 54.2 15.3 61.3

Manual Integrations
APPROVED

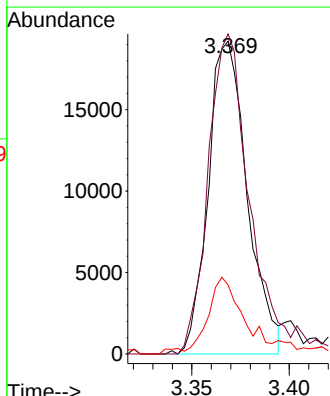
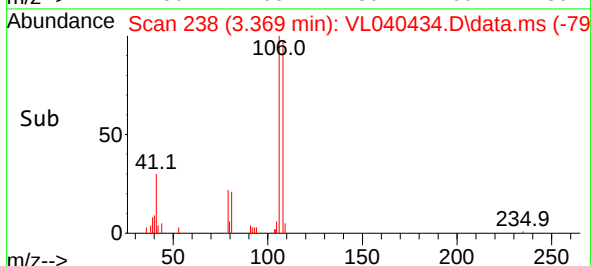
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

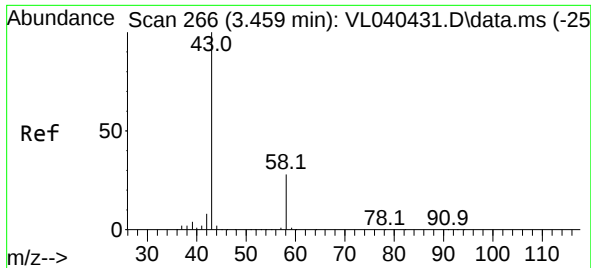


#14
Bromoethene
Concen: 0.492 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.013 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34



Tgt Ion:108 Resp: 26745
Ion Ratio Lower Upper
108 100
106 111.4 88.3 132.5
79 26.4 16.1 24.1#





#15

Acetone

Concen: 0.504 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 74334

Ion Ratio Lower Upper

43 100

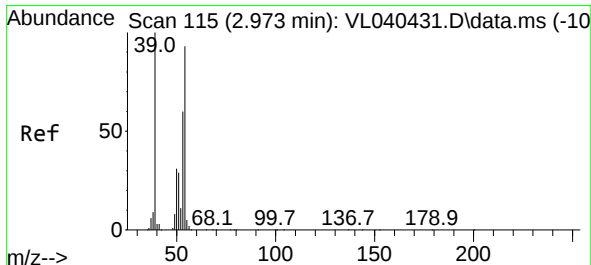
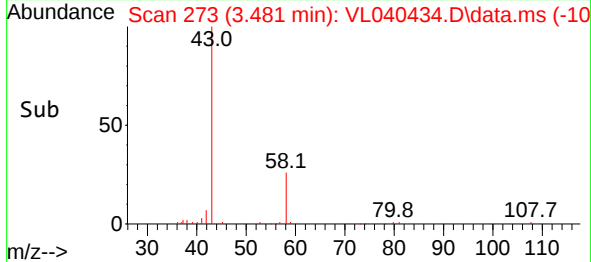
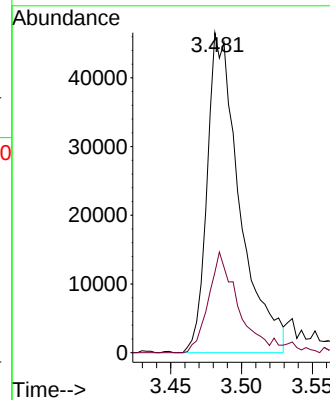
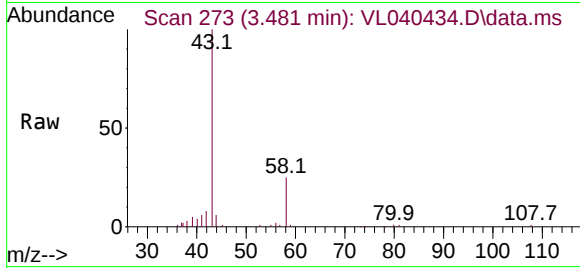
58 30.5 22.2 33.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#16

1,3-Butadiene

Concen: 0.496 ppbv m

RT: 2.983 min Scan# 118

Delta R.T. 0.010 min

Lab File: VL040434.D

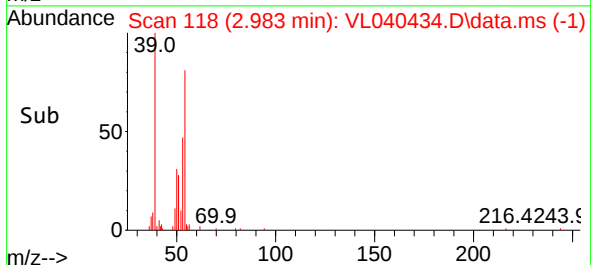
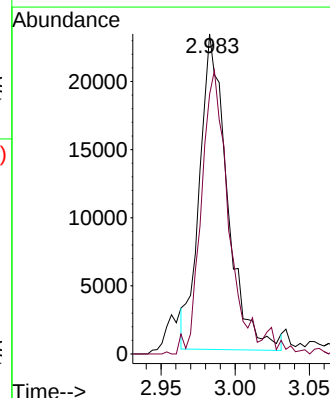
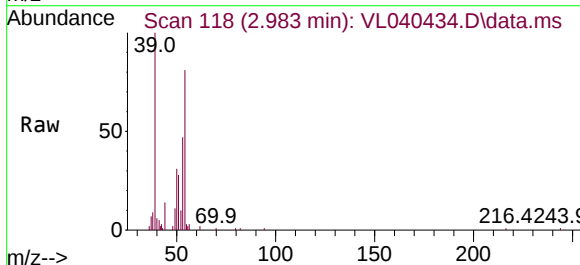
Acq: 16 May 2023 11:34

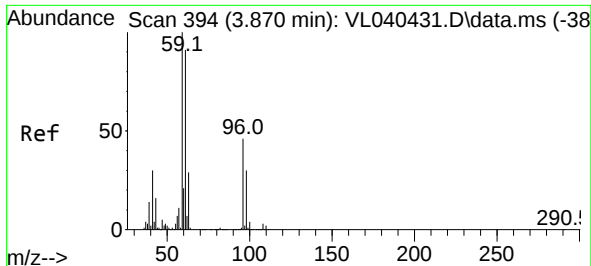
Tgt Ion: 39 Resp: 30222

Ion Ratio Lower Upper

39 100

54 90.8 68.8 103.2





#17

tert-Butyl alcohol

Concen: 0.476 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.032 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 59 Resp: 6435

Ion Ratio Lower Upper

59 100

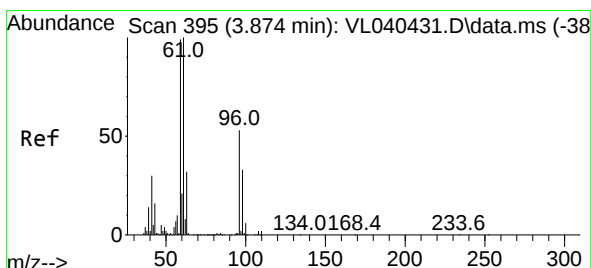
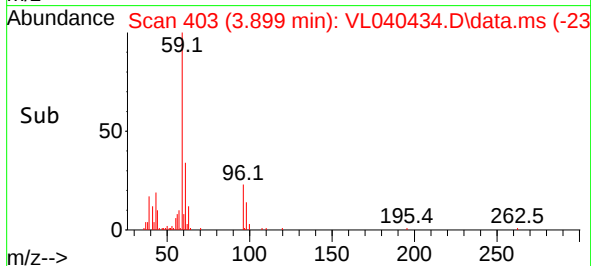
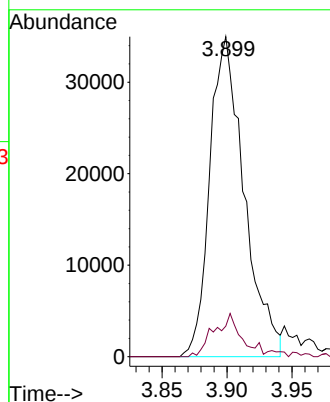
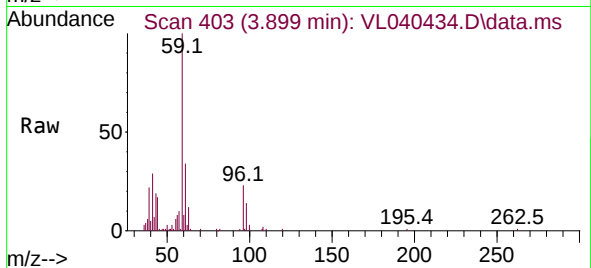
57 12.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#18

1,1-Dichloroethene

Concen: 0.516 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.013 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

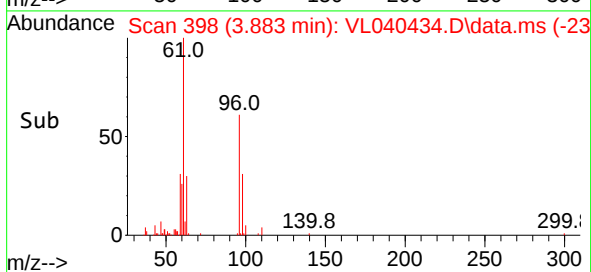
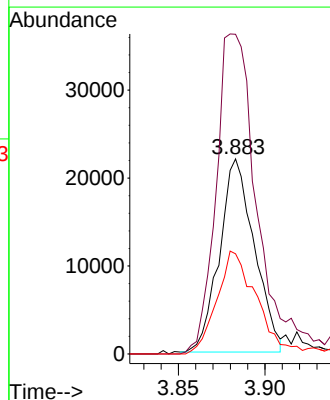
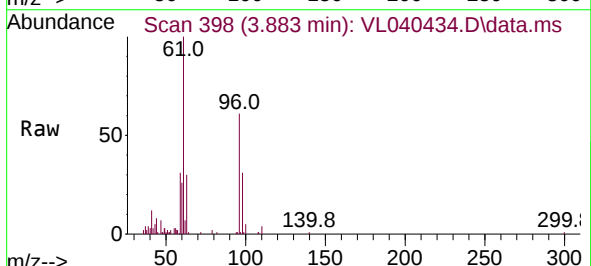
Tgt Ion: 96 Resp: 30923

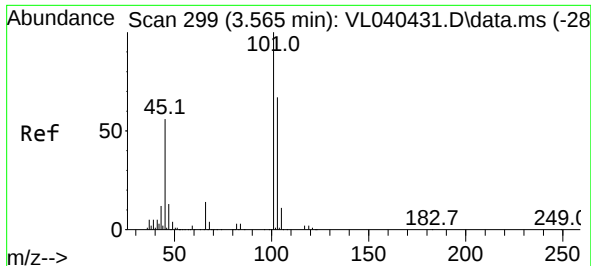
Ion Ratio Lower Upper

96 100

61 165.6 148.3 222.5

98 51.9 49.8 74.8





#19

Isopropyl Alcohol

Concen: 0.445 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.035 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

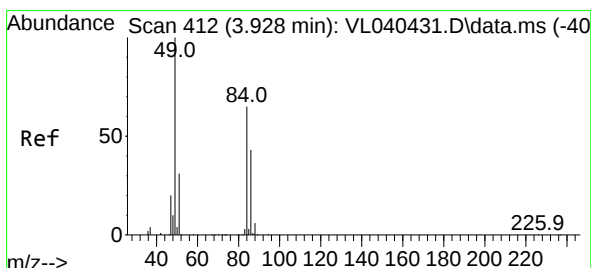
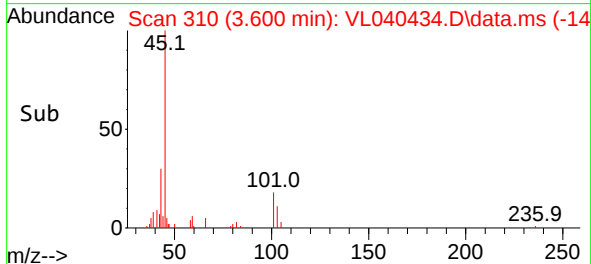
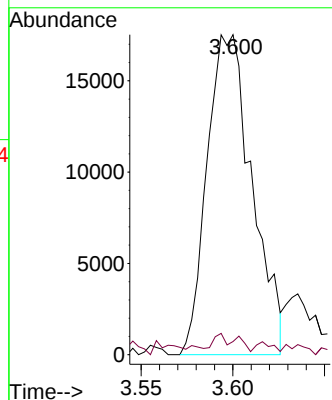
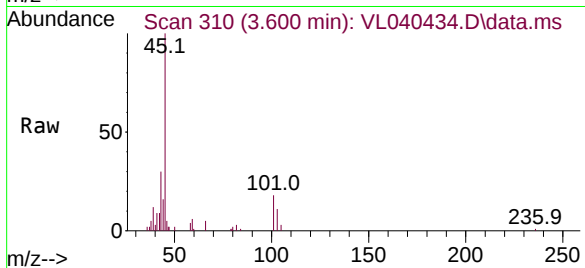
VSTDICC0.5

Tgt Ion: 45 Resp: 2993
 Ion Ratio Lower Upper
 45 100
 58 6.3 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#20

Methylene Chloride

Concen: 0.565 ppbv

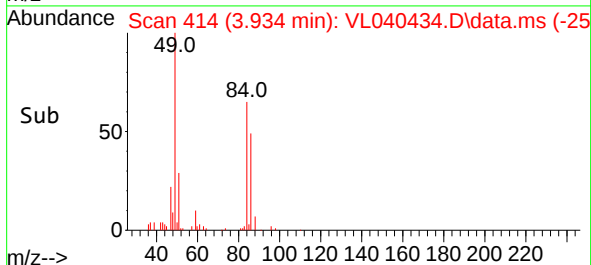
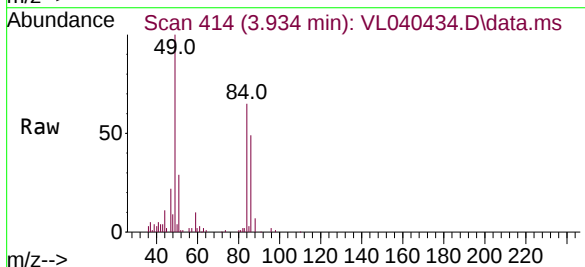
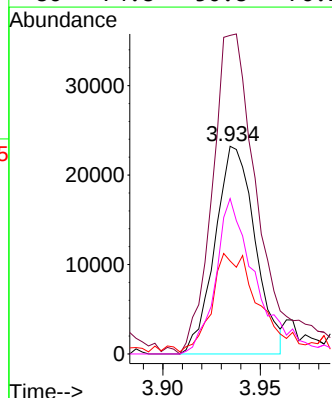
RT: 3.934 min Scan# 414

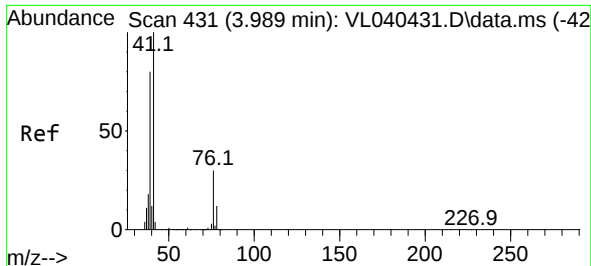
Delta R.T. 0.009 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

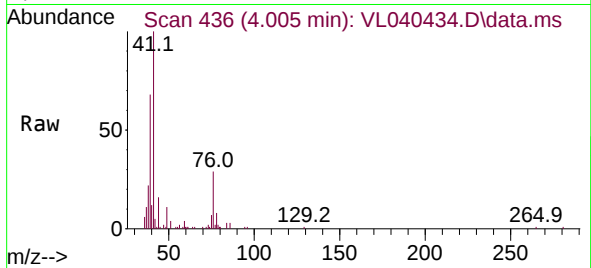
Tgt Ion: 84 Resp: 33213
 Ion Ratio Lower Upper
 84 100
 49 153.4 120.1 180.1
 51 45.9 36.3 54.5
 86 74.8 50.8 76.2





#21
 Allyl Chloride
 Concen: 0.518 ppbv m
 RT: 4.005 min Scan# 41
 Delta R.T. 0.019 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

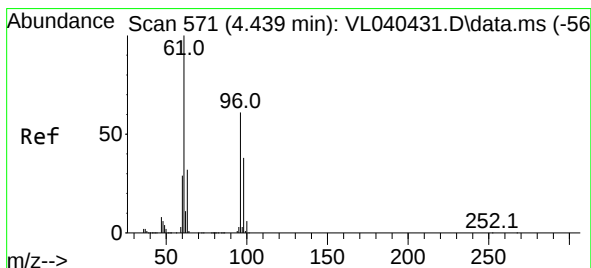
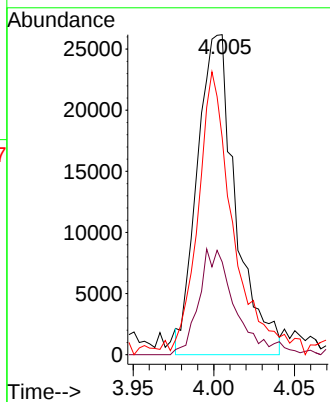
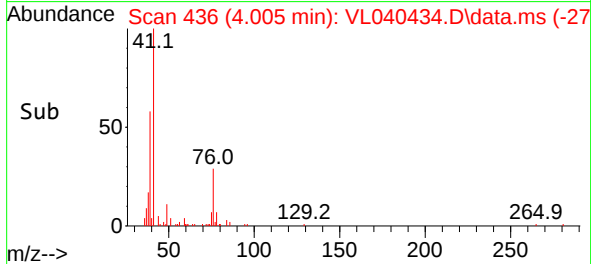
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



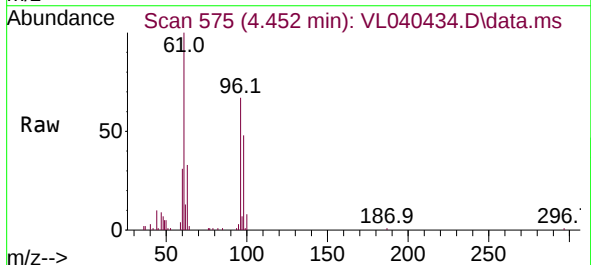
Tgt Ion: 41 Resp: 43390
 Ion Ratio Lower Upper
 41 100
 76 32.1 25.5 38.3
 39 82.4 64.0 96.0

Manual Integrations
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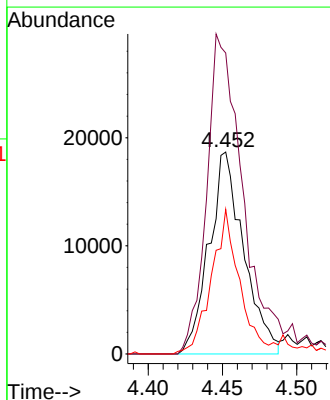
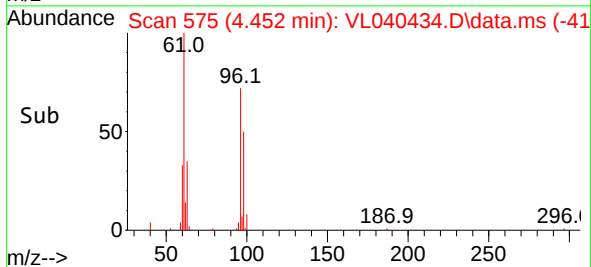
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

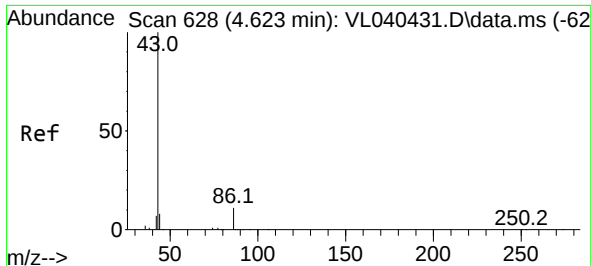


#22
 trans-1,2-Dichloroethene
 Concen: 0.506 ppbv
 RT: 4.452 min Scan# 575
 Delta R.T. 0.013 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34



Tgt Ion: 96 Resp: 30330
 Ion Ratio Lower Upper
 96 100
 61 149.0 129.4 194.2
 98 70.2 51.0 76.4





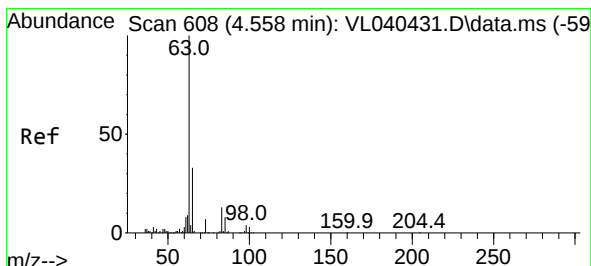
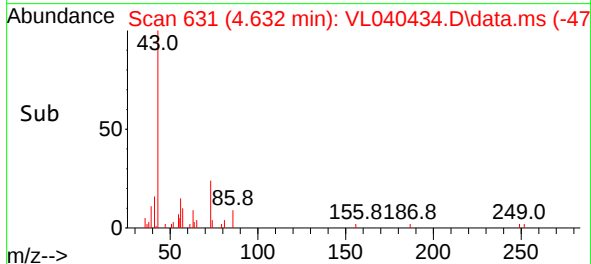
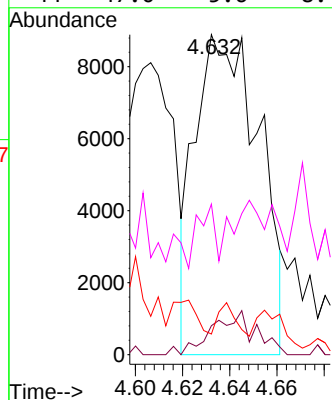
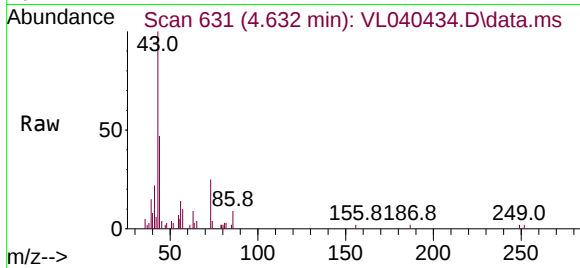
#23
 Vinyl Acetate
 Concen: 0.447 ppbv m
 RT: 4.632 min Scan# 610
 Delta R.T. 0.013 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 1675
 Ion Ratio Lower Upper
 43 100
 86 9.0 6.0 9.0
 42 6.4 6.4 9.6
 44 47.0 5.6 8.4#

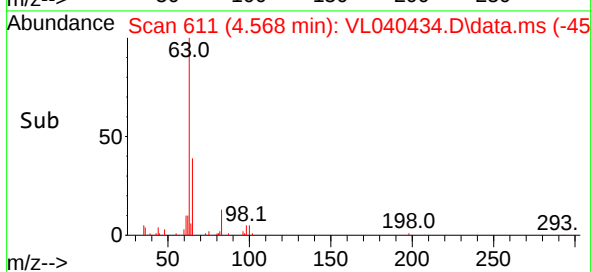
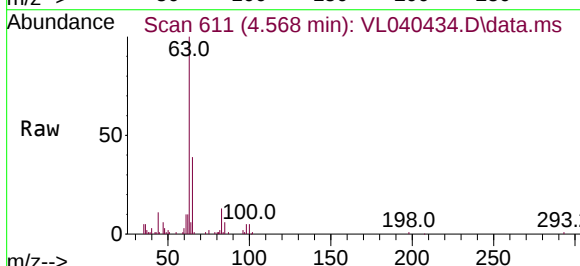
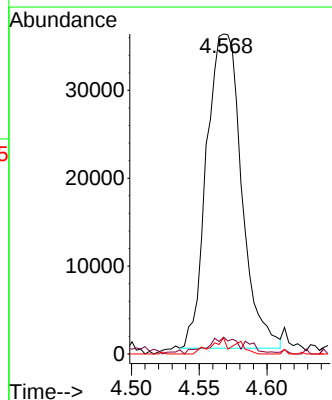
Manual Integrations
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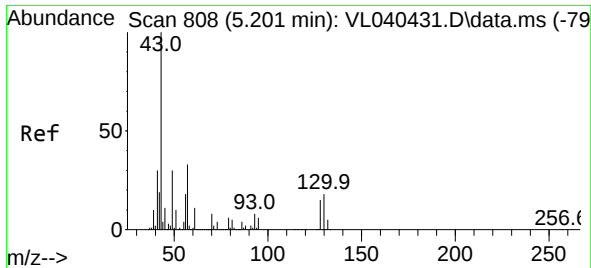
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 0.513 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

Tgt Ion: 63 Resp: 64093
 Ion Ratio Lower Upper
 63 100
 98 4.8 2.1 6.2
 100 5.2 1.2 3.6#





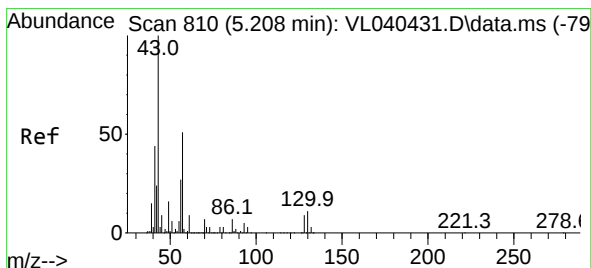
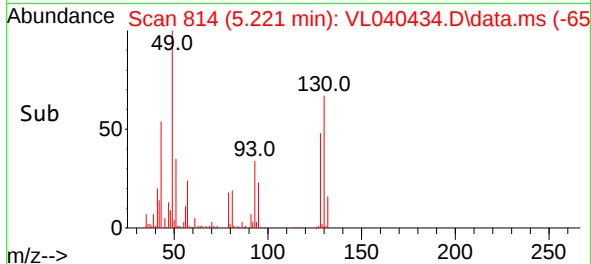
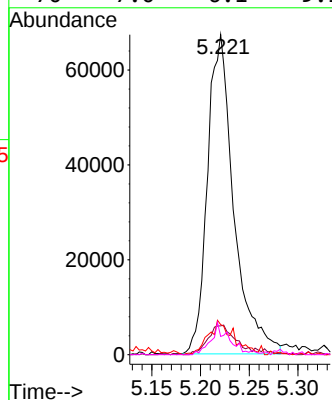
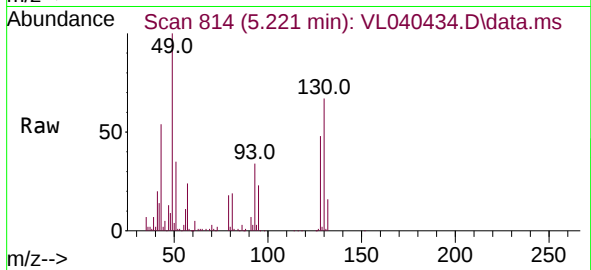
#25
Ethyl Acetate
Concen: 0.509 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.020 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43	Resp: 12628
Ion Ratio	Lower Upper
43 100	
45 10.6	8.5 12.7
61 10.6	8.5 12.7
70 7.0	6.1 9.1

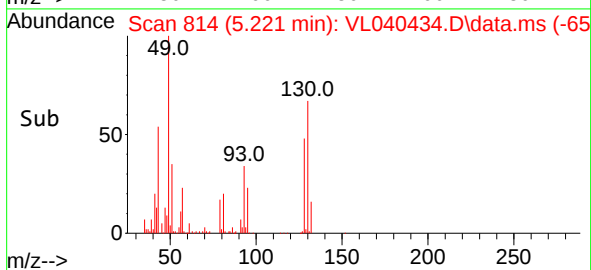
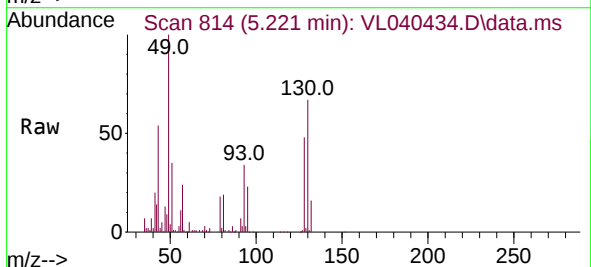
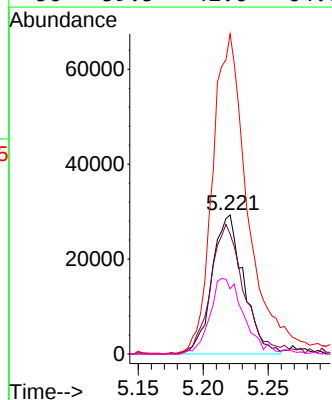
Manual Integrations
APPROVED

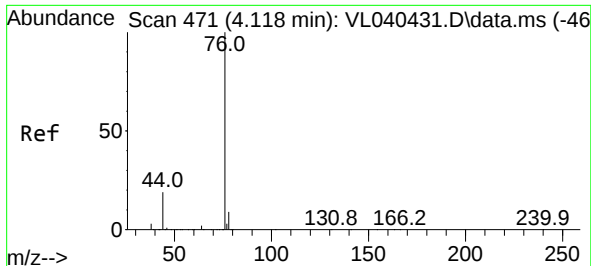
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#26
Hexane
Concen: 0.472 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

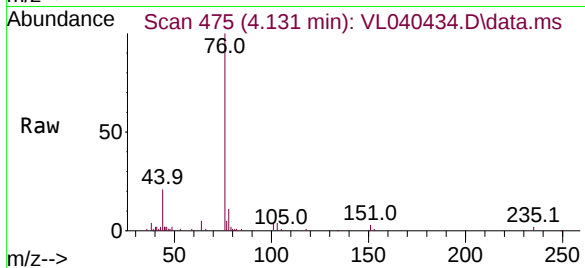
Tgt Ion: 57	Resp: 49382
Ion Ratio	Lower Upper
57 100	
41 101.6	74.8 112.2
43 271.9	192.7 289.1
56 59.5	42.6 64.0





#27
Carbon Disulfide
Concen: 0.453 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

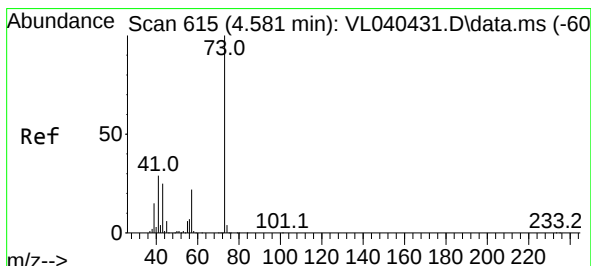
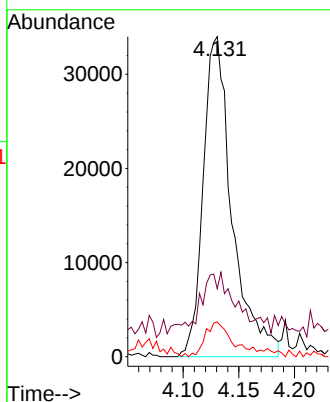
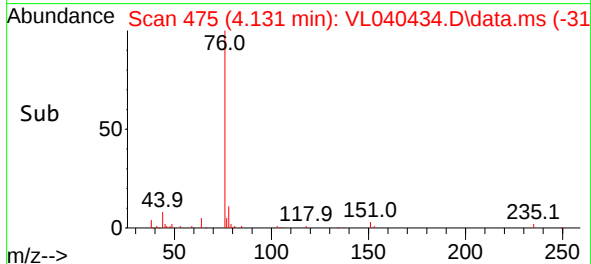
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



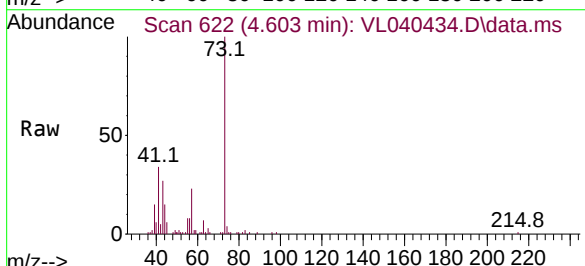
Tgt Ion: 76 Resp: 61344
Ion Ratio Lower Upper
76 100
44 25.8 14.7 22.1
78 10.3 7.7 11.5

Manual Integrations
APPROVED

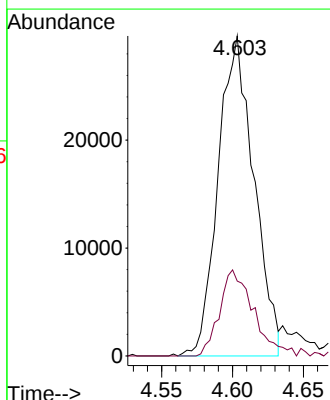
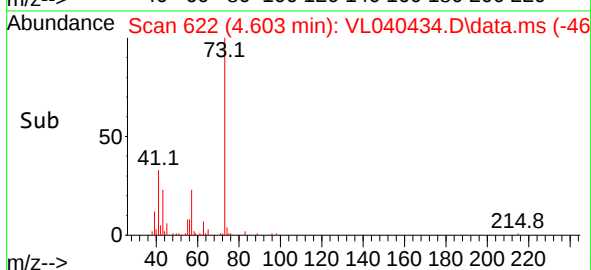
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

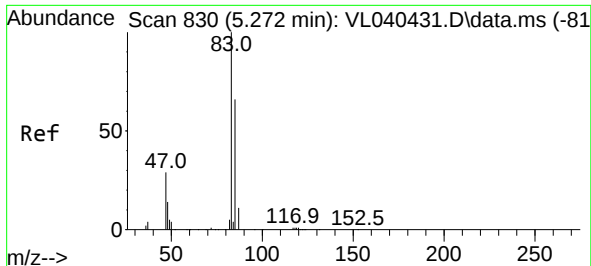


#28
Methyl tert-Butyl Ether
Concen: 0.482 ppbv
RT: 4.603 min Scan# 622
Delta R.T. 0.022 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34



Tgt Ion: 73 Resp: 51966
Ion Ratio Lower Upper
73 100
57 26.4 18.6 27.8





#29

Chloroform

Concen: 0.533 ppbv

RT: 5.278 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 83 Resp: 9932

Ion Ratio Lower Upper

83 100

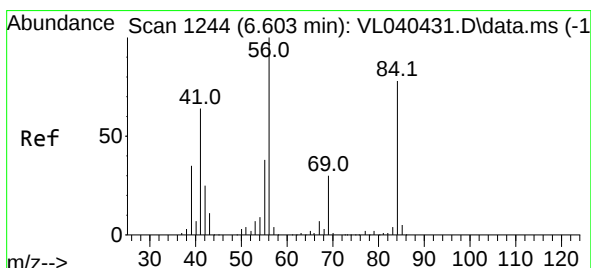
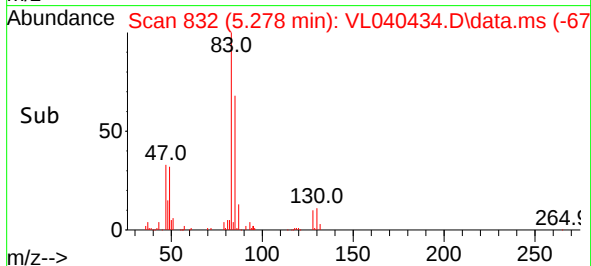
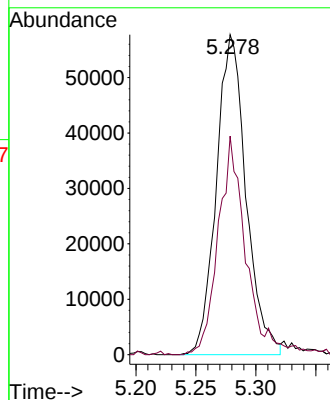
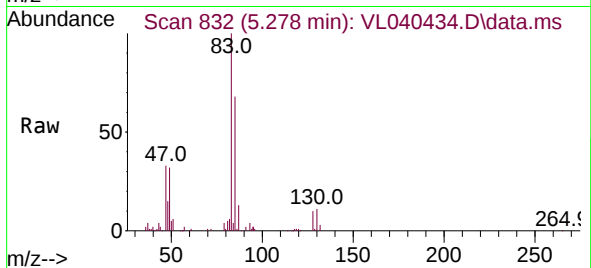
85 68.3 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Cyclohexane

Concen: 0.553 ppbv m

RT: 6.610 min Scan# 1246

Delta R.T. 0.010 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

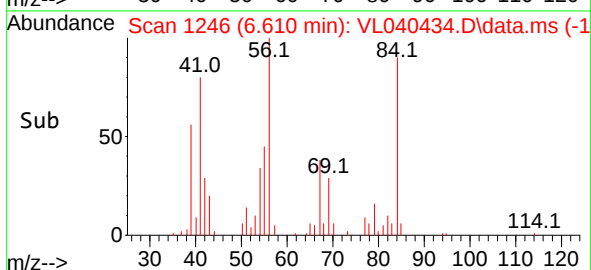
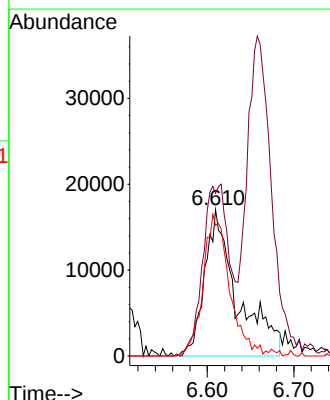
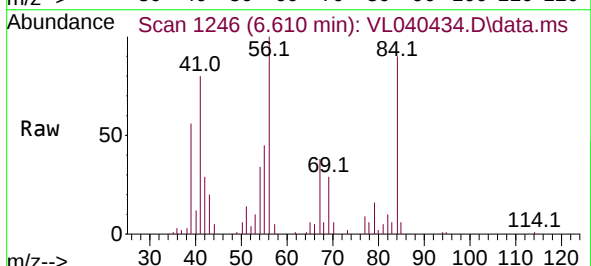
Tgt Ion: 84 Resp: 44794

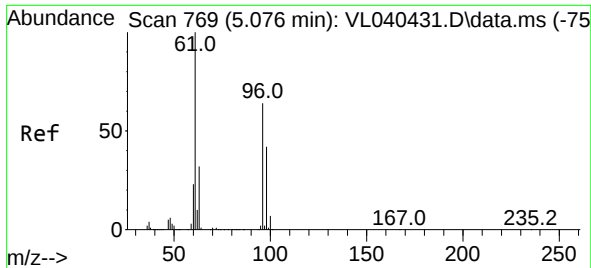
Ion Ratio Lower Upper

84 100

56 92.9 107.0 160.6#

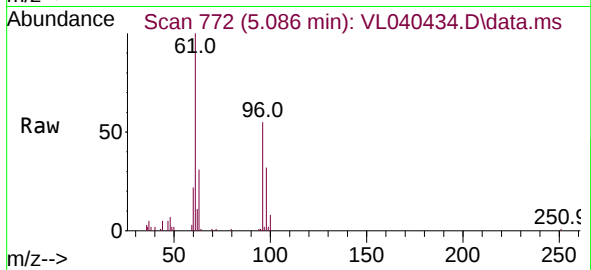
41 80.2 66.7 100.1





#31
 cis-1,2-Dichloroethene
 Concen: 0.443 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

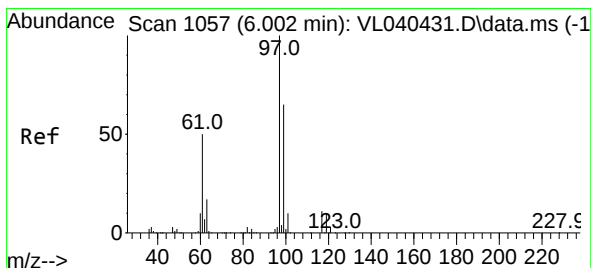
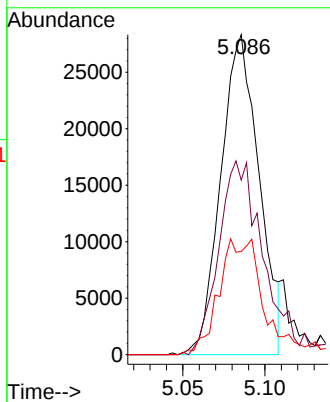
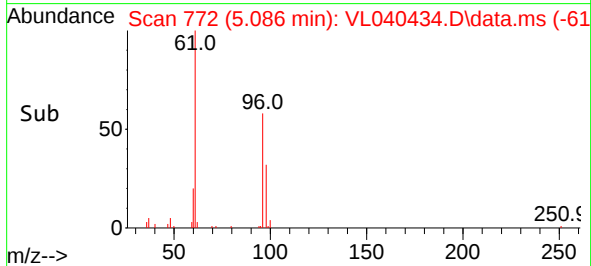
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



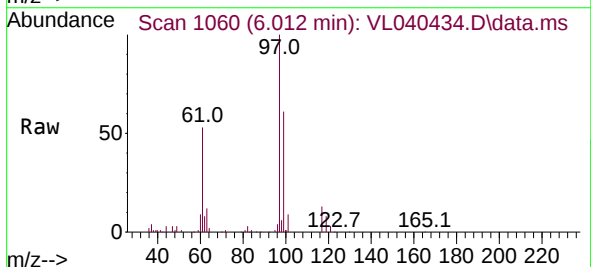
Tgt Ion: 61 Resp: 4593
 Ion Ratio Lower Upper
 61 100
 96 54.5 53.0 79.4
 98 32.3 33.8 50.8

Manual Integrations
 APPROVED

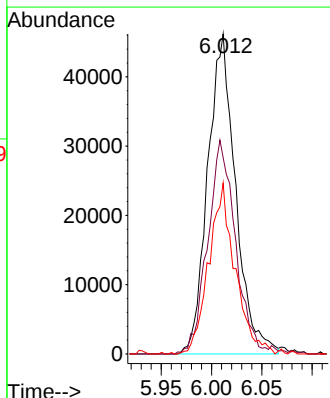
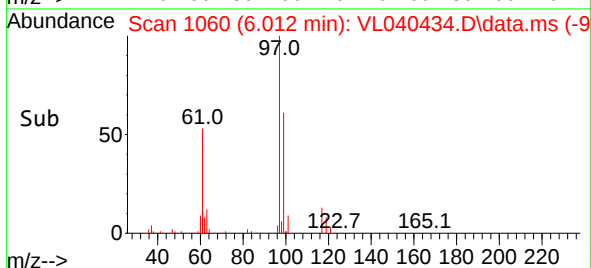
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

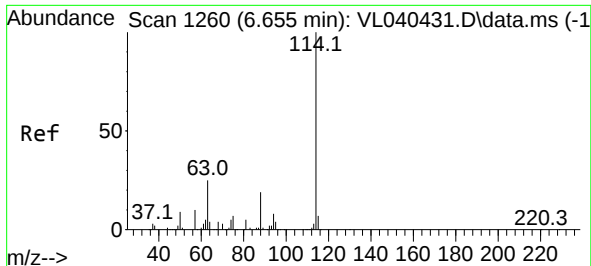


#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.010 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34



Tgt Ion: 97 Resp: 89011
 Ion Ratio Lower Upper
 97 100
 99 67.4 51.8 77.8
 61 50.6 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 114

Delta R.T. 0.006 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:114 Resp: 2687738

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

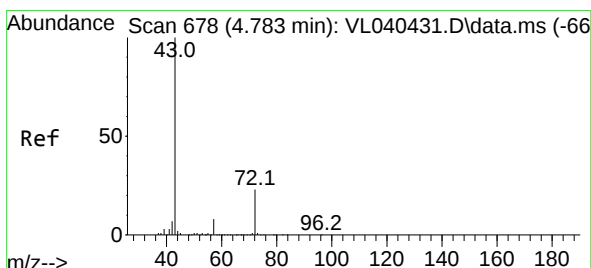
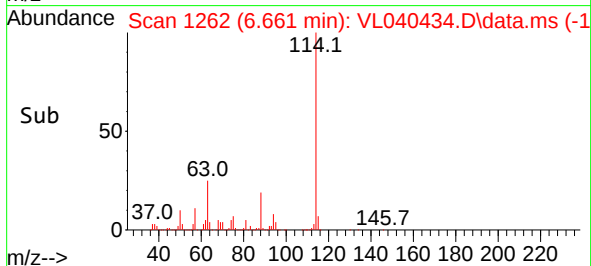
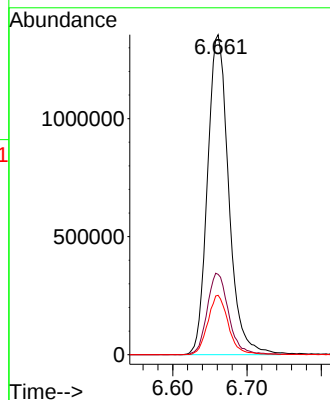
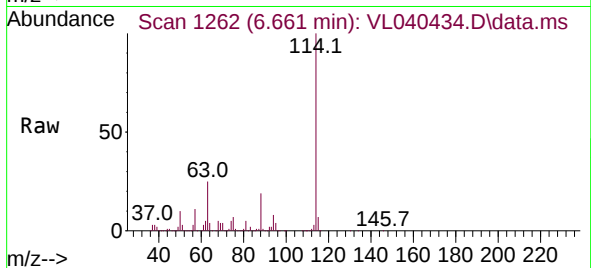
88 18.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

2-Butanone

Concen: 0.490 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.029 min

Lab File: VL040434.D

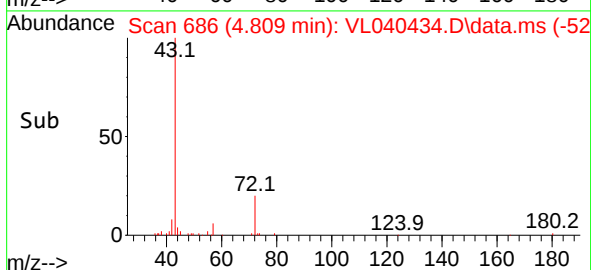
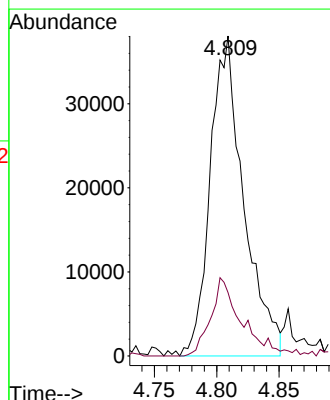
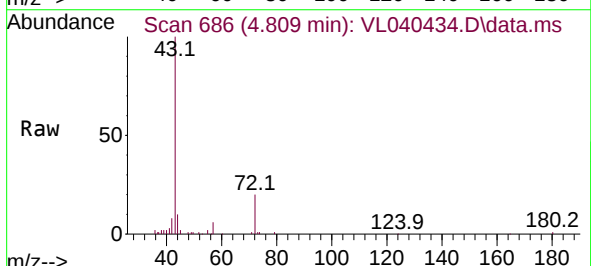
Acq: 16 May 2023 11:34

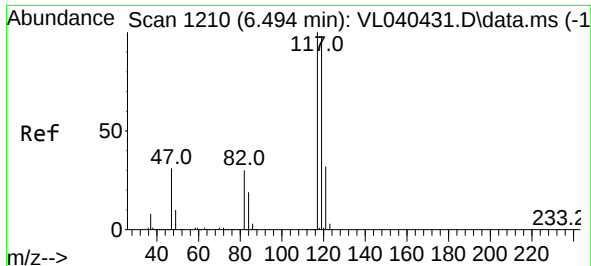
Tgt Ion: 43 Resp: 71016

Ion Ratio Lower Upper

43 100

72 23.7 18.4 27.6





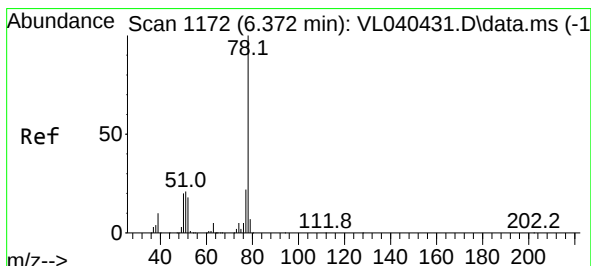
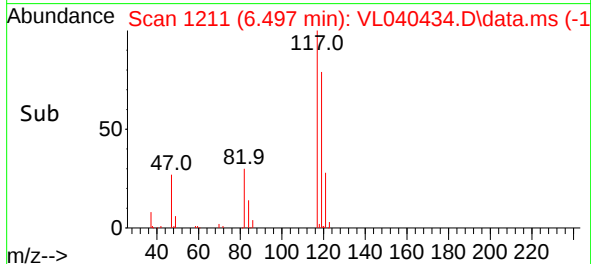
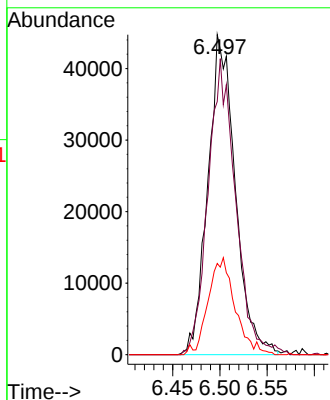
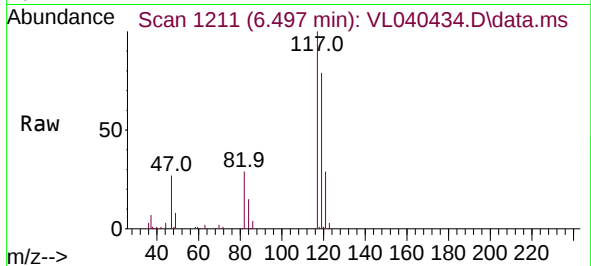
#35
Carbon Tetrachloride
Concen: 0.476 ppbv m
RT: 6.497 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 117 Resp: 9015
Ion Ratio Lower Upper
117 100
119 79.1 76.6 114.8
121 28.5 25.3 37.9

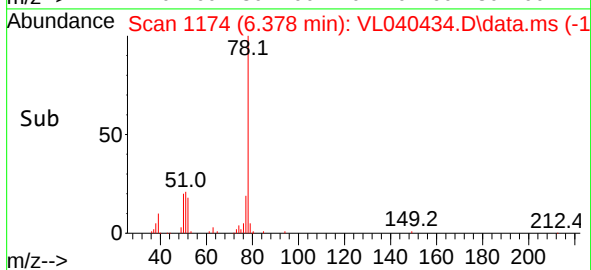
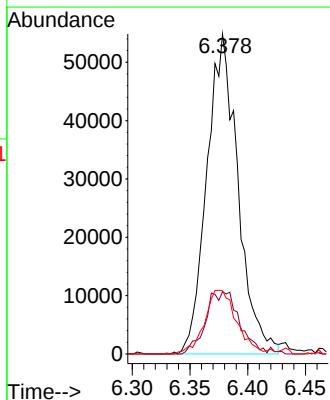
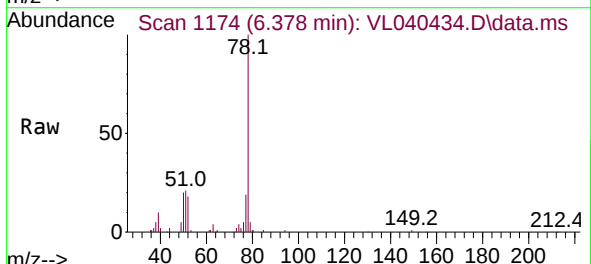
Manual Integrations
APPROVED

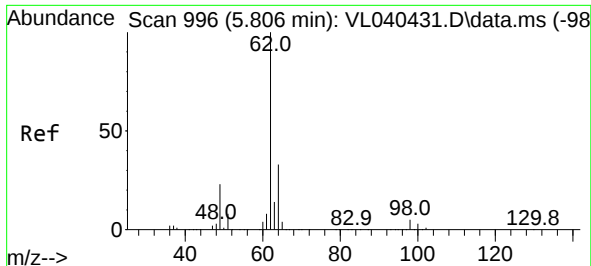
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#36
Benzene
Concen: 0.468 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

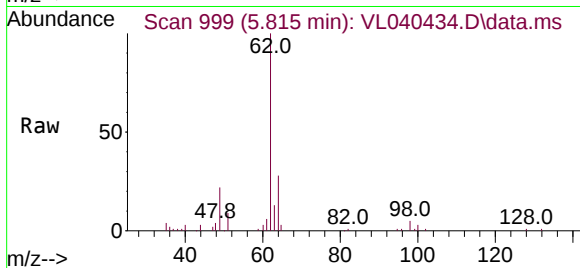
Tgt Ion: 78 Resp: 102715
Ion Ratio Lower Upper
78 100
77 19.5 17.8 26.8
50 19.2 15.6 23.4





#37
1,2-Dichloroethane
Concen: 0.475 ppbv
RT: 5.815 min Scan# 996
Delta R.T. 0.009 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

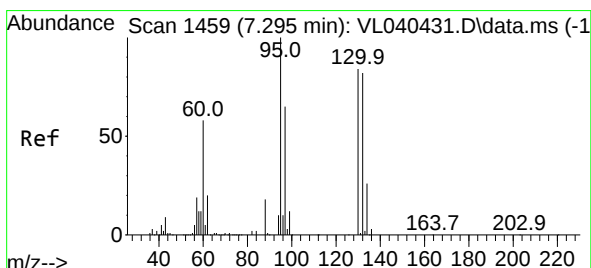
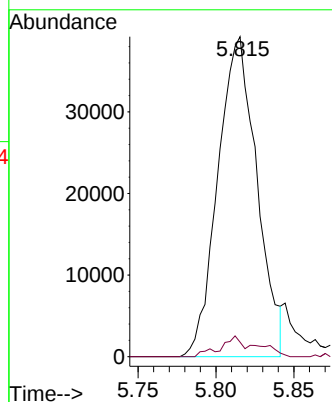
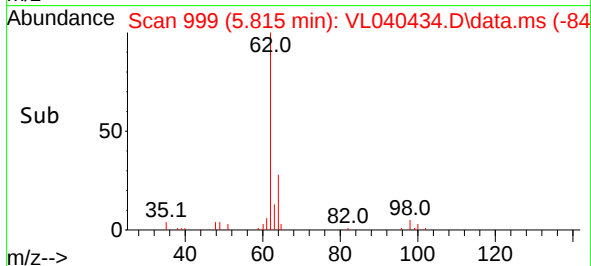
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 62 Resp: 6839
Ion Ratio Lower Upper
62 100
98 5.8 4.4 6.6

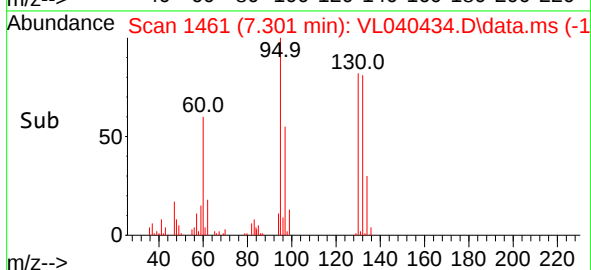
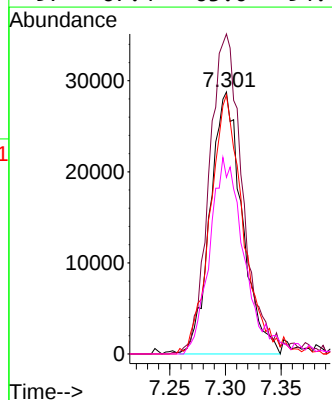
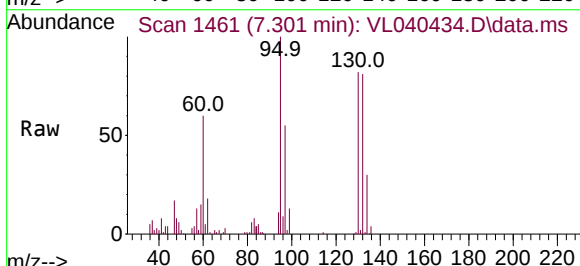
Manual Integrations
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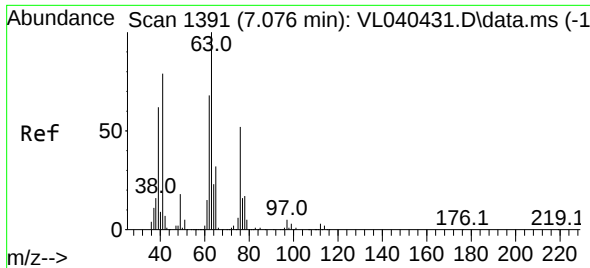
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#38
Trichloroethene
Concen: 0.459 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:130 Resp: 57226
Ion Ratio Lower Upper
130 100
95 121.4 97.4 146.0
132 96.8 77.5 116.3
97 67.4 63.0 94.4





#39

1,2-Dichloropropane

Concen: 0.472 ppbv m

RT: 7.079 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 63 Resp: 4074

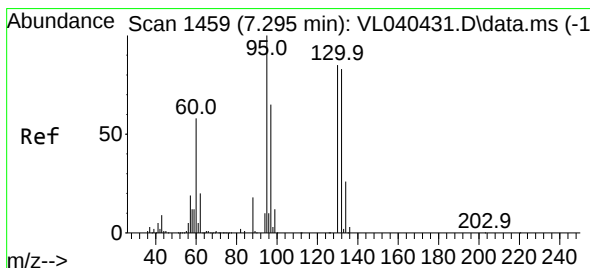
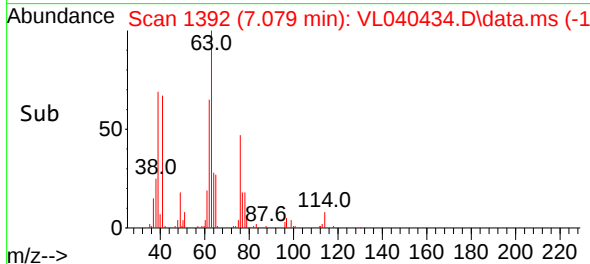
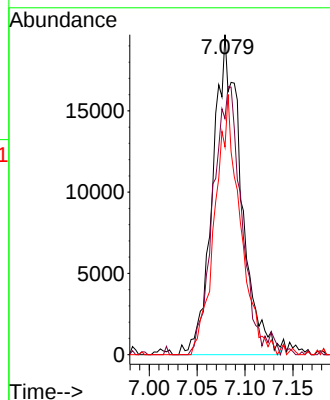
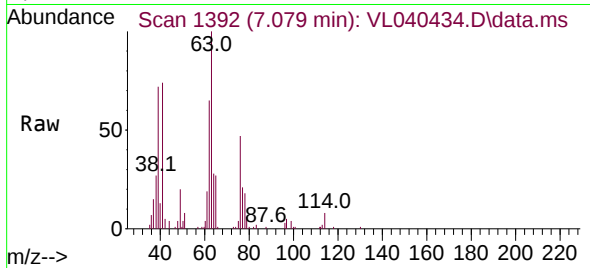
Ion	Ratio	Lower	Upper
63	100		
41	73.7	59.6	89.4
62	64.9	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#40

1,4-Dioxane

Concen: 0.485 ppbv m

RT: 7.339 min Scan# 1473

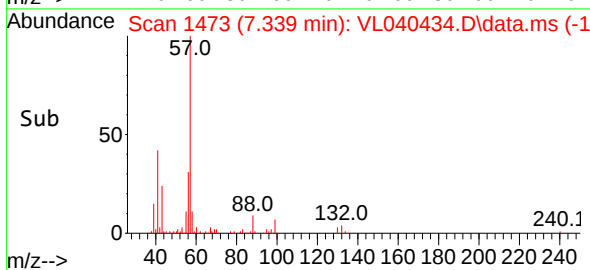
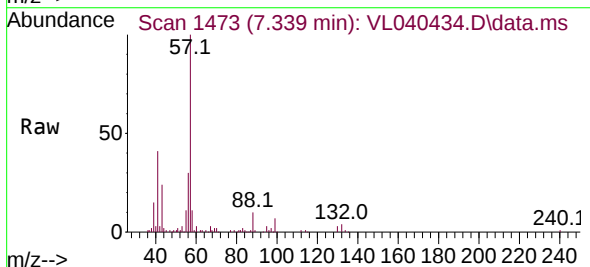
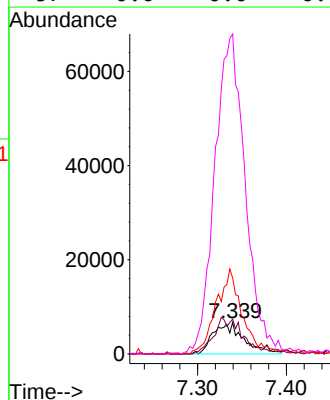
Delta R.T. 0.048 min

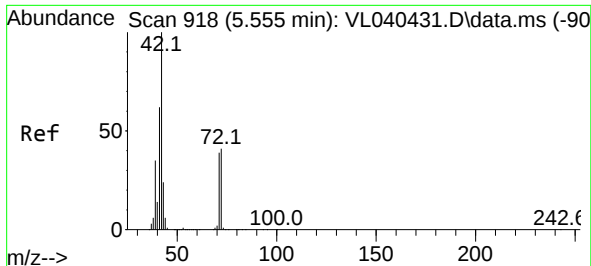
Lab File: VL040434.D

Acq: 16 May 2023 11:34

Tgt Ion: 88 Resp: 16015

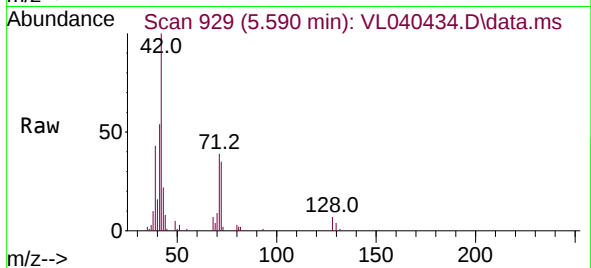
Ion	Ratio	Lower	Upper
88	100		
58	0.0	100.8	151.2#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41
Tetrahydrofuran
Concen: 0.426 ppbv m
RT: 5.590 min Scan# 918
Delta R.T. 0.035 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

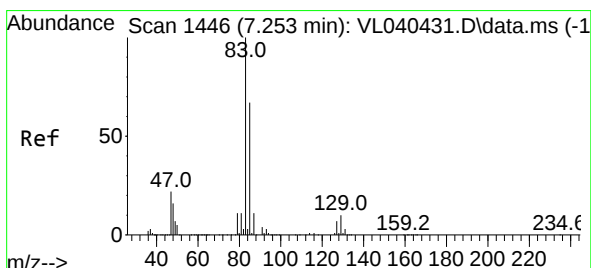
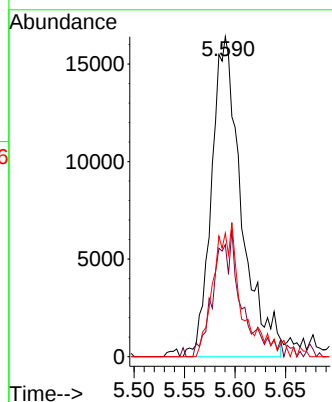
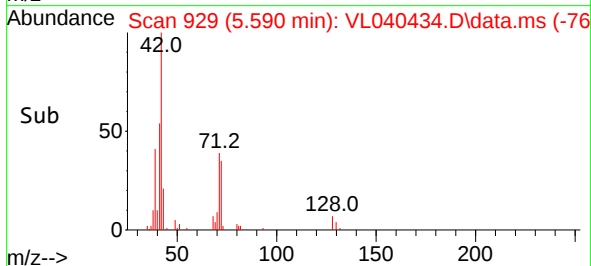
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



Tgt Ion: 42 Resp: 33774
Ion Ratio Lower Upper
42 100
72 38.5 33.7 50.5
71 40.0 32.2 48.2

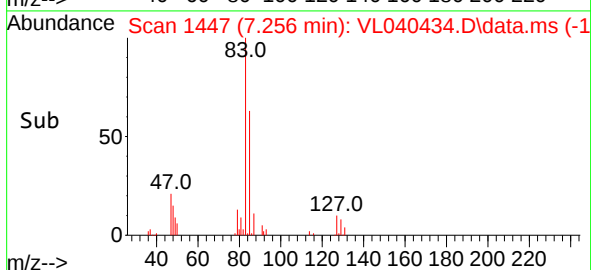
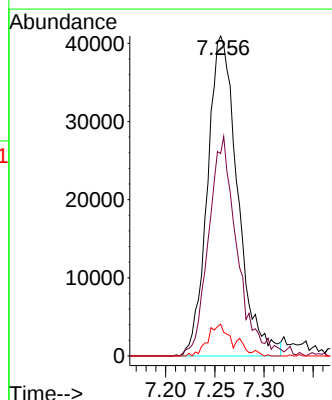
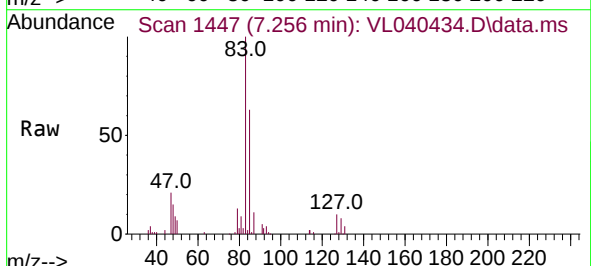
Manual Integrations
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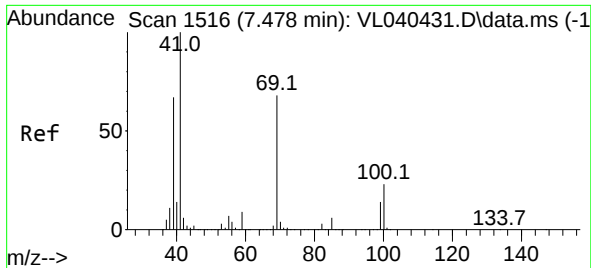
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#42
Bromodichloromethane
Concen: 0.444 ppbv m
RT: 7.256 min Scan# 1447
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion: 83 Resp: 87346
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3
127 9.9 6.4 9.6





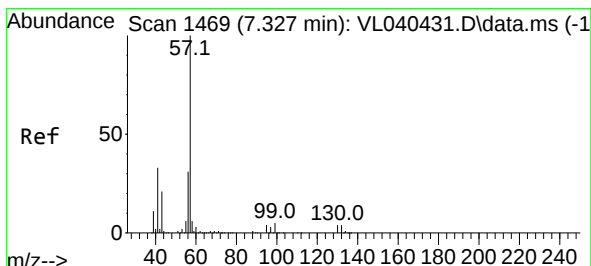
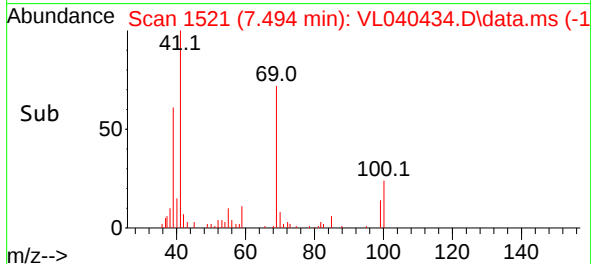
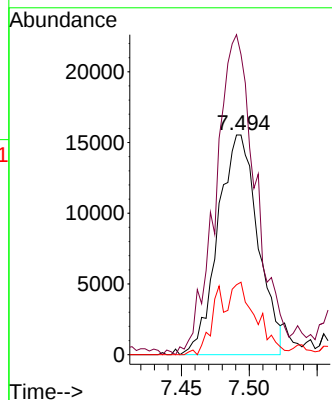
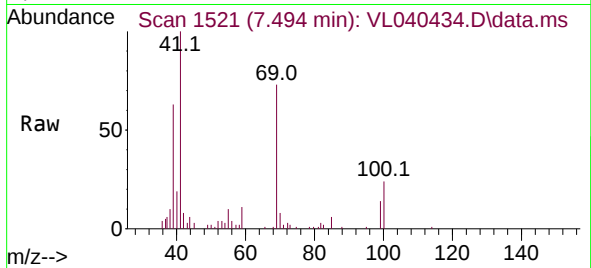
#43
Methyl Methacrylate
Concen: 0.391 ppbv
RT: 7.494 min Scan# 1473
Delta R.T. 0.019 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 31872
Ion Ratio Lower Upper
69 100
41 149.9 114.3 171.5
100 33.9 24.5 36.7

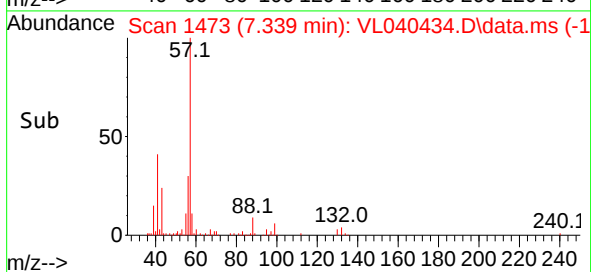
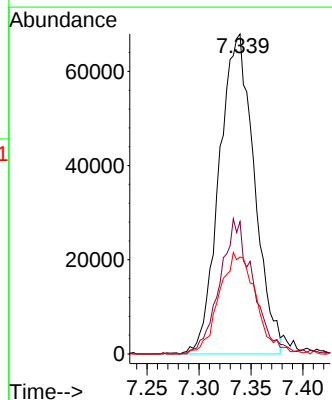
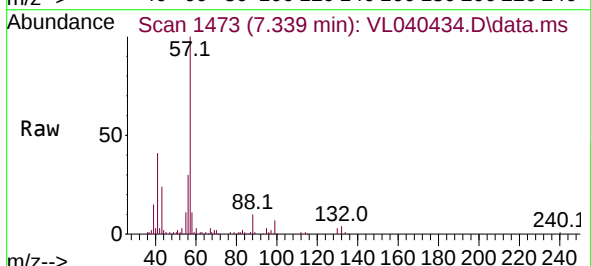
Manual Integrations
APPROVED

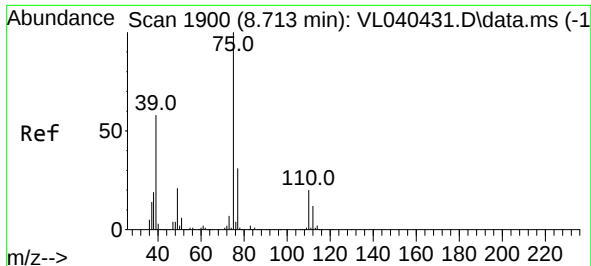
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#44
2,2,4-Trimethylpentane
Concen: 0.435 ppbv
RT: 7.339 min Scan# 1473
Delta R.T. 0.009 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

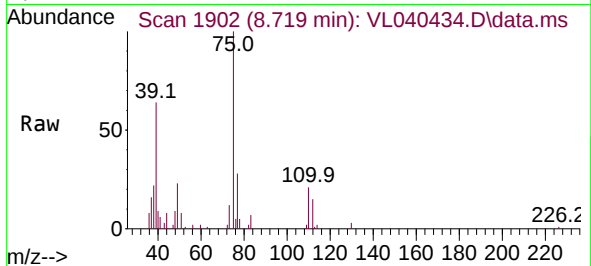
Tgt Ion: 57 Resp: 159287
Ion Ratio Lower Upper
57 100
41 40.3 26.9 40.3
56 33.3 25.1 37.7





#45
 t-1,3-Dichloropropene
 Concen: 0.349 ppbv m
 RT: 8.719 min Scan# 1900
 Delta R.T. 0.003 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

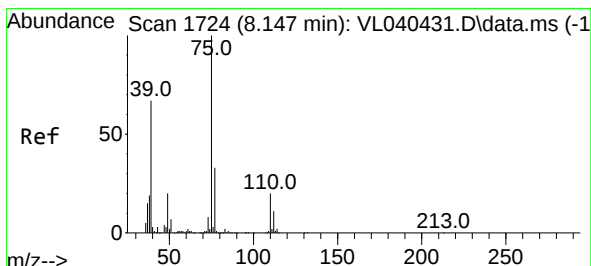
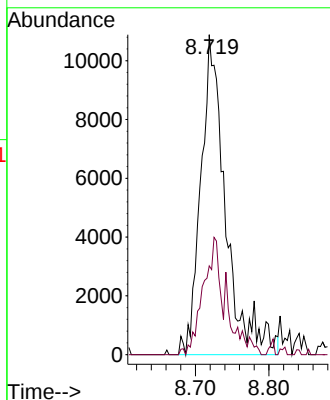
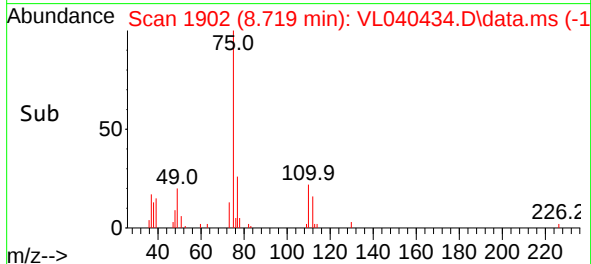
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 75 Resp: 2536
 Ion Ratio Lower Upper
 75 100
 77 27.8 26.8 40.2

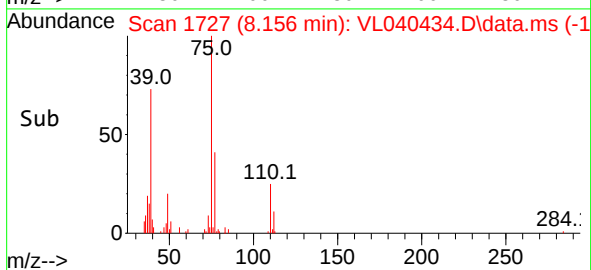
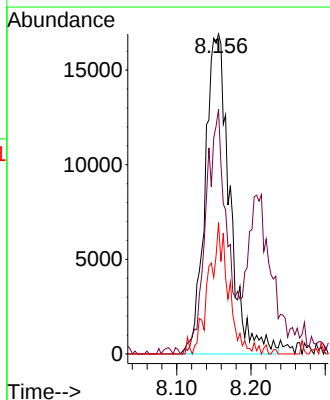
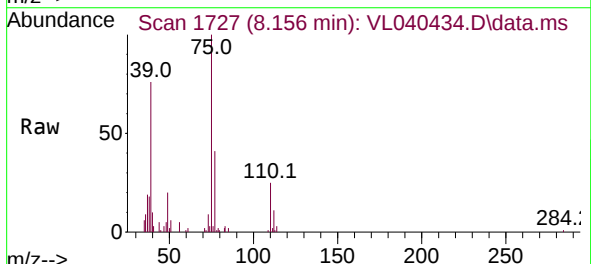
Manual Integrations
 APPROVED

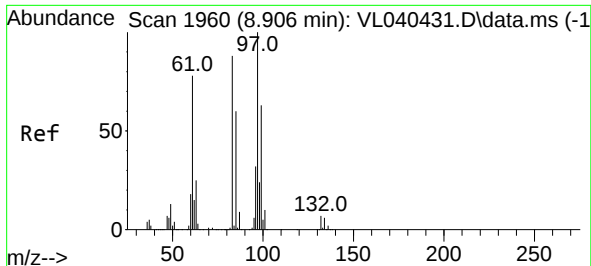
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#46
 cis-1,3-Dichloropropene
 Concen: 0.385 ppbv m
 RT: 8.156 min Scan# 1727
 Delta R.T. 0.009 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

Tgt Ion: 75 Resp: 38957
 Ion Ratio Lower Upper
 75 100
 39 76.4 53.4 80.2
 77 41.1 24.7 37.1#





#47

1,1,2-Trichloroethane

Concen: 0.476 ppbv

RT: 8.912 min Scan# 1960

Delta R.T. 0.007 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

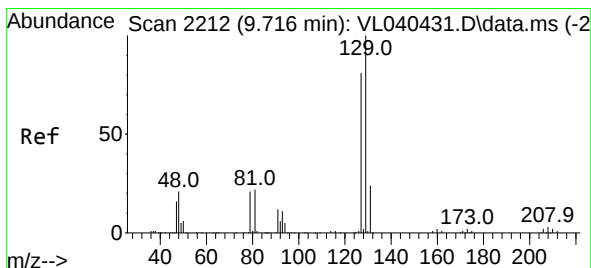
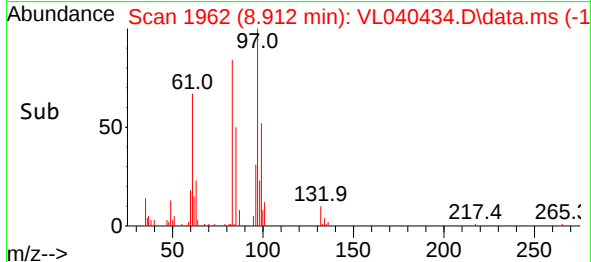
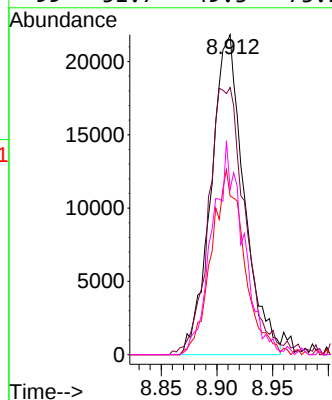
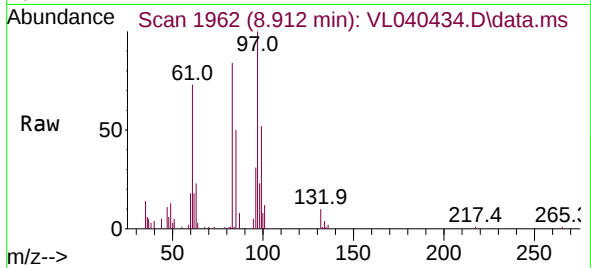
VSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.4	73.3	109.9
85	49.6	46.9	70.3
99	51.7	49.3	73.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48

Dibromochloromethane

Concen: 0.396 ppbv m

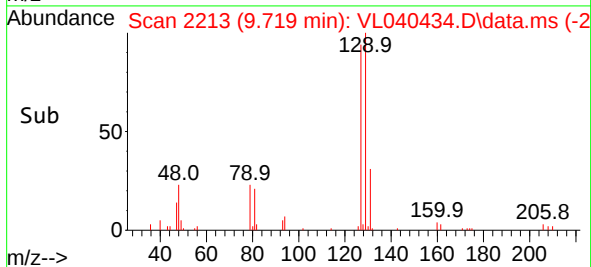
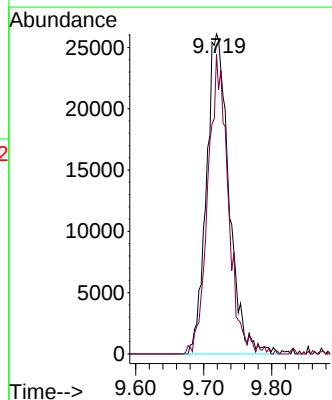
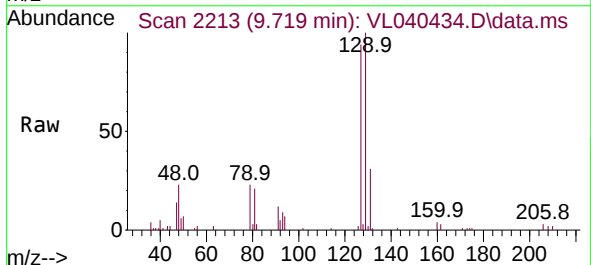
RT: 9.719 min Scan# 2213

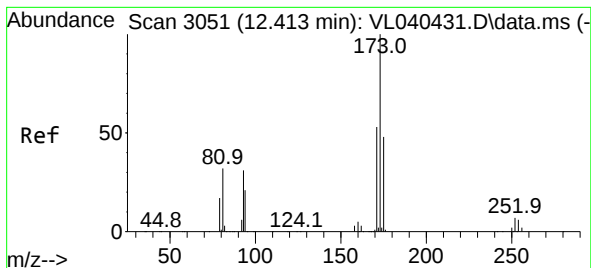
Delta R.T. 0.003 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	84.1	39.2	117.6





#49

Bromoform

Concen: 0.388 ppbv m

RT: 12.416 min Scan# 3051

Delta R.T. -0.001 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

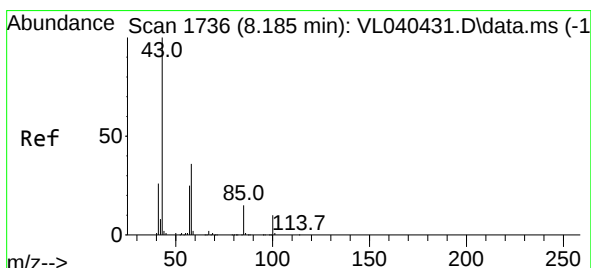
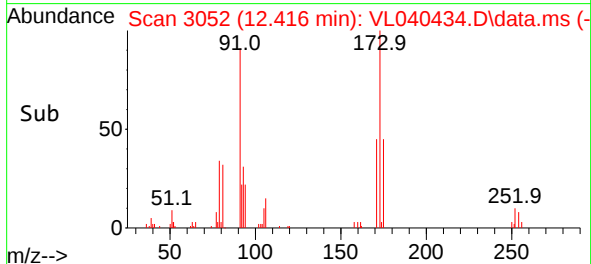
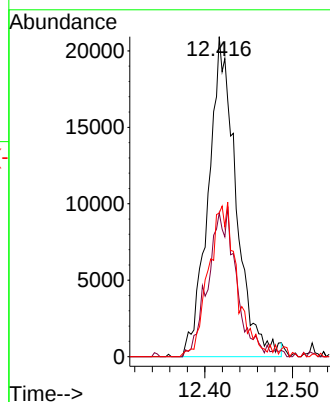
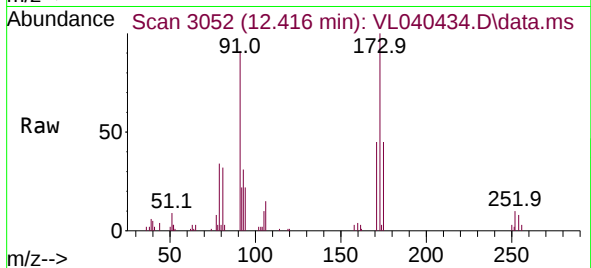
VSTDICC0.5

Tgt Ion:173	Resp:	46129
Ion Ratio	Lower	Upper
173	100	
175	47.8	39.8 59.8
171	50.5	42.2 63.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#50

4-Methyl-2-Pentanone

Concen: 0.442 ppbv m

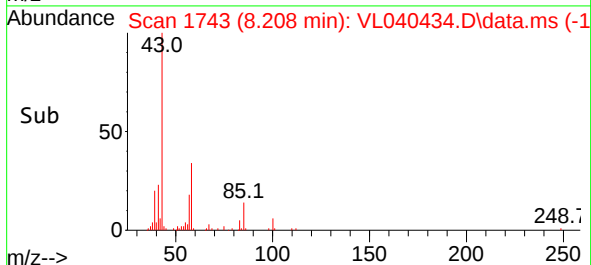
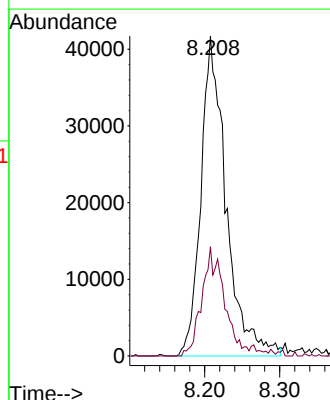
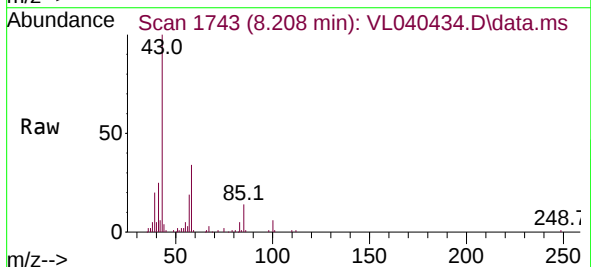
RT: 8.208 min Scan# 1743

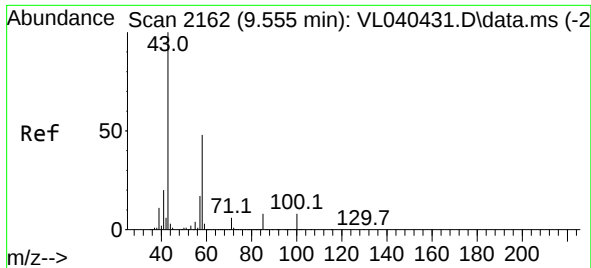
Delta R.T. 0.026 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

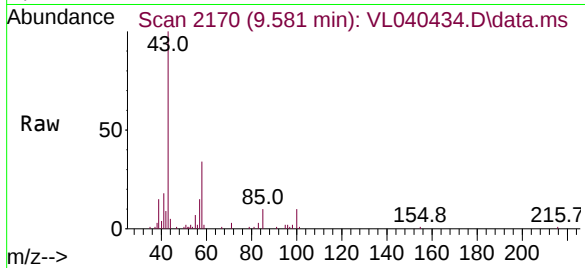
Tgt Ion: 43	Resp:	97186
Ion Ratio	Lower	Upper
43	100	
58	31.3	28.6 43.0





#51
2-Hexanone
Concen: 0.385 ppbv m
RT: 9.581 min Scan# 2162
Delta R.T. 0.023 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

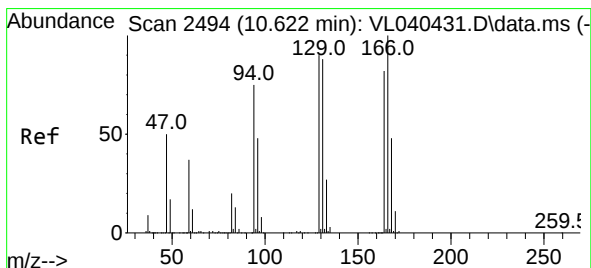
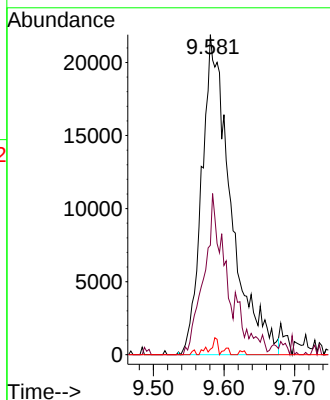
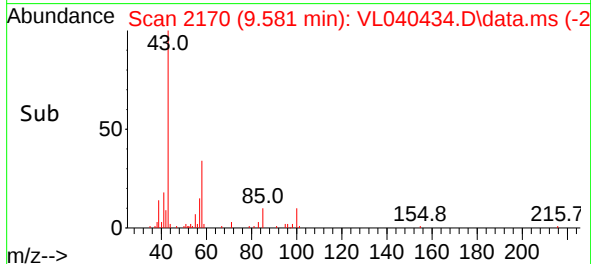
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



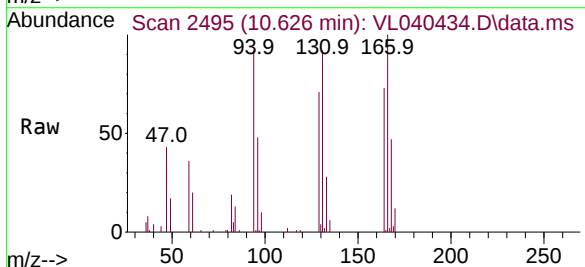
Tgt Ion: 43 Resp: 62530
Ion Ratio Lower Upper
43 100
58 0.0 38.3 57.5
98 0.0 0.4 0.6

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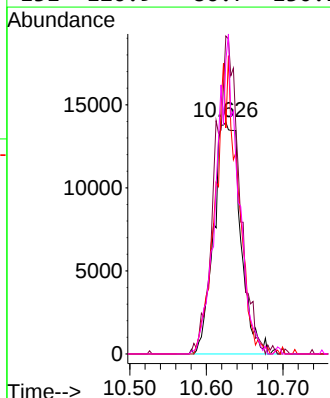
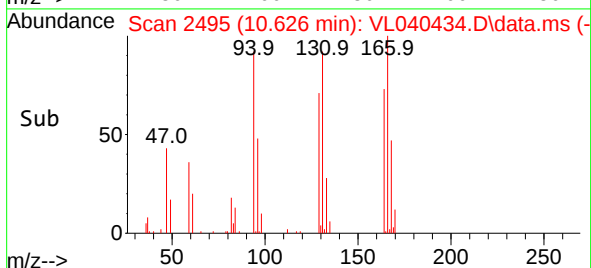
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

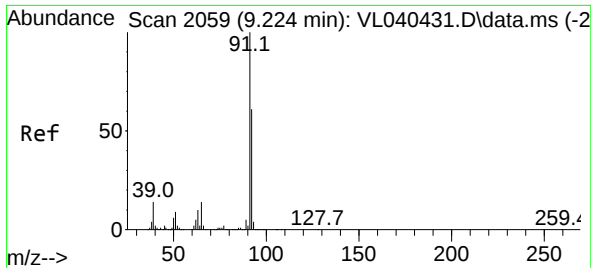


#52
Tetrachloroethene
Concen: 0.497 ppbv m
RT: 10.626 min Scan# 2495
Delta R.T. 0.004 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34



Tgt Ion:164 Resp: 34105
Ion Ratio Lower Upper
164 100
166 137.2 105.2 157.8
129 97.6 90.3 135.5
131 126.9 86.7 130.1





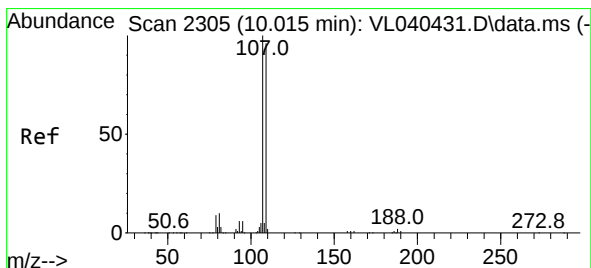
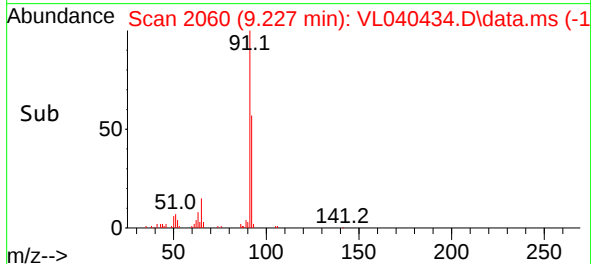
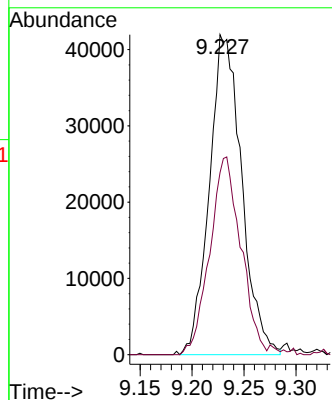
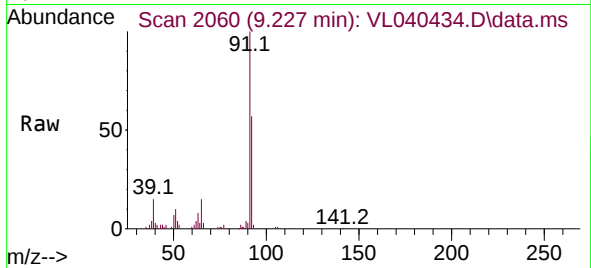
#53
Toluene
Concen: 0.389 ppbv
RT: 9.227 min Scan# 2059
Delta R.T. -0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 90549
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3

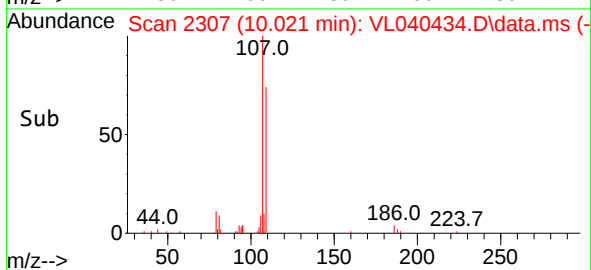
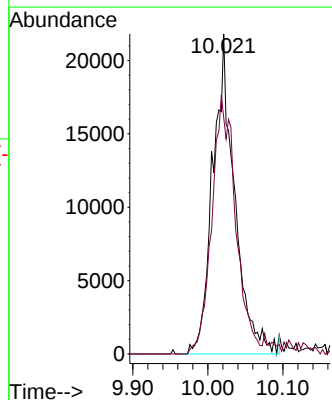
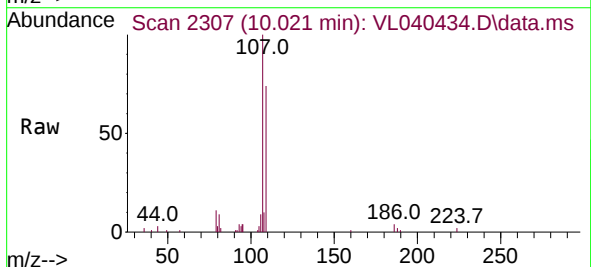
Manual Integrations
APPROVED

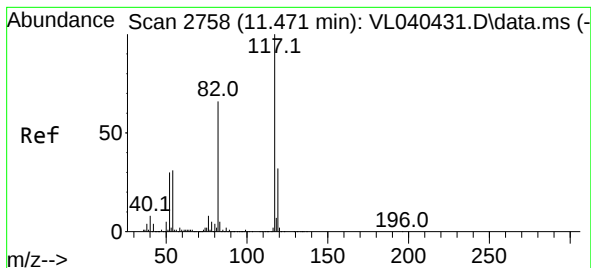
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#54
1,2-Dibromoethane
Concen: 0.460 ppbv m
RT: 10.021 min Scan# 2307
Delta R.T. 0.006 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:107 Resp: 44085
Ion Ratio Lower Upper
107 100
109 73.9 73.6 110.4





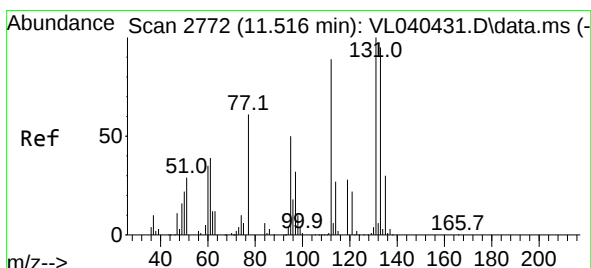
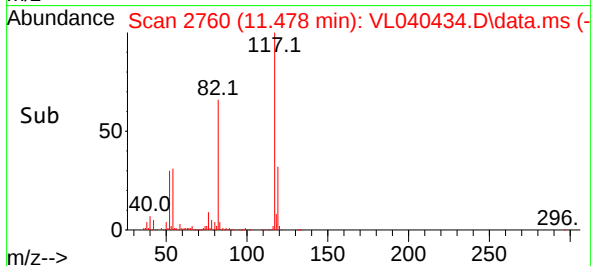
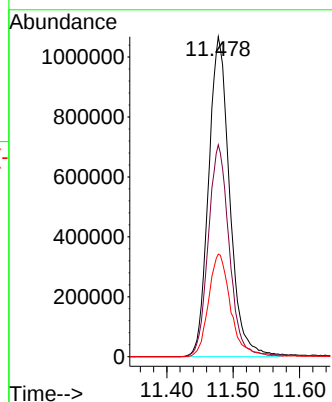
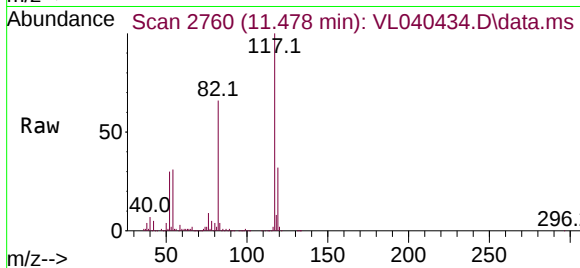
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:117 Resp: 236258
Ion Ratio Lower Upper
117 100
82 66.2 52.5 78.7
119 33.8 24.3 36.5

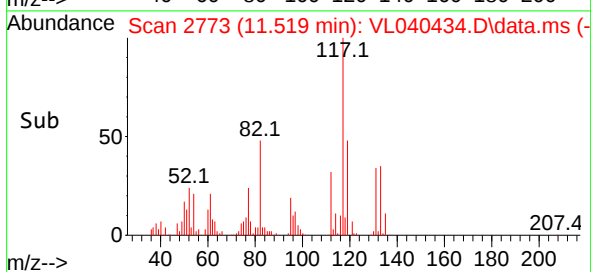
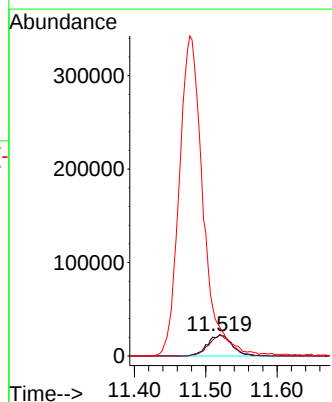
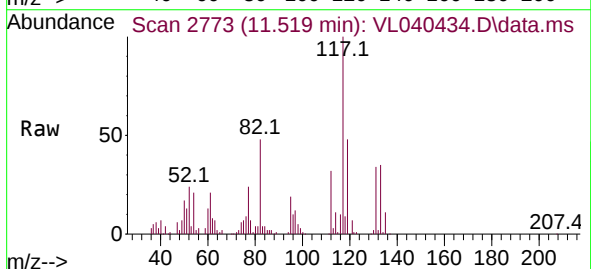
Manual Integrations
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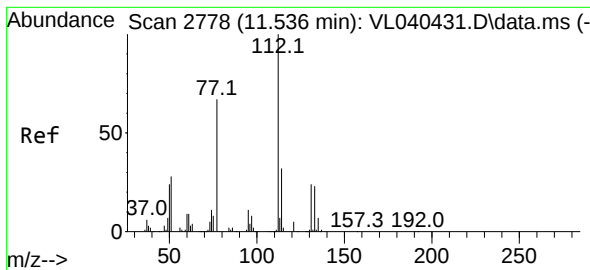
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 0.494 ppbv m
RT: 11.519 min Scan# 2773
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:131 Resp: 53323
Ion Ratio Lower Upper
131 100
133 95.0 75.3 112.9
119 0.0 53.9 80.9#





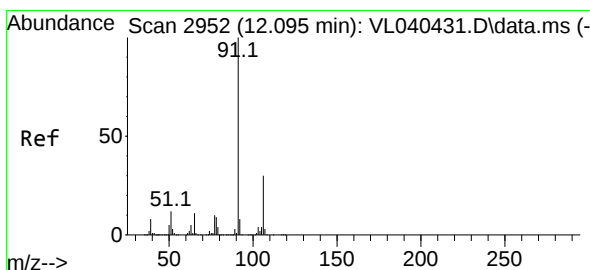
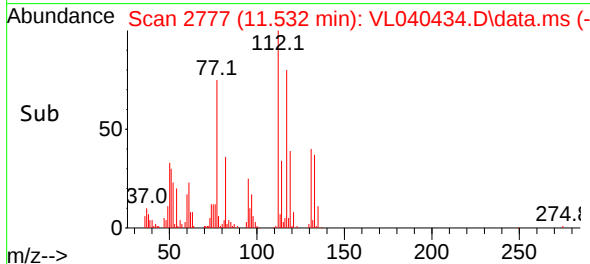
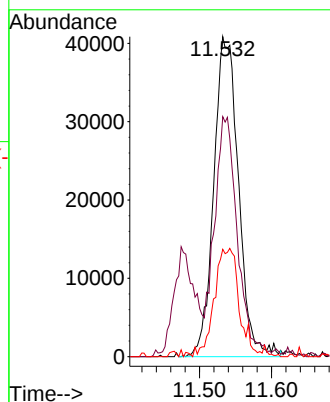
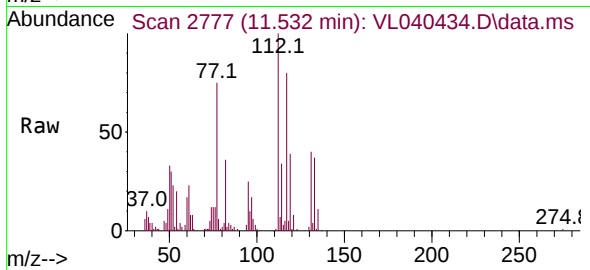
#57
Chlorobenzene
Concen: 0.526 ppbv m
RT: 11.532 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 97230
Ion Ratio Lower Upper
112 100
77 75.0 55.8 83.8
114 33.5 29.1 35.5

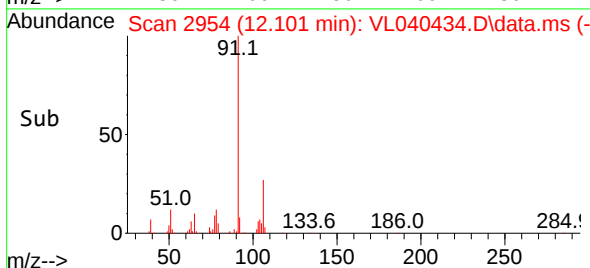
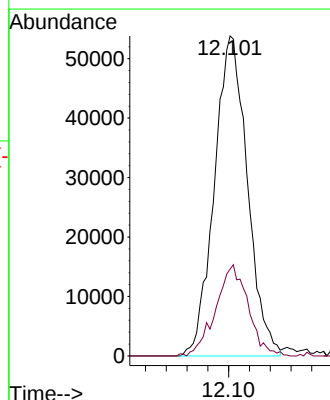
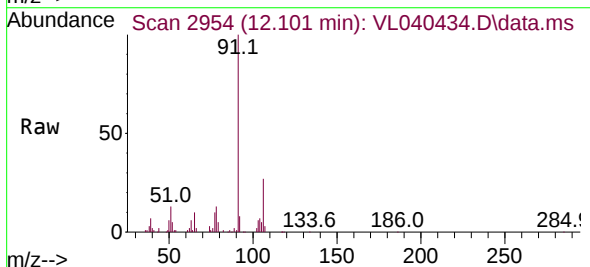
Manual Integrations
APPROVED

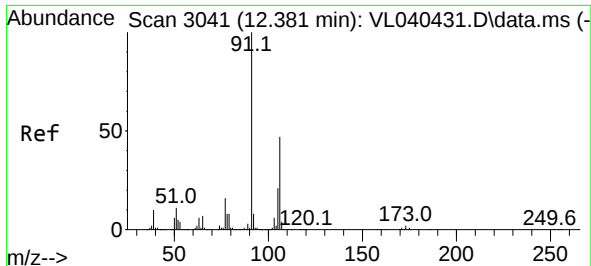
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 0.409 ppbv
RT: 12.101 min Scan# 2954
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion: 91 Resp: 118831
Ion Ratio Lower Upper
91 100
106 26.5 23.5 35.3





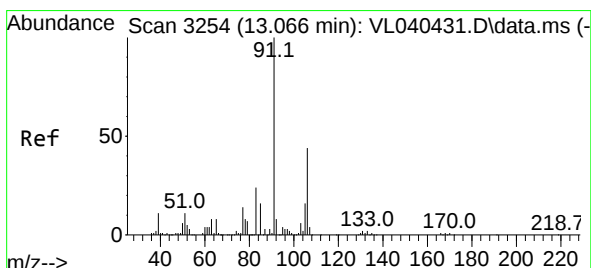
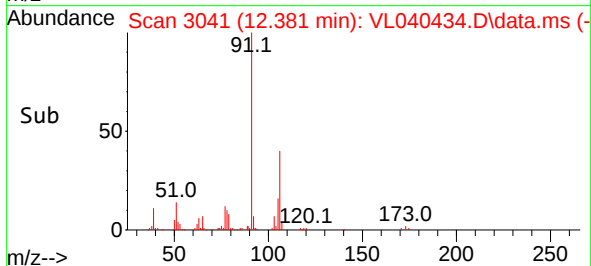
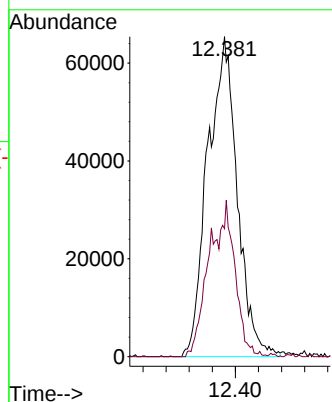
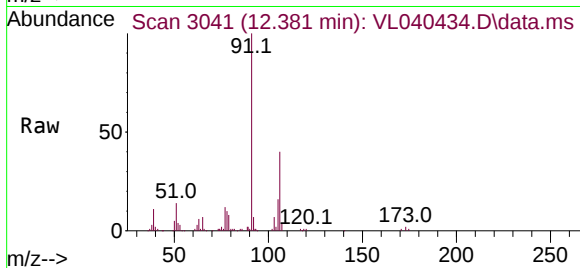
#59
m/p-Xylene
Concen: 0.870 ppbv m
RT: 12.381 min Scan# 3041
Delta R.T. 0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 232424
Ion Ratio Lower Upper
91 100
106 42.9 34.7 52.1

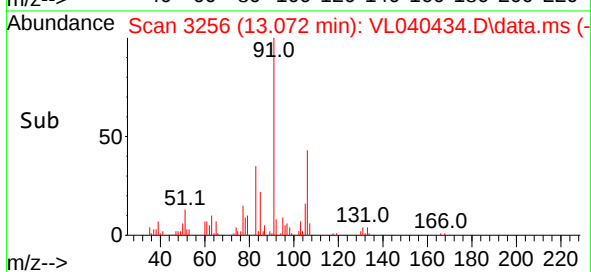
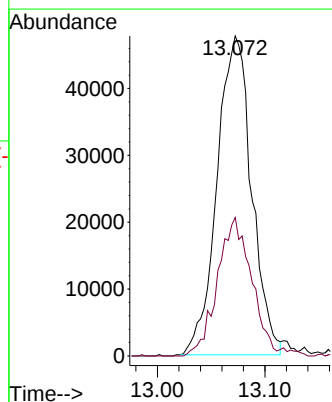
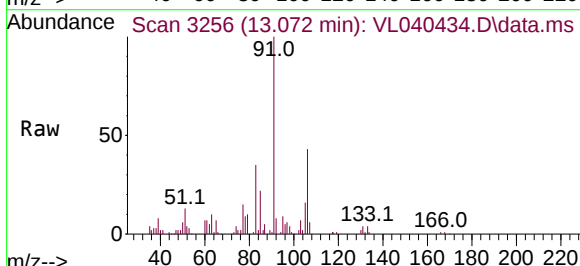
Manual Integrations
APPROVED

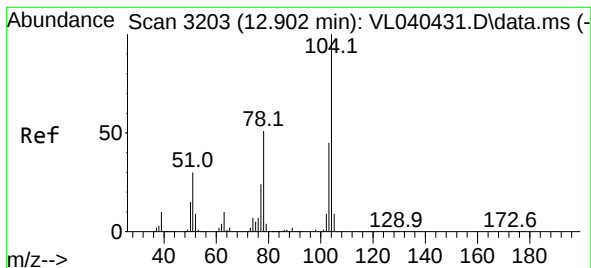
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
o-Xylene
Concen: 0.416 ppbv
RT: 13.072 min Scan# 3256
Delta R.T. 0.006 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion: 91 Resp: 106656
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.8





#61

Styrene

Concen: 0.332 ppbv m

RT: 12.912 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

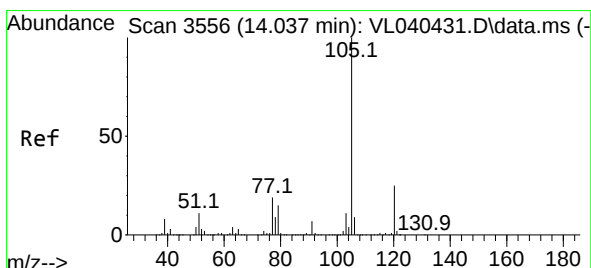
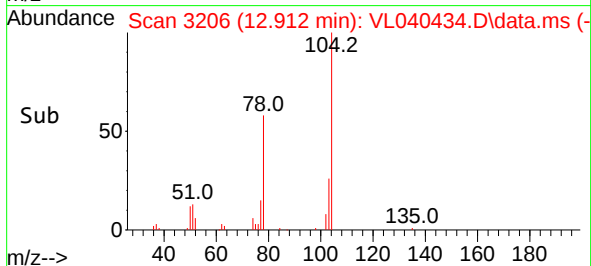
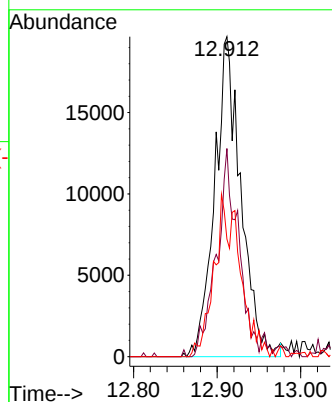
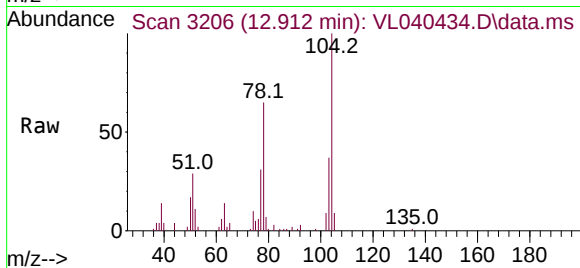
VSTDIC0.5

Tgt Ion:	104	Resp:	42672
Ion Ratio	Lower	Upper	
104	100		
78	58.0	43.4	65.0
103	50.0	37.0	55.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#62

Isopropylbenzene

Concen: 0.463 ppbv m

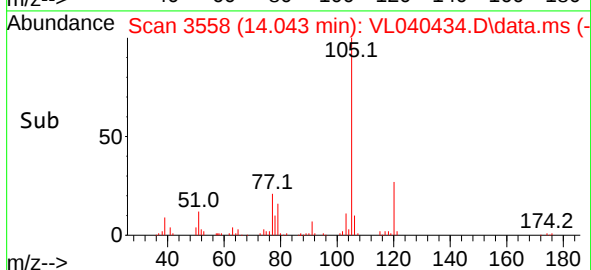
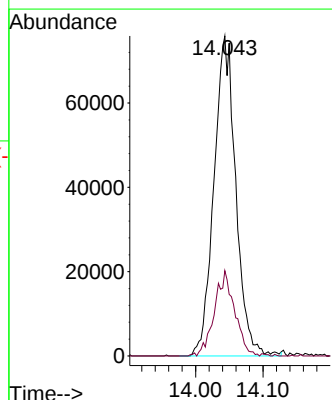
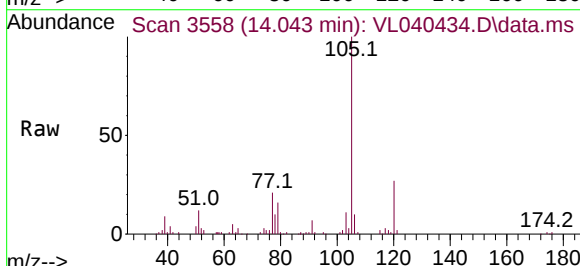
RT: 14.043 min Scan# 3558

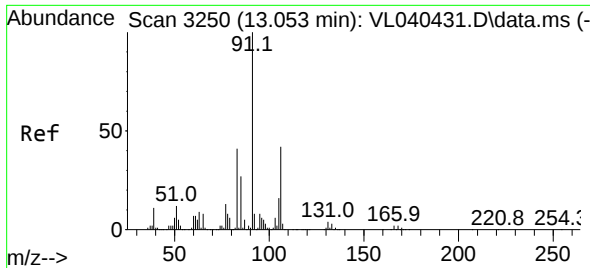
Delta R.T. 0.003 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Tgt Ion:	105	Resp:	171074
Ion Ratio	Lower	Upper	
105	100		
120	24.8	19.9	29.9





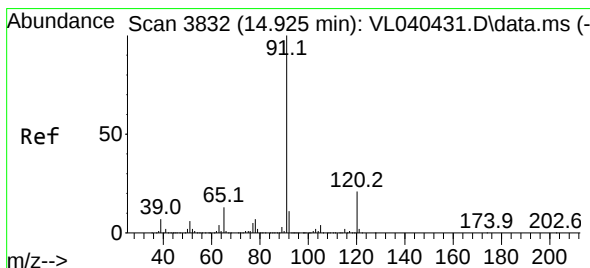
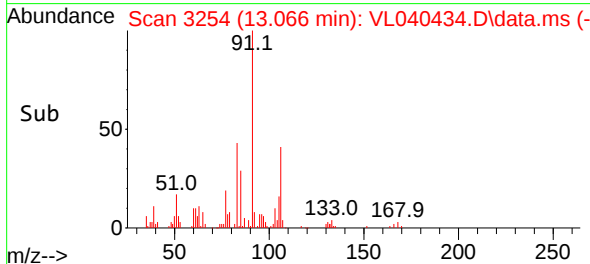
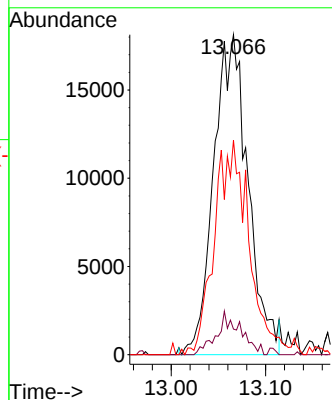
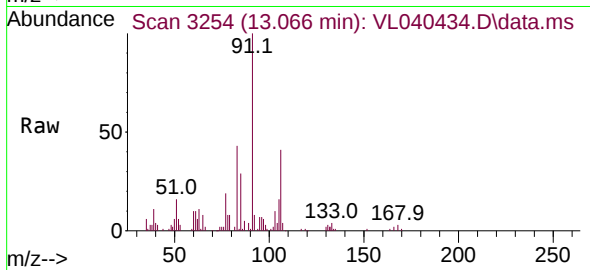
#63
1,1,2,2-Tetrachloroethane
Concen: 0.488 ppbv m
RT: 13.066 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 45790
Ion Ratio Lower Upper
83 100
131 9.7 4.3 13.1
85 0.0 32.9 98.6

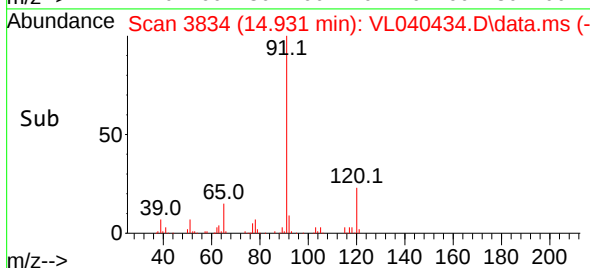
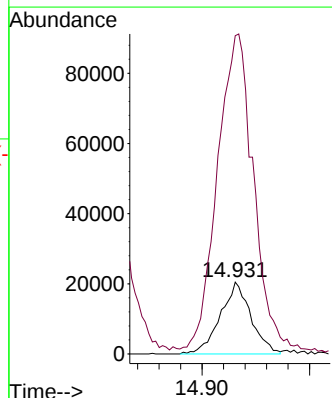
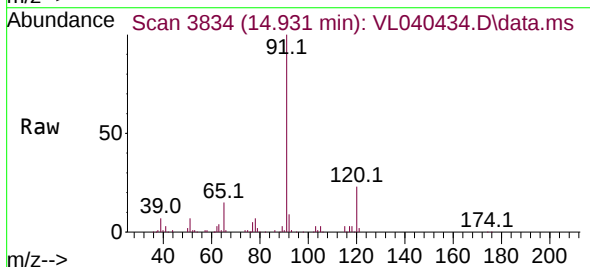
Manual Integrations
APPROVED

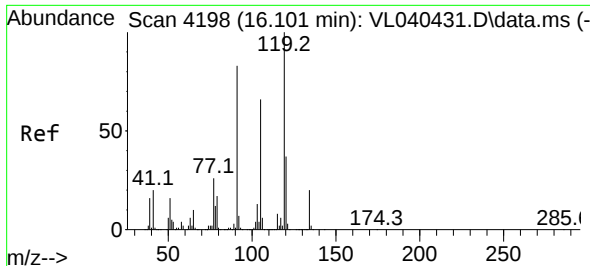
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#64
n-propylbenzene
Concen: 0.446 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

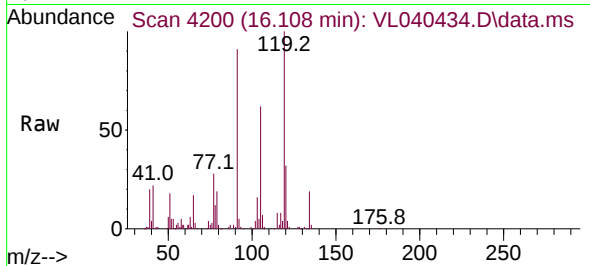
Tgt Ion:120 Resp: 40526
Ion Ratio Lower Upper
120 100
91 536.0 397.4 596.0





#65
tert-Butylbenzene
Concen: 0.449 ppbv m
RT: 16.108 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

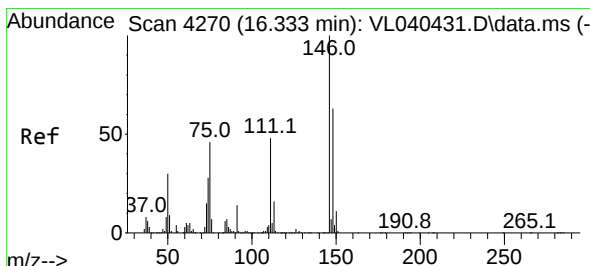
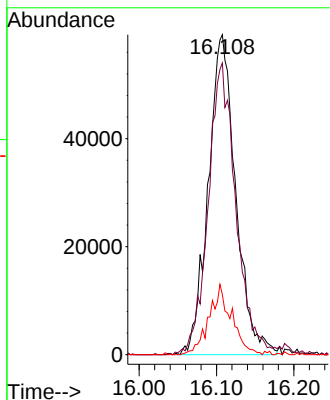
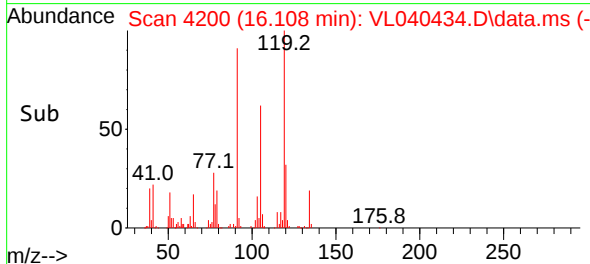
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5



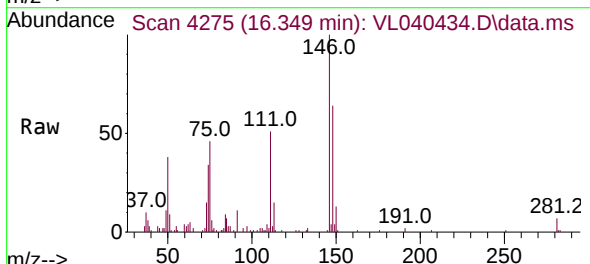
Tgt Ion: 119 Resp: 14606
Ion Ratio Lower Upper
119 100
91 93.6 70.1 105.1
134 18.3 15.6 23.4

Manual Integrations
APPROVED

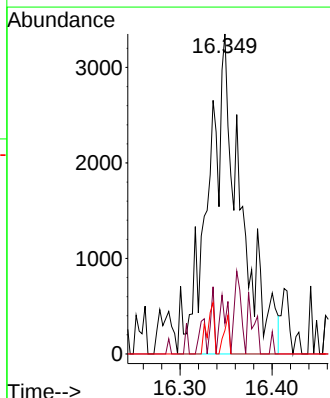
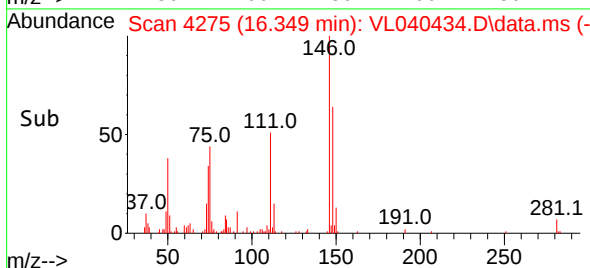
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

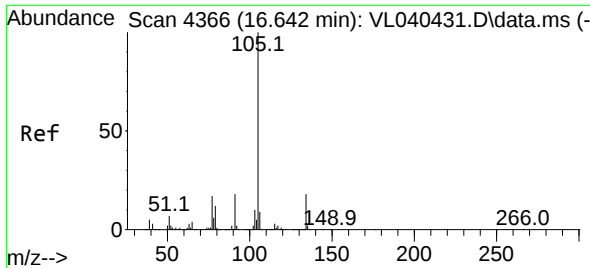


#66
Benzyl Chloride
Concen: 0.401 ppbv m
RT: 16.349 min Scan# 4275
Delta R.T. 0.010 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34



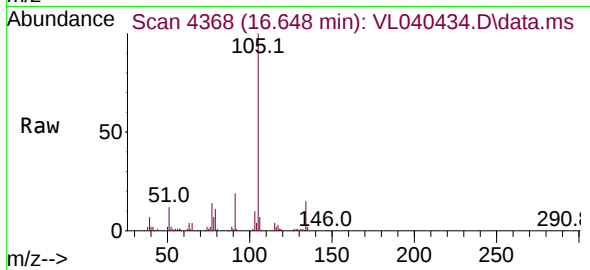
Tgt Ion: 91 Resp: 8076
Ion Ratio Lower Upper
91 100
126 0.0 12.3 18.5#
128 0.0 4.1 6.1#





#67
 sec-Butylbenzene
 Concen: 0.448 ppbv
 RT: 16.648 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

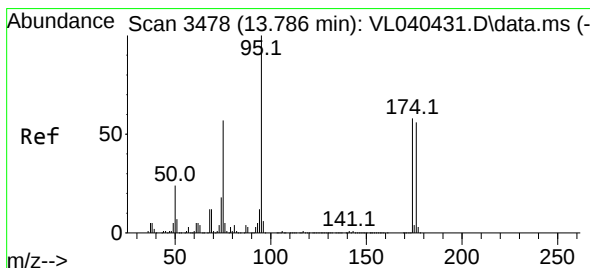
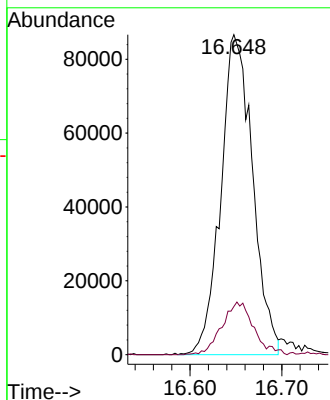
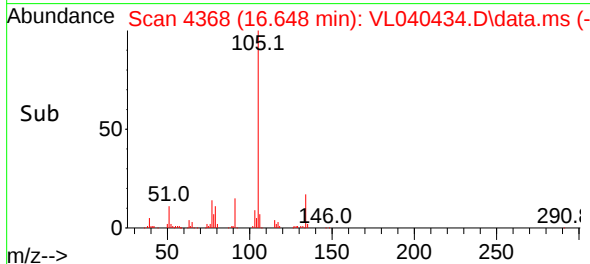
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion: 105 Resp: 20897
 Ion Ratio Lower Upper
 105 100
 134 16.8 13.8 20.6

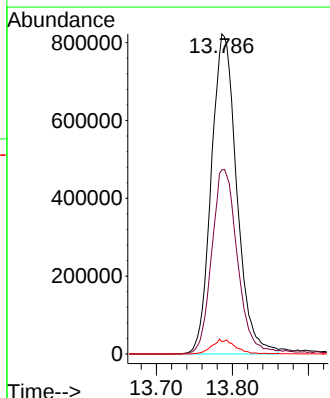
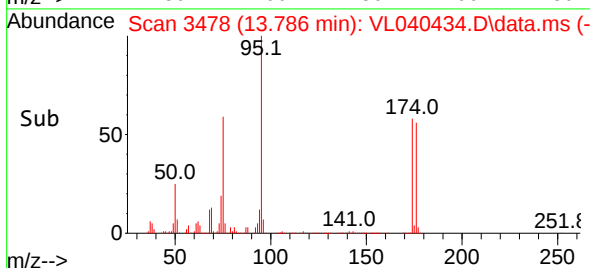
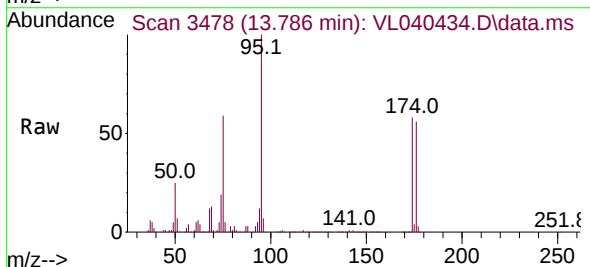
Manual Integrations
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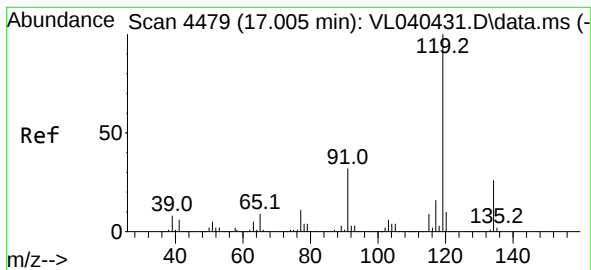
Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.784 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.000 min
 Lab File: VL040434.D
 Acq: 16 May 2023 11:34

Tgt Ion: 95 Resp: 1911589
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.2 70.8
 175 4.3 3.5 5.3





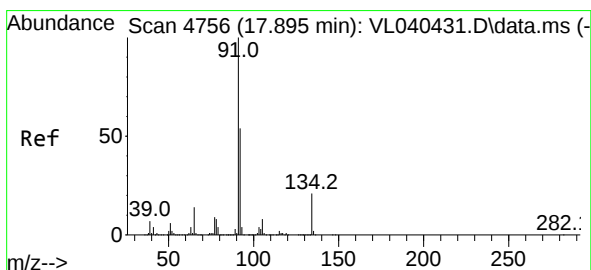
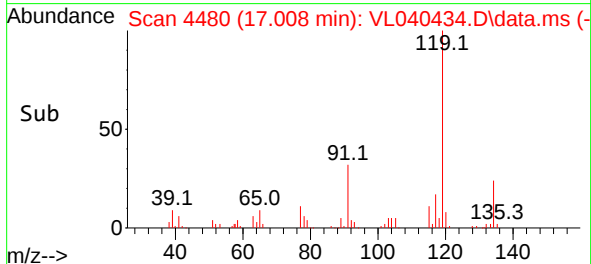
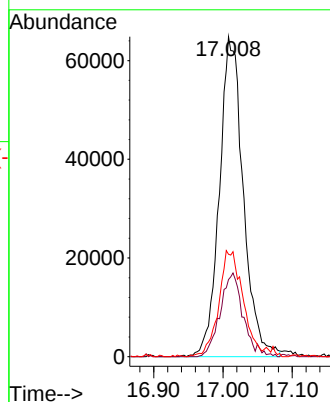
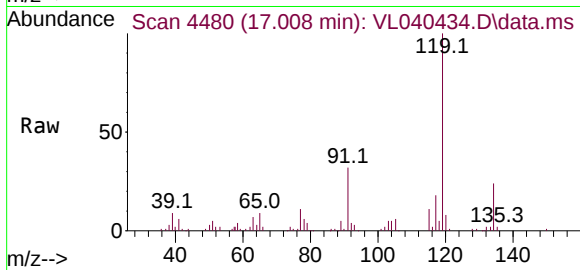
#69
p-Isopropyltoluene
Concen: 0.426 ppbv m
RT: 17.008 min Scan# 4479
Delta R.T. -0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 155314
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.4
91 34.8 25.7 38.5

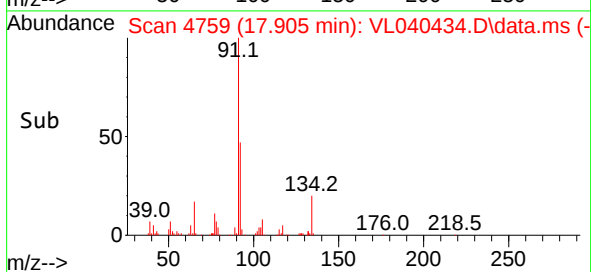
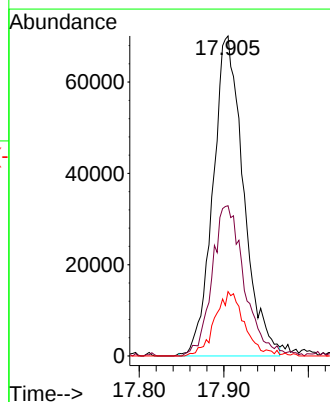
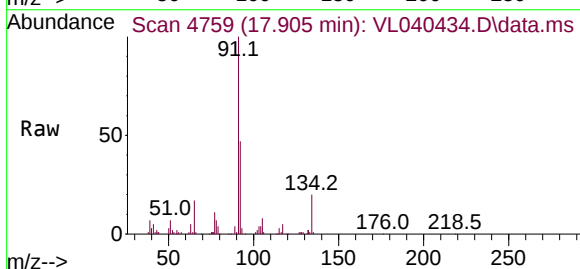
Manual Integrations
APPROVED

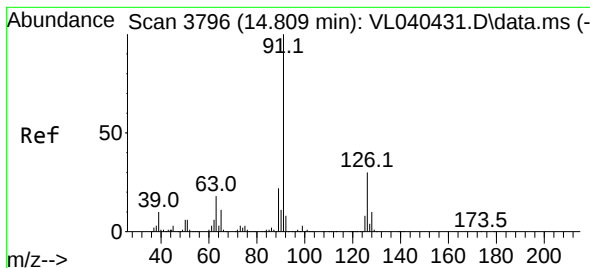
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#70
n-Butylbenzene
Concen: 0.435 ppbv m
RT: 17.905 min Scan# 4759
Delta R.T. 0.006 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion: 91 Resp: 175648
Ion Ratio Lower Upper
91 100
92 50.5 43.0 64.4
134 19.8 16.6 25.0





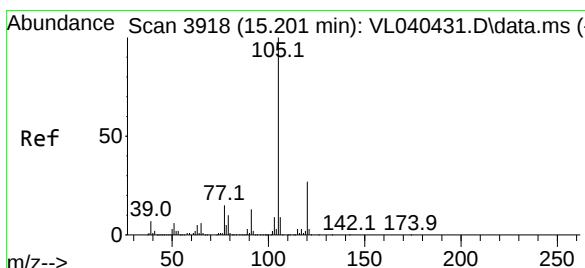
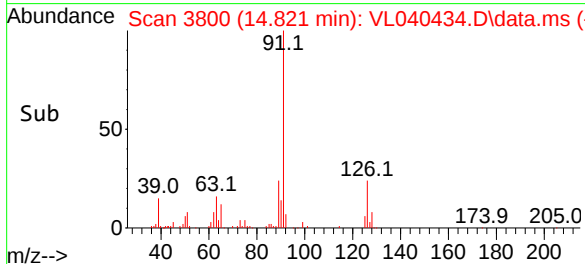
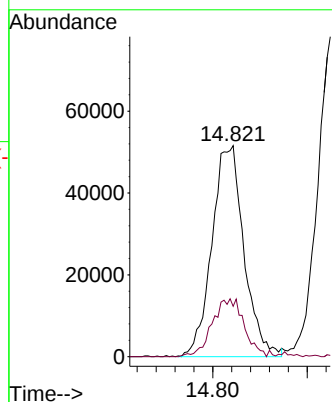
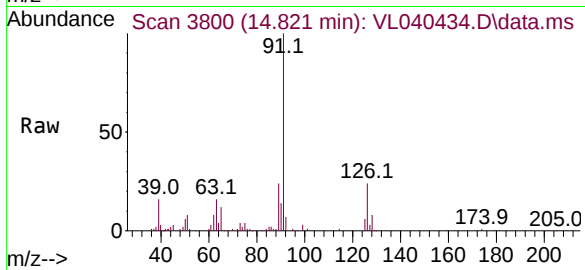
#71
2-Chlorotoluene
Concen: 0.429 ppbv m
RT: 14.821 min Scan# 3796
Delta R.T. 0.009 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 91 Resp: 12167
Ion Ratio Lower Upper
91 100
126 27.5 11.8 47.4

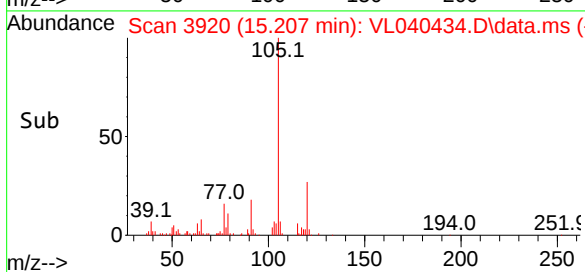
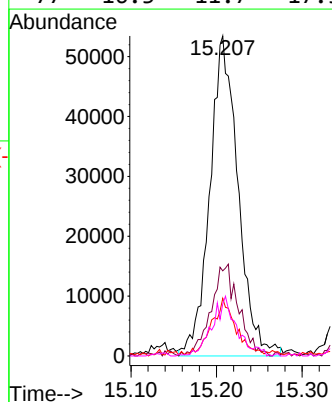
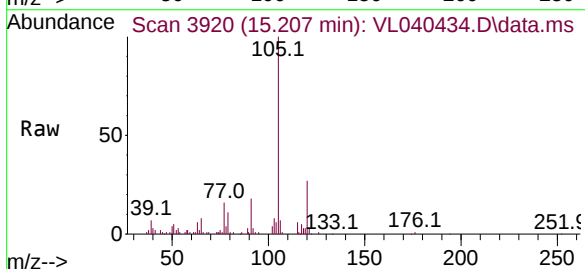
Manual Integrations
APPROVED

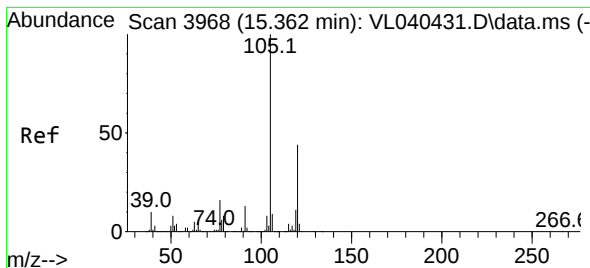
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#72
4-Ethyltoluene
Concen: 0.432 ppbv m
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:105 Resp: 122468
Ion Ratio Lower Upper
105 100
120 28.5 23.0 34.6
91 15.5 11.3 16.9
77 16.3 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 0.445 ppbv m

RT: 15.362 min Scan# 3968

Delta R.T. -0.000 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 116292

Ion Ratio Lower Upper

105 100

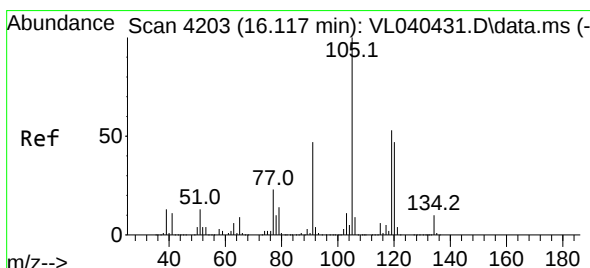
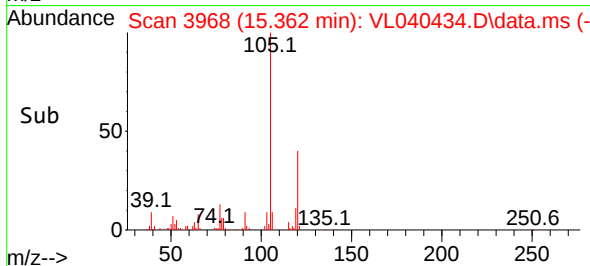
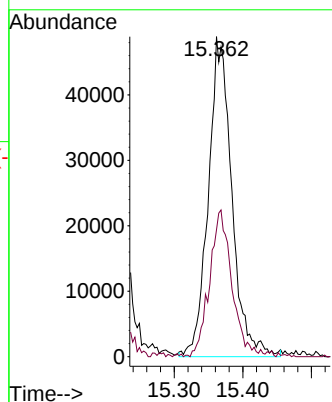
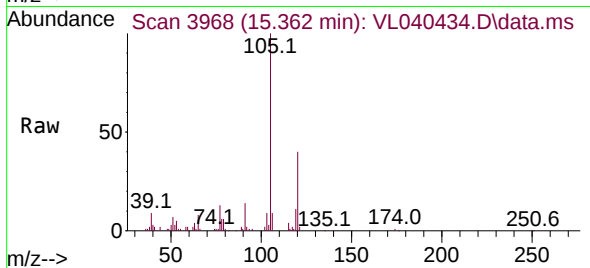
120 39.7 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.471 ppbv m

RT: 16.124 min Scan# 4205

Delta R.T. 0.007 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Tgt Ion:105 Resp: 140820

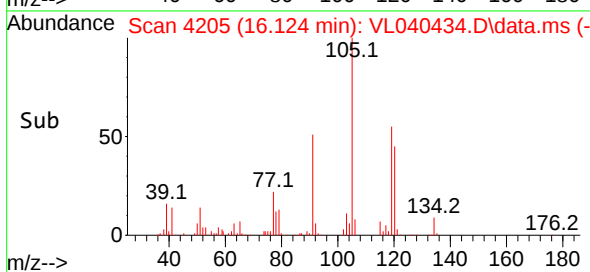
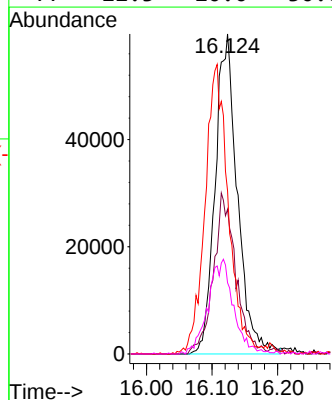
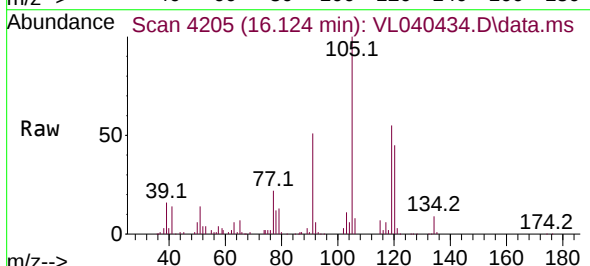
Ion Ratio Lower Upper

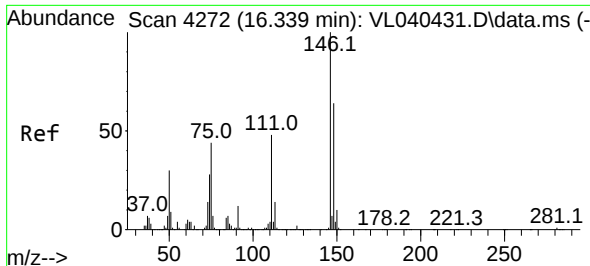
105 100

120 45.2 38.9 58.3

91 51.0 46.0 69.0

77 22.3 20.0 30.0





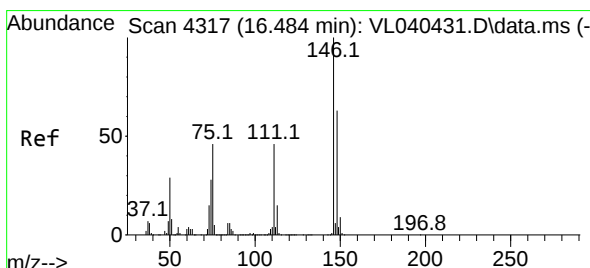
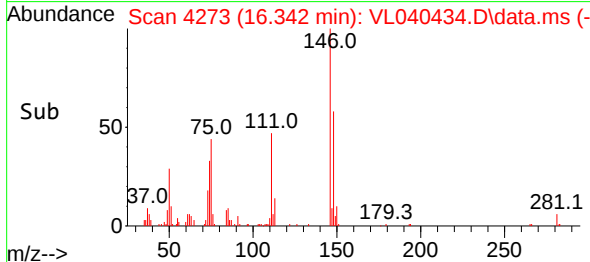
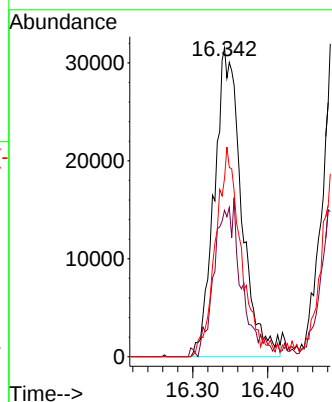
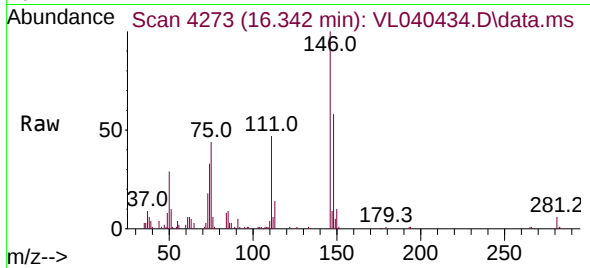
#75
1,3-Dichlorobenzene
Concen: 0.486 ppbv m
RT: 16.342 min Scan# 4273
Delta R.T. 0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 79610
Ion Ratio Lower Upper
146 100
111 50.6 24.6 74.0
148 63.8 32.1 96.3

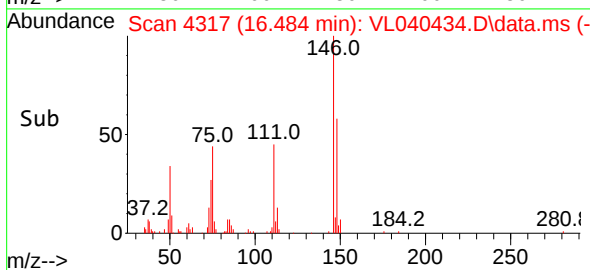
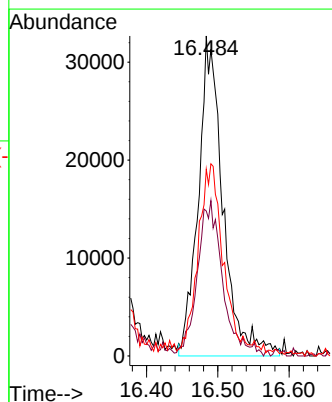
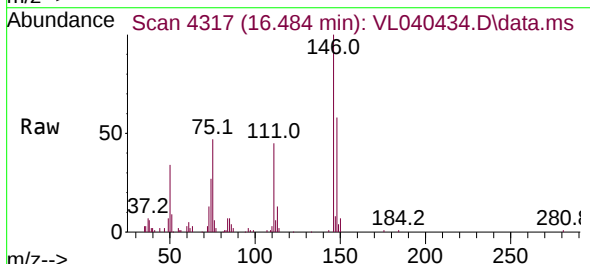
Manual Integrations
APPROVED

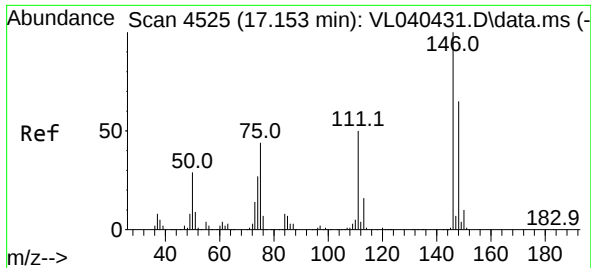
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#76
1,4-Dichlorobenzene
Concen: 0.484 ppbv m
RT: 16.484 min Scan# 4317
Delta R.T. -0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

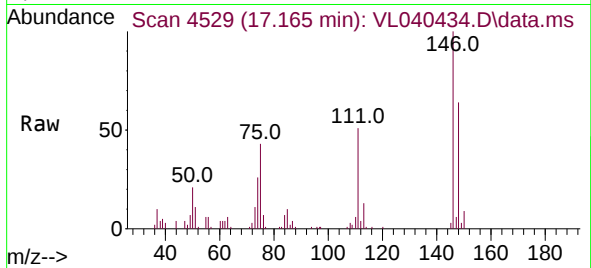
Tgt Ion:146 Resp: 78340
Ion Ratio Lower Upper
146 100
111 50.1 23.8 71.4
148 64.0 32.4 97.2





#77
1,2-Dichlorobenzene
Concen: 0.471 ppbv m
RT: 17.165 min Scan# 4525
Delta R.T. 0.009 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

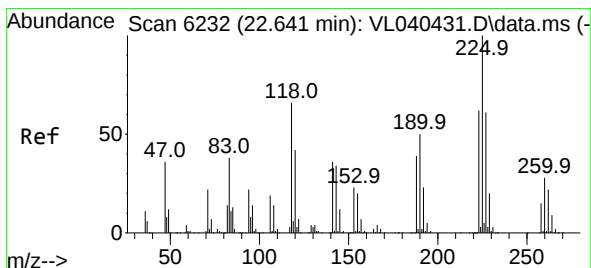
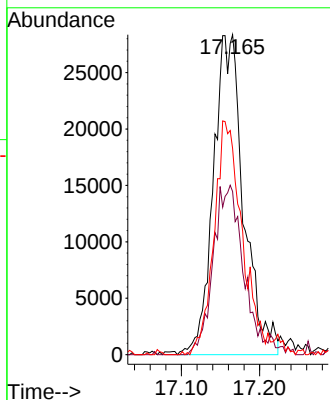
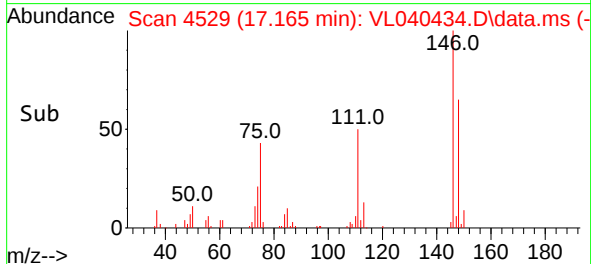
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5



Tgt Ion:146 Resp: 7626
Ion Ratio Lower Upper
146 100
111 54.5 25.4 76.0
148 0.0 32.0 96.2

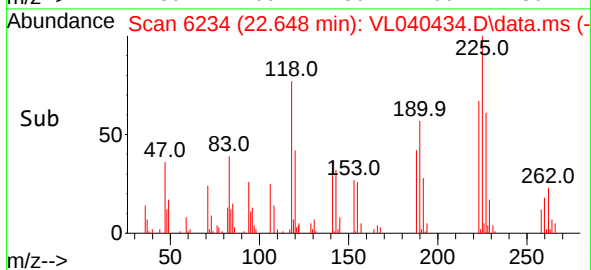
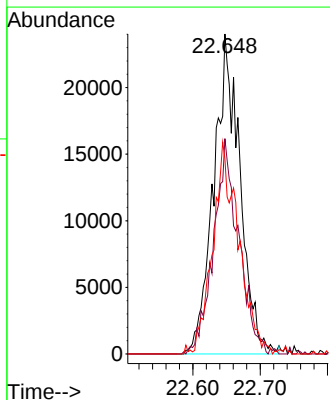
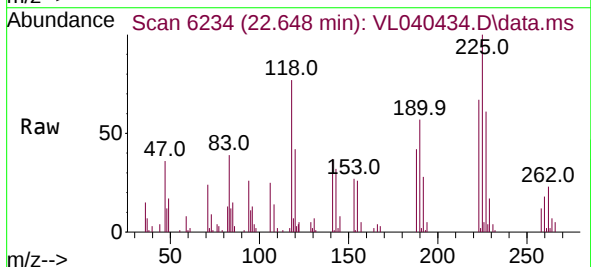
Manual Integrations
APPROVED

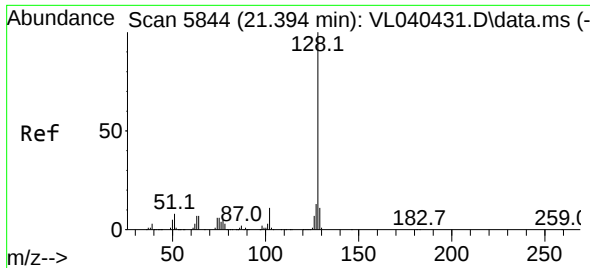
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#78
Hexachloro-1,3-Butadiene
Concen: 0.500 ppbv m
RT: 22.648 min Scan# 6234
Delta R.T. -0.000 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:225 Resp: 64845
Ion Ratio Lower Upper
225 100
223 0.0 50.7 76.1#
227 0.0 51.0 76.4#





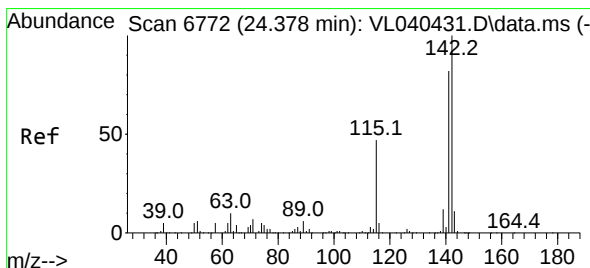
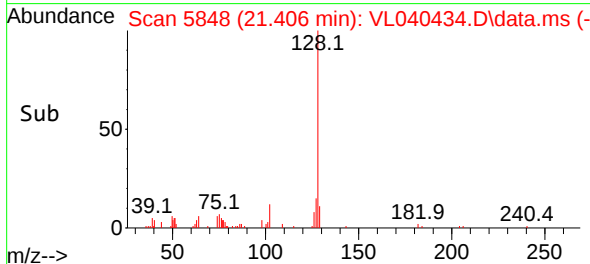
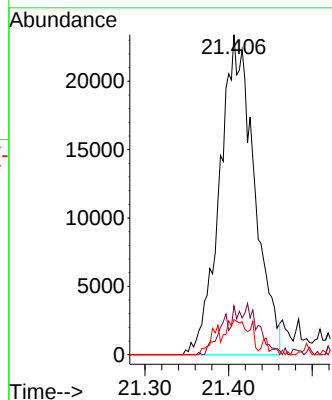
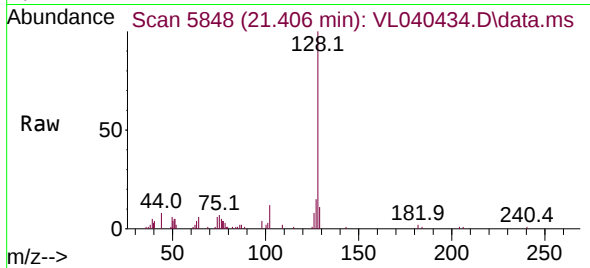
#79
Naphthalene
Concen: 0.332 ppbv m
RT: 21.406 min Scan# 5848
Delta R.T. 0.012 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:128 Resp: 66910
Ion Ratio Lower Upper
128 100
127 15.2 10.0 15.0#
129 11.0 9.4 14.0#

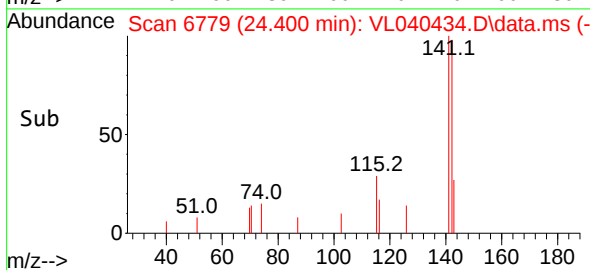
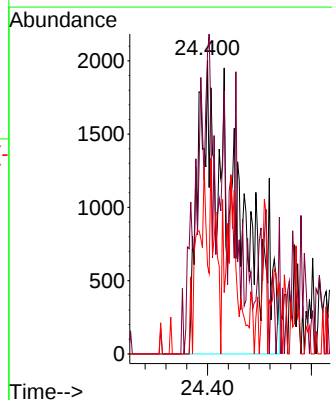
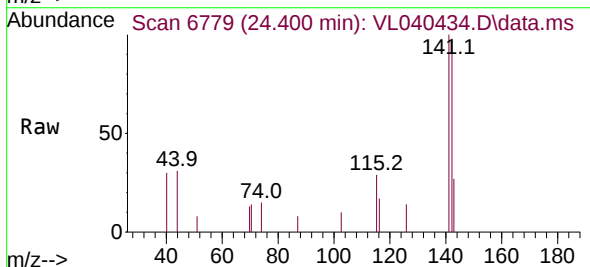
Manual Integrations
APPROVED

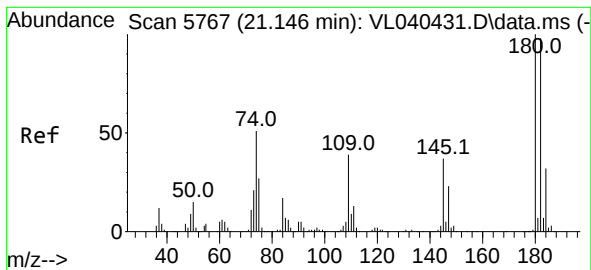
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#80
Naphthalene,2-methyl-
Concen: 0.166 ppbv m
RT: 24.400 min Scan# 6779
Delta R.T. 0.016 min
Lab File: VL040434.D
Acq: 16 May 2023 11:34

Tgt Ion:142 Resp: 9967
Ion Ratio Lower Upper
142 100
141 48.2 65.1 97.7#
115 29.1 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 0.374 ppbv m

RT: 21.162 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040434.D

Acq: 16 May 2023 11:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion:180 Resp: 4632

Ion Ratio Lower Upper

180 100

182 91.7 77.7 116.5

184 29.9 24.2 36.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023

