

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040685.D
 Acq On : 14 Sep 2023 15:06
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 14 16:30:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Sep 14 15:02:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/15/2023
 Supervised By : Mahesh Dadoda 09/15/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1236048	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3288817	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2811422	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2154406	9.635	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	286337	1.075	ppbv	90
3) Chlorodifluoromethane	2.668	51	216461	1.067	ppbv	98
4) Chloromethane	2.806	50	85415	1.079	ppbv	96
5) Vinyl Chloride	2.912	62	87387	1.040	ppbv	89
6) Bromomethane	3.112	94	45309	1.028	ppbv	93
7) Chloroethane	3.189	64	30940	1.009	ppbv	93
8) Dichlorotetrafluoroethane	2.848	85	245058	1.137	ppbv	100
9) Propene	2.684	41	64017	1.018	ppbv	98
10) Heptane	7.571	43	133093m	0.919	ppbv	
11) Trichlorofluoromethane	3.555	101	251977	1.172	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	183574	1.151	ppbv	100
13) Ethanol	3.243	45	18382	1.047	ppbv	72
14) Bromoethene	3.359	108	74552	1.151	ppbv	97
15) Acetone	3.465	43	178248	1.179	ppbv	99
16) 1,3-Butadiene	2.976	39	76161	1.013	ppbv	95
17) tert-Butyl alcohol	3.877	59	178830	1.115	ppbv	98
18) 1,1-Dichloroethene	3.874	96	78309	1.083	ppbv	87
19) Isopropyl Alcohol	3.575	45	108986	1.137	ppbv #	93
20) Methylene Chloride	3.925	84	96823	1.311	ppbv	97
21) Allyl Chloride	3.989	41	101310	1.013	ppbv	89
22) trans-1,2-Dichloroethene	4.436	96	72690	1.024	ppbv	98
23) Vinyl Acetate	4.620	43	181499m	1.054	ppbv	
24) 1,1-Dichloroethane	4.558	63	166425	1.130	ppbv	98
25) Ethyl Acetate	5.205	43	279692	0.985	ppbv	99
26) Hexane	5.201	57	134612	0.980	ppbv	96
27) Carbon Disulfide	4.118	76	160440	0.981	ppbv #	87
28) Methyl tert-Butyl Ether	4.584	73	111900	1.054	ppbv	94
29) Chloroform	5.266	83	225005	1.035	ppbv	94
30) Cyclohexane	6.594	84	101245m	0.963	ppbv	
31) cis-1,2-Dichloroethene	5.073	61	119056	0.960	ppbv	91
32) 1,1,1-Trichloroethane	5.992	97	222898	1.070	ppbv	97
34) 2-Butanone	4.780	43	179529m	1.082	ppbv	
35) Carbon Tetrachloride	6.488	117	229233	1.114	ppbv	94
36) Benzene	6.362	78	245324	0.938	ppbv	95
37) 1,2-Dichloroethane	5.796	62	171618m	1.088	ppbv	
38) Trichloroethene	7.285	130	97874	0.966	ppbv	96
39) 1,2-Dichloropropane	7.066	63	95104	0.955	ppbv	94
40) 1,4-Dioxane	7.301	88	38014m	1.008	ppbv	
41) Tetrahydrofuran	5.562	42	82988	0.885	ppbv	97
42) Bromodichloromethane	7.243	83	228240	1.039	ppbv	98
43) Methyl Methacrylate	7.471	69	84652m	0.864	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	392304	0.928	ppbv	97
45) t-1,3-Dichloropropene	8.706	75	59096	0.755	ppbv	89

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Instrument :
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 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

Quant Time: Sep 14 16:30:36 2023

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

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

QLast Update : Thu Sep 14 15:02:53 2023

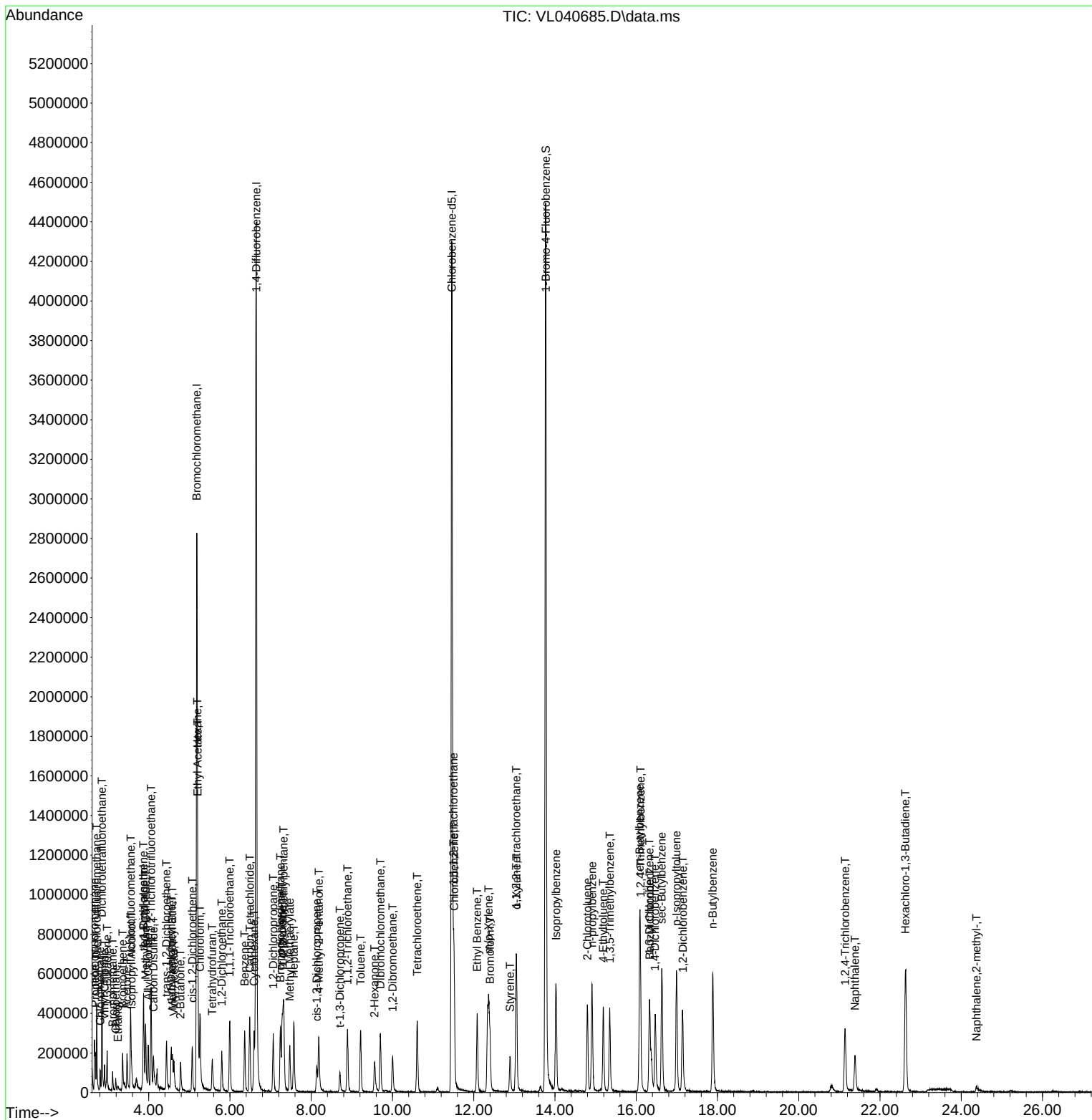
Response via : Initial Calibration

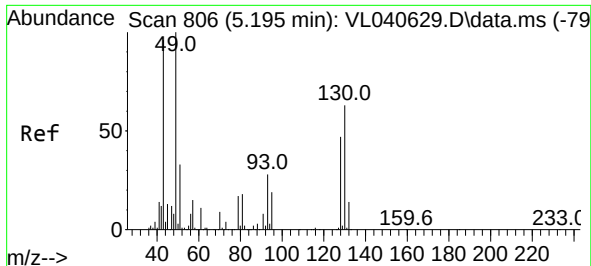
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	75145	0.787	ppbv	93
47) 1,1,2-Trichloroethane	8.893	97	105969	0.942	ppbv	95
48) Dibromochloromethane	9.706	129	166029	0.943	ppbv	96
49) Bromoform	12.401	173	125224	0.888	ppbv	95
50) 4-Methyl-2-Pentanone	8.188	43	214764	0.886	ppbv	97
51) 2-Hexanone	9.558	43	138793m	0.813	ppbv	
52) Tetrachloroethene	10.610	164	83962m	1.025	ppbv	
53) Toluene	9.217	91	247413	0.890	ppbv	97
54) 1,2-Dibromoethane	10.005	107	139490	0.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	142422m	1.095	ppbv	
57) Chlorobenzene	11.520	112	225587	1.040	ppbv	96
58) Ethyl Benzene	12.082	91	322318	0.951	ppbv	98
59) m/p-Xylene	12.368	91	616532m	1.994	ppbv	
60) o-Xylene	13.053	91	290384	0.991	ppbv	98
61) Styrene	12.892	104	107302m	0.835	ppbv	
62) Isopropylbenzene	14.027	105	453295	1.022	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	235025	1.071	ppbv	95
64) n-propylbenzene	14.918	120	111883m	0.998	ppbv	
65) tert-Butylbenzene	16.085	119	406273	1.057	ppbv	97
66) Benzyl Chloride	16.333	91	41702m	0.863	ppbv	
67) sec-Butylbenzene	16.629	105	592434	1.056	ppbv	98
69) p-Isopropyltoluene	16.989	119	459006m	1.046	ppbv	
70) n-Butylbenzene	17.886	91	505656	1.055	ppbv	97
71) 2-Chlorotoluene	14.799	91	322054	0.978	ppbv	100
72) 4-Ethyltoluene	15.188	105	321074	0.970	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.349	105	295367	0.999	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	377775	1.094	ppbv #	88
75) 1,3-Dichlorobenzene	16.326	146	213176	1.067	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	207136m	1.061	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	220250m	1.121	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	168137m	1.128	ppbv	
79) Naphthalene	21.384	128	223430m	0.979	ppbv	
80) Naphthalene,2-methyl-	24.378	142	33026m	0.503	ppbv	
81) 1,2,4-Trichlorobenzene	21.143	180	145974m	0.972	ppbv	

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

Manual Integrations

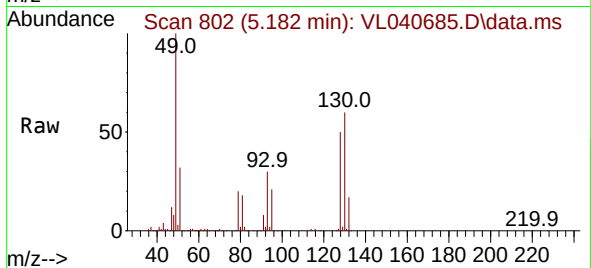
Quant Time: Sep 14 16:30:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Sep 14 15:02:53 2023
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 806
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

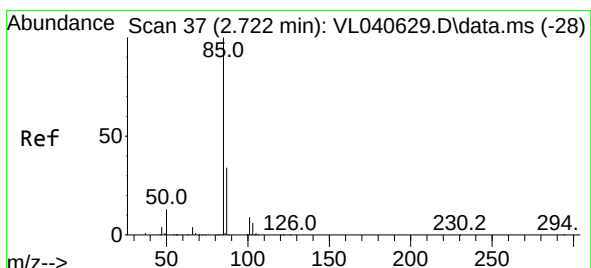
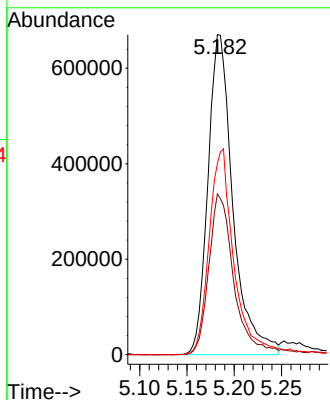
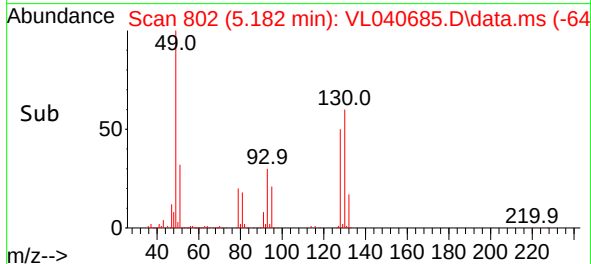
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



Tgt Ion: 49 Resp: 123604
Ion Ratio Lower Upper
49 100
128 52.0 25.4 76.0
130 65.5 32.3 96.8

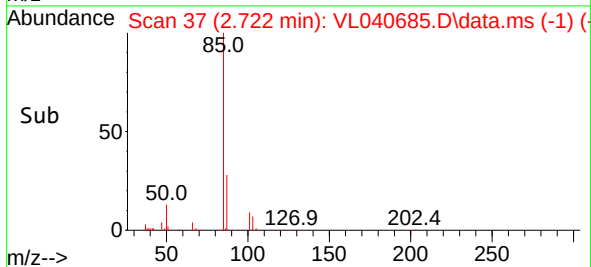
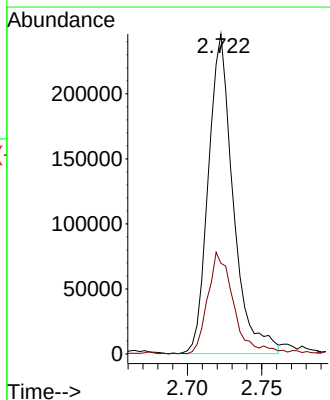
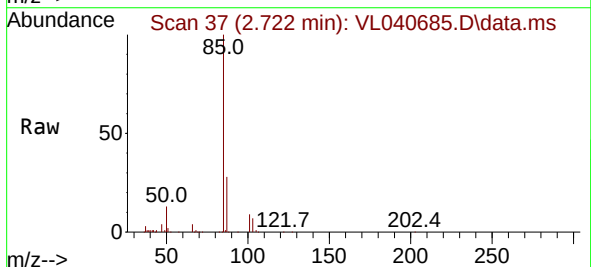
Manual Integrations
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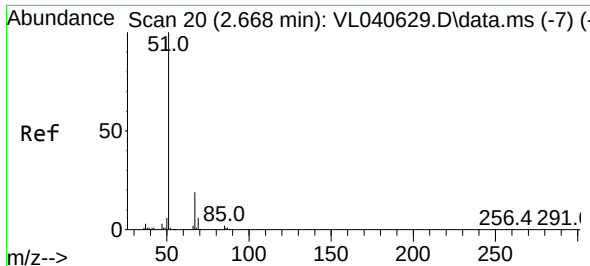
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#2
Dichlorodifluoromethane
Concen: 1.075 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

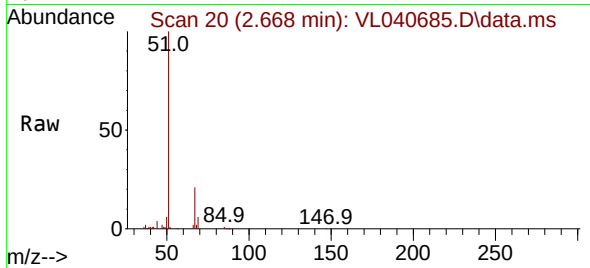
Tgt Ion: 85 Resp: 286337
Ion Ratio Lower Upper
85 100
87 28.3 27.2 40.8





#3
Chlorodifluoromethane
Concen: 1.067 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

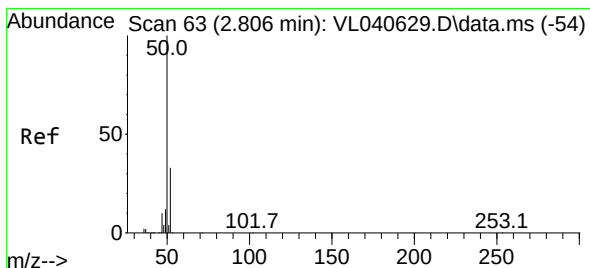
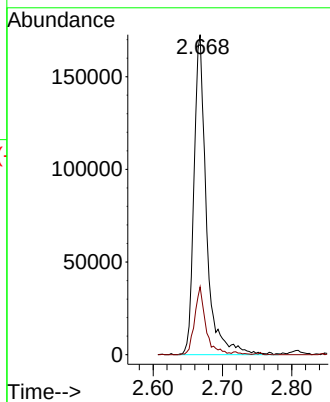
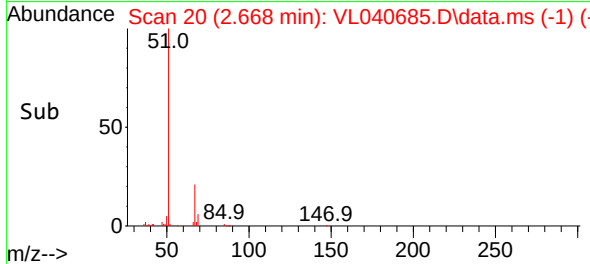
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



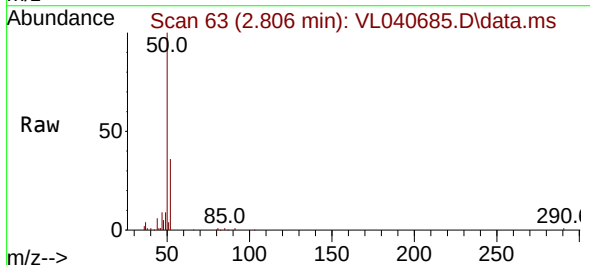
Tgt Ion: 51 Resp: 21646
Ion Ratio Lower Upper
51 100
67 20.0 16.7 25.1

Manual Integrations
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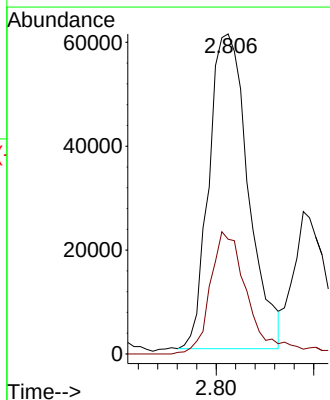
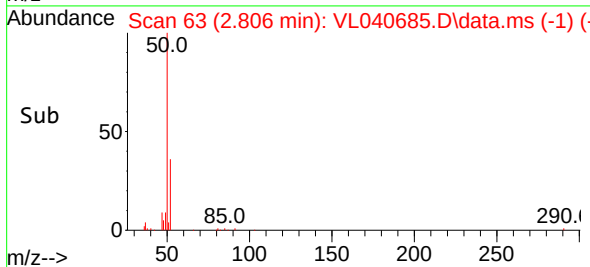
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

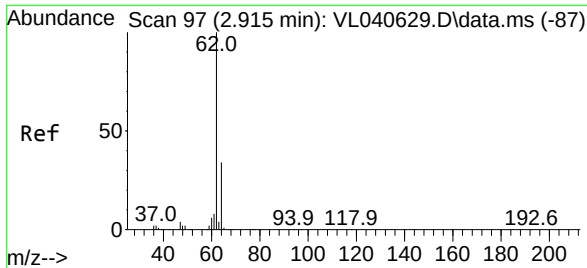


#4
Chloromethane
Concen: 1.079 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



Tgt Ion: 50 Resp: 85415
Ion Ratio Lower Upper
50 100
52 35.9 27.1 40.7





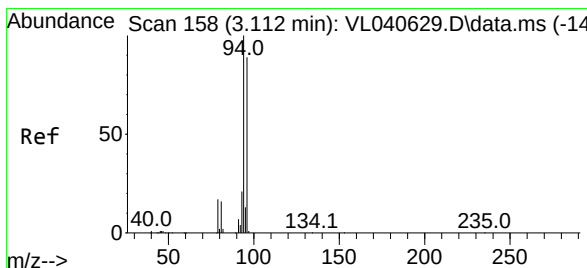
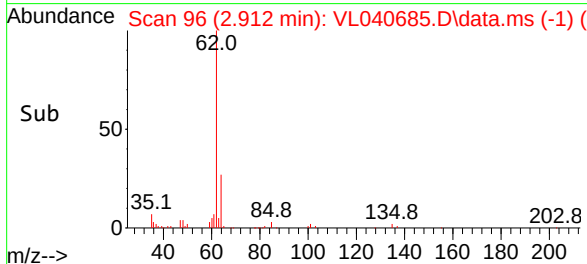
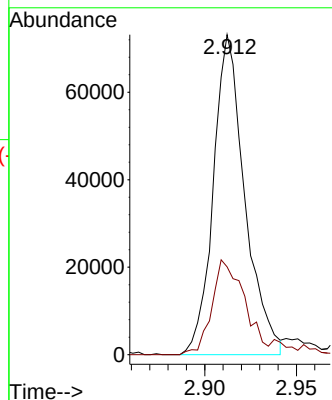
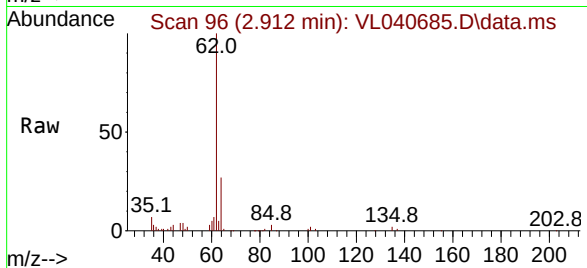
#5
 Vinyl Chloride
 Concen: 1.040 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 8738
 Ion Ratio Lower Upper
 62 100
 64 27.4 27.2 40.8

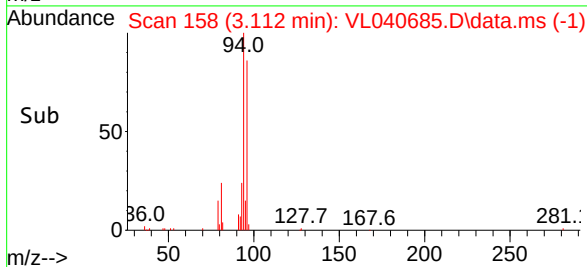
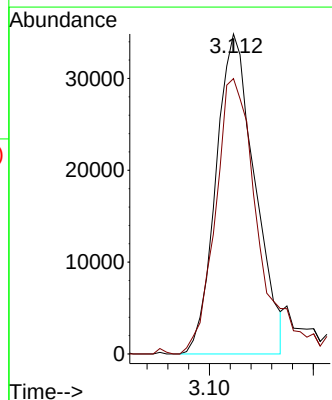
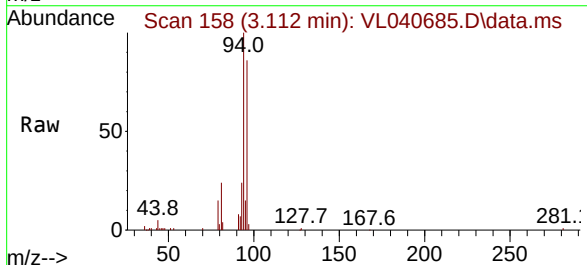
Manual Integrations
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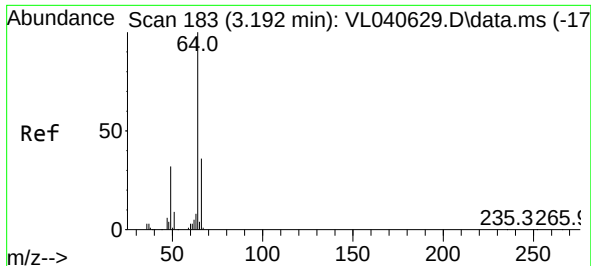
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023



#6
 Bromomethane
 Concen: 1.028 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 94 Resp: 45309
 Ion Ratio Lower Upper
 94 100
 96 86.0 74.4 111.6





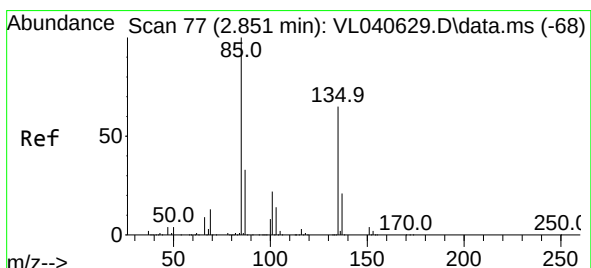
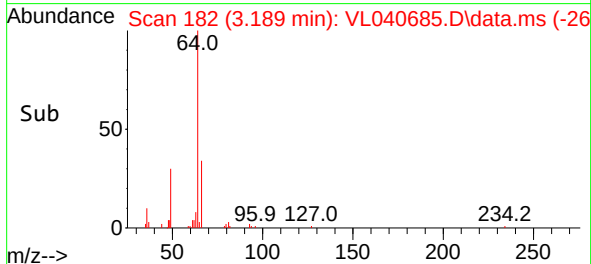
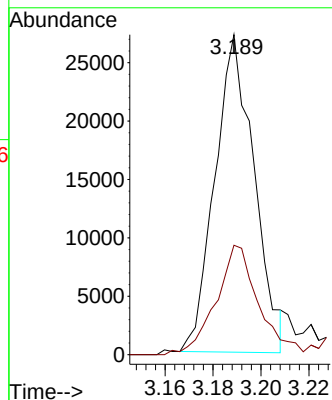
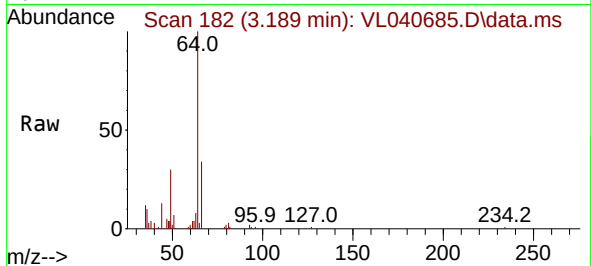
#7
Chloroethane
Concen: 1.009 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 30940
Ion Ratio Lower Upper
64 100
66 34.2 24.5 36.7

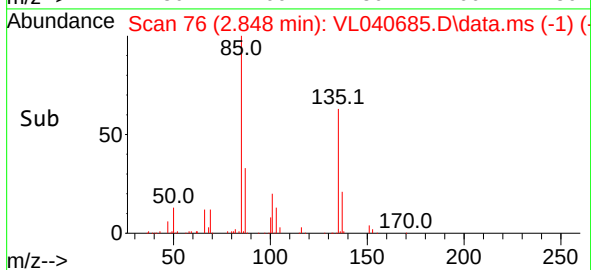
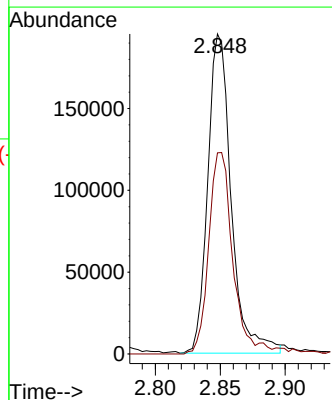
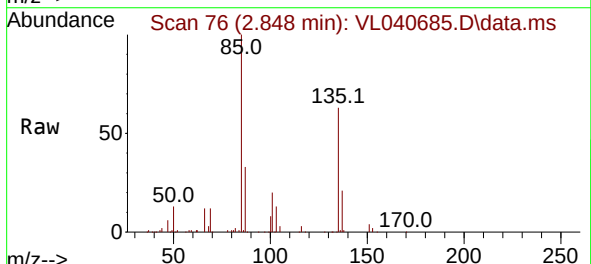
Manual Integrations
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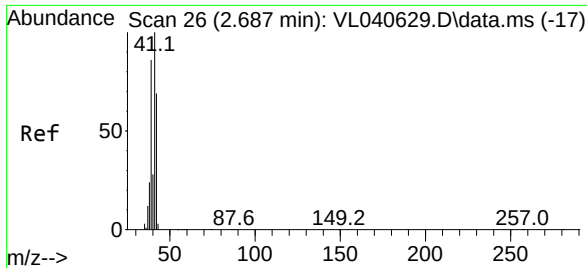
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#8
Dichlorotetrafluoroethane
Concen: 1.137 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 85 Resp: 245058
Ion Ratio Lower Upper
85 100
135 67.0 53.4 80.2





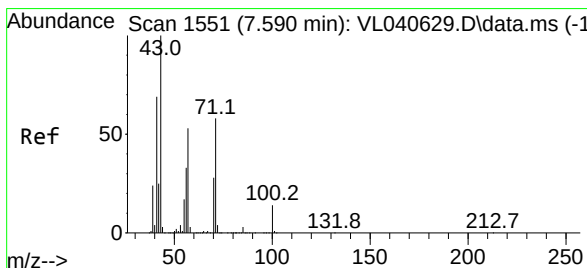
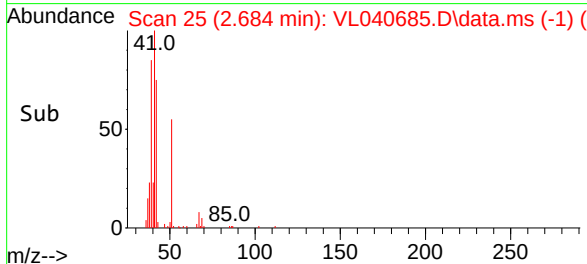
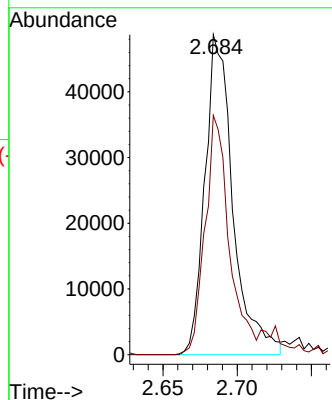
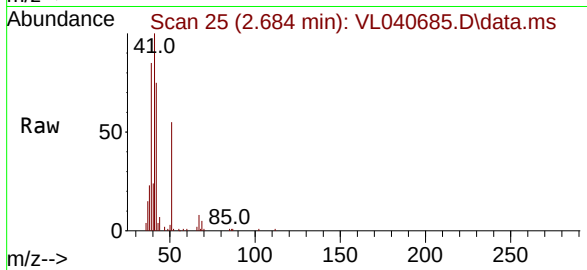
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 Propene
 Concen: 1.018 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 41 Resp: 6401
 Ion Ratio Lower Upper
 41 100
 42 72.4 56.7 85.1

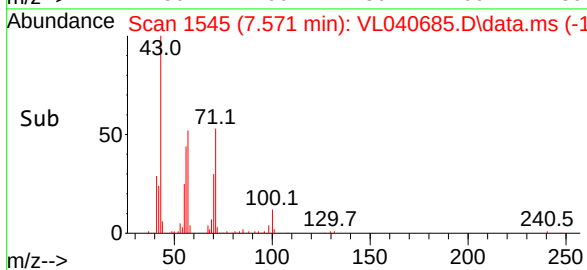
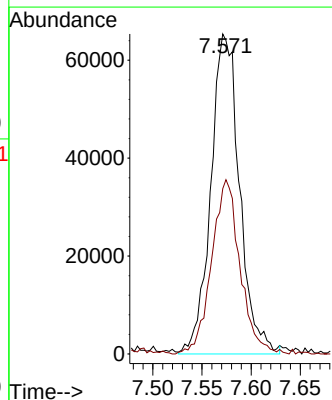
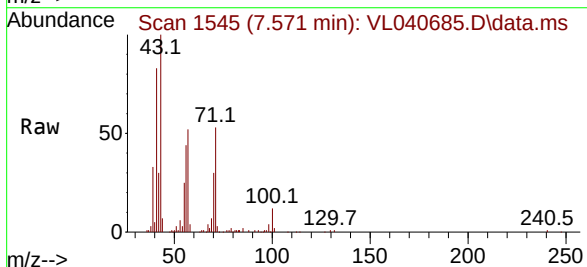
Manual Integrations
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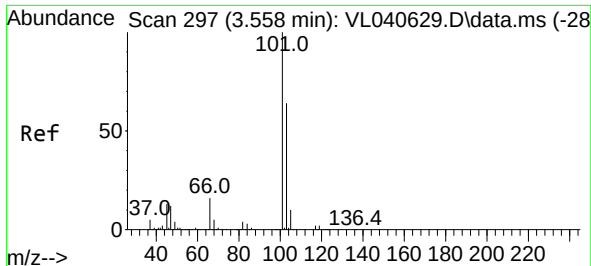
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023



#10
 Heptane
 Concen: 0.919 ppbv m
 RT: 7.571 min Scan# 1545
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 43 Resp: 133093
 Ion Ratio Lower Upper
 43 100
 57 54.2 41.8 62.6





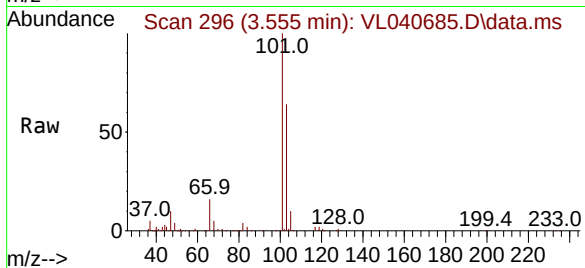
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 Trichlorofluoromethane
 Concen: 1.172 ppbv
 RT: 3.555 min Scan# 297
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

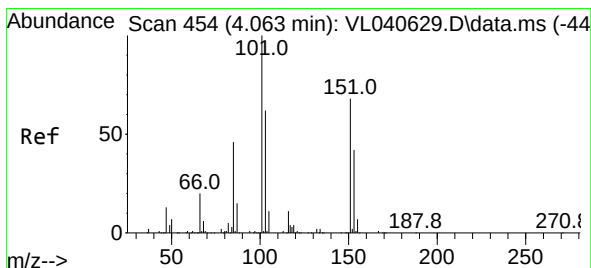
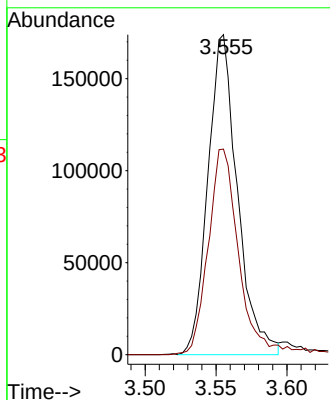
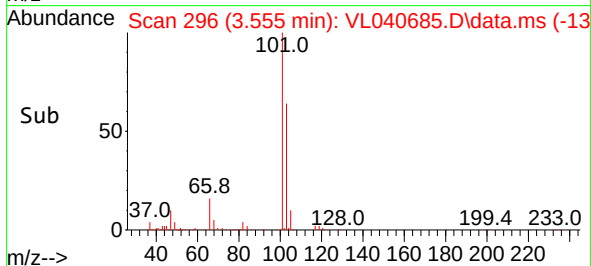


Tgt Ion:101 Resp: 25197
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.3 76.9

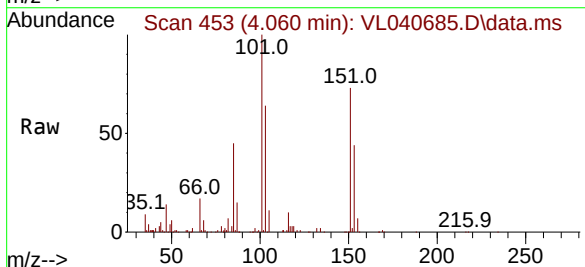
Manual Integrations

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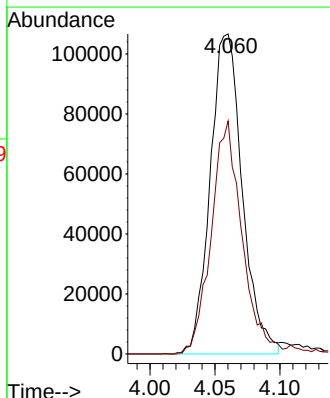
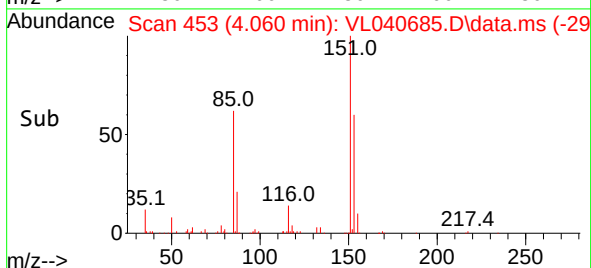
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

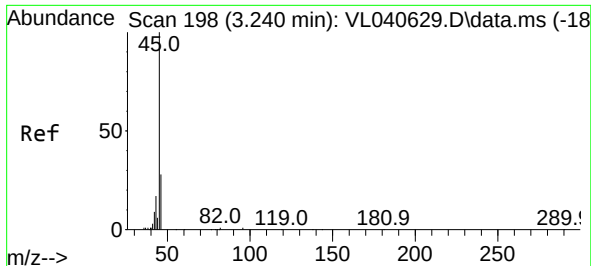


#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.151 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06



Tgt Ion:101 Resp: 183574
 Ion Ratio Lower Upper
 101 100
 151 71.0 56.8 85.2





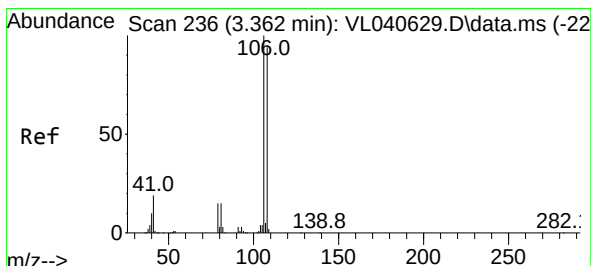
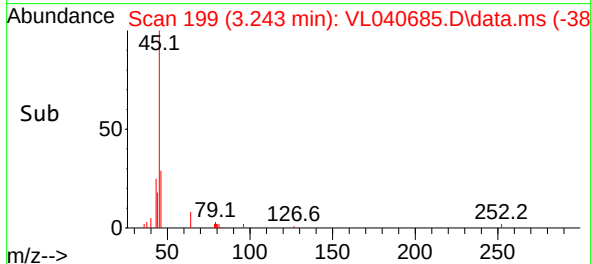
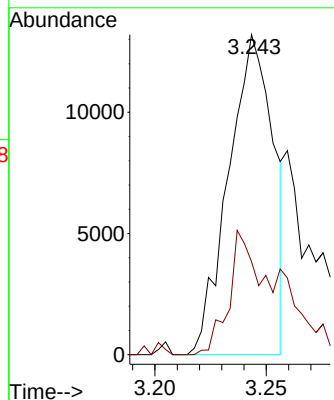
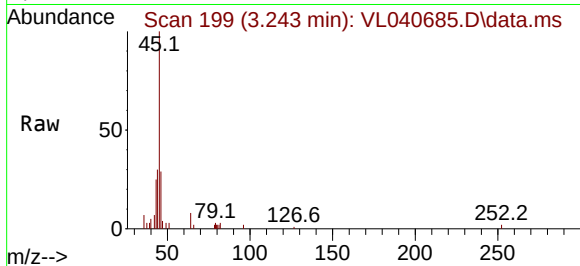
#13
Ethanol
Concen: 1.047 ppbv
RT: 3.243 min Scan# 198
Delta R.T. 0.016 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 45 Resp: 1838
Ion Ratio Lower Upper
45 100
46 55.0 15.2 61.0

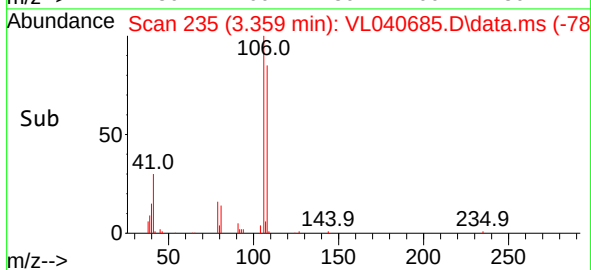
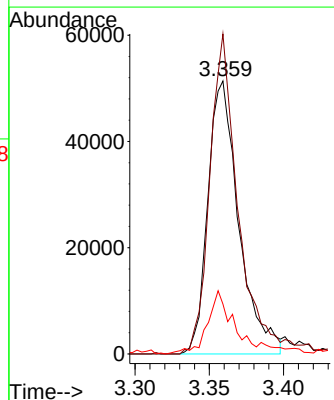
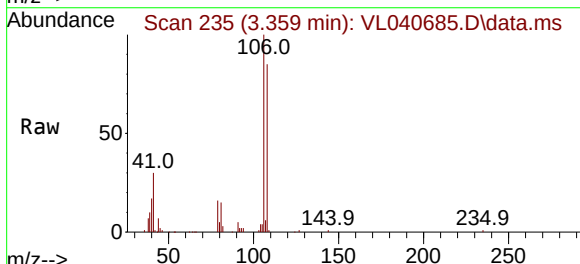
Manual Integrations
APPROVED

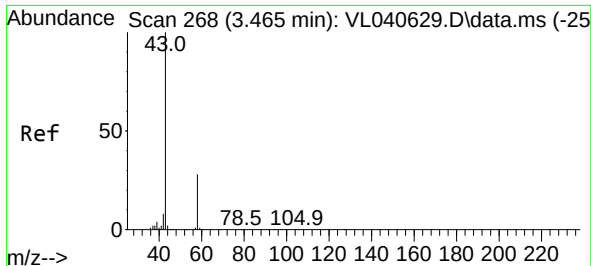
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#14
Bromoethene
Concen: 1.151 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

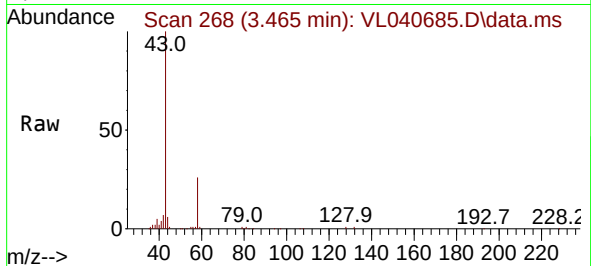
Tgt Ion:108 Resp: 74552
Ion Ratio Lower Upper
108 100
106 111.1 86.0 129.0
79 20.7 15.6 23.4





#15
Acetone
Concen: 1.179 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

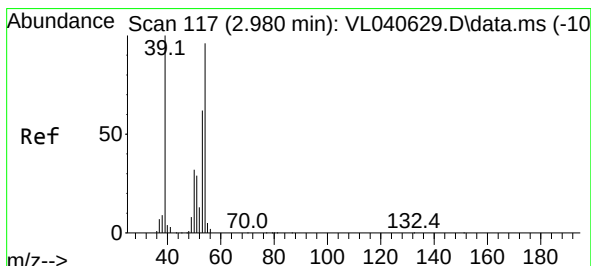
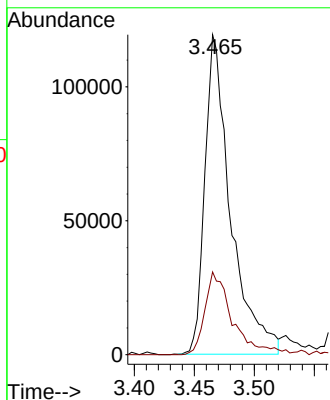
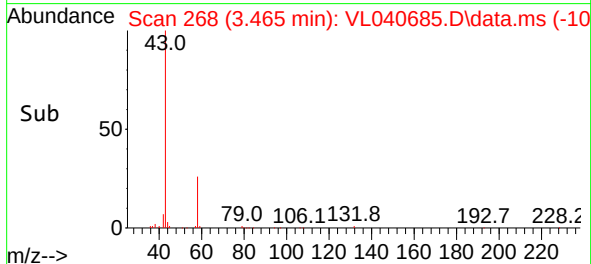
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



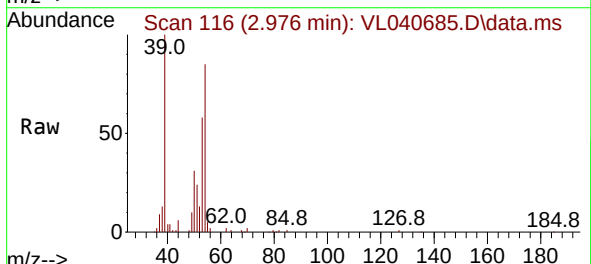
Tgt Ion: 43 Resp: 17824
Ion Ratio Lower Upper
43 100
58 27.8 22.6 34.0

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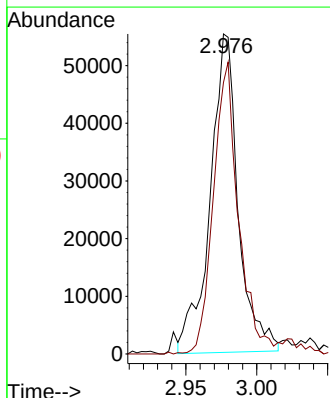
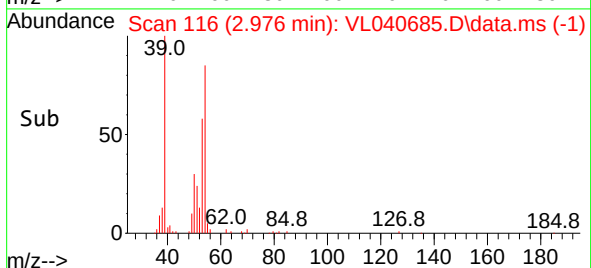
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

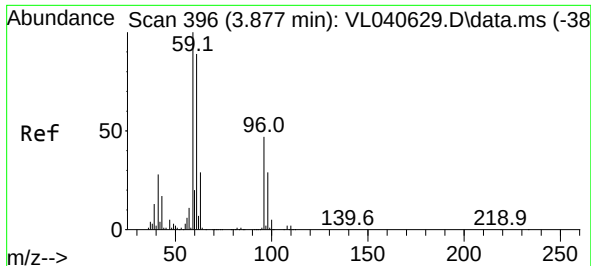


#16
1,3-Butadiene
Concen: 1.013 ppbv
RT: 2.976 min Scan# 116
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



Tgt Ion: 39 Resp: 76161
Ion Ratio Lower Upper
39 100
54 85.4 64.8 97.2





#17

tert-Butyl alcohol

Concen: 1.115 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.010 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 59 Resp: 178830

Ion Ratio Lower Upper

59 100

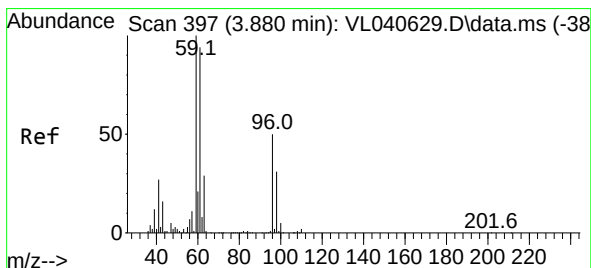
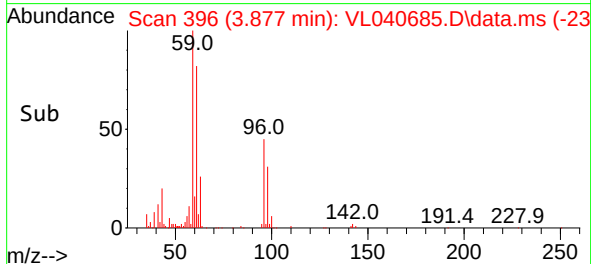
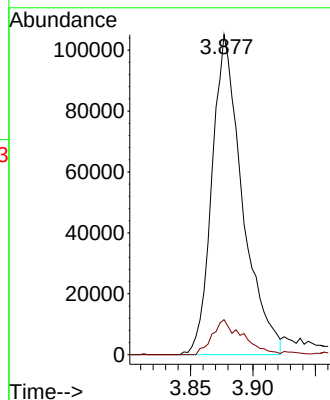
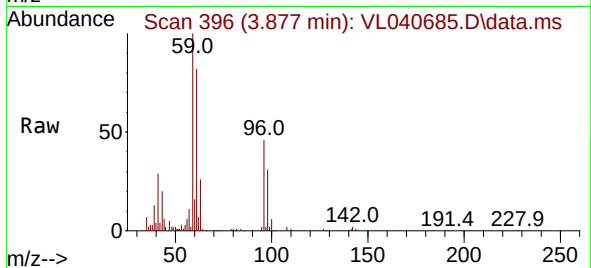
57 11.7 8.7 13.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#18

1,1-Dichloroethene

Concen: 1.083 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

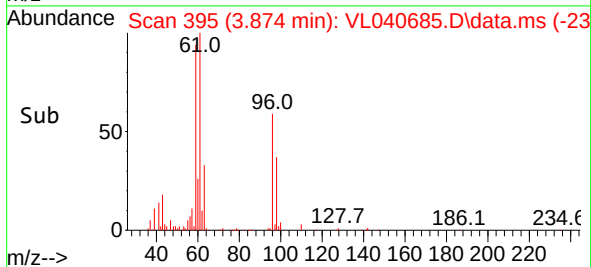
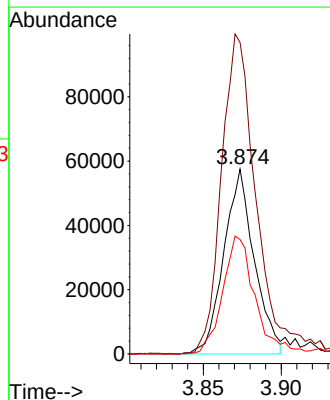
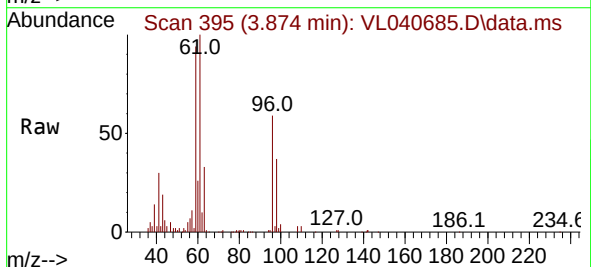
Tgt Ion: 96 Resp: 78309

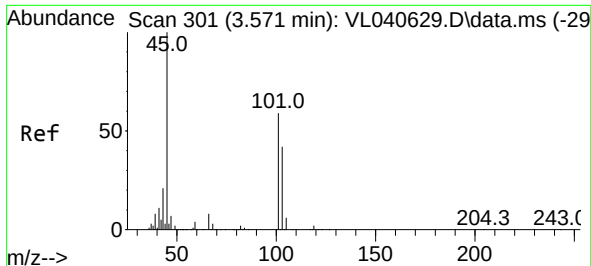
Ion Ratio Lower Upper

96 100

61 168.5 153.6 230.4

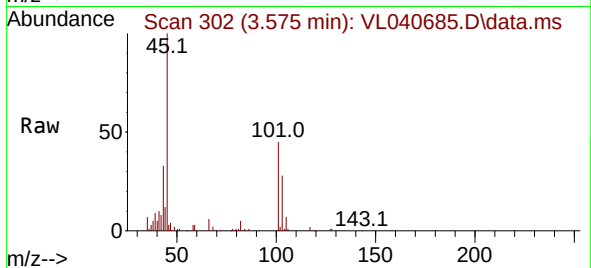
98 61.6 51.9 77.9





#19
Isopropyl Alcohol
Concen: 1.137 ppbv
RT: 3.575 min Scan# 301
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

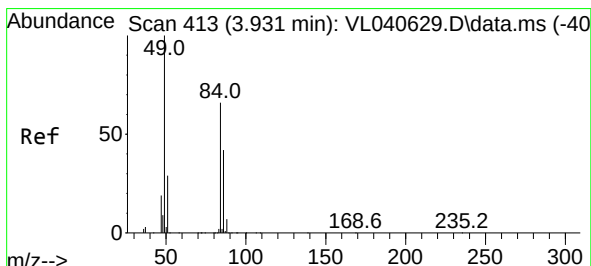
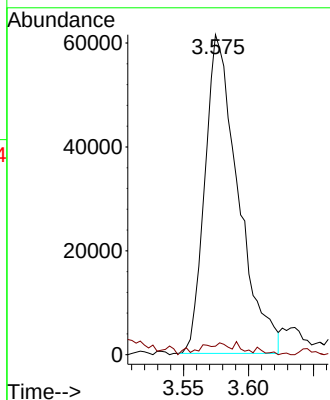
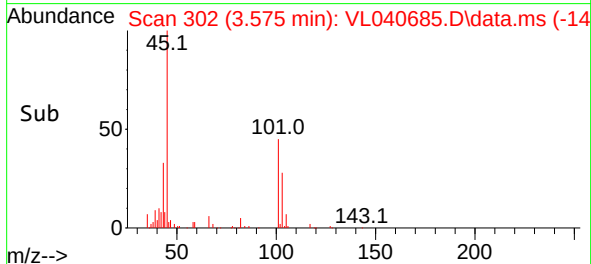
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001



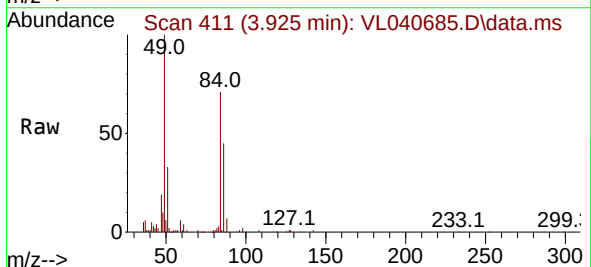
Tgt Ion: 45 Resp: 108980
Ion Ratio Lower Upper
45 100
58 4.8 1.9 2.9

Manual Integrations
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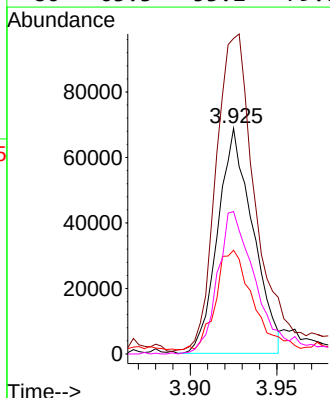
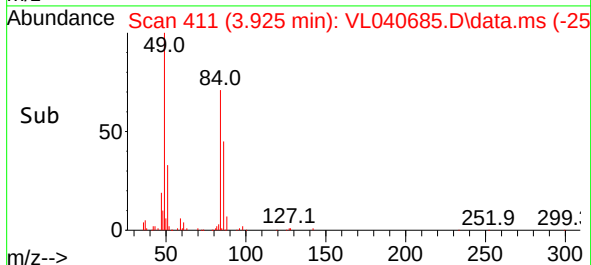
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

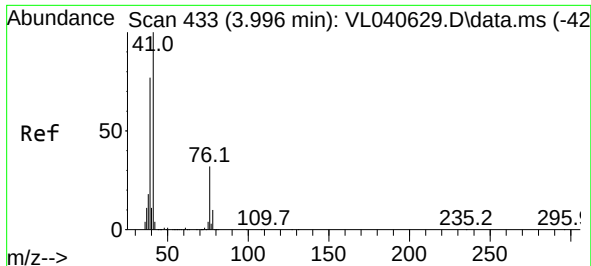


#20
Methylene Chloride
Concen: 1.311 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



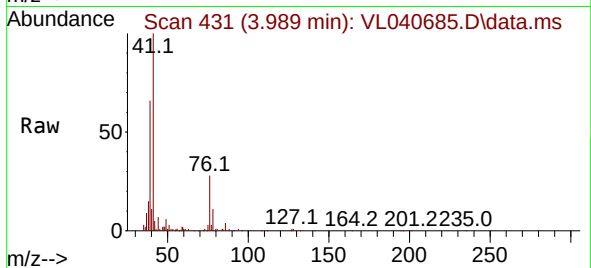
Tgt Ion: 84 Resp: 96823
Ion Ratio Lower Upper
84 100
49 138.3 114.4 171.6
51 44.3 35.5 53.3
86 63.3 53.2 79.8





#21
 Allyl Chloride
 Concen: 1.013 ppbv
 RT: 3.989 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

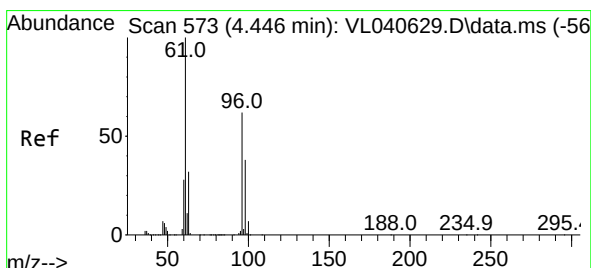
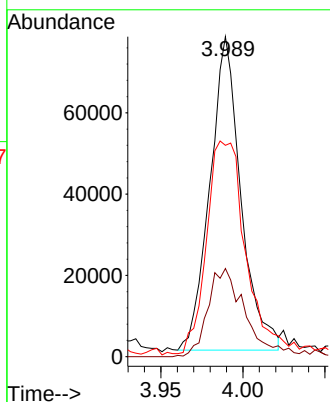
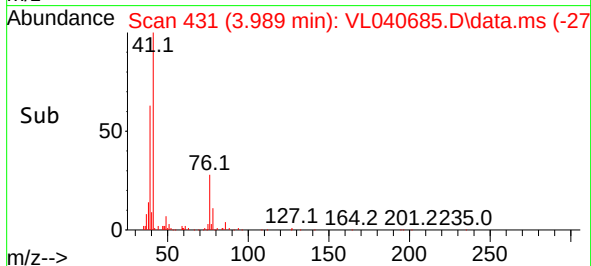
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



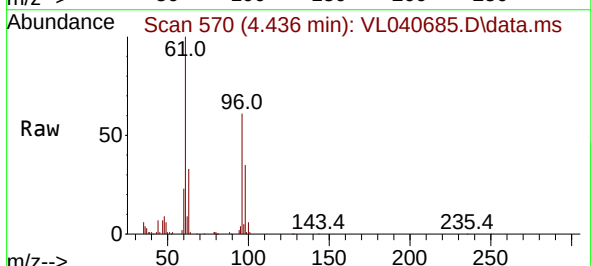
Tgt Ion: 41 Resp: 101310
 Ion Ratio Lower Upper
 41 100
 76 34.9 26.6 40.0
 39 94.0 65.0 97.4

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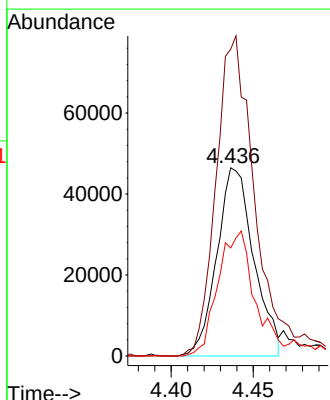
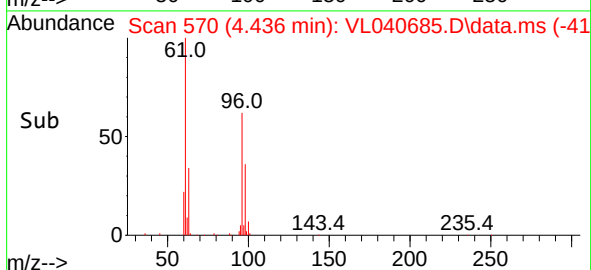
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

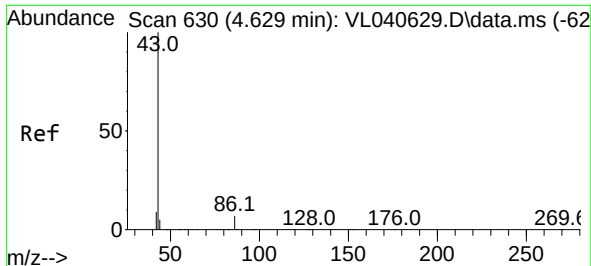


#22
 trans-1,2-Dichloroethene
 Concen: 1.024 ppbv
 RT: 4.436 min Scan# 570
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06



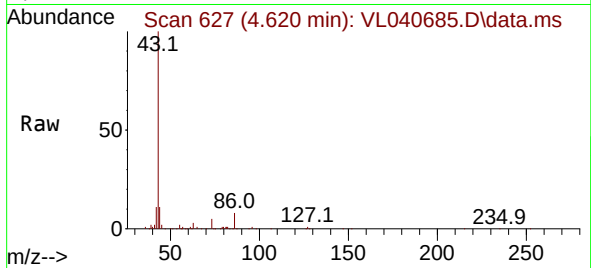
Tgt Ion: 96 Resp: 72690
 Ion Ratio Lower Upper
 96 100
 61 163.0 129.9 194.9
 98 57.4 50.2 75.4





#23
 Vinyl Acetate
 Concen: 1.054 ppbv m
 RT: 4.620 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

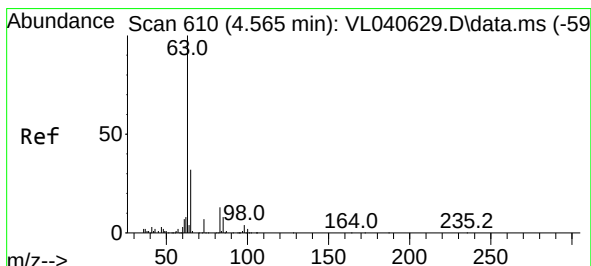
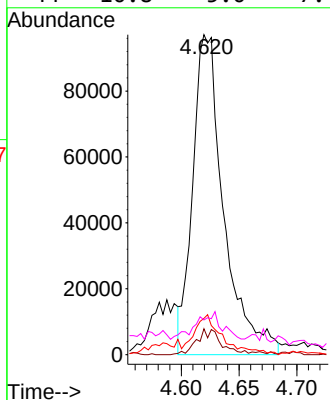
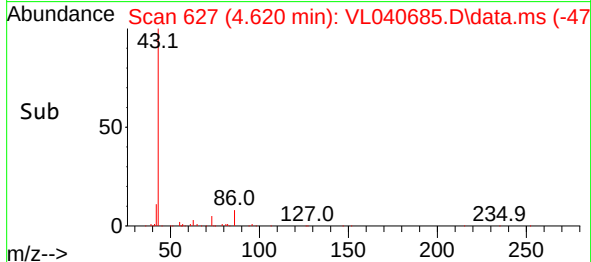
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion: 43 Resp: 181499
 Ion Ratio Lower Upper
 43 100
 86 8.1 5.6 8.4
 42 11.3 7.6 11.4
 44 10.8 5.0 7.4#

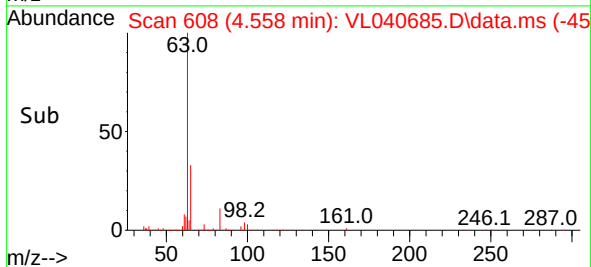
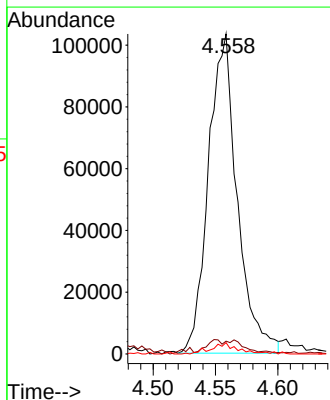
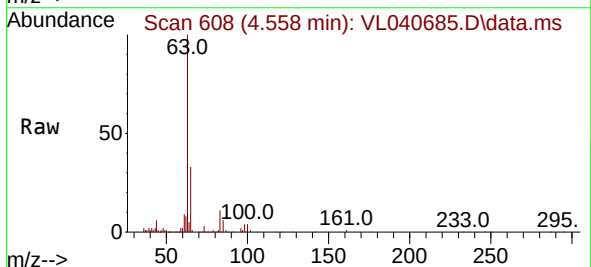
Manual Integrations
 APPROVED

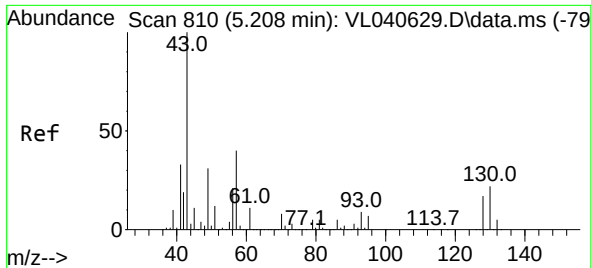
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023



#24
 1,1-Dichloroethane
 Concen: 1.130 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.006 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

Tgt Ion: 63 Resp: 166425
 Ion Ratio Lower Upper
 63 100
 98 3.6 1.8 5.5
 100 3.6 1.2 3.6





#25
Ethyl Acetate
Concen: 0.985 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

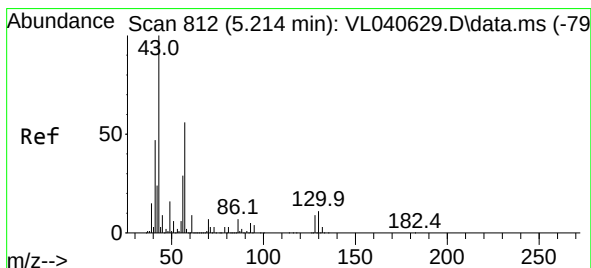
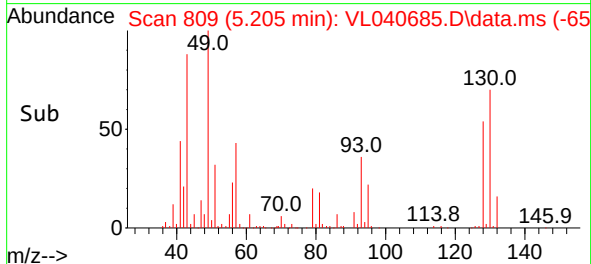
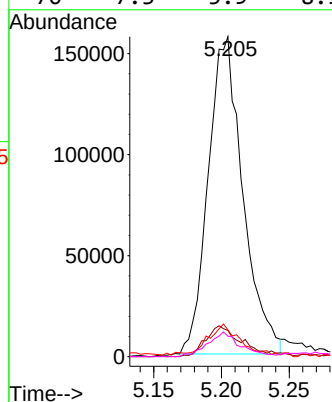
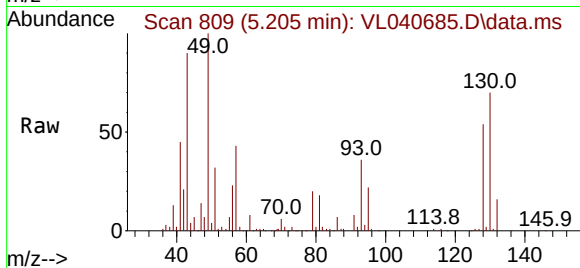
VSTDICC001

Tgt Ion: 43 Resp: 279692
Ion Ratio Lower Upper
43 100
45 11.0 8.2 12.4
61 10.6 8.2 12.4
70 7.3 5.9 8.9

Manual Integrations

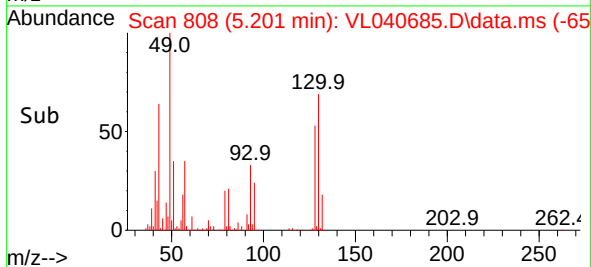
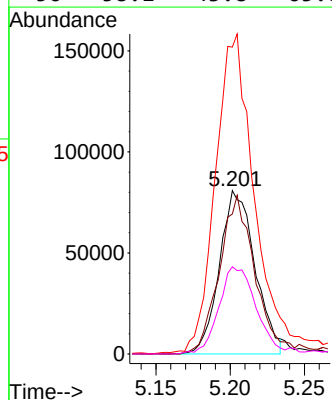
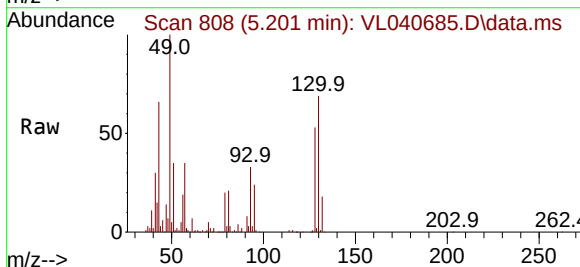
APPROVED

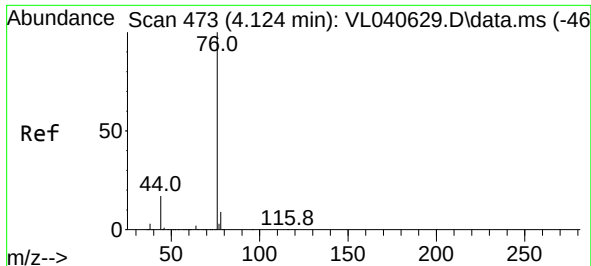
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#26
Hexane
Concen: 0.980 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

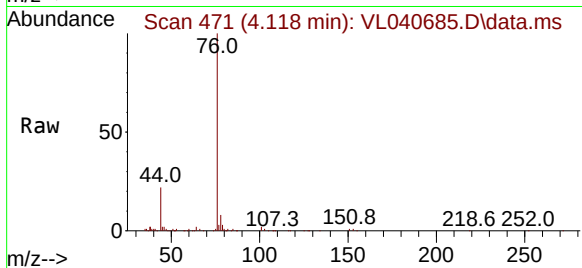
Tgt Ion: 57 Resp: 134612
Ion Ratio Lower Upper
57 100
41 101.6 75.2 112.8
43 226.9 185.6 278.4
56 58.1 43.8 65.8





#27
Carbon Disulfide
Concen: 0.981 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

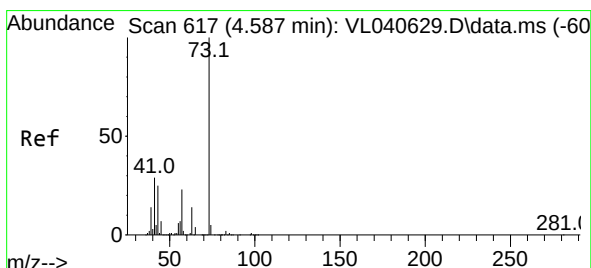
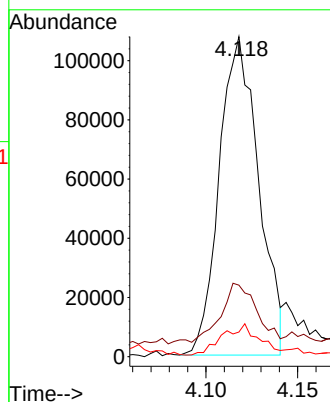
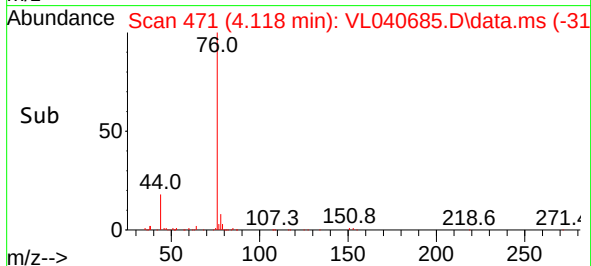
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



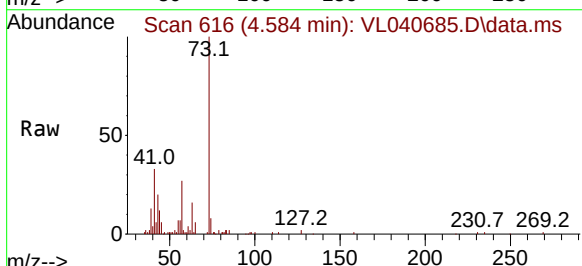
Tgt Ion: 76 Resp: 160440
Ion Ratio Lower Upper
76 100
44 25.0 14.5 21.7
78 12.5 7.7 11.5

Manual Integrations
APPROVED

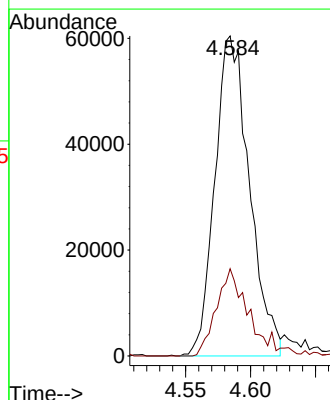
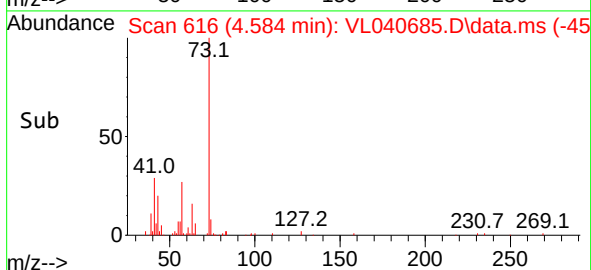
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

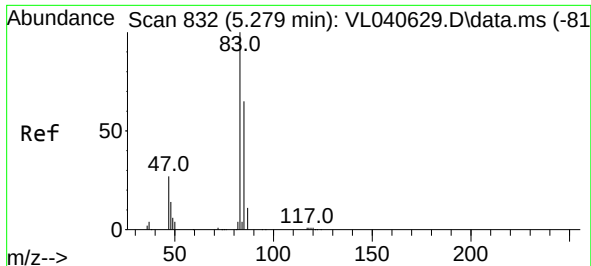


#28
Methyl tert-Butyl Ether
Concen: 1.054 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



Tgt Ion: 73 Resp: 111900
Ion Ratio Lower Upper
73 100
57 26.3 18.8 28.2





#29

Chloroform

Concen: 1.035 ppbv

RT: 5.266 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 83 Resp: 22500

Ion Ratio Lower Upper

83 100

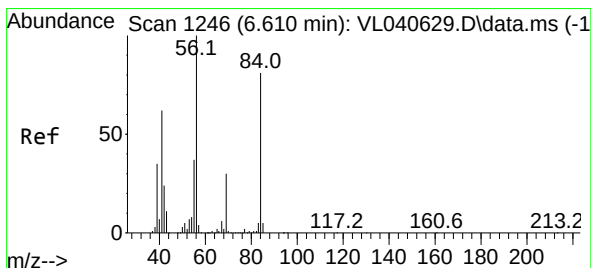
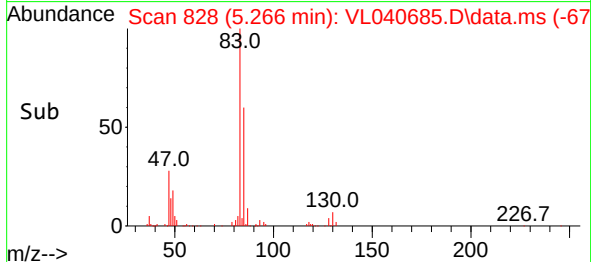
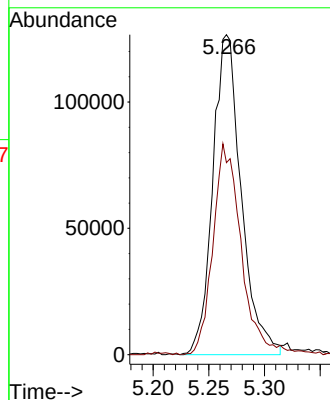
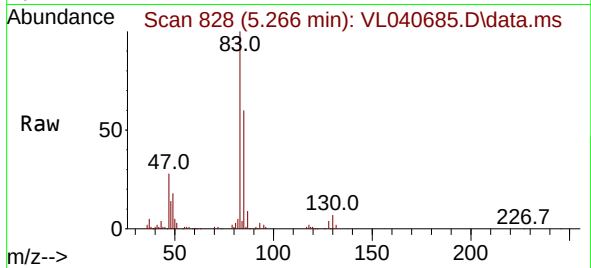
85 60.0 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#30

Cyclohexane

Concen: 0.963 ppbv m

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

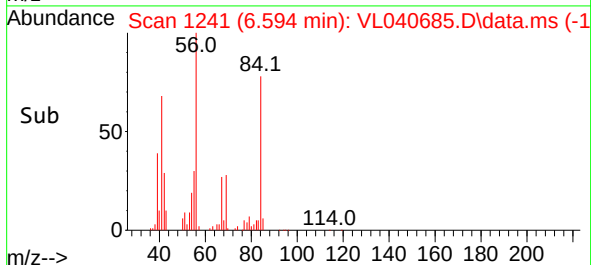
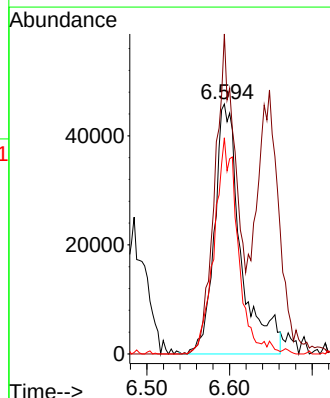
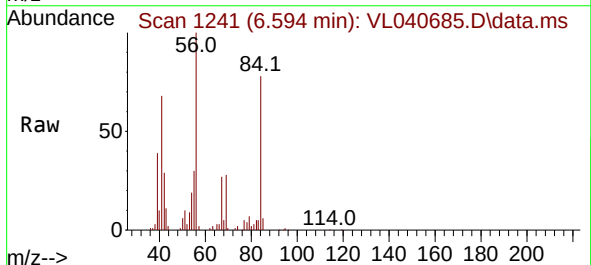
Tgt Ion: 84 Resp: 101245

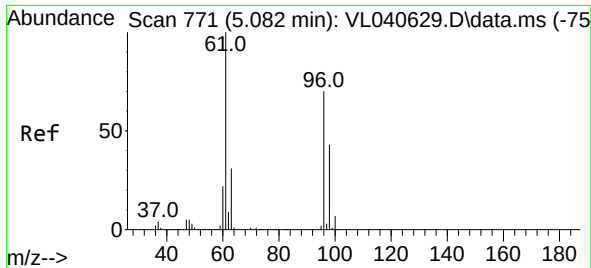
Ion Ratio Lower Upper

84 100

56 101.8 103.2 154.8#

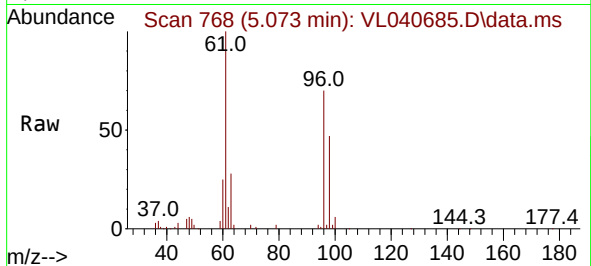
41 78.8 65.5 98.3





#31
 cis-1,2-Dichloroethene
 Concen: 0.960 ppbv
 RT: 5.073 min Scan# 710
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

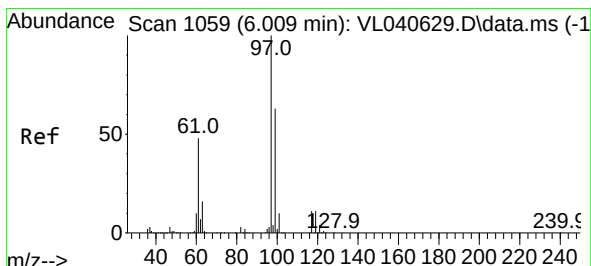
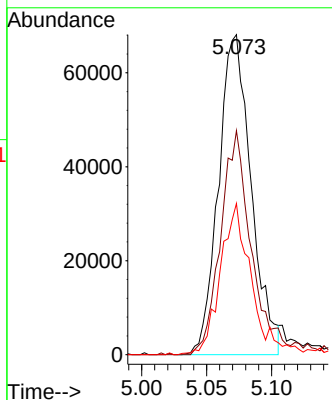
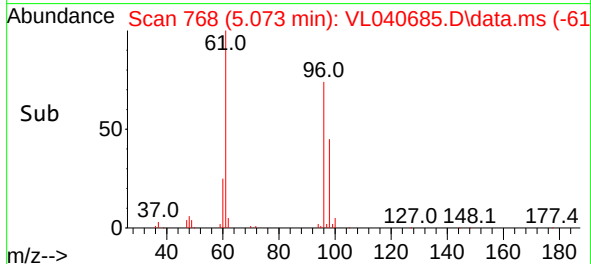
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



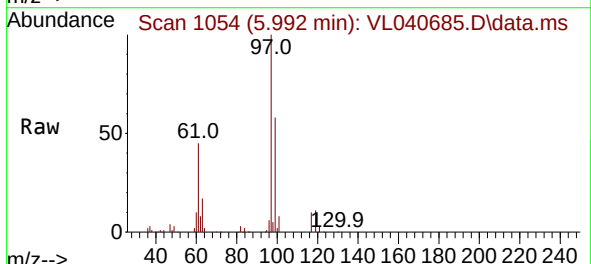
Tgt Ion: 61 Resp: 119050
 Ion Ratio Lower Upper
 61 100
 96 70.0 51.2 76.8
 98 47.2 32.3 48.5

Manual Integrations
 APPROVED

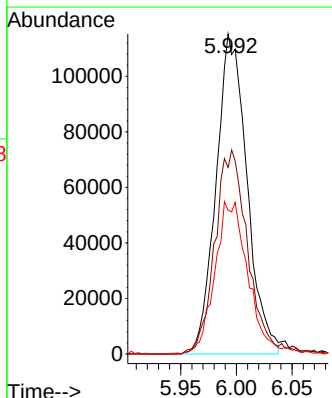
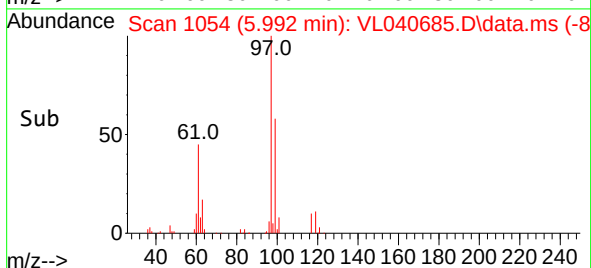
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

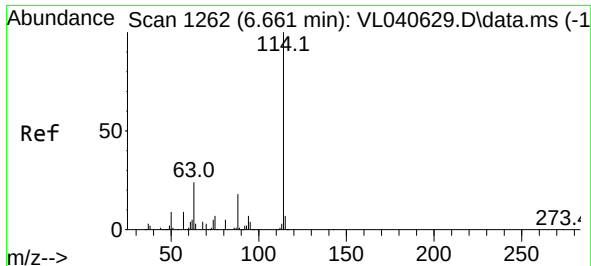


#32
 1,1,1-Trichloroethane
 Concen: 1.070 ppbv
 RT: 5.992 min Scan# 1054
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06



Tgt Ion: 97 Resp: 222898
 Ion Ratio Lower Upper
 97 100
 99 68.1 52.4 78.6
 61 51.4 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 328881

Ion Ratio Lower Upper

114 100

63 25.5 21.1 31.7

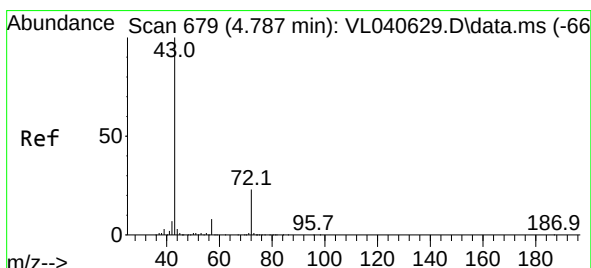
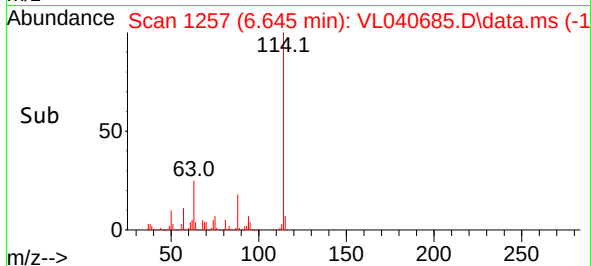
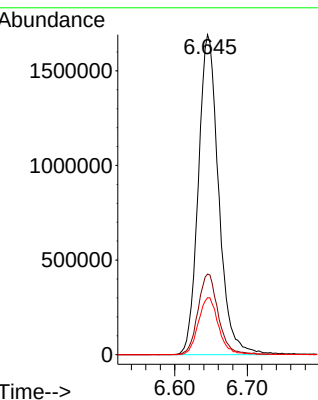
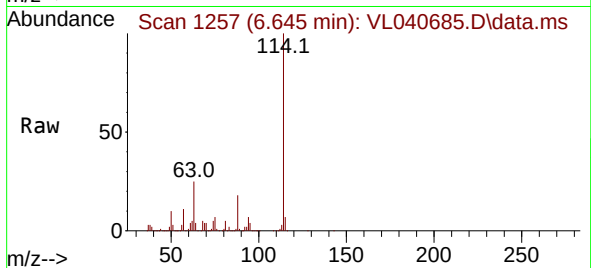
88 17.9 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#34

2-Butanone

Concen: 1.082 ppbv m

RT: 4.780 min Scan# 677

Delta R.T. 0.003 min

Lab File: VL040685.D

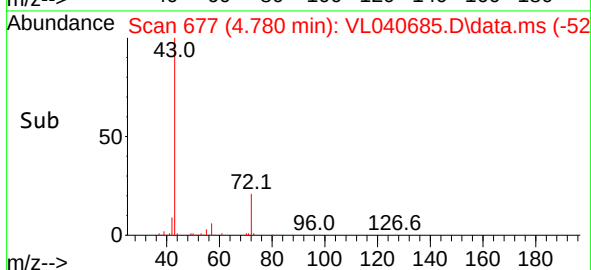
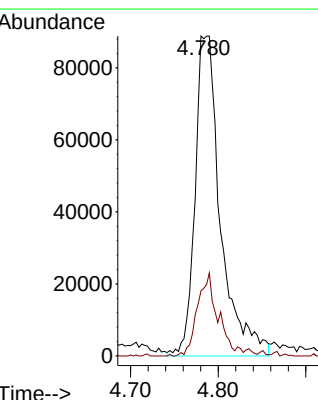
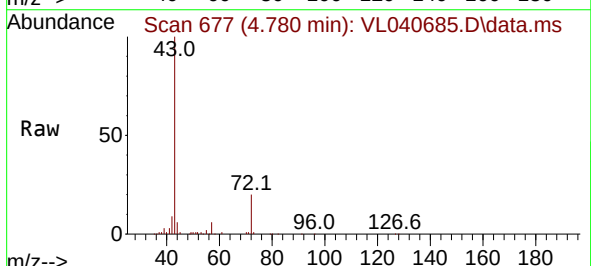
Acq: 14 Sep 2023 15:06

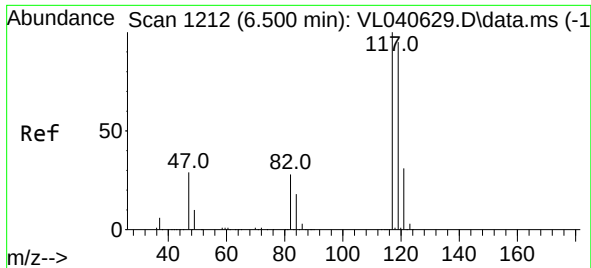
Tgt Ion: 43 Resp: 179529

Ion Ratio Lower Upper

43 100

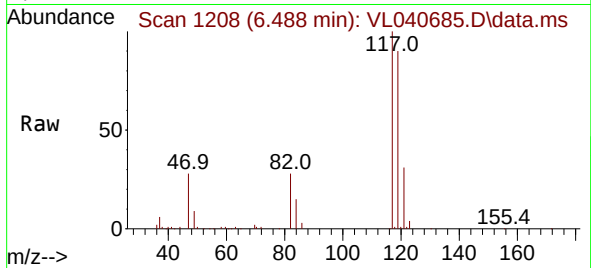
72 0.0 18.6 27.8#





#35
Carbon Tetrachloride
Concen: 1.114 ppbv
RT: 6.488 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

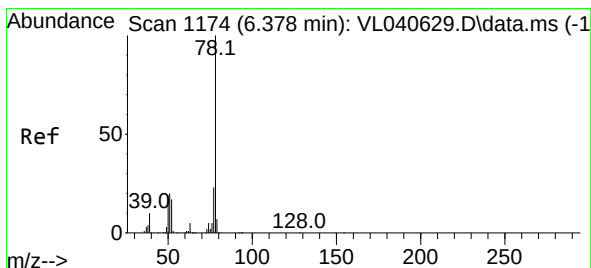
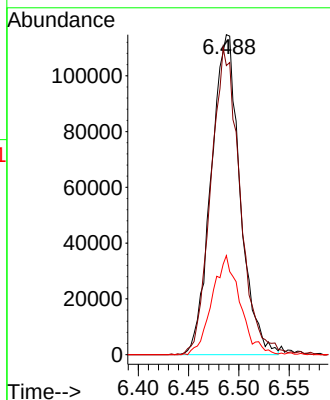
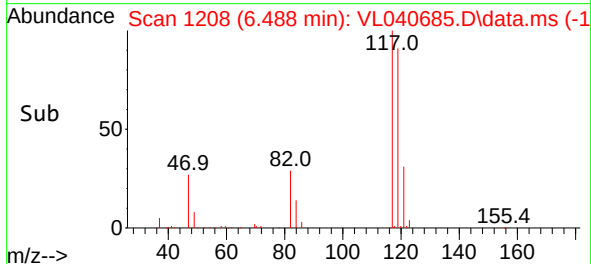
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 22923
Ion Ratio Lower Upper
117 100
119 90.1 78.6 117.8
121 30.9 24.7 37.1

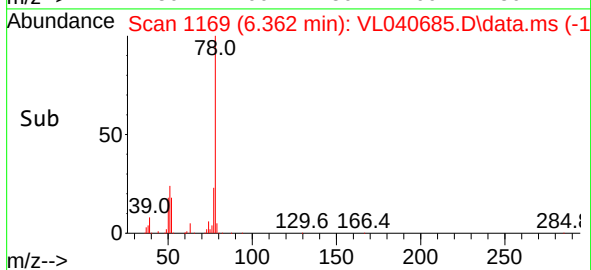
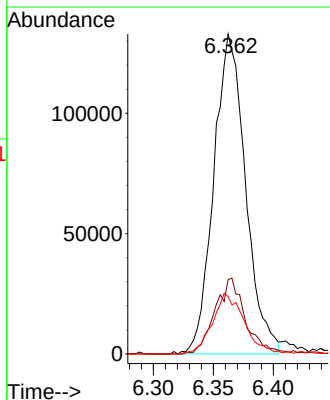
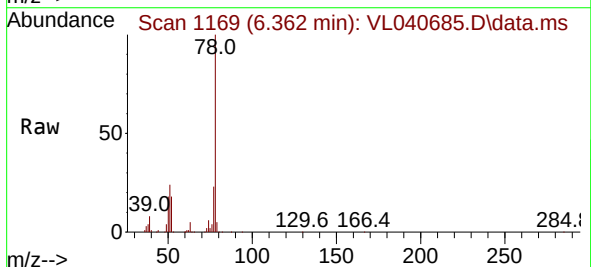
Manual Integrations
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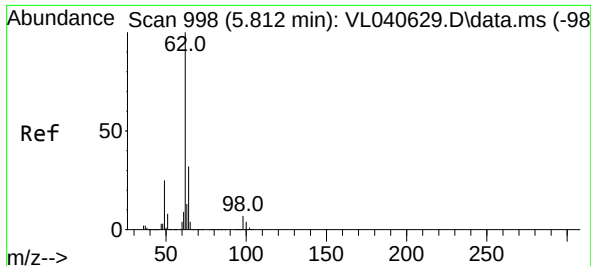
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#36
Benzene
Concen: 0.938 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 78 Resp: 245324
Ion Ratio Lower Upper
78 100
77 23.3 17.9 26.9
50 17.9 17.3 25.9





#37

1,2-Dichloroethane

Concen: 1.088 ppbv m

RT: 5.796 min Scan# 998

Delta R.T. -0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion: 62 Resp: 171618

Ion Ratio Lower Upper

62 100

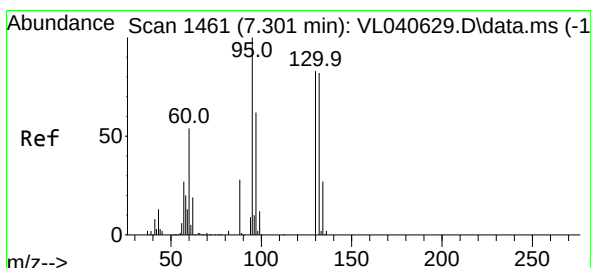
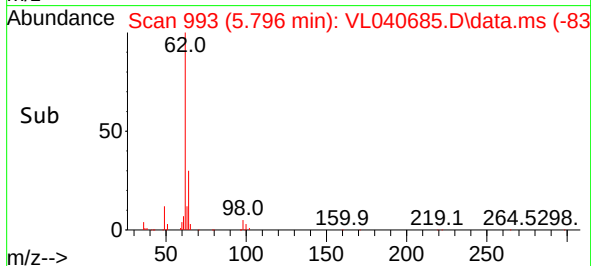
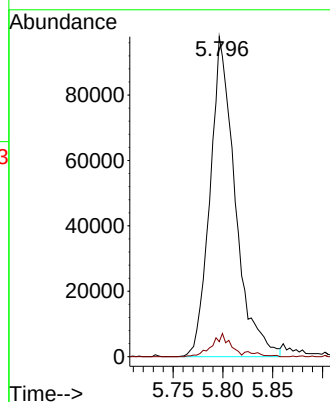
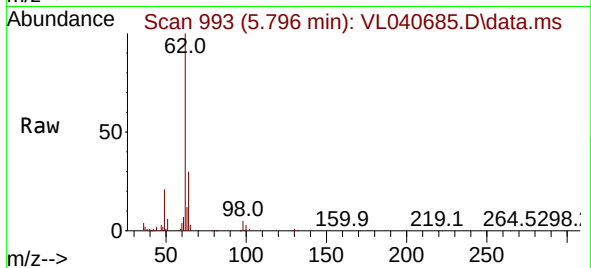
98 6.2 4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#38

Trichloroethene

Concen: 0.966 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Tgt Ion:130 Resp: 97874

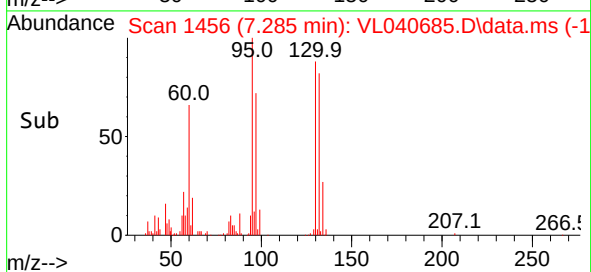
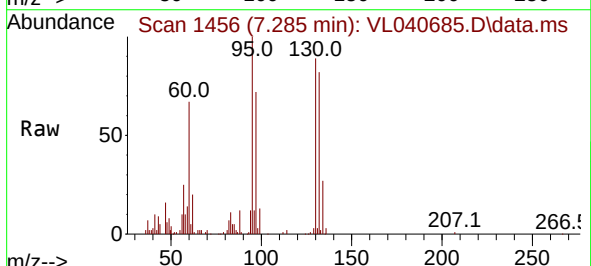
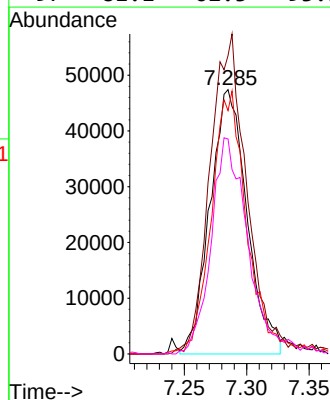
Ion Ratio Lower Upper

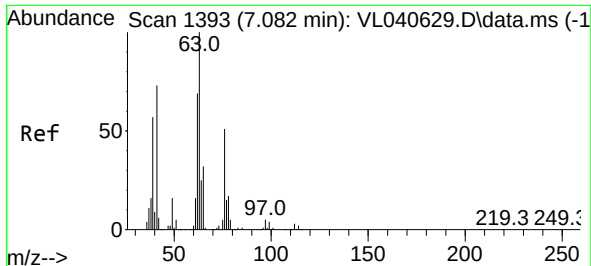
130 100

95 111.3 91.9 137.9

132 91.3 77.3 115.9

97 81.1 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.955 ppbv

RT: 7.066 min Scan# 1388

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

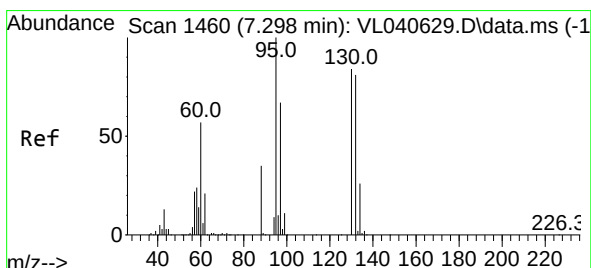
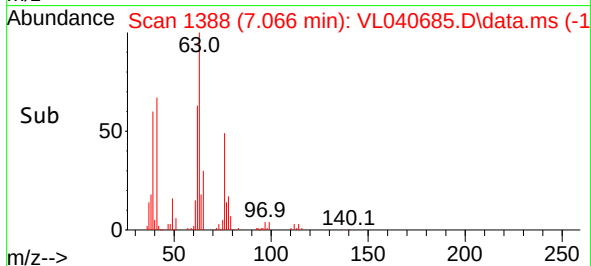
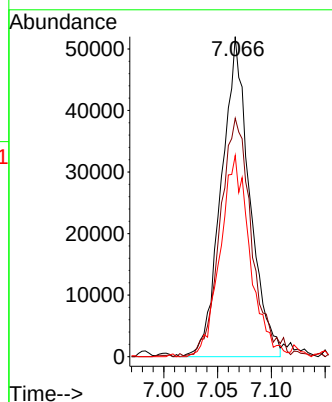
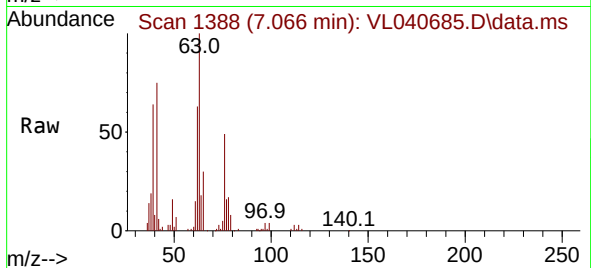
VSTDIC001

Tgt Ion: 63	Resp: 9510
Ion Ratio	Lower Upper
63 100	
41 73.6	61.6 92.4
62 62.8	55.8 83.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#40

1,4-Dioxane

Concen: 1.008 ppbv m

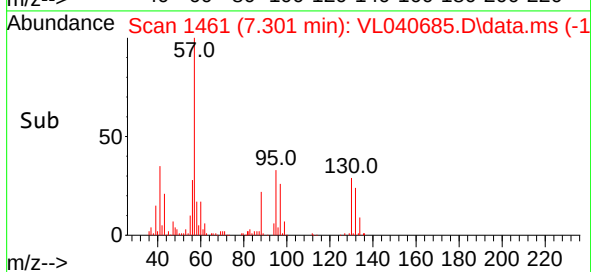
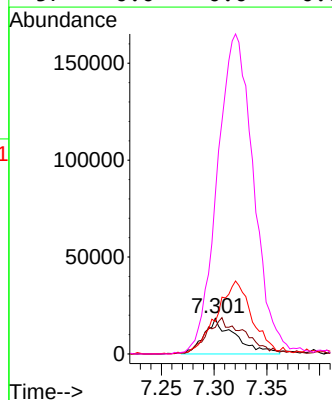
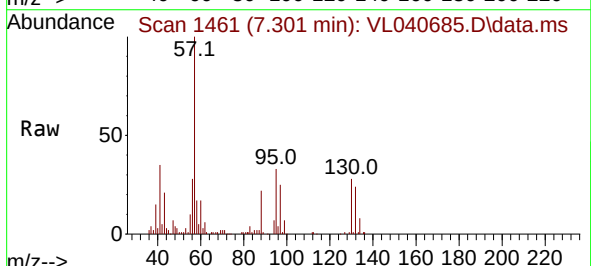
RT: 7.301 min Scan# 1461

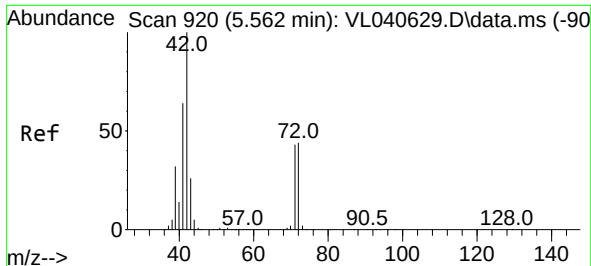
Delta R.T. 0.023 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Tgt	Ion: 88	Resp:	38014
Ion	Ratio	Lower	Upper
88	100		
58	0.0	92.7	139.1#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





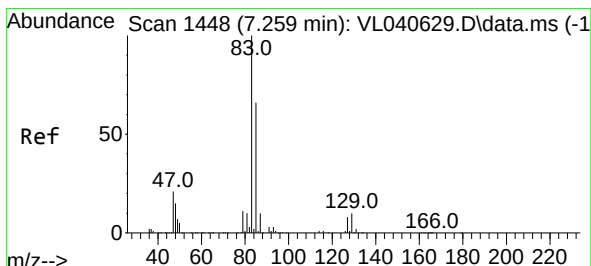
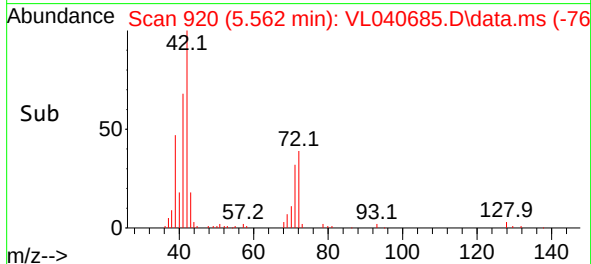
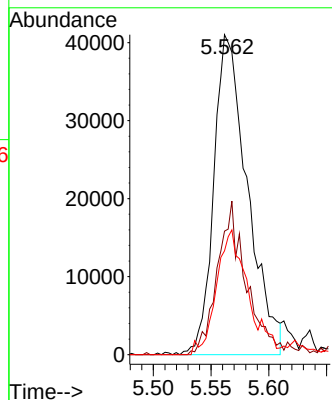
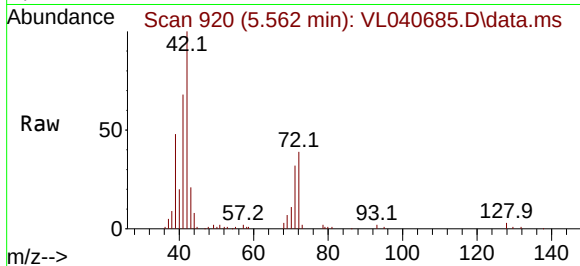
#41
Tetrahydrofuran
Concen: 0.885 ppbv
RT: 5.562 min Scan# 91
Delta R.T. 0.013 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 42 Resp: 8298
Ion Ratio Lower Upper
42 100
72 42.2 34.9 52.3
71 39.2 33.8 50.8

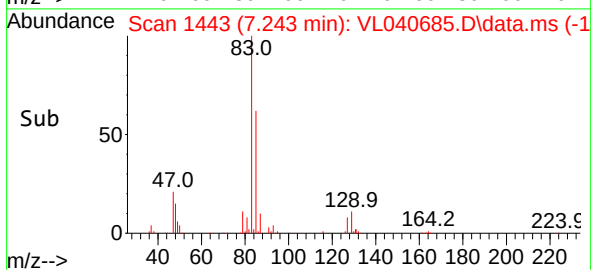
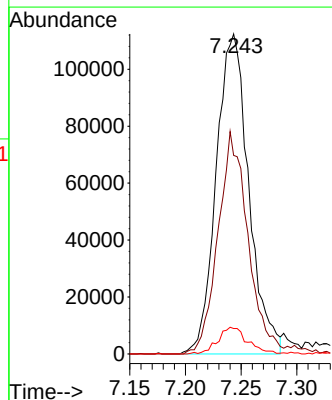
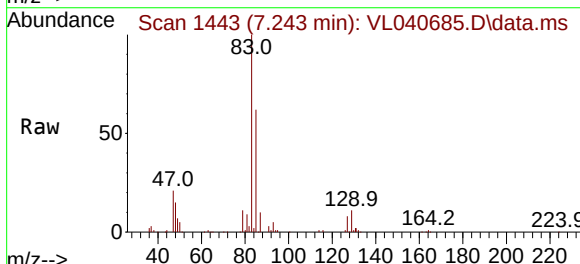
Manual Integrations
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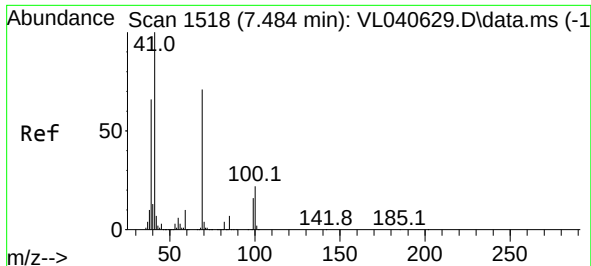
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#42
Bromodichloromethane
Concen: 1.039 ppbv
RT: 7.243 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

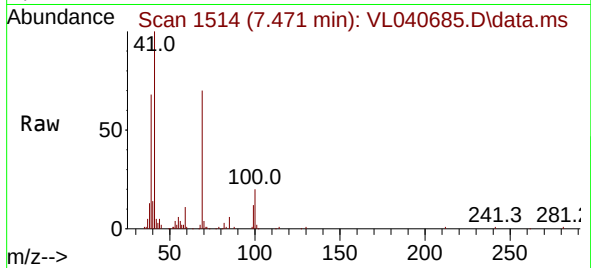
Tgt Ion: 83 Resp: 228240
Ion Ratio Lower Upper
83 100
85 62.1 51.2 76.8
127 8.0 6.2 9.4





#43
Methyl Methacrylate
Concen: 0.864 ppbv
RT: 7.471 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

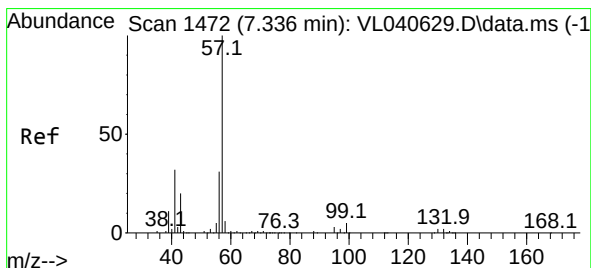
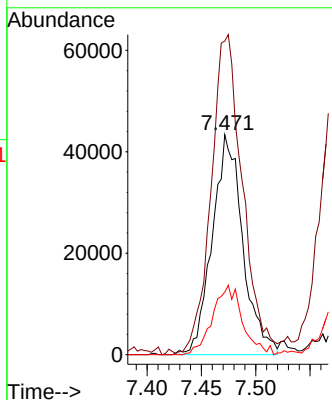
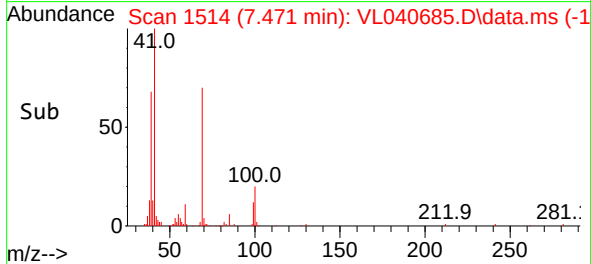
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 69 Resp: 84652
Ion Ratio Lower Upper
69 100
41 150.8 113.8 170.8
100 30.9 25.4 38.0

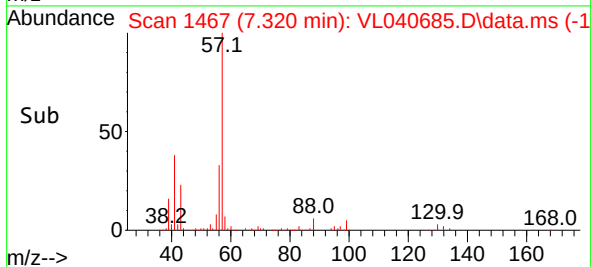
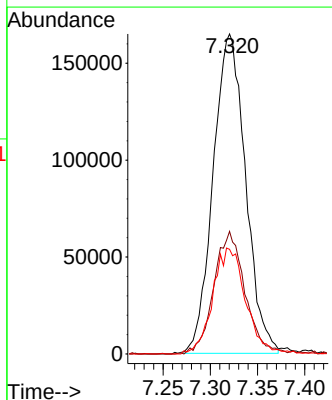
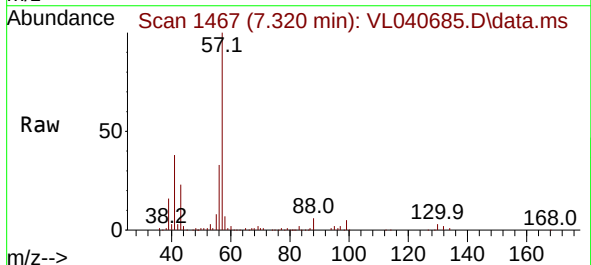
Manual Integrations
APPROVED

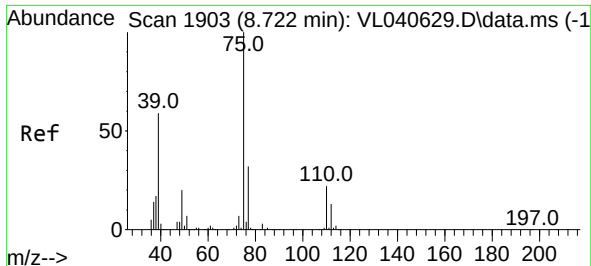
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#44
2,2,4-Trimethylpentane
Concen: 0.928 ppbv
RT: 7.320 min Scan# 1467
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 57 Resp: 392304
Ion Ratio Lower Upper
57 100
41 37.3 28.5 42.7
56 33.9 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 0.755 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 5909

Ion Ratio Lower Upper

75 100

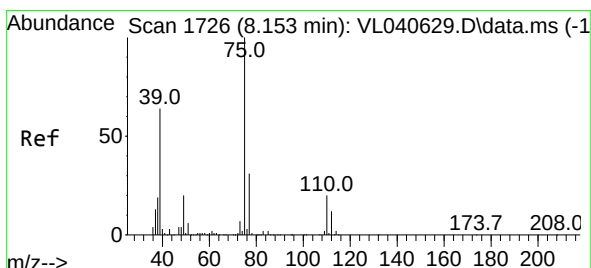
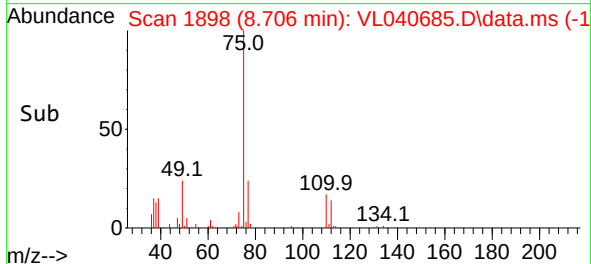
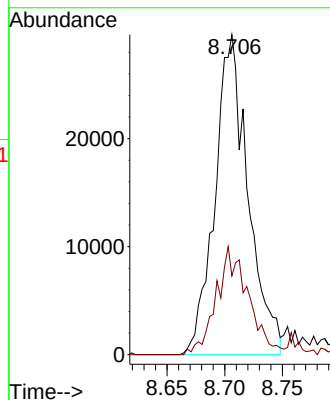
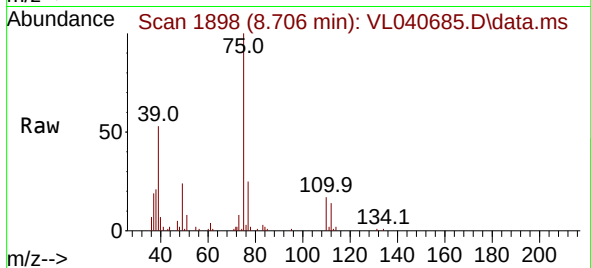
77 24.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#46

cis-1,3-Dichloropropene

Concen: 0.787 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

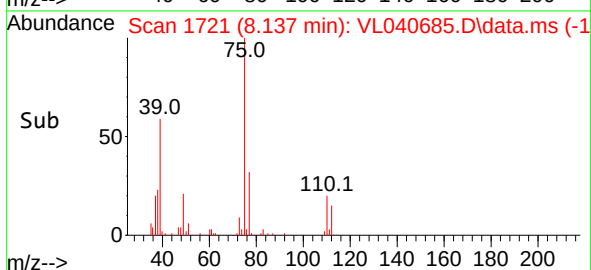
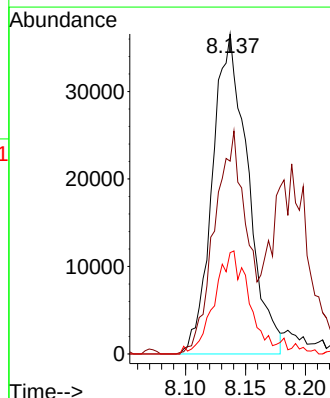
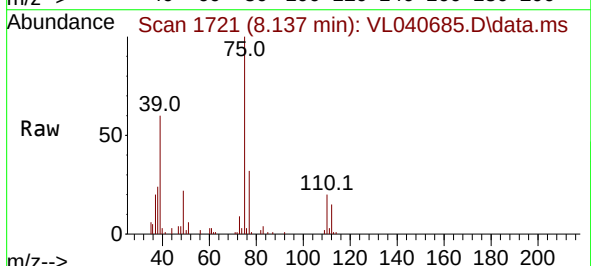
Tgt Ion: 75 Resp: 75145

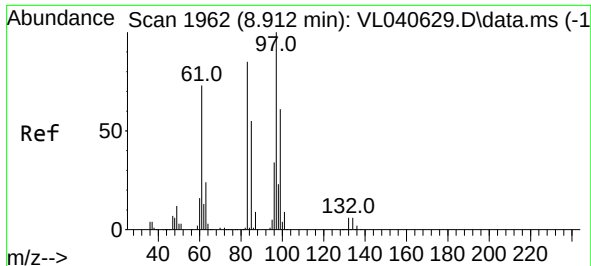
Ion Ratio Lower Upper

75 100

39 59.8 54.0 81.0

77 30.9 23.6 35.4





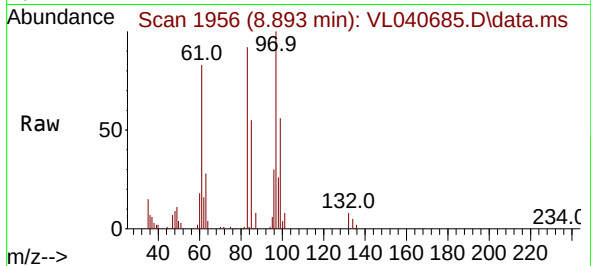
#47
1,1,2-Trichloroethane
Concen: 0.942 ppbv
RT: 8.893 min Scan# 1956
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

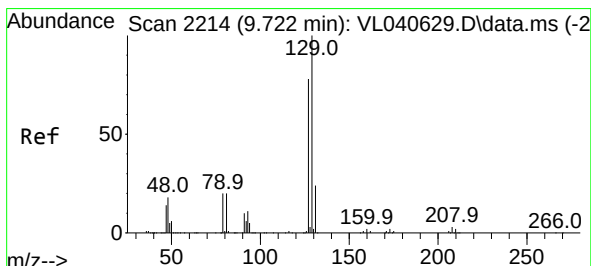
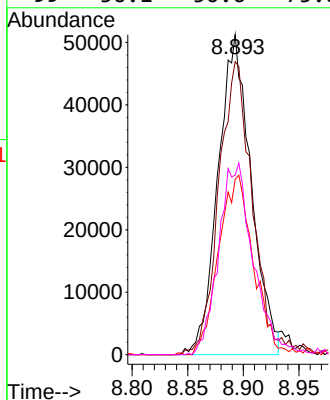
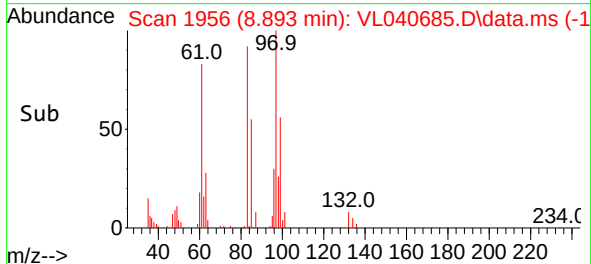


Tgt Ion: 97 Resp: 105969
Ion Ratio Lower Upper
97 100
83 91.6 70.8 106.2
85 54.2 45.7 68.5
99 56.1 50.6 75.8

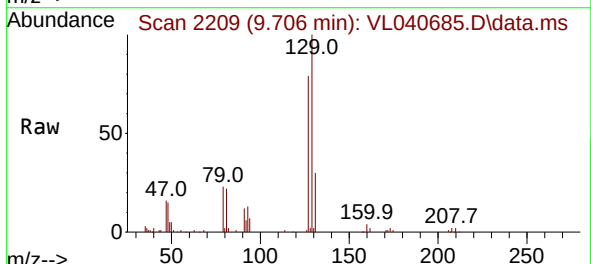
Manual Integrations

APPROVED

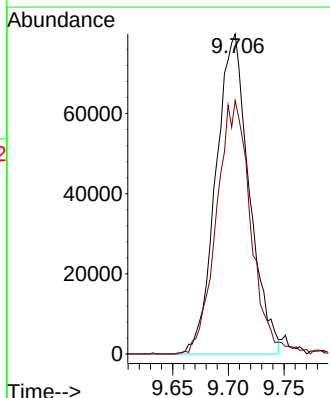
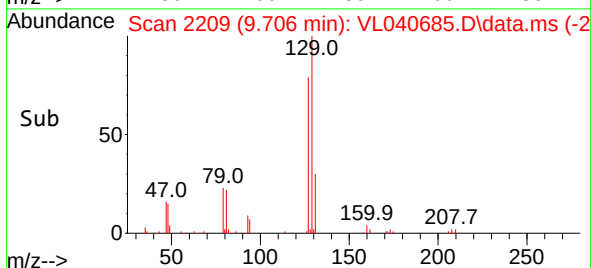
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

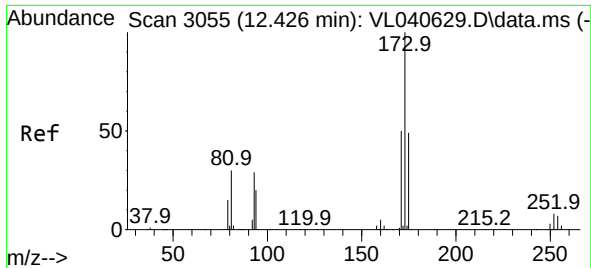


#48
Dibromochloromethane
Concen: 0.943 ppbv
RT: 9.706 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



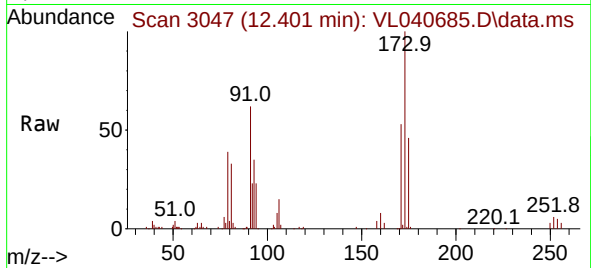
Tgt Ion:129 Resp: 166029
Ion Ratio Lower Upper
129 100
127 82.0 39.4 118.2





#49
Bromoform
Concen: 0.888 ppbv
RT: 12.401 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

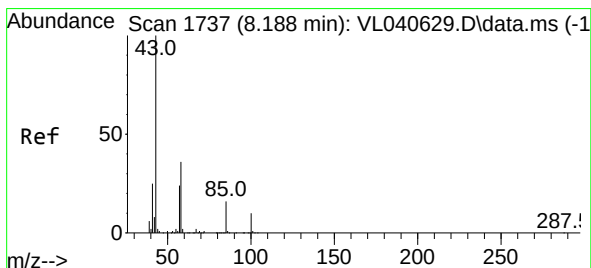
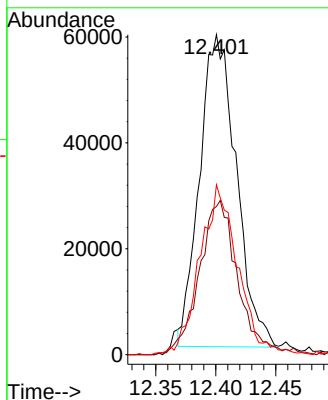
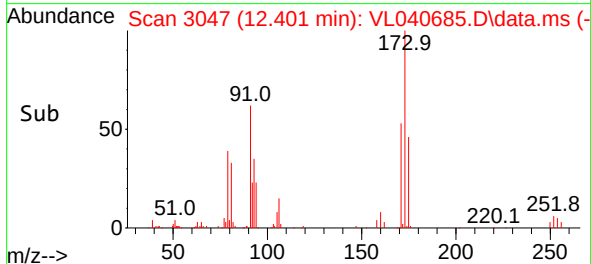
Instrument : MSVOA_L
ClientSampleId : VSTDIC001



Tgt Ion: 173 Resp: 125224
Ion Ratio Lower Upper
173 100
175 52.2 38.8 58.2
171 56.3 42.2 63.2

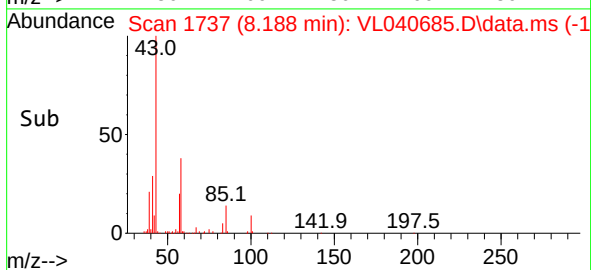
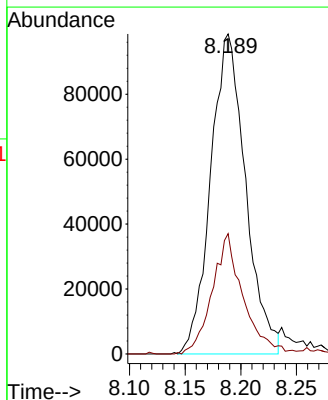
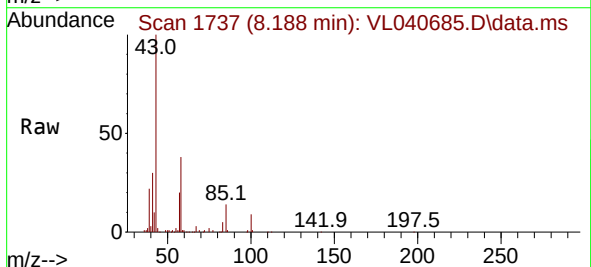
Manual Integrations
APPROVED

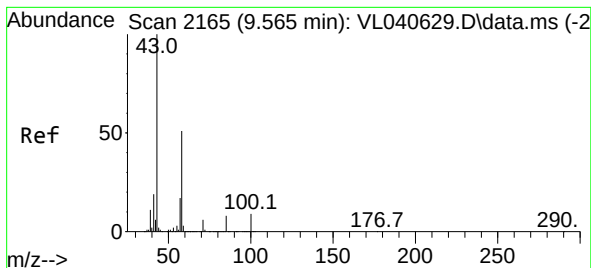
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#50
4-Methyl-2-Pentanone
Concen: 0.886 ppbv
RT: 8.188 min Scan# 1737
Delta R.T. 0.016 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

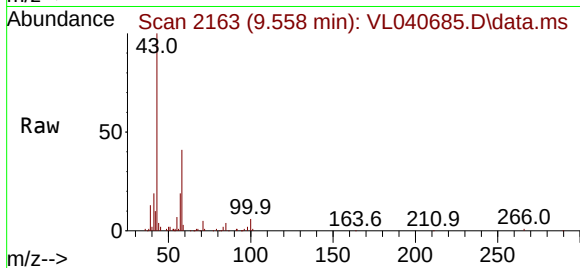
Tgt Ion: 43 Resp: 214764
Ion Ratio Lower Upper
43 100
58 33.4 28.2 42.4





#51
2-Hexanone
Concen: 0.813 ppbv m
RT: 9.558 min Scan# 2165
Delta R.T. 0.013 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

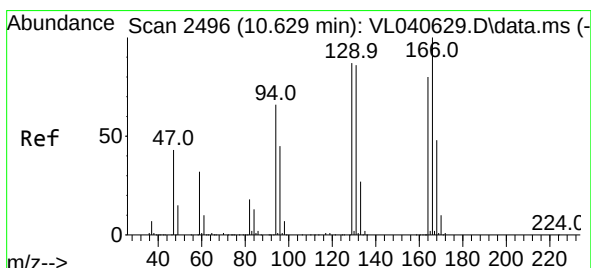
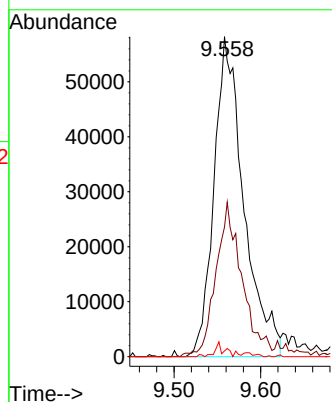
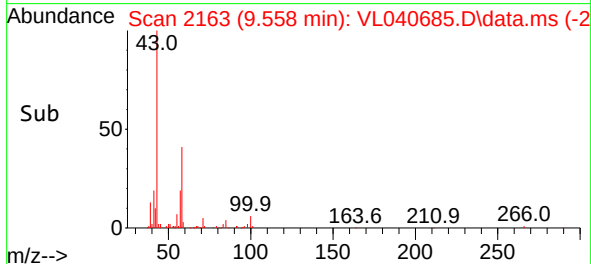
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion: 43 Resp: 13879
Ion Ratio Lower Upper
43 100
58 45.9 37.6 56.4
98 2.2 0.6 1.0

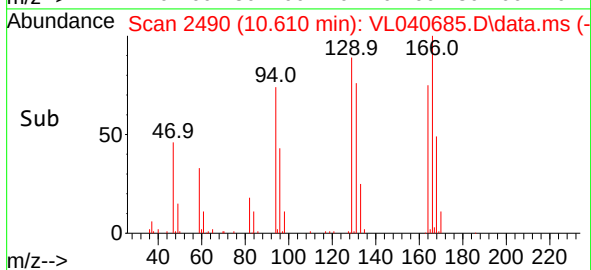
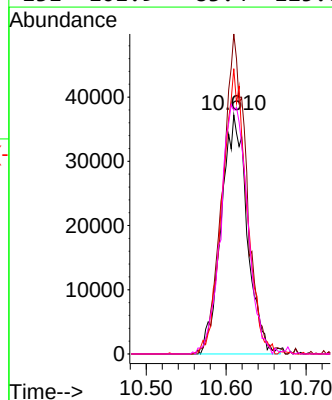
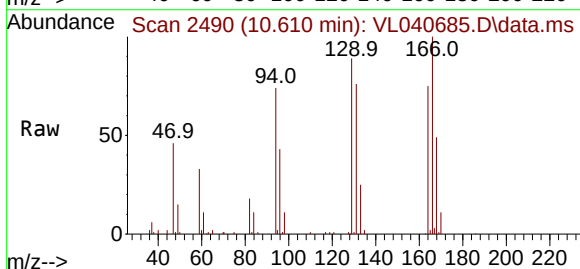
Manual Integrations
APPROVED

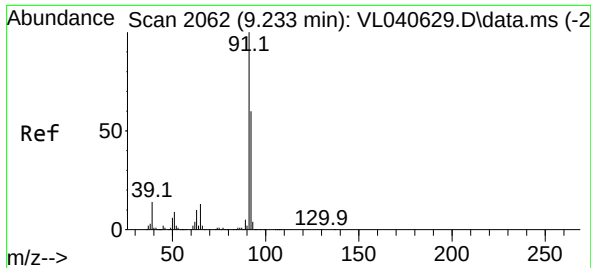
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#52
Tetrachloroethene
Concen: 1.025 ppbv m
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:164 Resp: 83962
Ion Ratio Lower Upper
164 100
166 133.8 103.4 155.2
129 119.3 83.5 125.3
131 101.9 83.4 125.0





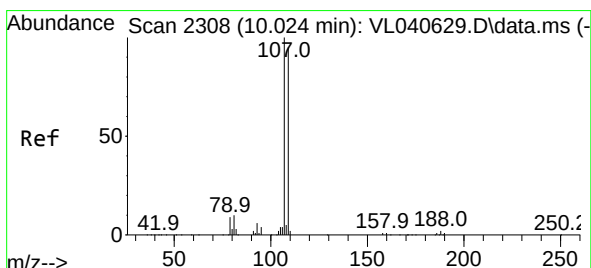
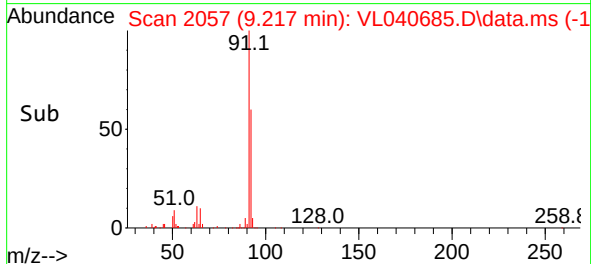
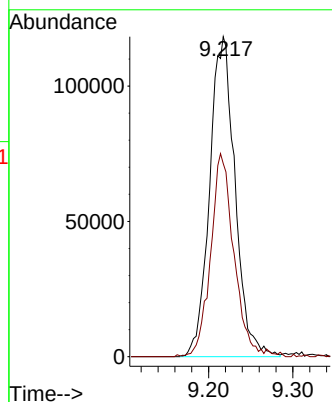
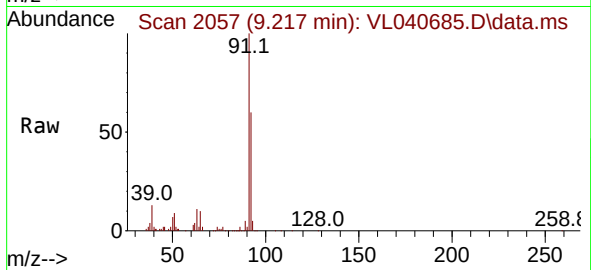
#53
Toluene
Concen: 0.890 ppbv
RT: 9.217 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 24741
Ion Ratio Lower Upper
91 100
92 58.6 48.5 72.7

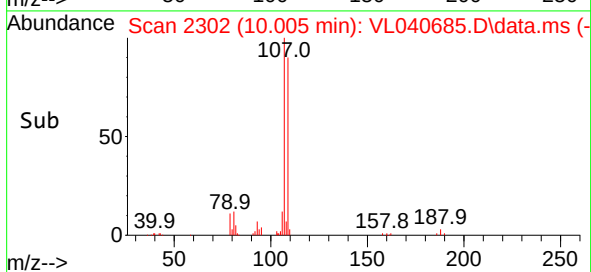
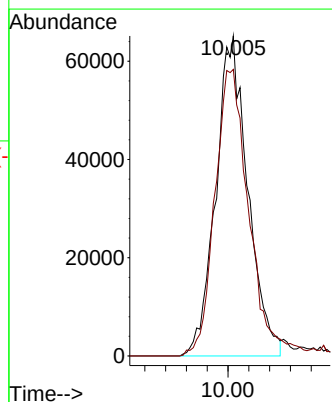
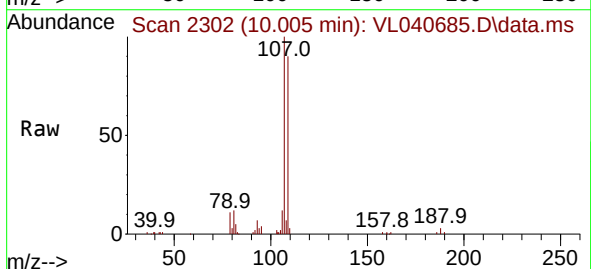
Manual Integrations
APPROVED

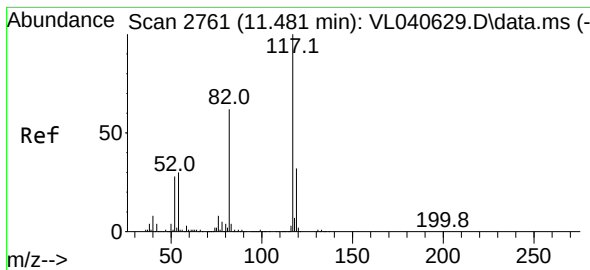
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#54
1,2-Dibromoethane
Concen: 0.974 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

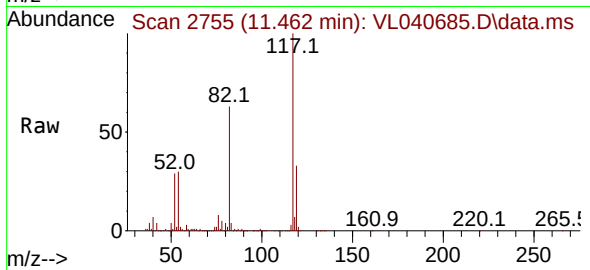
Tgt Ion:107 Resp: 139490
Ion Ratio Lower Upper
107 100
109 89.6 72.4 108.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

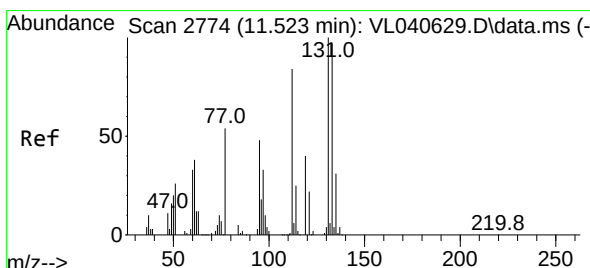
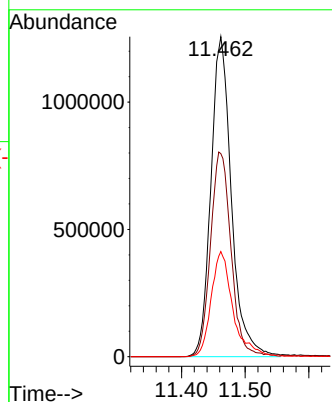
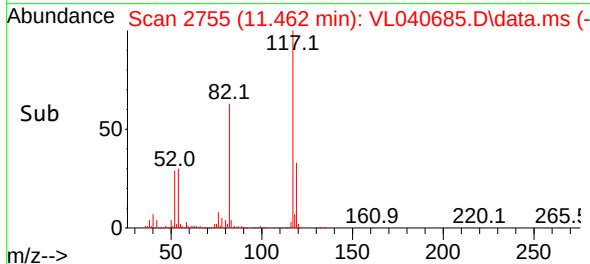
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:117 Resp: 281142
Ion Ratio Lower Upper
117 100
82 64.4 51.4 77.0
119 35.0 24.7 37.1

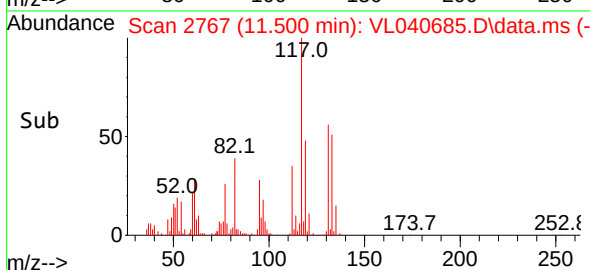
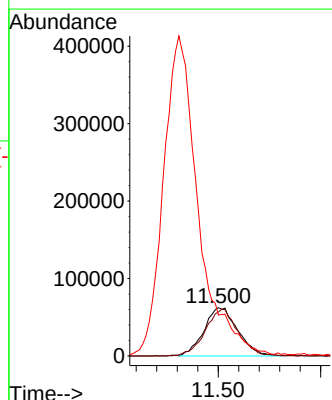
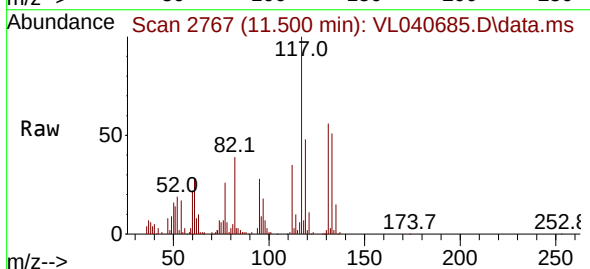
Manual Integrations
APPROVED

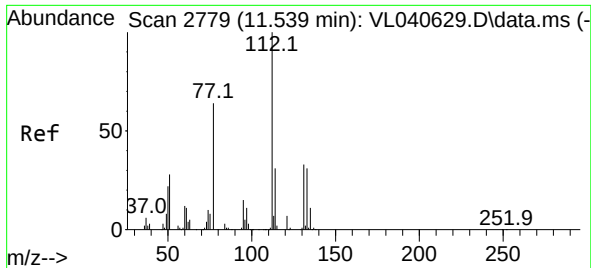
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#56
1,1,1,2-Tetrachloroethane
Concen: 1.095 ppbv m
RT: 11.500 min Scan# 2767
Delta R.T. -0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

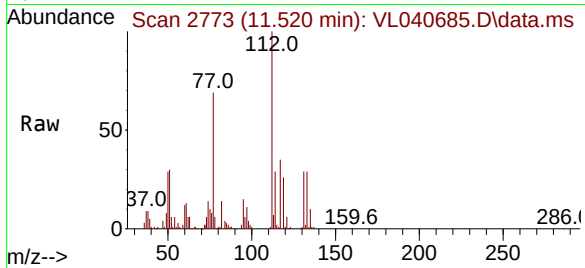
Tgt Ion:131 Resp: 142422
Ion Ratio Lower Upper
131 100
133 0.0 76.2 114.2#
119 0.0 45.5 68.3#





#57
Chlorobenzene
Concen: 1.040 ppbv
RT: 11.520 min Scan# 2112
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

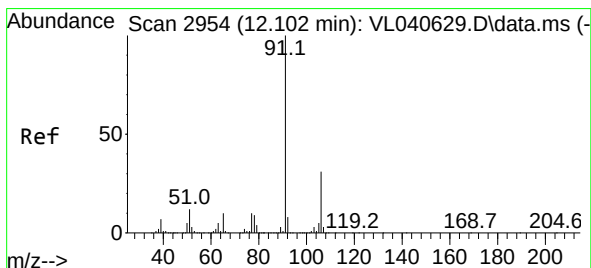
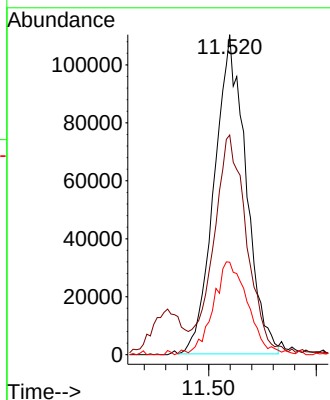
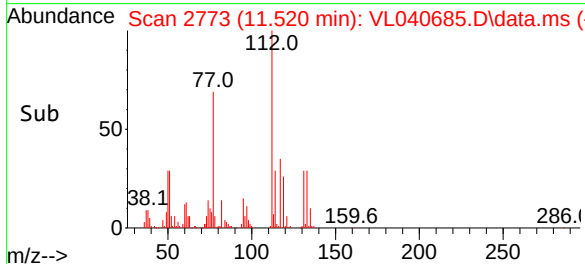
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:112 Resp: 22558
Ion Ratio Lower Upper
112 100
77 66.1 50.8 76.2
114 28.5 28.2 34.4

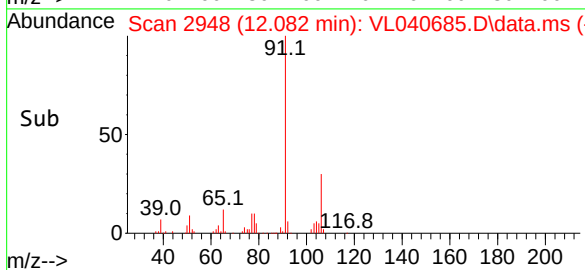
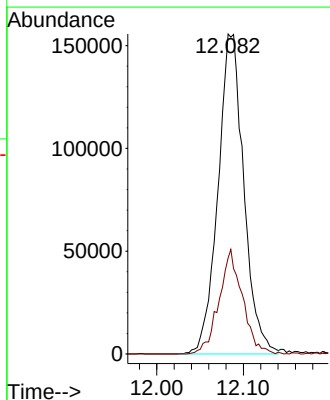
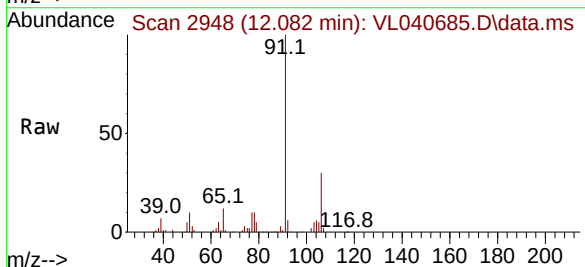
Manual Integrations
APPROVED

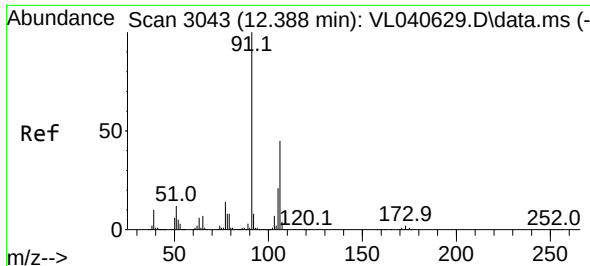
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#58
Ethyl Benzene
Concen: 0.951 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 91 Resp: 322318
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1





#59

m/p-Xylene

Concen: 1.994 ppbv m

RT: 12.368 min Scan# 3043

Delta R.T. 0.000 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 61653

Ion Ratio Lower Upper

91 100

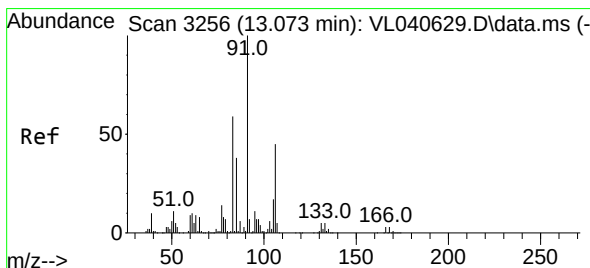
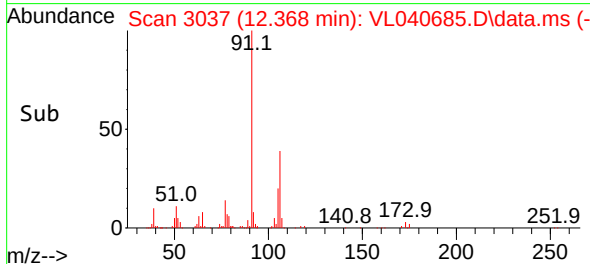
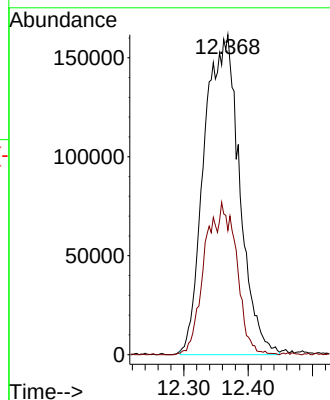
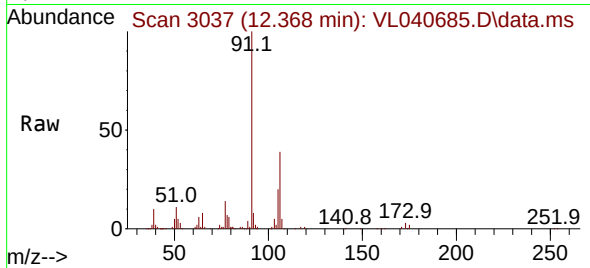
106 42.8 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#60

o-Xylene

Concen: 0.991 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL040685.D

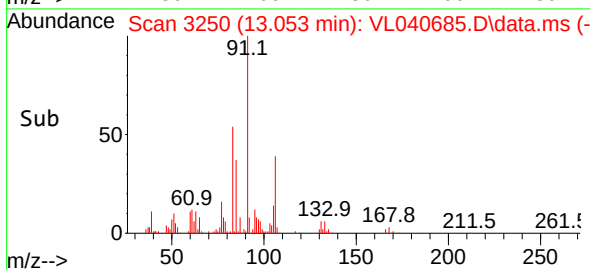
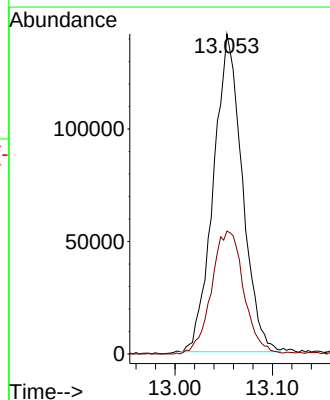
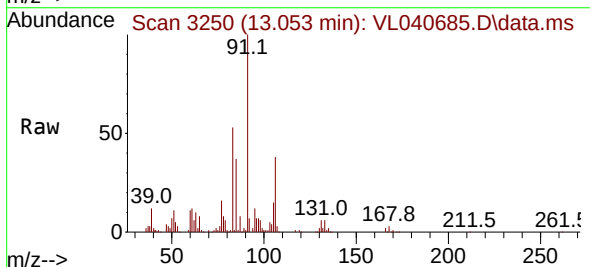
Acq: 14 Sep 2023 15:06

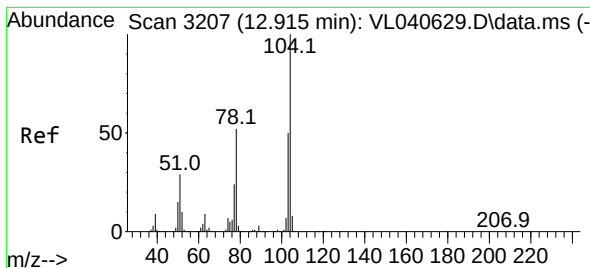
Tgt Ion: 91 Resp: 290384

Ion Ratio Lower Upper

91 100

106 43.5 22.3 66.9





#61

Styrene

Concen: 0.835 ppbv m

RT: 12.892 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

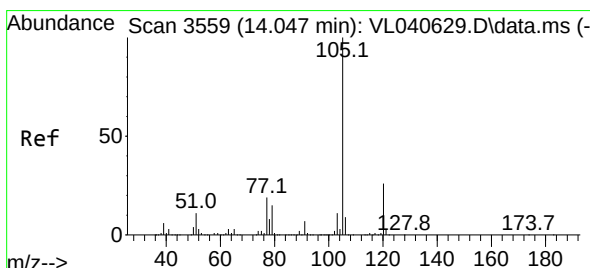
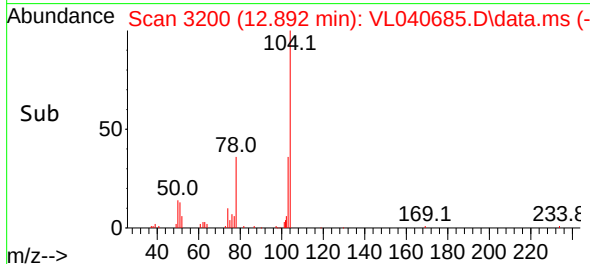
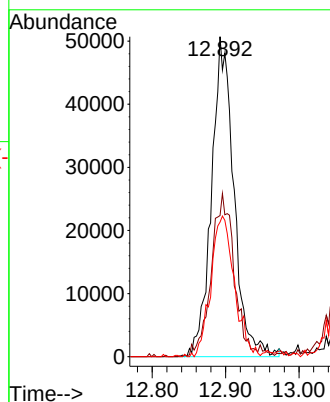
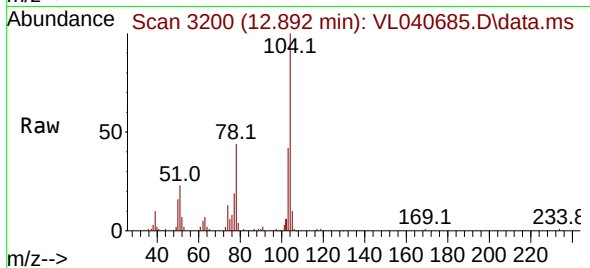
VSTDIC001

Tgt Ion:104 Resp: 107302
 Ion Ratio Lower Upper
 104 100
 78 53.2 43.4 65.0
 103 46.1 37.2 55.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023



#62

Isopropylbenzene

Concen: 1.022 ppbv

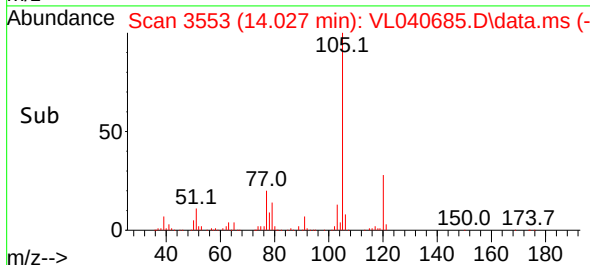
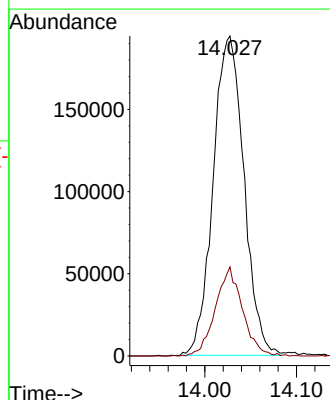
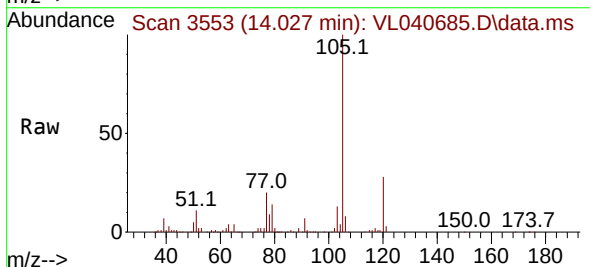
RT: 14.027 min Scan# 3553

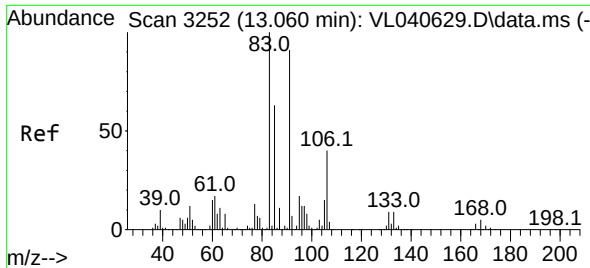
Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

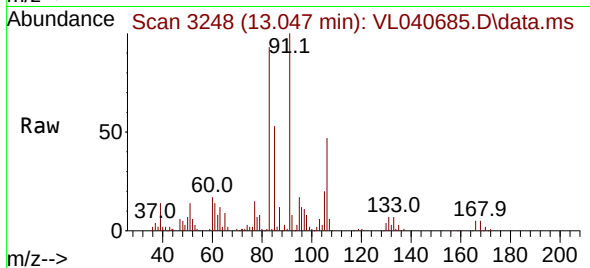
Tgt Ion:105 Resp: 453295
 Ion Ratio Lower Upper
 105 100
 120 24.5 20.2 30.4





#63
1,1,2,2-Tetrachloroethane
Concen: 1.071 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

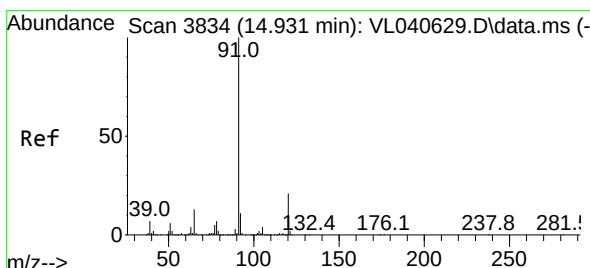
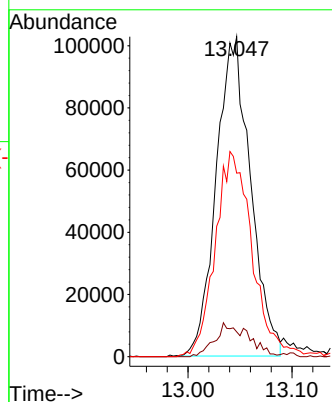
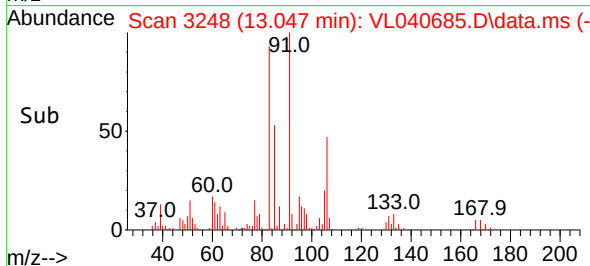
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



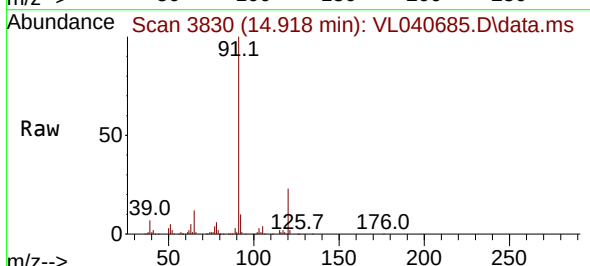
Tgt Ion: 83 Resp: 23502
Ion Ratio Lower Upper
83 100
131 10.7 4.7 14.1
85 70.1 33.1 99.3

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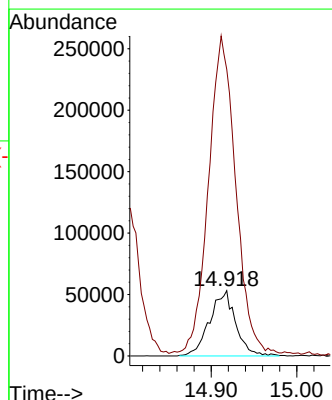
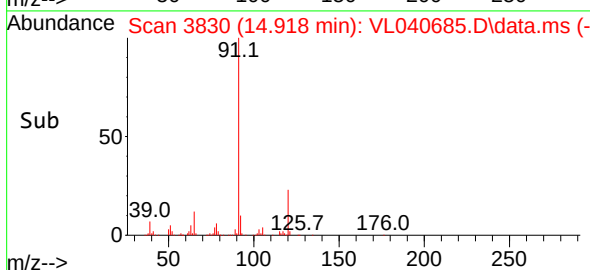
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

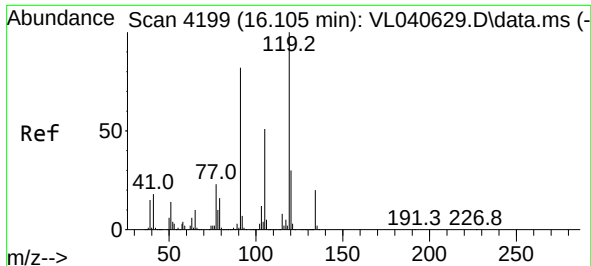


#64
n-propylbenzene
Concen: 0.998 ppbv m
RT: 14.918 min Scan# 3830
Delta R.T. 0.007 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



Tgt Ion:120 Resp: 111883
Ion Ratio Lower Upper
120 100
91 521.3 386.9 580.3





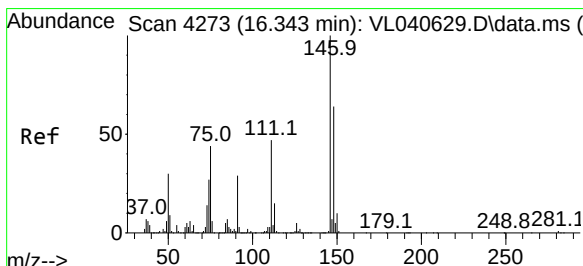
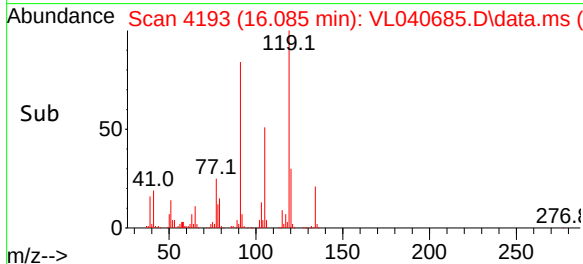
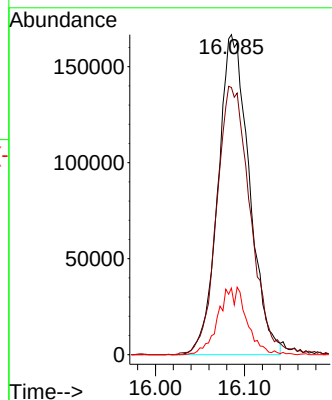
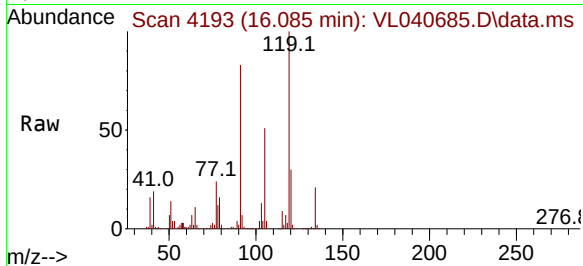
#65
tert-Butylbenzene
Concen: 1.057 ppbv
RT: 16.085 min Scan# 4199
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 40627
Ion Ratio Lower Upper
119 100
91 91.0 69.8 104.8
134 19.5 15.4 23.2

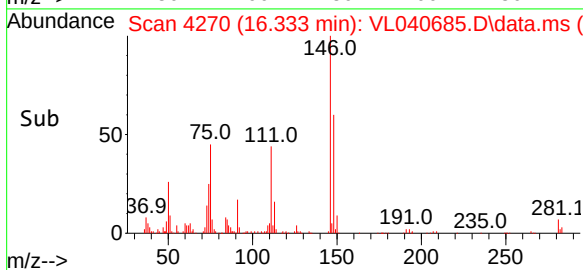
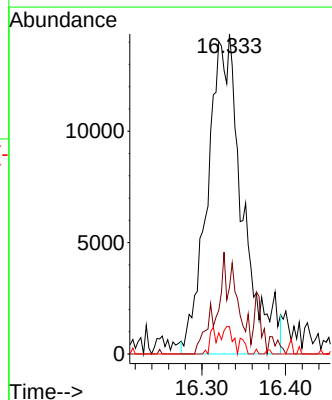
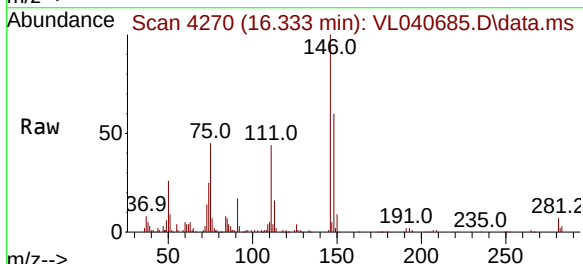
Manual Integrations
APPROVED

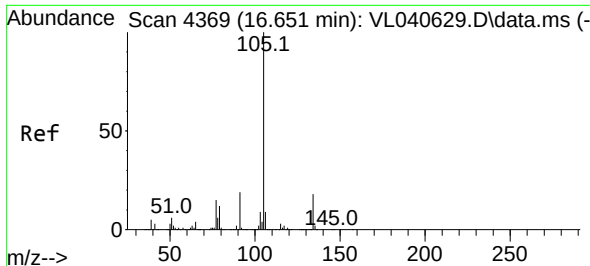
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#66
Benzyl Chloride
Concen: 0.863 ppbv m
RT: 16.333 min Scan# 4270
Delta R.T. 0.010 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

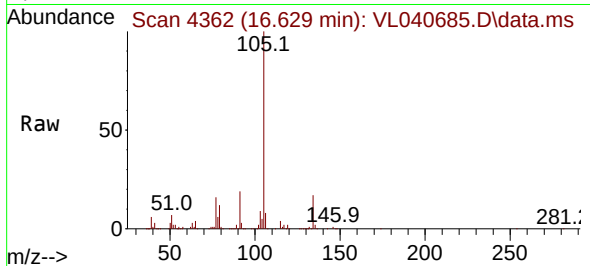
Tgt Ion: 91 Resp: 41702
Ion Ratio Lower Upper
91 100
126 23.7 13.6 20.4#
128 5.4 4.4 6.6





#67
 sec-Butylbenzene
 Concen: 1.056 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06

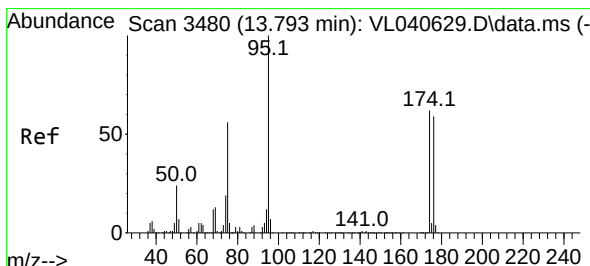
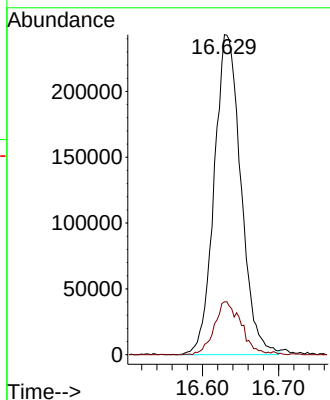
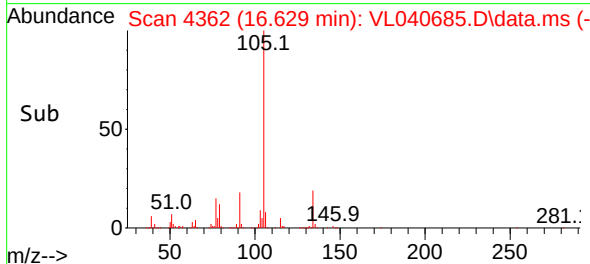
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



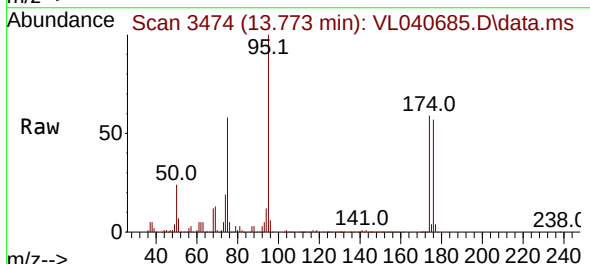
Tgt Ion:105 Resp: 592434
 Ion Ratio Lower Upper
 105 100
 134 16.9 14.1 21.1

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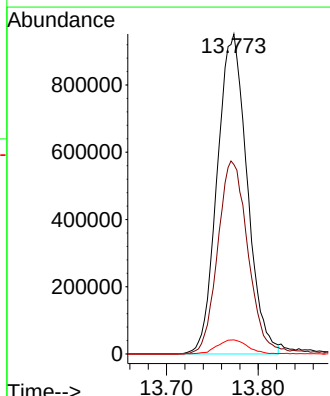
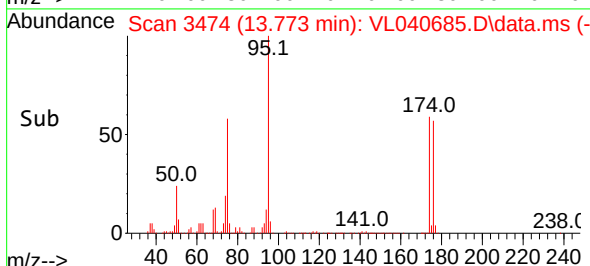
Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

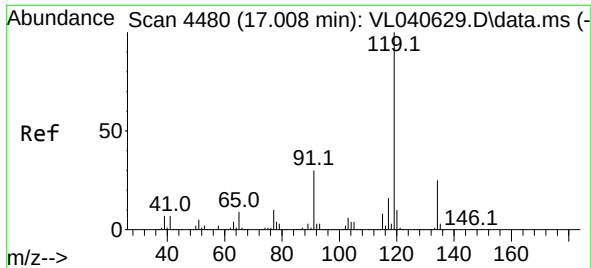


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.635 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. 0.003 min
 Lab File: VL040685.D
 Acq: 14 Sep 2023 15:06



Tgt Ion: 95 Resp: 2154406
 Ion Ratio Lower Upper
 95 100
 174 62.4 48.9 73.3
 175 4.6 3.5 5.3





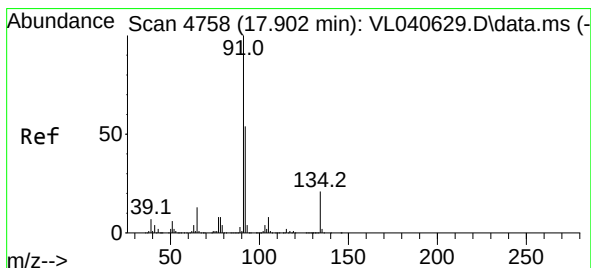
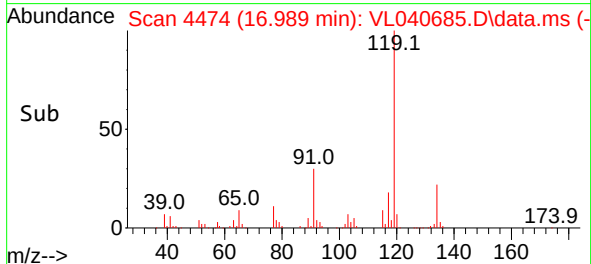
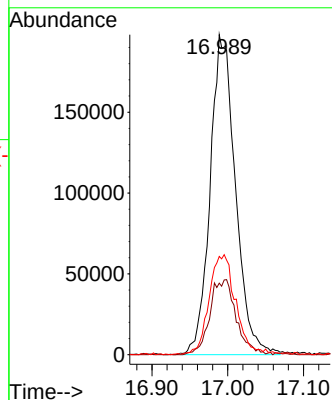
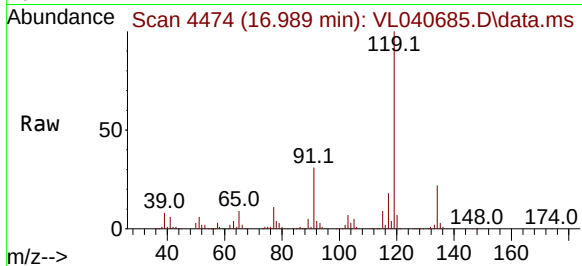
#69
p-Isopropyltoluene
Concen: 1.046 ppbv m
RT: 16.989 min Scan# 4480
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:119 Resp: 459000
Ion Ratio Lower Upper
119 100
134 24.7 20.2 30.2
91 33.6 25.0 37.6

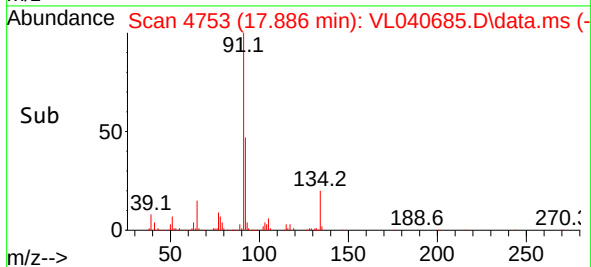
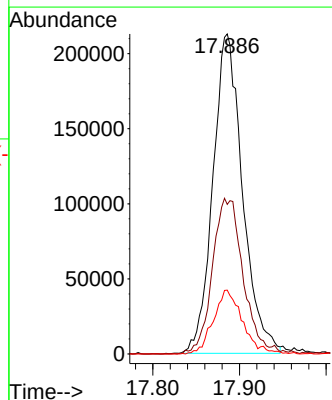
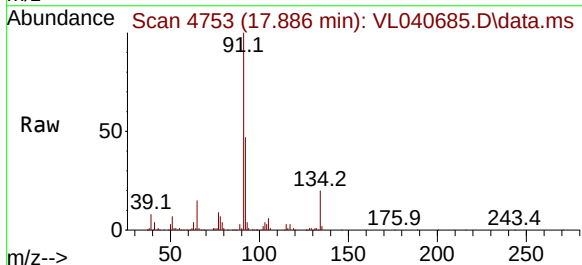
Manual Integrations
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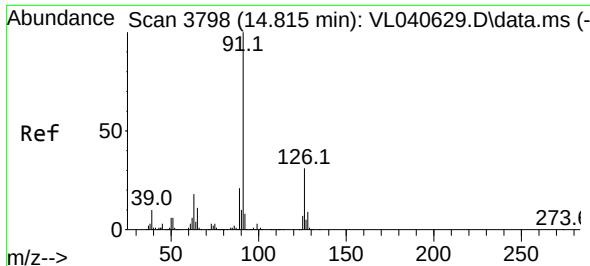
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#70
n-Butylbenzene
Concen: 1.055 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion: 91 Resp: 505656
Ion Ratio Lower Upper
91 100
92 51.2 42.7 64.1
134 19.8 17.0 25.4





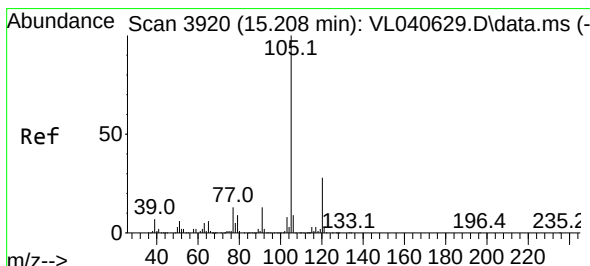
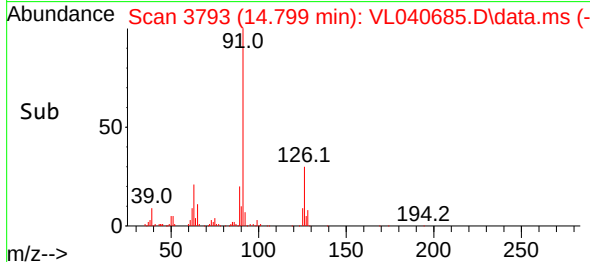
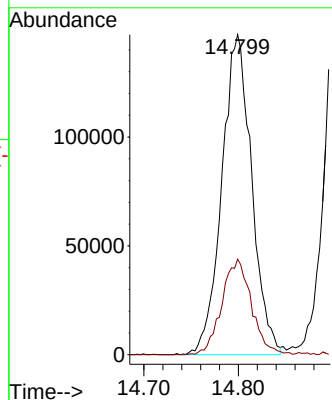
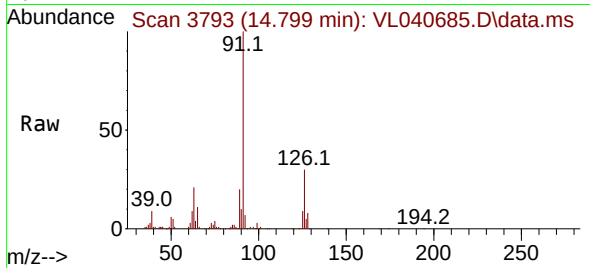
#71
2-Chlorotoluene
Concen: 0.978 ppbv
RT: 14.799 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 322054
Ion Ratio Lower Upper
91 100
126 30.0 12.0 47.8

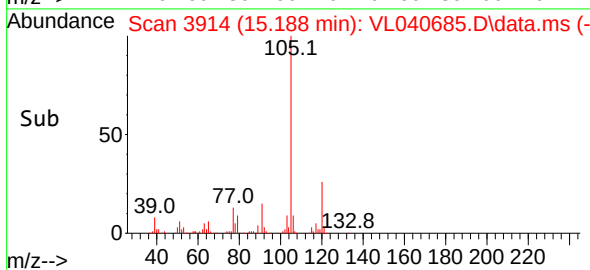
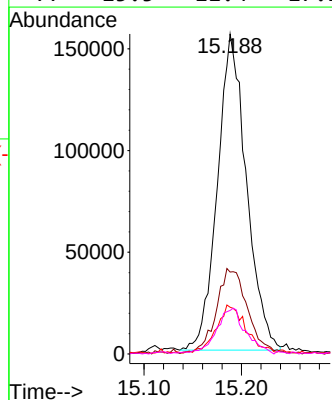
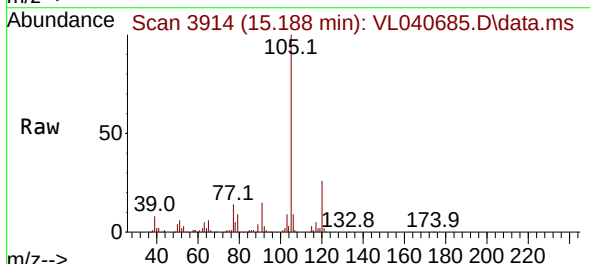
Manual Integrations
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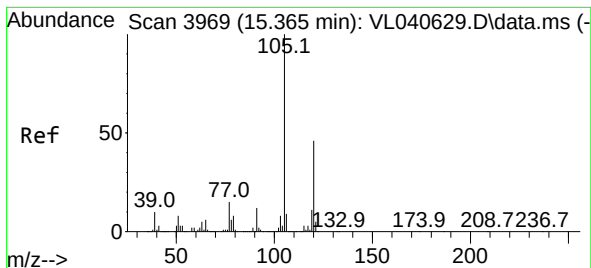
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#72
4-Ethyltoluene
Concen: 0.970 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:105 Resp: 321074
Ion Ratio Lower Upper
105 100
120 29.1 23.9 35.9
91 16.7 11.0 16.4#
77 15.5 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 0.999 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

Tgt Ion:105 Resp: 29536

Ion Ratio Lower Upper

105 100

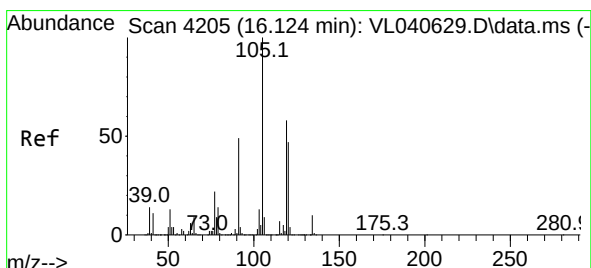
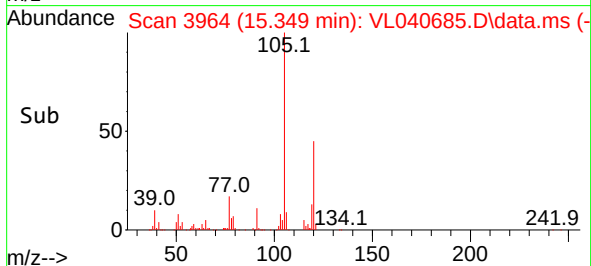
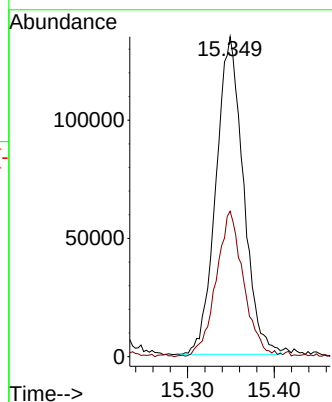
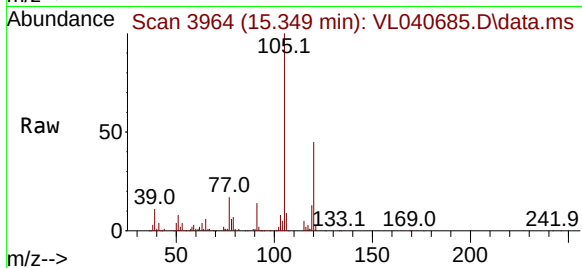
120 45.5 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023



#74

1,2,4-Trimethylbenzene

Concen: 1.094 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.003 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Tgt Ion:105 Resp: 377775

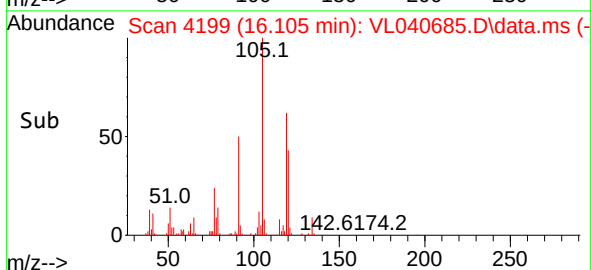
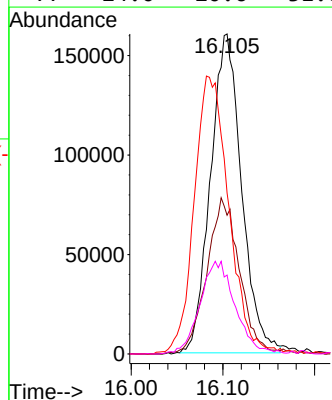
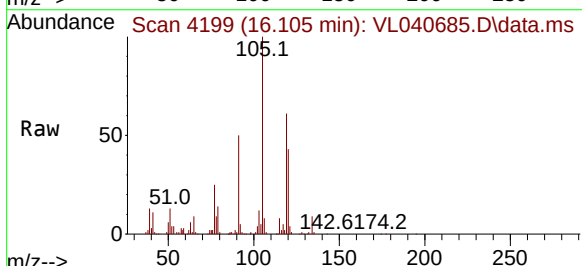
Ion Ratio Lower Upper

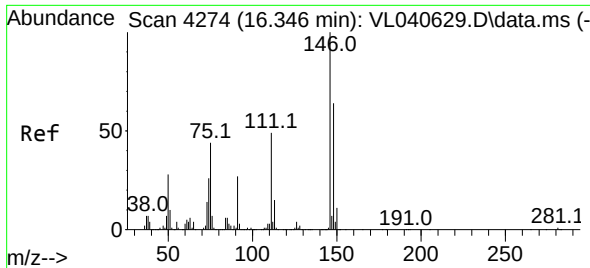
105 100

120 42.3 38.6 57.8

91 48.7 50.0 75.0#

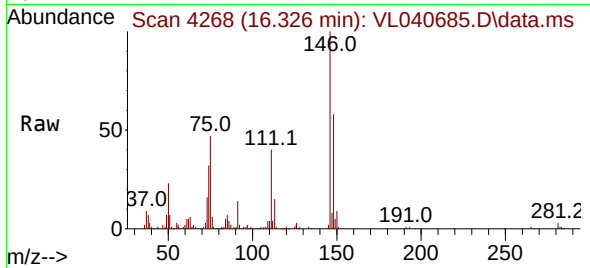
77 24.0 20.6 31.0





#75
1,3-Dichlorobenzene
Concen: 1.067 ppbv
RT: 16.326 min Scan# 4311
Delta R.T. 0.000 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

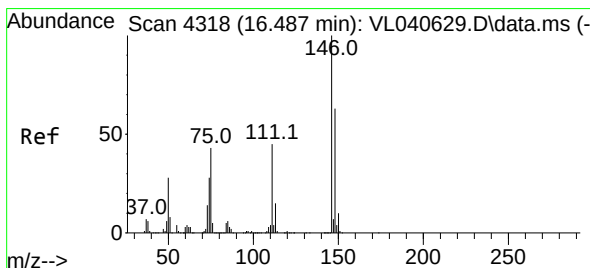
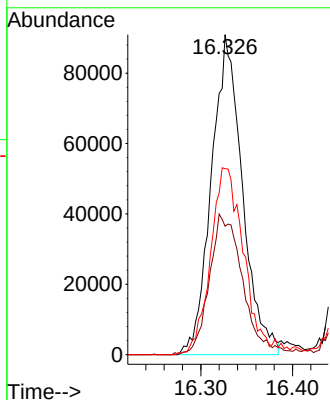
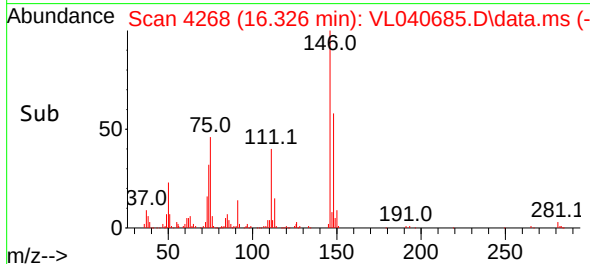
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



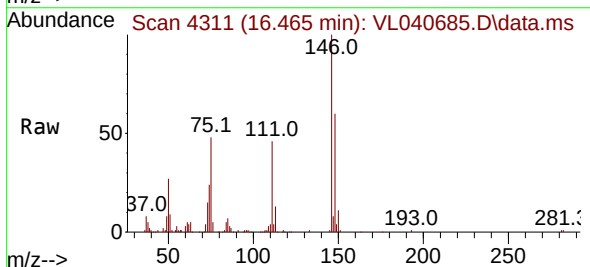
Tgt Ion:146 Resp: 213170
Ion Ratio Lower Upper
146 100
111 47.4 23.9 71.7
148 64.0 31.8 95.4

Manual Integrations
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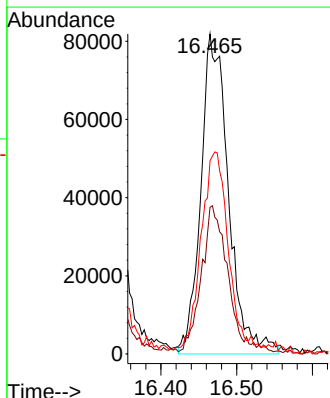
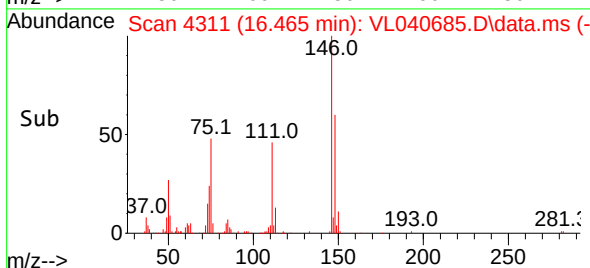
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023

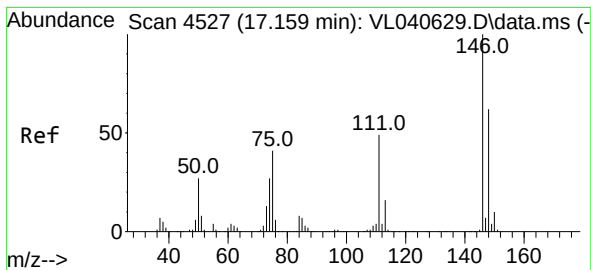


#76
1,4-Dichlorobenzene
Concen: 1.061 ppbv m
RT: 16.465 min Scan# 4311
Delta R.T. -0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06



Tgt Ion:146 Resp: 207136
Ion Ratio Lower Upper
146 100
111 46.3 23.8 71.2
148 66.1 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 1.121 ppbv m

RT: 17.146 min Scan# 4523

Delta R.T. 0.007 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

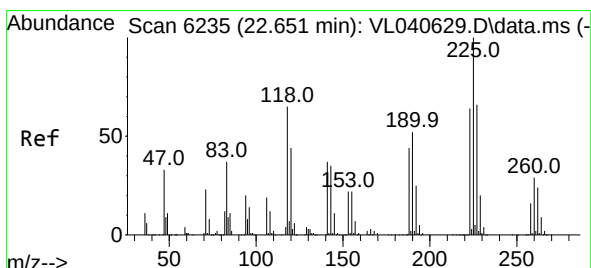
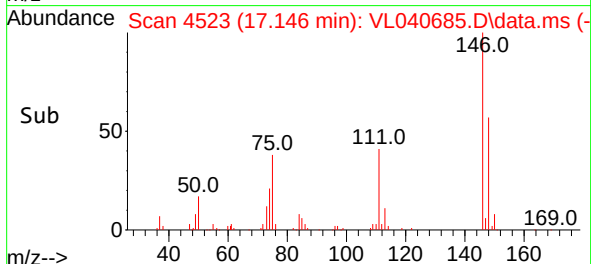
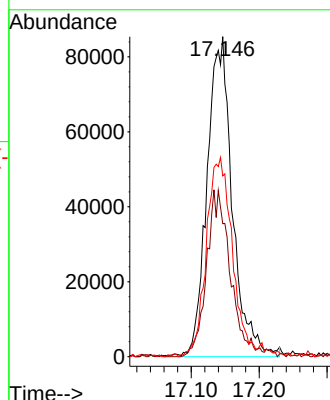
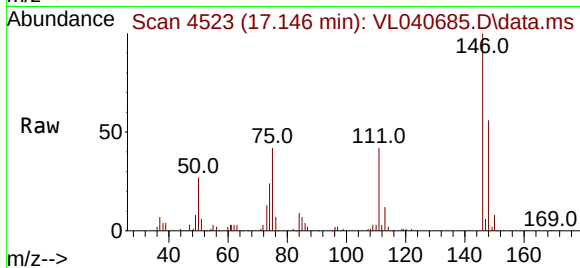
VSTDICC001

Tgt Ion:	146	Resp:	220250
Ion Ratio	Lower	Upper	
146	100		
111	49.9	25.0	75.0
148	0.0	32.4	97.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#78

Hexachloro-1,3-Butadiene

Concen: 1.128 ppbv m

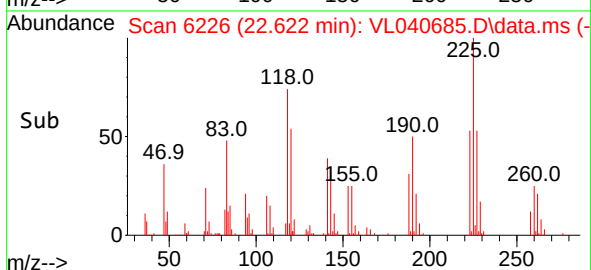
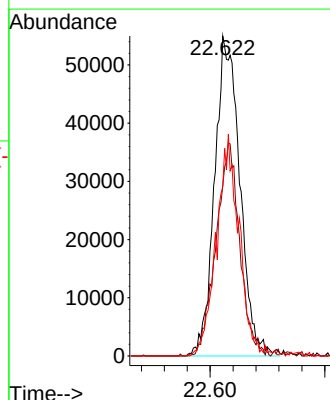
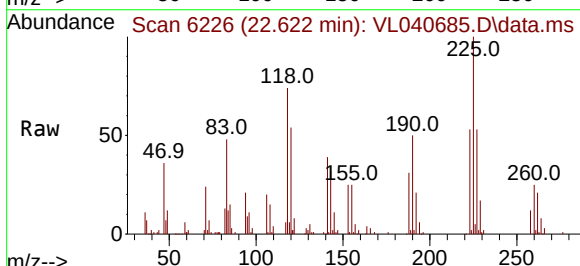
RT: 22.622 min Scan# 6226

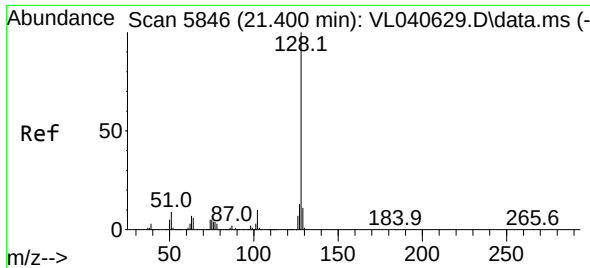
Delta R.T. -0.006 min

Lab File: VL040685.D

Acq: 14 Sep 2023 15:06

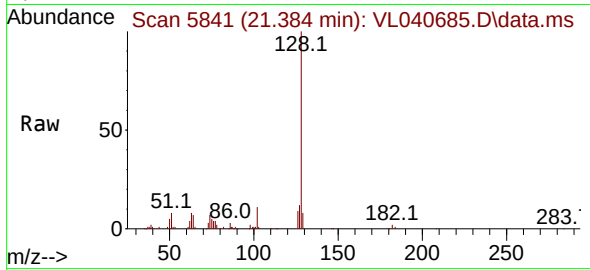
Tgt Ion:	225	Resp:	168137
Ion Ratio	Lower	Upper	
225	100		
223	63.7	51.2	76.8
227	62.1	50.7	76.1





#79
Naphthalene
Concen: 0.979 ppbv m
RT: 21.384 min Scan# 5846
Delta R.T. 0.006 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

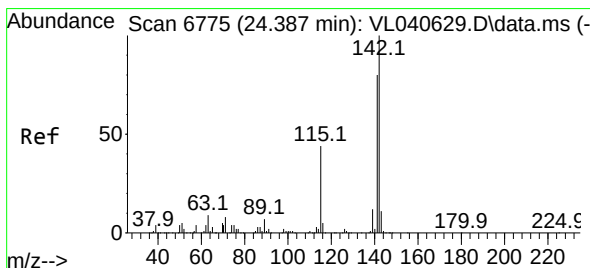
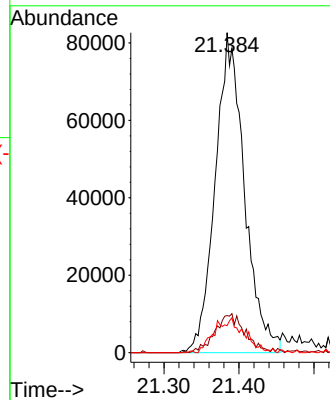
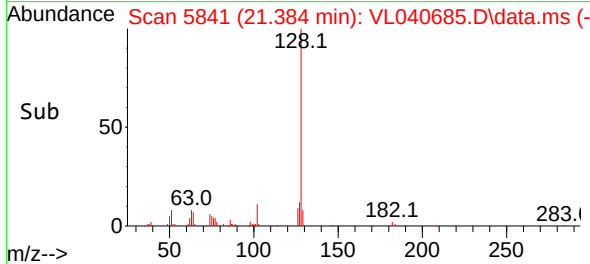
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001



Tgt Ion:128 Resp: 223430
Ion Ratio Lower Upper
128 100
127 11.6 9.8 14.6
129 8.4 8.4 12.6

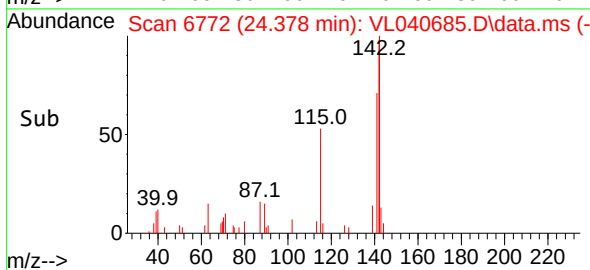
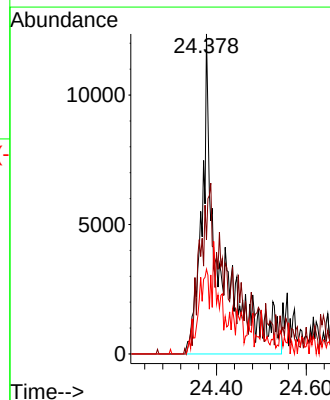
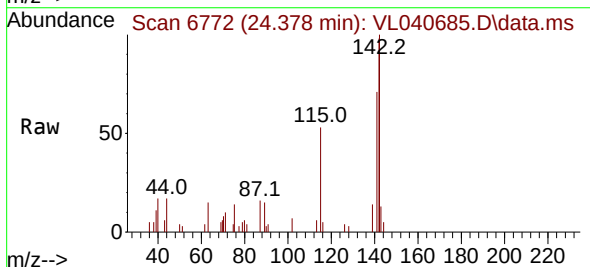
Manual Integrations
APPROVED

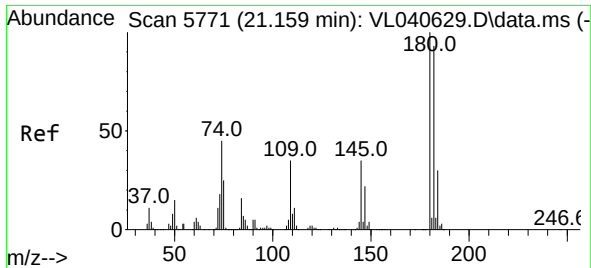
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#80
Naphthalene,2-methyl-
Concen: 0.503 ppbv m
RT: 24.378 min Scan# 6772
Delta R.T. 0.003 min
Lab File: VL040685.D
Acq: 14 Sep 2023 15:06

Tgt Ion:142 Resp: 33026
Ion Ratio Lower Upper
142 100
141 57.0 67.0 100.6#
115 29.8 37.4 56.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.972 ppbv m

RT: 21.143 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040685.D

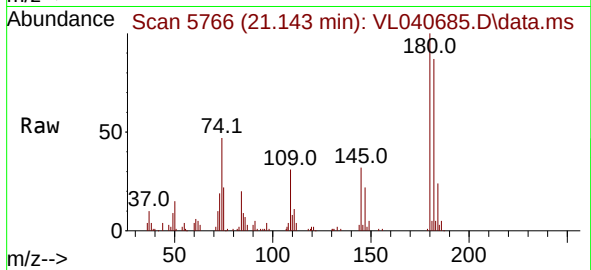
Acq: 14 Sep 2023 15:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 145974

Ion Ratio Lower Upper

180 100

182 0.0 77.9 116.9

184 26.9 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023

Supervised By :Mahesh Dadoda 09/15/2023

